



FCC TEST REPORT

FCC ID:2BN9C-A5MINIK

Applicant: **Shenzhen Youle Technology Co., Ltd**
Address: Block B, Fencheng Zhigu Building, No. 60 Tiezai Road, Gongle Community, xixiang street, Bao 'an District, Shenzhen
Manufacturer: **Shenzhen Youle Technology Co., Ltd**
Address: Block B, Fencheng Zhigu Building, No. 60 Tiezai Road, Gongle Community, xixiang street, Bao 'an District, Shenzhen
EUT: **Car Media Player Box**
Trade Mark: N/A
Model Number: A5 Mini K
See page 7 for detailed models
Date of Receipt: Nov. 20, 2024
Test Date: Nov. 20, 2024 - Apr. 08, 2025
Date of Report: Apr. 08, 2025
Prepared By: Shenzhen DL Testing Technology Co., Ltd.
Address: 101-201, Building C, Shuanghuan, No.8, Baoqing Roa Baolong Industrial Zone, Baolong Street, Longgang Shenzhen, Guangdong, China
Applicable Standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247
ANSI C63.10:2013
Test Result: Pass
Report Number: DLE-250408006R

Prepared (Test Engineer): Dimon Tan
Reviewer (Supervisor): Jack Bu
Approved (Manager): Jade Yang



This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen DL Testing Technology Co., Ltd.



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1.VERSION

Report No.	Version	Description	Approved
DLE-250408006R	Rev.01	Initial issue of report	Apr. 08, 2025



2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 (15.247) , Subpart C			
Standard Section	Test Item	Judgment	Remark
FCC part 15.203/15.247(c)	Antenna requirement	PASS	
ANSI C63.10:2013	Duty Cycle	PASS	
FCC part 15.207	AC Power Line Conducted Emission	PASS	
FCC part 15.247 (b)(3)	Conducted Peak Output Power	PASS	
FCC part 15.247 (a)(2)	6DB Occupied Bandwidth	PASS	
FCC part 15.247 (e)	Power Spectral Density	PASS	
FCC part 15.247 (d)	Band Edge	PASS	
FCC part 15.205/15.209	Spurious Emission	PASS	

NOTE:

(1)“N/A” denotes test is not applicable in this Test Report



2.1 TEST FACILITY

Test lab: Shenzhen DL Testing Technology Co., Ltd.

Address: 101-201, Building C, Shuanghuan, No.8, Baoqing Roa Baolong Industrial Zone, Baolong Street,
Longgang Shenzhen, Guangdong, China

FCC Test Firm Registration Number: 854456

Designation Number: CN1307

IC Registered No.: 27485

CAB ID.: CN0118

2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$ · where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$ · providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	3m camber Radiated spurious emission(9KHz-30MHz)	U=4.5dB
2	3m camber Radiated spurious emission(30MHz-1GHz)	U=4.8dB
3	3m chamber Radiated spurious emission(1GHz-6GHz)	U=4.9dB
4	3m chamber Radiated spurious emission(6GHz-40GHz)	U=5.0dB
5	Conducted disturbance	U=3.2dB
6	RF Band Edge	U=1.68dB
7	RF power conducted	U=1.86dB
8	RF conducted Spurious Emission	U=2.2dB
9	RF Occupied Bandwidth	U=1.8MHz
10	RF Power Spectral Density	U=1.75dB
11	humidity uncertainty	U=5.3%
12	Temperature uncertainty	U=0.59°C



3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Product Name:	Car Media Player Box
Model No.:	A5 Mini K A5 Mini A, A5 Mini C, A5 Mini D, A5 Mini E, A5 Mini F, A5 Mini G, A5 Mini H, A5 Mini I, A5 Mini J, A5 Mini B, A5 Mini E-S, A5 Mini F-S, A5, A5 SE, A5 Air, A5 Pro, A5 Plus, A5 Ultra, A6, A6 SE, A6 Air, A6 Pro, A6 Plus, A6 Ultra, A8, A8 Pro, A8 Plus, A8 Ultra, A9, A9 Pro, A9 Plus, A9 Ultra, A10, A10 Pro, A10 Plus, A10 Ultra, A5MINI F-S, CA2, CA3, CA4, CA5, CA6, CA7, DAC1, DCA2, DCA3, CP30-C2CMini, CP30-C2CMini2, CP30-C2CMini3, CP30-C2CMini4, CP30-C2CMini5, CP30-C2CMini6,CP30-A2AMini, CP30-A2AMini2, CP30-A2AMini3, CP30-A2AMini4, CP30-A2AMini5, CP30-A2AMini6,CP30-Mini,CP30-Mini2,CP30-Mini3,CP30-Mini4 ,CP30-Mini5,CP30-Mini6,CP30-Mini7,CP30-Mini8,CP30-Mini9,CP30-Mini10,CP30-Mini11,CP30-Mini12,CP30-Mini13,CP30-Mini14,CP30-Mini15,CP30-air,CP30-air2,CP30-air 3,CP30-air4,CP30-air5,CP30-air6,CP30-air7,CP30-air8,CP30-air 9,CP30-air10,CP30-air11,CP30-air12,CP30-air13,CP30-air14,C P30-air15,CP30-CS5,CP30-CS5 Mini,CP30-CS5 Pro,CP30-CS5 Plus,CP30-CS5-D,CP30-CS5-D Mini,CP30-CS5-D Pro,CP30-CS5-D Plus,CP30-CS6,CP30-CS6 Mini,CP30-CS6 Pro,CP30-CS6 Plus,CP30-CS7,CP30-CS7 Mini,CP30-CS7 Pro,CP30-CS7 Plus,CP30-CS8,CP30-CS8 Mini,CP30-CS8 Pro,CP30-CS8 Plus,CP30-CS9,CP30-CS9 SE,CP30-CS9 Mini,CP30-CS9 Pro ,CP30-CS9 Max,CP30-CS9 Ultra,CP30-CS10,CP30-CS10 SE,CP30-CS10 Mini,CP30-CS10 Pro, ,CP30-CS10 Max,CP30-CS10 Ultra,CP30-CS11,CP30-CS11 Mini,CP30-CS11 Pro,CP30-CS11 Plus,CP30-CS11 Max,CP30-CS11 Ultra,CP30-CS12,CP30-CS12 Mini,CP30-CS12 Pro,CP30-CS12 Plus,CP30-CS12 Max,CP30-CS12 Ultra,CP30-CM5,CP30-CM5 Mini,CP30-CM5 Pro,CP30-CM5 Plus,CP30-CM5 Max,CP30-CM5 Ultra,CP30-CM6,CP30-CM6 Mini,CP30-CM6 Pro,CP30-CM6 Plus,CP30-CM6 Max,CP30-CM6 Ultra,CP30-CM7,CP30-CM7 Mini,CP30-CM7 Pro,CP30-CM7 Plus,CP30-CM7 Max,CP30-CM7 Ultra,CP30-C2C01,CP30-C2C01 Pro
Model Different.:	The additional models have slight differences in exterior design. Some models retain the same USB plug-in design as the EUT but feature various optimizations, such as textured anti-slip surfaces, geometric cut patterns, circular openings, or airflow grooves, to meet different user needs. Additionally, some models adopt a cabled design, providing more flexible connectivity and adapting to a wider range of usage scenarios. Despite the differences in casing, all additional models share the exact same core PCB board, internal circuitry, and chip modules as the EUT, meaning there are no differences in hardware functionality or performance.
Hardware Version:	H1.0
Software Version:	S1.0



Sample(s) Status:	Engineer sample
Operation Frequency:	2402MHz~2480MHz
Channel Numbers:	40
Channel Separation:	2MHz
Modulation Type:	GFSK
Antenna Type:	PCB Antenna
Antenna gain:	2.24 dBi
Power supply:	Input: DC 5V, 1A
Battery capacity:	N/A



Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2402 MHz	11	2422 MHz	21	2442 MHz	31	2462 MHz
2	2404 MHz	12	2424 MHz	22	2444 MHz	32	2464 MHz
3	2406 MHz	13	2426 MHz	23	2446 MHz	33	2466 MHz
4	2408 MHz	14	2428 MHz	24	2448 MHz	34	2468 MHz
5	2410 MHz	15	2430 MHz	25	2450 MHz	35	2470 MHz
6	2412 MHz	16	2432 MHz	26	2452 MHz	36	2472 MHz
7	2414 MHz	17	2434 MHz	27	2454 MHz	37	2474 MHz
8	2416 MHz	18	2436 MHz	28	2456 MHz	38	2476 MHz
9	2418 MHz	19	2438 MHz	29	2458 MHz	39	2478 MHz
10	2420 MHz	20	2440 MHz	30	2460 MHz	40	2480 MHz

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The lowest channel	2402MHz
The middle channel	2440MHz
The Highest channel	2480MHz

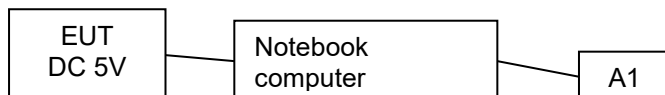
3.2 DESCRIPTION OF TEST MODES

Transmitting mode	Keep the EUT in continuously transmitting mode
Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data. For battery operated equipment, the equipment tests shall be performed using a new battery.	
Test Software	LeKit_v3.0.4 Test Tool
Power level setup	Default

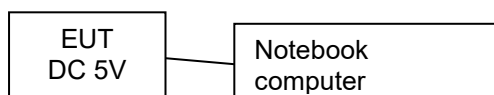


3.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

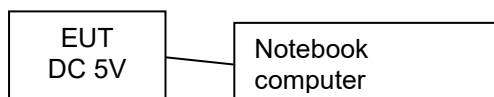
Conducted Emission



Radiated Emission



Radiated Emission



3.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Car Media Player Box	N/A	A5 Mini K	N/A	EUT
A-9	Notebook computer	SAMSUNG	RC510	N/A	Auxiliary
A1	AC/DC adapter	N/A	H6157-W1	N/A	Auxiliary

Item	Shielded Type	Ferrite Core	Length	Note

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (3) EUT is tested with new battery.



3.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Conduction Emissions Test

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until
1	LISN	R&S	ENV216	101471	N/A	Sep. 30, 2024	Sep. 29, 2025
2	LISN	CYBERTEK	EM5040A	E1850400149	N/A	Sep. 30, 2024	Sep. 29, 2025
3	Test Cable	N/A	C-01	N/A	N/A	Sep. 30, 2024	Sep. 29, 2025
4	EMI Test Receiver	R&S	ESCI3	101393	4.42 SP3	Sep. 29, 2024	Sep. 28, 2025
5	EMC Software	Frad	EZ-EMC	Ver.EMC-CON 3A1.1	N/A	\	\

Radiation Emissions & Radiation Spurious Emissions Test

Item	Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	KEYSIGHT	N9020A	MY55370835	A.17.05	Sep. 29, 2024	Sep. 28, 2025
2	Spectrum Analyzer (10kHz-39.9GHz)	R&S	FSV40-N	100363	1.71 SP2	Sep. 30, 2024	Sep. 29, 2025
3	EMI Test Receiver (9kHz-7GHz)	R&S	ESCI7	100969	4.32	Sep. 29, 2024	Sep. 28, 2025
4	Bilog Antenna (30MHz-1500MHz)	Schwarzbeck	VULB9168	00877	N/A	Sep. 30, 2024	Sep. 29, 2025
5	Horn Antenna (1GHz-18GHz)	Agilent	AH-118	071145	N/A	Sep. 30, 2024	Sep. 29, 2025
6	Horn Antenna (15GHz-40GHz)	A.H.System	SAS-574	588	N/A	Sep. 30, 2024	Sep. 29, 2025
7	Loop Antenna	TESEQ	HLA6121	58357	N/A	Oct. 11, 2024	Oct. 10, 2025
8	Amplifier (30-1000MHz)	EM Electronics	EM330 Amplifier	60747	N/A	Sep. 29, 2024	Sep. 28, 2025
9	Amplifier (1GHz-26.5GHz)	HuiPu	8449B	3008A00315	N/A	Sep. 29, 2024	Sep. 28, 2025
10	Amplifier (500MHz-40GHz)	QuanJuDa	DLE-161	097	N/A	Sep. 30, 2024	Sep. 29, 2025
11	Test Cable	N/A	R-01	N/A	N/A	Sep. 30, 2024	Sep. 29, 2025
12	Test Cable	N/A	R-02	N/A	N/A	Sep. 30, 2024	Sep. 29, 2025
13	Test Cable	N/A	R-03	N/A	N/A	Sep. 30, 2024	Sep. 29, 2025
14	D.C. Power Supply	LongWei	TPR-6405D	GQ7516	N/A	Sep. 29, 2024	Sep. 28, 2025
15	EMC Software	Frad	EZ-EMC	Ver.EMC-CO N 3A1.1	N/A	\	\
16	Turntable	MF	MF-7802BS	N/A	N/A	\	\
17	Antenna tower	MF	MF-7802BS	N/A	N/A	\	\



RF Conducted Test

Item	Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	KEYSIGHT	N9020A	MY55370835	A.17.05	Sep. 29, 2024	Sep. 28, 2025
2	Spectrum Analyzer (10kHz-39.9GHz)	R&S	FSV40-N	100363	1.71 SP2	Sep. 30, 2024	Sep. 29, 2025
3	Test Cable	N/A	RF-01	N/A	N/A	Sep. 30, 2024	Sep. 29, 2025
4	Test Cable	N/A	RF-02	N/A	N/A	Sep. 30, 2024	Sep. 29, 2025
5	Test Cable	N/A	RF-03	N/A	N/A	Sep. 30, 2024	Sep. 29, 2025
6	ESG Signal Generator	Agilent	E4421B	GB40051203	B.03.84	Sep. 29, 2024	Sep. 28, 2025
7	Signal Generator	Agilent	N5182A	MY47420215	A.01.87	Sep. 29, 2024	Sep. 28, 2025
8	Magnetic Field Probe Tester	Narda	ELT-400	0-0344/M-1752	N/A	Sep. 29, 2024	Sep. 28, 2025
9	Van der Hoofden measuring head	Schwarzbeck Mess-elektronik	VDHH 9502	9502-039	N/A	Sep. 30, 2024	Sep. 29, 2025
10	Wideband Radio Communication Test	R&S	CMW500	106504	V 3.7.22	Sep. 30, 2024	Sep. 29, 2025
11	MWRF Power Meter Test system	MW	MW100-RF CB	10371	N/A	Sep. 29, 2024	Sep. 28, 2025
12	Power Meter	KEYSIGHT	N1912AP	926431	A.05.00	Sep. 29, 2024	Sep. 28, 2025
13	D.C. Power Supply	LongWei	TPR-6405D	GQ7516	N/A	Sep. 29, 2024	Sep. 28, 2025
14	RF Software	MW	MTS8310	V2.0.0.0	N/A	\	\



4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.10:2013
Test Frequency Range:	150KHz to 30MHz
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto

4.1.1 POWER LINE CONDUCTED EMISSION Limits

FREQUENCY (MHz)	Limit (dBuV)		Standard
	Quas-peak	Average	
0.15 -0.5	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	56.00	46.00	FCC
5.0 -30.0	60.00	50.00	FCC

Note:

(1) *Decreases with the logarithm of the frequency.

4.1.2 TEST PROCEDURE

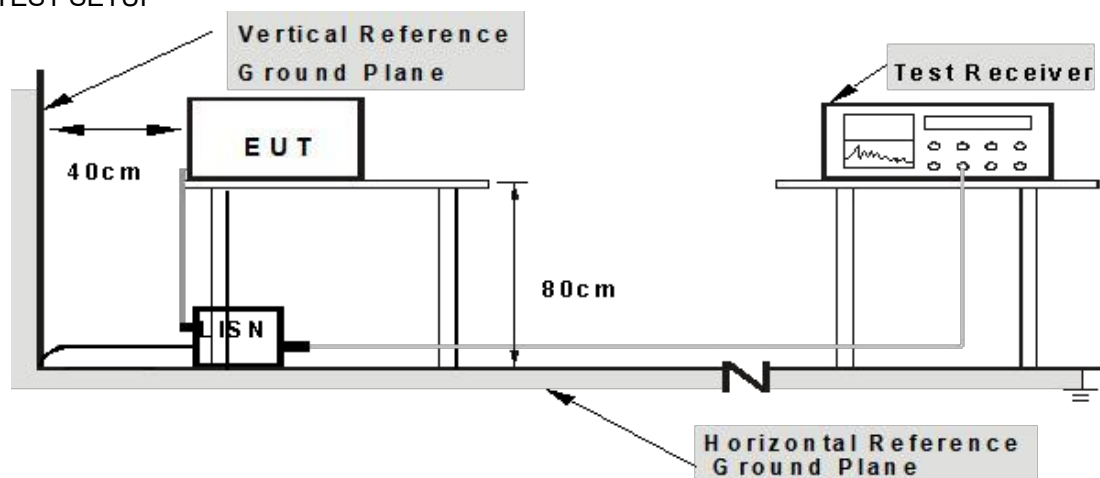
- The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- 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.
- 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.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.3 DEVIATION FROM TEST STANDARD

No deviation



4.1.4 TEST SETUP



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

4.1.5 EUT OPERATING CONDITIONS

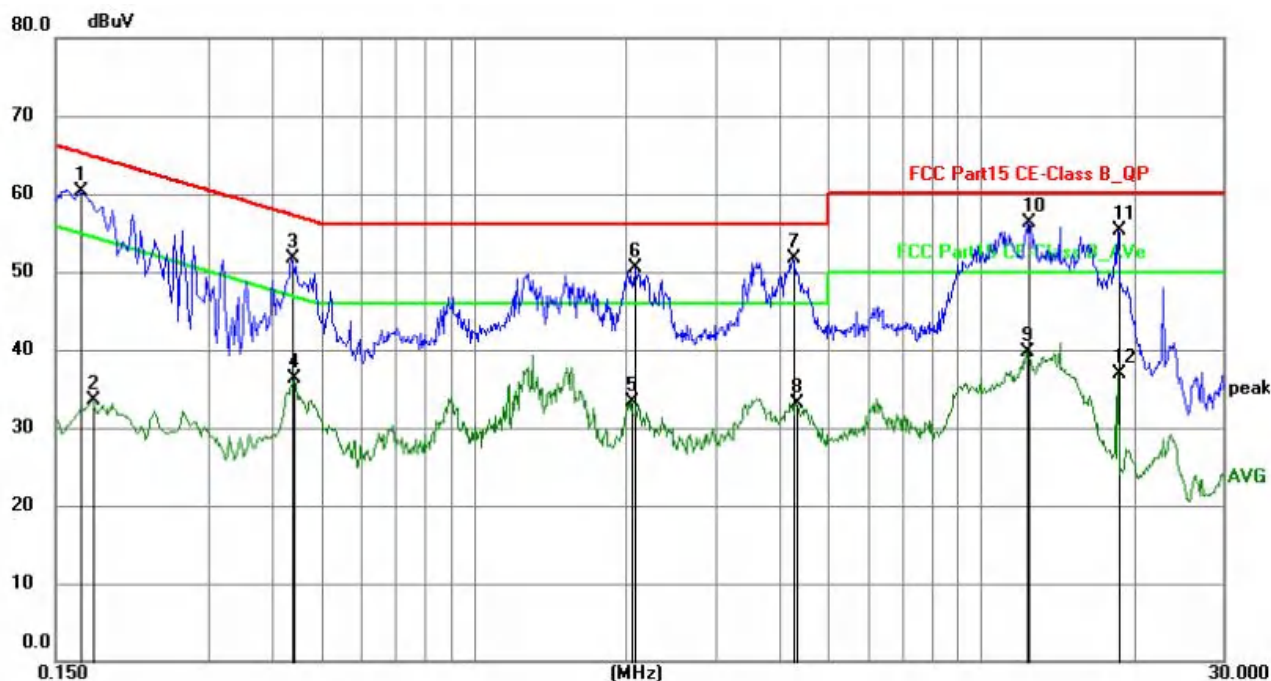
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to Charging during test. This operating condition was tested and used to collect the included data.



4.1.6 Test Result

A5 Mini K

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	L
Test Voltage:	AC 120V/60Hz	Test Mode :	TX - 2402MHz



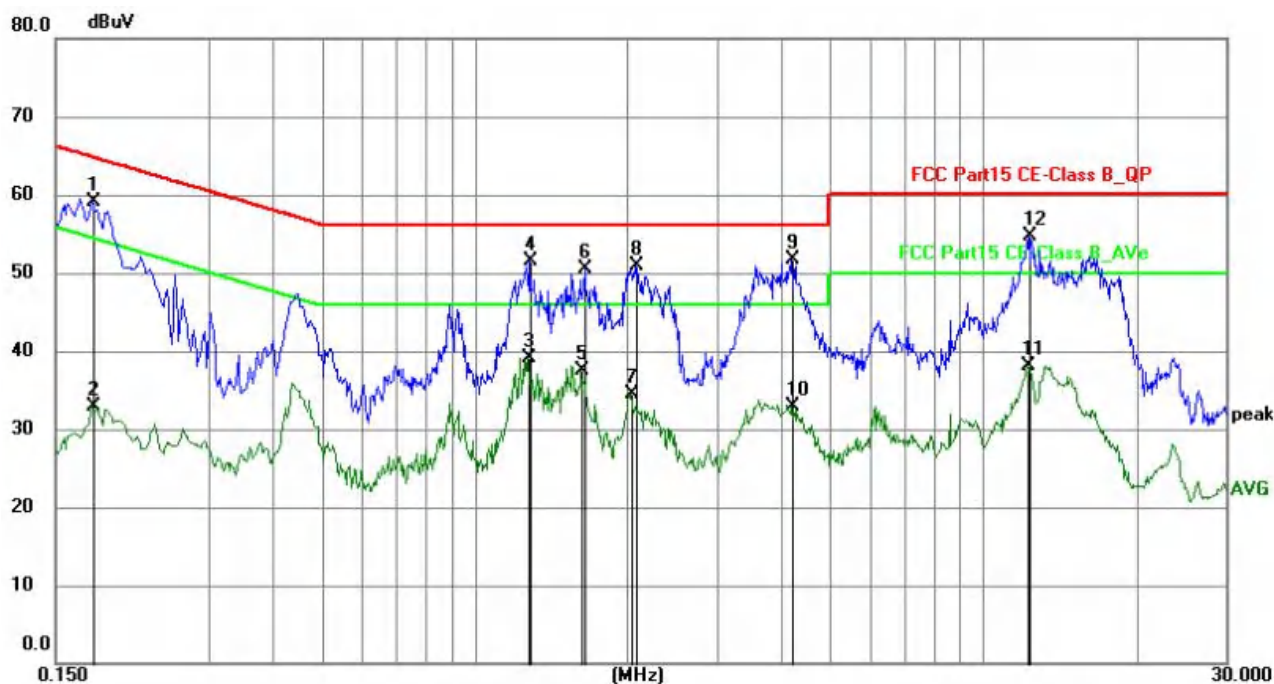
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1680	40.03	20.25	60.28	65.06	-4.78	QP	P	
2	0.1768	13.16	20.29	33.45	54.63	-21.18	AVG	P	
3	0.4380	31.34	20.31	51.65	57.10	-5.45	QP	P	
4	0.4425	16.00	20.31	36.31	47.01	-10.70	AVG	P	
5	2.0442	13.03	20.31	33.34	46.00	-12.66	AVG	P	
6	2.0803	30.28	20.31	50.59	56.00	-5.41	QP	P	
7	4.2675	31.31	20.35	51.66	56.00	-4.34	QP	P	
8	4.3349	12.78	20.35	33.13	46.00	-12.87	AVG	P	
9	12.3719	19.24	20.47	39.71	50.00	-10.29	AVG	P	
10	12.3900	35.80	20.47	56.27	60.00	-3.73	QP	P	
11	18.6585	34.72	20.50	55.22	60.00	-4.78	QP	P	
12	18.6585	16.48	20.50	36.98	50.00	-13.02	AVG	P	

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi - Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Reading level + Correct Factor.
4. Correct Factor = Lism factor+ Cable loss factor + limiter factor.
5. Margin = Measurement Level-Limit.
6. The test data shows only the worst case TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	N
Test Voltage:	AC 120V/60Hz	Test Mode :	TX - 2402MHz



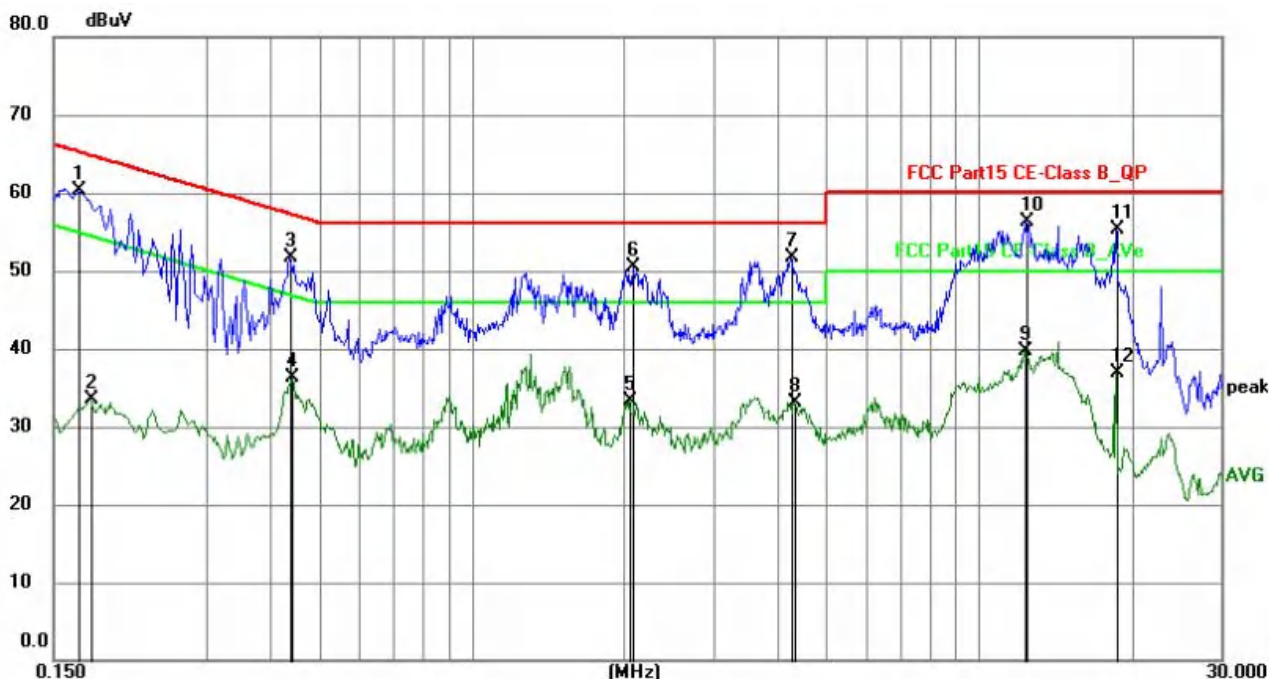
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1768	38.87	20.28	59.15	64.63	-5.48	QP	P	
2	0.1768	12.53	20.28	32.81	54.63	-21.82	AVG	P	
3	1.2702	18.71	20.31	39.02	46.00	-6.98	AVG	P	
4	1.2839	31.15	20.31	51.46	56.00	-4.54	QP	P	
5	1.6257	17.18	20.30	37.48	46.00	-8.52	AVG	P	
6	1.6484	30.12	20.30	50.42	56.00	-5.58	QP	P	
7	2.0264	14.11	20.31	34.42	46.00	-11.58	AVG	P	
8	2.0714	30.61	20.31	50.92	56.00	-5.08	QP	P	
9	4.2088	31.28	20.34	51.62	56.00	-4.38	QP	P	
10	4.2088	12.54	20.34	32.88	46.00	-13.12	AVG	P	
11	12.2415	17.71	20.48	38.19	50.00	-11.81	AVG	P	
12	12.2593	34.15	20.48	54.63	60.00	-5.37	QP	P	

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi - Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Reading level + Correct Factor.
4. Correct Factor = Lism factor+ Cable loss factor + limiter factor.
5. Margin = Measurement Level-Limit.
6. The test data shows only the worst case TX - 2402MHz.

