FCC PART 15, SUBPART B

TEST REPORT

For

DrayTek Corp.

No. 26, Fu shing Rd., Hukou, Hsinchu Industrial Park, Hsinchu, 303, Taiwan

Model: VigorXXXXBLgFVac
(XXXX=2862, 2926, 2860, 2925, 2832)
(Please refer to model difference list)

Report Type Original Report	Product Type: VDSL2 & ADSL2 + Dual-WAN Security Router

Test Engineer : **Alisa Chen** Alisa. Chen.

Report Number : **RTWA170214001-00B**

Report Date : **2017-05-03**

Reviewed By: **Jerry Chang** Jerry. Chang

Prepared By: **Bay Area Compliance Laboratories Corp.(Taiwan)**
70, Lane 169, Sec. 2, Datong Road, Xizhi Dist.,
New Taipei City 22183, Taiwan, R.O.C.
Tel: +886 (2)2647 6898
Fax: +886 (2) 2647 6895
www.bacl.com.tw

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Taiwan)

Revision History

Revision	Issue Date	Description
1.0	2017.05.03	Original Report

TABLE OF CONTENTS

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

Applicant:	DrayTek Corp. No. 26, Fu shing Rd., Hukou, Hsinchu Industrial Park, Hsinchu, 303, Taiwan
Manufacturer:	DrayTek Corp. No. 26, Fu shing Rd., Hukou, Hsinchu Industrial Park, Hsinchu, 303, Taiwan
Product:	VDSL2 & ADSL2 + Dual-WAN Security Router
Model:	VigorXXXXBLgFVac (XXXX=2862, 2926, 2860, 2925, 2832) *(Please refer to model difference list)*
Trade Name:	DrayTek
Operating Frequency:	5.8GHz
Voltage Range:	I/P: 100~240Vac, 50-60Hz O/P: 12Vdc
Date of Test:	Feb 17, 2017~ Mar 16, 2017

**All measurement and test data in this report was gathered from production sample serial number: 17021401 (Assigned by BACL, Taiwan). The EUT supplied by the applicant was received on 2017-02-14.*

Designation Number: TW3180

Adaptor 1 Information:

Model: WA-36A12FU

I/P: 100-240Vac, 50-60Hz, 0.9A Max

O/P: 12Vdc, 3A

Adaptor 2 Information:

Model: 2ABN036F US

I/P: 100-240Vac, 50-60Hz, 1.0A

O/P: 12Vdc, 3A

Adaptor 3 Information:

Model: 2ABB018F US

I/P: 100-240Vac, 50-60Hz, 0.6A

O/P: 12Vdc, 1.5A

Adaptor 4 Information:

Model: 2ABL030F US

I/P: 100-240Vac, 50-60Hz, 1.0A

O/P: 12Vdc, 2.5A

1.2 Objective

This test report is prepared on behalf of *DrayTek Corp.* in accordance with Part 2, Subpart J, Part 15, Subparts A and B of the Federal Communication Commission's rules.

The tests were performed in order to determine the compliance of the EUT with FCC Part 15 B.

1.3 Related Submittal(s)/Grant(s)

No related submittal(s).

1.4 Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Taiwan) to collect test data is located on 70, Lane 169, Sec. 2, Datong Road, Xizhi Dist., New Taipei City 22183, Taiwan, R.O.C.

Bay Area Compliance Laboratories Corp. (Taiwan) Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 3180) and the FCC designation No. TW3180 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.10.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 974454. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

2. SYSTEM TEST CONFIGURATION

2.1 Description of Test Configuration

The system was configured for testing in testing mode which was provided by manufacturer.

2.2 Test Mode

Pretest	Description
Mode 1	Full System Ethernet1G-1G+WAN1 1G+2G(Vigor2862BLgVac,Adapter 2ABB018F US)
Mode 2	Full System Ethernet100M-100M+WAN1 1G+2G(Vigor2862BLgVac,Adapter 2ABB018F US)
Mode 3	Full System Ethernet10M-10M+WAN1 1G+2G(Vigor2862BLgVac,Adapter 2ABB018F US)
Mode 4	Full System Ethernet1G-1G+WAN2 1G+2G(Vigor2862BLgVac,Adapter 2ABB018F US)
Mode 5	Full System Ethernet1G-1G+WAN1 100M+2G Vigor2862BLgVac, (Adapter 2ABB018F US)
Mode 6	Full System Ethernet1G-1G+WAN1 10M+2G (Vigor2862BLgVac,Adapter 2ABB018F US)
Mode 7	Full System Ethernet1G-1G+WAN1 1G+3G(Vigor2862BLgVac,Adapter 2ABB018F US)
Mode 8	Full System Ethernet1G-1G+WAN1 1G+4G(Vigor2862BLgVac,Adapter 2ABB018F US)
Mode 9	Full System Ethernet1G-1G+WAN1 1G+4G(Vigor2862BLgFVac,Adapter 2ABB018F US)
Mode 10	Full System Ethernet1G-1G+WAN1 1G+4G(Vigor2862BLgVac,Adapter 2ABL030F US)
Mode 11	Full System Ethernet1G-1G+WAN1 1G+4G(Vigor2862BLgVac,Adapter 2ABN036F US)
Mode 12	Full System Ethernet1G-1G+WAN1 1G+4G(Vigor2862BLgVac,Adapter WA-36A12FU)

Conducted / Radiated Test	
Final	**Description**
Mode 11	Full System Ethernet1G-1G+WAN1 1G+4G(Vigor2862BLgVac,Adapter 2ABN036F US)
Mode 12	Full System Ethernet1G-1G+WAN1 1G+4G(Vigor2862BLgVac,Adapter WA-36A12FU)

2.3 EUT Exercise Software

No software was used.

2.4 Special Accessories

No special accessory.

2.5 Equipment Modifications

No modification was made to the EUT.

2.6 Description of operation:

1. Turn on EUT and power equipment
2. Use ”ping.exe for EUT to transmit and receive
3. Use CMW500 for EUT to transmit and receive
4. Repeat steps 2-3

2.7 Support Equipment List and Details

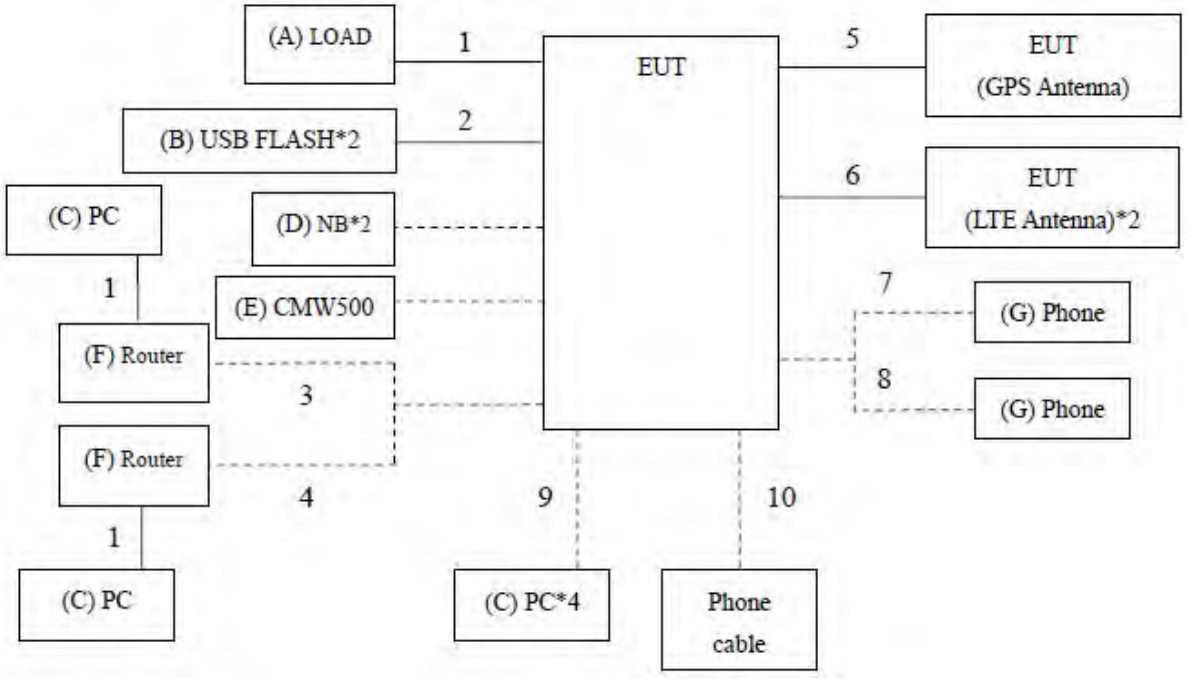
No.	Description	Manufacturer	Model Number	BSMI	FCC ID	S/N
A	LOAD	N/A	N/A	N/A	N/A	N/A
B	USB Flash	Kingston	SE9 G2 USB3.0	N/A	N/A	N/A
C	PC	DELL	OptiPlex 790	R33002	DOC	66QTHS1
C	PC	DELL	OptiPlex 790 SFF	R33002	DOC	H9WPSR1
C	PC	DELL	OptiPlex 790 SFF	R33002	DOC	J4N8XQ1
C	PC	DELL	OptiPlex 790 SFF	R33002	DOC	4LMHKS1
C	PC	DELL	OptiPlex 7040 MT	R33002	DOC	611WJA01
C	PC	DELL	OptiPlex 5040	R33002	DOC	H1JXLD2
D	NB	ASUS	A535	R31018	N/A	B9N0AS4027 2137H
D	NB	ASUS	X550J	R31018	DOC	F9N0CV2281 0937G
E	Wideband Radio Communcation Tester	Rohde & Schwarz	CMW500	N/A	N/A	137325
F	Router	DrayTek	Vigor 2750Vn	N/A	N/A	N/A
G	Phone	TECO	NXYFXC601	N/A	N/A	N/A
G	Phone	RSITO	AS-10301	N/A	N/A	N/A

2.8 External Cable List and Details

No.	Description	Shielded Type	Ferrite Core	Length
1	RJ-45 Cable*2	Non-Shielded	N/A	1M
2	USB Cable*2	Shielded	N/A	1.8M
3	RJ-45 Cable	Non-Shielded	N/A	10M
4	RJ-45 Cable	Non-Shielded	N/A	10M
5	Data Cable	Non-Shielded	N/A	3M
6	Data Cable*2	Non-Shielded	N/A	1M
7	RJ-11 Cable	Non-Shielded	N/A	1.5M
8	RJ-11 Cable	Non-Shielded	N/A	1.5M
9	RJ-45 Cable*4	Non-Shielded	N/A	10M
10	RJ-11 Cable	Non-Shielded	N/A	10M

2.9 Block Diagram of Test Setup

MODE 11 & 12



3. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Results
§15.107	AC Line Conducted Emission	Compliance
§15.109	Radiated Emission	Compliance

4. FCC §15.107 – AC LINE CONDUCTED EMISSIONS

4.1 Applicable Standard

According to FCC §15.107

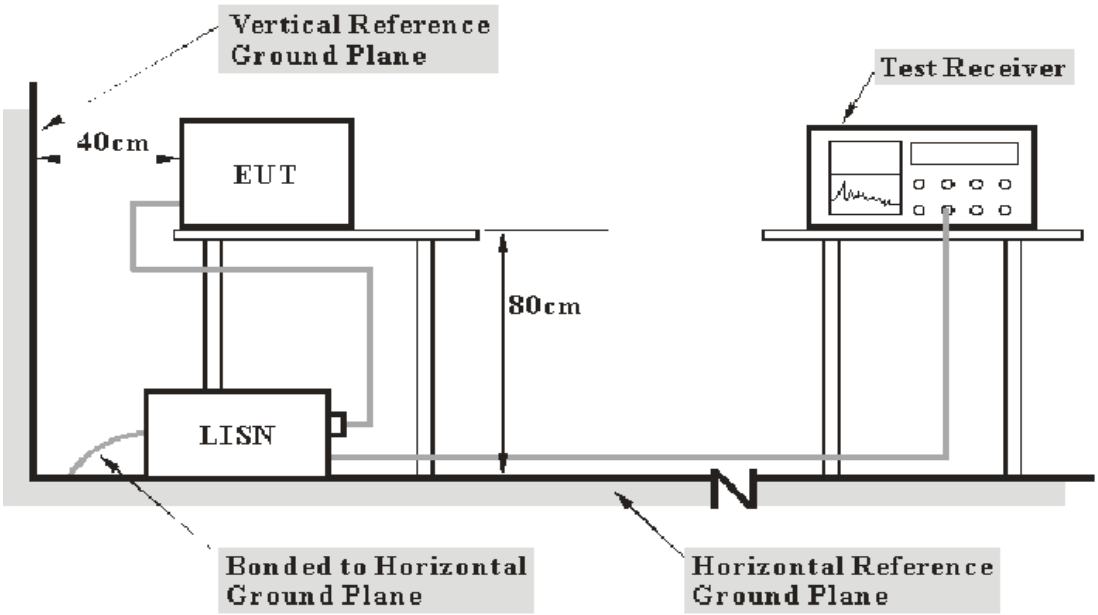
4.2 Measurement Uncertainty

Input quantities to be considered for conducted disturbance measurements maybe receiver reading, attenuation of the connection between LISN/ISN and receiver, LISN/ISN voltage division factor, LISN/ISN VDF frequency interpolation and receiver related input quantities, etc.

Based on CISPR 16-4-2:2011, the expended combined standard uncertainty of conducted disturbance test at Bay Area Compliance Laboratories Corp. (Taiwan) is shown as below. And the uncertainty will not be taken into consideration for the test data recorded in the report.

Port	Expanded Measurement uncertainty
AC Mains	4,64 dB (k=2, 95% level of confidence)
CAT 3	4.20 dB (k=2, 95% level of confidence)
CAT 5	4.59 dB (k=2, 95% level of confidence)
CAT 6	5.02 dB (k=2, 95% level of confidence)

4.3 EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The measurement procedure of EUT setup is according with per ANSI C63.4-2014. The related limit was specified in FCC Part 15.107 Class B.

The spacing between the peripherals is 10 cm.

4.4 EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

4.5 Test Procedure

During the conducted emission test, the power cord was connected to the first LISN and the other relevant equipments were conncected to the second LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

4.6 Test Equipment List and Details

Description	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due Date
LISN	Rohde & Schwarz	ENV216	101248	2016/7/27	2017/7/26
LISN	EMCO	3816/2	75848	2016/8/4	2017/8/3
EMI Test Receiver	Rohde & Schwarz	ESCI	100540	2016/7/22	2017/7/21
Pulse Limiter	Rohde & Schwarz	ESH3Z2	TXZEM025	2016/8/19	2017/8/18
RF Cable	EMEC	EM-CB5D	001	2016/7/27	2017/7/26
Software	AUDIX	E3	V9.150826k	N.C.R	N.C.R

*** Statement of Traceability:** BACL Corp. attests that all calibrations have been performed according to TAF requirements, traceable to the ETC.

4.7 Factor & Over Limit Calculation

The factor is calculated by adding LISN/ISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation. The basic equation is as follows:

Factor = LISN VDF + Cable Loss + Transient Limiter Attenuation

The "**Over Limit**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, an over limit of -7 dB means the emission is 7 dB below the limit. The equation for Over Limit calculation is as follows:

Over Limit = Level – Limit Line

4.8 Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.107. Refer to CISPR16-4-2:2011 and CISPR 16-4-1:2009, the measured level is in complies with the limit if $L_m + U_{(Lm)} \leq L_{lim} + U_{cispr}$

In BACL, $U_{(Lm)}$ is less than U_{cispr}, if L_m is less than L_{lim}, it implies that the EUT complies with the limit.

4.9 Test Data

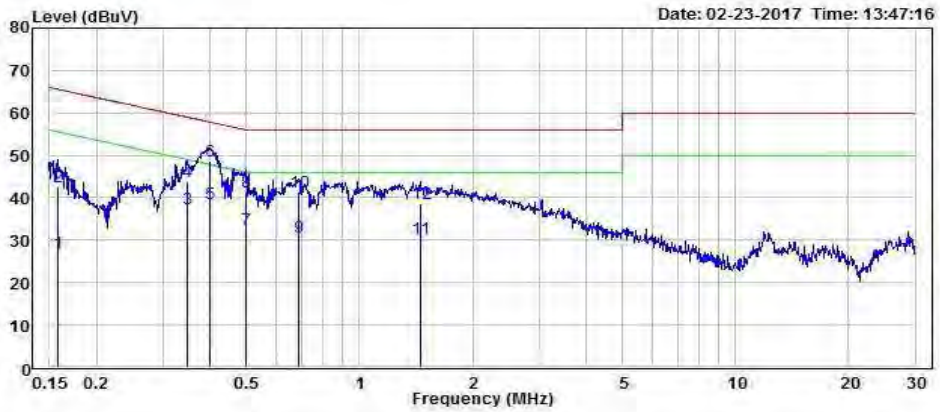
Environmental Conditions

Temperature:	21.2℃
Relative Humidity:	69 %
ATM Pressure:	1005 hPa

The testing was performed by Kevin Kao on 2017-02-23.

