TEST REPORT

Application No.:	BTEK240909003AE
Applicant:	Shenzhen Charmast Technology Co.,Ltd.
Address of Applicant:	Room 10F-A10A,Shenmao Business Center,59Xinwen Road,Meiling Community,Lianhua Street,Futian District,Shenzhen 518000
Manufacturer:	Dongguan Utopia-Originality Technology Co.,Ltd.
Address of Manufacturer:	NO.2,moushan Road,Chang'an Town, Dongguan City, Guangdong Province
Equipment Under Test (EUT):	
EUT Name:	Power Bank
Test Model.:	C10
Adding Model(s):	/
Trade Mark:	charmast
FCC ID:	2BKWS-C10
Standard(s) :	47 CFR Part 15 Subpart C
Date of Receipt:	2024-09-10
Date of Test:	2024-09-11 to 2024-09-23
Date of Issue:	2024-09-24
Test Result:	**Pass***

* In the configuration tested, the EUT complied with the standards specified above.

Lion Cai/ Approved & Authorized
EMC Laboratory Manager

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
V0		*2024-09-24*		*Original*

Authorized for issue by:				
		Zora Huang **Zora Huang /Project Engineer**		
		June Li **June Li /Reviewer**		

Remarks:
The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Test Summary

Item	Document Title
47 CFR Part 15, Subpart C	Intentional Radiators
ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

Item	Standard	Result
Antenna Requirements	15.203	Pass
20dB Occupied Bandwidth	15.215c	Pass
AC Power Line Conducted Emissions	15.207	Pass
Spurious Emissions	15.209	Pass

Note:

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

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3 General Information

3.1 Details of E.U.T.

Power Supply	Model: C10 Capacity:10000mAh(3.85V/38.5Wh) Type-C Input:5V⎓3.0A 9⎓2.0A 12V⎓1.5A Type-C Output:5V⎓3.0A 9V⎓2.22A 12V⎓1.67A Type-C Cable Input:5V⎓3.0A 9V⎓2.0A 12⎓1.5A Type-C Cable Output:5V⎓3.0A 9V⎓2.22A 12V⎓1.67A Lightning Cable Output:5V⎓2.4A 9V⎓2.22A Wireless Charging Output:5W/7.5W/10W/15W Wireless Charging Output (for Apple Watch): 2.5W
Modulation Type	FSK
Operating frequency	Wireless Charging:112-205KHz Apple Watch Wireless Charging: 325KHz
Antenna Type	Induction Coil Antenna
Hardware Version	V1.2
Software Version	V1.2
Sample number	BTEK240909001AE-01
Remark: The information in this section is provided by the applicant or manufacturer, BANTEK is not liable to the accuracy, suitability, reliability or/and integrity of the information.	

3.2 Description of EUT Test Mode

Test Mode List		
Test Mode	Description	Remark
1	Type-C Input:12V⎓1.5A+ Wireless output:5W/7.5W/10W/15W Load 1%	Keep the EUT Wireless output:15W worst case
2	Type-C Input:12V⎓1.5A+ Wireless output:5W/7.5W/10W/15W Load 50%	Keep the EUT Wireless output:15W worst case
3	Type-C Input:12V⎓1.5A+ Wireless output:5W/7.5W/10W/15W Load 99%	Keep the EUT Wireless output:15W worst case
4	Wireless output:5W/7.5W/10W/15W Load 1%	Keep the EUT Wireless output:15W worst case
5	Wireless output:5W/7.5W/10W/15W Load 50%	Keep the EUT Wireless output:15W worst case
6	Wireless output:5W/7.5W/10W/15W Load 99%	Keep the EUT Wireless output:15W worst case
7	Type-C Input:12V⎓1.5A+ Apple Watch Wireless output:2.5W Load 1%	Keep the EUT Apple Watch Wireless output:2.5W
8	Type-C Input:12V⎓1.5A+ Apple Watch Wireless output:2.5W Load 50%	Keep the EUT Apple Watch Wireless output:2.5W
9	Type-C Input:12V⎓1.5A+ Apple Watch Wireless output:2.5W Load 99%	Keep the EUT Apple Watch Wireless output:2.5W
10	Apple Watch Wireless output:2.5W Load 1%	Keep the EUT Apple Watch Wireless output:2.5W
11	Apple Watch Wireless output:2.5W Load 50%	Keep the EUT Apple Watch Wireless output:2.5W
12	Apple Watch Wireless output:2.5W Load 99%	Keep the EUT Apple Watch Wireless output:2.5W
Remark:1.Only show the worst case load 1% in the test report		

3.3 Description of Support Units

Auxiliary Equipment			
Description	Manufacturer	Model	Serial Number
WPC charging load	EESON	2S	/

3.4 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2 and TR100 028-1/-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Measurement	Value
Occupied Channel Bandwidth	69 KHz
RF output power, conducted	0.87 dB
Power Spectral Density, conducted	0.69 dB
Unwanted Emissions, conducted	0.94 dB
All emissions, radiated(<1GHz)	4.12 dB
All emissions, radiated(>1GHz)	4.16 dB
Temperature	0.82 °C
Humidity	4.1 %

3.5 Test Location

All tests were performed at:

Shenzhen BANTEK Testing Co., Ltd.

A5&A6, Building B1&B2, No.45 Gangtou Road, Bogang Community, Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Tel: +86 0755-2334 4200 Fax: +86 0755-2334 4200

FCC Registration Number: 264293

Designation Number: CN1356

No tests were sub-contracted.

3.6 Deviation from Standards

None

3.7 Abnormalities from Standard Conditions

None

4 Equipment List

RF Conducted					
Equipment	Manufacturer	Model No	Serial No	Cal Date	Cal Due Date
Shielding Room	YIHENG ENECTRONIC	5.5*3.1*3	YH-BT-220304-03	2022-03-03	2025-03-02
EXA Signal Analyzer	KEYSIGHT	N9020A	MY54230486	2024-06-11	2025-06-10
DC Power Supply	E3632A	E3642A	KR75304416	2024-06-11	2025-06-10
Attenuator	RswTech	SMA-JK-6dB	N/A	2024-06-11	2025-06-10
Attenuator	RswTech	SMA-JK-3dB	N/A	2024-06-11	2025-06-10
RF Control Unit	Techy	TR1029-1	N/A	2024-06-11	2025-06-10
RF Sensor Unit	Techy	TR1029-2	N/A	2024-06-11	2025-06-10
MXG Vector Signal Generator	Agilent	N5182A	US46240522	2024-06-11	2025-06-10
Programmable Temperature&Humidity Chamber	GRT	GR-HWX1000	GR22051001	2024-06-11	2025-06-10
Measurement Software	TACHOY	RF TestSoft	N/A	N/A	N/A

Radiated Method Test					
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
3m Semi-Anechoic Chamber	YIHENG ENECTRONIC	966	YH-BT-220304-01	2022-05-06	2025-05-05
EMI Test Receiver	Rohde&Schwarz	ESCI	100694	2024-06-11	2025-06-10
TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	01324	2024-06-16	2025-06-15
Pre-Amplifier	Schwarzbeck	BBV 9745	#180	2024-06-11	2025-06-10
Loop Antenna	ETS	6502	00201177	2024-06-15	2025-06-14
Measurement Software	Fara	EZ_EMC Ver. FA-03A2	N/A	N/A	N/A

