

EMC Test Report

Applicant : Reliance Communications LLC
Product Type : GSM/CDMA/WCDMA/LTE mobile phone
Trade Name : Orbic
Model Number : RC555L
Applicable Standard : FCC 47 CFR PART 15 SUBPART B
ANSI C63.4: 2014

Receive Date : Sep. 07, 2017
Test Period : Sep. 09 ~ Sep. 11, 2017
Issue Date : Oct. 12, 2017

Issue by

A Test Lab Techno Corp.
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Taiwan Accreditation Foundation accreditation number: 1330
Test Firm MRA designation number: TW1062

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Revision History

Rev.	Issue Date	Revisions	Revised By
00	Oct. 02, 2017	Initial Issue	Serene Yang
01	Oct. 12, 2017	Revised report information	Serene Yang

Verification of Compliance

Issued Date: Oct. 12, 2017

Applicant : Reliance Communications LLC
Product Type : GSM/CDMA/WCDMA/LTE mobile phone
Trade Name : Orbic
Model Number : RC555L
EUT Rated Voltage : DC 5V, 2A or DC 9V, 2A
Test Voltage : 120 Vac / 60 Hz
Applicable Standard : FCC 47 CFR PART 15 SUBPART B
ANSI C63.4: 2014

Test Result : Complied

Performing Lab. : A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade District,
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Taiwan Accreditation Foundation accreditation number: 1330
<http://www.atl-lab.com.tw/e-index.htm>



The above equipment has been tested by A Test Lab Techno Corp., and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved By : Misty Wu Reviewed By : Terry Liao
(Manager) (Misty Wu) (Testing Engineer) (Terry Liao)

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1 General Information

1.1. Summary of Test Result

Emission			
Standard	Item	Verdict	Remark
FCC 47 CFR PART 15 SUBPART B ANSI C63.4	Conducted Emission	PASS	Meet Class B limit
FCC 47 CFR PART 15 SUBPART B ANSI C63.4	Radiated Emission	PASS	Meet Class B limit

The test results of this report was related only to the tested sample(s) identified in this report. Manufacturer or whom it may concern should recognize the pass or fail of the test result.

1.2. Testing Location

Site Name: A Test Lab Techno Corp.

<http://www.atl-lab.com.tw/e-index.htm>

Site Address: No. 140-1, Changan Street, Bade District, Taoyuan City 33465, Taiwan (R.O.C)

Tel : +886-3-2710188

Fax : +886-3-2710190

1.3. Measurement Uncertainty

Test Item		Frequency Range	Uncertainty (dB)
Conducted Emission	AC Power Port	9kHz ~ 150kHz	2.7
		150kHz ~ 30MHz	2.7

Test Item	Test Site	Frequency Range		Uncertainty (dB)
Radiated Emission	TE06	30MHz ~ 1000MHz	Horizontal	5.6
			Vertical	6.0
	TE01	1000MHz ~ 6000MHz		5.2
		6000MHz ~ 18000MHz		5.5
		18000MHz ~ 26500MHz		4.8
		26500MHz ~ 40000MHz		4.8
	TE09	1000MHz ~ 6000MHz		4.9
		6000MHz ~ 18000MHz		5.3
		18000MHz ~ 26500MHz		4.5
		26500MHz ~ 40000MHz		4.8
Note: The Vertical and Horizontal measurement uncertainty of 1GHz to 40GHz is evaluated and choose which polarity is worst value.				

1.4. Test Site Environment

Test Item	Items	Required (IEC 60068-1)	Actual
Conducted Emission	Temperature (°C)	15-35	26
	Humidity (%RH)	25-75	60
	Barometric pressure (mbar)	860-1060	950
Radiated Emission	Temperature (°C)	15-35	26
	Humidity (%RH)	25-75	60
	Barometric pressure (mbar)	860-1060	950



2 EUT Description

Applicant	Reliance Communications LLC 555 Wireless Blvd, Hauppauge, New York, 11788, United States			
Manufacturer	Unimaxcomm Room 602, Building-B, Shenzhen Software Park T3, Hi-Tech Park South, Nan Shan District, Shenzhen, China			
Product Type	GSM/CDMA/WCDMA/LTE mobile phone			
Trade Name	Orbic			
Model Number	RC555L			
IMEI No.	358924080001802			
Highest Operating Frequency	5825MHz			
Component List				
Adapter	Trade Name	Orbic	Model Number	RC555L
	I/P: 100-240VAC, 50/60Hz, 0.5A			
	O/P: DC 5V, 2A or DC 9V, 2A			
Battery	Trade Name	Orbic	Model Number	RC555L
	3.8 VDC, 3000mAh			

I/O Port Description :

I/O Port Types	Q'TY	Test Description
1). USB Port	1	Connected to AC adapter
2). Audio Port	1	Connected to Earphone & Microphone

3 Test Methodology

3.1. Decision of Test Mode

3.1.1. The following test mode(s) were scanned during the preliminary test:

Pre-Test Mode		
EMI	CE	Mode 1: IDLE mode Mode 2: Video Play + GSM 1900 / Bluetooth / Wi-Fi / GPS link + USB Cable 1_KOAR (White) with AC adapter mode Mode 3: Camera (Front) + CDMA (BC0) / Bluetooth / Wi-Fi / GPS link + USB Cable 1_KOAR (White) with AC adapter mode Mode 4: Camera (Rear) + WCDMA Band II / Bluetooth / Wi-Fi / GPS link + USB Cable 1_KOAR (White) with AC adapter mode Mode 5: REC + LTE Band 2/ Bluetooth / Wi-Fi / GPS link + USB Cable 1_KOAR (White) with AC adapter mode Mode 6: Data transmission + USB Cable 1_KOAR (White) with PC mode Mode 7: REC + LTE Band 2 / Bluetooth / Wi-Fi / GPS link + USB Cable 2_Ogle with AC adapter mode
	RE	Mode 1: IDLE mode Mode 2: Video Play + GSM 1900 / Bluetooth / Wi-Fi / GPS link + USB Cable 1_KOAR (White) with AC adapter mode Mode 3: Camera (Front) + CDMA (BC0) / Bluetooth / Wi-Fi / GPS link + USB Cable 1_KOAR (White) with AC adapter mode Mode 4: Camera (Rear) + WCDMA Band II / Bluetooth / Wi-Fi / GPS link + USB Cable 1_KOAR (White) with AC adapter mode Mode 5: REC + LTE Band 2 / Bluetooth / Wi-Fi / GPS link + USB Cable 1_KOAR (White) with AC adapter mode Mode 6: Data transmission + USB Cable 1_KOAR (White) with PC mode Mode 7: REC + LTE Band 2 / Bluetooth / Wi-Fi / GPS link+ USB Cable 2_Ogle with AC adapter mode Mode 8: REC + LTE Band 2 / Bluetooth / Wi-Fi / GPS link

3.1.2. After the preliminary scan, the following test mode was final mode and found to produce the highest emission level.

