

# FCC TEST REPORT

**FCC ID: 2AUAR900MAX**

**Report No.** : SSP24030146-1E

**Applicant** : THINKCAR TECH CO., LTD.

**Product Name** : Professional diagnostic Tool

**Model Name** : DS300

**Test Standard** : FCC Part 15.247

**Date of Issue** : 2024-04-01




**Shenzhen CCUT Quality Technology Co., Ltd.**

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This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen CCUT Quality Technology Co., Ltd.

**Test Report Basic Information**

<b>Applicant</b> .....:	THINKCAR TECH CO., LTD. 2606, building 4, phase II, TiananYungu, Gangtou community, Bantian, Address of Applicant.....: Longgang District, Shenzhen, China
<b>Manufacturer</b> .....:	THINKCAR TECH CO., LTD. 2606, building 4, phase II, TiananYungu, Gangtou community, Bantian, Address of Manufacturer.....: Longgang District, Shenzhen, China
<b>Product Name</b> .....:	Professional diagnostic Tool
<b>Brand Name</b> .....:	ANCEL
<b>Main Model</b> .....:	DS300
<b>Series Models</b> .....:	-
<b>Test Standard</b> .....:	FCC Part 15 Subpart C ANSI C63.4-2014 ANSI C63.10-2013
<b>Date of Test</b> .....	2024-03-22 to 2024-03-30
<b>Test Result</b> .....:	PASS
<b>Tested By</b> .....	<u>Lorzix Luo</u> (Lorzix Luo)
<b>Reviewed By</b> .....:	<u>Lieber Ouyang</u> (Lieber Ouyang)
<b>Authorized Signatory</b> .....	<u>Lahm Peng</u> (Lahm Peng)



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**Revision History**

Revision	Issue Date	Description	Revised By
V1.0	2024-04-01	Initial Release	Lahm Peng

## 1. General Information

### 1.1 Product Information

Product Name:	Professional diagnostic Tool
Trade Name:	ANCEL
Main Model:	DS300
Series Models:	-
Rated Voltage:	DC 3.8V by battery, USB 5V Charging
Battery:	DC 3.8V/23.94Wh
Hardware Version:	V1.0
Software Version:	V1.0
Note 1: The test data is gathered from a production sample, provided by the manufacturer.	

Wireless Specification	
Wireless Standard:	Bluetooth BLE, Bluetooth BR/EDR, 802.11b/g/n
Operating Frequency:	BT: 2402MHz ~ 2480MHz ,2.4G WiFi: 2412MHz ~ 2462MHz for 802.11b/g/n(HT20) 2422MHz ~ 2452MHz for 802.11n(HT40)
Number of Channel:	Bluetooth BLE: 40, Bluetooth BR+EDR: 79, 2.4G WiFi:11/7
Channel Separation:	Bluetooth BLE: 2MHz, Bluetooth BR+EDR: 1MHz, 2.4G WiFi:5MHz
Modulation:	BT: GFSK, Pi/4 DQPSK, 8DPSK, 2.4G WiFi: CCK, OFDM, QPSK, BPSK, 16QAM, 64QAM
Antenna Gain:	0dBi
Type of Antenna:	FPCB Antenna
Type of Device:	<input checked="" type="checkbox"/> Portable Device <input type="checkbox"/> Mobile Device <input type="checkbox"/> Modular Device

## 1.2 Test Setup Information

List of Test Modes			
Test Mode	Description	Remark	
TM1	BLE_1Mbps	2402/2440/2480MHz	
TM2	BR_DH5	2402/2441/2480MHz	
TM3	EDR_2DH5	2402/2441/2480MHz	
TM4	EDR_3DH5	2402/2441/2480MHz	
TM5	802.11b	2412MHz/2437MHz/2462MHz	
TM6	802.11g	2412MHz/2437MHz/2462MHz	
TM7	802.11n(H20)	2412MHz/2437MHz/2462MHz	
TM8	802.11n(H40)	2422MHz/2437MHz/2452MHz	
List and Details of Auxiliary Cable			
Description	Length (cm)	Shielded/Unshielded	With/Without Ferrite
USB Cable	100	Unshielded	Without Ferrite
-	-	-	-
List and Details of Auxiliary Equipment			
Description	Manufacturer	Model	Serial Number
Adapter	Huawei	HW-100225C00	HC78E2N6A23645
-	-	-	-

List of Channels (Bluetooth BLE)							
No. of Channel	Frequency (MHz)	No. of Channel	Frequency (MHz)	No. of Channel	Frequency (MHz)	No. of Channel	Frequency (MHz)
01	2402	11	2422	21	2442	31	2462
02	2404	12	2424	22	2444	32	2464
03	2406	13	2426	23	2446	33	2466
04	2408	14	2428	24	2448	34	2468
05	2410	15	2430	25	2450	35	2470
06	2412	16	2432	26	2452	36	2472
07	2414	17	2434	27	2454	37	2474
08	2416	18	2436	28	2456	38	2476
09	2418	19	2438	29	2458	39	2478
10	2420	20	2440	30	2460	40	2480

List of Channels (Bluetooth BR/EDR)							
No. of Channel	Frequency (MHz)	No. of Channel	Frequency (MHz)	No. of Channel	Frequency (MHz)	No. of Channel	Frequency (MHz)
01	2402	21	2422	41	2442	61	2462
02	2403	22	2423	42	2443	62	2463
03	2404	23	2424	43	2444	63	2464
04	2405	24	2425	44	2445	64	2465
05	2406	25	2426	45	2446	65	2466
~	~	~	~	~	~	~	~
16	2417	36	2437	56	2457	76	2477
17	2418	37	2438	57	2458	77	2478
18	2419	38	2439	58	2459	78	2479
19	2420	39	2440	59	2460	79	2480
20	2421	40	2441	60	2461		

List of Channels (802.11b/g/n)							
No. of Channel	Frequency (MHz)	No. of Channel	Frequency (MHz)	No. of Channel	Frequency (MHz)	No. of Channel	Frequency (MHz)
01	2412	05	2432	09	2452	13	--
02	2417	06	2437	10	2457	14	--
03	2422	07	2442	11	2462	15	--
04	2427	08	2447	12	--	16	--

### 1.3 Compliance Standards

Compliance Standards	
FCC Part 15 Subpart C	FEDERAL COMMUNICATIONS COMMISSION, RADIO FREQUENCY DEVICES, Intentional Radiators
All measurements contained in this report were conducted with all above standards	
According to standards for test methodology	
FCC Part 15 Subpart C	FEDERAL COMMUNICATIONS COMMISSION, RADIO FREQUENCY DEVICES, Intentional Radiators
ANSI C63.4-2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.
ANSI C63.10-2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
Maintenance of compliance is the responsibility of the manufacturer or applicant. Any modification of the product, which result is lowering the emission, should be checked to ensure compliance has been maintained.	

### 1.4 Test Facilities

Laboratory Name:	<b>Shenzhen CCUT Quality Technology Co., Ltd.</b> 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China
CNAS Laboratory No.:	L18863
A2LA Certificate No.:	6893.01
FCC Registration No:	583813
ISED Registration No.:	CN0164
All measurement facilities used to collect the measurement data are located at 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China.	