Conducted Test					
Description	**Manufacturer**	**Model**	**Serial No.**	**Cal. Date**	**Cal. Due**
Shielding Room	YIHENG ENECTRONIC	9*5*3.3	YH-BT-220304-04	2022-03-03	2025-03-02
EMI Test Receiver	Rohde&Schwarz	ESCI	101021	2024-06-11	2025-06-10
Measurement Software	Fara	EZ_EMC Ver. FA-03A2	N/A	N/A	N/A
LISN	Rohde&Schwarz	ENV216	101472	2024-06-11	2025-06-10
LISN	Schwarzbeck	NSLK 8128	05127	2024-06-11	2025-06-10
Pulse Limiter	Schwarzbeck	VTSD 9561 F-N	00890	2024-06-11	2025-06-10

5 Radio Spectrum Technical Requirement

5.1 Antenna Requirement

5.1.1 Test Requirement:

Test Requirement FCC §15.203;

5.1.2 Conclusion

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, § 15.213, § 15.217, § 15.219, or § 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with

§ 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

If directional gain of transmitting antennas is greater than 6 dBi, the power shall be reduced by the same level in dB comparing to gain minus 6 dBi. For the fixed point-to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the FCC rule.

The EUT uses an Integral Antenna which in accordance to Section 15.203 is considered sufficient to comply with the provisions of this section.

6 Radio Spectrum Matter Test Results

6.1 20dB Occupied Bandwidth

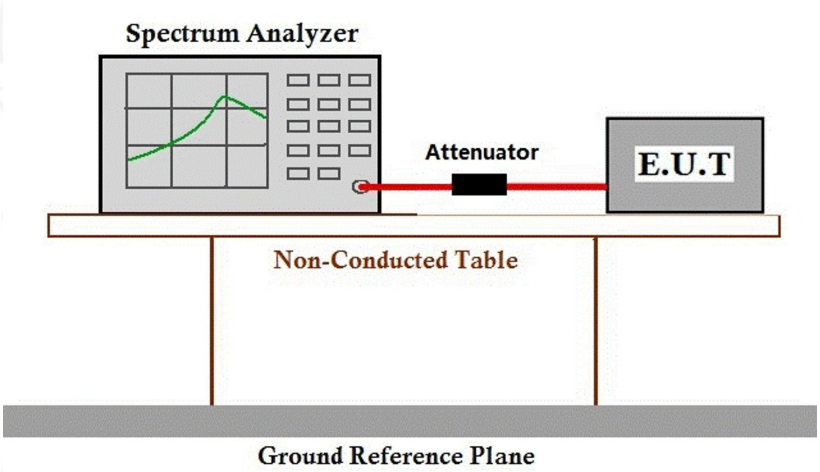
Test Requirement FCC Part 15.215c

6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 25.7 °C Humidity: 53.2 % RH Atmospheric Pressure: 1010 mbar

6.1.2 Test Setup Diagram



6.1.3 Measurement Procedure and Data

cable loss=0.9

1. The transmitter output was connected to the spectrum analyzer through an attenuator, the pathloss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously
3. Use the following spectrum analyzer settings:

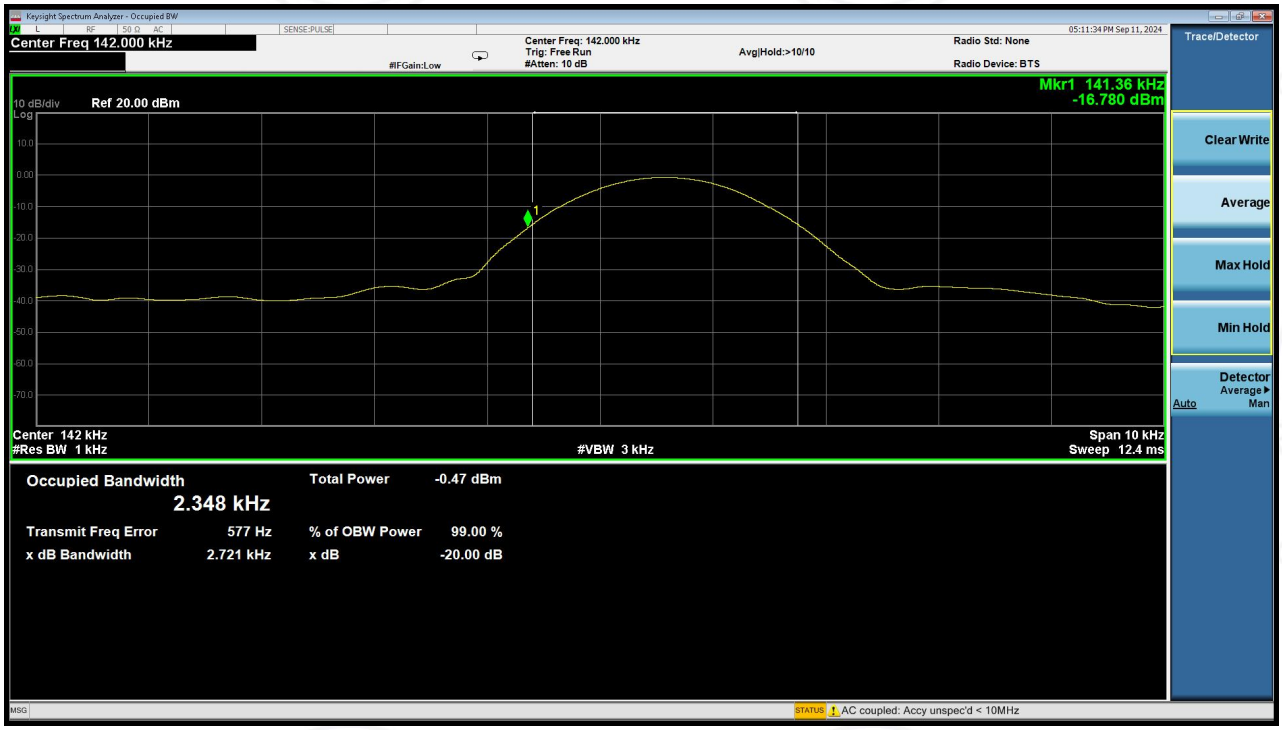
   Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel

   RBW≥1% of the 20 dB bandwidth, VBW ≥ RBW

   Sweep = auto, Detector function = peak, Trace = max hold
4. Measure and record the results in the test report.