**A5MINI F-S**

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	L
Test Voltage:	AC 120V/60Hz	Test Mode :	TX - 2402MHz



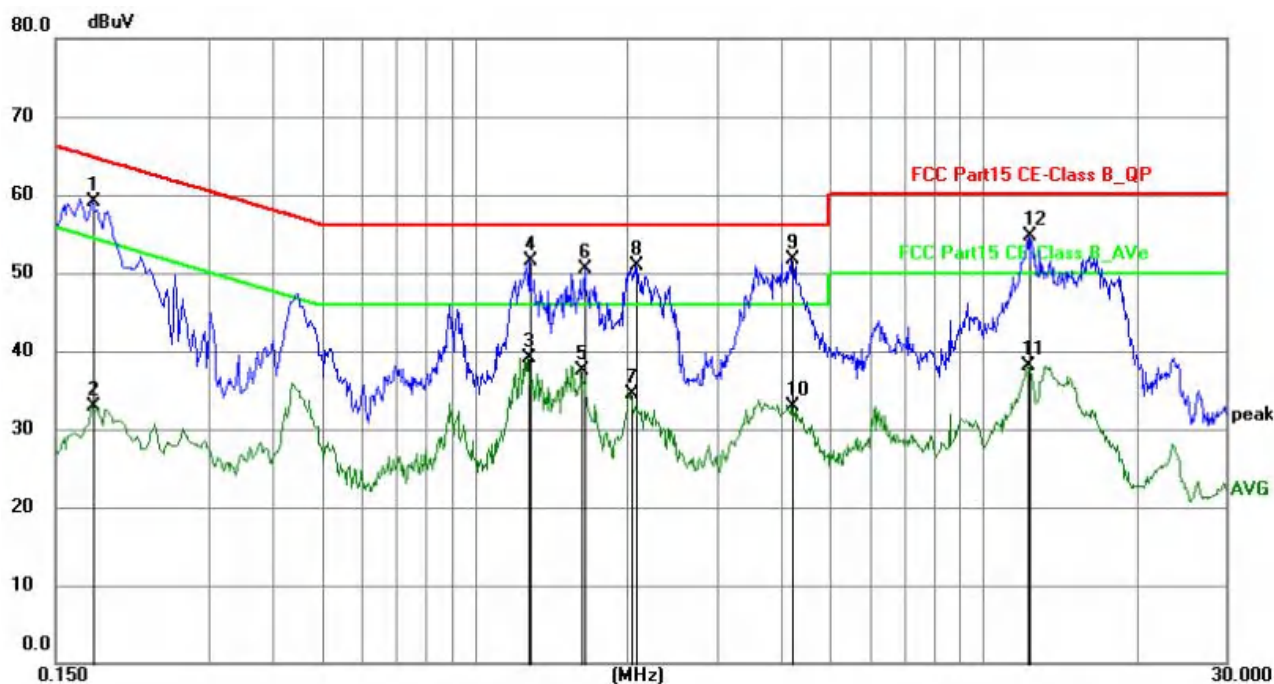
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1680	40.03	20.25	60.28	65.06	-4.78	QP	P	
2	0.1768	13.16	20.29	33.45	54.63	-21.18	AVG	P	
3	0.4380	31.34	20.31	51.65	57.10	-5.45	QP	P	
4	0.4425	16.00	20.31	36.31	47.01	-10.70	AVG	P	
5	2.0442	13.03	20.31	33.34	46.00	-12.66	AVG	P	
6	2.0803	30.28	20.31	50.59	56.00	-5.41	QP	P	
7	4.2675	31.31	20.35	51.66	56.00	-4.34	QP	P	
8	4.3349	12.78	20.35	33.13	46.00	-12.87	AVG	P	
9	12.3719	19.24	20.47	39.71	50.00	-10.29	AVG	P	
10	12.3900	35.80	20.47	56.27	60.00	-3.73	QP	P	
11	18.6585	34.72	20.50	55.22	60.00	-4.78	QP	P	
12	18.6585	16.48	20.50	36.98	50.00	-13.02	AVG	P	

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi - Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Reading level + Correct Factor.
4. Correct Factor = Lism factor+ Cable loss factor + limiter factor.
5. Margin = Measurement Level-Limit.
6. The test data shows only the worst case TX - 2402MHz.



Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	N
Test Voltage:	AC 120V/60Hz	Test Mode :	TX - 2402MHz



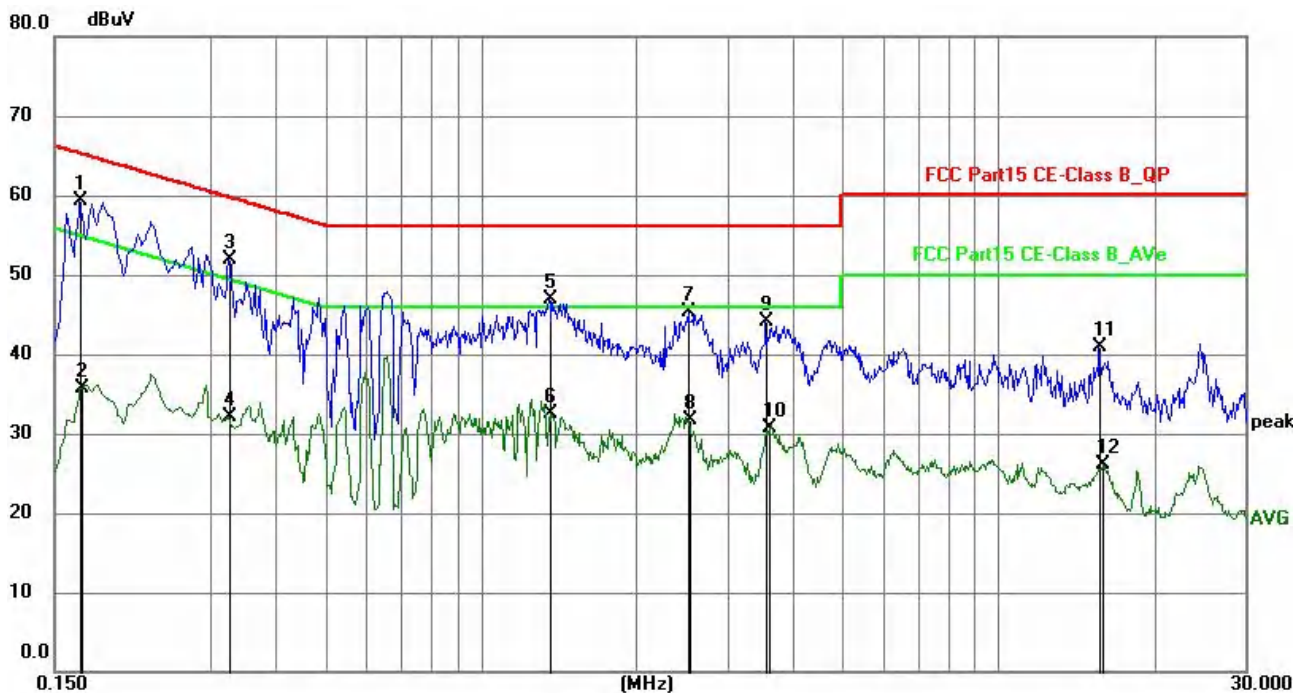
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1768	38.87	20.28	59.15	64.63	-5.48	QP	P	
2	0.1768	12.53	20.28	32.81	54.63	-21.82	AVG	P	
3	1.2702	18.71	20.31	39.02	46.00	-6.98	AVG	P	
4	1.2839	31.15	20.31	51.46	56.00	-4.54	QP	P	
5	1.6257	17.18	20.30	37.48	46.00	-8.52	AVG	P	
6	1.6484	30.12	20.30	50.42	56.00	-5.58	QP	P	
7	2.0264	14.11	20.31	34.42	46.00	-11.58	AVG	P	
8	2.0714	30.61	20.31	50.92	56.00	-5.08	QP	P	
9	4.2088	31.28	20.34	51.62	56.00	-4.38	QP	P	
10	4.2088	12.54	20.34	32.88	46.00	-13.12	AVG	P	
11	12.2415	17.71	20.48	38.19	50.00	-11.81	AVG	P	
12	12.2593	34.15	20.48	54.63	60.00	-5.37	QP	P	

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi - Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Reading level + Correct Factor.
4. Correct Factor = Lism factor+ Cable loss factor + limiter factor.
5. Margin = Measurement Level-Limit.
6. The test data shows only the worst case TX - 2402MHz.

**A5MINI I**

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	L
Test Voltage:	AC 120V/60Hz	Test Mode :	TX - 2402MHz



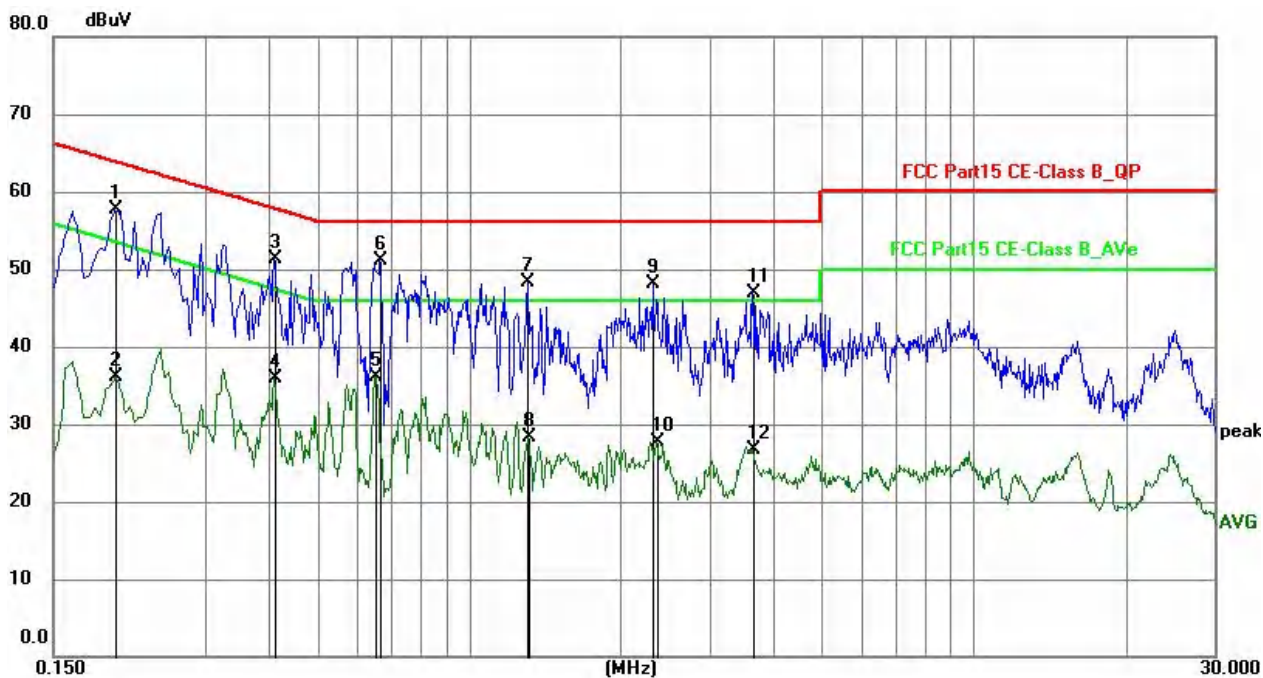
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1680	39.01	20.25	59.26	65.06	-5.80	QP	P
2	0.1693	15.53	20.26	35.79	54.99	-19.20	AVG	P
3	0.3255	31.63	20.34	51.97	59.57	-7.60	QP	P
4	0.3255	11.82	20.34	32.16	49.57	-17.41	AVG	P
5	1.3559	26.64	20.31	46.95	56.00	-9.05	QP	P
6	1.3649	12.20	20.31	32.51	46.00	-13.49	AVG	P
7	2.5215	24.93	20.32	45.25	56.00	-10.75	QP	P
8	2.5393	11.32	20.32	31.64	46.00	-14.36	AVG	P
9	3.5520	23.70	20.34	44.04	56.00	-11.96	QP	P
10	3.6105	10.43	20.34	30.77	46.00	-15.23	AVG	P
11	15.6478	20.33	20.49	40.82	60.00	-19.18	QP	P
12	15.9268	5.57	20.49	26.06	50.00	-23.94	AVG	P

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi - Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Reading level + Correct Factor.
4. Correct Factor = Liss factor+ Cable loss factor + limiter factor.
5. Margin = Measurement Level-Limit.
6. The test data shows only the worst case TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	N
Test Voltage:	AC 120V/60Hz	Test Mode :	TX - 2402MHz



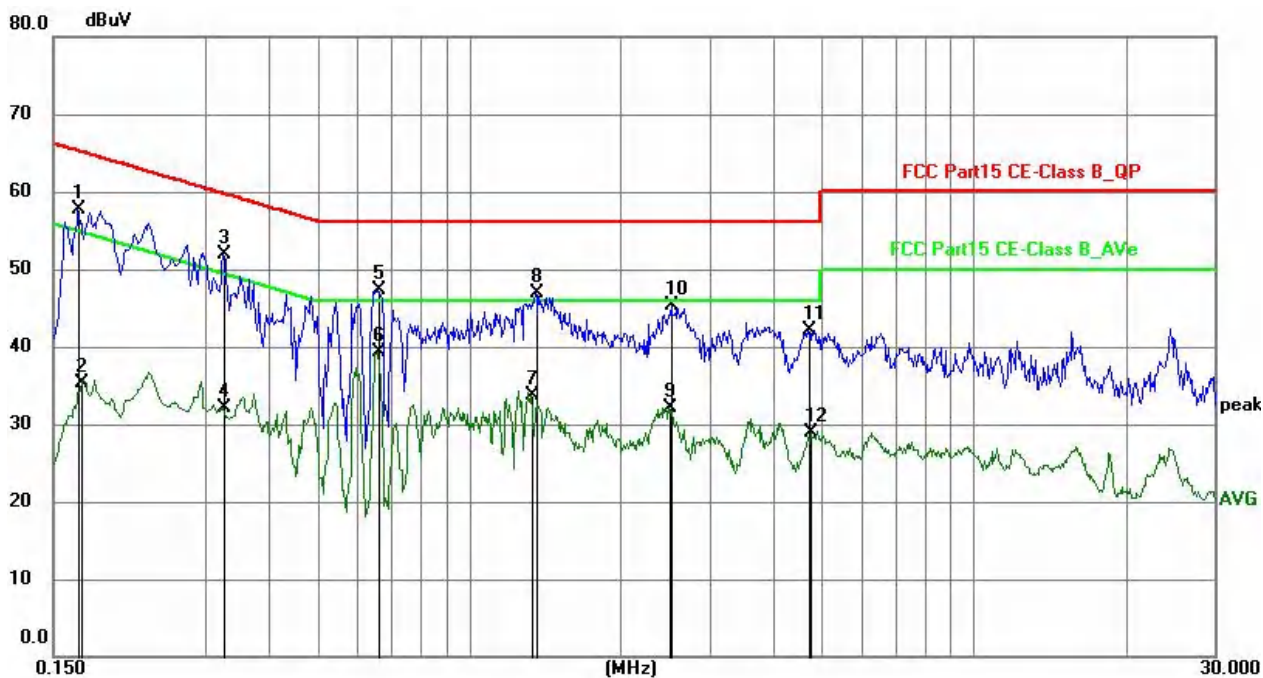
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1995	37.31	20.37	57.68	63.63	-5.95	QP	P
2	0.1995	15.73	20.37	36.10	53.63	-17.53	AVG	P
3	0.4107	30.93	20.32	51.25	57.63	-6.38	QP	P
4	0.4107	15.60	20.32	35.92	47.63	-11.71	AVG	P
5	0.6542	15.72	20.29	36.01	46.00	-9.99	AVG	P
6	0.6673	30.73	20.29	51.02	56.00	-4.98	QP	P
7	1.3064	28.06	20.31	48.37	56.00	-7.63	QP	P
8	1.3105	7.96	20.31	28.27	46.00	-17.73	AVG	P
9	2.3100	27.85	20.32	48.17	56.00	-7.83	QP	P
10	2.3549	7.45	20.32	27.77	46.00	-18.23	AVG	P
11	3.6465	26.67	20.33	47.00	56.00	-9.00	QP	P
12	3.6465	6.32	20.33	26.65	46.00	-19.35	AVG	P

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi - Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Reading level + Correct Factor.
4. Correct Factor = Lisen factor+ Cable loss factor + limiter factor.
5. Margin = Measurement Level-Limit.
6. The test data shows only the worst case TX - 2402MHz.

**CP30-air**

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	L
Test Voltage:	AC 120V/60Hz	Test Mode :	TX - 2402MHz



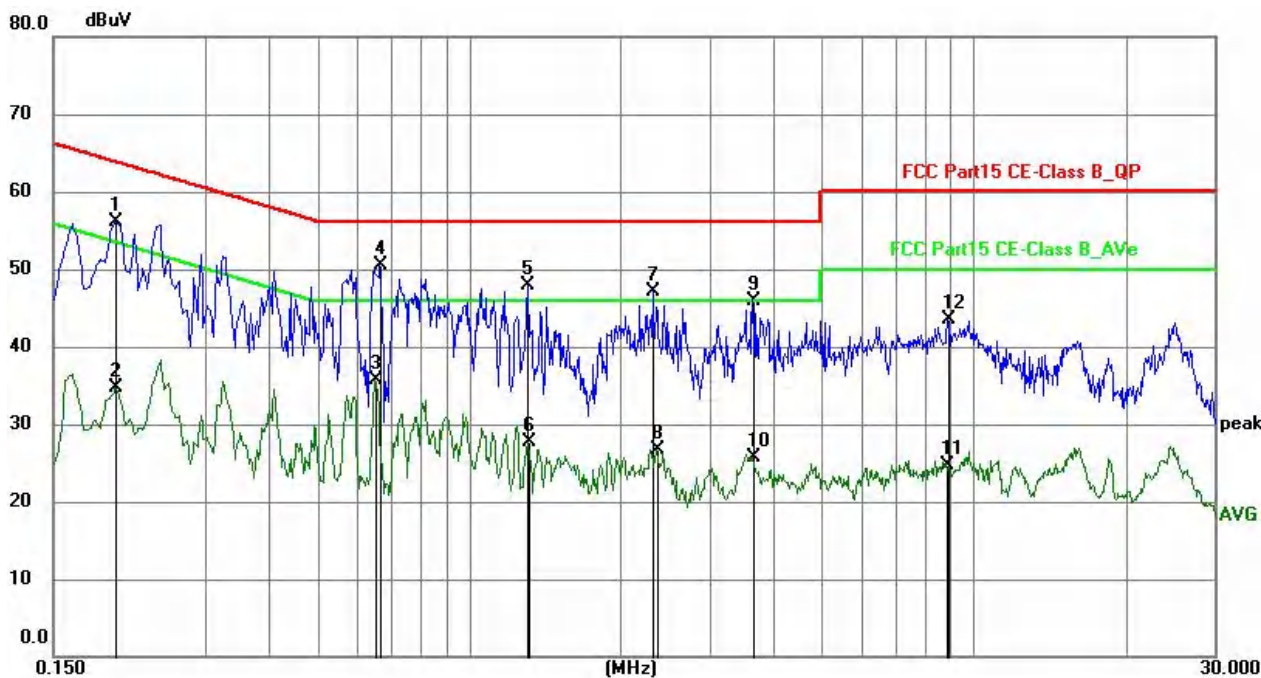
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1680	37.51	20.25	57.76	65.06	-7.30	QP	P
2	0.1703	15.14	20.26	35.40	54.95	-19.55	AVG	P
3	0.3255	31.63	20.34	51.97	59.57	-7.60	QP	P
4	0.3255	11.82	20.34	32.16	49.57	-17.41	AVG	P
5	0.6582	27.10	20.29	47.39	56.00	-8.61	QP	P
6	0.6582	18.97	20.29	39.26	46.00	-6.74	AVG	P
7	1.3244	13.31	20.31	33.62	46.00	-12.38	AVG	P
8	1.3559	26.64	20.31	46.95	56.00	-9.05	QP	P
9	2.4944	11.73	20.32	32.05	46.00	-13.95	AVG	P
10	2.5215	24.93	20.32	45.25	56.00	-10.75	QP	P
11	4.7130	21.79	20.35	42.14	56.00	-13.86	QP	P
12	4.7625	8.51	20.35	28.86	46.00	-17.14	AVG	P

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi - Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Reading level + Correct Factor.
4. Correct Factor = Lism factor+ Cable loss factor + limiter factor.
5. Margin = Measurement Level-Limit.
6. The test data shows only the worst case TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	N
Test Voltage:	AC 120V/60Hz	Test Mode :	TX - 2402MHz



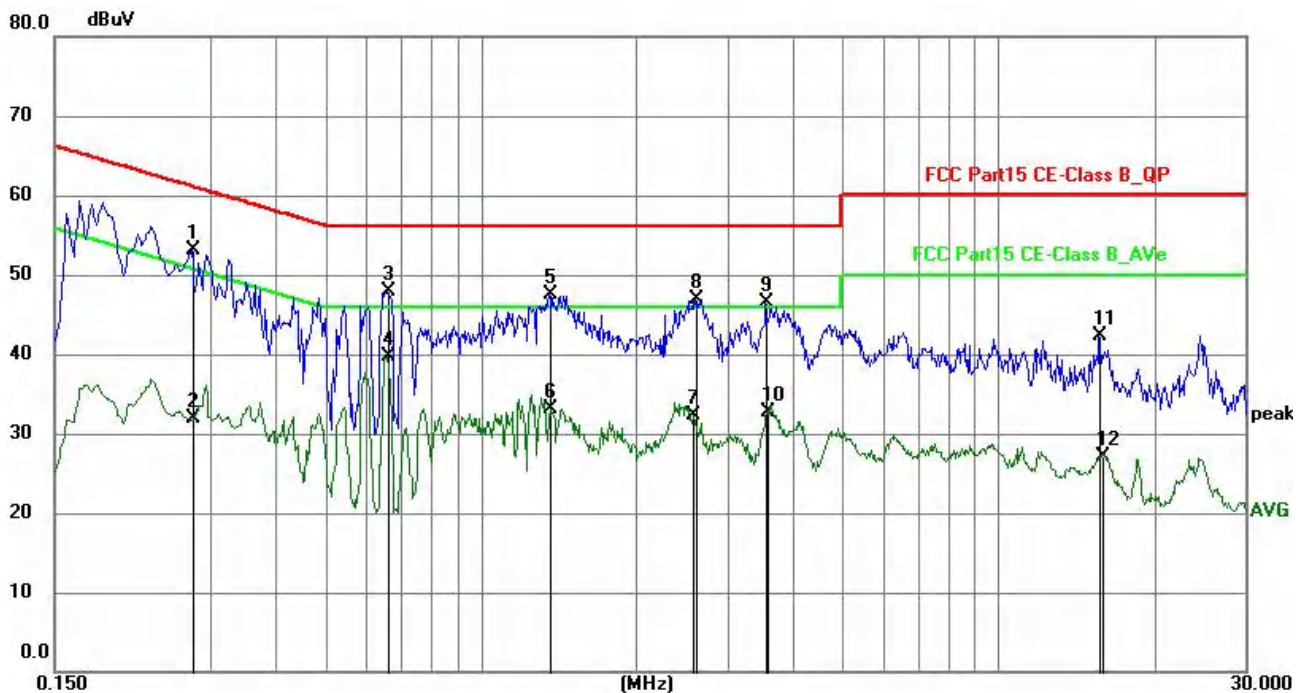
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1995	35.81	20.37	56.18	63.63	-7.45	QP	P
2	0.1995	14.30	20.37	34.67	53.63	-18.96	AVG	P
3	0.6539	15.34	20.29	35.63	46.00	-10.37	AVG	P
4	0.6673	30.23	20.29	50.52	56.00	-5.48	QP	P
5	1.3064	27.56	20.31	47.87	56.00	-8.13	QP	P
6	1.3104	7.46	20.31	27.77	46.00	-18.23	AVG	P
7	2.3100	26.85	20.32	47.17	56.00	-8.83	QP	P
8	2.3549	6.45	20.32	26.77	46.00	-19.23	AVG	P
9	3.6465	25.67	20.33	46.00	56.00	-10.00	QP	P
10	3.6465	5.32	20.33	25.65	46.00	-20.35	AVG	P
11	8.8483	4.23	20.44	24.67	50.00	-25.33	AVG	P
12	8.8978	23.12	20.44	43.56	60.00	-16.44	QP	P

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi - Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Reading level + Correct Factor.
4. Correct Factor = Lisen factor+ Cable loss factor + limiter factor.
5. Margin = Measurement Level-Limit.
6. The test data shows only the worst case TX - 2402MHz.

**CP30-air2**

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	L
Test Voltage:	AC 120V/60Hz	Test Mode :	TX - 2402MHz



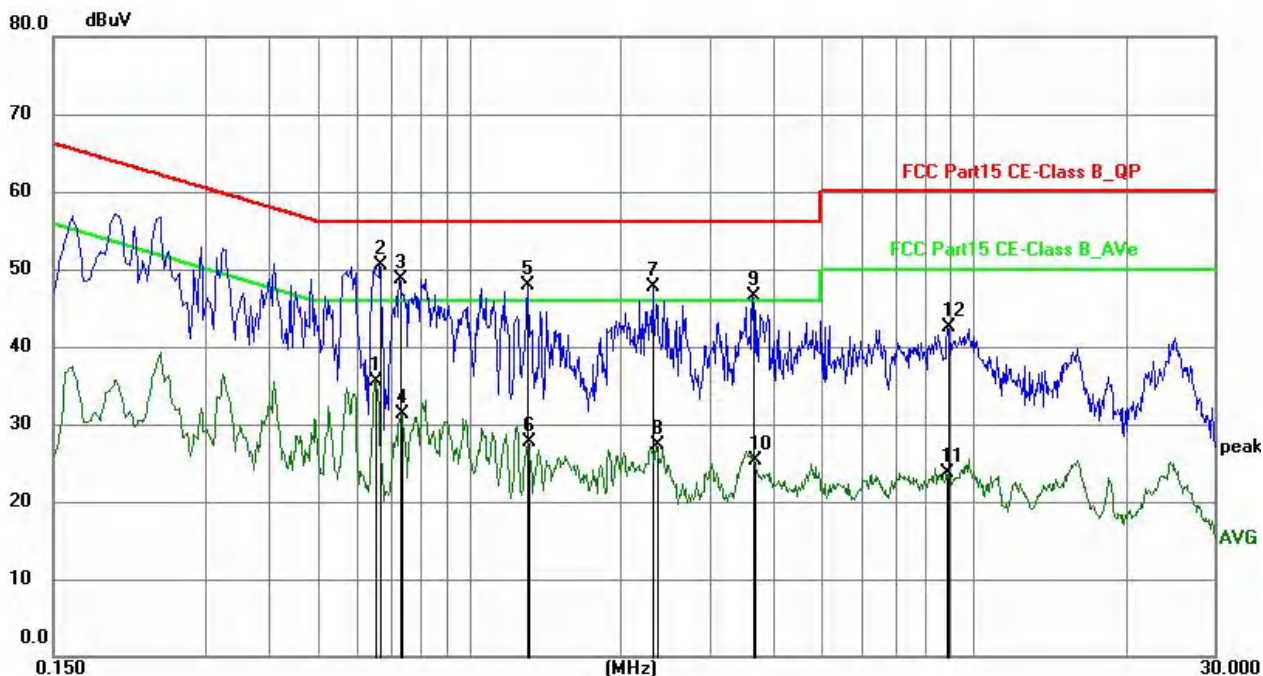
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.2760	32.69	20.35	53.04	60.94	-7.90	QP	P
2	0.2787	11.55	20.35	31.90	50.85	-18.95	AVG	P
3	0.6582	27.60	20.29	47.89	56.00	-8.11	QP	P
4	0.6582	19.47	20.29	39.76	46.00	-6.24	AVG	P
5	1.3559	27.14	20.31	47.45	56.00	-8.55	QP	P
6	1.3649	12.70	20.31	33.01	46.00	-12.99	AVG	P
7	2.5800	11.98	20.32	32.30	46.00	-13.70	AVG	P
8	2.6070	26.63	20.32	46.95	56.00	-9.05	QP	P
9	3.5520	26.20	20.34	46.54	56.00	-9.46	QP	P
10	3.5790	12.43	20.34	32.77	46.00	-13.23	AVG	P
11	15.6478	21.83	20.49	42.32	60.00	-17.68	QP	P
12	15.8550	6.60	20.49	27.09	50.00	-22.91	AVG	P

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi - Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Reading level + Correct Factor.
4. Correct Factor = Liss factor+ Cable loss factor + limiter factor.
5. Margin = Measurement Level-Limit.
6. The test data shows only the worst case TX - 2402MHz.



Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	N
Test Voltage:	AC 120V/60Hz	Test Mode :	TX - 2402MHz



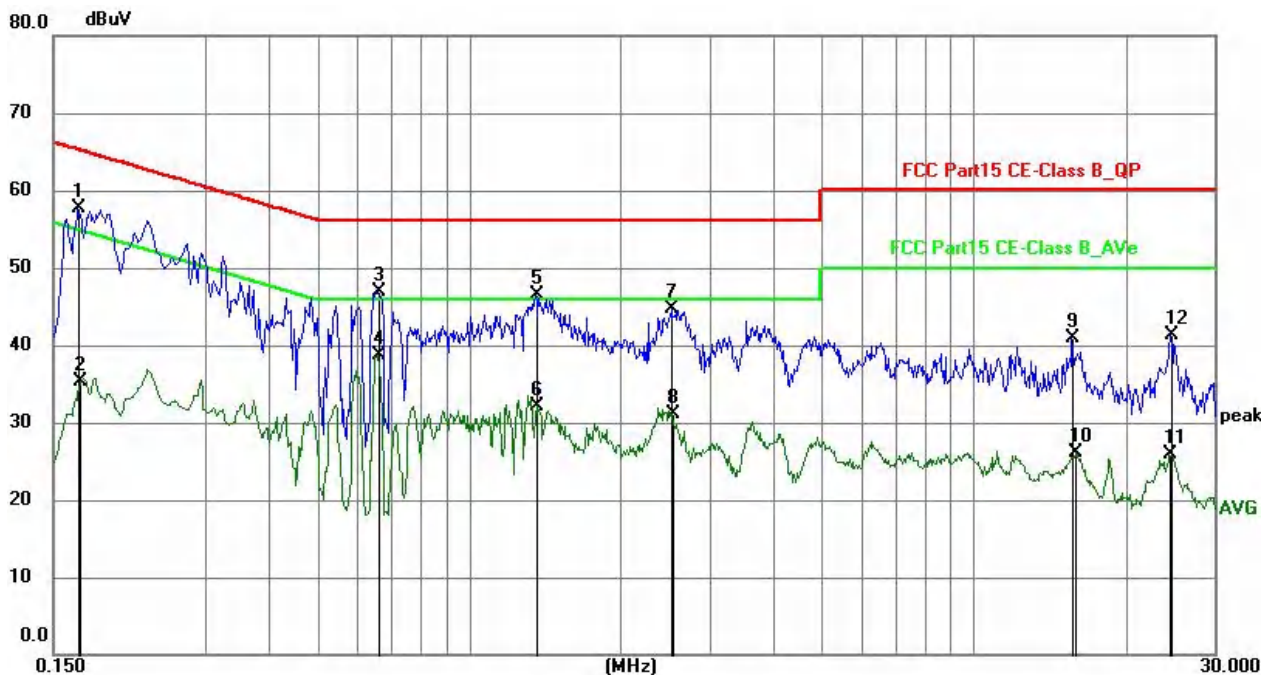
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.6542	15.22	20.29	35.51	46.00	-10.49	AVG	P
2	0.6673	30.23	20.29	50.52	56.00	-5.48	QP	P
3	0.7304	28.48	20.29	48.77	56.00	-7.23	QP	P
4	0.7347	11.05	20.29	31.34	46.00	-14.66	AVG	P
5	1.3064	27.56	20.31	47.87	56.00	-8.13	QP	P
6	1.3104	7.46	20.31	27.77	46.00	-18.23	AVG	P
7	2.3100	27.35	20.32	47.67	56.00	-8.33	QP	P
8	2.3549	6.95	20.32	27.27	46.00	-18.73	AVG	P
9	3.6465	26.17	20.33	46.50	56.00	-9.50	QP	P
10	3.6690	5.04	20.33	25.37	46.00	-20.63	AVG	P
11	8.8483	3.23	20.44	23.67	50.00	-26.33	AVG	P
12	8.8978	22.12	20.44	42.56	60.00	-17.44	QP	P

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi - Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Reading level + Correct Factor.
4. Correct Factor = Lism factor+ Cable loss factor + limiter factor.
5. Margin = Measurement Level-Limit.
6. The test data shows only the worst case TX - 2402MHz.

**CP30-air3**

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	L
Test Voltage:	AC 120V/60Hz	Test Mode :	TX - 2402MHz



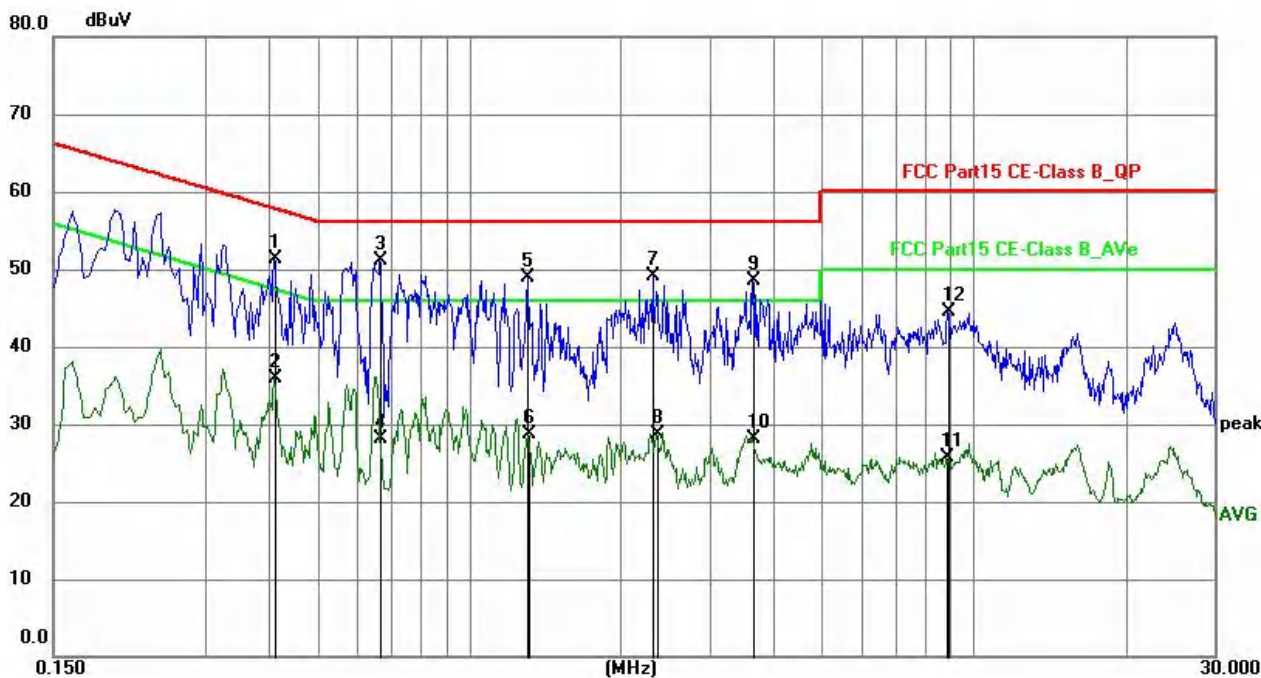
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1680	37.51	20.25	57.76	65.06	-7.30	QP	P
2	0.1693	15.03	20.26	35.29	54.99	-19.70	AVG	P
3	0.6582	26.60	20.29	46.89	56.00	-9.11	QP	P
4	0.6582	18.47	20.29	38.76	46.00	-7.24	AVG	P
5	1.3559	26.14	20.31	46.45	56.00	-9.55	QP	P
6	1.3649	11.70	20.31	32.01	46.00	-13.99	AVG	P
7	2.5215	24.43	20.32	44.75	56.00	-11.25	QP	P
8	2.5393	10.82	20.32	31.14	46.00	-14.86	AVG	P
9	15.6478	20.33	20.49	40.82	60.00	-19.18	QP	P
10	15.9268	5.57	20.49	26.06	50.00	-23.94	AVG	P
11	24.4860	5.22	20.62	25.84	50.00	-24.16	AVG	P
12	24.5985	20.67	20.62	41.29	60.00	-18.71	QP	P

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi - Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Reading level + Correct Factor.
4. Correct Factor = Lism factor+ Cable loss factor + limiter factor.
5. Margin = Measurement Level-Limit.
6. The test data shows only the worst case TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	N
Test Voltage:	AC 120V/60Hz	Test Mode :	TX - 2402MHz



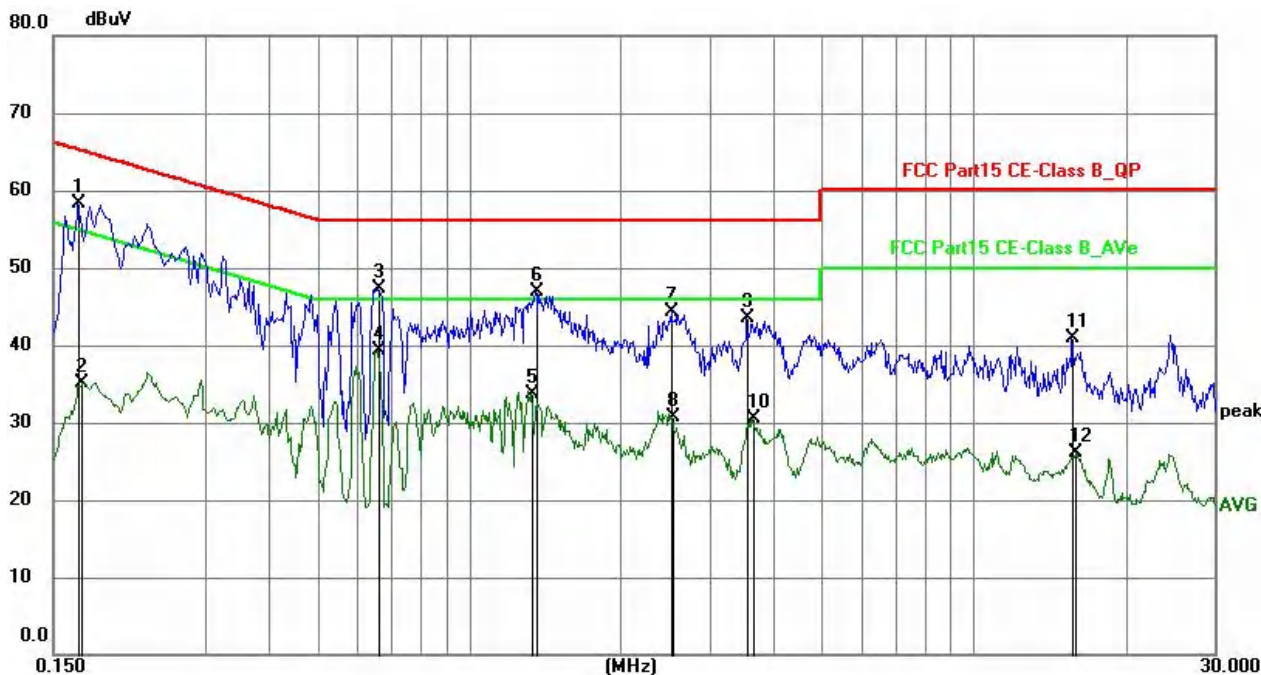
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.4107	30.93	20.32	51.25	57.63	-6.38	QP	P
2	0.4107	15.60	20.32	35.92	47.63	-11.71	AVG	P
3	0.6673	30.73	20.29	51.02	56.00	-4.98	QP	P
4	0.6673	7.80	20.29	28.09	46.00	-17.91	AVG	P
5	1.3064	28.56	20.31	48.87	56.00	-7.13	QP	P
6	1.3104	8.46	20.31	28.77	46.00	-17.23	AVG	P
7	2.3100	28.85	20.32	49.17	56.00	-6.83	QP	P
8	2.3549	8.45	20.32	28.77	46.00	-17.23	AVG	P
9	3.6465	28.17	20.33	48.50	56.00	-7.50	QP	P
10	3.6465	7.82	20.33	28.15	46.00	-17.85	AVG	P
11	8.8483	5.23	20.44	25.67	50.00	-24.33	AVG	P
12	8.8978	24.12	20.44	44.56	60.00	-15.44	QP	P

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi - Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Reading level + Correct Factor.
4. Correct Factor = Lism factor+ Cable loss factor + limiter factor.
5. Margin = Measurement Level-Limit.
6. The test data shows only the worst case TX - 2402MHz.

**CP30-air5**

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	L
Test Voltage:	AC 120V/60Hz	Test Mode :	TX - 2402MHz



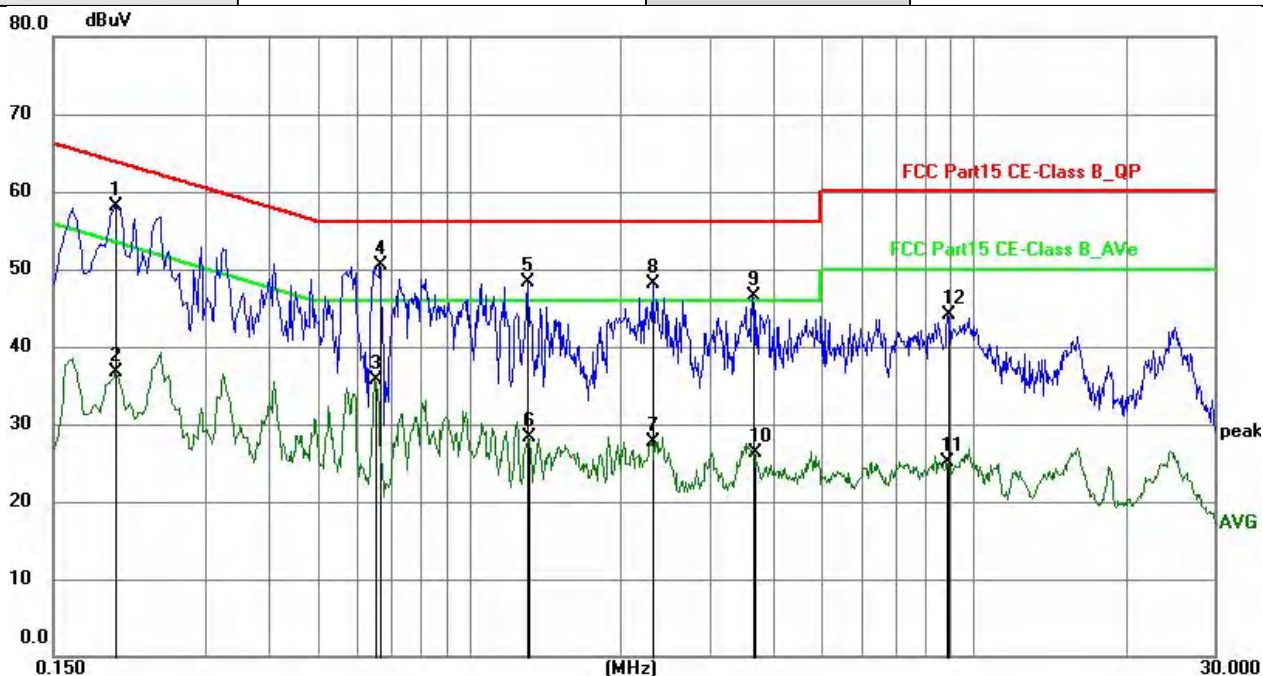
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1680	38.01	20.25	58.26	65.06	-6.80	QP	P
2	0.1711	14.76	20.26	35.02	54.91	-19.89	AVG	P
3	0.6582	27.10	20.29	47.39	56.00	-8.61	QP	P
4	0.6582	18.97	20.29	39.26	46.00	-6.74	AVG	P
5	1.3244	13.31	20.31	33.62	46.00	-12.38	AVG	P
6	1.3559	26.64	20.31	46.95	56.00	-9.05	QP	P
7	2.5215	23.93	20.32	44.25	56.00	-11.75	QP	P
8	2.5393	10.32	20.32	30.64	46.00	-15.36	AVG	P
9	3.5520	23.20	20.34	43.54	56.00	-12.46	QP	P
10	3.6600	10.24	20.34	30.58	46.00	-15.42	AVG	P
11	15.6478	20.33	20.49	40.82	60.00	-19.18	QP	P
12	15.9268	5.57	20.49	26.06	50.00	-23.94	AVG	P

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi - Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Reading level + Correct Factor.
4. Correct Factor = Lism factor+ Cable loss factor + limiter factor.
5. Margin = Measurement Level-Limit.
6. The test data shows only the worst case TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	N
Test Voltage:	AC 120V/60Hz	Test Mode :	TX - 2402MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1995	37.81	20.37	58.18	63.63	-5.45	QP	P
2	0.1995	16.30	20.37	36.67	53.63	-16.96	AVG	P
3	0.6539	15.34	20.29	35.63	46.00	-10.37	AVG	P
4	0.6673	30.23	20.29	50.52	56.00	-5.48	QP	P
5	1.3064	28.06	20.31	48.37	56.00	-7.63	QP	P
6	1.3104	7.96	20.31	28.27	46.00	-17.73	AVG	P
7	2.3054	7.43	20.32	27.75	46.00	-18.25	AVG	P
8	2.3100	27.85	20.32	48.17	56.00	-7.83	QP	P
9	3.6465	26.17	20.33	46.50	56.00	-9.50	QP	P
10	3.6690	6.04	20.33	26.37	46.00	-19.63	AVG	P
11	8.8483	4.73	20.44	25.17	50.00	-24.83	AVG	P
12	8.8978	23.62	20.44	44.06	60.00	-15.94	QP	P

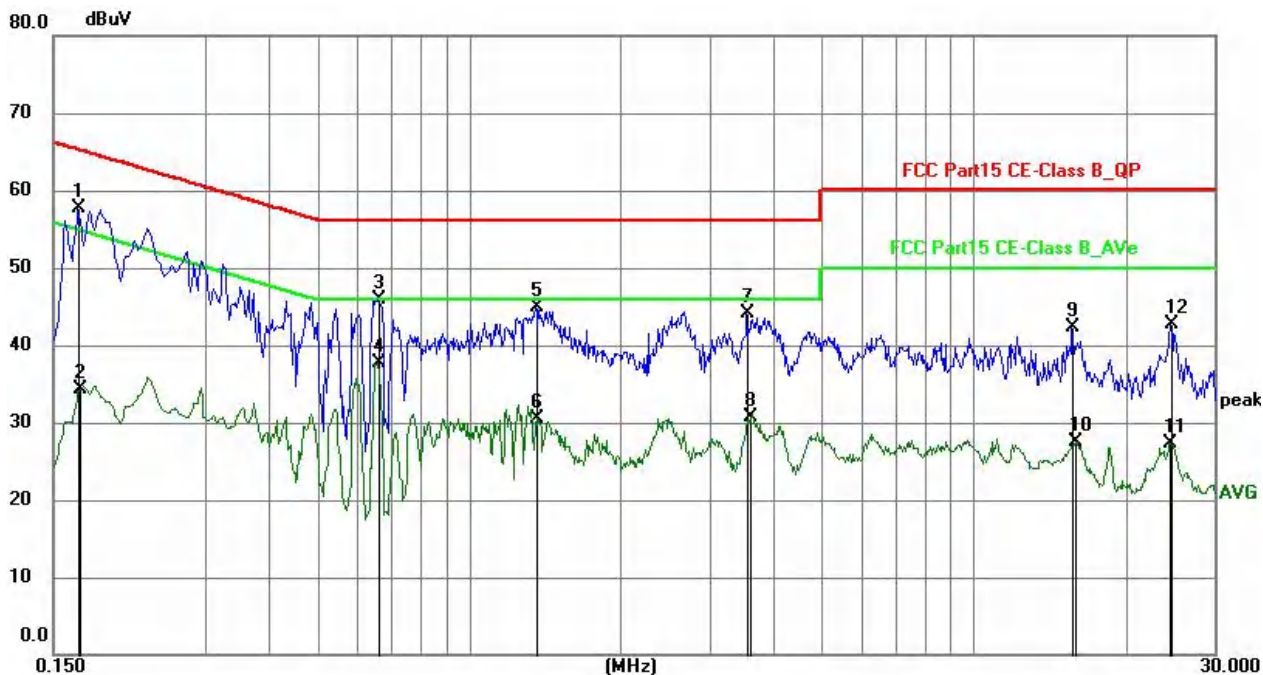
Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi - Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Reading level + Correct Factor.
4. Correct Factor = Lism factor+ Cable loss factor + limiter factor.
5. Margin = Measurement Level-Limit.
6. The test data shows only the worst case TX - 2402MHz.



CP30-air6

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	L
Test Voltage:	AC 120V/60Hz	Test Mode :	TX - 2402MHz



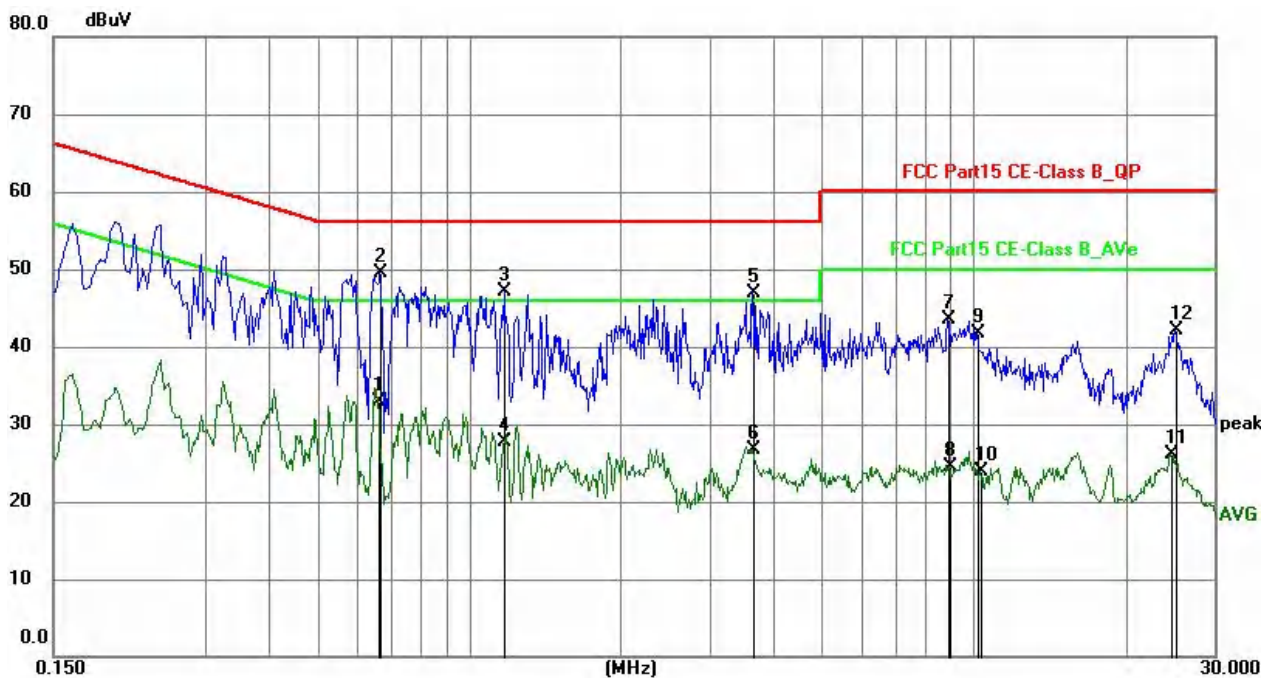
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1680	37.51	20.25	57.76	65.06	-7.30	QP	P
2	0.1693	14.03	20.26	34.29	54.99	-20.70	AVG	P
3	0.6582	25.60	20.29	45.89	56.00	-10.11	QP	P
4	0.6582	17.47	20.29	37.76	46.00	-8.24	AVG	P
5	1.3559	24.64	20.31	44.95	56.00	-11.05	QP	P
6	1.3649	10.20	20.31	30.51	46.00	-15.49	AVG	P
7	3.5520	23.70	20.34	44.04	56.00	-11.96	QP	P
8	3.6105	10.43	20.34	30.77	46.00	-15.23	AVG	P
9	15.6478	21.83	20.49	42.32	60.00	-17.68	QP	P
10	15.9268	7.07	20.49	27.56	50.00	-22.44	AVG	P
11	24.4860	6.72	20.62	27.34	50.00	-22.66	AVG	P
12	24.5985	22.17	20.62	42.79	60.00	-17.21	QP	P

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi - Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Reading level + Correct Factor.
4. Correct Factor = Lisen factor+ Cable loss factor + limiter factor.
5. Margin = Measurement Level-Limit.
6. The test data shows only the worst case TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	N
Test Voltage:	AC 120V/60Hz	Test Mode :	TX - 2402MHz



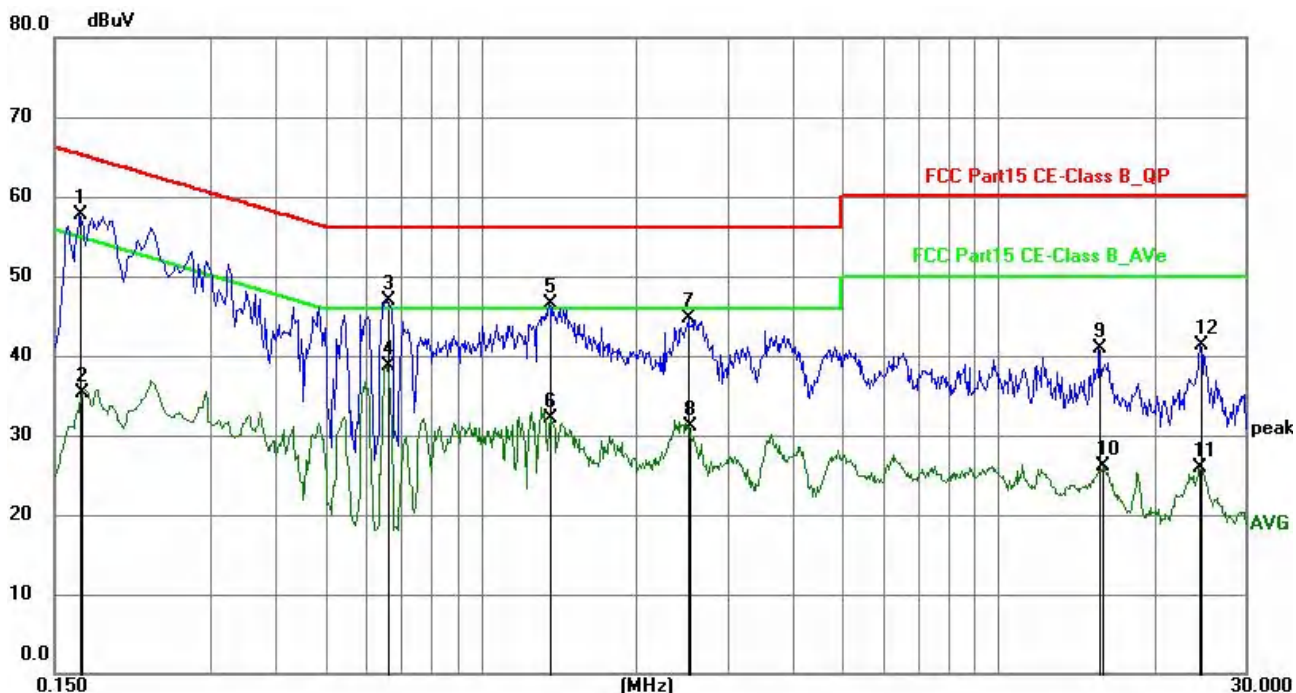
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.6582	12.56	20.29	32.85	46.00	-13.15	AVG	P
2	0.6673	29.23	20.29	49.52	56.00	-6.48	QP	P
3	1.1754	26.84	20.30	47.14	56.00	-8.86	QP	P
4	1.1754	7.44	20.30	27.74	46.00	-18.26	AVG	P
5	3.6465	26.67	20.33	47.00	56.00	-9.00	QP	P
6	3.6465	6.32	20.33	26.65	46.00	-19.35	AVG	P
7	8.8978	23.12	20.44	43.56	60.00	-16.44	QP	P
8	8.9565	4.04	20.44	24.48	50.00	-25.52	AVG	P
9	10.1623	21.26	20.47	41.73	60.00	-18.27	QP	P
10	10.2926	3.44	20.47	23.91	50.00	-26.09	AVG	P
11	24.6431	5.41	20.66	26.07	50.00	-23.93	AVG	P
12	25.1340	21.38	20.66	42.04	60.00	-17.96	QP	P

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi - Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Reading level + Correct Factor.
4. Correct Factor = Lisen factor+ Cable loss factor + limiter factor.
5. Margin = Measurement Level-Limit.
6. The test data shows only the worst case TX - 2402MHz.