Mode 11:

AC 120V/60 Hz, Line



Condition: limit\FCC\FCC Part15B CLASS-B QP.csv Line
EUT :
Mode :
Note : 120V/60Hz,

	Freq	Level	Limit Line	Over Limit	Factor	Read Level	Remark	Pol/Phase
	MHz	dBuV	dBuV	dB	dB	dBuV		
1	0.157	27.15	55.60	-28.45	19.56	7.59	Average	Line
2	0.157	42.59	65.60	-23.01	19.56	23.03	QP	Line
3	0.350	37.43	48.97	-11.54	19.55	17.88	Average	Line
4	0.350	43.86	58.97	-15.11	19.55	24.31	QP	Line
5	0.401	38.58	47.84	-9.26	19.54	19.04	Average	Line
6	0.401	48.78	57.84	-9.06	19.54	29.24	QP	Line
7	0.499	32.54	46.02	-13.48	19.55	12.99	Average	Line
8	0.499	41.38	56.02	-14.64	19.55	21.83	QP	Line
9	0.689	30.68	46.00	-15.32	19.56	11.12	Average	Line
10	0.689	41.46	56.00	-14.54	19.56	21.90	QP	Line
11	1.449	30.38	46.00	-15.62	19.64	10.74	Average	Line
12	1.449	38.54	56.00	-17.46	19.64	18.90	QP	Line

- 1 -

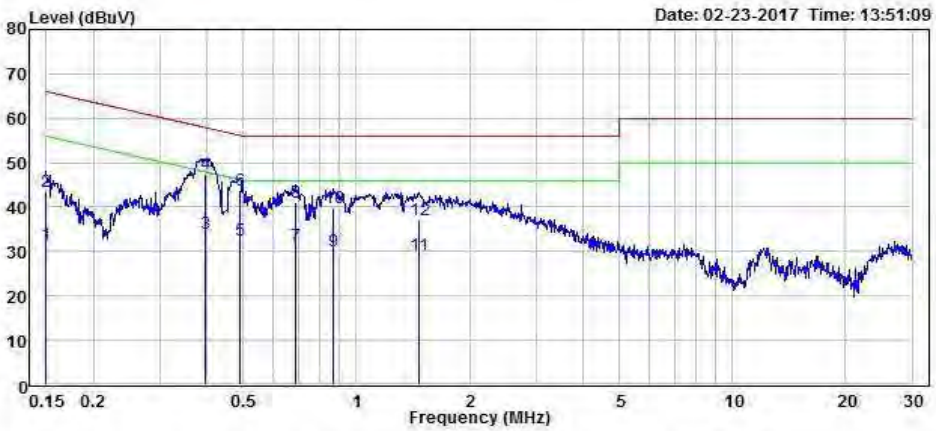
Note:

Level = Read Level + Factor

Over Limit = Level – Limit Line

Factor = (LISN, ISN, PLC or current probe) Factor + Cable Loss + Attenuator

AC 120V/60 Hz, Neutral



Condition: limit\FCC\FCC Part15B CLASS-B QP.csv Neutral
EUT :
Mode :
Note : 120V/60Hz,

	Freq	Level	Limit Line	Over Limit	Factor	Read Level	Remark	Pol/Phase
	MHz	dBuV	dBuV	dB	dB	dBuV		
1	0.150	31.51	56.00	-24.49	19.56	11.95	Average	Neutral
2	0.150	43.57	66.00	-22.43	19.56	24.01	QP	Neutral
3	0.397	34.22	47.91	-13.69	19.54	14.68	Average	Neutral
4	0.397	47.54	57.91	-10.37	19.54	28.00	QP	Neutral
5	0.491	32.54	46.15	-13.61	19.55	12.99	Average	Neutral
6	0.491	43.68	56.15	-12.47	19.55	24.13	QP	Neutral
7	0.687	31.18	46.00	-14.82	19.56	11.62	Average	Neutral
8	0.687	41.05	56.00	-14.95	19.56	21.49	QP	Neutral
9	0.869	30.14	46.00	-15.86	19.58	10.56	Average	Neutral
10	0.869	39.86	56.00	-16.14	19.58	20.28	QP	Neutral
11	1.466	29.21	46.00	-16.79	19.63	9.58	Average	Neutral
12	1.466	37.05	56.00	-18.95	19.63	17.42	QP	Neutral

- 1 -

Note:

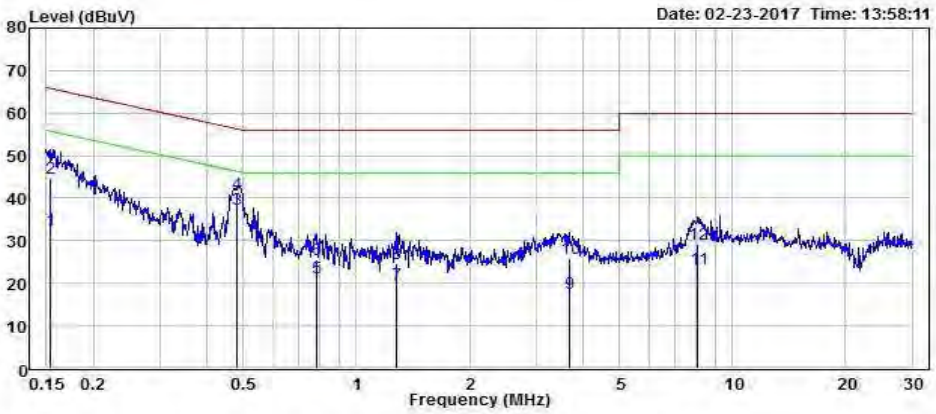
Level = Read Level + Factor

Over Limit = Level – Limit Line

Factor = (LISN, ISN, PLC or current probe) Factor + Cable Loss + Attenuator

Mode 12:

AC 120V/60 Hz, Line



Condition: limit\FCC\FCC Part15B CLASS-B QP.csv Line
EUT :
Mode :
Note : 120V/60Hz,

	Freq	Level	Limit Line	Over Limit	Factor	Read Level	Remark	Pol/Phase
	MHz	dBuV	dBuV	dB	dB	dBuV		
1	0.154	32.60	55.80	-23.20	19.56	13.04	Average	Line
2	0.154	44.86	65.80	-20.94	19.56	25.30	QP	Line
3	0.483	37.31	46.28	-8.97	19.55	17.76	Average	Line
4	0.483	41.20	56.28	-15.08	19.55	21.65	QP	Line
5	0.783	21.17	46.00	-24.83	19.58	1.59	Average	Line
6	0.783	25.43	56.00	-30.57	19.58	5.85	QP	Line
7	1.275	19.75	46.00	-26.25	19.61	0.14	Average	Line
8	1.275	24.49	56.00	-31.51	19.61	4.88	QP	Line
9	3.688	17.67	46.00	-28.33	19.63	-1.96	Average	Line
10	3.688	25.76	56.00	-30.24	19.63	6.13	QP	Line
11	8.098	23.51	50.00	-26.49	19.77	3.74	Average	Line
12	8.098	29.19	60.00	-30.81	19.77	9.42	QP	Line

- 1 -

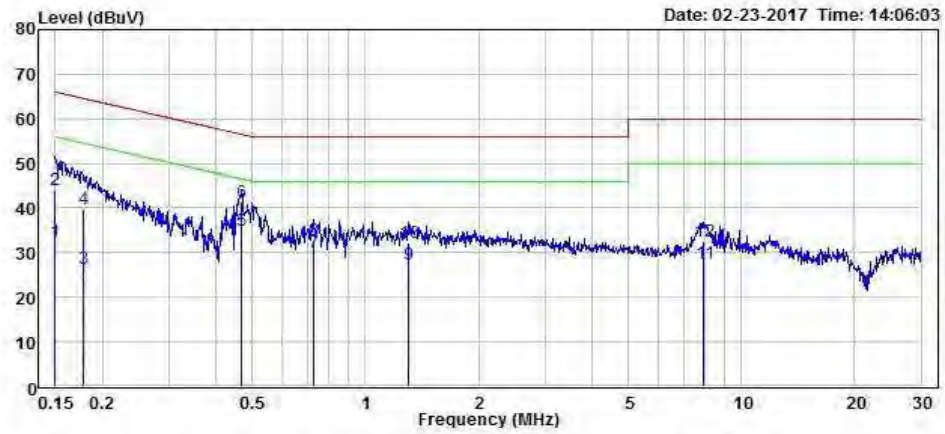
Note:

Level = Read Level + Factor

Over Limit = Level – Limit Line

Factor = (LISN, ISN, PLC or current probe) Factor + Cable Loss + Attenuator

AC 120V/60 Hz, Neutral



Condition: limit\FCC\FCC Part15B CLASS-B QP.csv Neutral
EUT :
Mode :
Note : 120V/60Hz,

	Freq	Level	Limit Line	Over Limit	Factor	Read Level	Remark	Pol/Phase
	MHz	dBuV	dBuV	dB	dB	dBuV		
1	0.150	32.52	56.00	-23.48	19.56	12.96	Average	Neutral
2	0.150	44.08	66.00	-21.92	19.56	24.52	QP	Neutral
3	0.177	26.40	54.61	-28.21	19.54	6.86	Average	Neutral
4	0.177	39.90	64.61	-24.71	19.54	20.36	QP	Neutral
5	0.468	35.09	46.55	-11.46	19.55	15.54	Average	Neutral
6	0.468	41.29	56.55	-15.26	19.55	21.74	QP	Neutral
7	0.726	29.97	46.00	-16.03	19.57	10.40	Average	Neutral
8	0.726	32.71	56.00	-23.29	19.57	13.14	QP	Neutral
9	1.306	27.35	46.00	-18.65	19.60	7.75	Average	Neutral
10	1.306	32.38	56.00	-23.62	19.60	12.78	QP	Neutral
11	7.938	27.60	50.00	-22.40	19.81	7.79	Average	Neutral
12	7.938	32.66	60.00	-27.34	19.81	12.85	QP	Neutral

- 1 -

Note:

Level = Read Level + Factor

Over Limit = Level – Limit Line

Factor = (LISN, ISN, PLC or current probe) Factor + Cable Loss + Attenuator

5. FCC §15.109 – RADIATED EMISSION

5.1 Applicable Standard

FCC §15.109

5.2 Measurement Uncertainty

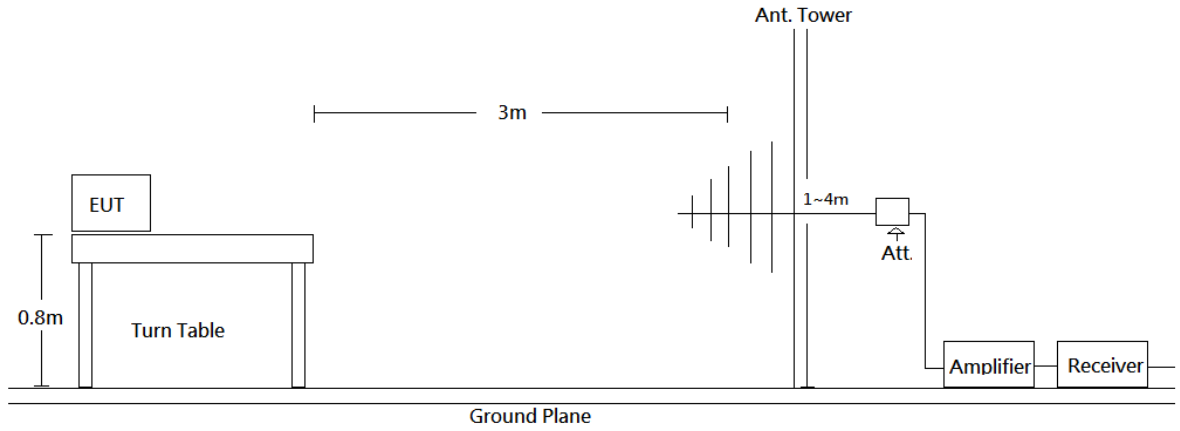
All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

Based on CISPR 16-4-2:2011, the expended combined standard uncertainty of radiation emissions at Bay Area Compliance Laboratories Corp. (Taiwan) is shown in below table. And the uncertainty will not be taken into consideration for the test data recorded in the report

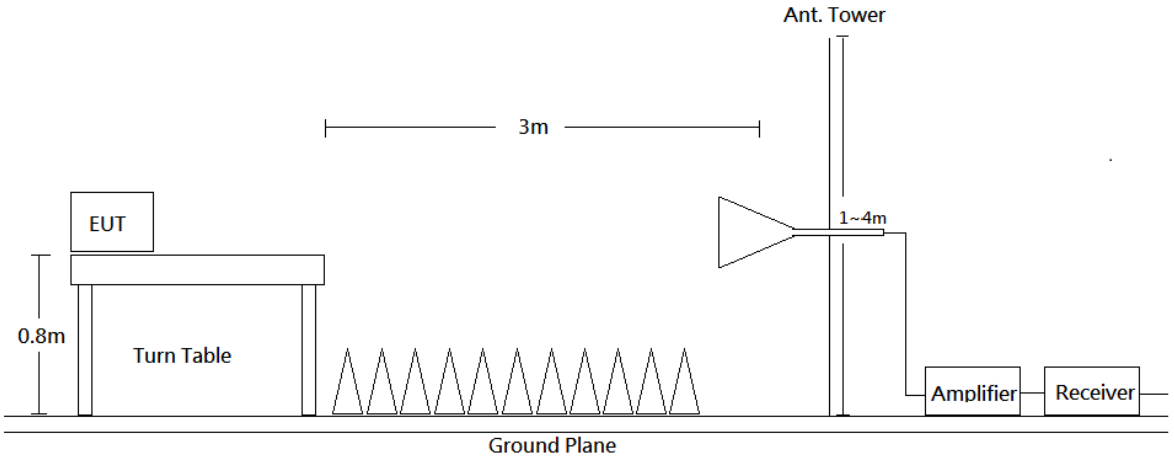
Frequency	Measurement uncertainty
9 kHz~30MHz	3.20 dB (k=2, 95% level of confidence)
30MHz~200MHz	3.76 dB (k=2, 95% level of confidence)
200MHz~1GHz	4.12 dB (k=2, 95% level of confidence)
1 GHz~6 GHz	4.84 dB (k=2, 95% level of confidence)
Above 6 GHz	5.16 dB (k=2, 95% level of confidence)

5.3 EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part 15.109 Class B limits. The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

The power cord was connected to a 120 VAC/60 Hz power source.

5.4 EMI Test Receiver Setup

The system was investigated from 30 MHz to 40 GHz.

During the radiated emission test, the EMI test receiver was set with the following configurations

Frequency Range	RBW	RBW Video B/W	IF B/W	Detector
30MHz – 1000 MHz	100 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1MHz	3MHz	/	PK
	1MHz	10 Hz	/	Ave.

5.5 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All data was recorded in the Quasi-peak detector mode from 30 MHz to 1 GHz and PK and average detector modes for frequencies above 1 GHz.

5.6 Test Equipment List and Details

Description	Manufacturer	Model	Serial Number	Calibration Date	Calibration Interval
Broadband Antenna	Sunol Sciences	JB6	A050115	2016/11/16	2017/11/15
Attenuator	Mini-Circuits	UNAT-6+	15542_01	2016/11/16	2017/11/15
Active Loop Antenna	ETS-Lindgren	6502	00035796	2017/3/2	2018/3/1
Amplifier	Sonoma	310N	130602	2016/7/15	2017/7/14
EMI Test Receiver	Rohde & Schwarz	ESR7	101419	2016/11/3	2017/11/2
Mircoflex Cable	UTIFLEX	UFB311A-Q-1440-300300	220490-006	2016/11/2	2017/11/1
Mircoflex Cable	UTIFLEX	UFB197C-1-2362-70U-70U	225757-001	2016/7/15	2017/7/14
Mircoflex Cable	UTIFLEX	UFA210A-1-3149-300300	MFR64639 226389-001	2016/12/1	2017/11/30
Turn Table	Champro	TT-2000	060772-T	N.C.R	N.C.R
Antenna Tower	Champro	AM-BS-4500-B	060772-A	N.C.R	N.C.R
Controller	Champro	EM1000	060772	N.C.R	N.C.R
Software	Farad	EZ_EMC	BACL-03A1	N.C.R	N.C.R
Horn Antenna	EMCO	3115	9311-4158	2016/5/10	2017/5/9
Horn Antenna	ETS-Lindgren	3116	00062638	2016/9/5	2017/9/4
Preamplifier	EMEC	EM01G18G	060657	2016/12/13	2017/12/12
Preamplifier	EMEC	EM18G40G	060656	2016/12/13	2017/12/12
Spectrum Analyzer	Rohde & Schwarz	FSV40	101203	2016/7/14	2017/7/13
Mircoflex Cable	ROSNAL	K1K50-UP0264-K1K50-80CM	160309-2	2017/1/18	2018/1/17
Mircoflex Cable	ROSNAL	K1K50-UP0264-K1K50-450CM	160309-1	2016/3/24	2017/3/23
Turn Table	Champro	TT-2000	060772-T	N.C.R	N.C.R
Antenna Tower	Champro	AM-BS-4500-B	060772-A	N.C.R	N.C.R
Controller	Champro	EM1000	060772	N.C.R	N.C.R
Software	Farad	EZ_EMC	BACL-03A1	N.C.R	N.C.R

*** Statement of Traceability:** BACL Corp. attests that all calibrations have been performed according to TAF requirements, traceable to the ETC.

5.7 Correct Factor & Margin Calculation

The Correct Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain + Attenuator

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7 dB means the emission is 7 dB below the limit. The equation for margin calculation is as follows:

Margin = Limit –Result

5.8 Test Results Summary

According to the data in the following table, the EUT complied with the FCC §15.109 Class B. Refer to CISPR16-4-2:2011 and CISPR 16-4-1:2009, the measured level complies with the limit if

$L_m + U_{(Lm)} \leq L_{lim} + U_{cispr}$

In BACL, $U_{(Lm)}$ is less than U_{cispr}, if L_m is less than L_{lim}, it implies that the EUT complies with the limit.

5.9 Test Data

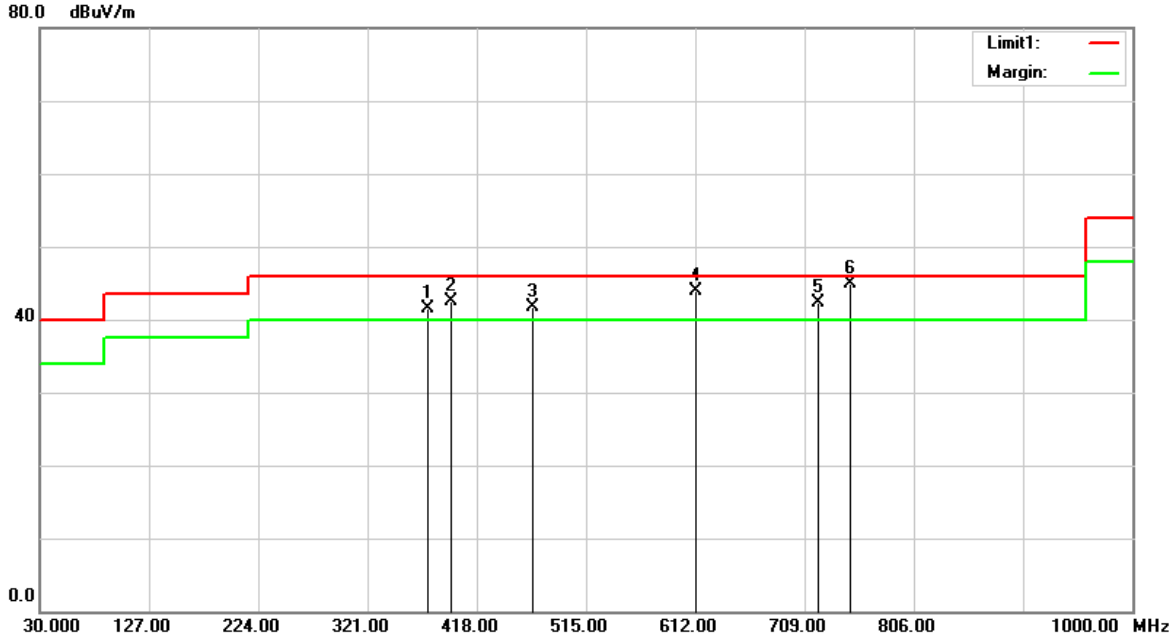
Environmental Conditions

Temperature:	25.5℃
Relative Humidity:	58 %
ATM Pressure:	1005 hPa

The testing was performed by Mike Cai on 2017-03-13.