Final Test Mode			
Emission	Conducted Emission		Mode 5
	Radiated Emission	Below 1GHz	Mode 5
		Above 1GHz	Mode 5

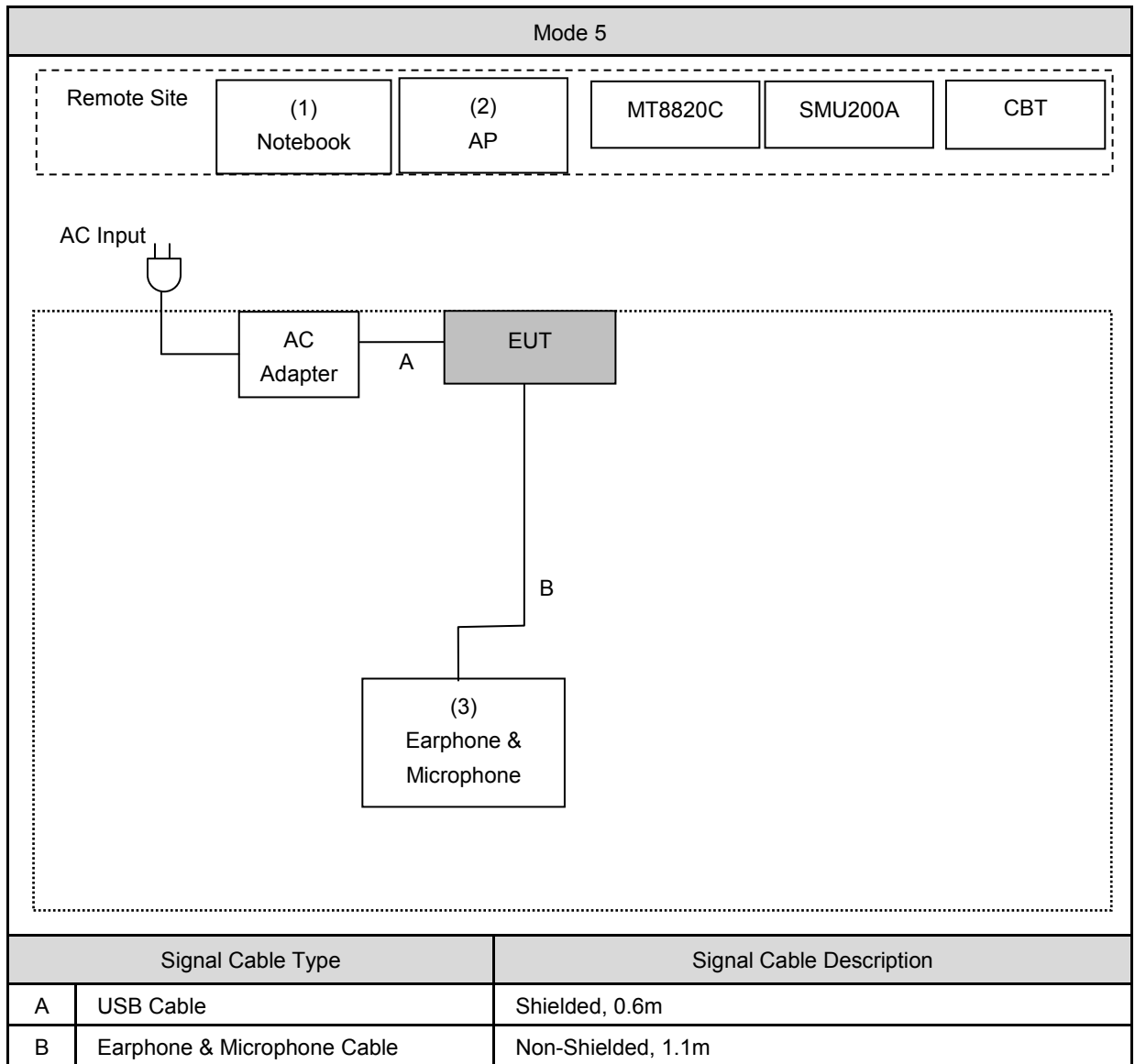
The above highest emission mode of the configuration of the EUT and cable was chosen for all final test items.

3.2. EUT Exercise Software

1	Setup the EUT and simulators as shown on 3.3.
2	Turn on the power of all equipment.
3	The EUT link to (CBT) by Bluetooth function.
4	The EUT link to (SMU200A) by GPS function.
5	The EUT link to (MT8820C) by LTE function.
6	Activate Wi-Fi function, the EUT link to Notebook with AP.
7	Start to test get the worst reading.

Measurement Software			
No.	Description	Software	Version
1	Conducted Emission	EZ EMC	ATL-ITC-3A1-1
2	Radiated Emission _ Below 1GHz	EZ EMC	ATL-03A1-1
3	Radiated Emission _ Above 1GHz	EZ EMC	ATL-03A1

3.3. Configuration of Test System Details



Devices Description					
	Product	Manufacturer	Model Number	Serial Number	Power Cord
(1)	Notebook	DELL	LAPTITU	25627158361	R33002
(2)	AP	ASUS	MSQ-RTAC66U	D1AGG00126	R33005
(3)	Earphone & Microphone	SUN-YES	ROCK 911	N/A	N/A



3.4. Test Instruments

Conducted Emission test site					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Test Receiver	R&S	ESCI	100367	05/18/2017	1 year
LISN	R&S	ENV216	101040	04/01/2017	1 year
LISN	R&S	ENV216	101041	03/15/2017	1 year
Radio Communication Analyzer	Anritsu	MT8820C	6201060962	12/05/2016	1 year
Bluetooth Tester	R&S	CBT	100350	04/06/2017	2 years
Signal Generator	R&S	SMU200A	102598	04/24/2017	1 year
Test Site	ATL	TE02	TE02	N.C.R.	----

10 Meter Chamber					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Amplifier	EMCI	EMC9135	980298	02/09/2017	1 year
Amplifier	EMCI	EMC9135	980299	02/17/2017	1 year
Test Receiver	R&S	ESCI	100722	10/28/2016	1 year
Test Receiver	R&S	ESCI	101000	12/12/2016	1 year
Broadband Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB 9168	670	02/13/2017	1 year
Broadband Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB 9168	671	03/01/2017	1 year
Radio Communication Analyzer	Anritsu	MT8820C	6201060962	12/05/2016	1 year
Bluetooth Tester	R&S	CBT	100350	04/06/2017	2 years
Signal Generator	R&S	SMU200A	102598	04/24/2017	1 year
Test Site	ATL	TE06	TE06	10/30/2016	1 year

Note: N.C.R. = No Calibration Request.