### 1.5 List of Measurement Instruments

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
<b>Conducted Emissions</b>					
AMN	ROHDE&SCHWARZ	ENV216	101097	2023-10-21	2024-10-20
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	100242	2023-07-31	2024-07-30
<b>Radiated Emissions</b>					
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	100154	2023-07-31	2024-07-30
Spectrum Analyzer	KEYSIGHT	N9020A	MY48030972	2023-07-31	2024-07-30
Spectrum Analyzer	ROHDE&SCHWARZ	FSV40-N	101692	2023-07-31	2024-07-30
Amplifier	SCHWARZBECK	BBV 9743B	00251	2023-07-31	2024-07-30
Amplifier	HUABO	YXL0518-2.5-45	--	2023-07-31	2024-07-30
Amplifier	COM-MW	DLAN-18G-4G-02	10229104	2023-07-31	2024-07-30
Loop Antenna	DAZE	ZN30900C	21104	2023-08-07	2024-08-06
Broadband Antenna	SCHWARZBECK	VULB 9168	01320	2023-08-07	2024-08-06
Horn Antenna	SCHWARZBECK	BBHA 9120D	02553	2023-08-07	2024-08-06
Horn Antenna	COM-MW	ZLB7-18-40G-950	12221225	2023-08-07	2024-08-06
<b>Conducted RF Testing</b>					
RF Test System	MWRFTest	MW100-RFCB	220418SQS-37	2023-07-31	2024-07-30
Spectrum Analyzer	KEYSIGHT	N9020A	ATO-90521	2023-07-31	2024-07-30

### 1.6 Measurement Uncertainty

Test Item	Conditions	Uncertainty
Conducted Emissions	9kHz ~ 30MHz	±1.64 dB
Radiated Emissions	9kHz ~ 30MHz	±2.88 dB
	30MHz ~ 1GHz	±3.32 dB
	1GHz ~ 18GHz	±3.50 dB
	18GHz ~ 40GHz	±3.66 dB
Conducted Output Power	9kHz ~ 26GHz	±0.50 dB
Occupied Bandwidth	9kHz ~ 26GHz	±4.0 %
Conducted Spurious Emission	9kHz ~ 26GHz	±1.32 dB
Power Spectrum Density	9kHz ~ 26GHz	±0.62 dB

## 2. Summary of Test Results

FCC Rule	Description of Test Item	Result
FCC Part 15.207	Conducted Emissions	Passed
FCC Part 15.209, 15.247(d)	Radiated Emissions	Passed
Passed: The EUT complies with the essential requirements in the standard Failed: The EUT does not comply with the essential requirements in the standard N/A: Not applicable		

### 3. Conducted Emissions

#### 3.1 Standard and Limit

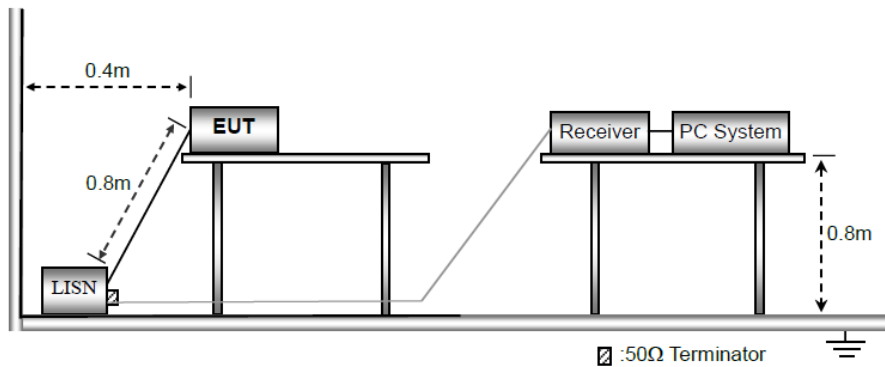
According to the rule FCC Part 15.207, Conducted emissions limit, the limit for a wireless device as below:

Frequency of Emission (MHz)	Conducted emissions (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

Note 1: Decreases with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz  
 Note 2: The lower limit applies at the band edges

#### 3.2 Test Procedure

Test is conducting under the description of ANSI C63.10 - 2013 section 6.2.



Test Setup Block Diagram

a) The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

b) The following is the setting of the receiver

- Attenuation: 10dB
- Start Frequency: 0.15MHz
- Stop Frequency: 30MHz
- IF Bandwidth: 9kHz

c) The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

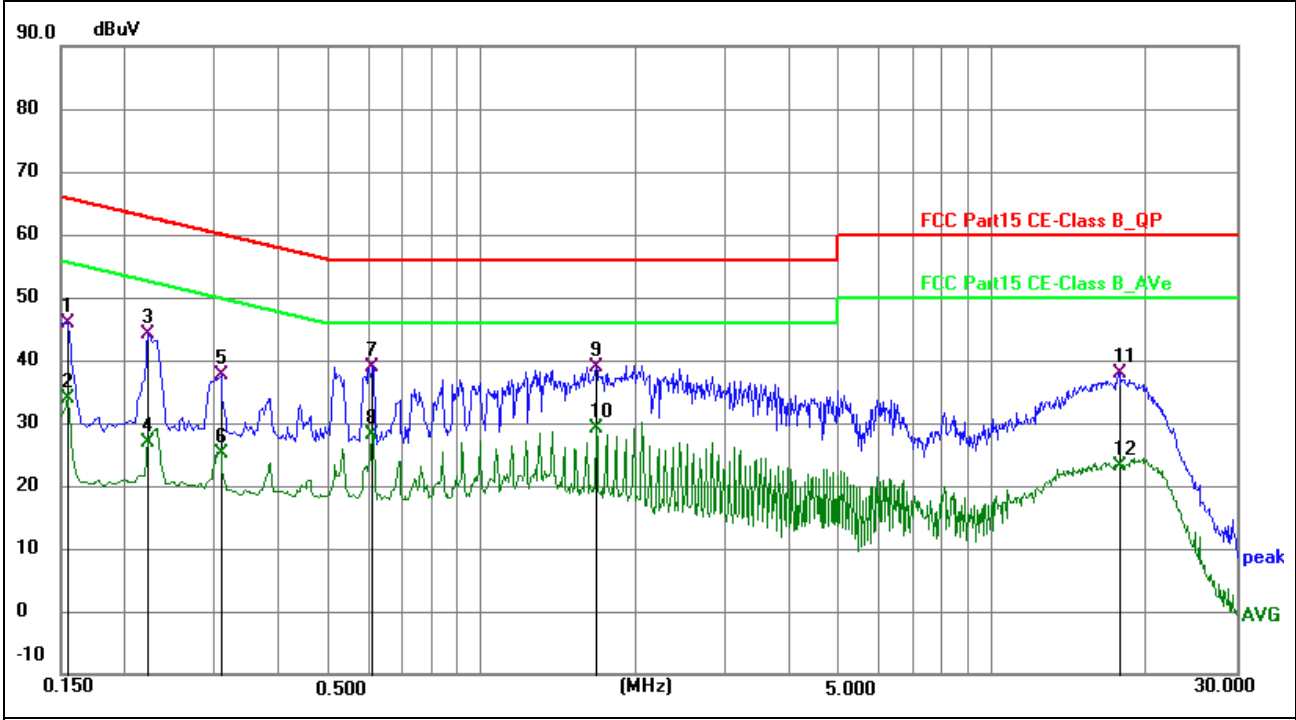
- d) Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- e) I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- f) LISN is at least 80 cm from nearest part of EUT chassis.
- g) For the actual test configuration, please refer to the related Item - photographs of the test setup.

### **3.3 Test Data and Results**

Based on all tested data, the EUT complied with the FCC Part 15.207 standard limit for a wireless device, and with the worst case as below:

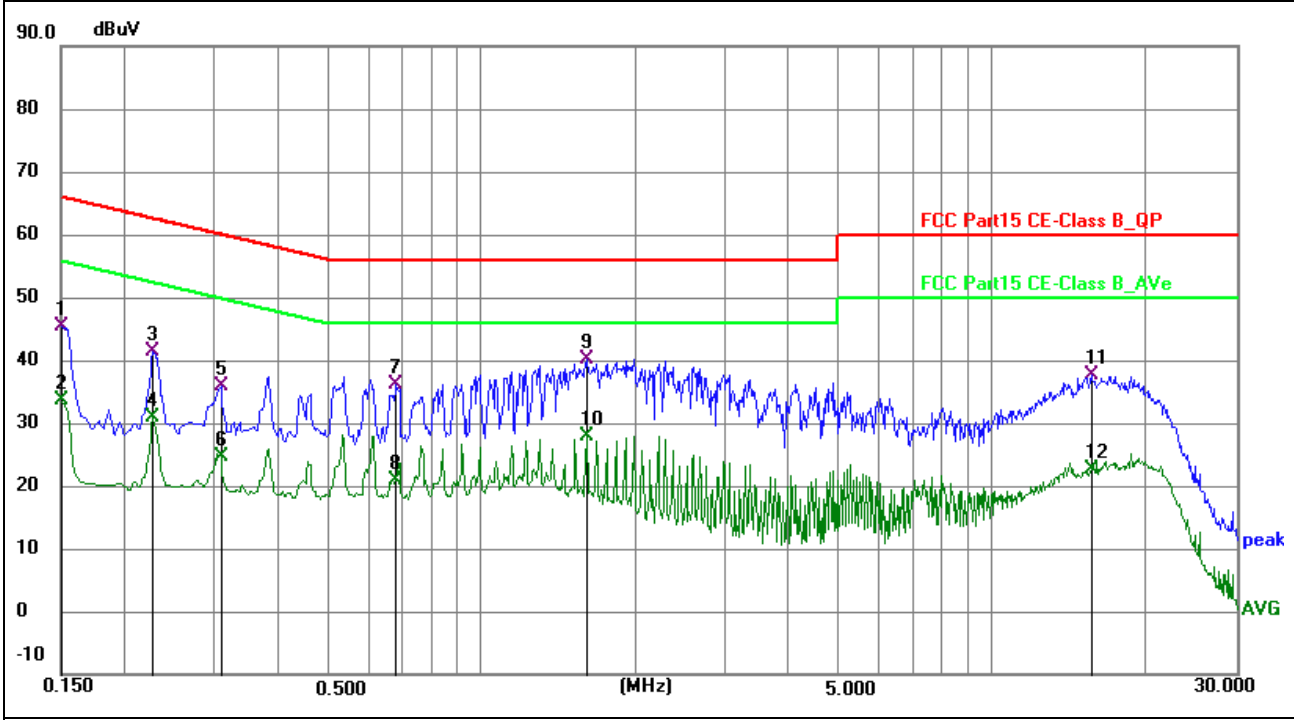
Remark:  $\text{Level} = \text{Reading} + \text{Factor}$ ,  $\text{Margin} = \text{Level} - \text{Limit}$

Test Plots and Data of Conducted Emissions	
Tested Mode:	TM1(2402MHz)
Test Voltage:	AC 120V/60Hz
Test Power Line:	Neutral
Remark:	



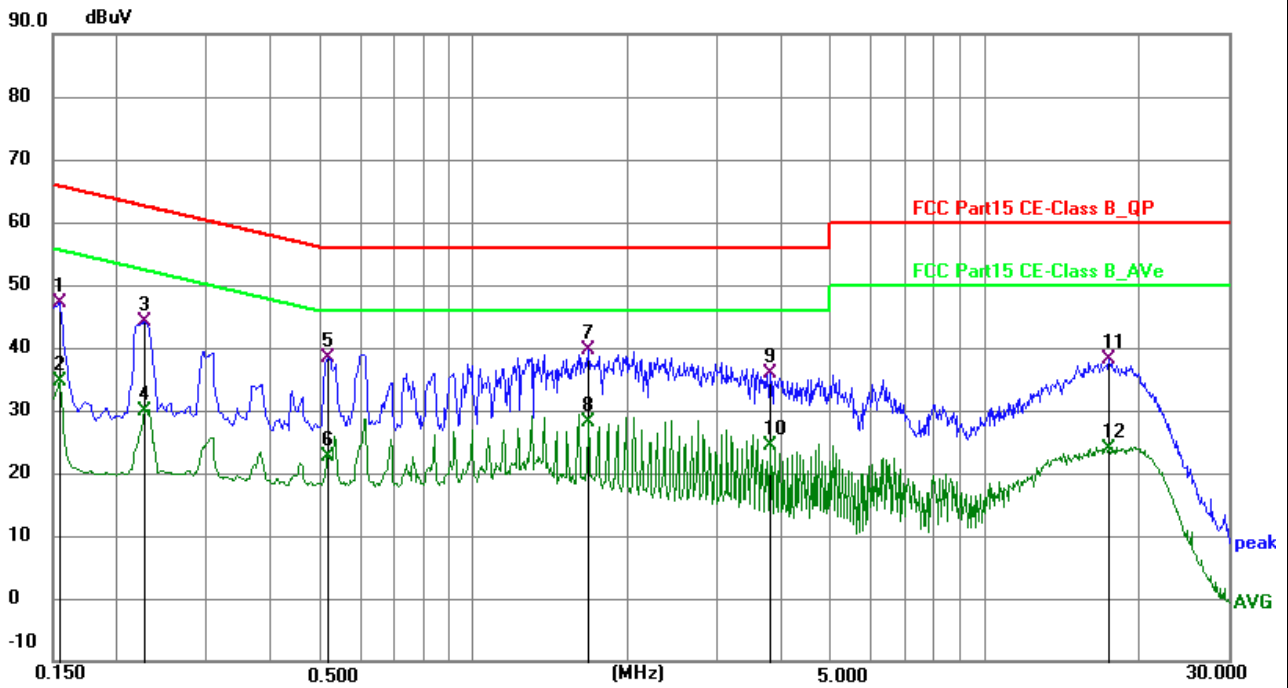
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1545	36.47	9.42	45.89	65.75	-19.86	QP	P	
2	0.1545	24.41	9.42	33.83	55.75	-21.92	AVG	P	
3	0.2220	34.50	9.63	44.13	62.74	-18.61	QP	P	
4	0.2220	17.20	9.63	26.83	52.74	-25.91	AVG	P	
5	0.3075	27.87	9.64	37.51	60.04	-22.53	QP	P	
6	0.3075	15.58	9.64	25.22	50.04	-24.82	AVG	P	
7	0.6134	29.27	9.70	38.97	56.00	-17.03	QP	P	
8	0.6134	18.39	9.70	28.09	46.00	-17.91	AVG	P	
9	1.6800	28.77	10.04	38.81	56.00	-17.19	QP	P	
10 *	1.6800	19.11	10.04	29.15	46.00	-16.85	AVG	P	
11	17.7270	27.61	10.22	37.83	60.00	-22.17	QP	P	
12	17.7270	12.93	10.22	23.15	50.00	-26.85	AVG	P	

Test Plots and Data of Conducted Emissions	
Tested Mode:	TM1(2402MHz)
Test Voltage:	AC 120V/60Hz
Test Power Line:	Live
Remark:	



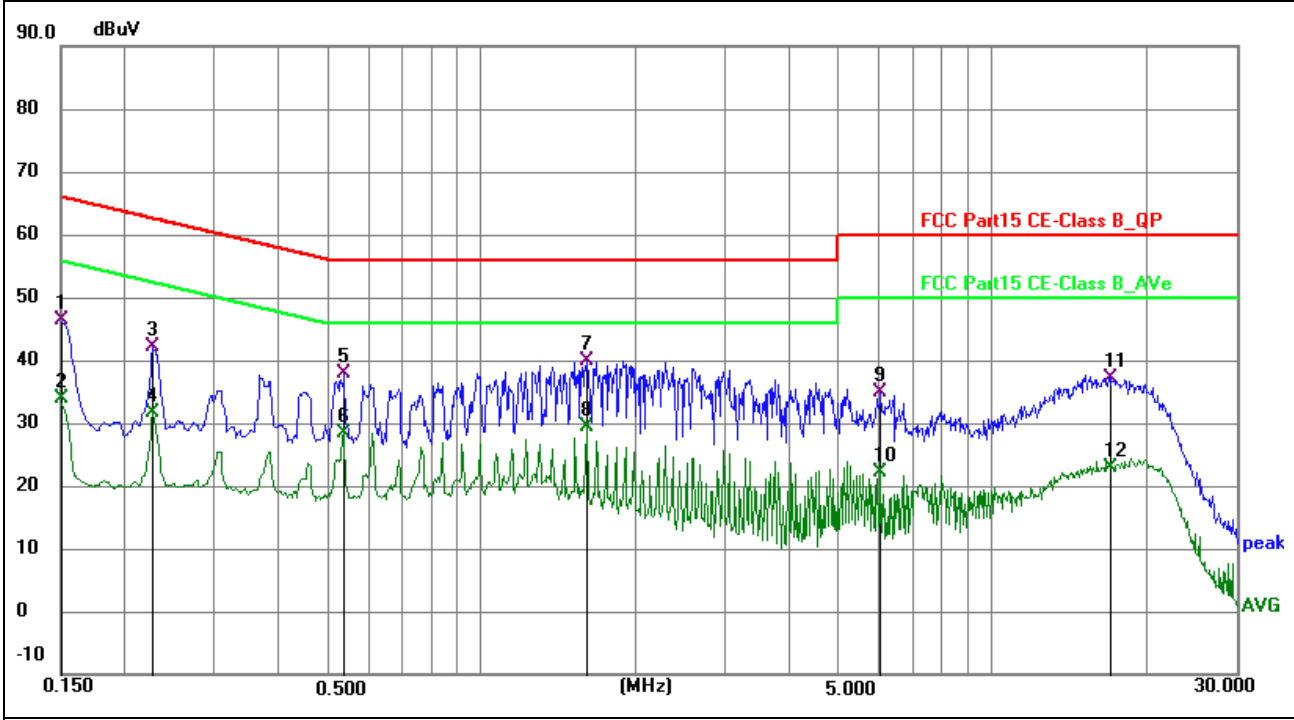
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	36.19	9.27	45.46	66.00	-20.54	QP	P	
2	0.1500	24.43	9.27	33.70	56.00	-22.30	AVG	P	
3	0.2265	32.20	9.25	41.45	62.58	-21.13	QP	P	
4	0.2265	21.57	9.25	30.82	52.58	-21.76	AVG	P	
5	0.3075	26.00	9.78	35.78	60.04	-24.26	QP	P	
6	0.3075	14.97	9.78	24.75	50.04	-25.29	AVG	P	
7	0.6809	26.18	9.86	36.04	56.00	-19.96	QP	P	
8	0.6809	11.06	9.86	20.92	46.00	-25.08	AVG	P	
9 *	1.6035	30.05	10.04	40.09	56.00	-15.91	QP	P	
10	1.6035	17.74	10.04	27.78	46.00	-18.22	AVG	P	
11	15.5715	27.23	10.28	37.51	60.00	-22.49	QP	P	
12	15.5715	12.30	10.28	22.58	50.00	-27.42	AVG	P	