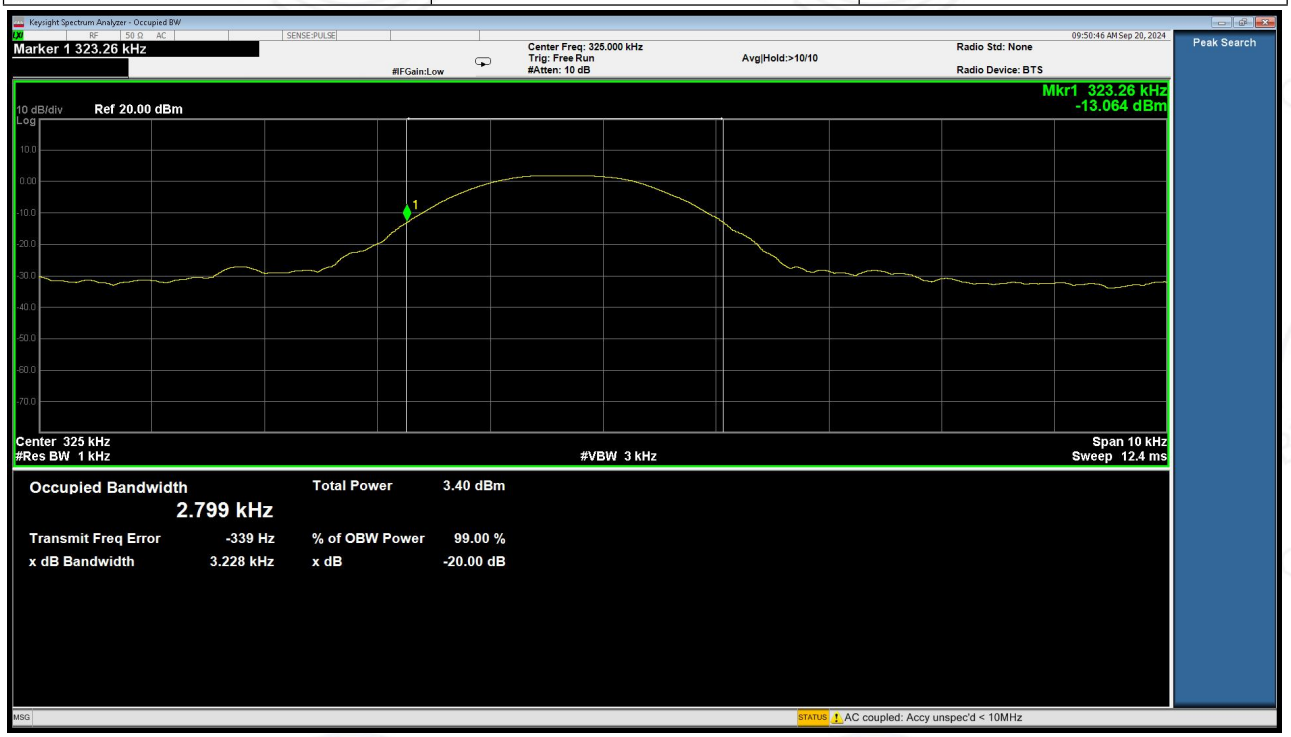
Worst case mode 1

Freq. (kHz)	20 dB bandwidth Result (kHz)	Conclusion
142	2.721	PASS



Worst case mode 7

Freq. (kHz)	20 dB bandwidth Result (kHz)	Conclusion
325	3.228	PASS



6.2 AC Power Line Conducted Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.207

Test Method:

Limit:

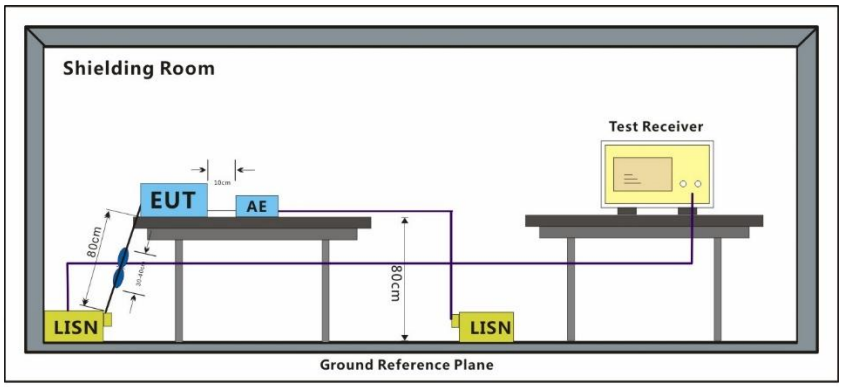
Frequency of emission(MHz)	Conducted limit(dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50
*Decreases with the logarithm of the frequency.		
Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz		

6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 25.7 °C Humidity: 57.2 % RH Atmospheric Pressure: 1010 mbar

6.2.2 Test Setup Diagram



6.2.3 Measurement Procedure and Data

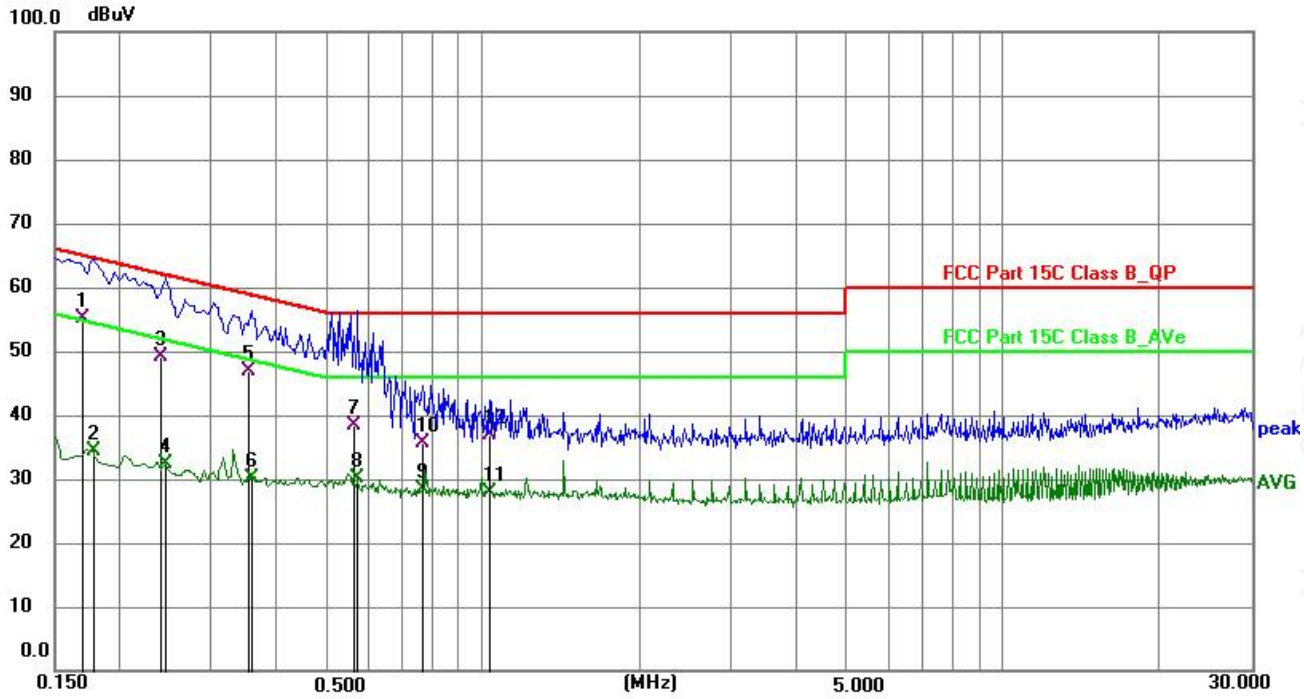
The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.

Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. A device rated for 50/60 Hz operation need not be tested at both frequencies provided the radiated and line conducted emissions are the same at both frequencies.