Mode 11: Below 1 GHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	375.0300	49.72	-8.25	41.47	46.00	-4.53	400	352	QP
2	395.7200	50.33	-7.82	42.51	46.00	-3.49	210	360	QP
3	467.8100	47.93	-6.25	41.68	46.00	-4.32	235	360	QP
4	612.0200	47.63	-3.82	43.81	46.00	-2.19	100	168	QP
5	720.8800	44.61	-2.40	42.21	46.00	-3.79	100	181	QP
6	750.3400	46.66	-1.79	44.87	46.00	-1.13	100	62	QP

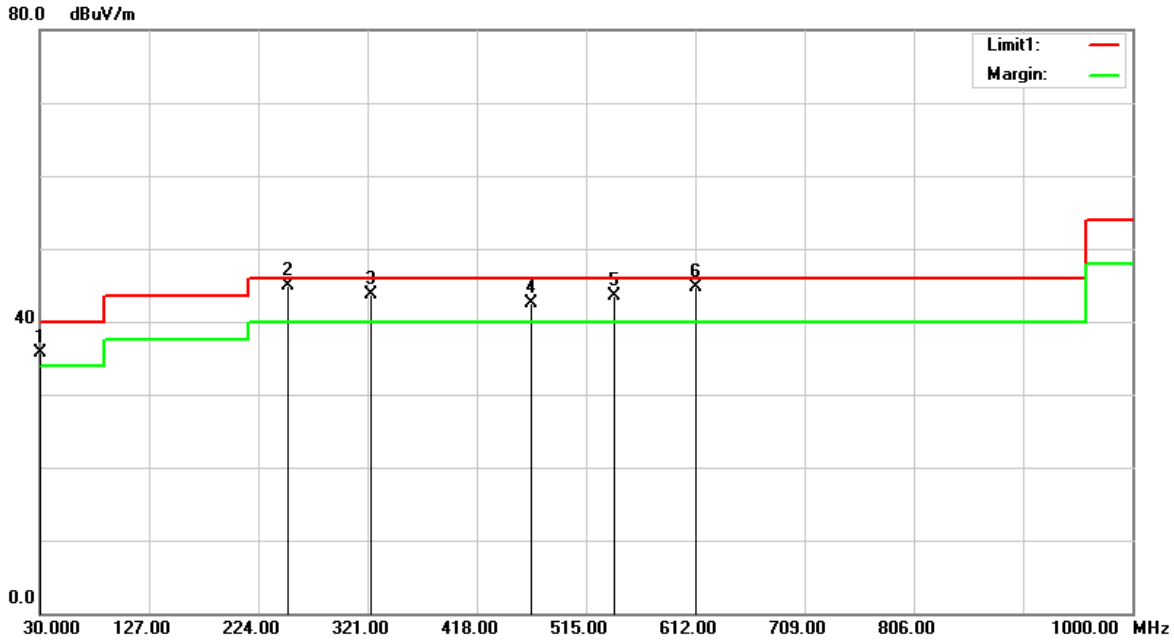
Note:

Result = Reading + Correct Factor

Margin = Limit –Result

Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator

Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	30.7600	39.81	-4.11	35.70	40.00	-4.30	270	0	QP
2	249.9900	56.99	-12.06	44.93	46.00	-1.07	100	152	QP
3	323.8100	53.03	-9.33	43.70	46.00	-2.30	100	48	QP
4	467.0200	48.81	-6.26	42.55	46.00	-3.45	100	35	QP
5	539.8900	48.61	-5.14	43.47	46.00	-2.53	100	23	QP
6	612.1000	48.61	-3.82	44.79	46.00	-1.21	100	90	QP

Note:

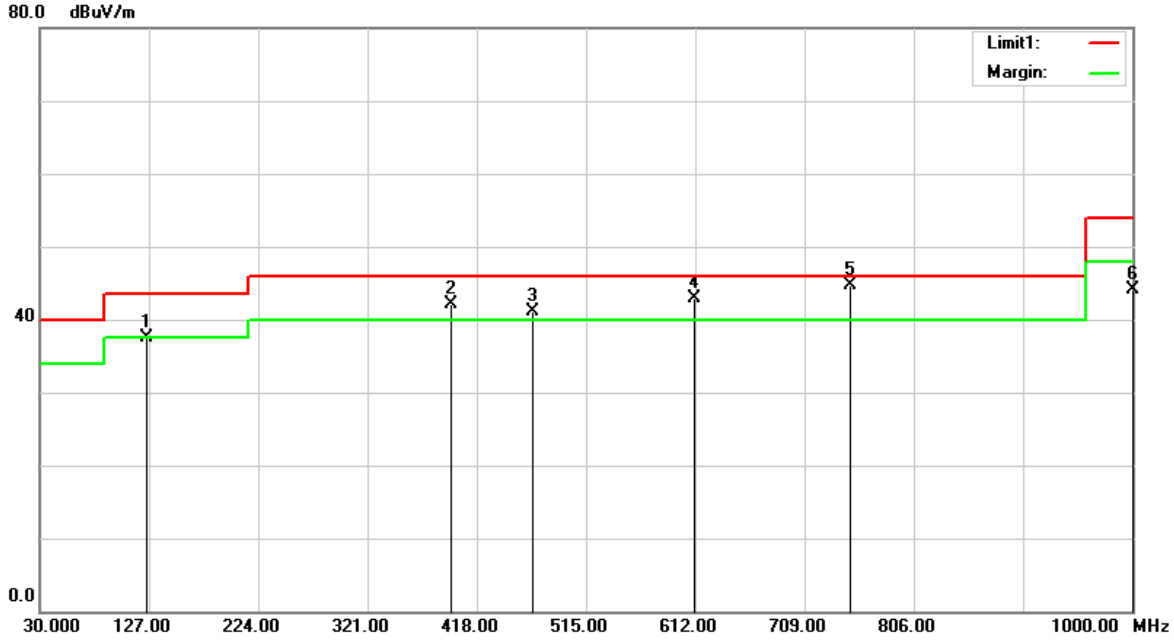
Result = Reading + Correct Factor

Margin = Limit –Result

Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator

Mode 12: Below 1GHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	124.9670	48.21	-10.66	37.55	43.50	-5.95	400	241	QP
2	395.9705	49.82	-7.81	42.01	46.00	-3.99	400	360	QP
3	467.3150	47.36	-6.25	41.11	46.00	-4.89	200	0	QP
4	611.8925	46.71	-3.82	42.89	46.00	-3.11	231	0	QP
5	749.8910	46.43	-1.80	44.63	46.00	-1.37	100	53	QP
6	1000.0000	40.18	3.93	44.11	54.00	-9.89	100	162	QP

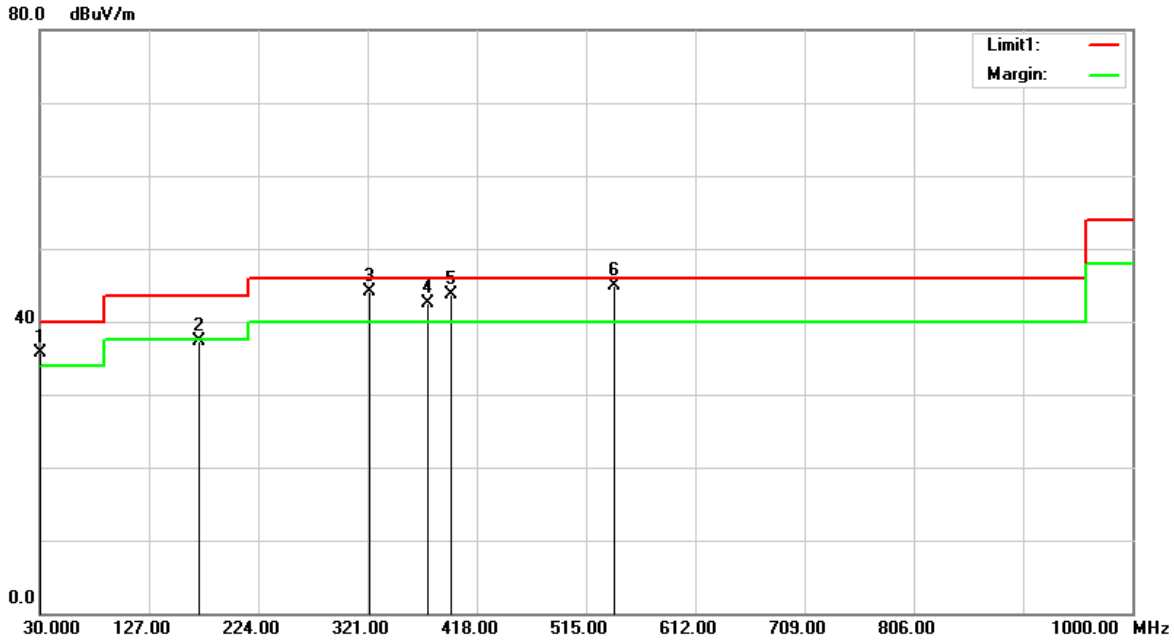
Note:

Result = Reading + Correct Factor

Margin = Limit –Result

Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator

Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	30.9800	39.93	-4.27	35.66	40.00	-4.34	162	360	QP
2	171.9300	49.81	-12.46	37.35	43.50	-6.15	100	135	QP
3	323.5810	53.47	-9.34	44.13	46.00	-1.87	100	16	QP
4	375.0300	50.83	-8.25	42.58	46.00	-3.42	400	117	QP
5	395.7600	51.43	-7.81	43.62	46.00	-2.38	100	251	QP
6	540.8100	50.08	-5.12	44.96	46.00	-1.04	100	23	QP

Note:

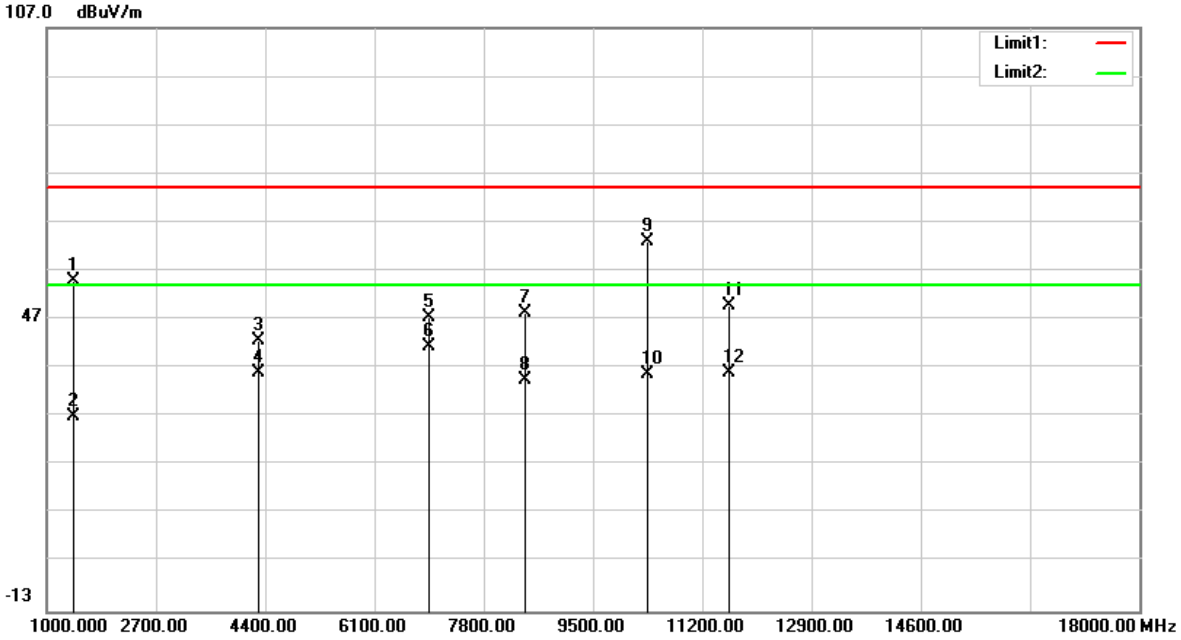
Result = Reading + Correct Factor

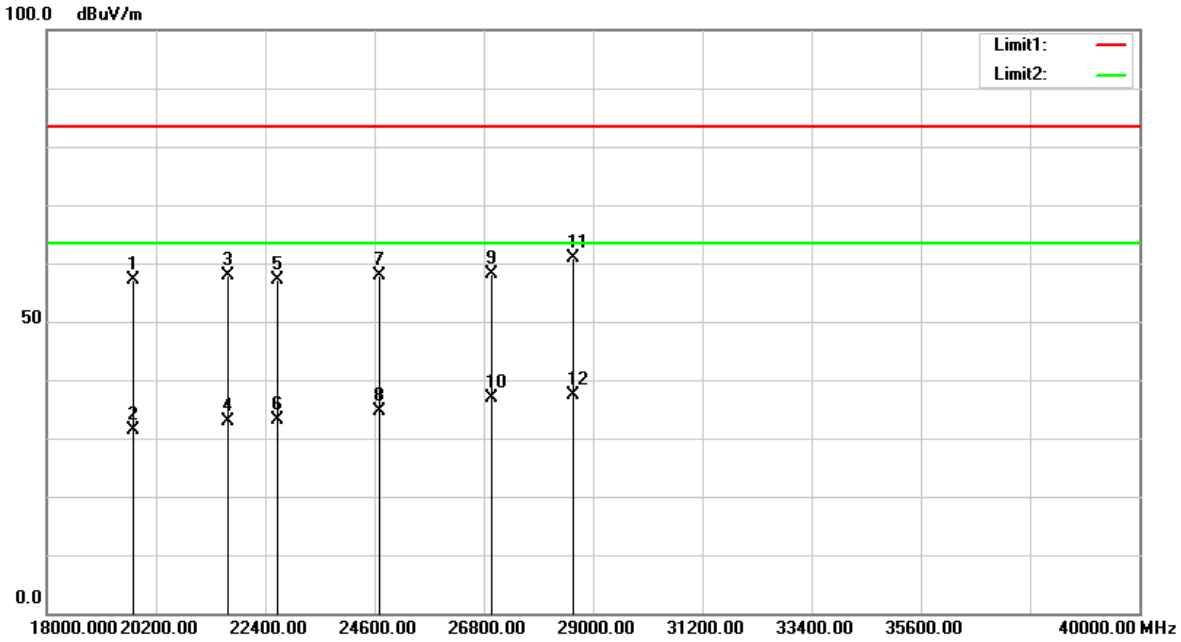
Margin = Limit –Result

Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator

Mode 11: Above 1 GHz

Horizontal





No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	1425.000	63.63	-8.80	54.83	74.00	-19.17	100	327	peak
2	1425.000	35.97	-8.80	27.17	54.00	-26.83	100	327	AVG
3	4298.000	42.66	-0.03	42.63	74.00	-31.37	100	41	peak
4	4298.000	36.22	-0.03	36.19	54.00	-17.81	100	41	AVG
5	6950.000	41.82	5.61	47.43	74.00	-26.57	100	72	peak
6	6950.000	35.91	5.61	41.52	54.00	-12.48	100	72	AVG
7	8446.000	39.01	9.44	48.45	74.00	-25.55	100	310	peak
8	8446.000	24.99	9.44	34.43	54.00	-19.57	100	310	AVG
9	10350.000	50.63	12.39	63.02	74.00	-10.98	100	39	peak
10	10350.000	23.24	12.39	35.63	54.00	-18.37	100	39	AVG
11	11608.000	36.70	13.23	49.93	74.00	-24.07	100	193	peak
12	11608.000	22.76	13.23	35.99	54.00	-18.01	100	193	AVG
13	19738.000	56.28	0.93	57.21	83.50	-26.29	100	241	peak
14	19738.000	30.41	0.93	31.34	63.50	-32.16	100	241	AVG
15	21652.000	56.63	1.34	57.97	83.50	-25.53	200	360	peak
16	21652.000	31.58	1.34	32.92	63.50	-30.58	200	360	AVG
17	22642.000	55.58	1.49	57.07	83.50	-26.43	200	52	peak
18	22642.000	31.69	1.49	33.18	63.50	-30.32	200	52	AVG
19	24688.000	55.22	2.54	57.76	83.50	-25.74	100	142	peak
20	24688.000	32.08	2.54	34.62	63.50	-28.88	100	142	AVG
21	26954.000	53.69	4.33	58.02	83.50	-25.48	300	158	peak
22	26954.000	32.64	4.33	36.97	63.50	-26.53	300	158	AVG
23	28604.000	56.36	4.43	60.79	83.50	-22.71	100	321	peak
24	28604.000	32.88	4.43	37.31	63.50	-26.19	100	321	AVG

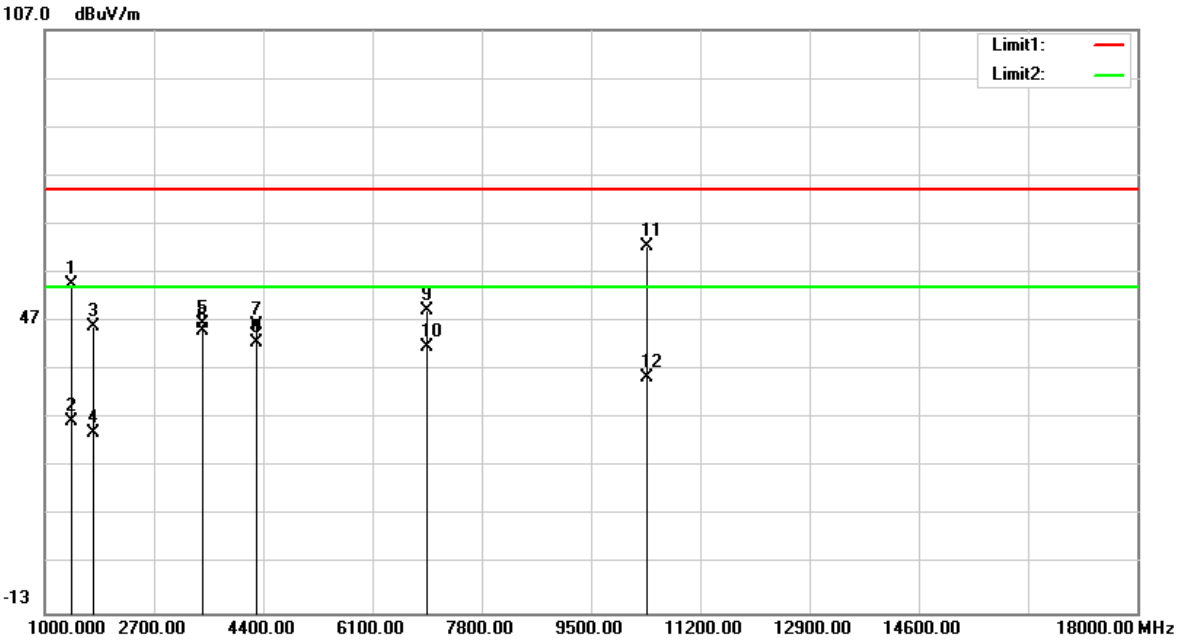
Note:

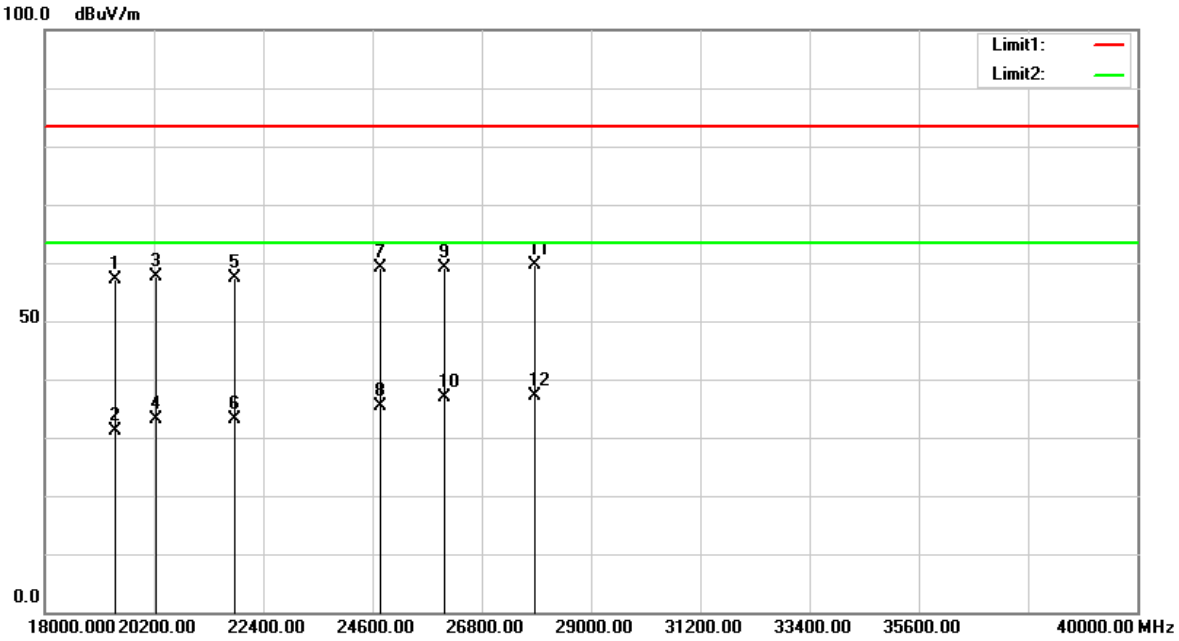
Result = Reading + Correct Factor

Margin = Limit –Result

Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator

Vertical


107.0 dBuV/m
Limit1:
Limit2:
47
-13
1000.000 2700.00 4400.00 6100.00 7800.00 9500.00 11200.00 12900.00 14600.00 18000.00 MHz


100.0 dBuV/m
Limit1:
Limit2:
50
0.0
18000.000 20200.00 22400.00 24600.00 26800.00 29000.00 31200.00 33400.00 35600.00 40000.00 MHz