Test Plots and Data of Conducted Emissions	
Tested Mode:	TM2(2402MHz)
Test Voltage:	AC 120V/60Hz
Test Power Line:	Neutral
Remark:	



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1544	37.67	9.42	47.09	65.76	-18.67	QP	P	
2	0.1544	25.17	9.42	34.59	55.76	-21.17	AVG	P	
3	0.2265	34.53	9.63	44.16	62.58	-18.42	QP	P	
4	0.2265	20.20	9.63	29.83	52.58	-22.75	AVG	P	
5	0.5190	28.39	9.91	38.30	56.00	-17.70	QP	P	
6	0.5190	12.67	9.91	22.58	46.00	-23.42	AVG	P	
7 *	1.6800	29.56	10.04	39.60	56.00	-16.40	QP	P	
8	1.6800	18.13	10.04	28.17	46.00	-17.83	AVG	P	
9	3.8174	25.78	10.14	35.92	56.00	-20.08	QP	P	
10	3.8174	14.32	10.14	24.46	46.00	-21.54	AVG	P	
11	17.5515	27.85	10.21	38.06	60.00	-21.94	QP	P	
12	17.5515	13.76	10.21	23.97	50.00	-26.03	AVG	P	

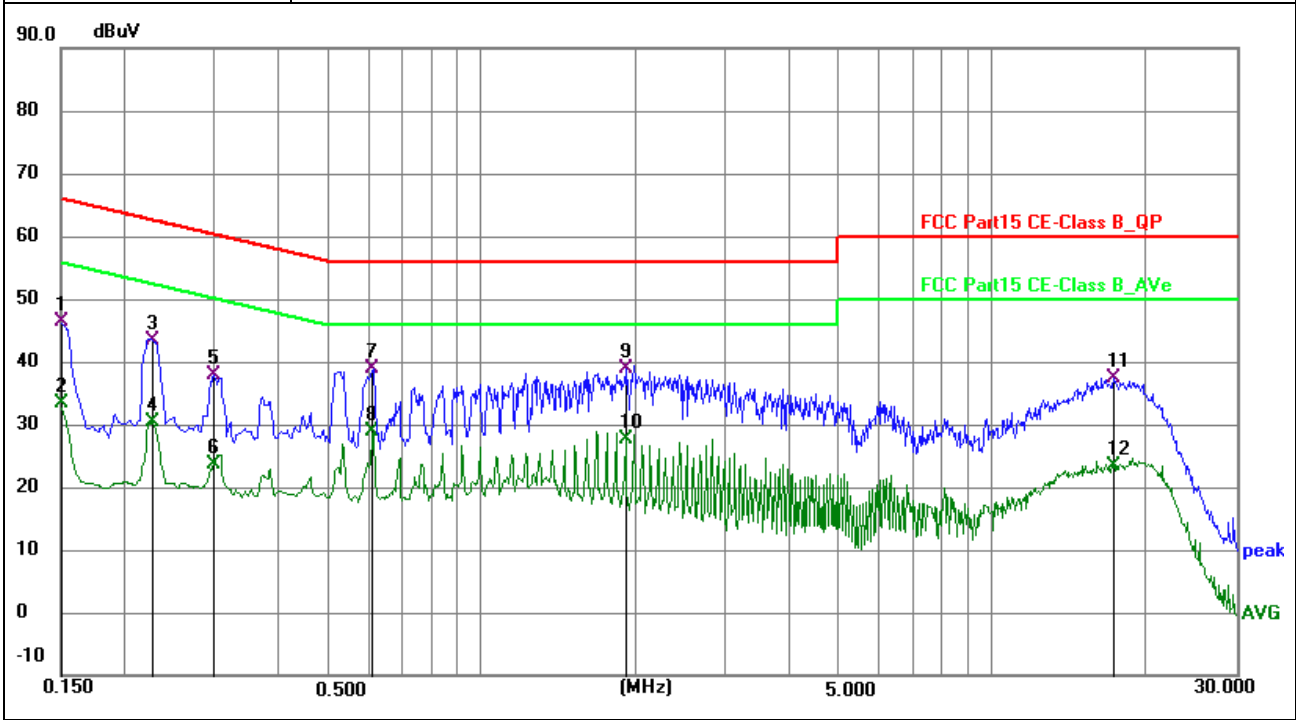
Test Plots and Data of Conducted Emissions	
Tested Mode:	TM2(2402MHz)
Test Voltage:	AC 120V/60Hz
Test Power Line:	Live
Remark:	



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	37.09	9.27	46.36	66.00	-19.64	QP	P	
2	0.1500	24.60	9.27	33.87	56.00	-22.13	AVG	P	
3	0.2265	32.94	9.25	42.19	62.58	-20.39	QP	P	
4	0.2265	22.38	9.25	31.63	52.58	-20.95	AVG	P	
5	0.5370	27.92	9.94	37.86	56.00	-18.14	QP	P	
6	0.5370	18.39	9.94	28.33	46.00	-17.67	AVG	P	
7 *	1.6035	29.79	10.04	39.83	56.00	-16.17	QP	P	
8	1.6035	19.24	10.04	29.28	46.00	-16.72	AVG	P	
9	6.0314	24.58	10.25	34.83	60.00	-25.17	QP	P	
10	6.0314	11.96	10.25	22.21	50.00	-27.79	AVG	P	
11	17.0970	26.70	10.37	37.07	60.00	-22.93	QP	P	
12	17.0970	12.39	10.37	22.76	50.00	-27.24	AVG	P	