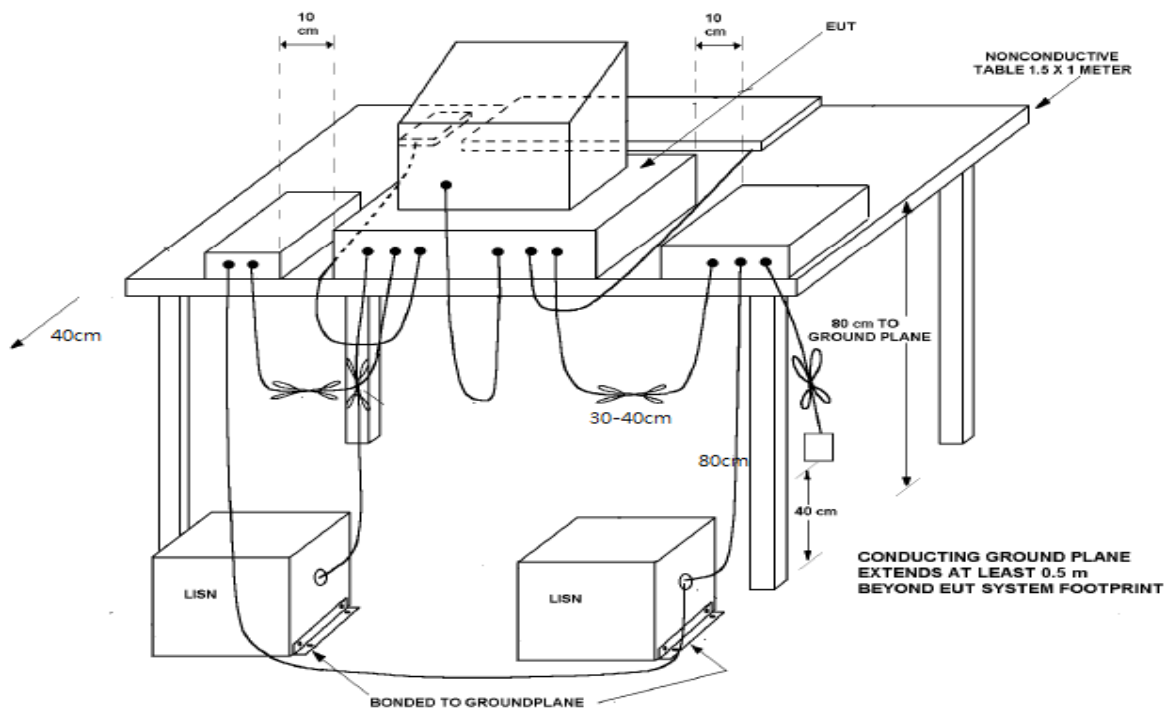
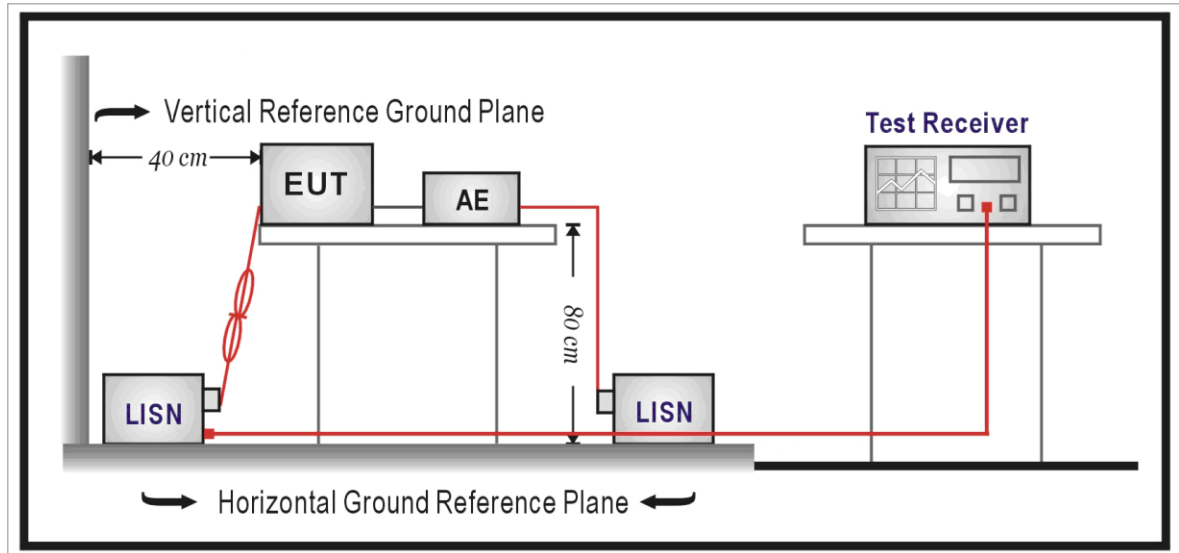
3 Meter Chamber (966B)					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/24/2017	1 year
Pre Amplifier	Agilent	8447D	2944A11120	12/21/2016	1 year
Amplifier	Agilent	8449B	3008A02237	10/11/2016	1 year
Pre Amplifier	EMCI	EMC012645SE	980289	01/17/2017	1 year
Pre Amplifier	EMCI	EMC2654045	980028	08/20/2017	1 year
RF Pre-selector	Agilent	N9039A	MY46520255	05/24/2017	1 year
Double Ridged Horn Antenna (1~18GHz)	ETS	3117	00152321	10/12/2016	1 year
Horn Antenna (18~40GHz)	ETS	3116	00086467	09/12/2016	1 year
Broadband Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB 9168	419	11/03/2016	1 year
Radio Communication Analyzer	Anritsu	MT8820C	6201060962	12/05/2016	1 year
Bluetooth Tester	R&S	CBT	100350	04/06/2017	2 years
Signal Generator	R&S	SMU200A	102598	04/24/2017	1 year
Test Site	ATL	TE09	TE09	04/21/2017	1 year

Note: N.C.R. = No Calibration Request.

4 Measurement Procedure

4.1. Conducted Emission

■ Test Setup



■ Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a $50\Omega // 50\mu\text{H}$ coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a $50\Omega // 50\mu\text{H}$ coupling impedance with 50ohm termination.

Tabletop device shall be placed on a non-conducting platform, of nominal size 1 m by 1.5 m, raised 80 cm above the reference ground plane. The wall of screened room shall be located 40cm to the rear of the EUT. Other surfaces of tabletop or floor standing EUT shall be at least 80cm from any other ground conducting surface including one or more LISNs. For floor-standing device shall be placed under the EUT with a 12mm insulating material.