Remark: LISN=Read Level+ Cable Loss+ LISN Factor

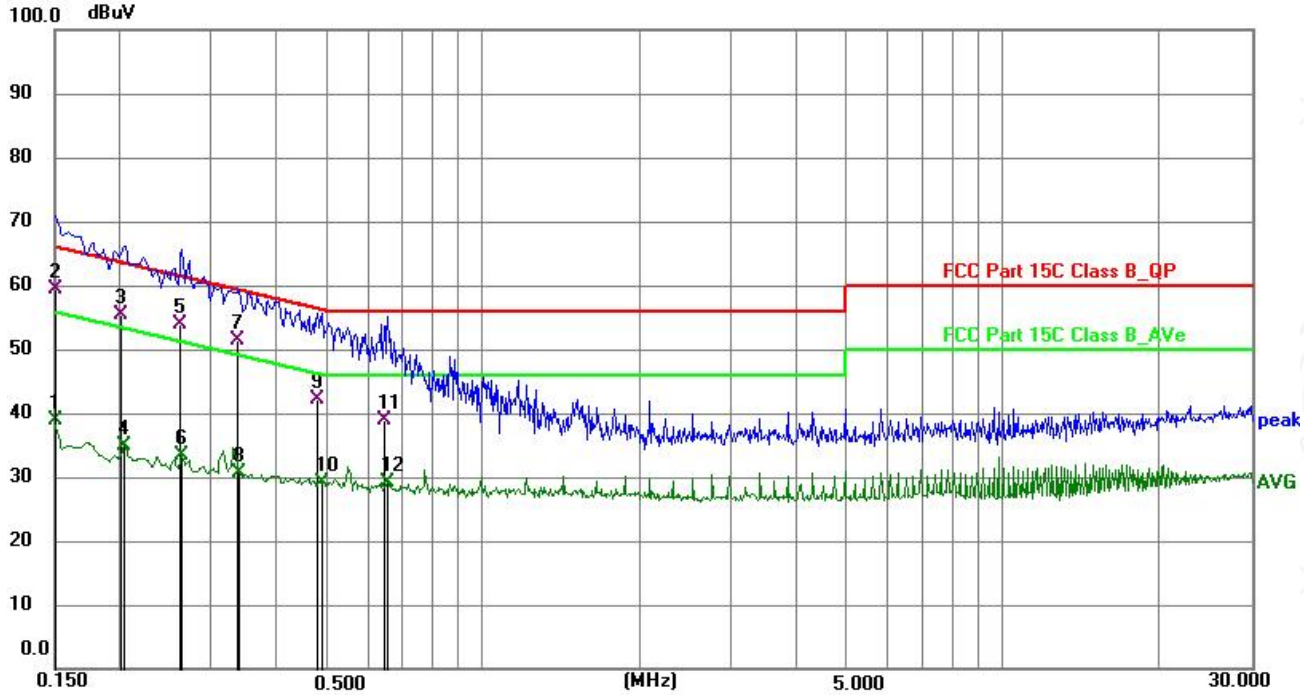
Note:Level (dBuV) = Reading (dBuV) + Factor (dB)

Test mode:	Worst case 1	Polarity:	Neutral



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.1696	35.28	19.79	55.07	64.98	-9.91	QP	P	
2	0.1770	14.52	19.79	34.31	54.63	-20.32	AVG	P	
3	0.2410	29.38	19.81	49.19	62.06	-12.87	QP	P	
4	0.2445	12.60	19.81	32.41	51.94	-19.53	AVG	P	
5	0.3543	27.07	19.83	46.90	58.86	-11.96	QP	P	
6	0.3570	10.34	19.83	30.17	48.80	-18.63	AVG	P	
7	0.5680	18.45	19.87	38.32	56.00	-17.68	QP	P	
8	0.5730	10.31	19.87	30.18	46.00	-15.82	AVG	P	
9	0.7665	8.48	19.93	28.41	46.00	-17.59	AVG	P	
10	0.7667	15.58	19.93	35.51	56.00	-20.49	QP	P	
11	1.0275	7.81	20.02	27.83	46.00	-18.17	AVG	P	
12	1.0311	16.77	20.02	36.79	56.00	-19.21	QP	P	

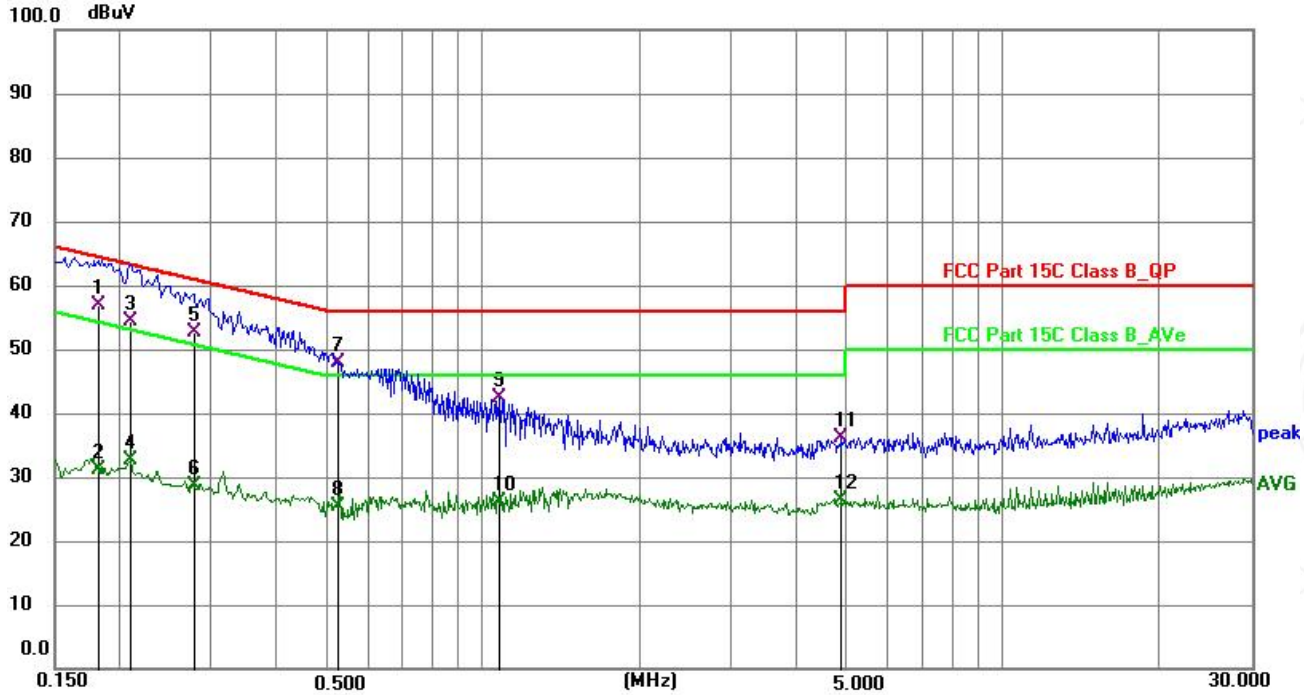
Test mode:	Worst case 1	Polarity:	Line



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	19.06	19.74	38.80	56.00	-17.20	AVG	P	
2 *	0.1512	39.64	19.75	59.39	65.93	-6.54	QP	P	
3	0.2009	35.63	19.80	55.43	63.57	-8.14	QP	P	
4	0.2040	14.97	19.80	34.77	53.45	-18.68	AVG	P	
5	0.2607	34.03	19.81	53.84	61.41	-7.57	QP	P	
6	0.2625	13.47	19.81	33.28	51.35	-18.07	AVG	P	
7	0.3362	31.51	19.82	51.33	59.30	-7.97	QP	P	
8	0.3390	10.87	19.82	30.69	49.23	-18.54	AVG	P	
9	0.4800	22.30	19.84	42.14	56.34	-14.20	QP	P	
10	0.4875	9.34	19.84	29.18	46.21	-17.03	AVG	P	
11	0.6491	19.02	19.89	38.91	56.00	-17.09	QP	P	
12	0.6540	9.24	19.90	29.14	46.00	-16.86	AVG	P	