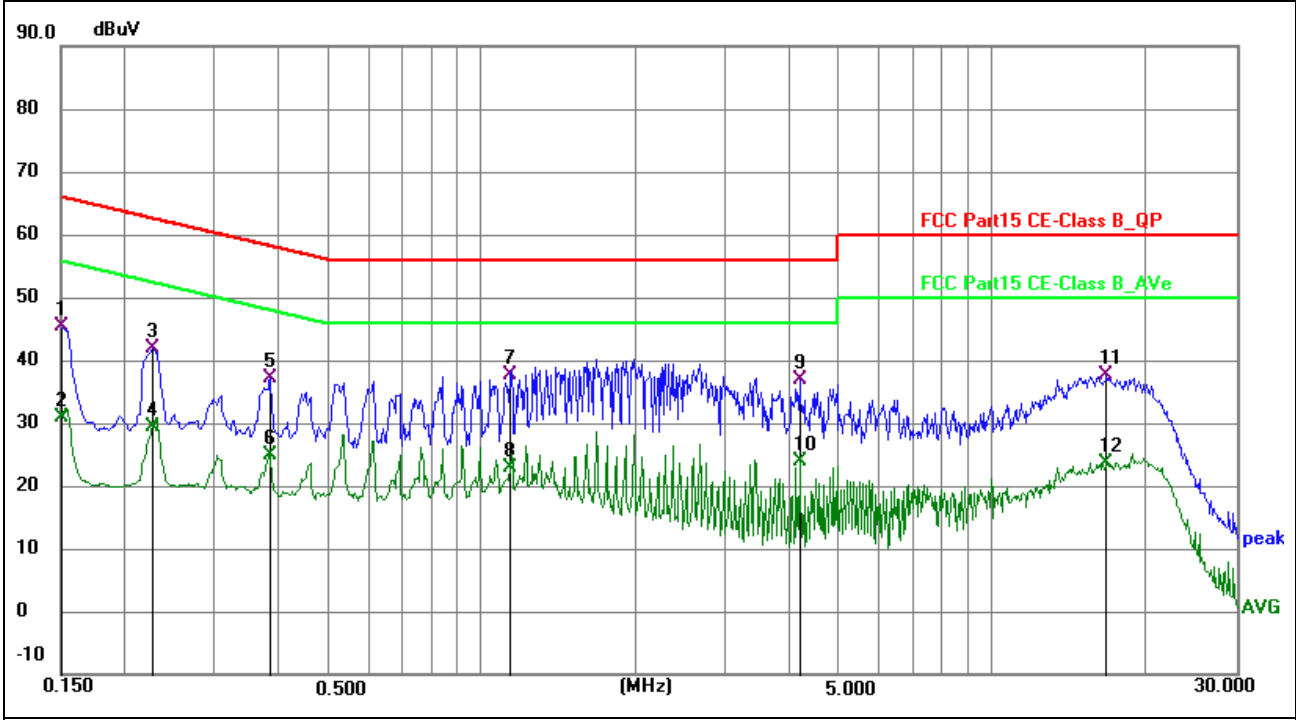


Test Plots and Data of Conducted Emissions	
Tested Mode:	TM5(2412MHz)
Test Voltage:	AC 120V/60Hz
Test Power Line:	Neutral
Remark:	



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	36.85	9.51	46.36	66.00	-19.64	QP	P	
2	0.1500	23.95	9.51	33.46	56.00	-22.54	AVG	P	
3	0.2265	33.86	9.63	43.49	62.58	-19.09	QP	P	
4	0.2265	20.77	9.63	30.40	52.58	-22.18	AVG	P	
5	0.2985	28.27	9.69	37.96	60.28	-22.32	QP	P	
6	0.2985	13.89	9.69	23.58	50.28	-26.70	AVG	P	
7 *	0.6134	29.12	9.70	38.82	56.00	-17.18	QP	P	
8	0.6134	19.06	9.70	28.76	46.00	-17.24	AVG	P	
9	1.9095	28.76	10.04	38.80	56.00	-17.20	QP	P	
10	1.9095	17.59	10.04	27.63	46.00	-18.37	AVG	P	
11	17.2770	27.29	10.18	37.47	60.00	-22.53	QP	P	
12	17.2770	13.13	10.18	23.31	50.00	-26.69	AVG	P	

Test Plots and Data of Conducted Emissions	
Tested Mode:	TM5(2412MHz)
Test Voltage:	AC 120V/60Hz
Test Power Line:	Live
Remark:	



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	36.12	9.27	45.39	66.00	-20.61	QP	P	
2	0.1500	21.63	9.27	30.90	56.00	-25.10	AVG	P	
3	0.2265	32.57	9.25	41.82	62.58	-20.76	QP	P	
4	0.2265	20.19	9.25	29.44	52.58	-23.14	AVG	P	
5	0.3840	27.30	9.89	37.19	58.19	-21.00	QP	P	
6	0.3840	15.10	9.89	24.99	48.19	-23.20	AVG	P	
7 *	1.1400	27.71	10.00	37.71	56.00	-18.29	QP	P	
8	1.1400	12.91	10.00	22.91	46.00	-23.09	AVG	P	
9	4.2000	26.67	10.15	36.82	56.00	-19.18	QP	P	
10	4.2000	13.85	10.15	24.00	46.00	-22.00	AVG	P	
11	16.7280	27.33	10.34	37.67	60.00	-22.33	QP	P	
12	16.7280	13.23	10.34	23.57	50.00	-26.43	AVG	P	

## 4. Radiated Emissions

### 4.1 Standard and Limit

According to §15.247(d), In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

According to the rule FCC Part 15.209, Radiated emission limit for a wireless device as below:

Frequency of Emission (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

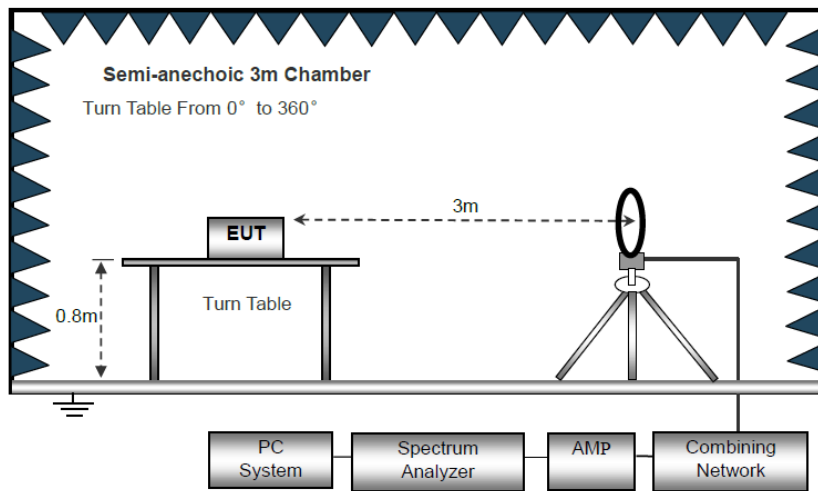
Note: The more stringent limit applies at transition frequencies.

The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

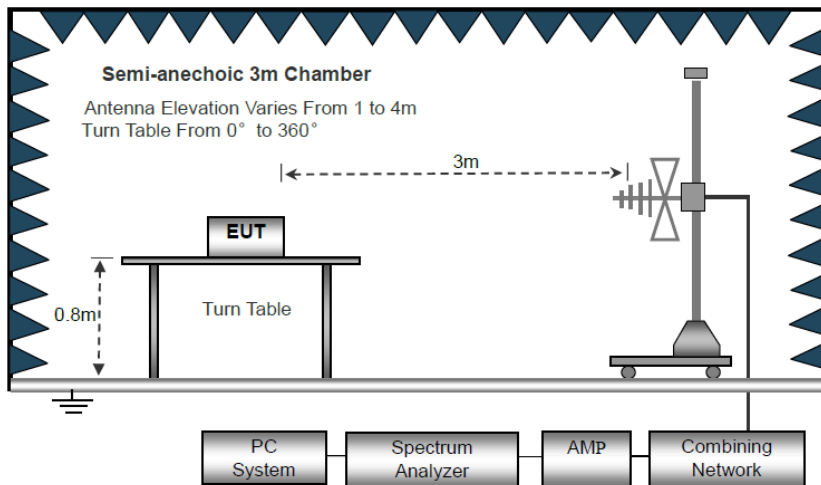
*Note: Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.*

### 4.2 Test Procedure

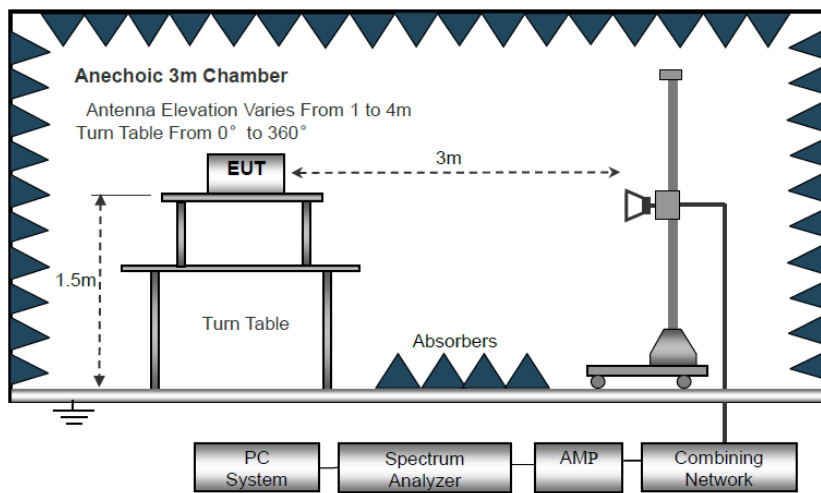
Test is conducting under the description of ANSI C63.10 - 2013 section 6.3 to 6.6.