Conducted emissions were investigated over the frequency range from 0.15 MHz to 30 MHz using a resolution bandwidth of 9 kHz. The equipment under test (EUT) shall be meet the limits in section 4.1.1, as applicable, including the average limit and the quasi-peak limit when using respectively, an average detector and quasi-peak detector measured in accordance with the methods described of related standard. When all of peak value were complied with quasi-peak and average limit from 150kHz to 30MHz then quasi-peak and average measurement was unnecessary.

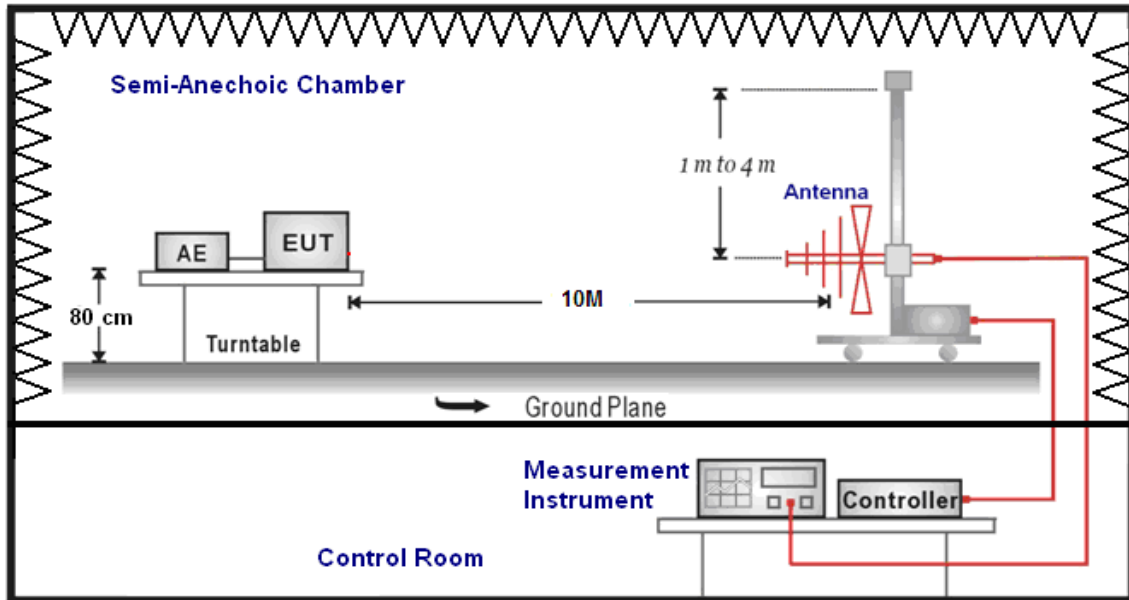
The AMN shall be placed 0,8 m from the boundary of the unit under test and bonded to a ground reference plane for AMNs mounted on top of the ground reference plane. This distance is between the closest points of the AMN and the EUT. All other units of the EUT and associated equipment shall be at least 0,8 m from the AMN. If the mains power cable is longer than 1m then the cable shall be folded back and forth at the centre of the lead to form a bundle no longer than 0.4m. All of interconnecting cables that hang closer than 40cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long. All of EUT and AE shall be separate place more than 0.1m. All 50 Ω ports of the LISN shall be resistively terminated into 50 Ω loads when not connected to the measuring instrument.

If the reading of the measuring receiver shows fluctuations close to the limit, the reading shall be observed for at least 15 s at each measurement frequency; the higher reading shall be recorded with the exception of any brief isolated high reading which shall be ignored.

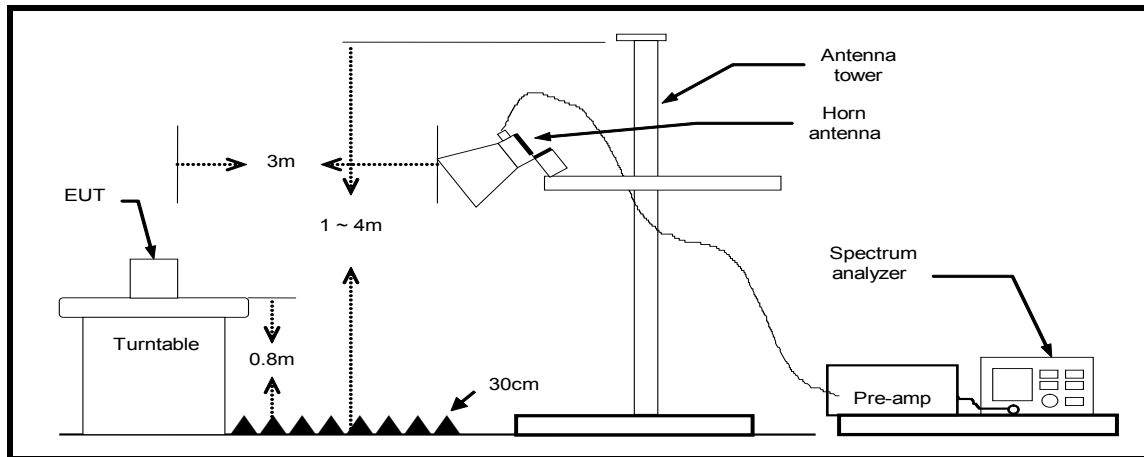
4.2. Radiated Emission

■ Test Setup

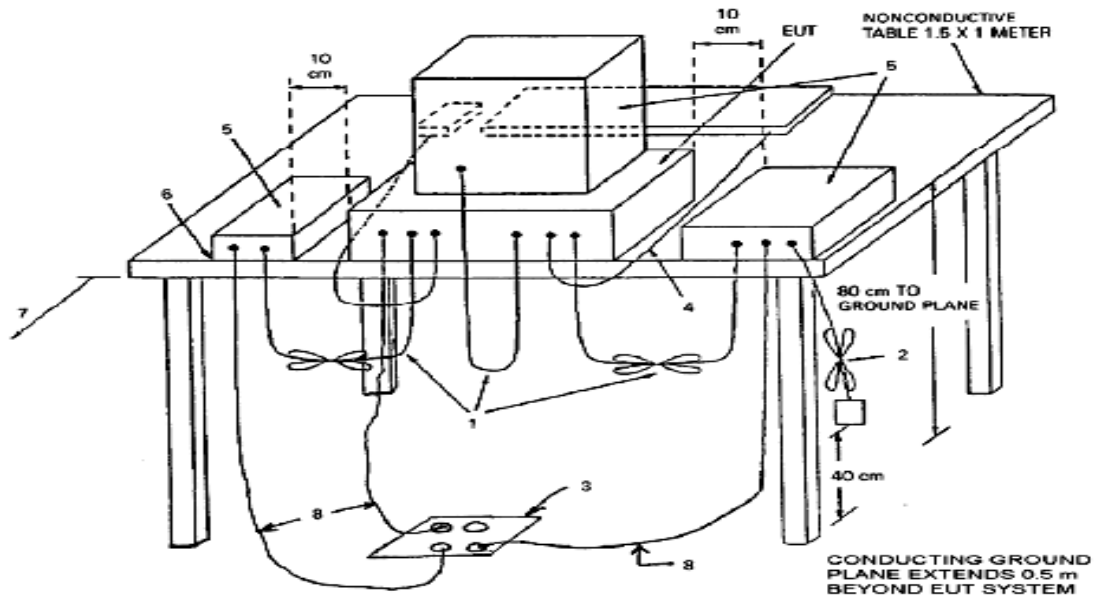
Below 1GHz



Above 1GHz



Test arrangement for radiated emissions of tabletop equipment.