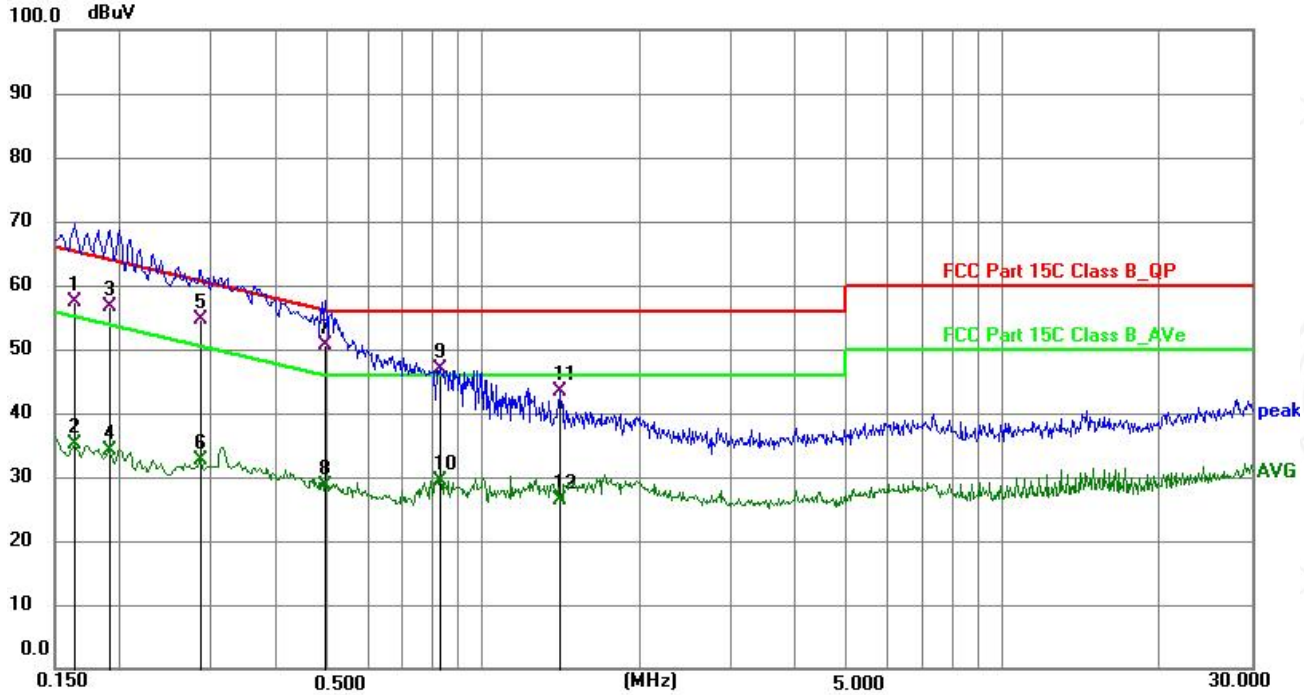
NOTE:
1.Level (dBuV) = Reading (dBuV) + Factor (dB)
2.Factor = Insertion Loss + Cable Loss.
3.Margin = Level – Limit.

Test mode:	Worst case 7	Polarity:	Neutral



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.1814	37.19	19.80	56.99	64.42	-7.43	QP	P	
2	0.1814	11.36	19.80	31.16	54.42	-23.26	AVG	P	
3	0.2084	34.45	19.81	54.26	63.27	-9.01	QP	P	
4	0.2084	12.70	19.81	32.51	53.27	-20.76	AVG	P	
5	0.2760	32.91	19.82	52.73	60.94	-8.21	QP	P	
6	0.2760	8.90	19.82	28.72	50.94	-22.22	AVG	P	
7	0.5233	28.13	19.85	47.98	56.00	-8.02	QP	P	
8	0.5233	5.58	19.85	25.43	46.00	-20.57	AVG	P	
9	1.0725	22.29	20.02	42.31	56.00	-13.69	QP	P	
10	1.0725	5.99	20.02	26.01	46.00	-19.99	AVG	P	
11	4.8883	15.94	20.18	36.12	56.00	-19.88	QP	P	
12	4.8883	6.25	20.18	26.43	46.00	-19.57	AVG	P	

Test mode:	Worst case 7	Polarity:	Line



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1635	37.74	19.76	57.50	65.28	-7.78	QP	P	
2	0.1635	15.44	19.76	35.20	55.28	-20.08	AVG	P	
3	0.1905	36.78	19.79	56.57	64.01	-7.44	QP	P	
4	0.1905	14.29	19.79	34.08	54.01	-19.93	AVG	P	
5	0.2850	34.84	19.82	54.66	60.67	-6.01	QP	P	
6	0.2850	12.80	19.82	32.62	50.67	-18.05	AVG	P	
7 *	0.4964	30.71	19.84	50.55	56.06	-5.51	QP	P	
8	0.4964	8.71	19.84	28.55	46.06	-17.51	AVG	P	
9	0.8295	26.85	19.95	46.80	56.00	-9.20	QP	P	
10	0.8295	9.32	19.95	29.27	46.00	-16.73	AVG	P	
11	1.4053	23.23	20.04	43.27	56.00	-12.73	QP	P	
12	1.4053	6.42	20.04	26.46	46.00	-19.54	AVG	P	

6.3 Radiated Spurious Emissions

Test Requirement FCC §15.209

Test Method:

Limit:

Radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a). According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

FCC Part 15.209				
Frequency (MHz)	Field Strength Limitation		Field Strength Limitation Frequency tion at 3m Measurement Dist	
	(uV/m)	Dist	(uV/m)	(dBuV/m)
0.009 – 0.490	2400 / F(KHz)	300m	10000 * 2400/F(KHz)	20log 2400/F(KHz) + 80
0.490 – 1.705	24000 / F(KHz)	30m	100 * 24000/F(KHz)	20log 24000/F(KHz) + 40
1.705 – 30.00	30	30m	100* 30	20log 30 + 40
30.0 – 88.0	100	3m	100	20log 100
88.0 – 216.0	150	3m	150	20log 150
216.0 – 960.0	200	3m	200	20log 200
Above 960.0	500	3m	500	20log 500

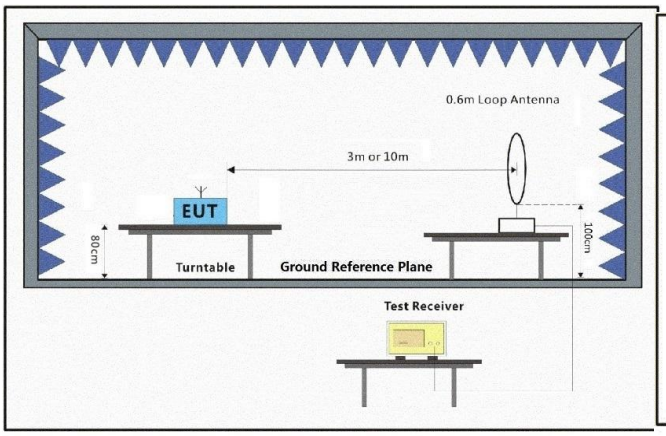
Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