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	1425.000	63.53	-8.80	54.73	74.00	-19.27	100	17	peak
2	1425.000	35.32	-8.80	26.52	54.00	-27.48	100	17	AVG
3	1748.000	53.09	-7.14	45.95	74.00	-28.05	100	286	peak
4	1748.000	31.21	-7.14	24.07	54.00	-29.93	100	286	AVG
5	3465.000	47.92	-1.41	46.51	74.00	-27.49	100	212	peak
6	3465.000	46.46	-1.41	45.05	54.00	-8.95	100	212	AVG
7	4298.000	46.21	-0.03	46.18	74.00	-27.82	100	237	peak
8	4298.000	42.72	-0.03	42.69	54.00	-11.31	100	237	AVG
9	6950.000	43.78	5.61	49.39	74.00	-24.61	100	329	peak
10	6950.000	36.28	5.61	41.89	54.00	-12.11	100	329	AVG
11	10367.000	50.17	12.41	62.58	74.00	-11.42	100	304	peak
12	10367.000	23.10	12.41	35.51	54.00	-18.49	100	304	AVG
13	19430.000	56.47	0.68	57.15	83.50	-26.35	100	287	peak
14	19430.000	30.52	0.68	31.20	63.50	-32.30	100	287	AVG
15	20244.000	56.58	1.07	57.65	83.50	-25.85	105	0	peak
16	20244.000	32.18	1.07	33.25	63.50	-30.25	105	0	AVG
17	21828.000	56.21	1.27	57.48	83.50	-26.02	288	360	peak
18	21828.000	31.86	1.27	33.13	63.50	-30.37	288	360	AVG
19	24754.000	56.42	2.74	59.16	83.50	-24.34	300	252	peak
20	24754.000	32.54	2.74	35.28	63.50	-28.22	300	252	AVG
21	26052.000	54.78	4.34	59.12	83.50	-24.38	400	5	peak
22	26052.000	32.48	4.34	36.82	63.50	-26.68	400	5	AVG
23	27856.000	55.54	4.13	59.67	83.50	-23.83	400	161	peak
24	27856.000	33.06	4.13	37.19	63.50	-26.31	400	161	AVG

Note:

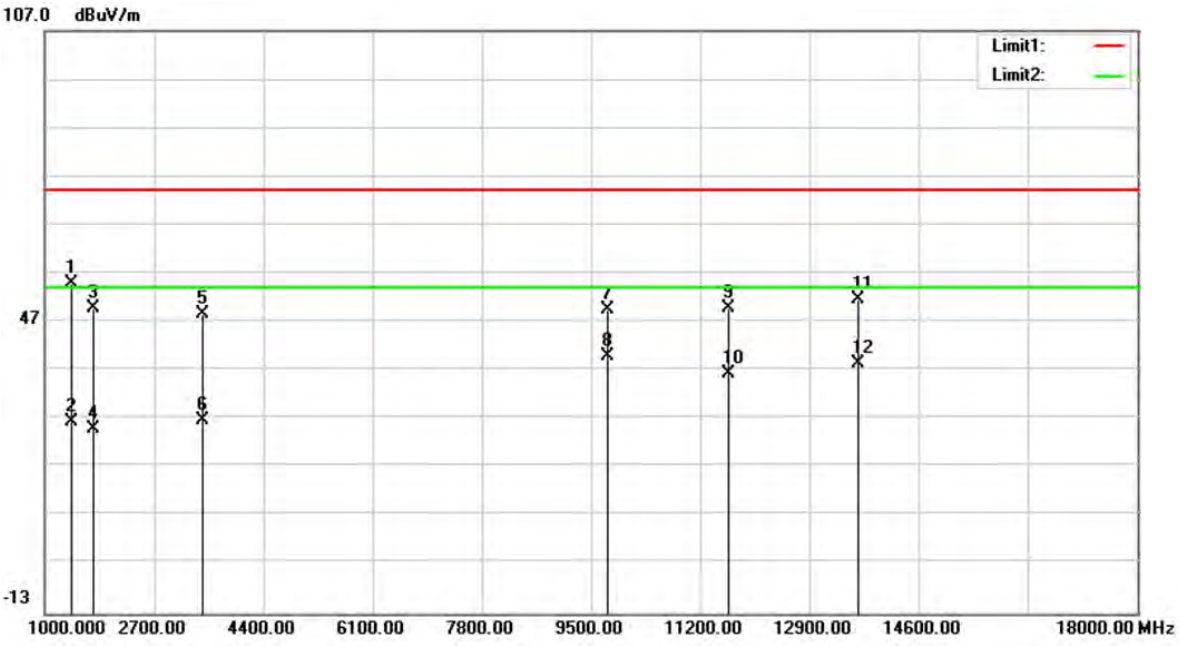
Result = Reading + Correct Factor

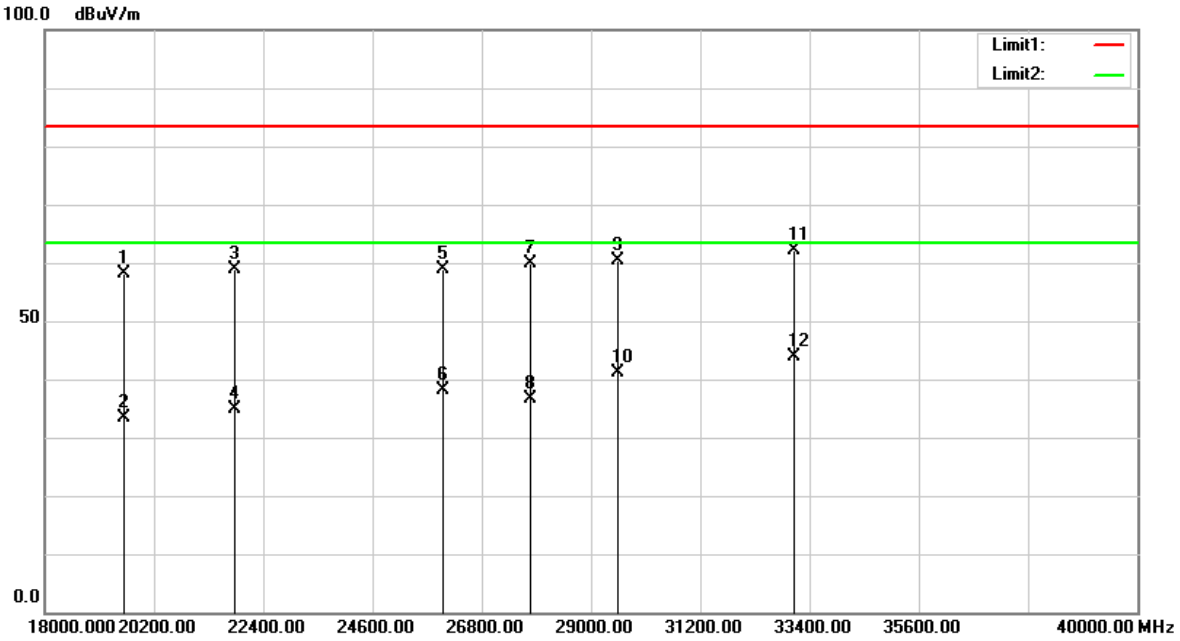
Margin = Limit –Result

Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator

Mode 12: Above 1 GHz

Horizontal





No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	1425.000	63.84	-8.80	55.04	74.00	-18.96	100	325	peak
2	1425.000	35.20	-8.80	26.40	54.00	-27.60	100	325	AVG
3	1748.000	56.90	-7.14	49.76	74.00	-24.24	100	190	peak
4	1748.000	31.96	-7.14	24.82	54.00	-29.18	100	190	AVG
5	3465.000	50.15	-1.41	48.74	74.00	-25.26	100	359	peak
6	3465.000	28.30	-1.41	26.89	54.00	-27.11	100	359	AVG
7	9755.000	37.97	11.57	49.54	74.00	-24.46	100	73	peak
8	9755.000	28.51	11.57	40.08	54.00	-13.92	100	73	AVG
9	11642.000	36.72	13.25	49.97	74.00	-24.03	100	45	peak
10	11642.000	23.19	13.25	36.44	54.00	-17.56	100	45	AVG
11	13665.000	37.47	14.13	51.60	74.00	-22.40	100	34	peak
12	13665.000	24.19	14.13	38.32	54.00	-15.68	100	34	AVG
13	19606.000	57.20	0.87	58.07	83.50	-25.43	100	172	peak
14	19606.000	32.51	0.87	33.38	63.50	-30.12	100	172	AVG
15	21828.000	57.51	1.27	58.78	83.50	-24.72	200	325	peak
16	21828.000	33.56	1.27	34.83	63.50	-28.67	200	325	AVG
17	26030.000	54.42	4.36	58.78	83.50	-24.72	100	360	peak
18	26030.000	33.81	4.36	38.17	63.50	-25.33	100	360	AVG
19	27768.000	55.86	4.04	59.90	83.50	-23.60	100	52	peak
20	27768.000	32.48	4.04	36.52	63.50	-26.98	100	52	AVG
21	29528.000	53.91	6.39	60.30	83.50	-23.20	300	106	peak
22	29528.000	34.84	6.39	41.23	63.50	-22.27	300	106	AVG
23	33092.000	54.15	7.93	62.08	83.50	-21.42	300	188	peak
24	33092.000	35.91	7.93	43.84	63.50	-19.66	300	188	AVG

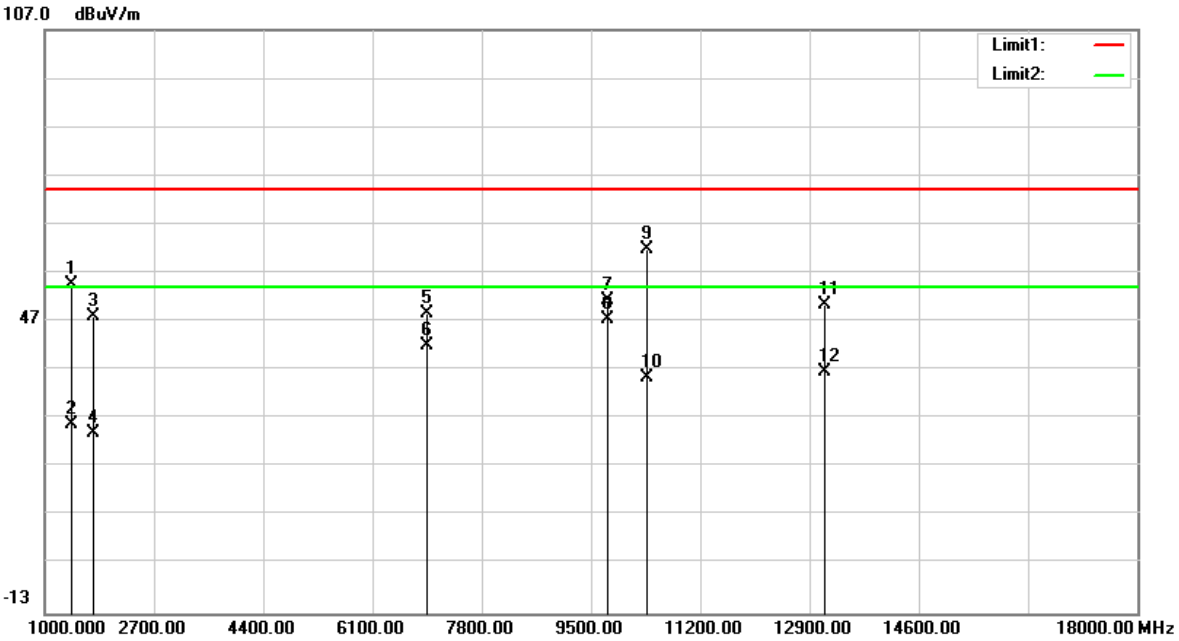
Note:

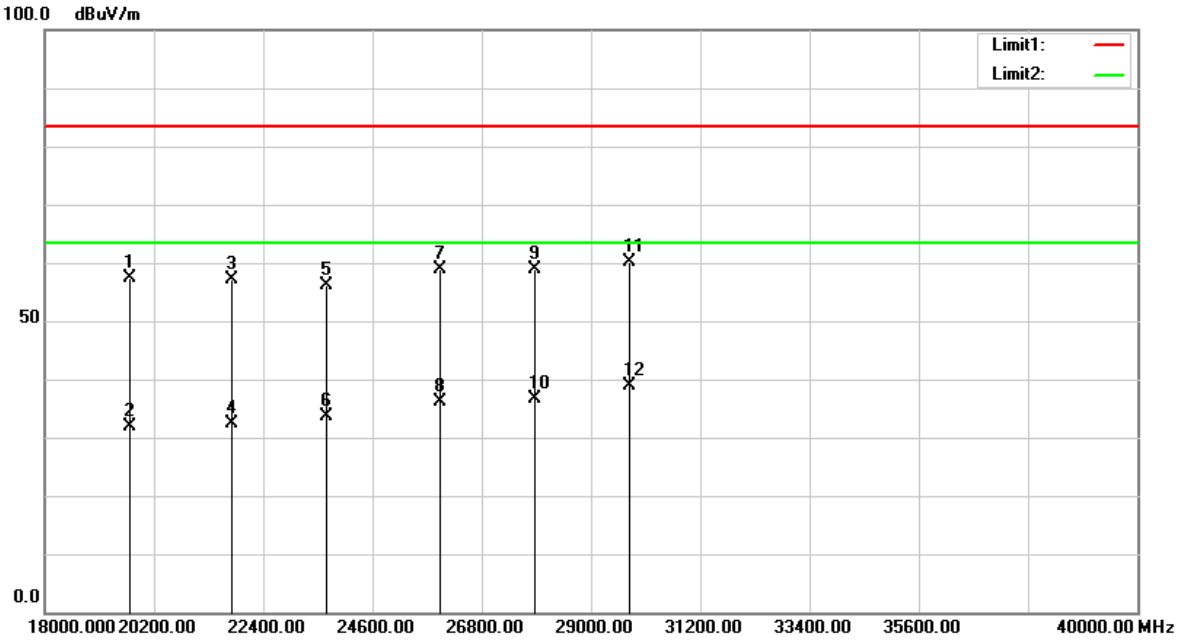
Result = Reading + Correct Factor

Margin = Limit –Result

Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator

Vertical


107.0 dBuV/m
Limit1:
Limit2:
47
-13
1000.000 2700.00 4400.00 6100.00 7800.00 9500.00 11200.00 12900.00 14600.00 18000.00 MHz


100.0 dBuV/m
Limit1:
Limit2:
50
0.0
18000.000 20200.00 22400.00 24600.00 26800.00 29000.00 31200.00 33400.00 35600.00 40000.00 MHz

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(°)	
1	1425.000	63.56	-8.80	54.76	74.00	-19.24	100	37	peak
2	1425.000	34.57	-8.80	25.77	54.00	-28.23	100	37	AVG
3	1748.000	55.17	-7.14	48.03	74.00	-25.97	100	282	peak
4	1748.000	31.22	-7.14	24.08	54.00	-29.92	100	282	AVG
5	6950.000	43.06	5.61	48.67	74.00	-25.33	100	33	peak
6	6950.000	36.47	5.61	42.08	54.00	-11.92	100	33	AVG
7	9755.000	39.66	11.57	51.23	74.00	-22.77	100	176	peak
8	9755.000	35.92	11.57	47.49	54.00	-6.51	100	176	AVG
9	10367.000	49.55	12.41	61.96	74.00	-12.04	100	347	peak
10	10367.000	23.15	12.41	35.56	54.00	-18.44	100	347	AVG
11	13138.000	37.25	13.16	50.41	74.00	-23.59	100	169	peak
12	13138.000	23.45	13.16	36.61	54.00	-17.39	100	169	AVG
13	19716.000	56.40	0.93	57.33	83.50	-26.17	100	181	peak
14	19716.000	30.85	0.93	31.78	63.50	-31.72	100	181	AVG
15	21762.000	55.86	1.31	57.17	83.50	-26.33	400	226	peak
16	21762.000	31.10	1.31	32.41	63.50	-31.09	400	226	AVG
17	23676.000	53.99	2.09	56.08	83.50	-27.42	400	18	peak
18	23676.000	31.53	2.09	33.62	63.50	-29.88	400	18	AVG
19	25964.000	54.62	4.30	58.92	83.50	-24.58	300	352	peak
20	25964.000	31.92	4.30	36.22	63.50	-27.28	300	352	AVG
21	27856.000	54.77	4.13	58.90	83.50	-24.60	200	288	peak
22	27856.000	32.54	4.13	36.67	63.50	-26.83	200	288	AVG
23	29770.000	54.13	6.09	60.22	83.50	-23.28	300	156	peak
24	29770.000	32.86	6.09	38.95	63.50	-24.55	300	156	AVG

Note:

Result = Reading + Correct Factor

Margin = Limit –Result

Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator

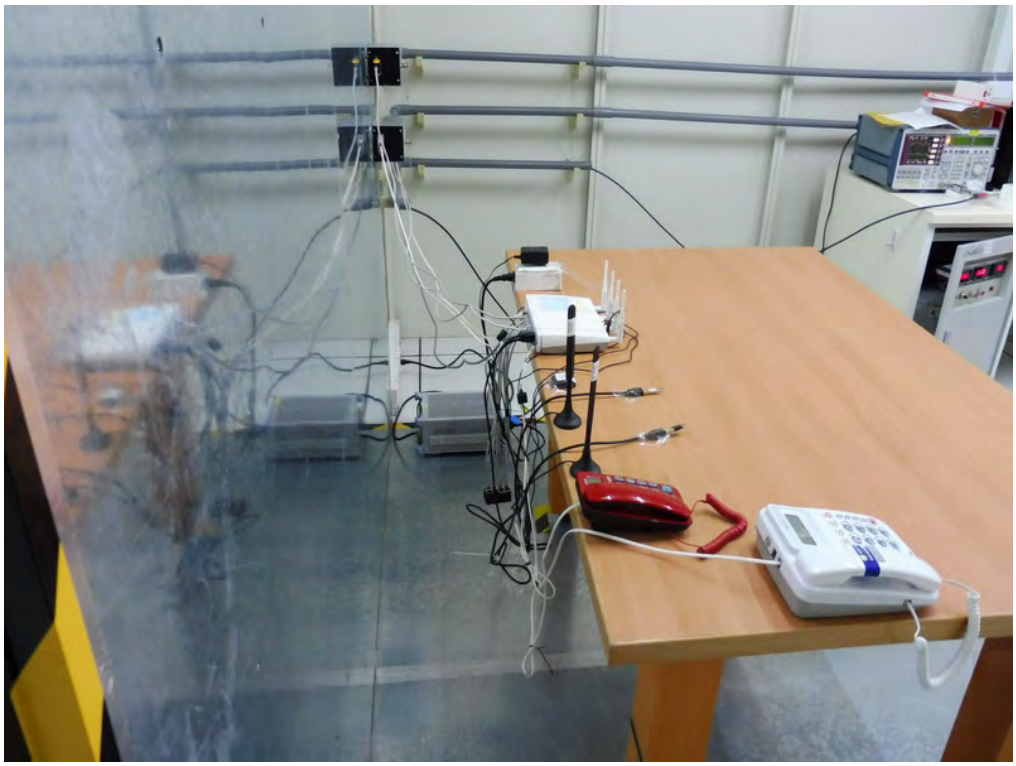
Exhibit A–EUT Setup Photographs

Conduction- Front View (Mode 11)