■ Test Procedure

Below 1GHz

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. When the EUT is floor-standing equipment, it is placed on the ground plane which has a 12 mm non-conductive covering to insulate the EUT from the ground plane.

The turn table is 0.8m height and 2.0m wide x 1.0m deep size. It can rotate 360 degrees to determine the position of the maximum emission level. The spacing between the each equipment was 10cm. The mains cables are dropped to floor and are round to receptacle. Interconnecting cables of table top equipment that hang closer than 0.4m to the ground plane are folded back and forth forming a bundle 0.3m to 0.4m long, hanging approximately in the middle between ground plane and table. The EUT was positioned such that the distance from antenna to the EUT was 10 meters and the receive antenna was moved from 1m to 4m to investigate maximum highest emission at least 6 points over the frequency range from 30MHz to 1GHz using a resolution bandwidth of 120 kHz and measured by the quasi-peak detector.

According to this standard paragraph 15.109, as an alternative to the radiated emission limits, digital devices may be shown to comply with the standards contained in Third Edition of the International Special Committee on Radio Interference (CISPR), Pub. 22, "Information Technology Equipment - Radio Disturbance Characteristics - Limits and Methods of Measurement".

Above 1GHz

The Setup is same as Below 1GHz placement. The turn table is 0.8m height and 1.8m wide x 1.0m deep size.

The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meter for above 1GHz, the highest frequency performed according to internal source frequency of the EUT, the specification was below:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705 - 108	1000
108 - 500	2000
500 - 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

Absorber shall be spread between floor of a turn table and a receive antenna shown in 4.2.3. The antenna used boresight antenna meter from 1 meter and 4 meters to find out the maximum emission level and find the highest emission at least 6 points. Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated on radiated measurement.

Radiated emissions were applied to above 1GHz using a resolution bandwidth of 1MHz and measured by the peak and average detector which antenna to the EUT distance was 3meters. If the EUT was meet both limits and measurement with the average detector receiver is unnecessary.

5 Test Results

5.1. Conducted Emission

■ Limit

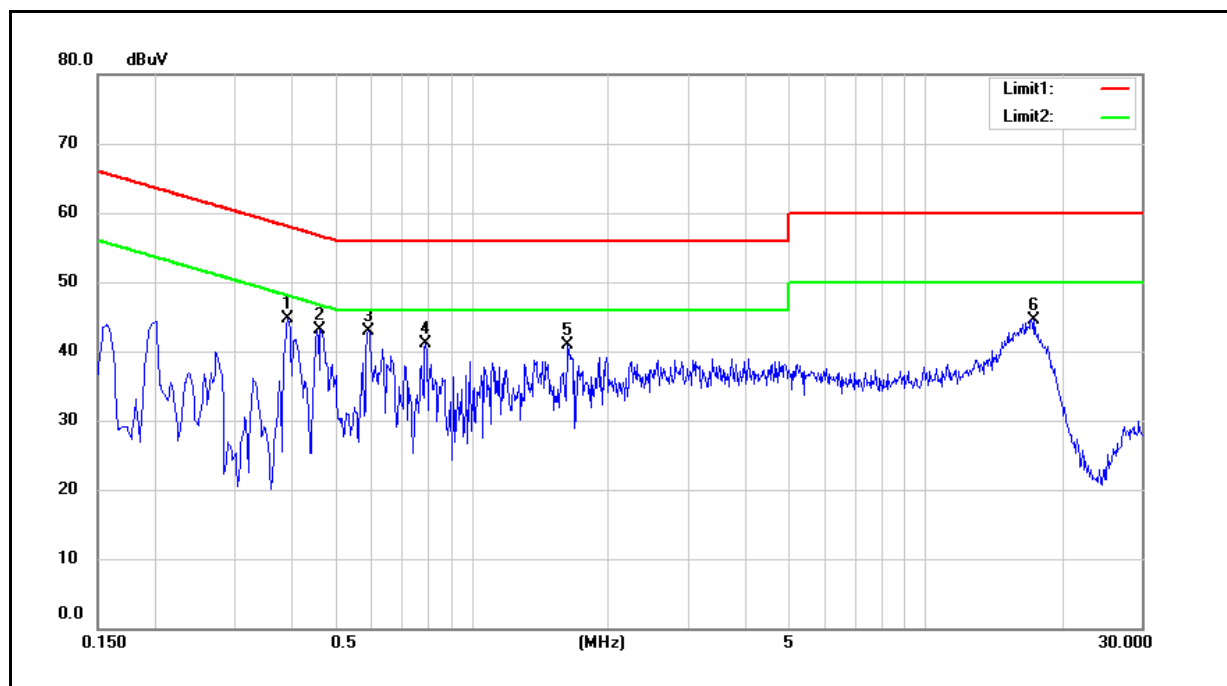
Frequency (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

Note: (1) The lower limit shall apply at the transition frequencies.

(2) The limit decreases in line with the logarithm of the frequency in the range 0.15 to 0.50 MHz.

Test Result

Test Standard:	FCC Part 15B	Power Line:	L1
Test Mode:	Mode 5	Test Power:	AC 120V/60Hz
Description:			