**CP30-air7**

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	L
Test Voltage:	AC 120V/60Hz	Test Mode :	TX - 2402MHz



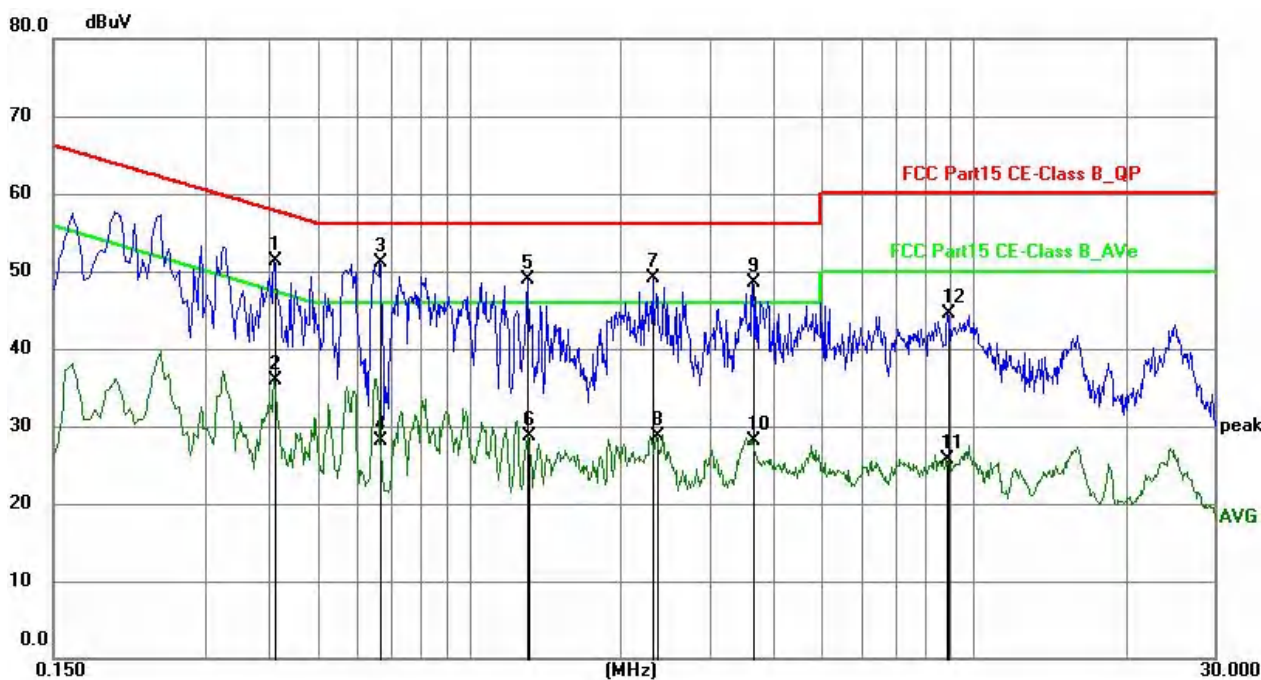
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1680	37.51	20.25	57.76	65.06	-7.30	QP	P
2	0.1693	15.03	20.26	35.29	54.99	-19.70	AVG	P
3	0.6582	26.60	20.29	46.89	56.00	-9.11	QP	P
4	0.6582	18.47	20.29	38.76	46.00	-7.24	AVG	P
5	1.3559	26.14	20.31	46.45	56.00	-9.55	QP	P
6	1.3649	11.70	20.31	32.01	46.00	-13.99	AVG	P
7	2.5215	24.43	20.32	44.75	56.00	-11.25	QP	P
8	2.5393	10.82	20.32	31.14	46.00	-14.86	AVG	P
9	15.6478	20.33	20.49	40.82	60.00	-19.18	QP	P
10	15.9268	5.57	20.49	26.06	50.00	-23.94	AVG	P
11	24.4860	5.22	20.62	25.84	50.00	-24.16	AVG	P
12	24.5985	20.67	20.62	41.29	60.00	-18.71	QP	P

Notes:

7. An initial pre-scan was performed on the line and neutral lines with peak detector.
8. Quasi - Peak and Average measurement were performed at the frequencies with maximized peak emission.
9. Final Level = Reading level + Correct Factor.
10. Correct Factor = Lism factor+ Cable loss factor + limiter factor.
11. Margin = Measurement Level-Limit.
12. The test data shows only the worst case TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	N
Test Voltage:	AC 120V/60Hz	Test Mode :	TX - 2402MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.4107	30.93	20.32	51.25	57.63	-6.38	QP	P
2	0.4107	15.60	20.32	35.92	47.63	-11.71	AVG	P
3	0.6673	30.73	20.29	51.02	56.00	-4.98	QP	P
4	0.6673	7.80	20.29	28.09	46.00	-17.91	AVG	P
5	1.3064	28.56	20.31	48.87	56.00	-7.13	QP	P
6	1.3104	8.46	20.31	28.77	46.00	-17.23	AVG	P
7	2.3100	28.85	20.32	49.17	56.00	-6.83	QP	P
8	2.3549	8.45	20.32	28.77	46.00	-17.23	AVG	P
9	3.6465	28.17	20.33	48.50	56.00	-7.50	QP	P
10	3.6465	7.82	20.33	28.15	46.00	-17.85	AVG	P
11	8.8483	5.23	20.44	25.67	50.00	-24.33	AVG	P
12	8.8978	24.12	20.44	44.56	60.00	-15.44	QP	P

Notes:

7. An initial pre-scan was performed on the line and neutral lines with peak detector.
8. Quasi - Peak and Average measurement were performed at the frequencies with maximized peak emission.
9. Final Level = Reading level + Correct Factor.
10. Correct Factor = Lism factor+ Cable loss factor + limiter factor.
11. Margin = Measurement Level-Limit.
12. The test data shows only the worst case TX - 2402MHz.

**4.2 RADIATED EMISSION MEASUREMENT**

Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.10:2013				
Test Frequency Range:	9kHz to 25GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
	150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average

4.2.1 RADIATED EMISSION LIMITS

Frequencies (MHz)	Field Strength (micровolts/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

LIMITS OF RADIATED EMISSION MEASUREMENT

FREQUENCY (MHz)	Limit (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

4.2.2 TEST PROCEDURE

- The measuring distance of at 3 m shall be used for measurements at frequency up to 25GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-chamber test. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment or of the substitution antenna shall be 0.8m; above 1GHz, the height was 1.5m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.
- For the radiated emission test above 1GHz:
Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response.
The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

Note:

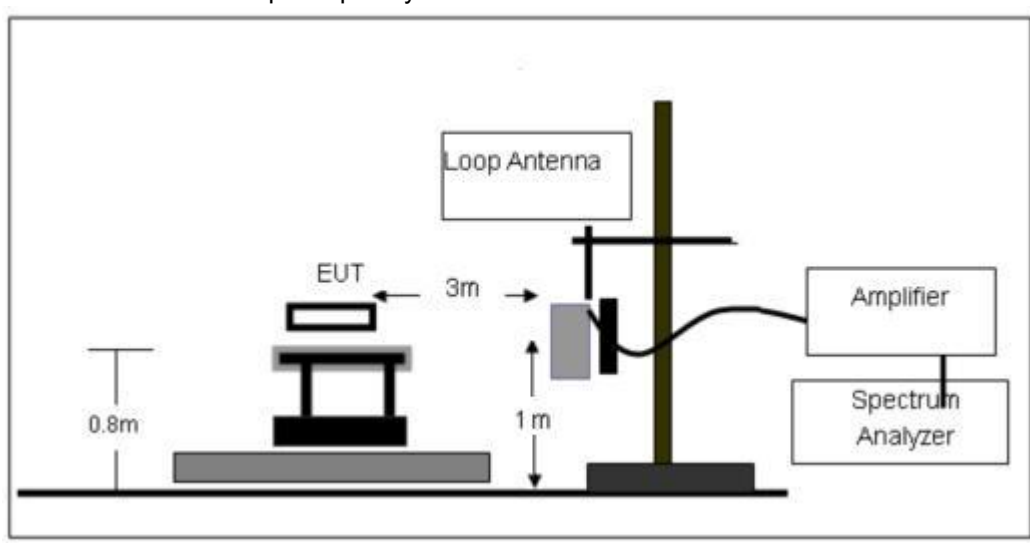
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

4.2.3 DEVIATION FROM TEST STANDARD

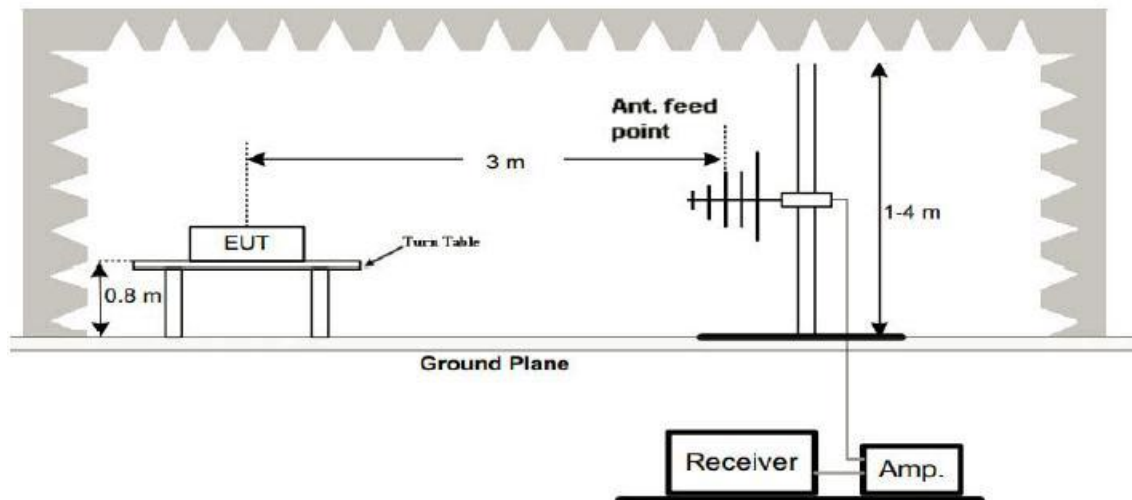
No deviation

4.2.4 TEST SETUP

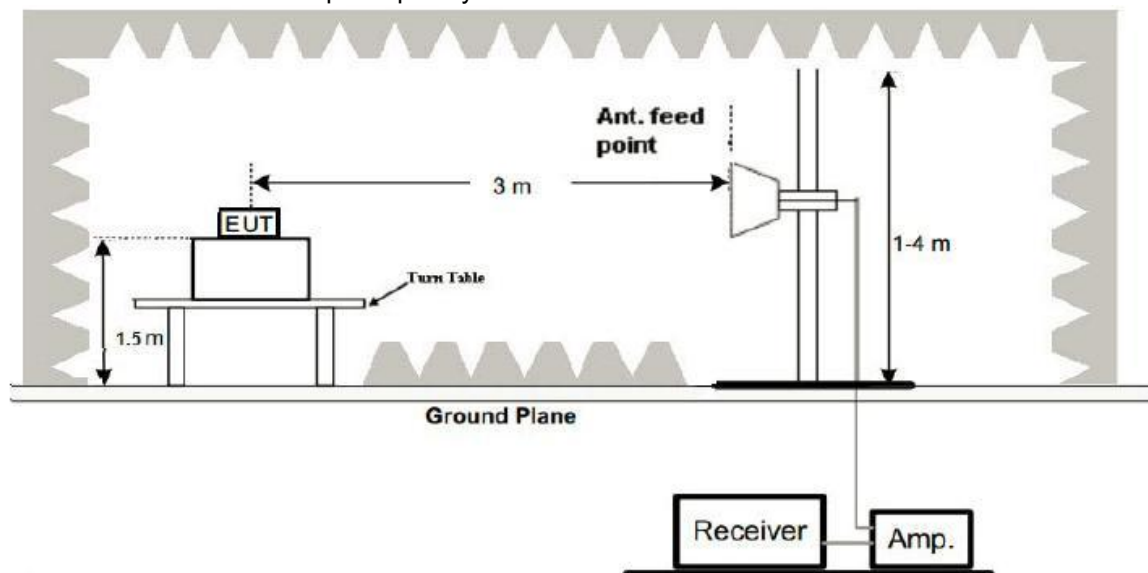
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



4.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 4.2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

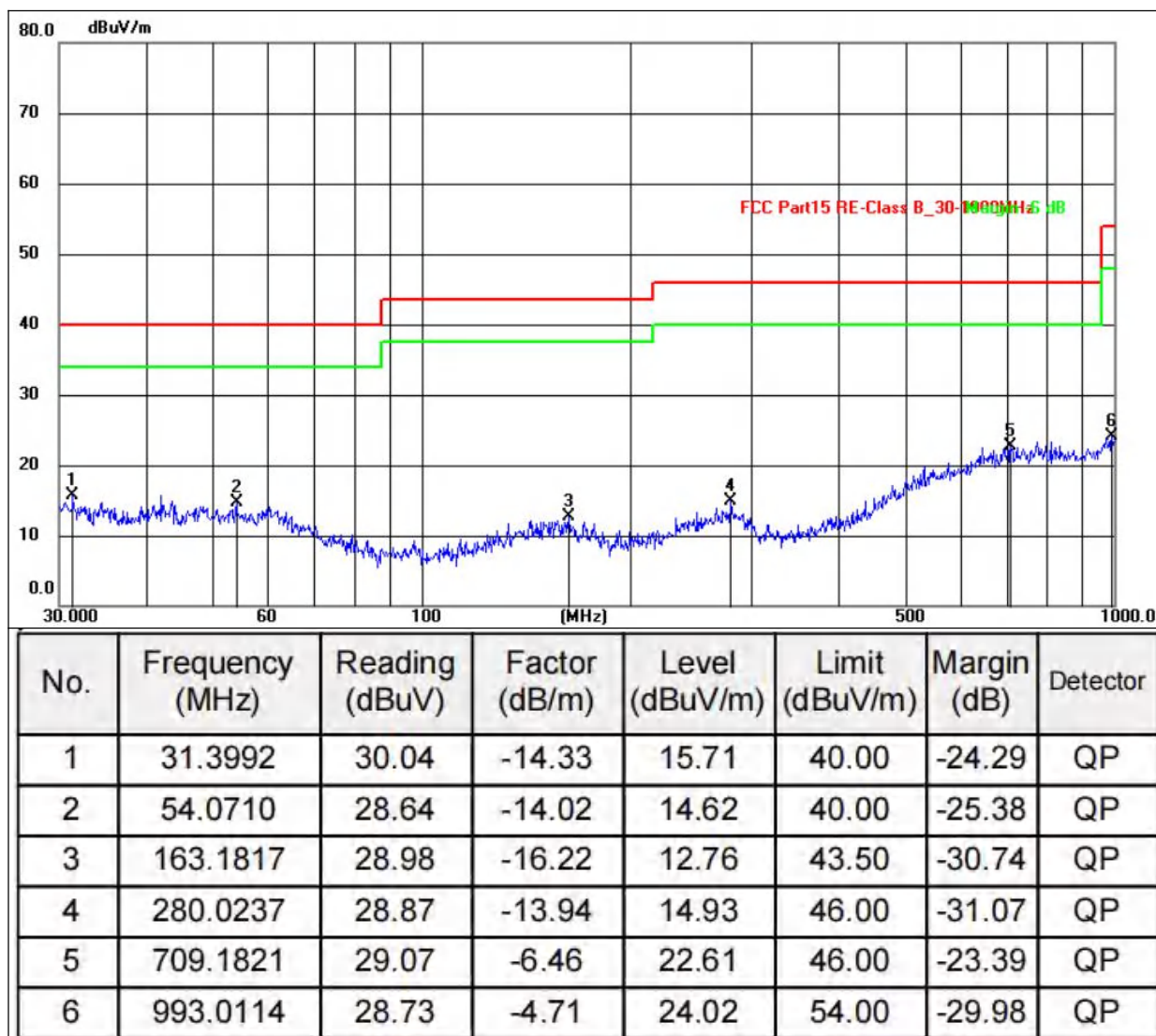
4.2.6 TEST RESULTS (Between 9KHz – 30 MHz)

The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o) & RSS-Gen 6.13, the test result no need to reported.



Between 30MHz – 1GHz

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 5V	Test Mode :	A5 Mini K TX - 2402MHz

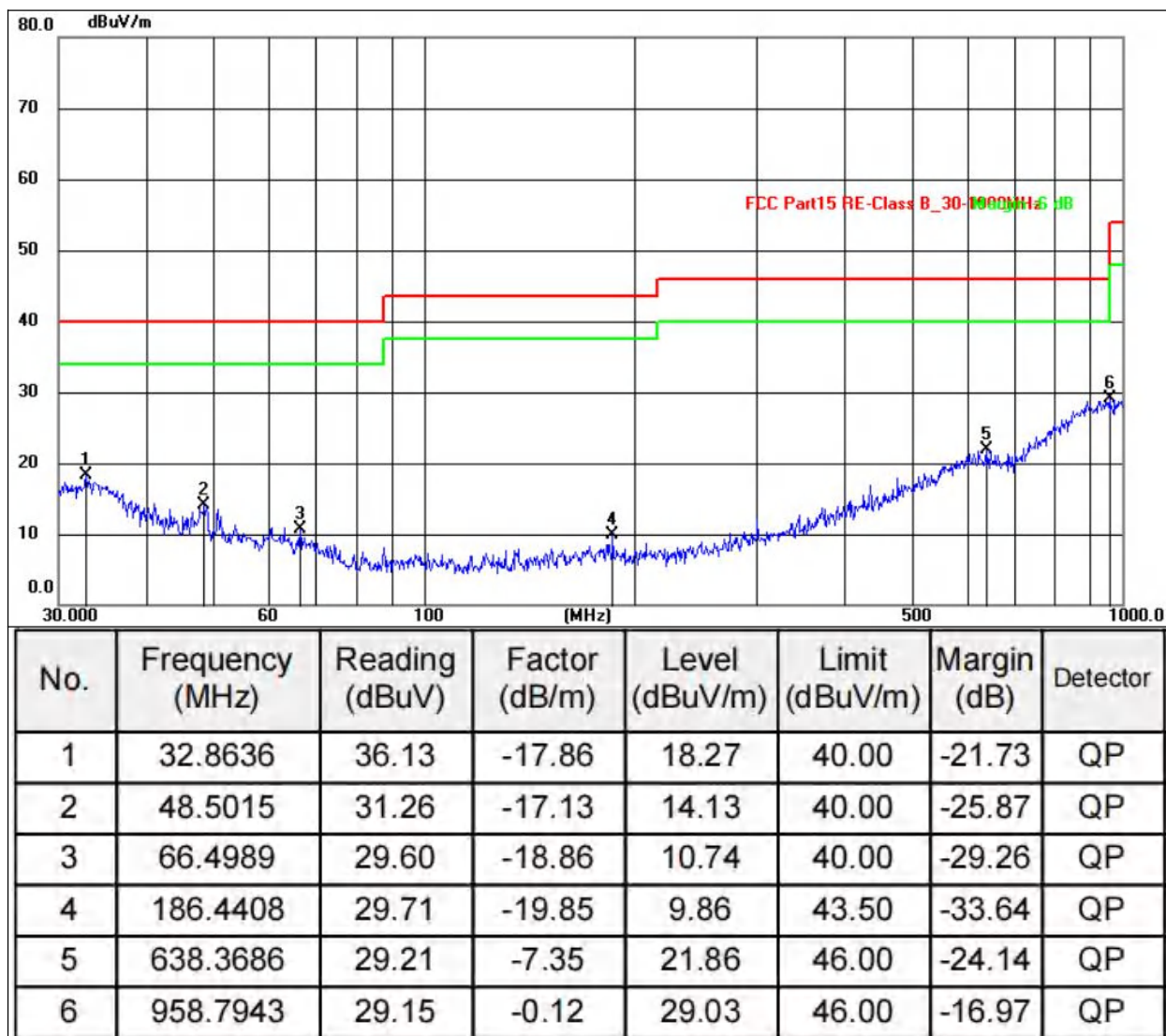


Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi - Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin = Measurement Level-Limit.
7. The test data shows only the worst case A5 Mini K TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 5V	Test Mode :	A5 Mini K TX - 2402MHz

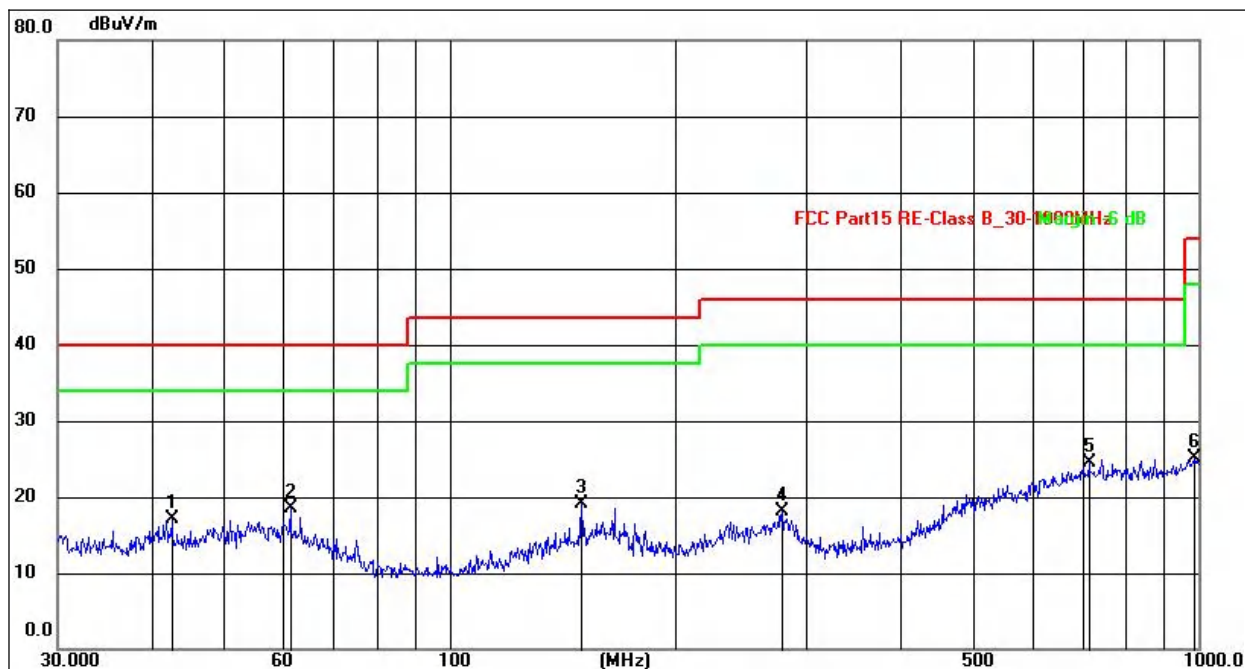


Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi - Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor= Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin= Measurement Level-Limit.
7. The test data shows only the worst case A5 Mini K TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 5V	Test Mode :	A5MINI F-S TX - 2402MHz



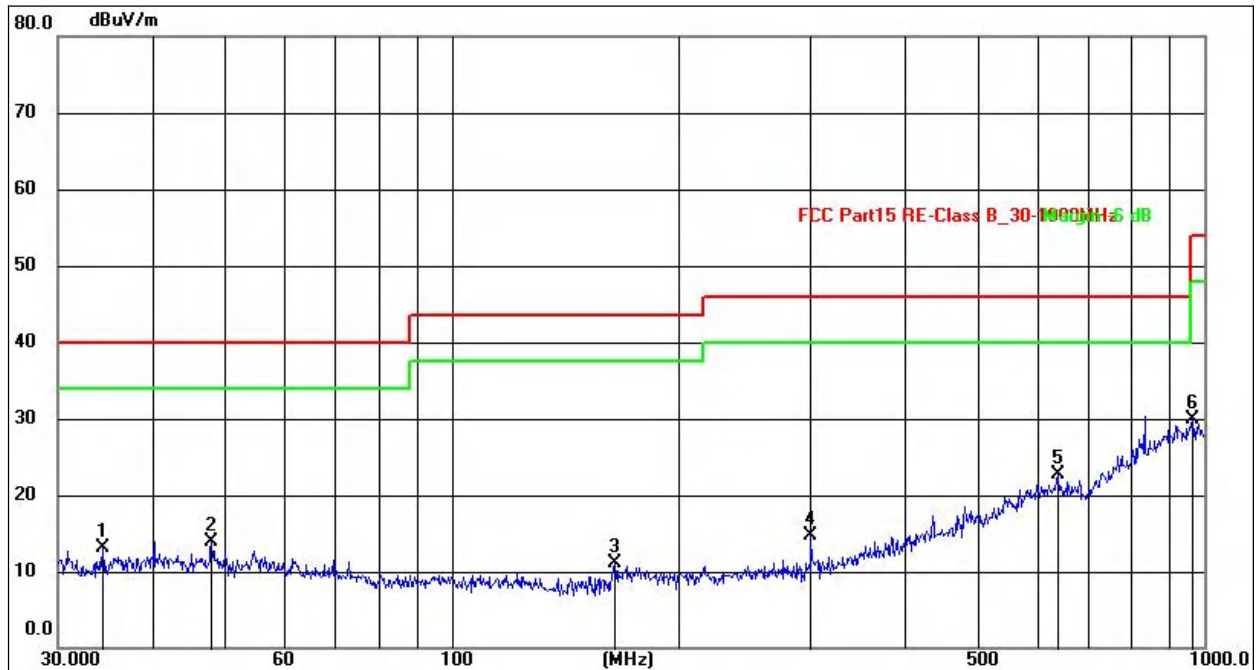
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	42.6000	31.05	-14.00	17.05	40.00	-22.95	QP
2	61.3462	33.04	-14.49	18.55	40.00	-21.45	QP
3	150.0107	35.41	-16.35	19.06	43.50	-24.44	QP
4	278.0668	32.16	-14.06	18.10	46.00	-27.90	QP
5	714.1733	30.91	-6.46	24.45	46.00	-21.55	QP
6	989.5353	29.80	-4.78	25.02	54.00	-28.98	QP

Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi - Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin = Measurement Level-Limit.
7. The test data shows only the worst case A5MINI F-S TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 5V	Test Mode :	A5MINI F-S TX - 2402MHz



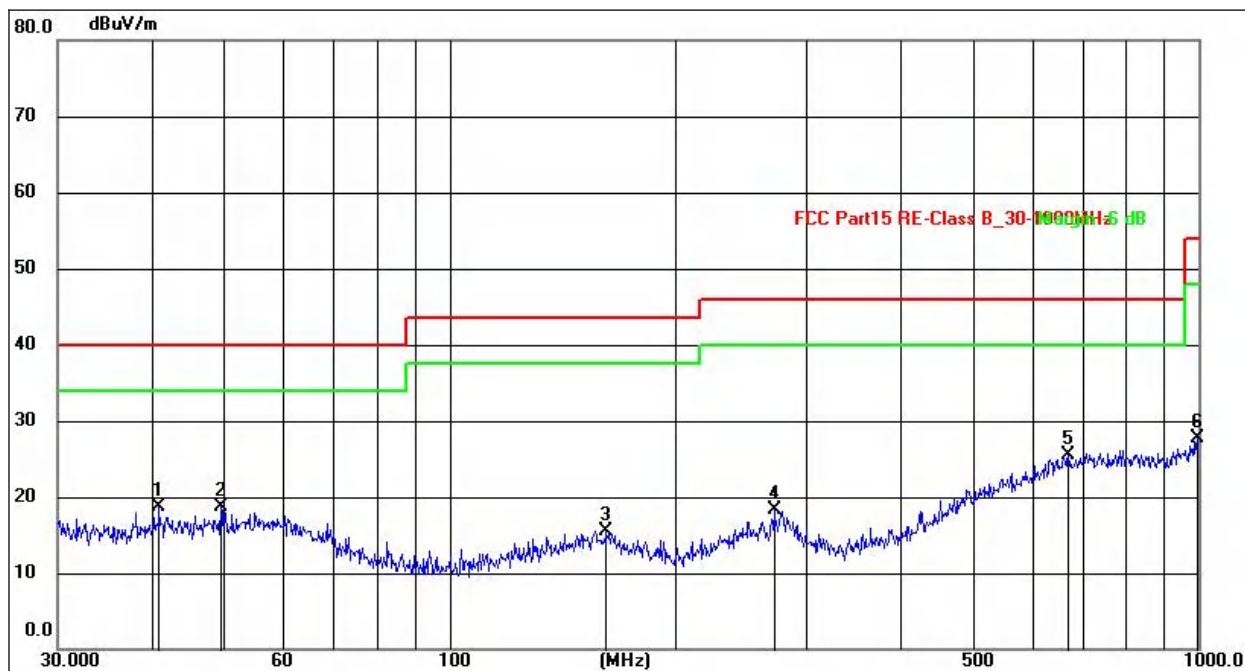
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	34.3962	30.73	-17.60	13.13	40.00	-26.87	QP
2	47.9938	30.92	-17.09	13.83	40.00	-26.17	QP
3	164.9072	31.06	-19.87	11.19	43.50	-32.31	QP
4	300.3672	32.54	-17.89	14.65	46.00	-31.35	QP
5	638.3686	30.07	-7.35	22.72	46.00	-23.28	QP
6	965.5420	30.08	-0.08	30.00	54.00	-24.00	QP

Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi - Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin = Measurement Level-Limit.
7. The test data shows only the worst case A5MINI F-S TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 5V	Test Mode :	A5MINI I TX - 2402MHz



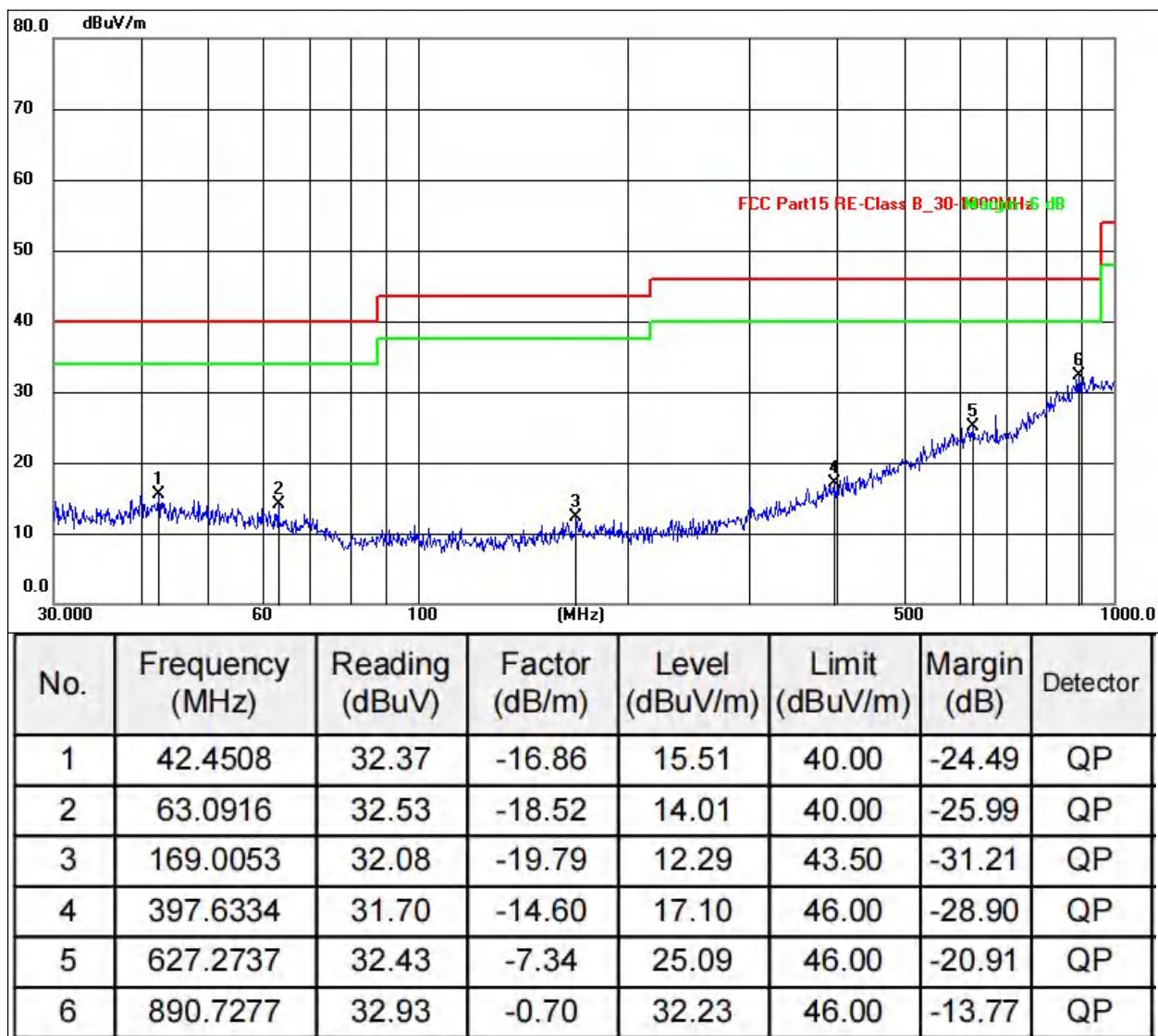
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	40.9880	32.81	-14.02	18.79	40.00	-21.21	QP
2	49.5328	32.58	-13.94	18.64	40.00	-21.36	QP
3	162.0413	31.67	-16.12	15.55	43.50	-27.95	QP
4	271.3245	32.69	-14.48	18.21	46.00	-27.79	QP
5	670.4892	32.46	-7.01	25.45	46.00	-20.55	QP
6	996.4995	32.24	-4.63	27.61	54.00	-26.39	QP

Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi - Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin = Measurement Level-Limit.
7. The test data shows only the worst case A5MINI I TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 5V	Test Mode :	A5MINI I TX - 2402MHz

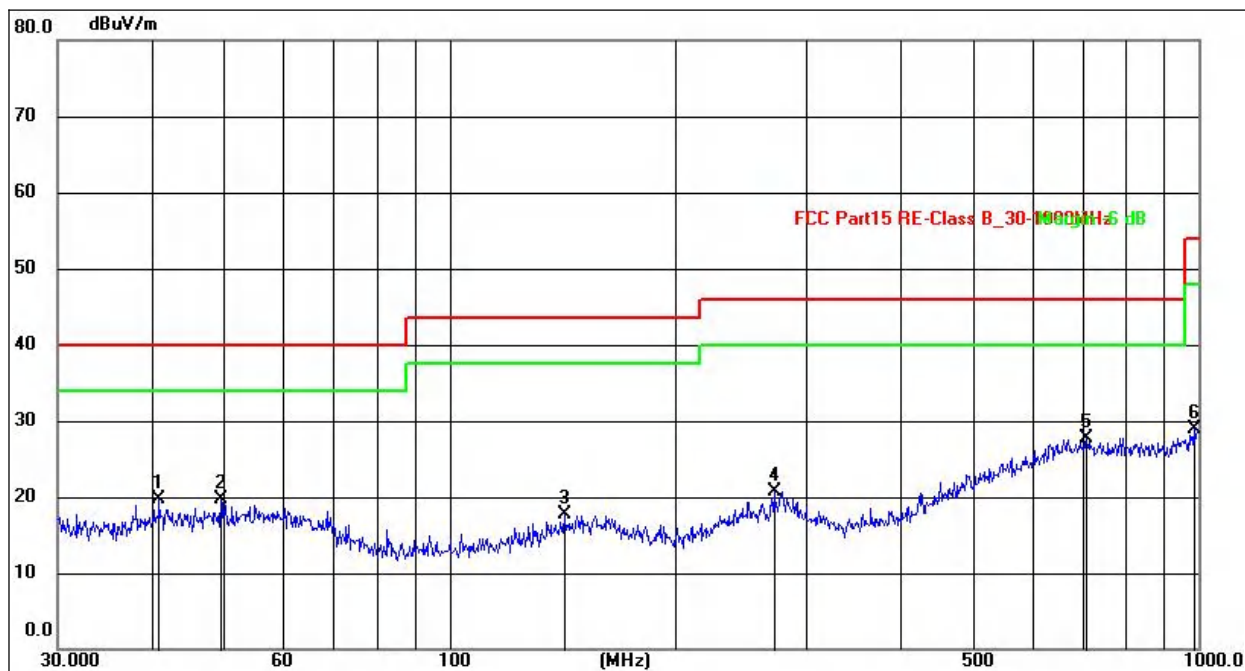


Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi - Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin = Measurement Level-Limit.
7. The test data shows only the worst case A5MINI I TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 5V	Test Mode :	CP30-air TX - 2402MHz



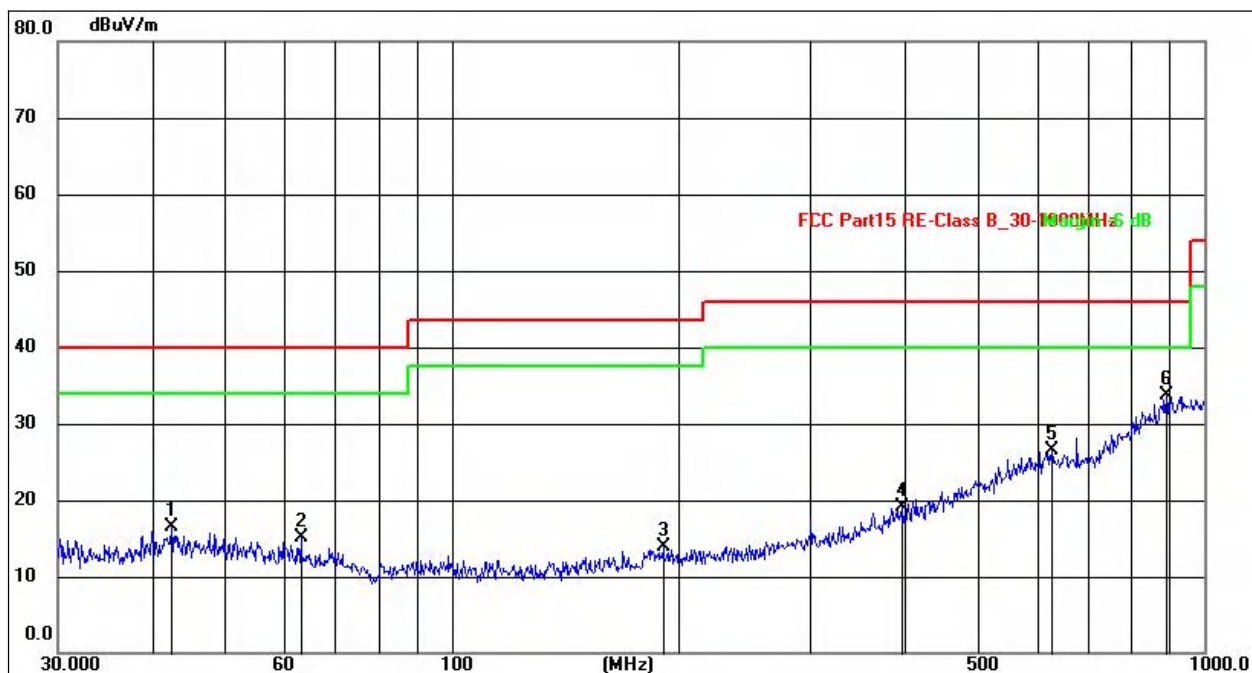
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	40.9879	33.81	-14.02	19.79	40.00	-20.21	QP
2	49.5328	33.58	-13.94	19.64	40.00	-20.36	QP
3	142.3243	34.33	-16.64	17.69	43.50	-25.81	QP
4	271.3245	35.19	-14.48	20.71	46.00	-25.29	QP
5	709.1821	34.17	-6.46	27.71	46.00	-18.29	QP
6	986.0715	33.67	-4.86	28.81	54.00	-25.19	QP

Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi - Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin = Measurement Level-Limit.
7. The test data shows only the worst case CP30-air TX - 2402MHz.



Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 5V	Test Mode :	CP30-air TX - 2402MHz



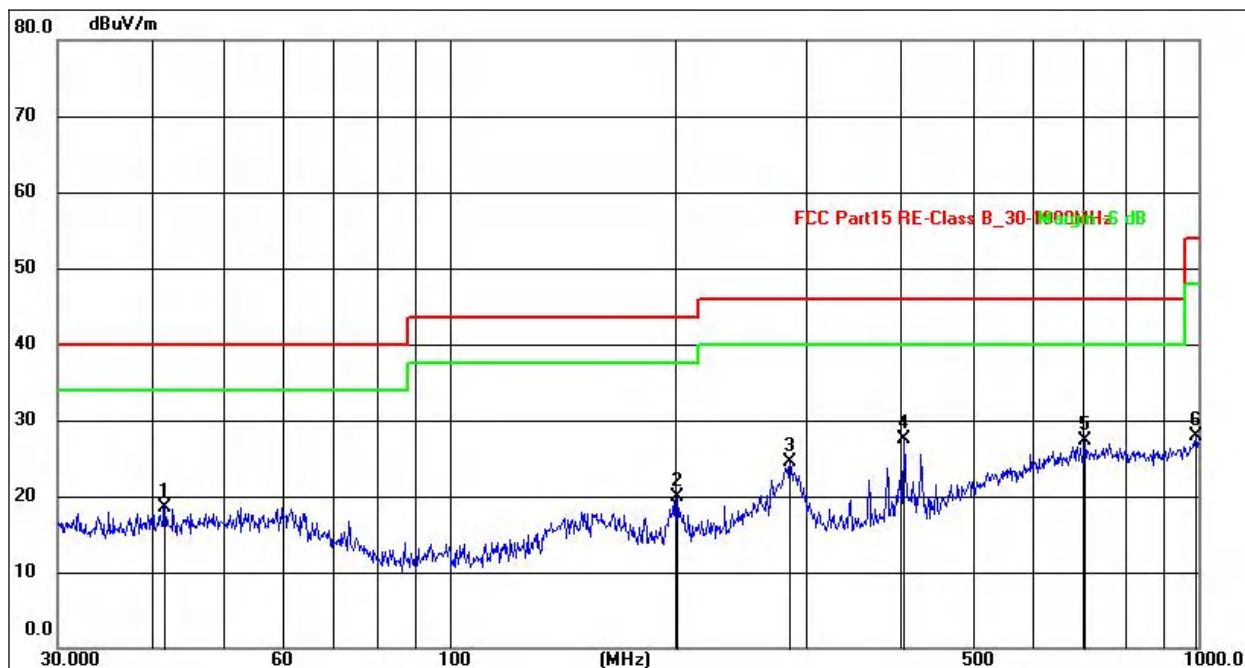
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	42.4508	33.37	-16.86	16.51	40.00	-23.49	QP
2	63.0915	33.53	-18.52	15.01	40.00	-24.99	QP
3	191.0738	33.95	-20.03	13.92	43.50	-29.58	QP
4	397.6333	33.70	-14.60	19.10	46.00	-26.90	QP
5	627.2736	33.93	-7.34	26.59	46.00	-19.41	QP
6	890.7277	34.43	-0.70	33.73	46.00	-12.27	QP

Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi - Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin = Measurement Level-Limit.
7. The test data shows only the worst case CP30-air TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 5V	Test Mode :	CP30-air2 TX - 2402MHz



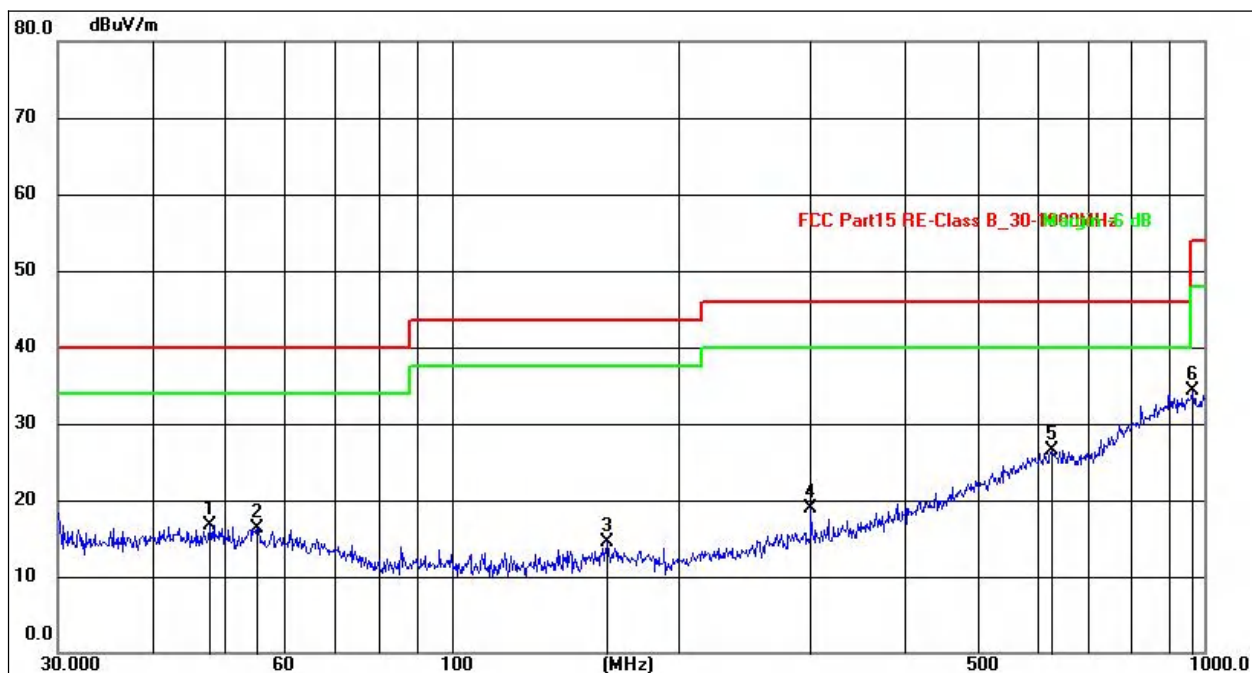
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	41.7129	32.62	-14.02	18.60	40.00	-21.40	QP
2	201.3930	38.42	-18.43	19.99	43.50	-23.51	QP
3	284.9766	39.04	-14.58	24.46	46.00	-21.54	QP
4	404.6664	43.42	-15.83	27.59	46.00	-18.41	QP
5	706.6997	33.77	-6.45	27.32	46.00	-18.68	QP
6	993.0113	32.64	-4.71	27.93	54.00	-26.07	QP

Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi - Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin = Measurement Level-Limit.
7. The test data shows only the worst case CP30-air2 TX - 2402MHz.



Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 5V	Test Mode :	CP30-air2 TX - 2402MHz



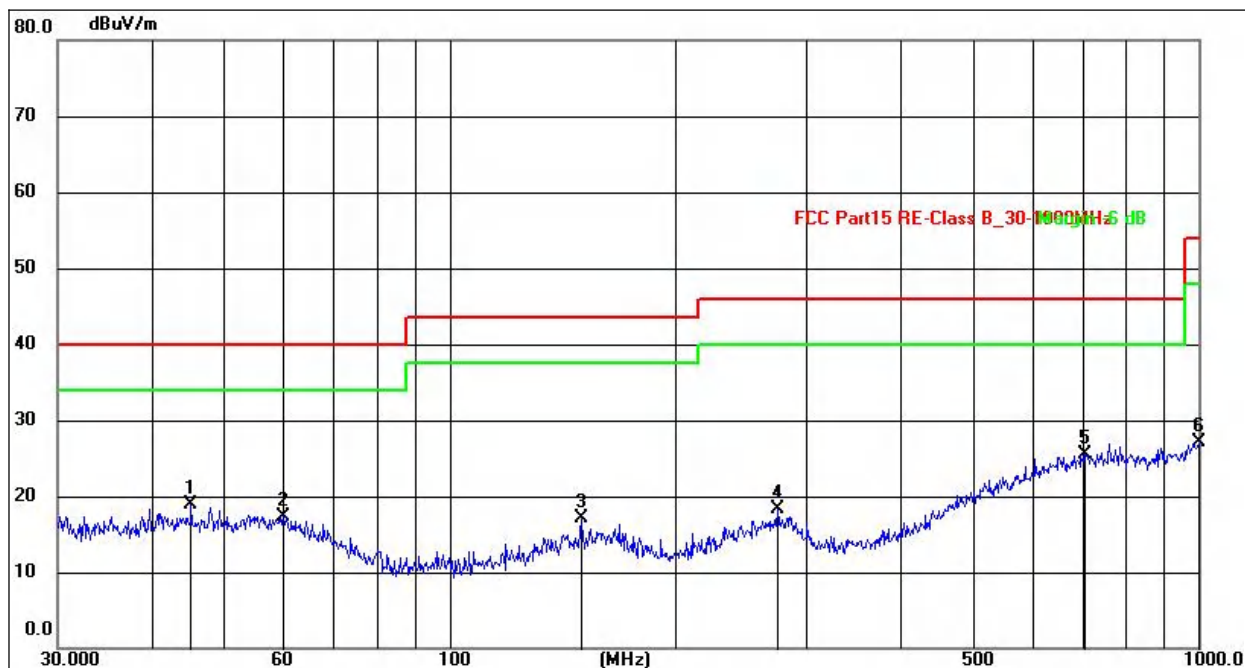
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	47.8260	33.80	-17.09	16.71	40.00	-23.29	QP
2	55.2207	34.03	-17.71	16.32	40.00	-23.68	QP
3	160.9088	34.55	-19.95	14.60	43.50	-28.90	QP
4	300.3672	36.72	-17.89	18.83	46.00	-27.17	QP
5	627.2736	33.92	-7.34	26.58	46.00	-19.42	QP
6	965.5420	34.38	-0.08	34.30	54.00	-19.70	QP

Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi - Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin = Measurement Level-Limit.
7. The test data shows only the worst case CP30-air2 TX - 2402MHz



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 5V	Test Mode :	CP30-air3 TX - 2402MHz



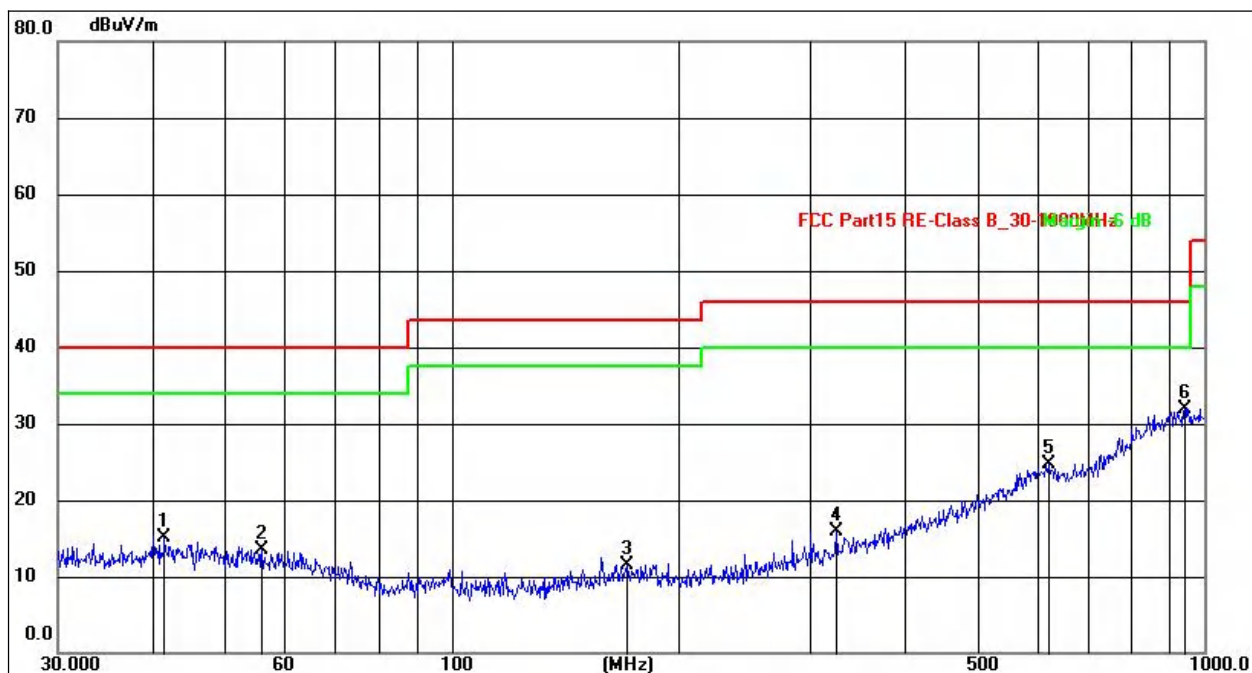
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	45.2166	32.83	-13.98	18.85	40.00	-21.15	QP
2	60.0691	31.55	-14.15	17.40	40.00	-22.60	QP
3	150.0108	33.42	-16.35	17.07	43.50	-26.43	QP
4	274.1938	32.60	-14.30	18.30	46.00	-27.70	QP
5	704.2261	31.89	-6.44	25.45	46.00	-20.55	QP
6	1000.0000	31.67	-4.56	27.11	54.00	-26.89	QP

Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi - Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin = Measurement Level-Limit.
7. The test data shows only the worst case CP30-air3 TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 5V	Test Mode :	CP30-air3 TX - 2402MHz