Block Diagram of Radiated Emission Below 30MHz



Block Diagram of Radiated Emission From 30MHz to 1GHz



Block Diagram of Radiated Emission Above 1GHz

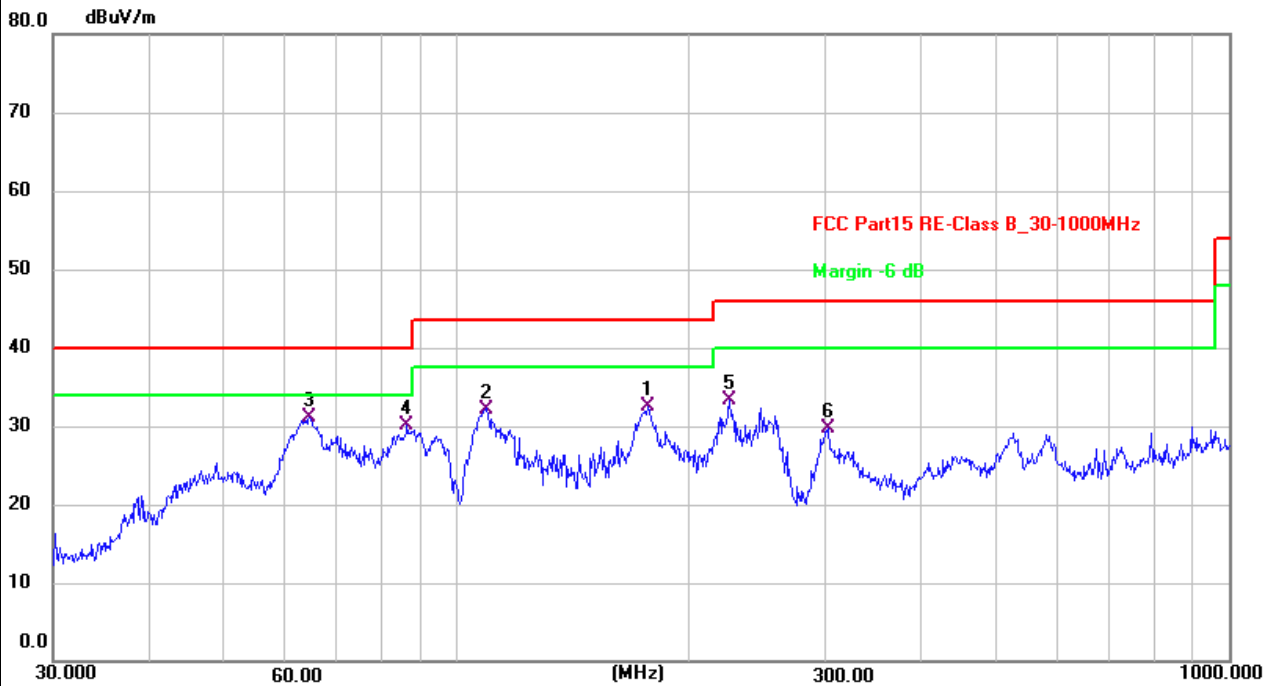
- a) The EUT is placed on a turntable, which is 0.8m above ground plane for test frequency range below 1GHz, and 1.5m above ground plane for test frequency range above 1GHz.
- b) EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
- c) Use the following spectrum analyzer settings:  
Span = wide enough to fully capture the emission being measured  
RBW = 1 MHz for  $f \geq 1\text{GHz}$ , 100 kHz for  $f < 1\text{GHz}$ , 10kHz for  $f < 30\text{MHz}$   
VBW  $\geq$  RBW, Sweep = auto  
Detector function = peak  
Trace = max hold
- d) Follow the guidelines in ANSI C63.4-2014 with respect to maximizing the emission by rotating the EUT, adjusting the measurement antenna height and polarization, etc. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, submit this data. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- e) The peak level, once corrected, must comply with the limit specified in Section 15.209. Set the RBW = 1MHz, VBW = 10Hz, Detector = PK for AV value, while maintaining all of the other instrument settings.
- f) For the actual test configuration, please refer to the related item - EUT test photos.

### 4.3 Test Data and Results

Based on all tested data, the EUT complied with the FCC Part 15.247 standard limit for a wireless device, and with the worst case as below:

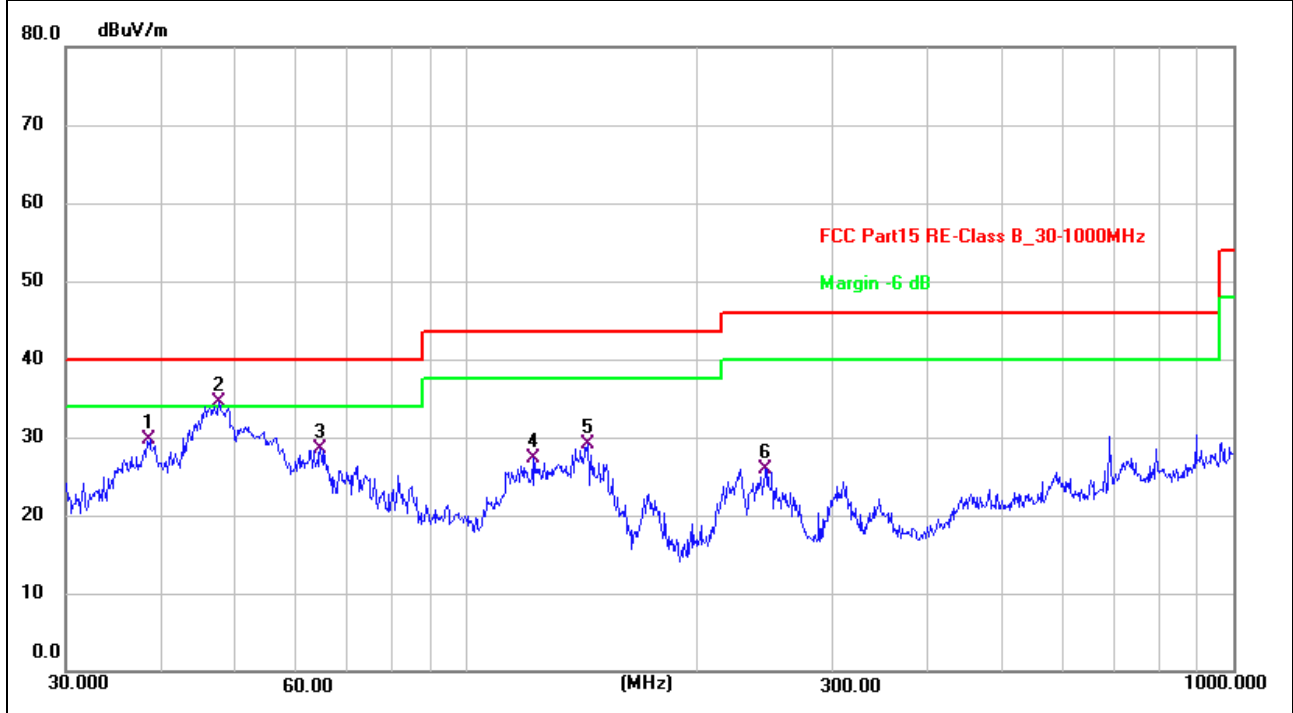
Remark: Level = Reading + Factor, Margin = Level - Limit

Radiated Emission Test Data (30MHz to 1GHz)	
Tested Mode:	TM1(2402MHz)
Test Antenna Polarization:	Horizontal
Remark:	