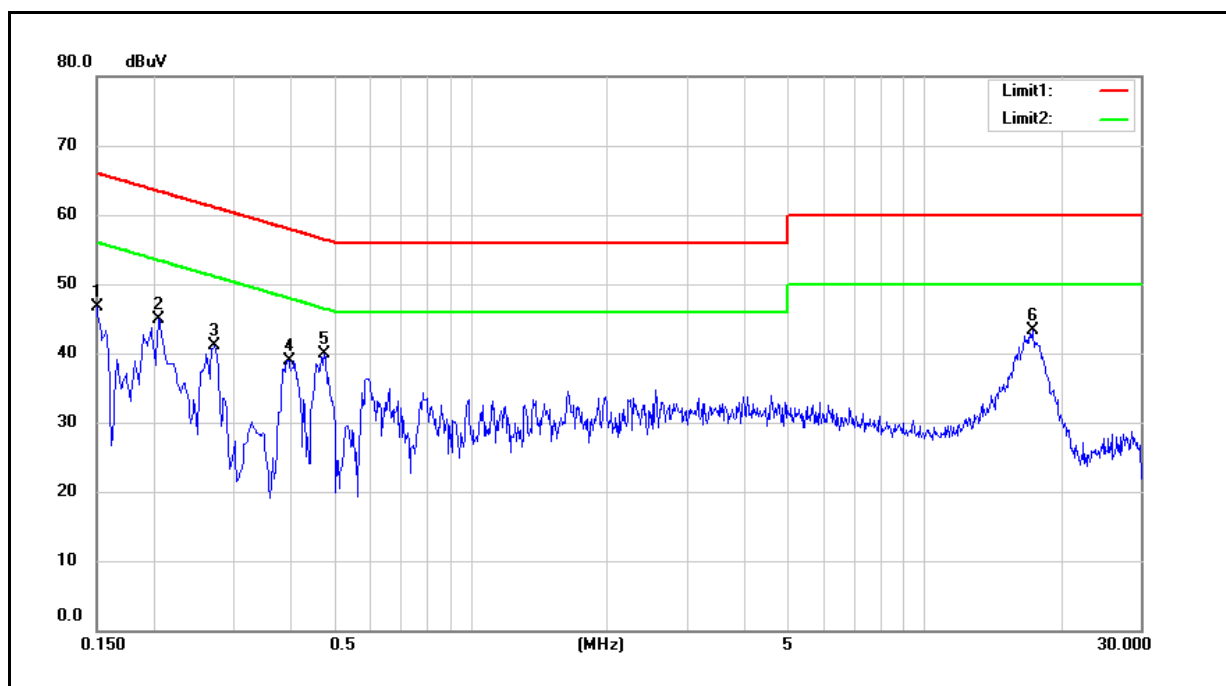


No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.3940	32.75	22.56	9.65	42.40	32.21	57.98	47.98	-15.58	-15.77	Pass
2	0.4660	31.12	21.96	9.67	40.79	31.63	56.58	46.58	-15.79	-14.95	Pass
3	0.5940	29.73	17.95	9.68	39.41	27.63	56.00	46.00	-16.59	-18.37	Pass
4	0.7940	28.10	16.99	9.69	37.79	26.68	56.00	46.00	-18.21	-19.32	Pass
5	1.6340	24.71	12.25	9.73	34.44	21.98	56.00	46.00	-21.56	-24.02	Pass
6	17.4660	27.47	18.47	10.20	37.67	28.67	60.00	50.00	-22.33	-21.33	Pass

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

Test Standard:	FCC Part 15B	Power Line:	N
Test Mode:	Mode 5	Test Power:	AC 120V/60Hz
Description:			



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1500	31.16	12.13	9.62	40.78	21.75	66.00	56.00	-25.22	-34.25	Pass
2	0.2060	31.57	16.75	9.64	41.21	26.39	63.37	53.37	-22.16	-26.98	Pass
3	0.2740	27.47	13.15	9.65	37.12	22.80	61.00	51.00	-23.88	-28.20	Pass
4	0.3980	27.49	18.54	9.65	37.14	28.19	57.90	47.90	-20.76	-19.71	Pass
5	0.4780	25.80	15.96	9.66	35.46	25.62	56.37	46.37	-20.91	-20.75	Pass
6	17.3660	26.13	14.43	10.22	36.35	24.65	60.00	50.00	-23.65	-25.35	Pass

Note: 1. Result (dBuV) = Correction factor (dB) + Reading(dBuV).

2. Correction factor (dB) = Cable loss (dB) + L.I.S.N. factor (dB).

5.2. Radiated Emission

■ Limit

Under 1GHz test shall not exceed following value

FCC 47 CFR PART 15 SUBPART B				
Frequency range (MHz)	Class A		Class B	
	Distance (m)	dBuV/m	Distance (m)	dBuV/m
30 to 88	10	39	3	40
88 to 216	10	43.5	3	43.5
216 to 960	10	46.4	3	46
Above 960	10	49.5	3	54

CISPR 22				
Frequency range (MHz)	Class A		Class B	
	Distance (m)	dBuV/m	Distance (m)	dBuV/m
30 to 230	10	40	10	30
230 to 1000	10	47	10	37

Above 1GHz test shall not exceed following value

Frequency (MHz)	dBuV/m (Distance 3m)			
	Class A		Class B	
	Average	Peak	Average	Peak
1000 ~ 40000	60	80	54	74

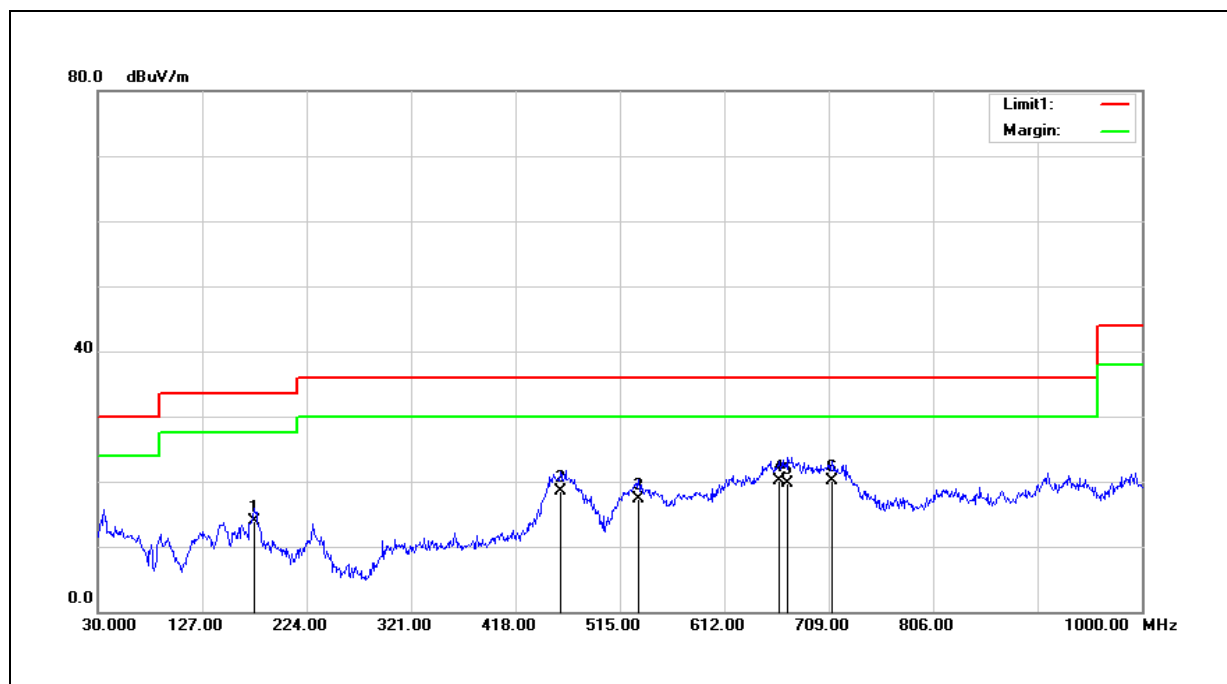
- Remark:
1. The tighter limit shall apply at the edge between two frequency bands.
 2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
 3. RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)
 4. Peak detector limit is corresponding to 20 dB above the maximum permitted average limit.