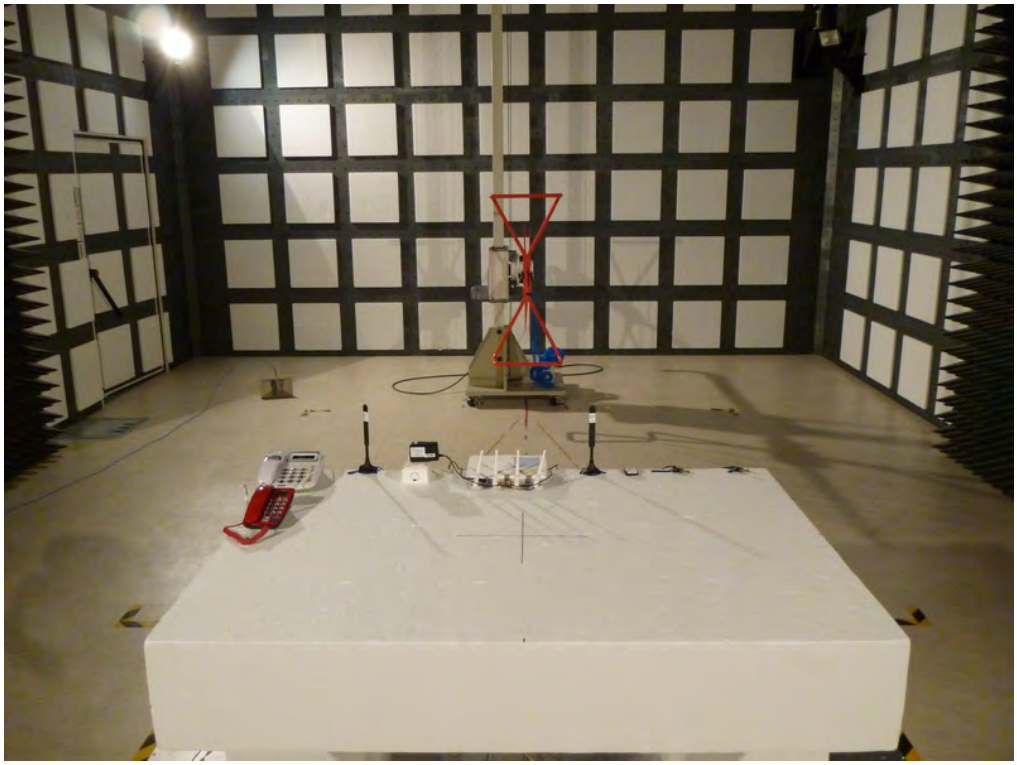
Conduction-Rear View (Mode 11)

Conduction- Front View (Mode 12)

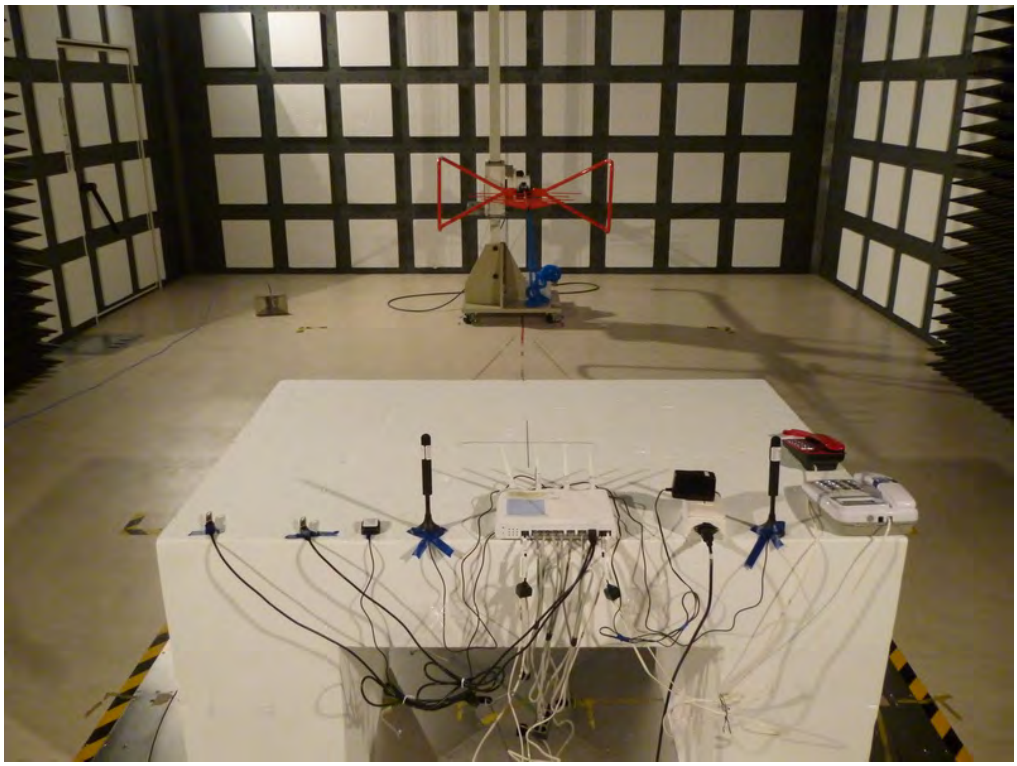
Conduction-Rear View (Mode 12)



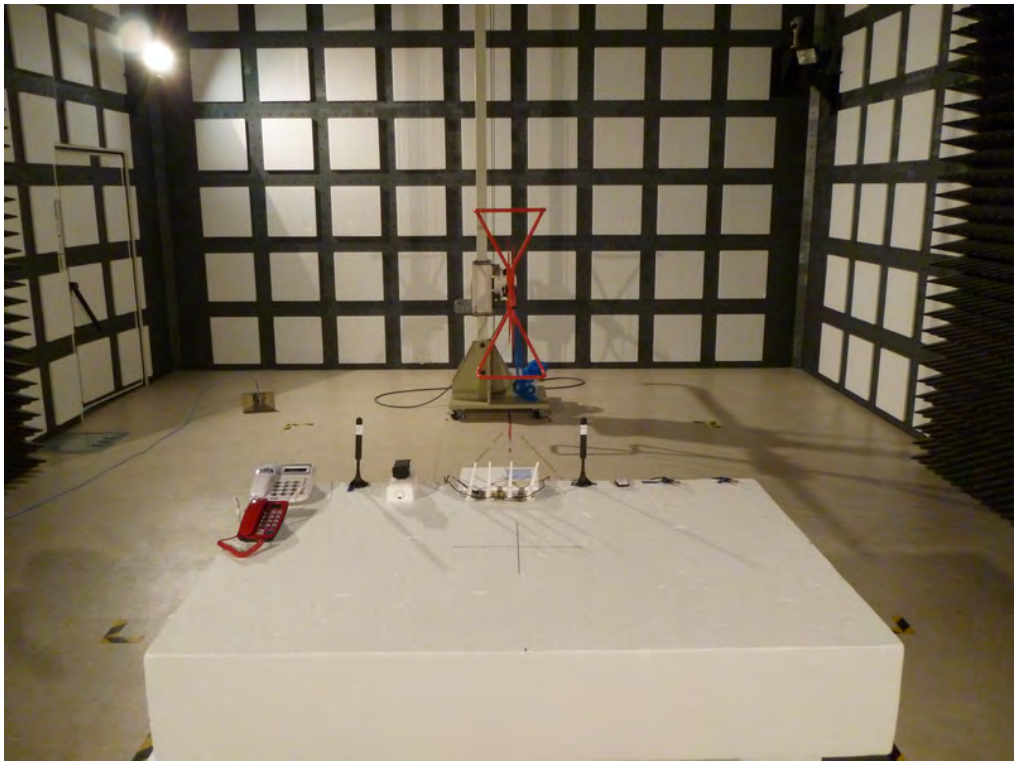
Radiated Emission - Front View Below 1GHz (Mode 11)



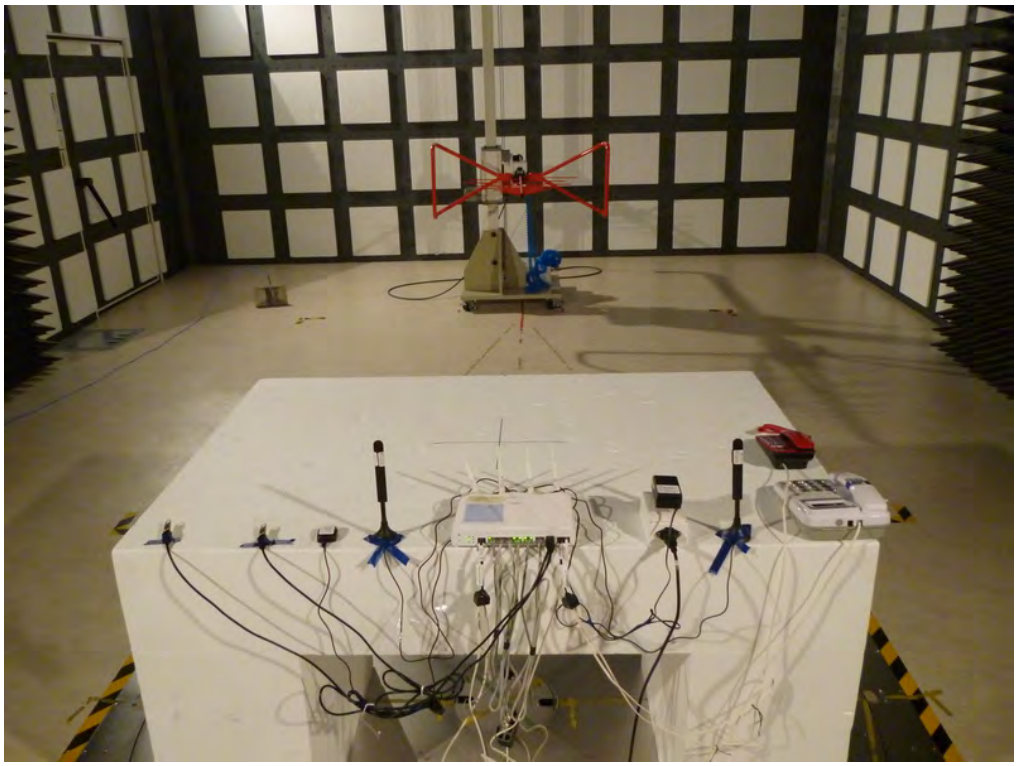
Radiated Emission - Rear View Below 1GHz (Mode 11)



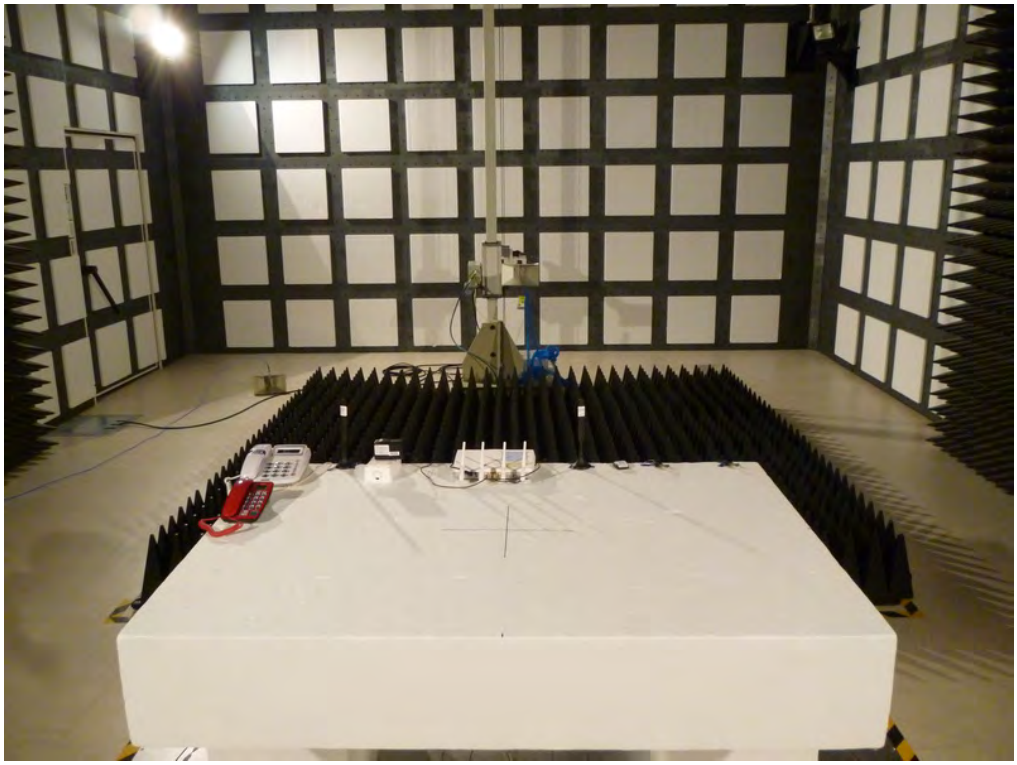
Radiated Emission - Front View Below 1GHz (Mode 12)



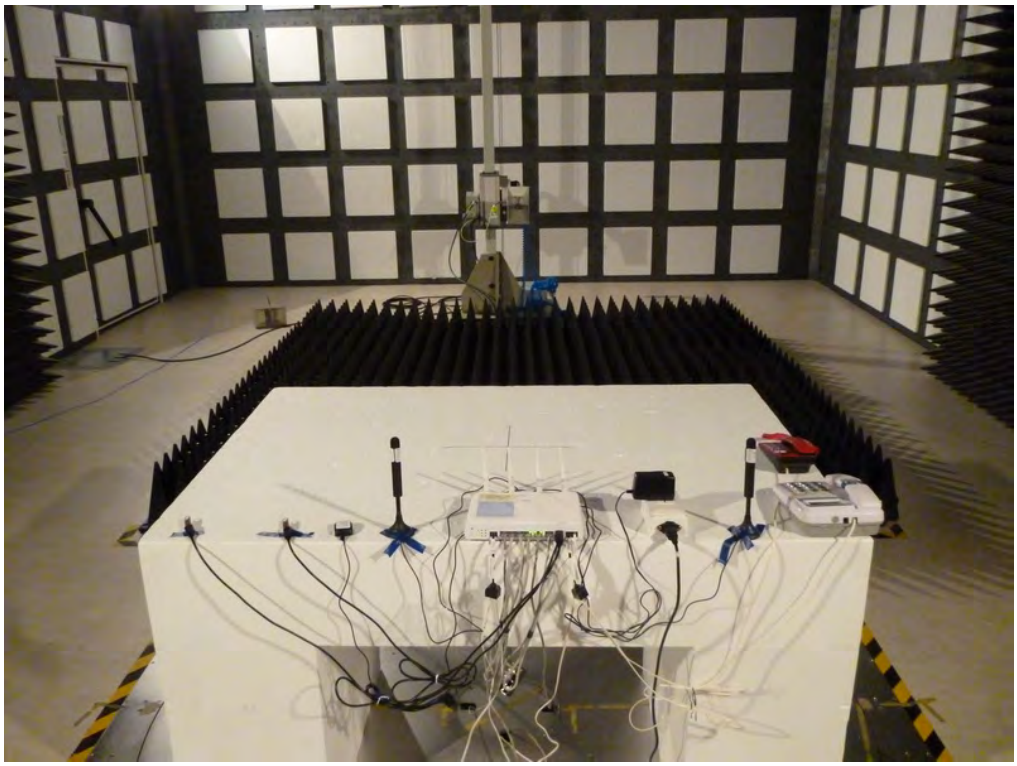
Radiated Emission - Rear View Below 1GHz (Mode 12)



Radiated Emission - Front View Above 1GHz (Mode 11)



Radiated Emission - Rear View Above 1GHz (Mode 11)



Radiated Emission - Front View Above 1GHz (Mode 12)

Radiated Emission - Rear View Above 1GHz (Mode 12)

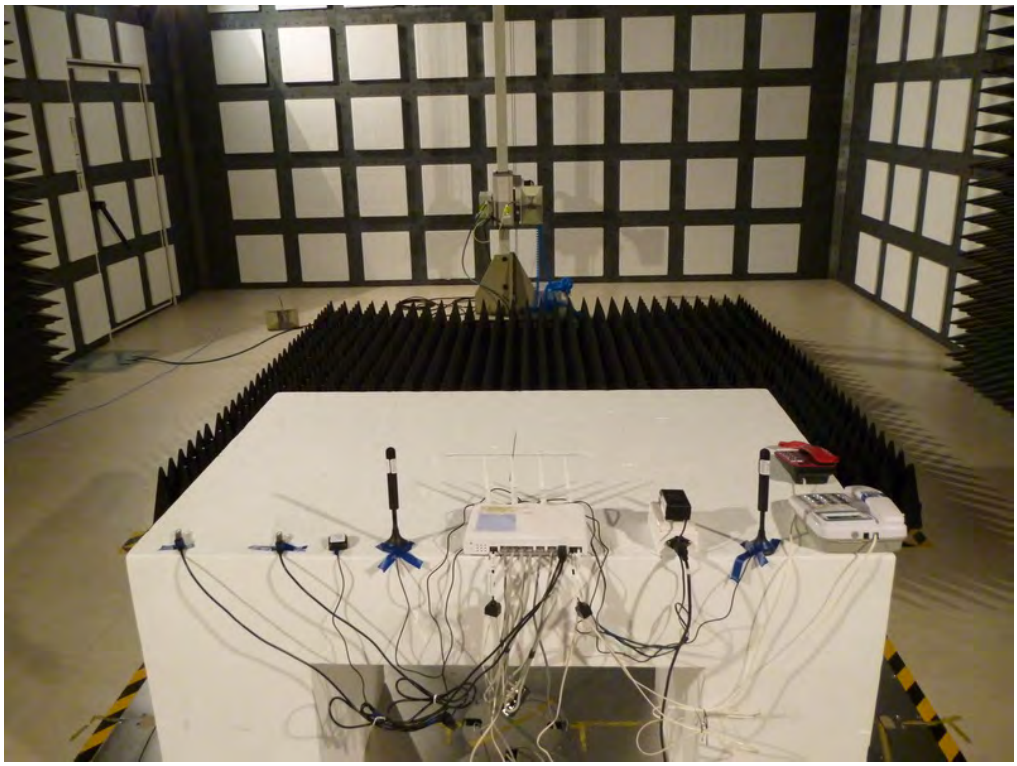
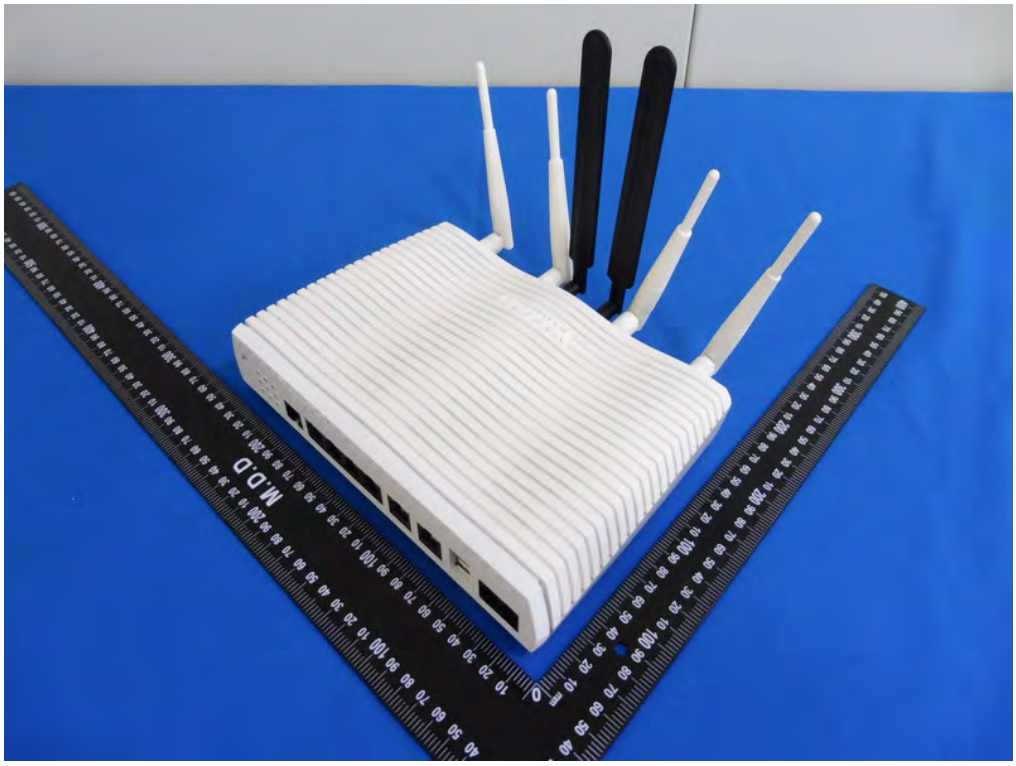
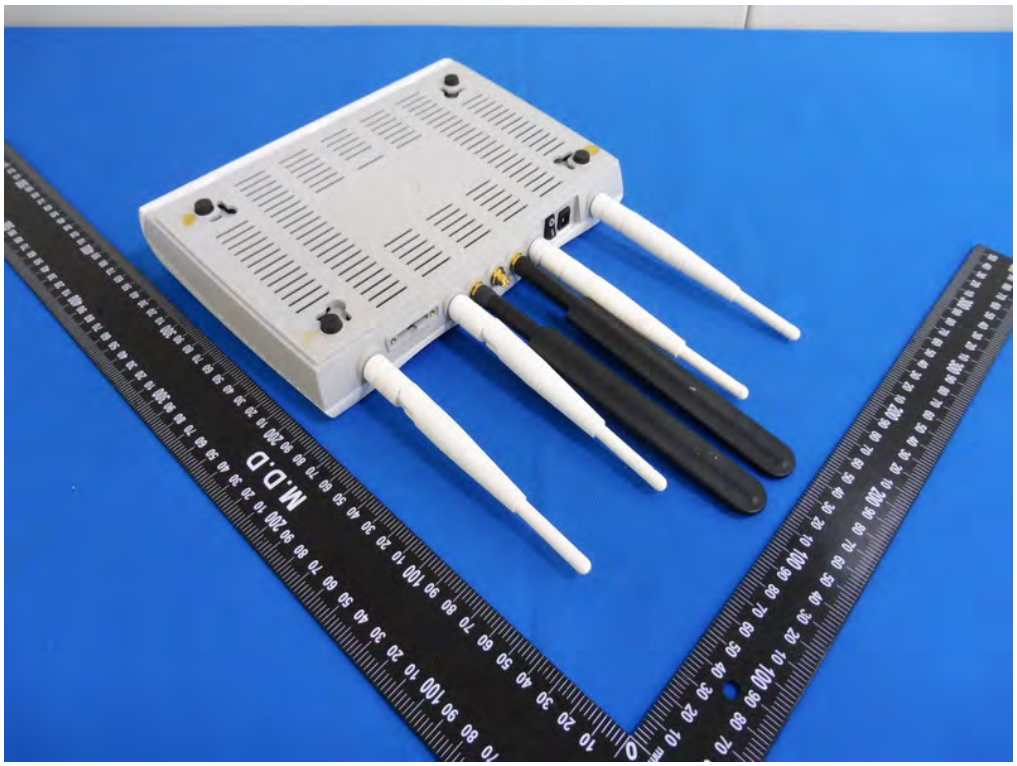