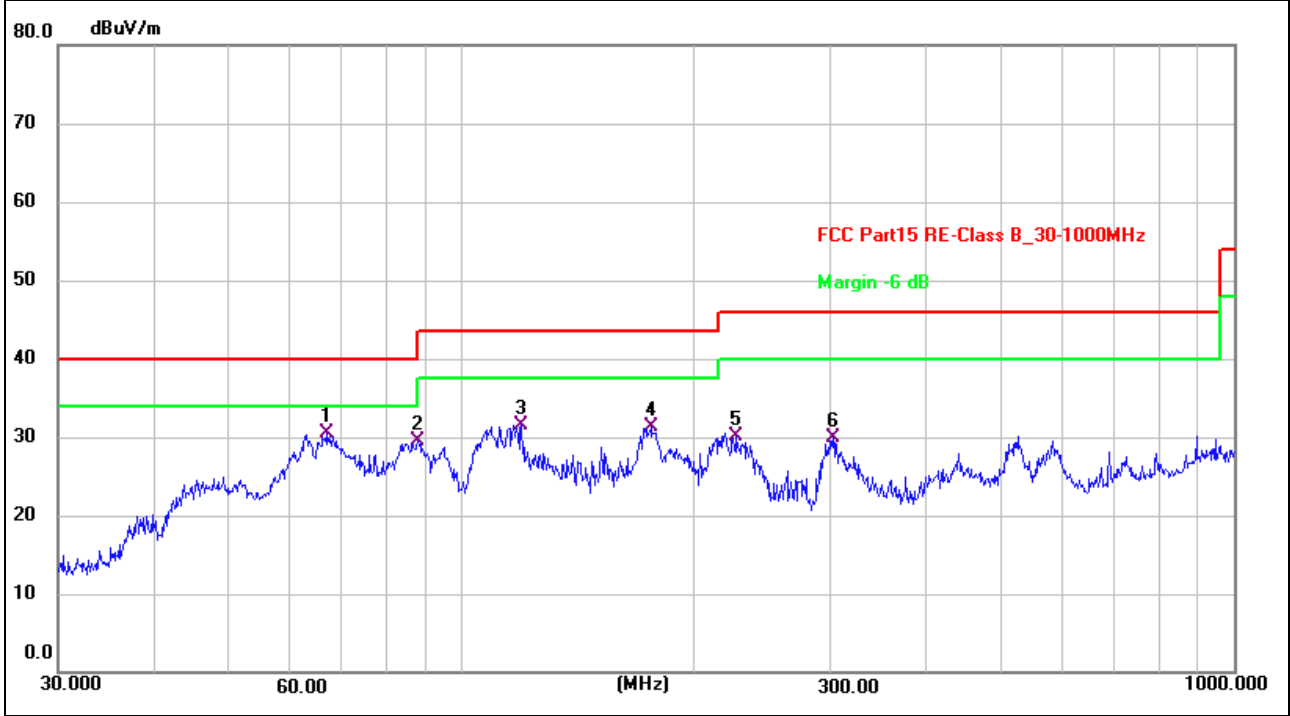
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	176.8877	43.05	-10.53	32.52	43.50	-10.98	QP	100	246	P	
2	109.0285	44.27	-12.07	32.20	43.50	-11.30	QP	100	235	P	
3 *	64.4330	41.54	-10.48	31.06	40.00	-8.94	QP	200	110	P	
4	86.2000	43.59	-13.56	30.03	40.00	-9.97	QP	200	0	P	
5	225.3080	44.46	-11.10	33.36	46.00	-12.64	QP	200	332	P	
6	302.4811	38.11	-8.45	29.66	46.00	-16.34	QP	100	356	P	

Radiated Emission Test Data (30MHz to 1GHz)	
Tested Mode:	TM1(2402MHz)
Test Antenna Polarization:	Vertical
Remark:	



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	38.6160	38.11	-8.46	29.65	40.00	-10.35	QP	100	235	P	
2 *	47.4917	43.76	-9.20	34.56	40.00	-5.44	QP	100	0	P	
3	64.4330	39.05	-10.48	28.57	40.00	-11.43	QP	100	21	P	
4	121.9754	37.97	-10.66	27.31	43.50	-16.19	QP	100	139	P	
5	143.8294	38.31	-9.28	29.03	43.50	-14.47	QP	200	266	P	
6	245.0900	36.05	-10.07	25.98	46.00	-20.02	QP	200	332	P	

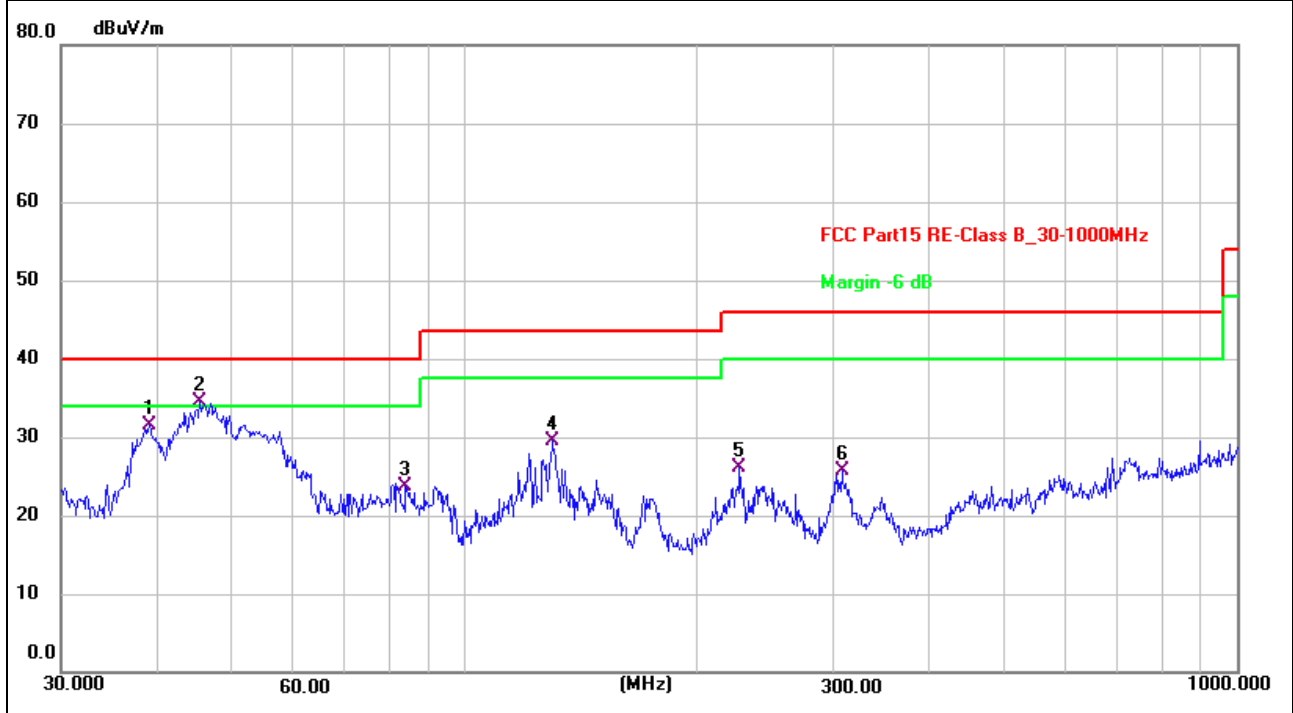
Radiated Emission Test Data (30MHz to 1GHz)	
Tested Mode:	TM2(2402MHz)
Test Antenna Polarization:	Horizontal
Remark:	