According to FCC Part 15.33 (b), for an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

Highest frequency generated or used in the device or in which the device operated or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.75	30
1.75-108	1000
108-500	2000
500-1000	5000
Above 1000	5th harmonic of the highest frequency or 40GHz, whichever is lower

■ Test Result

Test Standard:	FCC Part 15B	Test Distance:	10m
Test Mode:	Mode 5	Test Power:	AC 120V/60Hz
Measurement Range:	30MHz~1GHz	Ant.Polar.:	Horizontal

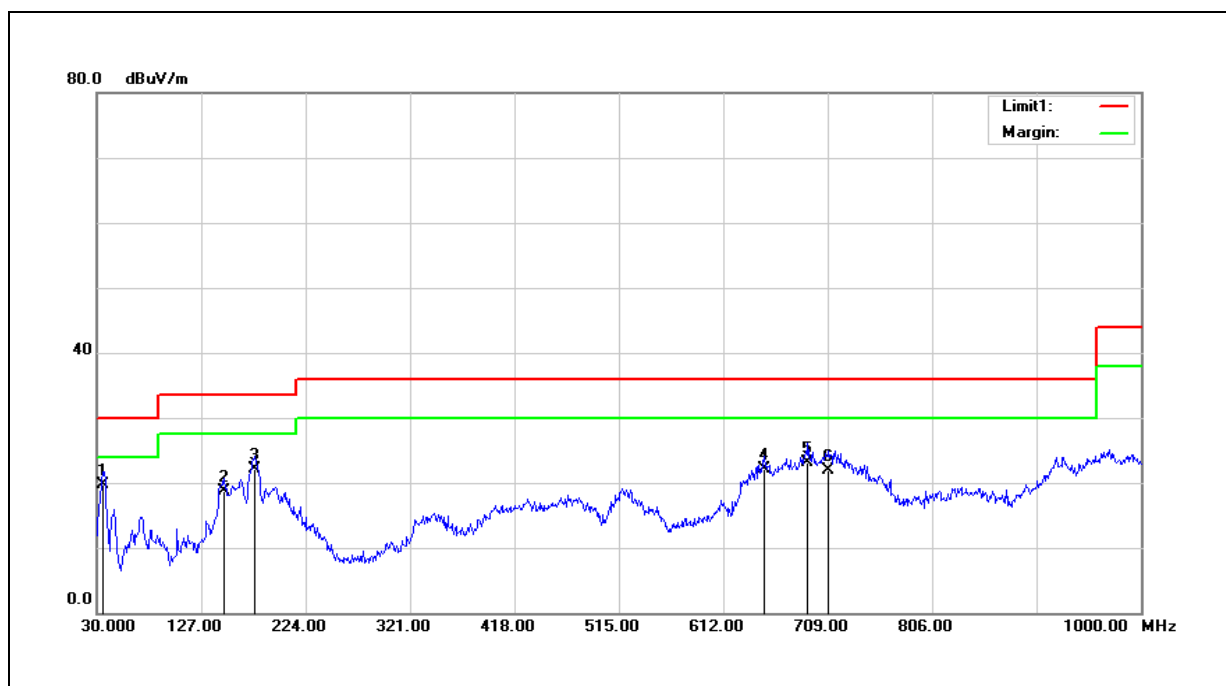


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)	Remark
1	175.5000	31.99	-18.09	13.90	33.50	-19.60	100	312	QP
2	459.7100	25.46	-6.89	18.57	36.00	-17.43	200	51	QP
3	532.4600	26.09	-8.84	17.25	36.00	-18.75	200	254	QP
4	663.4100	25.47	-5.34	20.13	36.00	-15.87	100	11	QP
5	671.1700	24.49	-4.86	19.63	36.00	-16.37	100	182	QP
6	711.9100	25.56	-5.44	20.12	36.00	-15.88	103	360	QP

Note: 1. Result (dBuV/m) = Correction factor (dB/m) + Reading(dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

Test Standard:	FCC Part 15B	Test Distance:	10m
Test Mode:	Mode 5	Test Power:	AC 120V/60Hz
Measurement Range:	30MHz~1GHz	Ant.Polar.:	Vertical