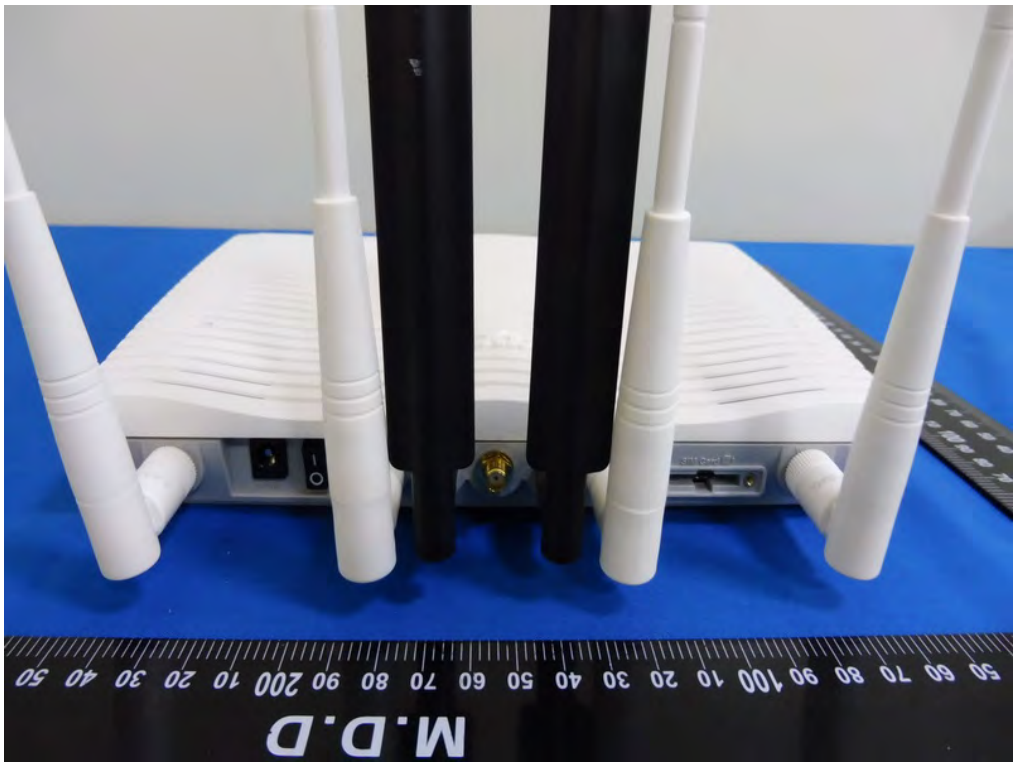
Exhibit B–EUT Photographs

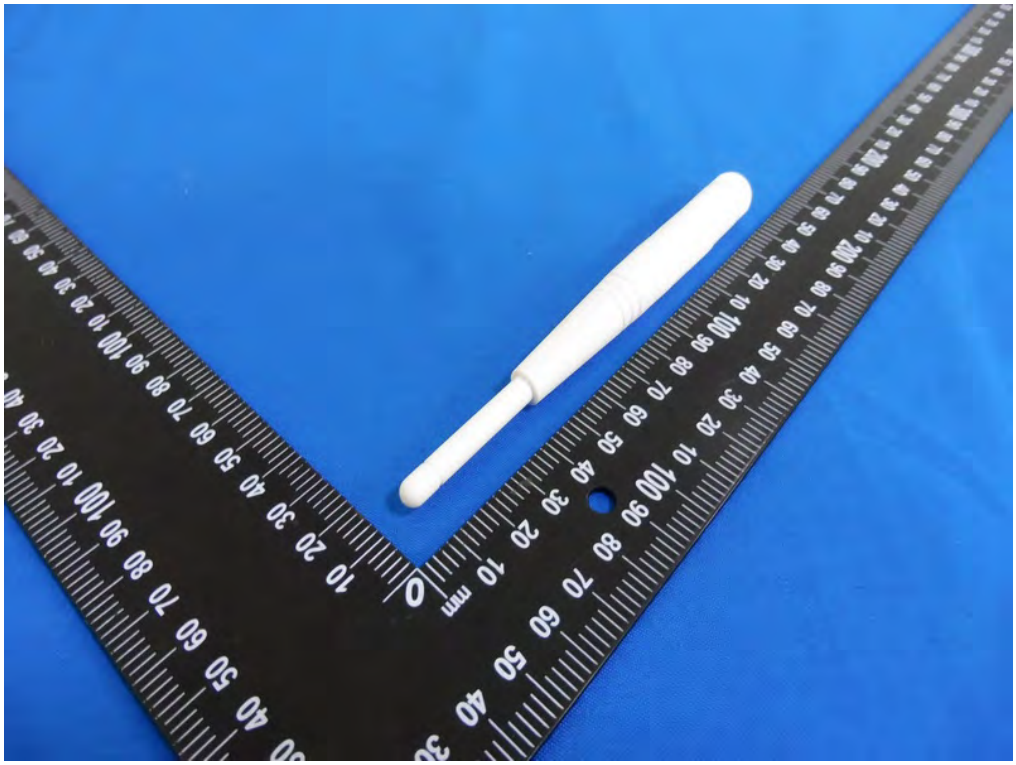
External Photographs

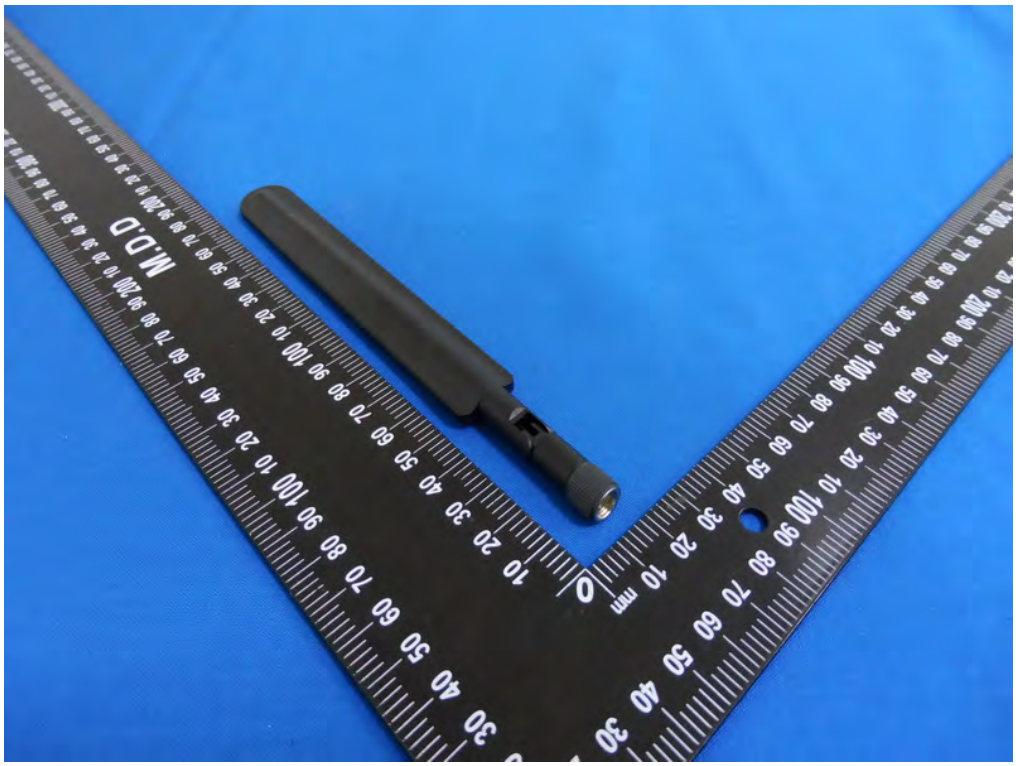





DrayTek







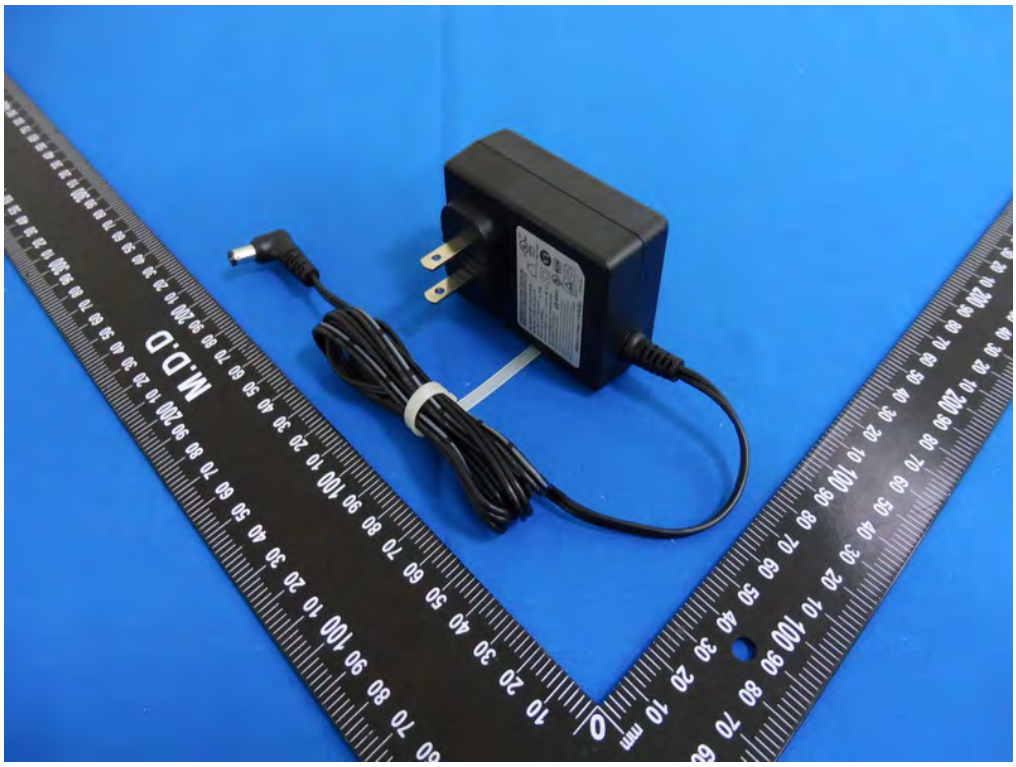

Analog
450-00000025-00
Analog
450-00000022-00

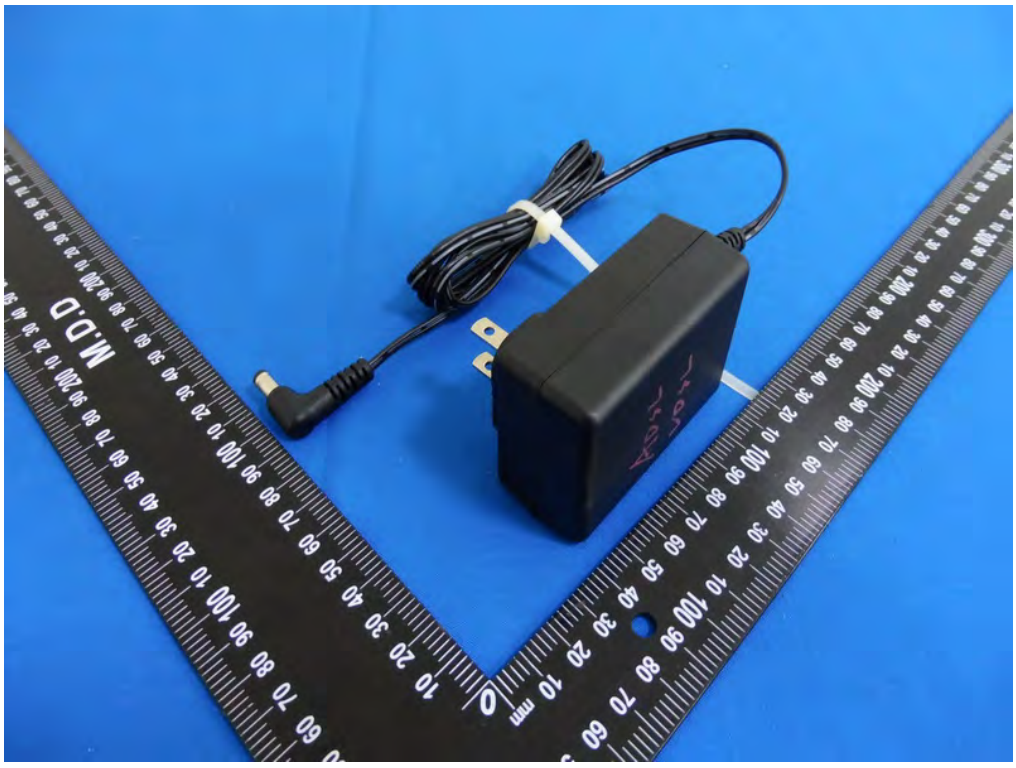

Analog
1
2
Analog
1
2

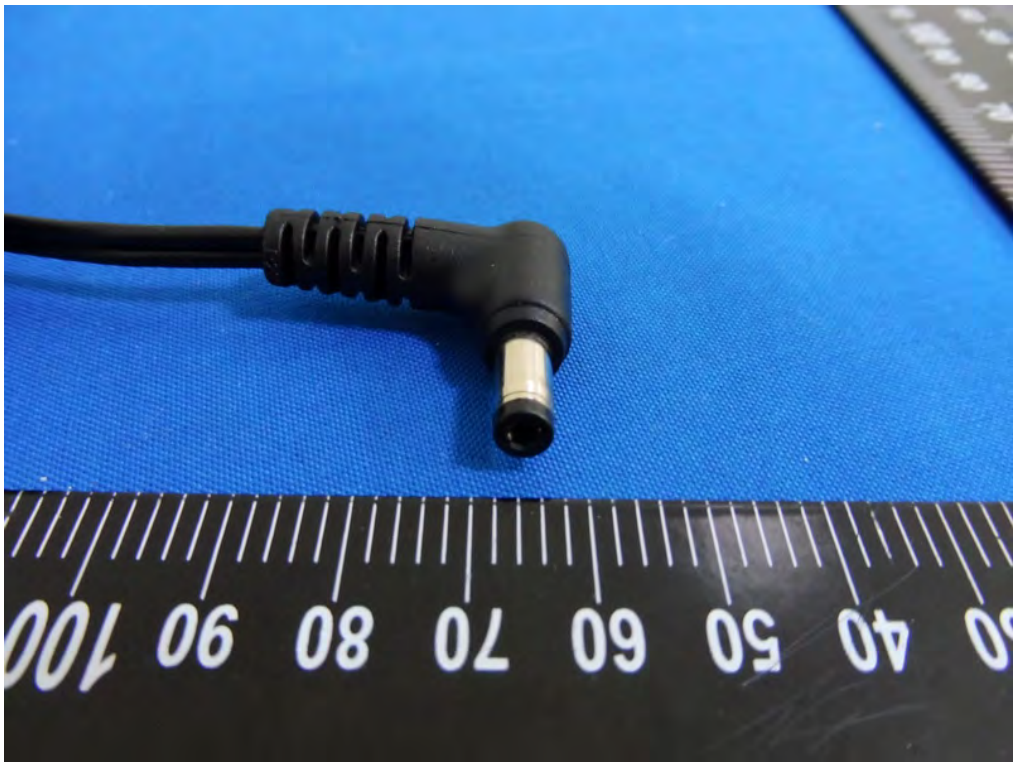

GPS Antenna


GPS Antenna
Frequency:1575.42MHz
Voltage:3V-5V
SGS FC CE

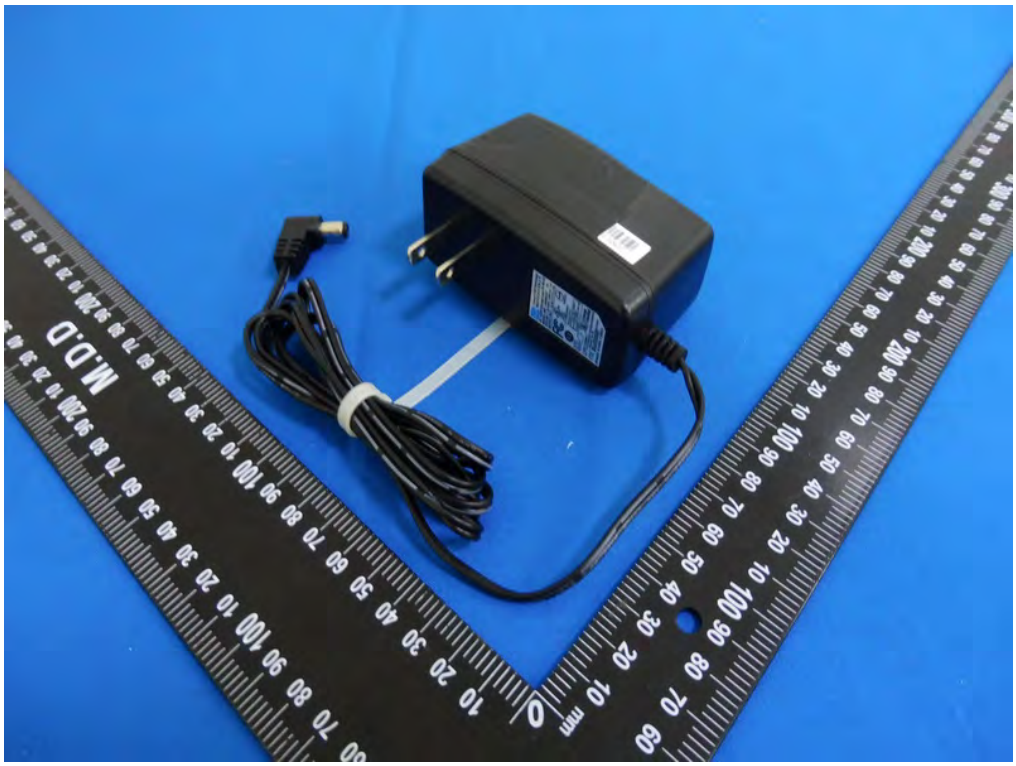
Adaptor Photographs

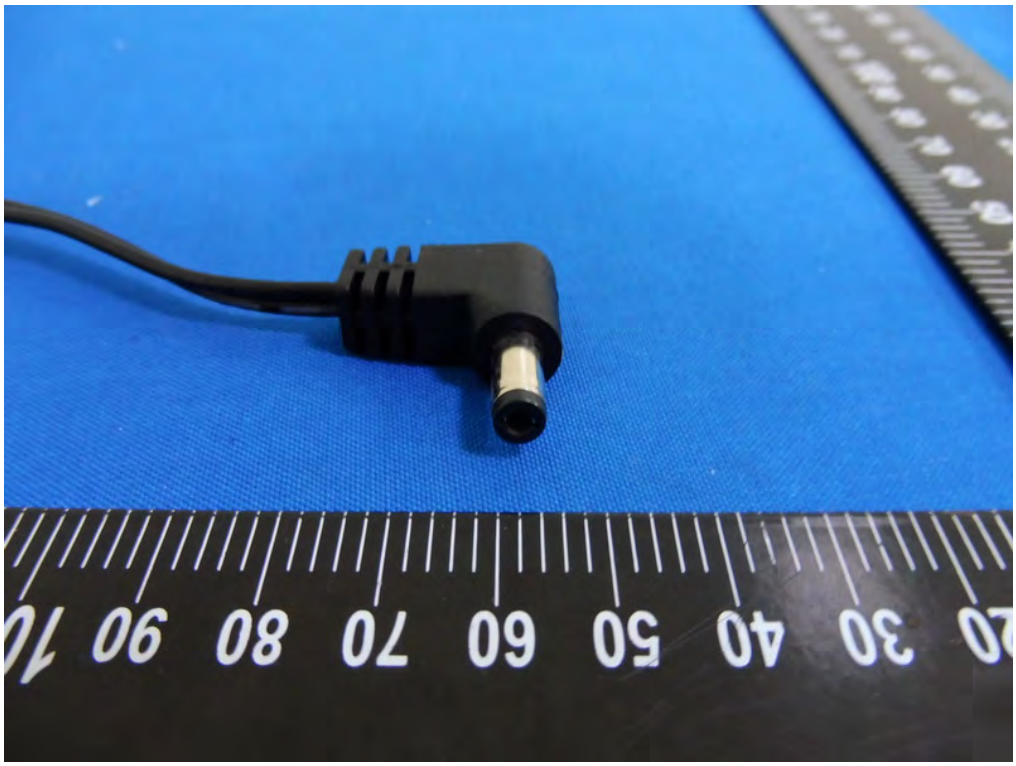




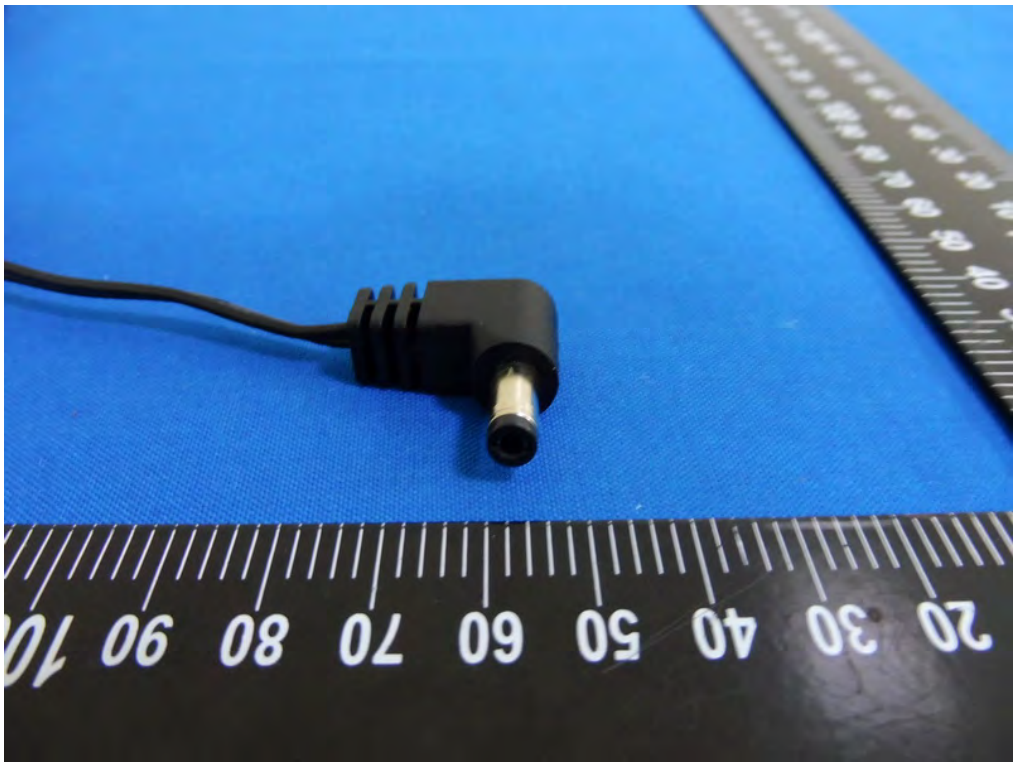



APD
Asian Power Devices Inc.
亞源科技股份有限公司
9Z07
c UL us
LISTED
E168210
I.T.E. Power Supply
AC ADAPTER (電源供應器)
Model No. (型號) :WA-36A12FU
Input (輸入) : 100-240V~
50-60 Hz 0.9AMax.
L.P.S.
Output (輸出) : 12V ⎓ 3A
VI
FOR INFORMATION TECHNOLOGY
EQUIPMENT USE ONLY.
(僅限資訊類產品使用)
R43017
UL MX -NOM
This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received,