6.3.1 E.U.T. Operation

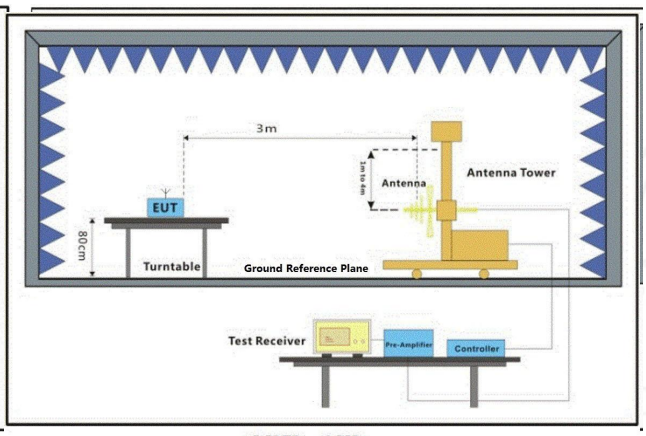
Operating Environment:

Temperature: 25.3 °C Humidity: 57.4 % RH Atmospheric Pressure: 1010 mbar

6.3.2 Test Setup Diagram



9KHz~30MHz



30MHz-1GHz

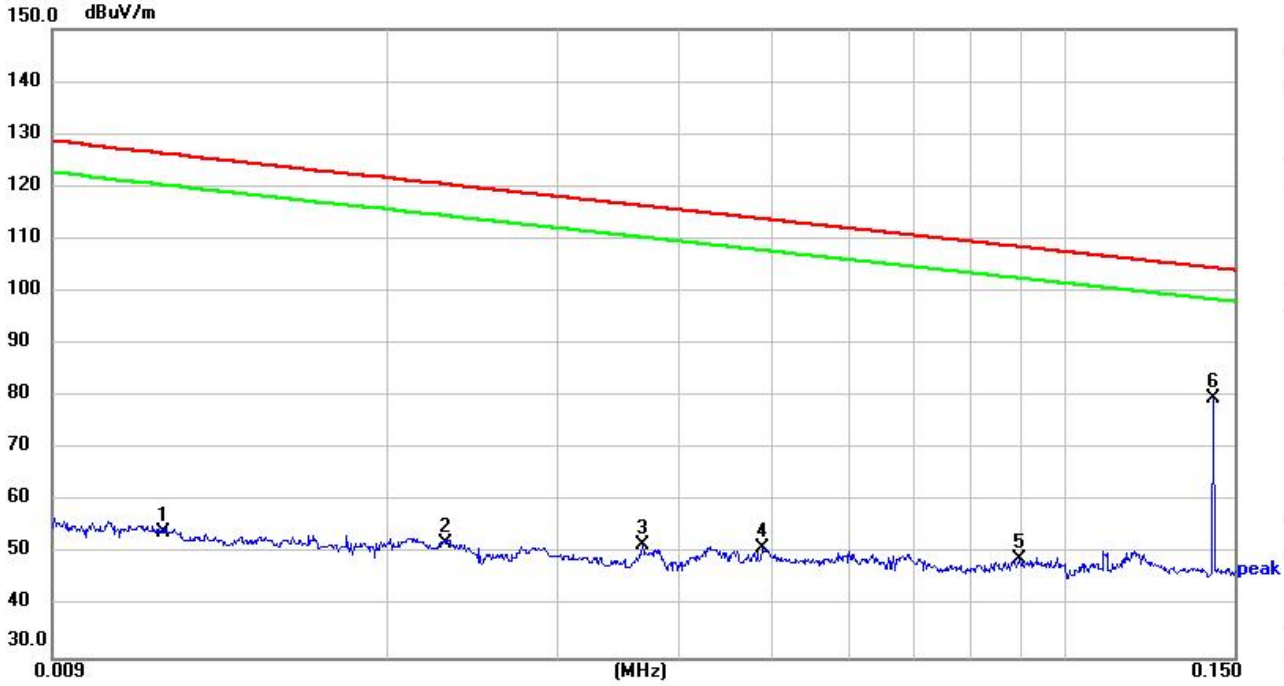
6.3.3 Measurement Procedure and Data

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on a antenna tower. The antenna can move up and down between 1 to 4 meters to find out the maximum emission level. Broadband antenna (calibrated by dipole antenna) are used as a receiving antenna. Both horizontal and vertical polarization of the antenna are set on measurement.

9 kHz ~ 30 MHz

Below 1GHz

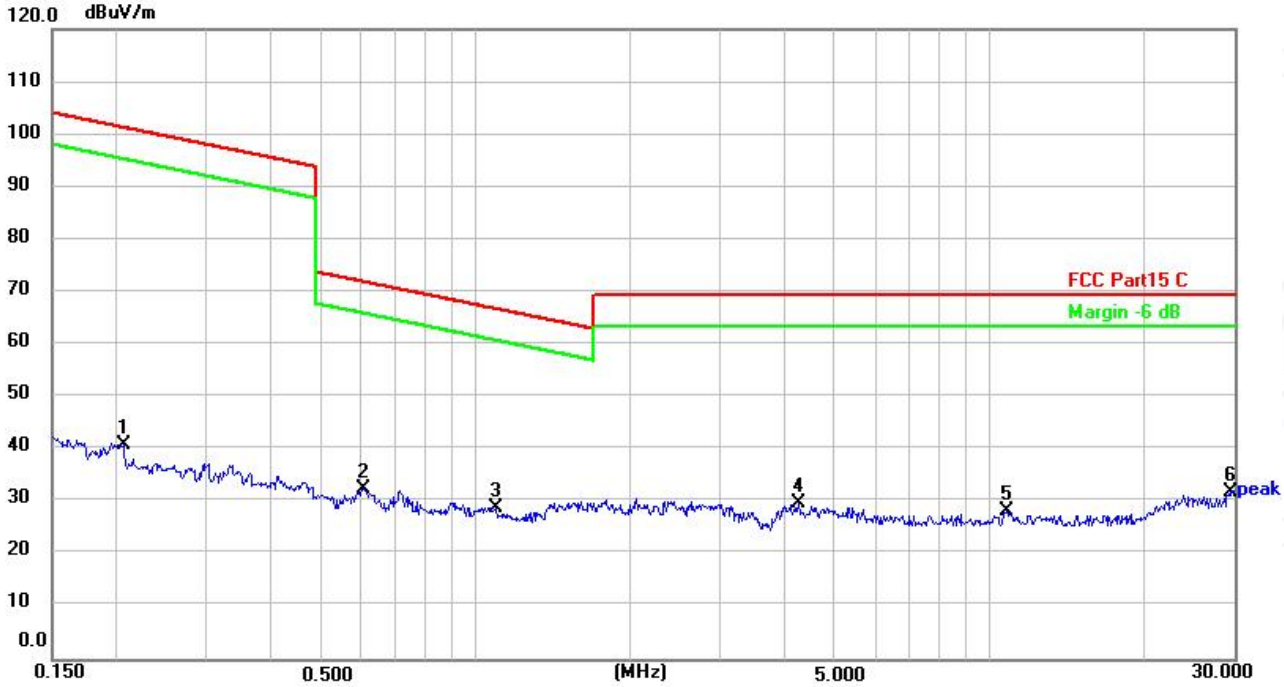
Test mode:	Worst case 1	Polarity:	X



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0117	84.62	-30.33	54.29	126.24	-71.95	peak
2	0.0230	82.61	-30.42	52.19	120.37	-68.18	peak
3	0.0366	82.38	-30.54	51.84	116.33	-64.49	peak
4	0.0488	81.76	-30.67	51.09	113.84	-62.75	peak
5	0.0898	80.06	-31.11	48.95	108.54	-59.59	peak
6 *	0.1423	110.69	-31.18	79.51	104.54	-25.03	peak