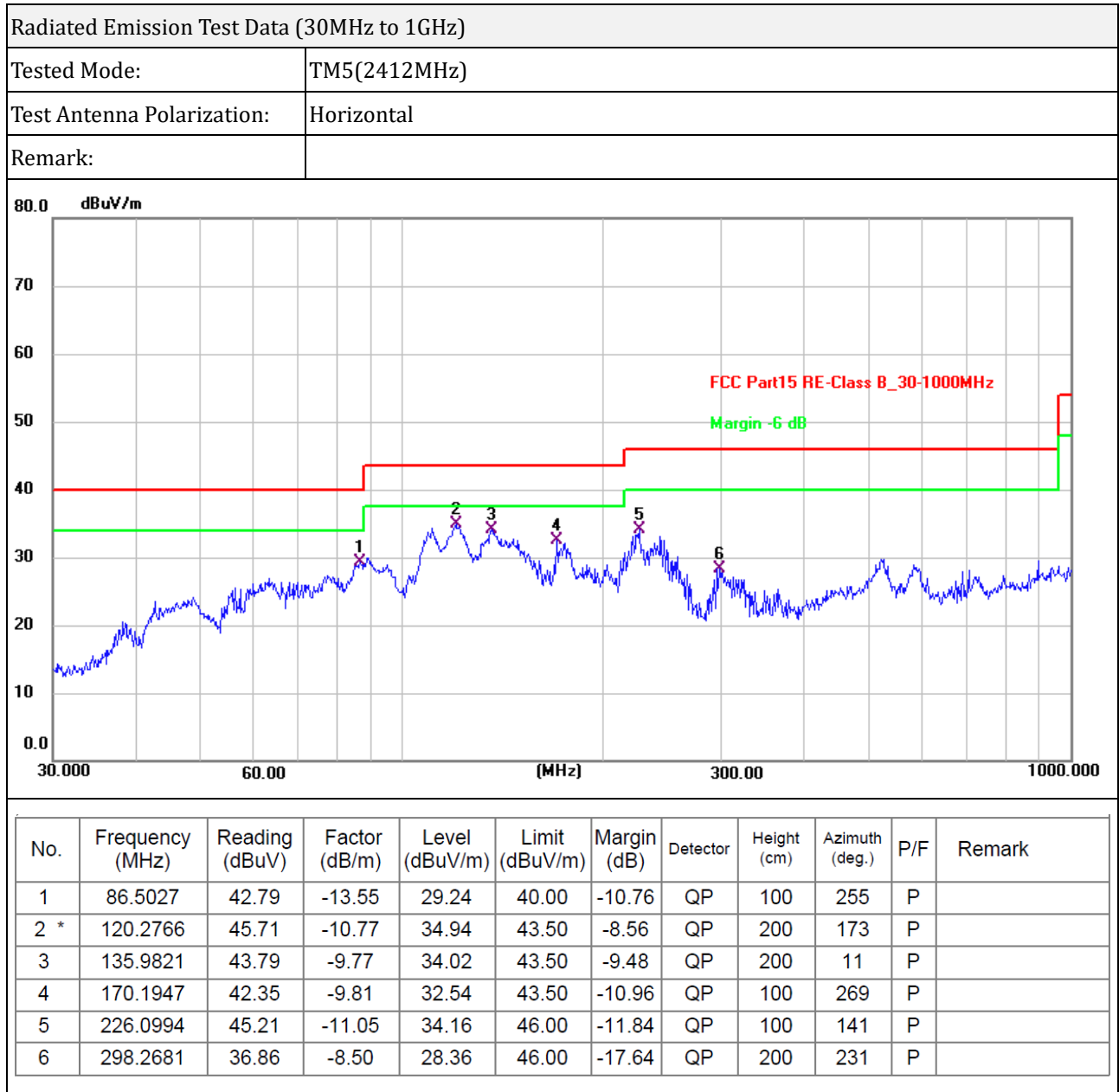
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	66.9670	41.26	-10.74	30.52	40.00	-9.48	QP	100	196	P	
2	87.7246	43.09	-13.56	29.53	40.00	-10.47	QP	200	360	P	
3	119.4360	42.39	-10.86	31.53	43.50	-11.97	QP	200	56	P	
4	175.6516	41.70	-10.40	31.30	43.50	-12.20	QP	100	222	P	
5	226.8935	41.03	-11.00	30.03	46.00	-15.97	QP	100	11	P	
6	302.4811	38.34	-8.45	29.89	46.00	-16.11	QP	100	0	P	



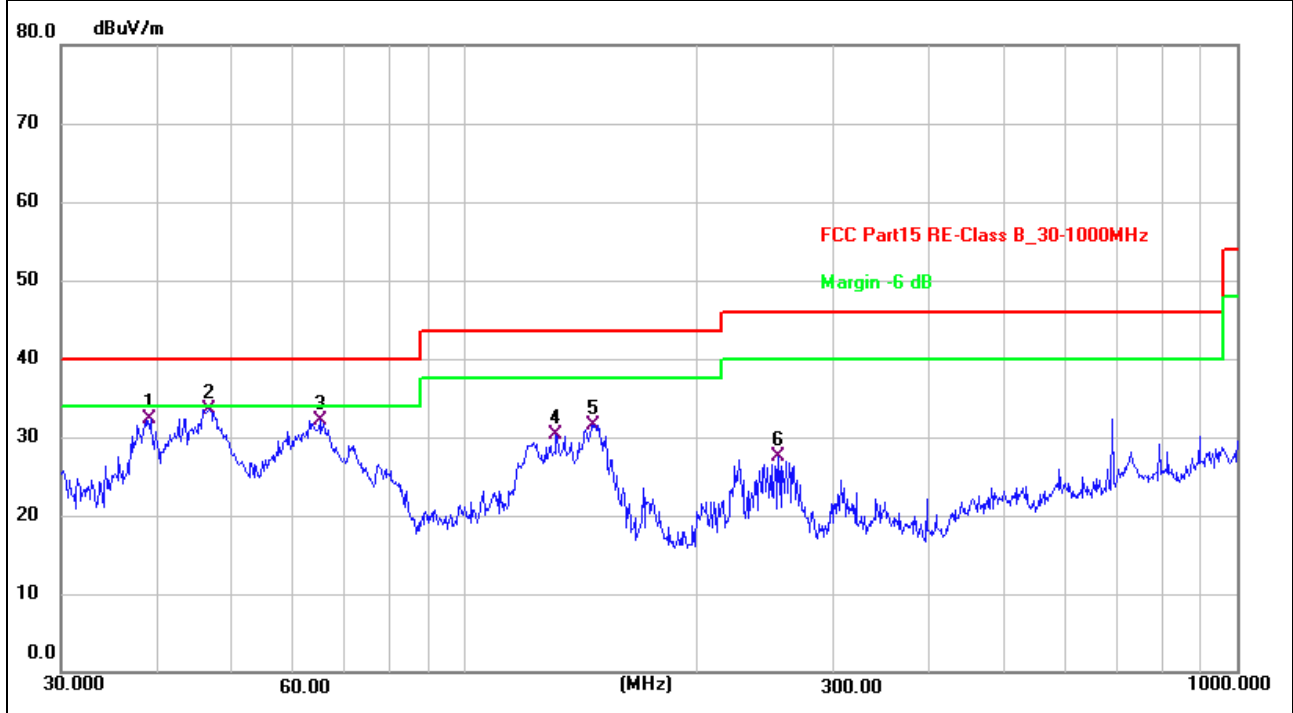
Radiated Emission Test Data (30MHz to 1GHz)	
Tested Mode:	TM2(2402MHz)
Test Antenna Polarization:	Vertical
Remark:	



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	39.0242	39.86	-8.40	31.46	40.00	-8.54	QP	100	165	P	
2 *	45.3753	43.98	-9.49	34.49	40.00	-5.51	QP	200	360	P	
3	83.8155	37.30	-13.52	23.78	40.00	-16.22	QP	200	114	P	
4	129.9225	39.58	-10.14	29.44	43.50	-14.06	QP	100	254	P	
5	226.8934	37.14	-11.00	26.14	46.00	-19.86	QP	200	214	P	
6	307.8312	34.19	-8.40	25.79	46.00	-20.21	QP	100	59	P	



Radiated Emission Test Data (30MHz to 1GHz)	
Tested Mode:	TM5(2412MHz)
Test Antenna Polarization:	Vertical
Remark:	



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	39.1613	40.78	-8.38	32.40	40.00	-7.60	QP	100	98	P	
2 *	46.6662	42.84	-9.32	33.52	40.00	-6.48	QP	200	65	P	
3	64.8864	42.60	-10.53	32.07	40.00	-7.93	QP	100	360	P	
4	131.2965	40.46	-10.06	30.40	43.50	-13.10	QP	100	356	P	
5	146.8875	40.67	-9.09	31.58	43.50	-11.92	QP	200	101	P	
6	254.7282	37.29	-9.87	27.42	46.00	-18.58	QP	100	210	P	

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