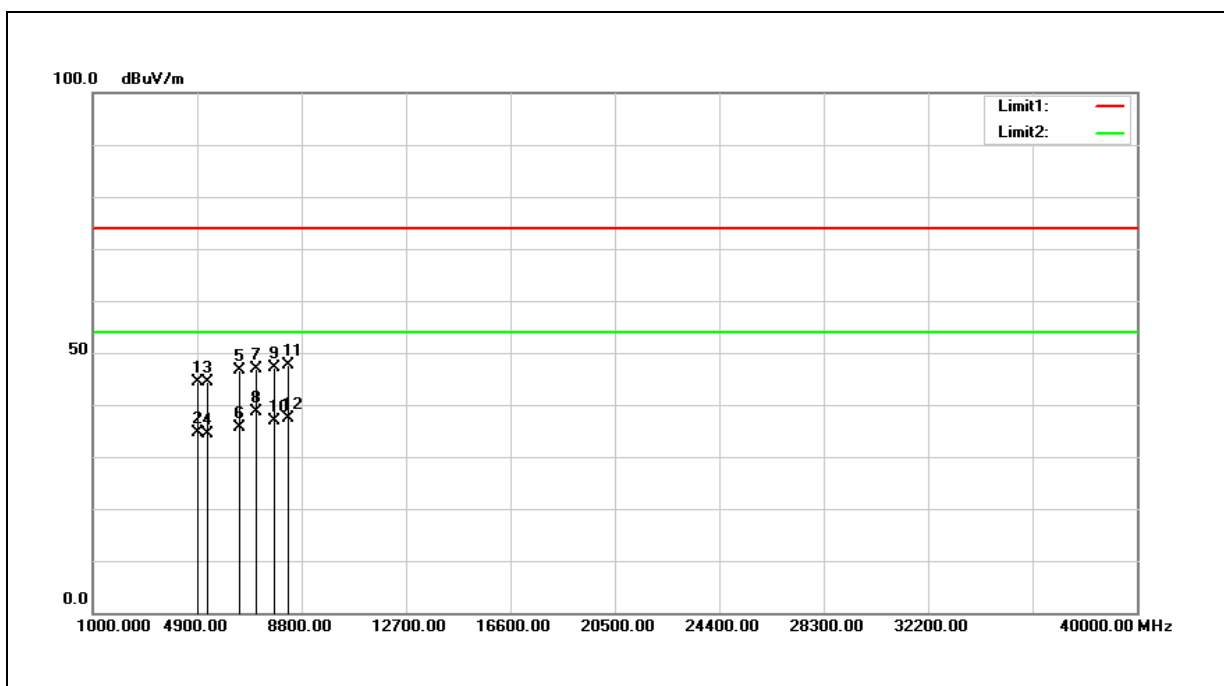


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)	Remark
1	35.8200	44.09	-24.31	19.78	30.00	-10.22	101	360	QP
2	148.3400	35.95	-17.15	18.80	33.50	-14.70	100	313	QP
3	176.4700	38.48	-16.33	22.15	33.50	-11.35	100	329	QP
4	649.8300	27.32	-5.18	22.14	36.00	-13.86	100	48	QP
5	690.5700	26.44	-3.38	23.06	36.00	-12.94	200	283	QP
6	709.9700	25.10	-3.18	21.92	36.00	-14.08	100	357	QP

Note: 1. Result (dBuV/m) = Correction factor (dB/m) + Reading(dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

Test Standard:	FCC Part 15B	Test Distance:	3m
Test Mode:	Mode 5	Test Power:	AC 120V/60Hz
Measurement Range:	1GHz~40GHz	Ant.Polar.:	Horizontal

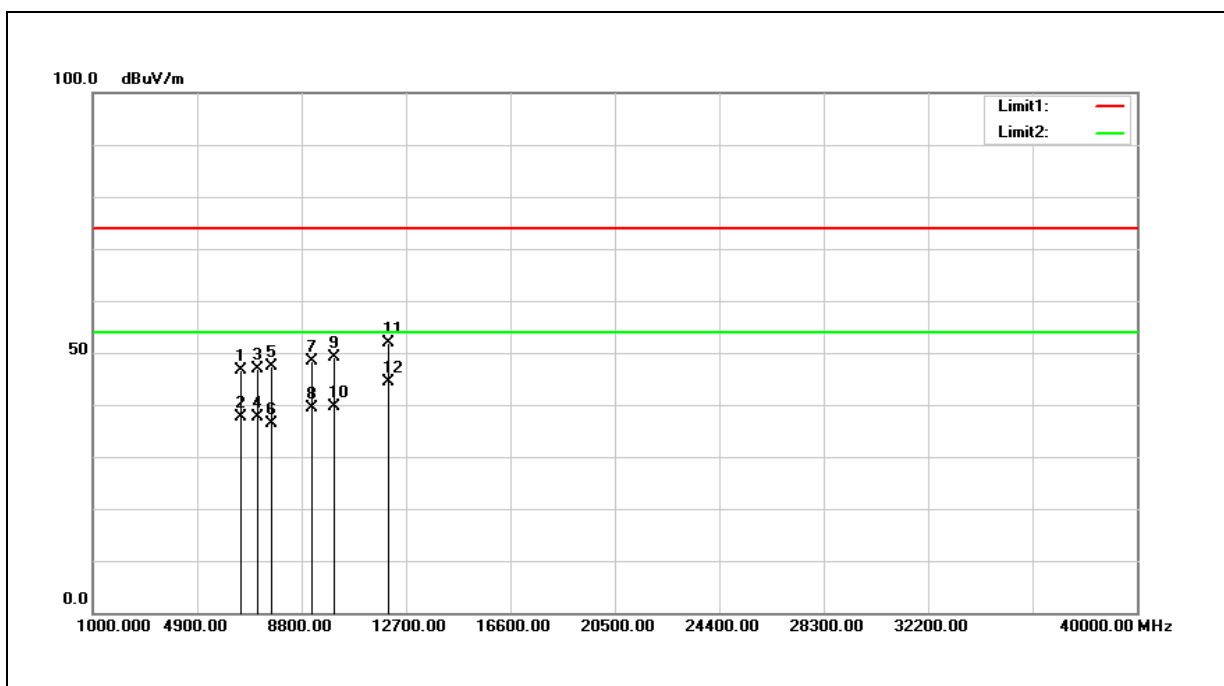


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)	Remark
1	4900.000	51.94	-7.49	44.45	74.00	-29.55	165	360	peak
2	4900.000	42.14	-7.49	34.65	54.00	-19.35	165	360	AVG
3	5290.000	51.48	-7.19	44.29	74.00	-29.71	200	37	peak
4	5290.000	41.57	-7.19	34.38	54.00	-19.62	200	37	AVG
5	6460.000	51.57	-5.02	46.55	74.00	-27.45	100	265	peak
6	6460.000	40.55	-5.02	35.53	54.00	-18.47	100	265	AVG
7	7084.000	51.18	-4.38	46.80	74.00	-27.20	100	7	peak
8	7084.000	42.89	-4.38	38.51	54.00	-15.49	100	7	AVG
9	7786.000	50.30	-3.24	47.06	74.00	-26.94	200	300	peak
10	7786.000	40.10	-3.24	36.86	54.00	-17.14	200	300	AVG
11	8293.000	50.04	-2.35	47.69	74.00	-26.31	200	348	peak
12	8293.000	39.84	-2.35	37.49	54.00	-16.51	200	348	AVG

Note: 1. Result (dBuV/m) = Correction factor (dB/m) + Reading(dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).

Test Standard:	FCC Part 15B	Test Distance:	3m
Test Mode:	Mode 5	Test Power:	AC 120V/60Hz
Measurement Range:	1GHz~40GHz	Ant.Polar.:	Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)	Remark
1	6538.000	51.41	-4.85	46.56	74.00	-27.44	100	96	peak
2	6538.000	42.56	-4.85	37.71	54.00	-16.29	100	96	AVG
3	7162.000	50.99	-4.23	46.76	74.00	-27.24	200	146	peak
4	7162.000	41.77	-4.23	37.54	54.00	-16.46	200	146	AVG
5	7669.000	50.91	-3.47	47.44	74.00	-26.56	200	0	peak
6	7669.000	39.87	-3.47	36.40	54.00	-17.60	200	0	AVG
7	9190.000	48.29	-0.02	48.27	74.00	-25.73	100	281	peak
8	9190.000	39.45	-0.02	39.43	54.00	-14.57	100	281	AVG
9	10009.000	47.84	1.18	49.02	74.00	-24.98	100	120	peak
10	10009.000	38.41	1.18	39.59	54.00	-14.41	100	120	AVG
11	12037.000	13.37	38.53	51.90	74.00	-22.10	100	23	peak
12	12037.000	5.75	38.53	44.28	54.00	-9.72	100	23	AVG

Note: 1. Result (dBuV/m) = Correction factor (dB/m) + Reading(dBuV).

2. Correction factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) – Pre-Amplifier gain (dB).