Below 1GHz

Test mode:	Worst case 1	Polarity:	X



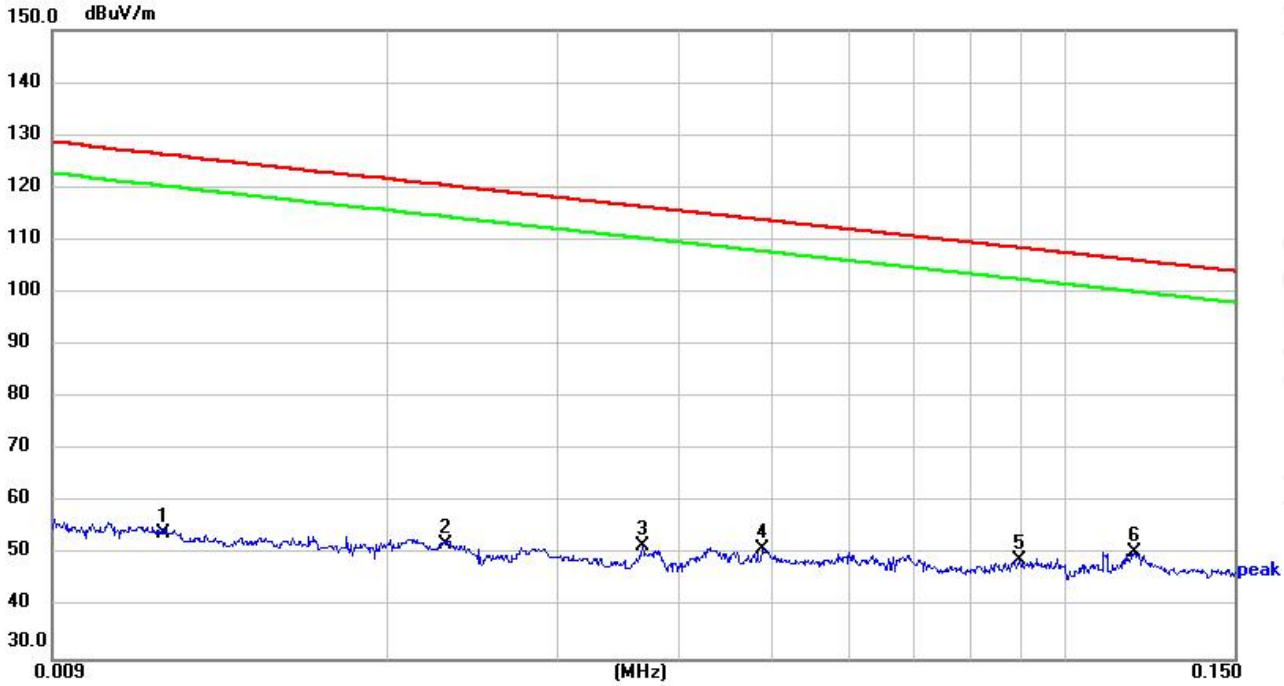
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.2061	72.03	-31.15	40.88	101.32	-60.44	peak
2	0.6040	63.60	-31.01	32.59	71.98	-39.39	peak
3	1.0938	59.68	-30.82	28.86	66.83	-37.97	peak
4	4.2465	60.56	-30.84	29.72	69.54	-39.82	peak
5	10.7900	59.04	-30.63	28.41	69.54	-41.13	peak
6 *	29.3704	62.63	-30.55	32.08	69.54	-37.46	peak

Note:
1). Level(dBuV/m)=Reading(dBuV)+Factor(dB/m)
2). Factor(dB/m)=Antenna Factor(dB/m)+Cable loss(dB)-Pre Amplifier gain(dB)
3). Margin(dB)=Limit(dBuV/m)-Level(dBuV/m)
4). This EUT was tested in 3 orthogonal positions and the worst case position data was reported.
5).Pre-scan coaxial and coplanar polar, only show the worst case coaxial in the test report.

9 kHz ~ 30 MHz

Below 1GHz

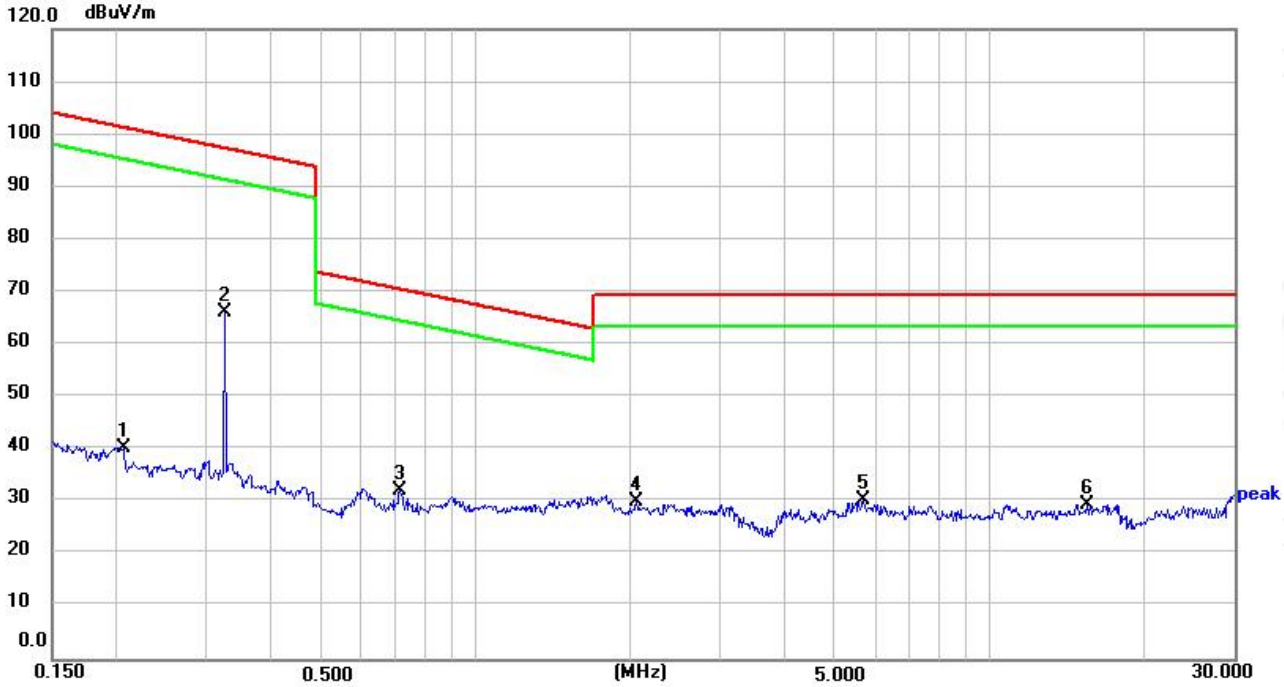
Test mode:	Worst case 7	Polarity:	X



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0117	84.62	-30.33	54.29	126.24	-71.95	peak
2	0.0230	82.61	-30.42	52.19	120.37	-68.18	peak
3	0.0366	82.38	-30.54	51.84	116.33	-64.49	peak
4	0.0488	81.76	-30.67	51.09	113.84	-62.75	peak
5	0.0898	80.06	-31.11	48.95	108.54	-59.59	peak
6 *	0.1180	81.61	-31.20	50.41	106.17	-55.76	peak