including interference that may cause undesired operation.
株式会社 ケーアンドケー
Made in China(中國製造)
YP-01 F3

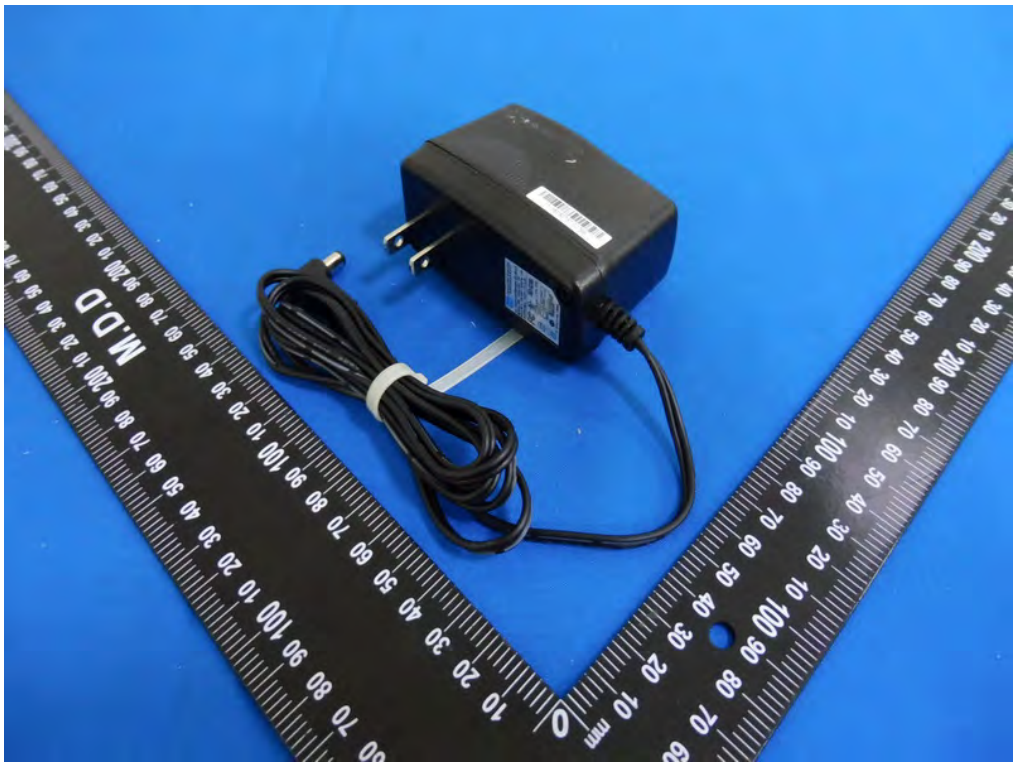


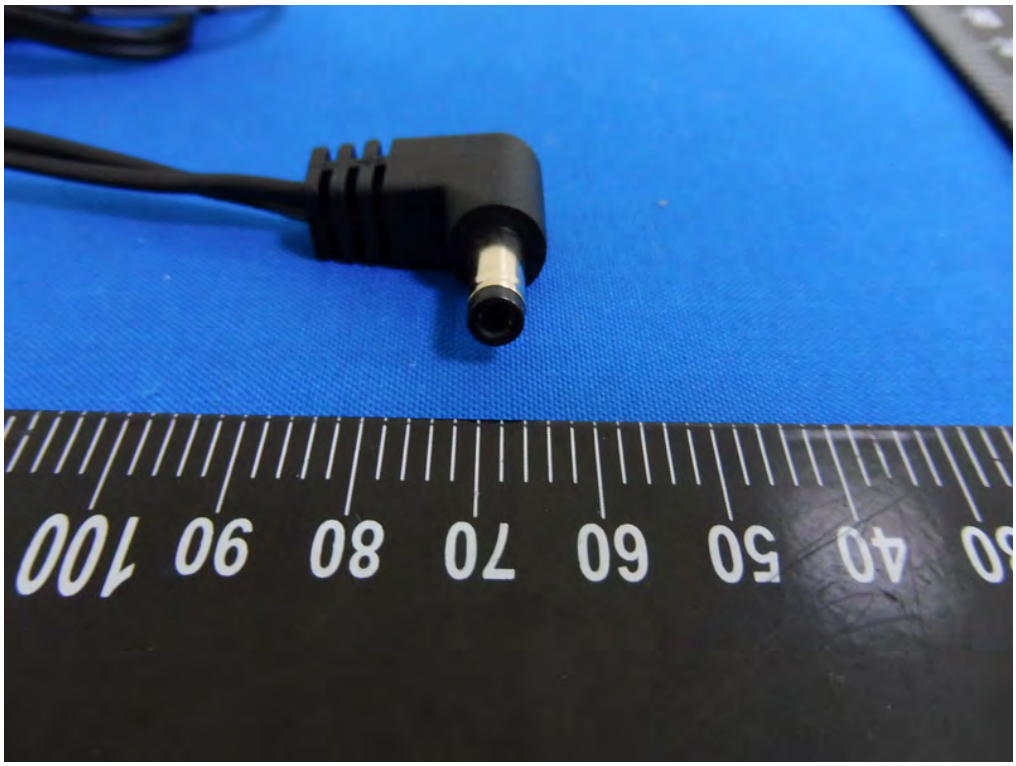



Channel Well Technology
AC ADAPTER/電源供應器
MODEL(型號) : 2ABN036F US
INPUT(輸入): 100-240V~ 50/60 Hz 1.0A
OUTPUT(輸出) : 12.0V 3.0A
LISTED
E161451
I.T.E. POWER SUPPLY
R43016
Factory ID:G
Energy Verified
LPS
WARNING :
For Information Technology Equipment and indoor use only.
ITE
CM MADE IN CHINA 中國製造



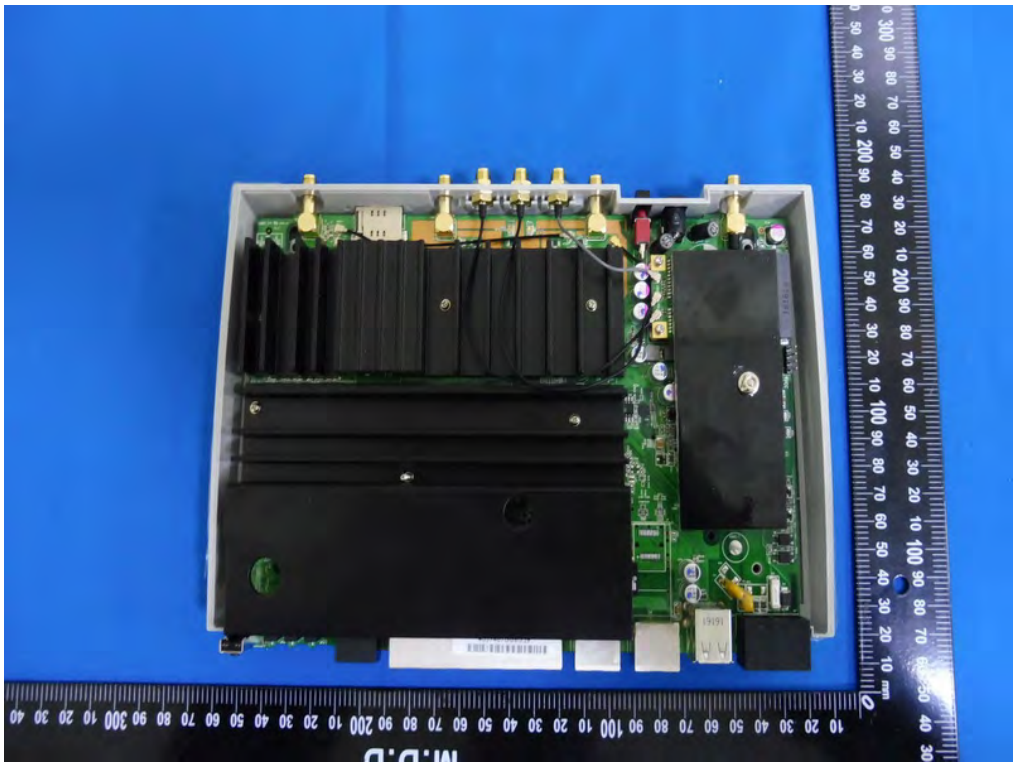

Channel Well Technology
AC ADAPTER
MODEL : 2ABB018F US
INPUT : 100-240V~ 50/60 Hz 0.6A
OUTPUT : 12.0V 1.5A
Energy Verified
LPS ITE
R43016
MADE IN CHINA

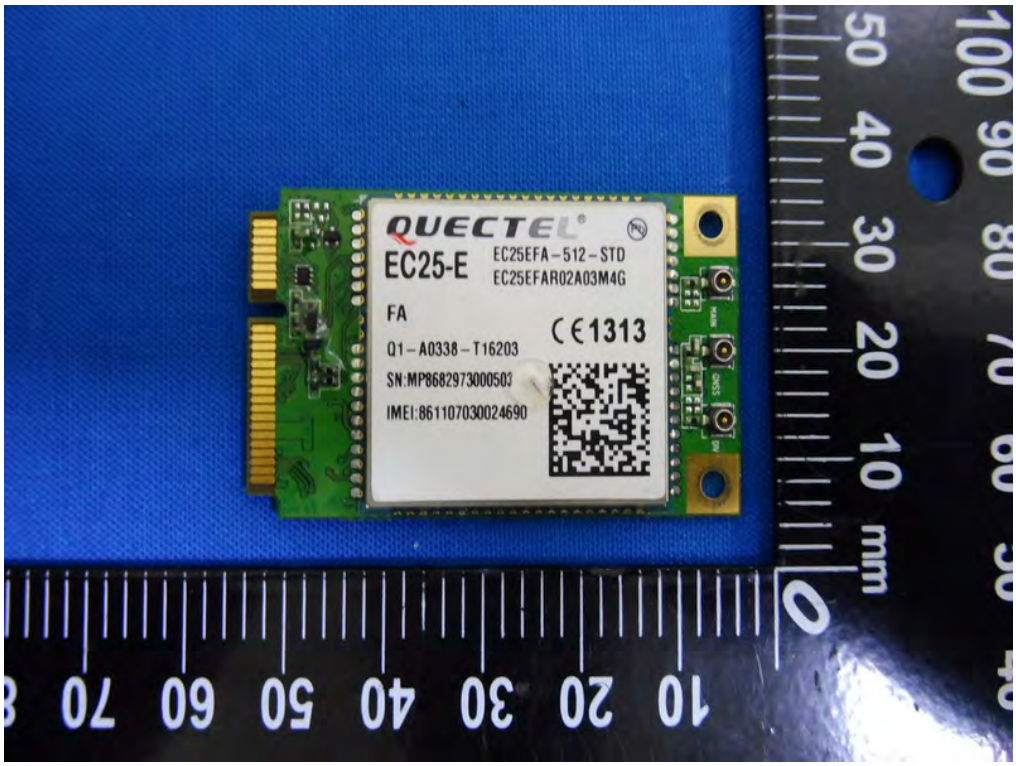


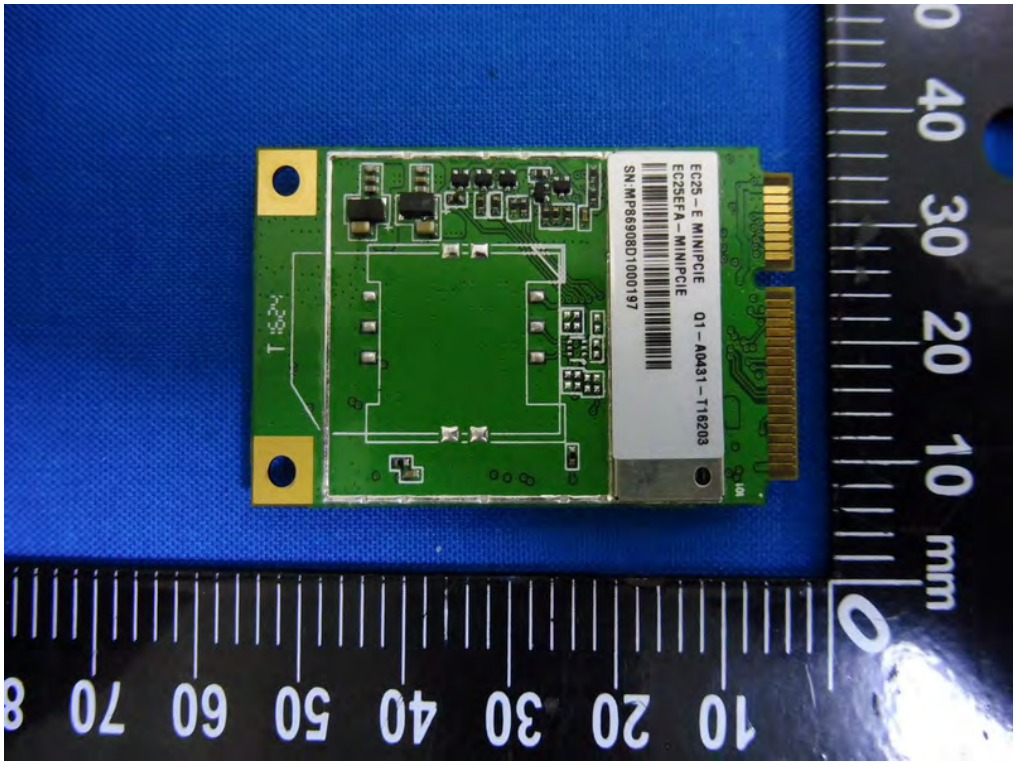


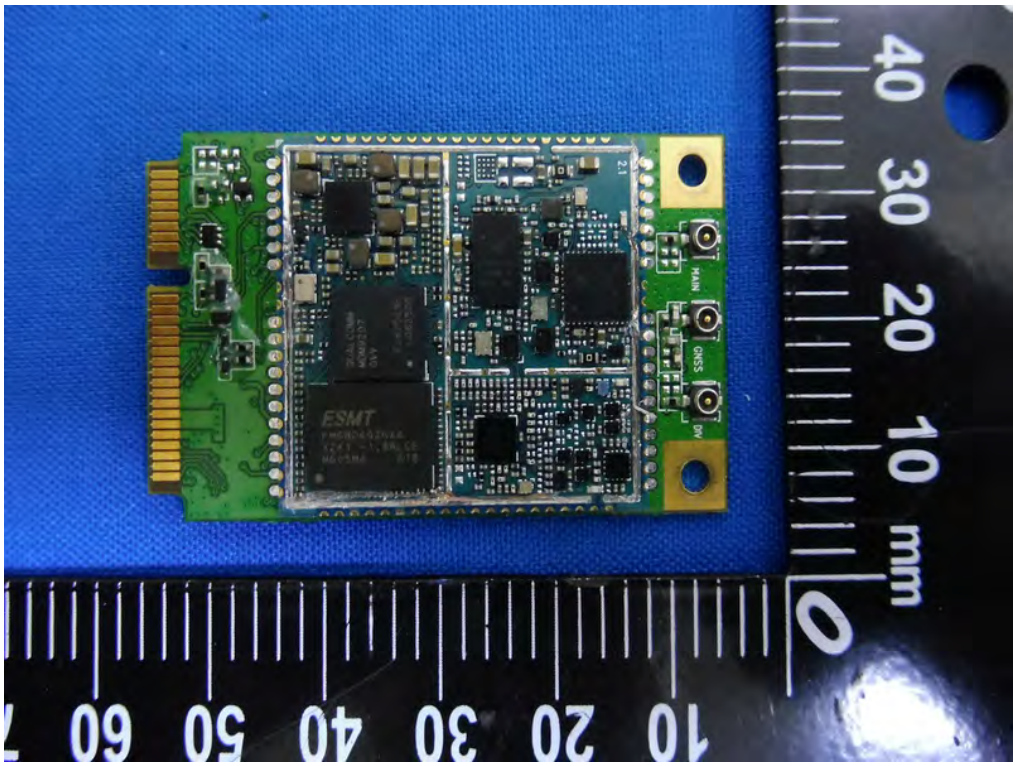

Channel Well Technology
AC ADAPTER
MODEL : 2ABL030F US
INPUT : 100-240V~ 50/60 Hz 1.0A
OUTPUT : 12.0V 2.5A
LISTED
E161451
I.T.E. POWER SUPPLY
LPS ITE
Factory ID: G
R43016
MADE IN CHINA