Below 1GHz

Test mode:	Worst case 7	Polarity:	X

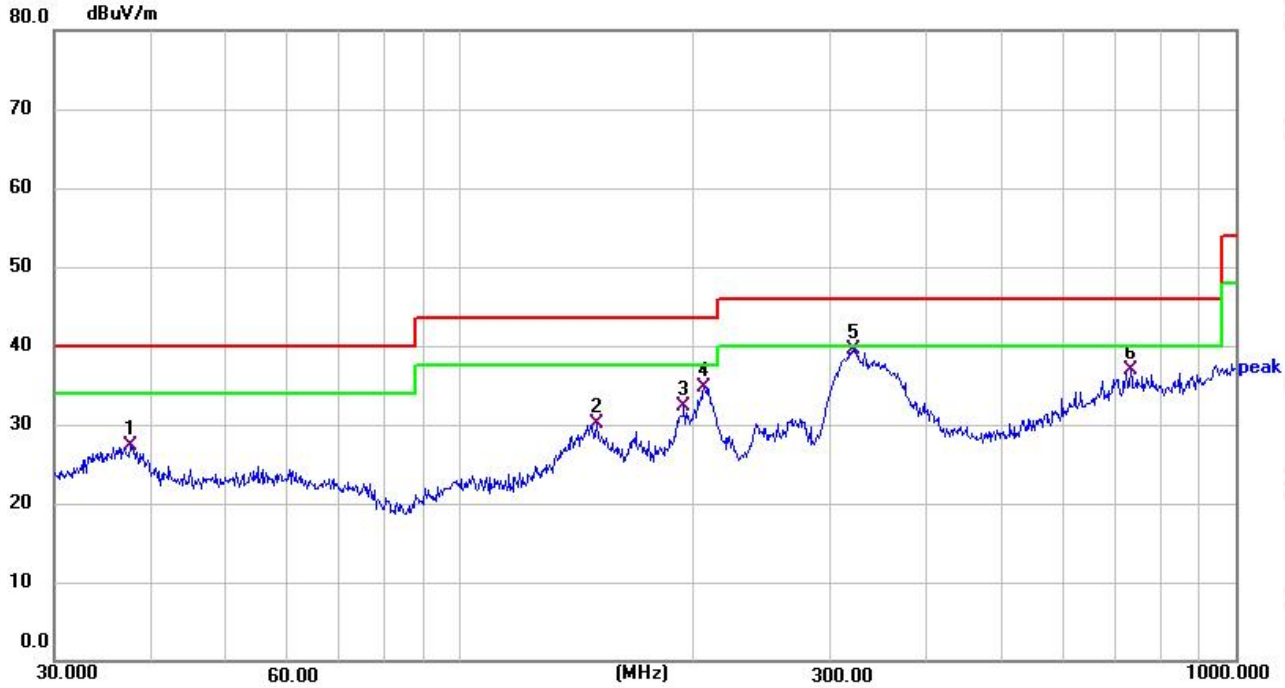


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.2061	71.53	-31.15	40.38	101.32	-60.94	peak
2 *	0.3251	97.28	-31.11	66.17	97.36	-31.19	peak
3	0.7120	63.10	-30.96	32.14	70.55	-38.41	peak
4	2.0550	61.00	-30.83	30.17	69.54	-39.37	peak
5	5.6832	61.33	-30.81	30.52	69.54	-39.02	peak
6	15.4700	60.17	-30.62	29.55	69.54	-39.99	peak

Note:
1). Level(dBuV/m)=Reading(dBuV)+Factor(dB/m)
2). Factor(dB/m)=Antenna Factor(dB/m)+Cable loss(dB)-Pre Amplifier gain(dB)
3). Margin(dB)=Limit(dBuV/m)-Level(dBuV/m)
4). This EUT was tested in 3 orthogonal positions and the worst case position data was reported.
5).Pre-scan coaxial and coplanar polar, only show the worst case coaxial in the test report.

Below 1GHz

Test mode:	Worst case 1	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	37.6798	44.36	-17.13	27.23	40.00	-12.77	QP	100	0	P	
2	150.0108	46.88	-16.76	30.12	43.50	-13.38	QP	100	0	P	
3	194.4534	53.67	-21.32	32.35	43.50	-11.15	QP	100	0	P	
4	206.3976	55.93	-21.20	34.73	43.50	-8.77	QP	100	0	P	
5 *	321.0608	56.50	-17.01	39.49	46.00	-6.51	QP	100	0	P	
6	731.9203	45.81	-8.96	36.85	46.00	-9.15	QP	100	0	P	

Test mode:	Worst case 1	Polarity:	Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	37.2855	53.38	-17.18	36.20	40.00	-3.80	QP	100	360	P	
2	74.9191	51.91	-20.95	30.96	40.00	-9.04	QP	100	360	P	
3	145.3506	49.99	-17.12	32.87	43.50	-10.63	QP	100	360	P	
4	208.5803	54.82	-21.17	33.65	43.50	-9.85	QP	100	360	P	
5	345.5952	49.69	-16.55	33.14	46.00	-12.86	QP	100	360	P	
6	734.4913	45.44	-8.96	36.48	46.00	-9.52	QP	100	360	P	

NOTE:
1.Level (dBuV/m) = Reading (dBuV) + Factor (dB/m)
The reading level is calculated by software which is not shown in the sheet
2.Factor = Antenna Factor+ Cable Loss-Preamp Factor
3.Margin = Level – Limit.

Test mode:	Worst case 7	Polarity:	Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	38.0783	43.26	-17.09	26.17	40.00	-13.83	QP	100	0	P
2	52.9453	43.86	-17.74	26.12	40.00	-13.88	QP	100	0	P
3	137.4202	46.77	-17.63	29.14	43.50	-14.36	QP	100	0	P
4	285.9778	54.03	-18.10	35.93	46.00	-10.07	QP	100	0	P
5 *	319.9370	56.40	-17.01	39.39	46.00	-6.61	QP	100	0	P
6	807.4291	45.41	-8.83	36.58	46.00	-9.42	QP	100	0	P

Test mode:	Worst case 7	Polarity:	Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	36.5092	46.31	-17.31	29.00	40.00	-11.00	QP	100	360	P
2	39.4371	46.27	-16.95	29.32	40.00	-10.68	QP	100	360	P
3	83.5222	53.00	-22.23	30.77	40.00	-9.23	QP	100	360	P
4 *	135.9822	56.73	-17.77	38.96	43.50	-4.54	QP	100	360	P
5	321.0608	53.86	-17.01	36.85	46.00	-9.15	QP	100	360	P
6	724.2611	45.66	-9.07	36.59	46.00	-9.41	QP	100	360	P

NOTE:
1.Level (dBuV/m) = Reading (dBuV) + Factor (dB/m)
The reading level is calculated by software which is not shown in the sheet
2.Factor = Antenna Factor+ Cable Loss-Preamp Factor
3.Margin = Level – Limit.

7 Test Setup Photo

Please refer to the Appendix test setup Photos.

8 EUT Constructional Details (EUT Photos)

Please refer to the Appendix EUT Photos.

- End of the Report -