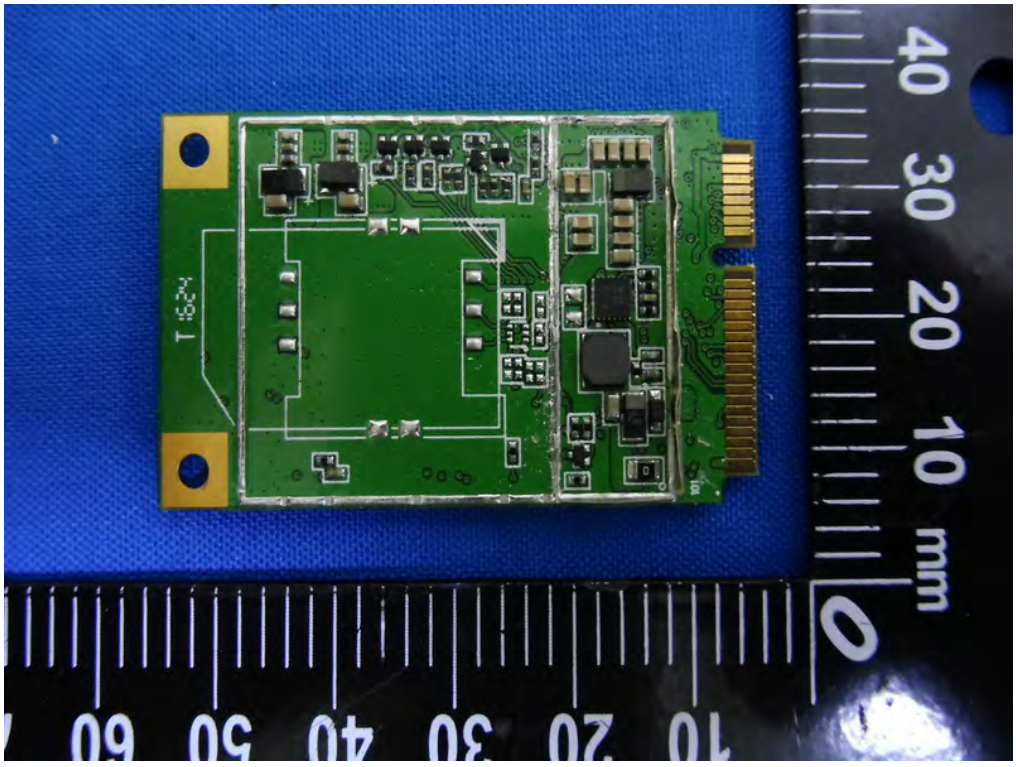
Internal Photographs




QUECTEL
EC25-E
EC25EFA-512-STD
EC25EFAR02A03M4G
FA
CE1313
Q1-A0338-T16203
SN:MP8682973000503
IMEI:861107030024690


EC25-E MINIPCIE Q1-A0431-T16203
EC25EFA-MINIPCIE
SN:MP869080100019


ESMT
MAIN
GNSS
DIV



******* END OF REPORT *******

Model Difference List

							Wireless		VoIP			GPS	LTE	Antenna		
Model Name	**VDSL Bonding**	**WAN-1 (VDSL/RJ11)**	**WAN-1 (Eth/RJ45)**	**WAN-2 (Eth/RJ45)**	**WAN-2 (Eth/SFP)**	**LAN (Eth/RJ45)**	**Wi-Fi 2.4G (2x2)**	**Wi-Fi 5G (4x4)**	**FXS**	**FXO**	**USB**		**SIM Slot**	**WiFi**	**LTE**	**GPS**
Vigor2862		1		1		4					2					
Vigor2862n		1		1		4	v				2			2		
Vigor2862ac		1		1		4	v	v			2			4		
Vigor2862Vn		1		1		4	v		2	1	2			2		
Vigor2862Vac		1		1		4	v	v	2	1	2			4		
Vigor2862F		1			1	4					2					
Vigor2862Fn		1			1	4	v				2			2		
Vigor2862Fac		1			1	4	v	v			2			4		
Vigor2862FVn		1			1	4	v		2	1	2			2		
Vigor2862FVac		1			1	4	v	v	2	1	2			4		
Vigor2862B	v	1		1		4					2					
Vigor2862Bn	v	1		1		4	v				2			2		
Vigor2862BVn	v	1		1		4	v		2	1	2			2		
Vigor2862BF	v	1			1	4					2					
Vigor2862BFn	v	1			1	4	v				2			2		
Vigor2862BFVn	v	1			1	4	v		2	1	2			2		
Vigor2862L		1		1		4					1		v		2	
Vigor2862Ln		1		1		4	v				1		v	2	2	
Vigor2862Lac		1		1		4	v	v			1		v	4	2	
Vigor2862LVn		1		1		4	v		2	1	1		v	2	2	
Vigor2862LVac		1		1		4	v	v	2	1	1		v	4	2	
Vigor2862LF		1			1	4					1		v		2	
Vigor2862LFn		1			1	4	v				1		v	2	2	
Vigor2862LFac		1			1	4	v	v			1		v	4	2	
Vigor2862LFVn		1			1	4	v		2	1	1		v	2	2	
Vigor2862LFVac		1			1	4	v	v	2	1	1		v	4	2	
Vigor2862Lg		1		1		4					1	v	v		2	1
Vigor2862Lgn		1		1		4	v				1	v	v	2	2	1
Vigor2862Lgac		1		1		4	v	v			1	v	v	4	2	1
Vigor2862LgVn		1		1		4	v		2	1	1	v	v	2	2	1
Vigor2862LgVac		1		1		4	v	v	2	1	1	v	v	4	2	1
Vigor2862LgF		1			1	4					1	v	v		2	1
Vigor2862LgFn		1			1	4	v				1	v	v	2	2	1
Vigor2862LgFac		1			1	4	v	v			1	v	v	4	2	1
Vigor2862LgFVn		1			1	4	v		2	1	1	v	v	2	2	1
Vigor2862LgFVac		1			1	4	v	v	2	1	1	v	v	4	2	1

Model Difference List

							Wireless		VoIP			GPS	LTE	Antenna		
Model Name	VDSL Bonding	WAN-1 (VDSL/RJ11)	WAN-1 (Eth/RJ45)	WAN-2 (Eth/RJ45)	WAN-2 (Eth/SFP)	LAN (Eth/RJ45)	Wi-Fi 2.4G (2x2)	Wi-Fi 5G (4x4)	FXS	FXO	USB		SIM Slot	WiFi	LTE	GPS
Vigor2862BL	v	1		1		4					1		v		2	
Vigor2862BLn	v	1		1		4	v				1		v	2	2	
Vigor2862BLVn	v	1		1		4	v		2	1	1		v	2	2	
Vigor2862BLF	v	1			1	4					1		v		2	
Vigor2862BLFn	v	1			1	4	v				1		v	2	2	
Vigor2862BLFVn	v	1			1	4	v		2	1	1		v	2	2	
Vigor2862BLg	v	1		1		4					1	v	v		2	1
Vigor2862BLgn	v	1		1		4	v				1	v	v	2	2	1
Vigor2862BLgVn	v	1		1		4	v		2	1	1	v	v	2	2	1
Vigor2862BLgF	v	1			1	4					1	v	v		2	1
Vigor2862BLgFn	v	1			1	4	v				1	v	v	2	2	1
Vigor2862BLgFVn	v	1			1	4	v		2	1	1	v	v	2	2	1
Vigor2862BLgVac	v	1		1		4	v	v	2	1	1	v	v	4	2	1
Vigor2862BLgFVac	v	1			1	4	v	v	2	1	1	v	v	4	2	1
Vigor2926			1	1		4					2					
Vigor2926n			1	1		4	v				2			2		
Vigor2926ac			1	1		4	v	v			2			4		
Vigor2926Vn			1	1		4	v		2	1	2			2		
Vigor2926Vac			1	1		4	v	v	2	1	2			4		
Vigor2926F			1		1	4					2					
Vigor2926Fn			1		1	4	v				2			2		
Vigor2926Fac			1		1	4	v	v			2			4		
Vigor2926FVn			1		1	4	v		2	1	2			2		
Vigor2926FVac			1		1	4	v	v	2	1	2			4		
Vigor2926L			1	1		4					1		v		2	
Vigor2926Ln			1	1		4	v				1		v	2	2	
Vigor2926Lac			1	1		4	v	v			1		v	4	2	
Vigor2926LVn			1	1		4	v		2	1	1		v	2	2	
Vigor2926LVac			1	1		4	v	v	2	1	1		v	4	2	
Vigor2926LF			1		1	4					1		v		2	
Vigor2926LFn			1		1	4	v				1		v	2	2	
Vigor2926LFac			1		1	4	v	v			1		v	4	2	
Vigor2926LFVn			1		1	4	v		2	1	1		v	2	2	
Vigor2926LFVac			1		1	4	v	v	2	1	1		v	4	2	
Vigor2926Lg			1	1		4					1	v	v		2	1
Vigor2926Lgn			1	1		4	v				1	v	v	2	2	1

Model Difference List

							Wireless		VoIP			GPS	LTE	Antenna		
Model Name	VDSL Bonding	WAN-1 (VDSL/RJ11)	WAN-1 (Eth/RJ45)	WAN-2 (Eth/RJ45)	WAN-2 (Eth/SFP)	LAN (Eth/RJ45)	Wi-Fi 2.4G (2x2)	Wi-Fi 5G (4x4)	FXS	FXO	USB		SIM Slot	WiFi	LTE	GPS
Vigor2926Lgac			1	1		4	v	v			1	v	v	4	2	1
Vigor2926LgVn			1	1		4	v		2	1	1	v	v	2	2	1
Vigor2926LgVac			1	1		4	v	v	2	1	1	v	v	4	2	1
Vigor2926LgF			1		1	4					1	v	v		2	1
Vigor2926LgFn			1		1	4	v				1	v	v	2	2	1
Vigor2926LgFac			1		1	4	v	v			1	v	v	4	2	1
Vigor2926LgFVn			1		1	4	v		2	1	1	v	v	2	2	1
Vigor2926LgFVac			1		1	4	v	v	2	1	1	v	v	4	2	1
Vigor2860		1		1		4					2					
Vigor2860n		1		1		4	v				2			2		
Vigor2860ac		1		1		4	v	v			2			4		
Vigor2860Vn		1		1		4	v		2	1	2			2		
Vigor2860Vac		1		1		4	v	v	2	1	2			4		
Vigor2860F		1			1	4					2					
Vigor2860Fn		1			1	4	v				2			2		
Vigor2860Fac		1			1	4	v	v			2			4		
Vigor2860FVn		1			1	4	v		2	1	2			2		
Vigor2860FVac		1			1	4	v	v	2	1	2			4		
Vigor2860B	v	1		1		4					2					
Vigor2860Bn	v	1		1		4	v				2			2		
Vigor2860BVn	v	1		1		4	v		2	1	2			2		
Vigor2860BF	v	1			1	4					2					
Vigor2860BFn	v	1			1	4	v				2			2		
Vigor2860BFVn	v	1			1	4	v		2	1	2			2		
Vigor2860L		1		1		4					1		v		2	
Vigor2860Ln		1		1		4	v				1		v	2	2	
Vigor2860Lac		1		1		4	v	v			1		v	4	2	
Vigor2860LVn		1		1		4	v		2	1	1		v	2	2	
Vigor2860LVac		1		1		4	v	v	2	1	1		v	4	2	
Vigor2860LF		1			1	4					1		v		2	
Vigor2860LFn		1			1	4	v				1		v	2	2	
Vigor2860LFac		1			1	4	v	v			1		v	4	2	
Vigor2860LFVn		1			1	4	v		2	1	1		v	2	2	
Vigor2860LFVac		1			1	4	v	v	2	1	1		v	4	2	
Vigor2860Lg		1		1		4					1	v	v		2	1
Vigor2860Lgn		1		1		4	v				1	v	v	2	2	1

Model Difference List

							Wireless		VoIP			GPS	LTE	Antenna		
Model Name	VDSL Bonding	WAN-1 (VDSL/RJ11)	WAN-1 (Eth/RJ45)	WAN-2 (Eth/RJ45)	WAN-2 (Eth/SFP)	LAN (Eth/RJ45)	Wi-Fi 2.4G (2x2)	Wi-Fi 5G (4x4)	FXS	FXO	USB		SIM Slot	WiFi	LTE	GPS
Vigor2860Lgac		1		1		4	v	v			1	v	v	4	2	1
Vigor2860LgVn		1		1		4	v		2	1	1	v	v	2	2	1
Vigor2860LgVac		1		1		4	v	v	2	1	1	v	v	4	2	1
Vigor2860LgF		1			1	4					1	v	v		2	1
Vigor2860LgFn		1			1	4	v				1	v	v	2	2	1
Vigor2860LgFac		1			1	4	v	v			1	v	v	4	2	1
Vigor2860LgFVn		1			1	4	v		2	1	1	v	v	2	2	1
Vigor2860LgFVac		1			1	4	v	v	2	1	1	v	v	4	2	1
Vigor2860BL	v	1		1		4					1		v		2	
Vigor2860BLn	v	1		1		4	v				1		v	2	2	
Vigor2860BLVn	v	1		1		4	v		2	1	1		v	2	2	
Vigor2860BLF	v	1			1	4					1		v		2	
Vigor2860BLFn	v	1			1	4	v				1		v	2	2	
Vigor2860BLFVn	v	1			1	4	v		2	1	1		v	2	2	
Vigor2860BLg	v	1		1		4					1	v	v		2	1
Vigor2860BLgn	v	1		1		4	v				1	v	v	2	2	1
Vigor2860BLgVn	v	1		1		4	v		2	1	1	v	v	2	2	1
Vigor2860BLgF	v	1			1	4					1	v	v		2	1
Vigor2860BLgFn	v	1			1	4	v				1	v	v	2	2	1
Vigor2860BLgFVn	v	1			1	4	v		2	1	1	v	v	2	2	1
Vigor2860BLgVac	v	1		1		4	v	v	2	1	1	v	v	4	2	1
Vigor2860BLgFVac	v	1			1	4	v	v	2	1	1	v	v	4	2	1
Vigor2925			1	1		4					2					
Vigor2925n			1	1		4	v				2			2		
Vigor2925ac			1	1		4	v	v			2			4		
Vigor2925Vn			1	1		4	v		2	1	2			2		
Vigor2925Vac			1	1		4	v	v	2	1	2			4		
Vigor2925F			1		1	4					2					
Vigor2925Fn			1		1	4	v				2			2		
Vigor2925Fac			1		1	4	v	v			2			4		
Vigor2925FVn			1		1	4	v		2	1	2			2		
Vigor2925FVac			1		1	4	v	v	2	1	2			4		
Vigor2925L			1	1		4					1		v		2	
Vigor2925Ln			1	1		4	v				1		v	2	2	
Vigor2925Lac			1	1		4	v	v			1		v	4	2	
Vigor2925LVn			1	1		4	v		2	1	1		v	2	2	
Vigor2925LVac			1	1		4	v	v	2	1	1		v	4	2	

Model Difference List

							Wireless		VoIP			GPS	LTE	Antenna		
Model Name	VDSL Bonding	WAN-1 (VDSL/RJ11)	WAN-1 (Eth/RJ45)	WAN-2 (Eth/RJ45)	WAN-2 (Eth/SFP)	LAN (Eth/RJ45)	Wi-Fi 2.4G (2x2)	Wi-Fi 5G (4x4)	FXS	FXO	USB		SIM Slot	WiFi	LTE	GPS
Vigor2925LF			1		1	4					1		v		2	
Vigor2925LFn			1		1	4	v				1		v	2	2	
Vigor2925LFac			1		1	4	v	v			1		v	4	2	
Vigor2925LFVn			1		1	4	v		2	1	1		v	2	2	
Vigor2925LFVac			1		1	4	v	v	2	1	1		v	4	2	
Vigor2925Lg			1	1		4					1	v	v		2	1
Vigor2925Lgn			1	1		4	v				1	v	v	2	2	1
Vigor2925Lgac			1	1		4	v	v			1	v	v	4	2	1
Vigor2925LgVn			1	1		4	v		2	1	1	v	v	2	2	1
Vigor2925LgVac			1	1		4	v	v	2	1	1	v	v	4	2	1
Vigor2925LgF			1		1	4					1	v	v		2	1
Vigor2925LgFn			1		1	4	v				1	v	v	2	2	1
Vigor2925LgFac			1		1	4	v	v			1	v	v	4	2	1
Vigor2925LgFVn			1		1	4	v		2	1	1	v	v	2	2	1
Vigor2925LgFVac			1		1	4	v	v	2	1	1	v	v	4	2	1
Vigor2832		1		1		4					2					
Vigor2832n		1		1		4	v				2			2		
Vigor2832Vn		1		1		4	v		2	1	2			2		

Abbreviation :

VigorXXXXBLgFVac

XXXX= 2862, 2926, 2860, 2925, 2832

n	Only 2.4G Wi-fi function
ac	2.4G Wi-fi function and 5G Wi-fi functi
F	Fiber function
V	VoIP function
L	LTE function
B	Bonding VDSL function
g	GPS function