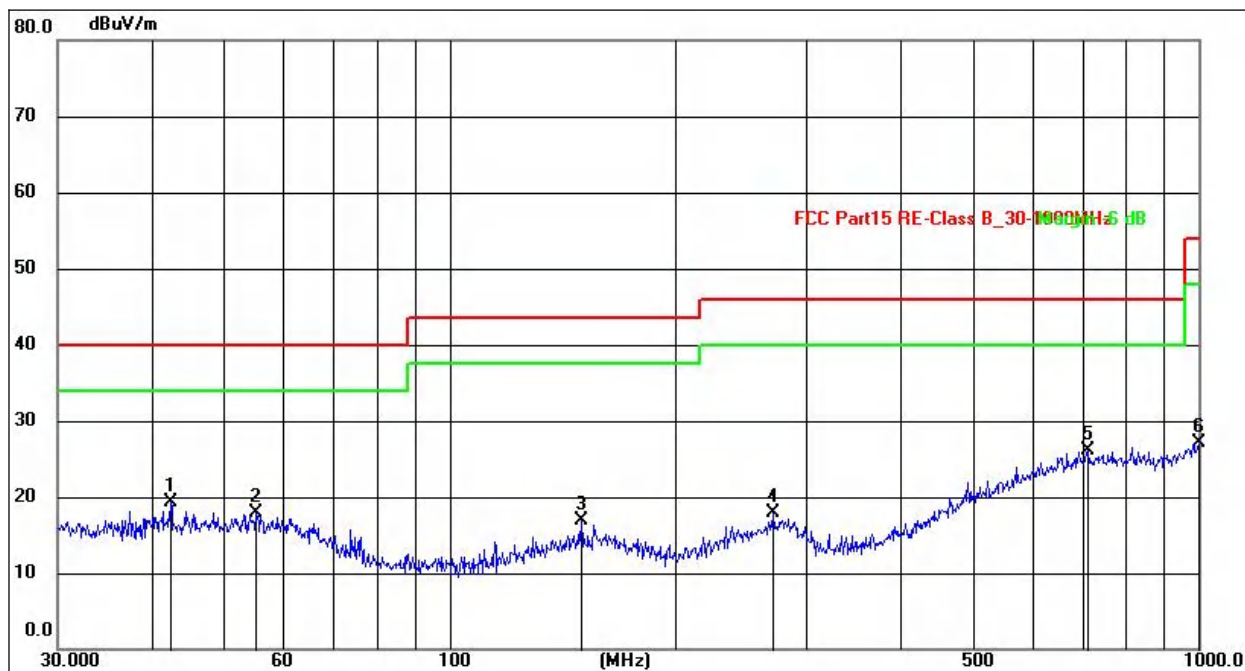
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	41.5670	31.90	-16.83	15.07	40.00	-24.93	QP
2	56.0007	31.36	-17.80	13.56	40.00	-26.44	QP
3	171.3925	31.28	-19.75	11.53	43.50	-31.97	QP
4	324.4560	32.98	-17.08	15.90	46.00	-30.10	QP
5	622.8900	32.08	-7.34	24.74	46.00	-21.26	QP
6	942.1304	32.15	-0.22	31.93	46.00	-14.07	QP

Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi - Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin = Measurement Level-Limit.
7. The test data shows only the worst case CP30-air3 TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 5V	Test Mode :	CP30-air5 TX - 2402MHz



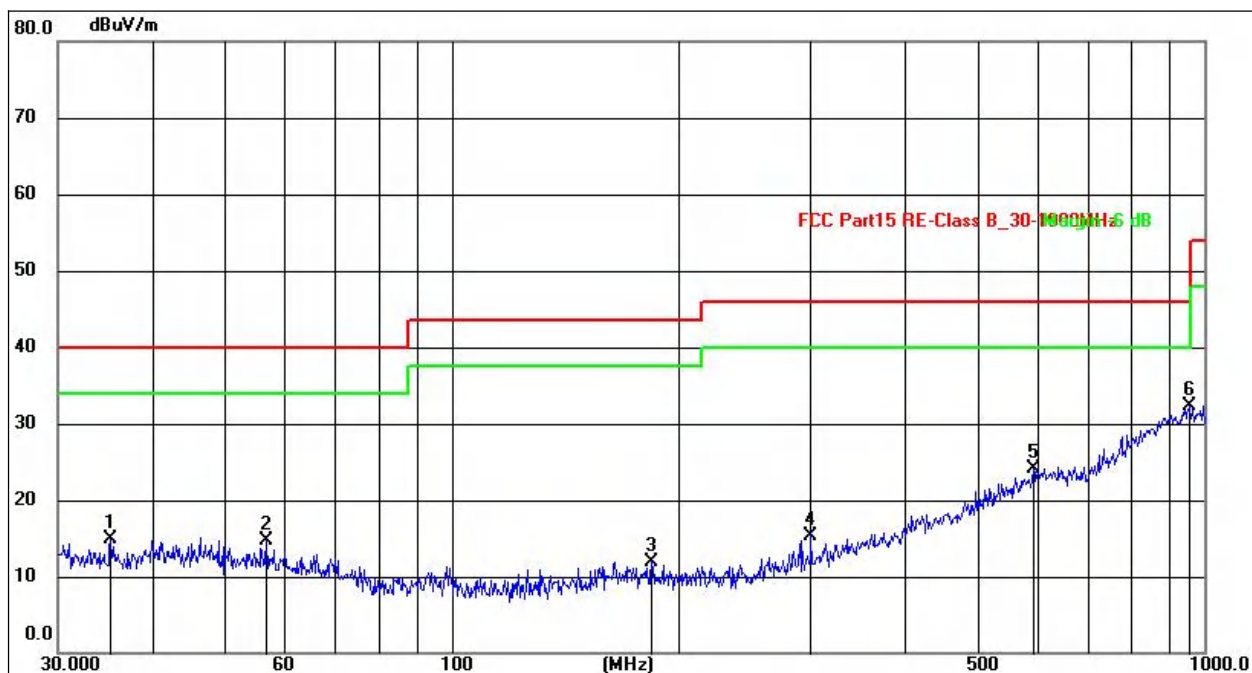
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	42.4508	33.22	-14.01	19.21	40.00	-20.79	QP
2	55.2207	31.89	-14.03	17.86	40.00	-22.14	QP
3	150.0108	33.33	-16.35	16.98	43.50	-26.52	QP
4	270.3748	32.41	-14.53	17.88	46.00	-28.12	QP
5	711.6734	32.52	-6.45	26.07	46.00	-19.93	QP
6	1000.0000	31.75	-4.56	27.19	54.00	-26.81	QP

Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi - Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin = Measurement Level-Limit.
7. The test data shows only the worst case CP30-air5 TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 5V	Test Mode :	CP30-air5 TX - 2402MHz



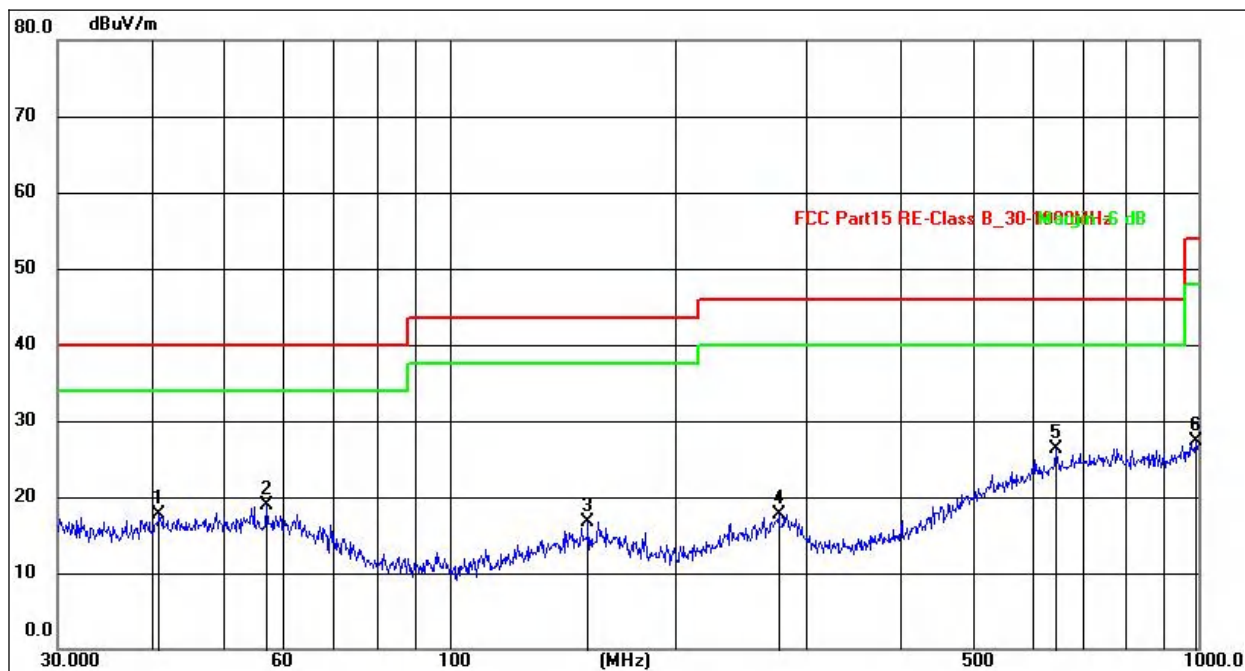
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	35.2511	32.28	-17.46	14.82	40.00	-25.18	QP
2	56.7917	32.60	-17.88	14.72	40.00	-25.28	QP
3	184.4898	31.77	-19.77	12.00	43.50	-31.50	QP
4	300.3672	33.10	-17.89	15.21	46.00	-30.79	QP
5	593.0496	31.79	-7.59	24.20	46.00	-21.80	QP
6	955.4381	32.42	-0.14	32.28	46.00	-13.72	QP

Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi - Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin = Measurement Level-Limit.
7. The test data shows only the worst case CP30-air5 TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 5V	Test Mode :	CP30-air6 TX - 2402MHz



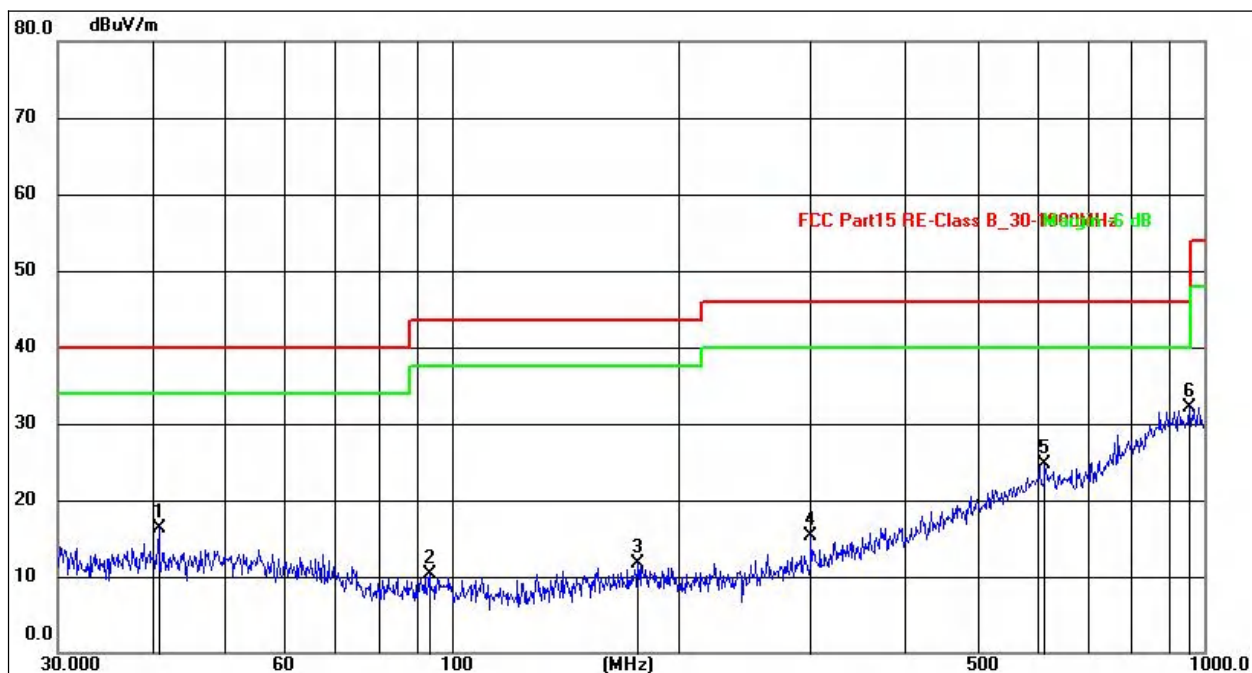
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	40.9880	31.74	-14.02	17.72	40.00	-22.28	QP
2	56.9912	32.94	-14.07	18.87	40.00	-21.13	QP
3	153.2003	32.96	-16.23	16.73	43.50	-26.77	QP
4	275.1570	32.00	-14.24	17.76	46.00	-28.24	QP
5	645.1194	33.73	-7.50	26.23	46.00	-19.77	QP
6	993.0114	31.93	-4.71	27.22	54.00	-26.78	QP

Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi - Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin = Measurement Level-Limit.
7. The test data shows only the worst case CP30-air6 TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 5V	Test Mode :	CP30-air6 TX - 2402MHz



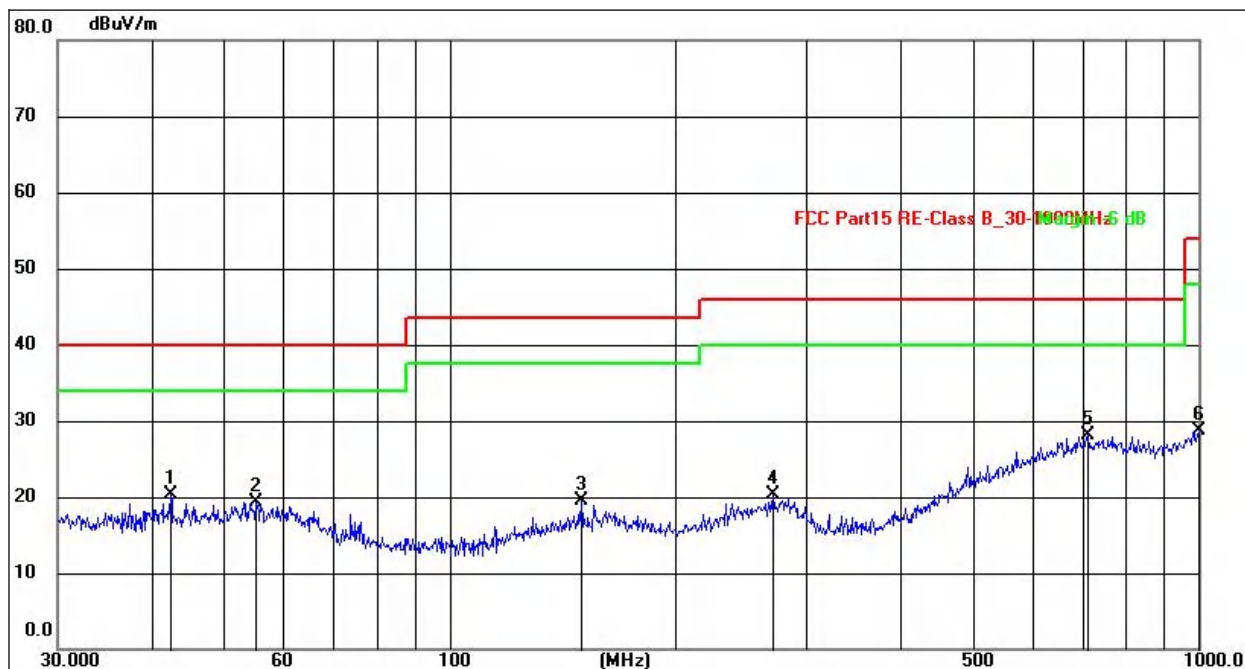
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	40.8445	33.07	-16.80	16.27	40.00	-23.73	QP
2	93.4402	31.53	-21.29	10.24	43.50	-33.26	QP
3	176.8878	31.39	-19.64	11.75	43.50	-31.75	QP
4	300.3672	33.14	-17.89	15.25	46.00	-30.75	QP
5	614.2142	32.00	-7.34	24.66	46.00	-21.34	QP
6	955.4381	32.23	-0.14	32.09	46.00	-13.91	QP

Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi - Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin = Measurement Level-Limit.
7. The test data shows only the worst case CP30-air6 TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 5V	Test Mode :	CP30-air7 TX - 2402MHz



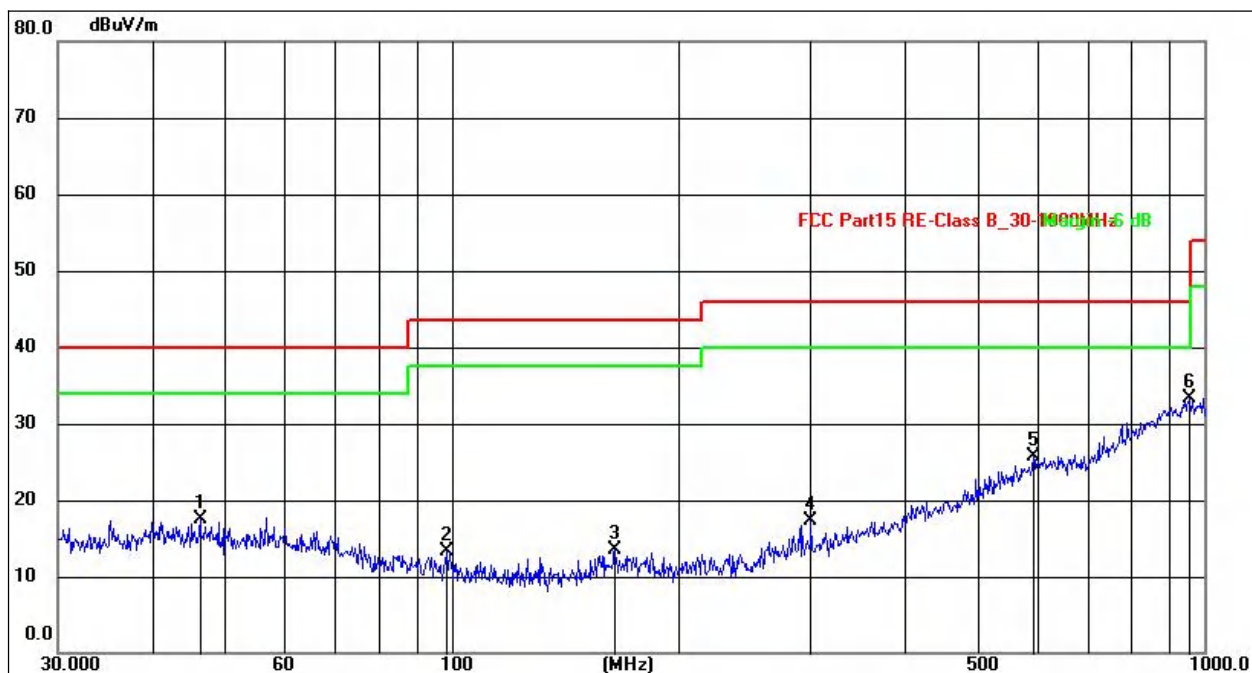
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	42.4508	34.22	-14.01	20.21	40.00	-19.79	QP
2	55.2207	33.39	-14.03	19.36	40.00	-20.64	QP
3	150.0107	35.83	-16.35	19.48	43.50	-24.02	QP
4	270.3747	34.91	-14.53	20.38	46.00	-25.62	QP
5	711.6734	34.52	-6.45	28.07	46.00	-17.93	QP
6	1000.0000	33.25	-4.56	28.69	54.00	-25.31	QP

Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi - Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin = Measurement Level-Limit.
7. The test data shows only the worst case CP30-air7 TX - 2402MHz.



Temperature:	26℃	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 5V	Test Mode :	CP30-air7 TX - 2402MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	46.3402	34.61	-17.03	17.58	40.00	-22.42	QP
2	98.4865	34.41	-21.14	13.27	43.50	-30.23	QP
3	164.9072	33.33	-19.87	13.46	43.50	-30.04	QP
4	300.3672	35.10	-17.89	17.21	46.00	-28.79	QP
5	593.0496	33.29	-7.59	25.70	46.00	-20.30	QP
6	955.4379	33.42	-0.14	33.28	46.00	-12.72	QP

Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi - Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor = Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin = Measurement Level-Limit.
7. The test data shows only the worst case CP30-air7 TX - 2402MHz.

**A5 Mini K 1GHz~25GHz**

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:2402MHz									
V	4804.00	51.27	30.55	5.77	24.66	51.15	74.00	-22.85	PK
V	4804.00	43.26	30.55	5.77	24.66	43.14	54.00	-10.86	AV
V	7206.00	50.19	30.33	6.32	24.55	50.73	74.00	-23.27	PK
V	7206.00	43.39	30.33	6.32	24.55	43.93	54.00	-10.07	AV
V	9608.00	53.74	30.85	7.45	24.69	55.03	74.00	-18.97	PK
V	9608.00	43.21	30.85	7.45	24.69	44.50	54.00	-9.50	AV
V	12010.00	50.35	31.02	8.99	25.57	53.89	74.00	-20.11	PK
V	12010.00	43.53	31.02	8.99	25.57	47.07	54.00	-6.93	AV
H	4804.00	50.17	30.55	5.77	24.66	50.05	74.00	-23.95	PK
H	4804.00	43.06	30.55	5.77	24.66	42.94	54.00	-11.06	AV
H	7206.00	52.26	30.33	6.32	24.55	52.80	74.00	-21.20	PK
H	7206.00	43.33	30.33	6.32	24.55	43.87	54.00	-10.13	AV
H	9608.00	51.03	30.85	7.45	24.69	52.32	74.00	-21.68	PK
H	9608.00	43.95	30.85	7.45	24.69	45.24	54.00	-8.76	AV
H	12010.00	53.22	31.02	8.99	25.57	56.76	74.00	-17.24	PK
H	12010.00	43.18	31.02	8.99	25.57	46.72	54.00	-7.28	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:2440MHz									
V	4880.00	53.48	30.55	5.77	24.66	53.36	74.00	-20.64	PK
V	4880.00	43.37	30.55	5.77	24.66	43.25	54.00	-10.75	AV
V	7320.00	54.05	30.33	6.32	24.55	54.59	74.00	-19.41	PK
V	7320.00	43.71	30.33	6.32	24.55	44.25	54.00	-9.75	AV
V	9760.00	52.47	30.85	7.45	24.69	53.76	74.00	-20.24	PK
V	9760.00	43.50	30.85	7.45	24.69	44.79	54.00	-9.21	AV
V	12200.00	51.29	31.02	8.99	25.57	54.83	74.00	-19.17	PK
V	12200.00	43.61	31.02	8.99	25.57	47.15	54.00	-6.85	AV
H	4880.00	50.45	30.55	5.77	24.66	50.33	74.00	-23.67	PK
H	4880.00	43.52	30.55	5.77	24.66	43.40	54.00	-10.60	AV
H	7320.00	52.78	30.33	6.32	24.55	53.32	74.00	-20.68	PK
H	7320.00	43.83	30.33	6.32	24.55	44.37	54.00	-9.63	AV
H	9760.00	51.19	30.85	7.45	24.69	52.48	74.00	-21.52	PK
H	9760.00	43.45	30.85	7.45	24.69	44.74	54.00	-9.26	AV
H	12200.00	53.54	31.02	8.99	25.57	57.08	74.00	-16.92	PK
H	12200.00	43.47	31.02	8.99	25.57	47.01	54.00	-6.99	AV



Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:2480MHz									
V	4960.00	54.70	30.55	5.77	24.66	54.58	74.00	-19.42	PK
V	4960.00	43.78	30.55	5.77	24.66	43.66	54.00	-10.34	AV
V	7440.00	50.26	30.33	6.32	24.55	50.80	74.00	-23.20	PK
V	7440.00	43.98	30.33	6.32	24.55	44.52	54.00	-9.48	AV
V	9920.00	50.58	30.85	7.45	24.69	51.87	74.00	-22.13	PK
V	9920.00	43.97	30.85	7.45	24.69	45.26	54.00	-8.74	AV
V	12400.00	54.85	31.02	8.99	25.57	58.39	74.00	-15.61	PK
V	12400.00	43.04	31.02	8.99	25.57	46.58	54.00	-7.42	AV
H	4960.00	54.06	30.55	5.77	24.66	53.94	74.00	-20.06	PK
H	4960.00	43.38	30.55	5.77	24.66	43.26	54.00	-10.74	AV
H	7440.00	51.83	30.33	6.32	24.55	52.37	74.00	-21.63	PK
H	7440.00	43.35	30.33	6.32	24.55	43.89	54.00	-10.11	AV
H	9920.00	53.68	30.85	7.45	24.69	54.97	74.00	-19.03	PK
H	9920.00	43.04	30.85	7.45	24.69	44.33	54.00	-9.67	AV
H	12400.00	54.21	31.02	8.99	25.57	57.75	74.00	-16.25	PK
H	12400.00	43.71	31.02	8.99	25.57	47.25	54.00	-6.75	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,

Margin= Emission Level - Limit

2. If peak below the average limit, the average emission was no test.

3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

**A5MINI F-S 1GHz~25GHz**

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:2402MHz									
V	4804.00	54.72	30.55	5.77	24.66	54.60	74.00	-19.40	PK
V	4804.00	43.81	30.55	5.77	24.66	43.69	54.00	-10.31	AV
V	7206.00	51.76	30.33	6.32	24.55	52.30	74.00	-21.70	PK
V	7206.00	43.71	30.33	6.32	24.55	44.25	54.00	-9.75	AV
V	9608.00	54.09	30.85	7.45	24.69	55.38	74.00	-18.62	PK
V	9608.00	43.74	30.85	7.45	24.69	45.03	54.00	-8.97	AV
V	12010.00	50.82	31.02	8.99	25.57	54.36	74.00	-19.64	PK
V	12010.00	43.75	31.02	8.99	25.57	47.29	54.00	-6.71	AV
H	4804.00	53.13	30.55	5.77	24.66	53.01	74.00	-20.99	PK
H	4804.00	43.62	30.55	5.77	24.66	43.50	54.00	-10.50	AV
H	7206.00	53.04	30.33	6.32	24.55	53.58	74.00	-20.42	PK
H	7206.00	43.85	30.33	6.32	24.55	44.39	54.00	-9.61	AV
H	9608.00	51.70	30.85	7.45	24.69	52.99	74.00	-21.01	PK
H	9608.00	43.83	30.85	7.45	24.69	45.12	54.00	-8.88	AV
H	12010.00	51.03	31.02	8.99	25.57	54.57	74.00	-19.43	PK
H	12010.00	43.18	31.02	8.99	25.57	46.72	54.00	-7.28	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:2440MHz									
V	4880.00	51.51	30.55	5.77	24.66	51.39	74.00	-22.61	PK
V	4880.00	43.94	30.55	5.77	24.66	43.82	54.00	-10.18	AV
V	7320.00	51.29	30.33	6.32	24.55	51.83	74.00	-22.17	PK
V	7320.00	43.58	30.33	6.32	24.55	44.12	54.00	-9.88	AV
V	9760.00	52.57	30.85	7.45	24.69	53.86	74.00	-20.14	PK
V	9760.00	43.10	30.85	7.45	24.69	44.39	54.00	-9.61	AV
V	12200.00	52.83	31.02	8.99	25.57	56.37	74.00	-17.63	PK
V	12200.00	43.34	31.02	8.99	25.57	46.88	54.00	-7.12	AV
H	4880.00	54.90	30.55	5.77	24.66	54.78	74.00	-19.22	PK
H	4880.00	43.75	30.55	5.77	24.66	43.63	54.00	-10.37	AV
H	7320.00	53.72	30.33	6.32	24.55	54.26	74.00	-19.74	PK
H	7320.00	43.58	30.33	6.32	24.55	44.12	54.00	-9.88	AV
H	9760.00	53.91	30.85	7.45	24.69	55.20	74.00	-18.80	PK
H	9760.00	43.25	30.85	7.45	24.69	44.54	54.00	-9.46	AV
H	12200.00	52.85	31.02	8.99	25.57	56.39	74.00	-17.61	PK
H	12200.00	43.75	31.02	8.99	25.57	47.29	54.00	-6.71	AV



Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:2480MHz									
V	4960.00	50.73	30.55	5.77	24.66	50.61	74.00	-23.39	PK
V	4960.00	43.02	30.55	5.77	24.66	42.90	54.00	-11.10	AV
V	7440.00	52.71	30.33	6.32	24.55	53.25	74.00	-20.75	PK
V	7440.00	43.22	30.33	6.32	24.55	43.76	54.00	-10.24	AV
V	9920.00	51.80	30.85	7.45	24.69	53.09	74.00	-20.91	PK
V	9920.00	43.55	30.85	7.45	24.69	44.84	54.00	-9.16	AV
V	12400.00	54.04	31.02	8.99	25.57	57.58	74.00	-16.42	PK
V	12400.00	43.94	31.02	8.99	25.57	47.48	54.00	-6.52	AV
H	4960.00	53.19	30.55	5.77	24.66	53.07	74.00	-20.93	PK
H	4960.00	43.48	30.55	5.77	24.66	43.36	54.00	-10.64	AV
H	7440.00	50.22	30.33	6.32	24.55	50.76	74.00	-23.24	PK
H	7440.00	43.27	30.33	6.32	24.55	43.81	54.00	-10.19	AV
H	9920.00	50.89	30.85	7.45	24.69	52.18	74.00	-21.82	PK
H	9920.00	43.55	30.85	7.45	24.69	44.84	54.00	-9.16	AV
H	12400.00	50.30	31.02	8.99	25.57	53.84	74.00	-20.16	PK
H	12400.00	43.22	31.02	8.99	25.57	46.76	54.00	-7.24	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,

Margin= Emission Level - Limit

2. If peak below the average limit, the average emission was no test.

3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

**A5MINI I 1GHz~25GHz**

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:2402MHz									
V	4804.00	52.71	30.55	5.77	24.66	52.59	74.00	-21.41	PK
V	4804.00	43.05	30.55	5.77	24.66	42.93	54.00	-11.07	AV
V	7206.00	54.35	30.33	6.32	24.55	54.89	74.00	-19.11	PK
V	7206.00	43.86	30.33	6.32	24.55	44.40	54.00	-9.60	AV
V	9608.00	50.72	30.85	7.45	24.69	52.01	74.00	-21.99	PK
V	9608.00	43.24	30.85	7.45	24.69	44.53	54.00	-9.47	AV
V	12010.00	53.12	31.02	8.99	25.57	56.66	74.00	-17.34	PK
V	12010.00	43.85	31.02	8.99	25.57	47.39	54.00	-6.61	AV
H	4804.00	54.88	30.55	5.77	24.66	54.76	74.00	-19.24	PK
H	4804.00	43.60	30.55	5.77	24.66	43.48	54.00	-10.52	AV
H	7206.00	51.55	30.33	6.32	24.55	52.09	74.00	-21.91	PK
H	7206.00	43.94	30.33	6.32	24.55	44.48	54.00	-9.52	AV
H	9608.00	52.43	30.85	7.45	24.69	53.72	74.00	-20.28	PK
H	9608.00	43.24	30.85	7.45	24.69	44.53	54.00	-9.47	AV
H	12010.00	52.85	31.02	8.99	25.57	56.39	74.00	-17.61	PK
H	12010.00	43.33	31.02	8.99	25.57	46.87	54.00	-7.13	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:2440MHz									
V	4880.00	53.35	30.55	5.77	24.66	53.23	74.00	-20.77	PK
V	4880.00	43.10	30.55	5.77	24.66	42.98	54.00	-11.02	AV
V	7320.00	54.64	30.33	6.32	24.55	55.18	74.00	-18.82	PK
V	7320.00	43.98	30.33	6.32	24.55	44.52	54.00	-9.48	AV
V	9760.00	50.34	30.85	7.45	24.69	51.63	74.00	-22.37	PK
V	9760.00	43.01	30.85	7.45	24.69	44.30	54.00	-9.70	AV
V	12200.00	50.06	31.02	8.99	25.57	53.60	74.00	-20.40	PK
V	12200.00	43.58	31.02	8.99	25.57	47.12	54.00	-6.88	AV
H	4880.00	53.33	30.55	5.77	24.66	53.21	74.00	-20.79	PK
H	4880.00	43.92	30.55	5.77	24.66	43.80	54.00	-10.20	AV
H	7320.00	50.73	30.33	6.32	24.55	51.27	74.00	-22.73	PK
H	7320.00	43.49	30.33	6.32	24.55	44.03	54.00	-9.97	AV
H	9760.00	54.43	30.85	7.45	24.69	55.72	74.00	-18.28	PK
H	9760.00	43.38	30.85	7.45	24.69	44.67	54.00	-9.33	AV
H	12200.00	51.10	31.02	8.99	25.57	54.64	74.00	-19.36	PK
H	12200.00	43.60	31.02	8.99	25.57	47.14	54.00	-6.86	AV



Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:2480MHz									
V	4960.00	52.94	30.55	5.77	24.66	52.82	74.00	-21.18	PK
V	4960.00	43.45	30.55	5.77	24.66	43.33	54.00	-10.67	AV
V	7440.00	53.59	30.33	6.32	24.55	54.13	74.00	-19.87	PK
V	7440.00	43.81	30.33	6.32	24.55	44.35	54.00	-9.65	AV
V	9920.00	52.40	30.85	7.45	24.69	53.69	74.00	-20.31	PK
V	9920.00	43.52	30.85	7.45	24.69	44.81	54.00	-9.19	AV
V	12400.00	52.23	31.02	8.99	25.57	55.77	74.00	-18.23	PK
V	12400.00	43.39	31.02	8.99	25.57	46.93	54.00	-7.07	AV
H	4960.00	53.10	30.55	5.77	24.66	52.98	74.00	-21.02	PK
H	4960.00	43.56	30.55	5.77	24.66	43.44	54.00	-10.56	AV
H	7440.00	52.13	30.33	6.32	24.55	52.67	74.00	-21.33	PK
H	7440.00	43.94	30.33	6.32	24.55	44.48	54.00	-9.52	AV
H	9920.00	54.29	30.85	7.45	24.69	55.58	74.00	-18.42	PK
H	9920.00	43.68	30.85	7.45	24.69	44.97	54.00	-9.03	AV
H	12400.00	51.27	31.02	8.99	25.57	54.81	74.00	-19.19	PK
H	12400.00	43.42	31.02	8.99	25.57	46.96	54.00	-7.04	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,

Margin= Emission Level - Limit

2. If peak below the average limit, the average emission was no test.

3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

**CP30-air 1GHz~25GHz**

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:2402MHz									
V	4804.00	53.18	30.55	5.77	24.66	53.06	74.00	-20.94	PK
V	4804.00	43.70	30.55	5.77	24.66	43.58	54.00	-10.42	AV
V	7206.00	53.63	30.33	6.32	24.55	54.17	74.00	-19.83	PK
V	7206.00	43.95	30.33	6.32	24.55	44.49	54.00	-9.51	AV
V	9608.00	51.09	30.85	7.45	24.69	52.38	74.00	-21.62	PK
V	9608.00	43.07	30.85	7.45	24.69	44.36	54.00	-9.64	AV
V	12010.00	50.15	31.02	8.99	25.57	53.69	74.00	-20.31	PK
V	12010.00	43.95	31.02	8.99	25.57	47.49	54.00	-6.51	AV
H	4804.00	51.66	30.55	5.77	24.66	51.54	74.00	-22.46	PK
H	4804.00	43.91	30.55	5.77	24.66	43.79	54.00	-10.21	AV
H	7206.00	51.32	30.33	6.32	24.55	51.86	74.00	-22.14	PK
H	7206.00	43.41	30.33	6.32	24.55	43.95	54.00	-10.05	AV
H	9608.00	53.56	30.85	7.45	24.69	54.85	74.00	-19.15	PK
H	9608.00	43.84	30.85	7.45	24.69	45.13	54.00	-8.87	AV
H	12010.00	51.87	31.02	8.99	25.57	55.41	74.00	-18.59	PK
H	12010.00	43.17	31.02	8.99	25.57	46.71	54.00	-7.29	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:2440MHz									
V	4880.00	51.00	30.55	5.77	24.66	50.88	74.00	-23.12	PK
V	4880.00	43.44	30.55	5.77	24.66	43.32	54.00	-10.68	AV
V	7320.00	54.53	30.33	6.32	24.55	55.07	74.00	-18.93	PK
V	7320.00	43.80	30.33	6.32	24.55	44.34	54.00	-9.66	AV
V	9760.00	54.19	30.85	7.45	24.69	55.48	74.00	-18.52	PK
V	9760.00	43.07	30.85	7.45	24.69	44.36	54.00	-9.64	AV
V	12200.00	52.63	31.02	8.99	25.57	56.17	74.00	-17.83	PK
V	12200.00	43.27	31.02	8.99	25.57	46.81	54.00	-7.19	AV
H	4880.00	53.72	30.55	5.77	24.66	53.60	74.00	-20.40	PK
H	4880.00	43.32	30.55	5.77	24.66	43.20	54.00	-10.80	AV
H	7320.00	54.52	30.33	6.32	24.55	55.06	74.00	-18.94	PK
H	7320.00	43.34	30.33	6.32	24.55	43.88	54.00	-10.12	AV
H	9760.00	53.04	30.85	7.45	24.69	54.33	74.00	-19.67	PK
H	9760.00	43.74	30.85	7.45	24.69	45.03	54.00	-8.97	AV
H	12200.00	54.36	31.02	8.99	25.57	57.90	74.00	-16.10	PK
H	12200.00	43.07	31.02	8.99	25.57	46.61	54.00	-7.39	AV



Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:2480MHz									
V	4960.00	54.68	30.55	5.77	24.66	54.56	74.00	-19.44	PK
V	4960.00	43.35	30.55	5.77	24.66	43.23	54.00	-10.77	AV
V	7440.00	50.14	30.33	6.32	24.55	50.68	74.00	-23.32	PK
V	7440.00	43.19	30.33	6.32	24.55	43.73	54.00	-10.27	AV
V	9920.00	53.89	30.85	7.45	24.69	55.18	74.00	-18.82	PK
V	9920.00	43.11	30.85	7.45	24.69	44.40	54.00	-9.60	AV
V	12400.00	50.89	31.02	8.99	25.57	54.43	74.00	-19.57	PK
V	12400.00	43.89	31.02	8.99	25.57	47.43	54.00	-6.57	AV
H	4960.00	53.95	30.55	5.77	24.66	53.83	74.00	-20.17	PK
H	4960.00	43.80	30.55	5.77	24.66	43.68	54.00	-10.32	AV
H	7440.00	52.13	30.33	6.32	24.55	52.67	74.00	-21.33	PK
H	7440.00	44.00	30.33	6.32	24.55	44.54	54.00	-9.46	AV
H	9920.00	51.63	30.85	7.45	24.69	52.92	74.00	-21.08	PK
H	9920.00	43.72	30.85	7.45	24.69	45.01	54.00	-8.99	AV
H	12400.00	53.76	31.02	8.99	25.57	57.30	74.00	-16.70	PK
H	12400.00	43.48	31.02	8.99	25.57	47.02	54.00	-6.98	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,

Margin= Emission Level - Limit

2. If peak below the average limit, the average emission was no test.

3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

**CP30-air2 1GHz~25GHz**

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:2402MHz									
V	4804.00	54.23	30.55	5.77	24.66	54.11	74.00	-19.89	PK
V	4804.00	43.21	30.55	5.77	24.66	43.09	54.00	-10.91	AV
V	7206.00	54.54	30.33	6.32	24.55	55.08	74.00	-18.92	PK
V	7206.00	43.47	30.33	6.32	24.55	44.01	54.00	-9.99	AV
V	9608.00	51.66	30.85	7.45	24.69	52.95	74.00	-21.05	PK
V	9608.00	43.95	30.85	7.45	24.69	45.24	54.00	-8.76	AV
V	12010.00	51.76	31.02	8.99	25.57	55.30	74.00	-18.70	PK
V	12010.00	43.24	31.02	8.99	25.57	46.78	54.00	-7.22	AV
H	4804.00	54.32	30.55	5.77	24.66	54.20	74.00	-19.80	PK
H	4804.00	43.87	30.55	5.77	24.66	43.75	54.00	-10.25	AV
H	7206.00	53.27	30.33	6.32	24.55	53.81	74.00	-20.19	PK
H	7206.00	43.22	30.33	6.32	24.55	43.76	54.00	-10.24	AV
H	9608.00	53.67	30.85	7.45	24.69	54.96	74.00	-19.04	PK
H	9608.00	43.04	30.85	7.45	24.69	44.33	54.00	-9.67	AV
H	12010.00	51.66	31.02	8.99	25.57	55.20	74.00	-18.80	PK
H	12010.00	43.52	31.02	8.99	25.57	47.06	54.00	-6.94	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:2440MHz									
V	4880.00	51.51	30.55	5.77	24.66	51.39	74.00	-22.61	PK
V	4880.00	43.94	30.55	5.77	24.66	43.82	54.00	-10.18	AV
V	7320.00	51.29	30.33	6.32	24.55	51.83	74.00	-22.17	PK
V	7320.00	43.58	30.33	6.32	24.55	44.12	54.00	-9.88	AV
V	9760.00	52.57	30.85	7.45	24.69	53.86	74.00	-20.14	PK
V	9760.00	43.10	30.85	7.45	24.69	44.39	54.00	-9.61	AV
V	12200.00	52.83	31.02	8.99	25.57	56.37	74.00	-17.63	PK
V	12200.00	43.34	31.02	8.99	25.57	46.88	54.00	-7.12	AV
H	4880.00	54.90	30.55	5.77	24.66	54.78	74.00	-19.22	PK
H	4880.00	43.75	30.55	5.77	24.66	43.63	54.00	-10.37	AV
H	7320.00	53.72	30.33	6.32	24.55	54.26	74.00	-19.74	PK
H	7320.00	43.58	30.33	6.32	24.55	44.12	54.00	-9.88	AV
H	9760.00	53.91	30.85	7.45	24.69	55.20	74.00	-18.80	PK
H	9760.00	43.25	30.85	7.45	24.69	44.54	54.00	-9.46	AV
H	12200.00	52.85	31.02	8.99	25.57	56.39	74.00	-17.61	PK
H	12200.00	43.75	31.02	8.99	25.57	47.29	54.00	-6.71	AV



Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:2480MHz									
V	4960.00	50.73	30.55	5.77	24.66	50.61	74.00	-23.39	PK
V	4960.00	43.02	30.55	5.77	24.66	42.90	54.00	-11.10	AV
V	7440.00	52.71	30.33	6.32	24.55	53.25	74.00	-20.75	PK
V	7440.00	43.22	30.33	6.32	24.55	43.76	54.00	-10.24	AV
V	9920.00	51.80	30.85	7.45	24.69	53.09	74.00	-20.91	PK
V	9920.00	43.55	30.85	7.45	24.69	44.84	54.00	-9.16	AV
V	12400.00	54.04	31.02	8.99	25.57	57.58	74.00	-16.42	PK
V	12400.00	43.94	31.02	8.99	25.57	47.48	54.00	-6.52	AV
H	4960.00	53.19	30.55	5.77	24.66	53.07	74.00	-20.93	PK
H	4960.00	43.48	30.55	5.77	24.66	43.36	54.00	-10.64	AV
H	7440.00	50.22	30.33	6.32	24.55	50.76	74.00	-23.24	PK
H	7440.00	43.27	30.33	6.32	24.55	43.81	54.00	-10.19	AV
H	9920.00	50.89	30.85	7.45	24.69	52.18	74.00	-21.82	PK
H	9920.00	43.55	30.85	7.45	24.69	44.84	54.00	-9.16	AV
H	12400.00	50.30	31.02	8.99	25.57	53.84	74.00	-20.16	PK
H	12400.00	43.22	31.02	8.99	25.57	46.76	54.00	-7.24	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,

Margin= Emission Level - Limit

2. If peak below the average limit, the average emission was no test.

3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

**CP30-air3 1GHz~25GHz**

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:2402MHz									
V	4804.00	53.62	30.55	5.77	24.66	53.50	74.00	-20.50	PK
V	4804.00	43.17	30.55	5.77	24.66	43.05	54.00	-10.95	AV
V	7206.00	54.51	30.33	6.32	24.55	55.05	74.00	-18.95	PK
V	7206.00	43.22	30.33	6.32	24.55	43.76	54.00	-10.24	AV
V	9608.00	53.51	30.85	7.45	24.69	54.80	74.00	-19.20	PK
V	9608.00	43.30	30.85	7.45	24.69	44.59	54.00	-9.41	AV
V	12010.00	52.64	31.02	8.99	25.57	56.18	74.00	-17.82	PK
V	12010.00	43.43	31.02	8.99	25.57	46.97	54.00	-7.03	AV
H	4804.00	52.06	30.55	5.77	24.66	51.94	74.00	-22.06	PK
H	4804.00	43.76	30.55	5.77	24.66	43.64	54.00	-10.36	AV
H	7206.00	51.06	30.33	6.32	24.55	51.60	74.00	-22.40	PK
H	7206.00	43.44	30.33	6.32	24.55	43.98	54.00	-10.02	AV
H	9608.00	52.47	30.85	7.45	24.69	53.76	74.00	-20.24	PK
H	9608.00	43.53	30.85	7.45	24.69	44.82	54.00	-9.18	AV
H	12010.00	53.74	31.02	8.99	25.57	57.28	74.00	-16.72	PK
H	12010.00	43.00	31.02	8.99	25.57	46.54	54.00	-7.46	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:2440MHz									
V	4880.00	51.44	30.55	5.77	24.66	51.32	74.00	-22.68	PK
V	4880.00	43.44	30.55	5.77	24.66	43.32	54.00	-10.68	AV
V	7320.00	52.43	30.33	6.32	24.55	52.97	74.00	-21.03	PK
V	7320.00	43.31	30.33	6.32	24.55	43.85	54.00	-10.15	AV
V	9760.00	50.19	30.85	7.45	24.69	51.48	74.00	-22.52	PK
V	9760.00	43.62	30.85	7.45	24.69	44.91	54.00	-9.09	AV
V	12200.00	50.31	31.02	8.99	25.57	53.85	74.00	-20.15	PK
V	12200.00	43.05	31.02	8.99	25.57	46.59	54.00	-7.41	AV
H	4880.00	54.40	30.55	5.77	24.66	54.28	74.00	-19.72	PK
H	4880.00	43.28	30.55	5.77	24.66	43.16	54.00	-10.84	AV
H	7320.00	53.25	30.33	6.32	24.55	53.79	74.00	-20.21	PK
H	7320.00	43.16	30.33	6.32	24.55	43.70	54.00	-10.30	AV
H	9760.00	53.60	30.85	7.45	24.69	54.89	74.00	-19.11	PK
H	9760.00	43.77	30.85	7.45	24.69	45.06	54.00	-8.94	AV
H	12200.00	50.22	31.02	8.99	25.57	53.76	74.00	-20.24	PK
H	12200.00	43.70	31.02	8.99	25.57	47.24	54.00	-6.76	AV



Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:2480MHz									
V	4960.00	54.58	30.55	5.77	24.66	54.46	74.00	-19.54	PK
V	4960.00	43.23	30.55	5.77	24.66	43.11	54.00	-10.89	AV
V	7440.00	51.51	30.33	6.32	24.55	52.05	74.00	-21.95	PK
V	7440.00	43.09	30.33	6.32	24.55	43.63	54.00	-10.37	AV
V	9920.00	53.92	30.85	7.45	24.69	55.21	74.00	-18.79	PK
V	9920.00	43.86	30.85	7.45	24.69	45.15	54.00	-8.85	AV
V	12400.00	50.41	31.02	8.99	25.57	53.95	74.00	-20.05	PK
V	12400.00	43.46	31.02	8.99	25.57	47.00	54.00	-7.00	AV
H	4960.00	53.02	30.55	5.77	24.66	52.90	74.00	-21.10	PK
H	4960.00	43.36	30.55	5.77	24.66	43.24	54.00	-10.76	AV
H	7440.00	54.26	30.33	6.32	24.55	54.80	74.00	-19.20	PK
H	7440.00	43.15	30.33	6.32	24.55	43.69	54.00	-10.31	AV
H	9920.00	54.76	30.85	7.45	24.69	56.05	74.00	-17.95	PK
H	9920.00	43.37	30.85	7.45	24.69	44.66	54.00	-9.34	AV
H	12400.00	54.97	31.02	8.99	25.57	58.51	74.00	-15.49	PK
H	12400.00	43.90	31.02	8.99	25.57	47.44	54.00	-6.56	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,

Margin= Emission Level - Limit

2. If peak below the average limit, the average emission was no test.

3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

**CP30-air5 1GHz~25GHz**

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:2402MHz									
V	4804.00	53.53	30.55	5.77	24.66	53.41	74.00	-20.59	PK
V	4804.00	43.56	30.55	5.77	24.66	43.44	54.00	-10.56	AV
V	7206.00	54.71	30.33	6.32	24.55	55.25	74.00	-18.75	PK
V	7206.00	43.02	30.33	6.32	24.55	43.56	54.00	-10.44	AV
V	9608.00	54.87	30.85	7.45	24.69	56.16	74.00	-17.84	PK
V	9608.00	43.10	30.85	7.45	24.69	44.39	54.00	-9.61	AV
V	12010.00	52.19	31.02	8.99	25.57	55.73	74.00	-18.27	PK
V	12010.00	43.26	31.02	8.99	25.57	46.80	54.00	-7.20	AV
H	4804.00	54.28	30.55	5.77	24.66	54.16	74.00	-19.84	PK
H	4804.00	43.68	30.55	5.77	24.66	43.56	54.00	-10.44	AV
H	7206.00	50.13	30.33	6.32	24.55	50.67	74.00	-23.33	PK
H	7206.00	43.56	30.33	6.32	24.55	44.10	54.00	-9.90	AV
H	9608.00	52.68	30.85	7.45	24.69	53.97	74.00	-20.03	PK
H	9608.00	43.97	30.85	7.45	24.69	45.26	54.00	-8.74	AV
H	12010.00	52.78	31.02	8.99	25.57	56.32	74.00	-17.68	PK
H	12010.00	43.33	31.02	8.99	25.57	46.87	54.00	-7.13	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:2440MHz									
V	4880.00	52.28	30.55	5.77	24.66	52.16	74.00	-21.84	PK
V	4880.00	43.74	30.55	5.77	24.66	43.62	54.00	-10.38	AV
V	7320.00	54.36	30.33	6.32	24.55	54.90	74.00	-19.10	PK
V	7320.00	43.49	30.33	6.32	24.55	44.03	54.00	-9.97	AV
V	9760.00	52.65	30.85	7.45	24.69	53.94	74.00	-20.06	PK
V	9760.00	43.69	30.85	7.45	24.69	44.98	54.00	-9.02	AV
V	12200.00	53.03	31.02	8.99	25.57	56.57	74.00	-17.43	PK
V	12200.00	43.41	31.02	8.99	25.57	46.95	54.00	-7.05	AV
H	4880.00	50.65	30.55	5.77	24.66	50.53	74.00	-23.47	PK
H	4880.00	43.53	30.55	5.77	24.66	43.41	54.00	-10.59	AV
H	7320.00	50.07	30.33	6.32	24.55	50.61	74.00	-23.39	PK
H	7320.00	43.90	30.33	6.32	24.55	44.44	54.00	-9.56	AV
H	9760.00	50.80	30.85	7.45	24.69	52.09	74.00	-21.91	PK
H	9760.00	43.26	30.85	7.45	24.69	44.55	54.00	-9.45	AV
H	12200.00	51.85	31.02	8.99	25.57	55.39	74.00	-18.61	PK
H	12200.00	43.83	31.02	8.99	25.57	47.37	54.00	-6.63	AV



Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:2480MHz									
V	4960.00	52.24	30.55	5.77	24.66	52.12	74.00	-21.88	PK
V	4960.00	43.24	30.55	5.77	24.66	43.12	54.00	-10.88	AV
V	7440.00	52.11	30.33	6.32	24.55	52.65	74.00	-21.35	PK
V	7440.00	43.54	30.33	6.32	24.55	44.08	54.00	-9.92	AV
V	9920.00	50.87	30.85	7.45	24.69	52.16	74.00	-21.84	PK
V	9920.00	43.87	30.85	7.45	24.69	45.16	54.00	-8.84	AV
V	12400.00	50.13	31.02	8.99	25.57	53.67	74.00	-20.33	PK
V	12400.00	43.91	31.02	8.99	25.57	47.45	54.00	-6.55	AV
H	4960.00	51.70	30.55	5.77	24.66	51.58	74.00	-22.42	PK
H	4960.00	43.74	30.55	5.77	24.66	43.62	54.00	-10.38	AV
H	7440.00	54.06	30.33	6.32	24.55	54.60	74.00	-19.40	PK
H	7440.00	43.92	30.33	6.32	24.55	44.46	54.00	-9.54	AV
H	9920.00	54.14	30.85	7.45	24.69	55.43	74.00	-18.57	PK
H	9920.00	43.25	30.85	7.45	24.69	44.54	54.00	-9.46	AV
H	12400.00	52.31	31.02	8.99	25.57	55.85	74.00	-18.15	PK
H	12400.00	43.78	31.02	8.99	25.57	47.32	54.00	-6.68	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,

Margin= Emission Level - Limit

2. If peak below the average limit, the average emission was no test.

3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

**CP30-air6 1GHz~25GHz**

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:2402MHz									
V	4804.00	53.73	30.55	5.77	24.66	53.61	74.00	-20.39	PK
V	4804.00	43.51	30.55	5.77	24.66	43.39	54.00	-10.61	AV
V	7206.00	50.65	30.33	6.32	24.55	51.19	74.00	-22.81	PK
V	7206.00	43.01	30.33	6.32	24.55	43.55	54.00	-10.45	AV
V	9608.00	53.02	30.85	7.45	24.69	54.31	74.00	-19.69	PK
V	9608.00	43.11	30.85	7.45	24.69	44.40	54.00	-9.60	AV
V	12010.00	53.16	31.02	8.99	25.57	56.70	74.00	-17.30	PK
V	12010.00	43.07	31.02	8.99	25.57	46.61	54.00	-7.39	AV
H	4804.00	50.65	30.55	5.77	24.66	50.53	74.00	-23.47	PK
H	4804.00	43.16	30.55	5.77	24.66	43.04	54.00	-10.96	AV
H	7206.00	50.47	30.33	6.32	24.55	51.01	74.00	-22.99	PK
H	7206.00	43.32	30.33	6.32	24.55	43.86	54.00	-10.14	AV
H	9608.00	51.93	30.85	7.45	24.69	53.22	74.00	-20.78	PK
H	9608.00	43.29	30.85	7.45	24.69	44.58	54.00	-9.42	AV
H	12010.00	51.13	31.02	8.99	25.57	54.67	74.00	-19.33	PK
H	12010.00	43.51	31.02	8.99	25.57	47.05	54.00	-6.95	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:2440MHz									
V	4880.00	51.69	30.55	5.77	24.66	51.57	74.00	-22.43	PK
V	4880.00	43.70	30.55	5.77	24.66	43.58	54.00	-10.42	AV
V	7320.00	50.65	30.33	6.32	24.55	51.19	74.00	-22.81	PK
V	7320.00	43.32	30.33	6.32	24.55	43.86	54.00	-10.14	AV
V	9760.00	54.50	30.85	7.45	24.69	55.79	74.00	-18.21	PK
V	9760.00	43.90	30.85	7.45	24.69	45.19	54.00	-8.81	AV
V	12200.00	52.15	31.02	8.99	25.57	55.69	74.00	-18.31	PK
V	12200.00	43.32	31.02	8.99	25.57	46.86	54.00	-7.14	AV
H	4880.00	52.83	30.55	5.77	24.66	52.71	74.00	-21.29	PK
H	4880.00	43.44	30.55	5.77	24.66	43.32	54.00	-10.68	AV
H	7320.00	51.35	30.33	6.32	24.55	51.89	74.00	-22.11	PK
H	7320.00	43.93	30.33	6.32	24.55	44.47	54.00	-9.53	AV
H	9760.00	51.77	30.85	7.45	24.69	53.06	74.00	-20.94	PK
H	9760.00	43.87	30.85	7.45	24.69	45.16	54.00	-8.84	AV
H	12200.00	54.41	31.02	8.99	25.57	57.95	74.00	-16.05	PK
H	12200.00	43.62	31.02	8.99	25.57	47.16	54.00	-6.84	AV



Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:2480MHz									
V	4960.00	53.49	30.55	5.77	24.66	53.37	74.00	-20.63	PK
V	4960.00	43.72	30.55	5.77	24.66	43.60	54.00	-10.40	AV
V	7440.00	53.29	30.33	6.32	24.55	53.83	74.00	-20.17	PK
V	7440.00	43.90	30.33	6.32	24.55	44.44	54.00	-9.56	AV
V	9920.00	53.44	30.85	7.45	24.69	54.73	74.00	-19.27	PK
V	9920.00	43.43	30.85	7.45	24.69	44.72	54.00	-9.28	AV
V	12400.00	51.27	31.02	8.99	25.57	54.81	74.00	-19.19	PK
V	12400.00	43.24	31.02	8.99	25.57	46.78	54.00	-7.22	AV
H	4960.00	54.37	30.55	5.77	24.66	54.25	74.00	-19.75	PK
H	4960.00	43.10	30.55	5.77	24.66	42.98	54.00	-11.02	AV
H	7440.00	52.02	30.33	6.32	24.55	52.56	74.00	-21.44	PK
H	7440.00	43.95	30.33	6.32	24.55	44.49	54.00	-9.51	AV
H	9920.00	53.85	30.85	7.45	24.69	55.14	74.00	-18.86	PK
H	9920.00	43.13	30.85	7.45	24.69	44.42	54.00	-9.58	AV
H	12400.00	54.06	31.02	8.99	25.57	57.60	74.00	-16.40	PK
H	12400.00	43.23	31.02	8.99	25.57	46.77	54.00	-7.23	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,

Margin= Emission Level - Limit

2. If peak below the average limit, the average emission was no test.

3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

**CP30-air7 1GHz~25GHz**

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:2402MHz									
V	4804.00	52.66	30.55	5.77	24.66	52.54	74.00	-21.46	PK
V	4804.00	43.90	30.55	5.77	24.66	43.78	54.00	-10.22	AV
V	7206.00	54.66	30.33	6.32	24.55	55.20	74.00	-18.80	PK
V	7206.00	43.10	30.33	6.32	24.55	43.64	54.00	-10.36	AV
V	9608.00	51.76	30.85	7.45	24.69	53.05	74.00	-20.95	PK
V	9608.00	43.15	30.85	7.45	24.69	44.44	54.00	-9.56	AV
V	12010.00	50.72	31.02	8.99	25.57	54.26	74.00	-19.74	PK
V	12010.00	43.52	31.02	8.99	25.57	47.06	54.00	-6.94	AV
H	4804.00	50.95	30.55	5.77	24.66	50.83	74.00	-23.17	PK
H	4804.00	43.24	30.55	5.77	24.66	43.12	54.00	-10.88	AV
H	7206.00	50.29	30.33	6.32	24.55	50.83	74.00	-23.17	PK
H	7206.00	43.26	30.33	6.32	24.55	43.80	54.00	-10.20	AV
H	9608.00	50.62	30.85	7.45	24.69	51.91	74.00	-22.09	PK
H	9608.00	43.42	30.85	7.45	24.69	44.71	54.00	-9.29	AV
H	12010.00	50.35	31.02	8.99	25.57	53.89	74.00	-20.11	PK
H	12010.00	43.70	31.02	8.99	25.57	47.24	54.00	-6.76	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Middle Channel:2440MHz									
V	4880.00	54.48	30.55	5.77	24.66	54.36	74.00	-19.64	PK
V	4880.00	43.30	30.55	5.77	24.66	43.18	54.00	-10.82	AV
V	7320.00	52.22	30.33	6.32	24.55	52.76	74.00	-21.24	PK
V	7320.00	43.10	30.33	6.32	24.55	43.64	54.00	-10.36	AV
V	9760.00	53.74	30.85	7.45	24.69	55.03	74.00	-18.97	PK
V	9760.00	43.44	30.85	7.45	24.69	44.73	54.00	-9.27	AV
V	12200.00	53.45	31.02	8.99	25.57	56.99	74.00	-17.01	PK
V	12200.00	43.63	31.02	8.99	25.57	47.17	54.00	-6.83	AV
H	4880.00	53.62	30.55	5.77	24.66	53.50	74.00	-20.50	PK
H	4880.00	43.67	30.55	5.77	24.66	43.55	54.00	-10.45	AV
H	7320.00	53.91	30.33	6.32	24.55	54.45	74.00	-19.55	PK
H	7320.00	43.88	30.33	6.32	24.55	44.42	54.00	-9.58	AV
H	9760.00	52.09	30.85	7.45	24.69	53.38	74.00	-20.62	PK
H	9760.00	43.81	30.85	7.45	24.69	45.10	54.00	-8.90	AV
H	12200.00	51.41	31.02	8.99	25.57	54.95	74.00	-19.05	PK
H	12200.00	43.60	31.02	8.99	25.57	47.14	54.00	-6.86	AV



Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
High Channel:2480MHz									
V	4960.00	54.92	30.55	5.77	24.66	54.80	74.00	-19.20	PK
V	4960.00	43.40	30.55	5.77	24.66	43.28	54.00	-10.72	AV
V	7440.00	51.01	30.33	6.32	24.55	51.55	74.00	-22.45	PK
V	7440.00	43.21	30.33	6.32	24.55	43.75	54.00	-10.25	AV
V	9920.00	50.56	30.85	7.45	24.69	51.85	74.00	-22.15	PK
V	9920.00	43.07	30.85	7.45	24.69	44.36	54.00	-9.64	AV
V	12400.00	54.32	31.02	8.99	25.57	57.86	74.00	-16.14	PK
V	12400.00	43.78	31.02	8.99	25.57	47.32	54.00	-6.68	AV
H	4960.00	52.36	30.55	5.77	24.66	52.24	74.00	-21.76	PK
H	4960.00	43.50	30.55	5.77	24.66	43.38	54.00	-10.62	AV
H	7440.00	52.87	30.33	6.32	24.55	53.41	74.00	-20.59	PK
H	7440.00	43.10	30.33	6.32	24.55	43.64	54.00	-10.36	AV
H	9920.00	51.47	30.85	7.45	24.69	52.76	74.00	-21.24	PK
H	9920.00	43.79	30.85	7.45	24.69	45.08	54.00	-8.92	AV
H	12400.00	50.05	31.02	8.99	25.57	53.59	74.00	-20.41	PK
H	12400.00	43.29	31.02	8.99	25.57	46.83	54.00	-7.17	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,

Margin= Emission Level - Limit

2. If peak below the average limit, the average emission was no test.

3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



5. RADIATED BAND EMISSION MEASUREMENT

5.1 TEST REQUIREMENT:

Test Requirement:	FCC Part15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.10: 2013				
Test Frequency Range:	All of the restrict bands were tested, only the worst band's (2390MHz to 2500MHz) data was showed.				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Average	1MHz	3MHz	Average

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Limit (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

5.2 TEST PROCEDURE

Above 1GHz test procedure as below:

- a. 1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the Highest channel

Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

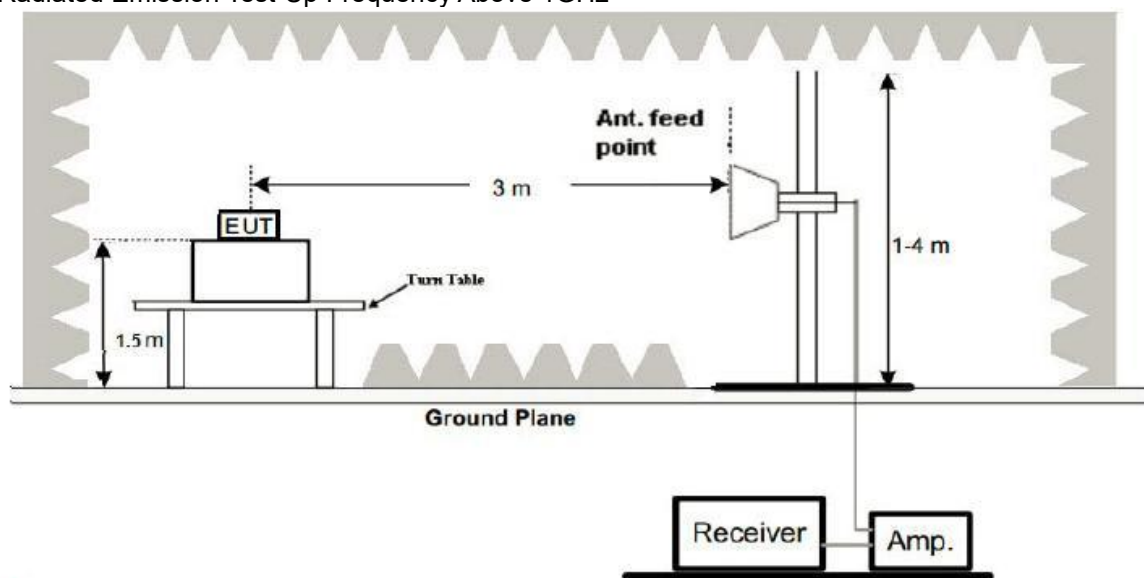


5.3 DEVIATION FROM TEST STANDARD

No deviation

5.4 TEST SETUP

Radiated Emission Test-Up Frequency Above 1GHz



5.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 5.4 Unless otherwise a special operating condition is specified in the follows during the testing.



5.6 TEST RESULT

A5 Mini K

	Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBu V/m)	Margin (dB)	Detect or Type	Result
GFSK	Low Channel: 2402MHz										
	H	2390.00	54.57	30.22	4.85	23.98	53.18	74.00	-20.82	PK	PASS
	H	2390.00	44.17	30.22	4.85	23.98	42.78	54.00	-11.22	AV	PASS
	H	2400.00	53.47	30.22	4.85	23.98	52.08	74.00	-21.92	PK	PASS
	H	2400.00	44.24	30.22	4.85	23.98	42.85	54.00	-11.15	AV	PASS
	V	2390.00	54.85	30.22	4.85	23.98	53.46	74.00	-20.54	PK	PASS
	V	2390.00	44.56	30.22	4.85	23.98	43.17	54.00	-10.83	AV	PASS
	V	2400.00	53.32	30.22	4.85	23.98	51.93	74.00	-22.07	PK	PASS
	V	2400.00	44.79	30.22	4.85	23.98	43.40	54.00	-10.60	AV	PASS
	High Channel: 2480MHz										
	H	2483.50	54.20	30.22	4.85	23.98	52.81	74.00	-21.19	Pk	PASS
	H	2483.50	44.01	30.22	4.85	23.98	42.62	54.00	-11.38	AV	PASS
	H	2500.00	54.53	30.22	4.85	23.98	53.14	74.00	-20.86	Pk	PASS
	H	2500.00	44.33	30.22	4.85	23.98	42.94	54.00	-11.06	AV	PASS
	V	2483.50	53.12	30.22	4.85	23.98	51.73	74.00	-22.27	Pk	PASS
	V	2483.50	44.30	30.22	4.85	23.98	42.91	54.00	-11.09	AV	PASS
	V	2500.00	54.11	30.22	4.85	23.98	52.72	74.00	-21.28	Pk	PASS
	V	2500.00	44.29	30.22	4.85	23.98	42.90	54.00	-11.10	AV	PASS
Remark:											
1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit.											

**A5MINI F-S**

	Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBu V/m)	Margin (dB)	Detect or Type	Result
GFSK	Low Channel: 2402MHz										
	H	2390.00	53.17	30.22	4.85	23.98	51.78	74.00	-22.22	PK	PASS
	H	2390.00	44.11	30.22	4.85	23.98	42.72	54.00	-11.28	AV	PASS
	H	2400.00	53.86	30.22	4.85	23.98	52.47	74.00	-21.53	PK	PASS
	H	2400.00	44.72	30.22	4.85	23.98	43.33	54.00	-10.67	AV	PASS
	V	2390.00	53.66	30.22	4.85	23.98	52.27	74.00	-21.73	PK	PASS
	V	2390.00	44.31	30.22	4.85	23.98	42.92	54.00	-11.08	AV	PASS
	V	2400.00	54.77	30.22	4.85	23.98	53.38	74.00	-20.62	PK	PASS
	V	2400.00	44.17	30.22	4.85	23.98	42.78	54.00	-11.22	AV	PASS
	High Channel: 2480MHz										
	H	2483.50	53.87	30.22	4.85	23.98	52.48	74.00	-21.52	Pk	PASS
	H	2483.50	44.91	30.22	4.85	23.98	43.52	54.00	-10.48	AV	PASS
	H	2500.00	53.86	30.22	4.85	23.98	52.47	74.00	-21.53	Pk	PASS
	H	2500.00	44.64	30.22	4.85	23.98	43.25	54.00	-10.75	AV	PASS
	V	2483.50	53.73	30.22	4.85	23.98	52.34	74.00	-21.66	Pk	PASS
	V	2483.50	44.01	30.22	4.85	23.98	42.62	54.00	-11.38	AV	PASS
	V	2500.00	53.82	30.22	4.85	23.98	52.43	74.00	-21.57	Pk	PASS
	V	2500.00	44.74	30.22	4.85	23.98	43.35	54.00	-10.65	AV	PASS
Remark:											
1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit.											

**A5MINI I**

	Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBu V/m)	Margin (dB)	Detect or Type	Result
GFSK	Low Channel: 2402MHz										
	H	2390.00	54.69	30.22	4.85	23.98	53.30	74.00	-20.70	PK	PASS
	H	2390.00	44.38	30.22	4.85	23.98	42.99	54.00	-11.01	AV	PASS
	H	2400.00	53.71	30.22	4.85	23.98	52.32	74.00	-21.68	PK	PASS
	H	2400.00	44.16	30.22	4.85	23.98	42.77	54.00	-11.23	AV	PASS
	V	2390.00	54.74	30.22	4.85	23.98	53.35	74.00	-20.65	PK	PASS
	V	2390.00	44.35	30.22	4.85	23.98	42.96	54.00	-11.04	AV	PASS
	V	2400.00	53.59	30.22	4.85	23.98	52.20	74.00	-21.80	PK	PASS
	V	2400.00	44.39	30.22	4.85	23.98	43.00	54.00	-11.00	AV	PASS
	High Channel: 2480MHz										
	H	2483.50	54.09	30.22	4.85	23.98	52.70	74.00	-21.30	Pk	PASS
	H	2483.50	44.32	30.22	4.85	23.98	42.93	54.00	-11.07	AV	PASS
	H	2500.00	54.86	30.22	4.85	23.98	53.47	74.00	-20.53	Pk	PASS
	H	2500.00	44.73	30.22	4.85	23.98	43.34	54.00	-10.66	AV	PASS
	V	2483.50	53.99	30.22	4.85	23.98	52.60	74.00	-21.40	Pk	PASS
	V	2483.50	44.97	30.22	4.85	23.98	43.58	54.00	-10.42	AV	PASS
	V	2500.00	53.31	30.22	4.85	23.98	51.92	74.00	-22.08	Pk	PASS
	V	2500.00	44.23	30.22	4.85	23.98	42.84	54.00	-11.16	AV	PASS
Remark:											
1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit.											



CP30-air

	Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBu V/m)	Margin (dB)	Detect or Type	Result
GFSK	Low Channel: 2402MHz										
	H	2390.00	53.74	30.22	4.85	23.98	52.35	74.00	-21.65	PK	PASS
	H	2390.00	44.51	30.22	4.85	23.98	43.12	54.00	-10.88	AV	PASS
	H	2400.00	54.77	30.22	4.85	23.98	53.38	74.00	-20.62	PK	PASS
	H	2400.00	44.54	30.22	4.85	23.98	43.15	54.00	-10.85	AV	PASS
	V	2390.00	54.42	30.22	4.85	23.98	53.03	74.00	-20.97	PK	PASS
	V	2390.00	44.28	30.22	4.85	23.98	42.89	54.00	-11.11	AV	PASS
	V	2400.00	53.35	30.22	4.85	23.98	51.96	74.00	-22.04	PK	PASS
	V	2400.00	44.92	30.22	4.85	23.98	43.53	54.00	-10.47	AV	PASS
	High Channel: 2480MHz										
	H	2483.50	53.41	30.22	4.85	23.98	52.02	74.00	-21.98	Pk	PASS
	H	2483.50	44.93	30.22	4.85	23.98	43.54	54.00	-10.46	AV	PASS
	H	2500.00	53.53	30.22	4.85	23.98	52.14	74.00	-21.86	Pk	PASS
	H	2500.00	44.50	30.22	4.85	23.98	43.11	54.00	-10.89	AV	PASS
	V	2483.50	53.34	30.22	4.85	23.98	51.95	74.00	-22.05	Pk	PASS
	V	2483.50	44.80	30.22	4.85	23.98	43.41	54.00	-10.59	AV	PASS
	V	2500.00	54.89	30.22	4.85	23.98	53.50	74.00	-20.50	Pk	PASS
	V	2500.00	44.14	30.22	4.85	23.98	42.75	54.00	-11.25	AV	PASS
Remark:											
1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit.											



CP30-air2

	Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBu V/m)	Margin (dB)	Detect or Type	Result
GFSK	Low Channel: 2402MHz										
	H	2390.00	53.99	30.22	4.85	23.98	52.60	74.00	-21.40	PK	PASS
	H	2390.00	44.02	30.22	4.85	23.98	42.63	54.00	-11.37	AV	PASS
	H	2400.00	53.34	30.22	4.85	23.98	51.95	74.00	-22.05	PK	PASS
	H	2400.00	44.81	30.22	4.85	23.98	43.42	54.00	-10.58	AV	PASS
	V	2390.00	53.71	30.22	4.85	23.98	52.32	74.00	-21.68	PK	PASS
	V	2390.00	44.87	30.22	4.85	23.98	43.48	54.00	-10.52	AV	PASS
	V	2400.00	54.84	30.22	4.85	23.98	53.45	74.00	-20.55	PK	PASS
	V	2400.00	44.09	30.22	4.85	23.98	42.70	54.00	-11.30	AV	PASS
	High Channel: 2480MHz										
	H	2483.50	53.84	30.22	4.85	23.98	52.45	74.00	-21.55	Pk	PASS
	H	2483.50	44.88	30.22	4.85	23.98	43.49	54.00	-10.51	AV	PASS
	H	2500.00	54.49	30.22	4.85	23.98	53.10	74.00	-20.90	Pk	PASS
	H	2500.00	44.14	30.22	4.85	23.98	42.75	54.00	-11.25	AV	PASS
	V	2483.50	54.89	30.22	4.85	23.98	53.50	74.00	-20.50	Pk	PASS
	V	2483.50	44.25	30.22	4.85	23.98	42.86	54.00	-11.14	AV	PASS
	V	2500.00	54.86	30.22	4.85	23.98	53.47	74.00	-20.53	Pk	PASS
	V	2500.00	44.34	30.22	4.85	23.98	42.95	54.00	-11.05	AV	PASS
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit.											



CP30-air3

	Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBu V/m)	Margin (dB)	Detect or Type	Result
GFSK	Low Channel: 2402MHz										
	H	2390.00	53.39	30.22	4.85	23.98	52.00	74.00	-22.00	PK	PASS
	H	2390.00	44.06	30.22	4.85	23.98	42.67	54.00	-11.33	AV	PASS
	H	2400.00	53.66	30.22	4.85	23.98	52.27	74.00	-21.73	PK	PASS
	H	2400.00	44.32	30.22	4.85	23.98	42.93	54.00	-11.07	AV	PASS
	V	2390.00	53.78	30.22	4.85	23.98	52.39	74.00	-21.61	PK	PASS
	V	2390.00	44.12	30.22	4.85	23.98	42.73	54.00	-11.27	AV	PASS
	V	2400.00	53.83	30.22	4.85	23.98	52.44	74.00	-21.56	PK	PASS
	V	2400.00	44.93	30.22	4.85	23.98	43.54	54.00	-10.46	AV	PASS
	High Channel: 2480MHz										
	H	2483.50	54.62	30.22	4.85	23.98	53.23	74.00	-20.77	Pk	PASS
	H	2483.50	44.80	30.22	4.85	23.98	43.41	54.00	-10.59	AV	PASS
	H	2500.00	53.66	30.22	4.85	23.98	52.27	74.00	-21.73	Pk	PASS
	H	2500.00	44.98	30.22	4.85	23.98	43.59	54.00	-10.41	AV	PASS
	V	2483.50	54.28	30.22	4.85	23.98	52.89	74.00	-21.11	Pk	PASS
	V	2483.50	44.17	30.22	4.85	23.98	42.78	54.00	-11.22	AV	PASS
	V	2500.00	54.56	30.22	4.85	23.98	53.17	74.00	-20.83	Pk	PASS
	V	2500.00	44.28	30.22	4.85	23.98	42.89	54.00	-11.11	AV	PASS
Remark:											
1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit.											

**CP30-air5**

	Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBu V/m)	Margin (dB)	Detect or Type	Result
GFSK	Low Channel: 2402MHz										
	H	2390.00	54.82	30.22	4.85	23.98	53.43	74.00	-20.57	PK	PASS
	H	2390.00	44.93	30.22	4.85	23.98	43.54	54.00	-10.46	AV	PASS
	H	2400.00	53.57	30.22	4.85	23.98	52.18	74.00	-21.82	PK	PASS
	H	2400.00	44.90	30.22	4.85	23.98	43.51	54.00	-10.49	AV	PASS
	V	2390.00	54.51	30.22	4.85	23.98	53.12	74.00	-20.88	PK	PASS
	V	2390.00	44.89	30.22	4.85	23.98	43.50	54.00	-10.50	AV	PASS
	V	2400.00	54.26	30.22	4.85	23.98	52.87	74.00	-21.13	PK	PASS
	V	2400.00	44.40	30.22	4.85	23.98	43.01	54.00	-10.99	AV	PASS
	High Channel: 2480MHz										
	H	2483.50	54.69	30.22	4.85	23.98	53.30	74.00	-20.70	Pk	PASS
	H	2483.50	44.72	30.22	4.85	23.98	43.33	54.00	-10.67	AV	PASS
	H	2500.00	53.56	30.22	4.85	23.98	52.17	74.00	-21.83	Pk	PASS
	H	2500.00	44.98	30.22	4.85	23.98	43.59	54.00	-10.41	AV	PASS
	V	2483.50	54.43	30.22	4.85	23.98	53.04	74.00	-20.96	Pk	PASS
	V	2483.50	44.43	30.22	4.85	23.98	43.04	54.00	-10.96	AV	PASS
	V	2500.00	53.67	30.22	4.85	23.98	52.28	74.00	-21.72	Pk	PASS
	V	2500.00	44.61	30.22	4.85	23.98	43.22	54.00	-10.78	AV	PASS
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit.											

**CP30-air6**

	Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBu V/m)	Margin (dB)	Detect or Type	Result
GFSK	Low Channel: 2402MHz										
	H	2390.00	54.66	30.22	4.85	23.98	53.27	74.00	-20.73	PK	PASS
	H	2390.00	44.92	30.22	4.85	23.98	43.53	54.00	-10.47	AV	PASS
	H	2400.00	53.19	30.22	4.85	23.98	51.80	74.00	-22.20	PK	PASS
	H	2400.00	44.66	30.22	4.85	23.98	43.27	54.00	-10.73	AV	PASS
	V	2390.00	53.48	30.22	4.85	23.98	52.09	74.00	-21.91	PK	PASS
	V	2390.00	44.39	30.22	4.85	23.98	43.00	54.00	-11.00	AV	PASS
	V	2400.00	53.09	30.22	4.85	23.98	51.70	74.00	-22.30	PK	PASS
	V	2400.00	44.22	30.22	4.85	23.98	42.83	54.00	-11.17	AV	PASS
	High Channel: 2480MHz										
	H	2483.50	54.86	30.22	4.85	23.98	53.47	74.00	-20.53	Pk	PASS
	H	2483.50	44.04	30.22	4.85	23.98	42.65	54.00	-11.35	AV	PASS
	H	2500.00	53.06	30.22	4.85	23.98	51.67	74.00	-22.33	Pk	PASS
	H	2500.00	44.28	30.22	4.85	23.98	42.89	54.00	-11.11	AV	PASS
	V	2483.50	54.50	30.22	4.85	23.98	53.11	74.00	-20.89	Pk	PASS
	V	2483.50	44.54	30.22	4.85	23.98	43.15	54.00	-10.85	AV	PASS
	V	2500.00	54.92	30.22	4.85	23.98	53.53	74.00	-20.47	Pk	PASS
	V	2500.00	44.01	30.22	4.85	23.98	42.62	54.00	-11.38	AV	PASS
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit.											



CP30-air7

	Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBu V/m)	Margin (dB)	Detect or Type	Result
GFSK	Low Channel: 2402MHz										
	H	2390.00	53.72	30.22	4.85	23.98	52.33	74.00	-21.67	PK	PASS
	H	2390.00	44.19	30.22	4.85	23.98	42.80	54.00	-11.20	AV	PASS
	H	2400.00	54.57	30.22	4.85	23.98	53.18	74.00	-20.82	PK	PASS
	H	2400.00	44.44	30.22	4.85	23.98	43.05	54.00	-10.95	AV	PASS
	V	2390.00	53.38	30.22	4.85	23.98	51.99	74.00	-22.01	PK	PASS
	V	2390.00	44.21	30.22	4.85	23.98	42.82	54.00	-11.18	AV	PASS
	V	2400.00	54.89	30.22	4.85	23.98	53.50	74.00	-20.50	PK	PASS
	V	2400.00	44.45	30.22	4.85	23.98	43.06	54.00	-10.94	AV	PASS
	High Channel: 2480MHz										
	H	2483.50	53.42	30.22	4.85	23.98	52.03	74.00	-21.97	Pk	PASS
	H	2483.50	44.11	30.22	4.85	23.98	42.72	54.00	-11.28	AV	PASS
	H	2500.00	53.96	30.22	4.85	23.98	52.57	74.00	-21.43	Pk	PASS
	H	2500.00	44.91	30.22	4.85	23.98	43.52	54.00	-10.48	AV	PASS
	V	2483.50	54.77	30.22	4.85	23.98	53.38	74.00	-20.62	Pk	PASS
	V	2483.50	44.51	30.22	4.85	23.98	43.12	54.00	-10.88	AV	PASS
	V	2500.00	54.43	30.22	4.85	23.98	53.04	74.00	-20.96	Pk	PASS
	V	2500.00	44.12	30.22	4.85	23.98	42.73	54.00	-11.27	AV	PASS
Remark:											
1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit.											



6. POWER SPECTRAL DENSITY TEST

Test Requirement:	FCC Part15 C Section 15.247 (e)
Test Method:	KDB558074 D01 15.247 Meas Guidance v05r02

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247 (e)	Power Spectral Density	8dBm/3kHz	2400-2483.5	PASS

6.2 TEST PROCEDURE

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
4. Set the VBW $\geq 3 \times \text{RBW}$.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level within the RBW.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 6.4 Unless otherwise a special operating condition is specified in the follows during the testing.

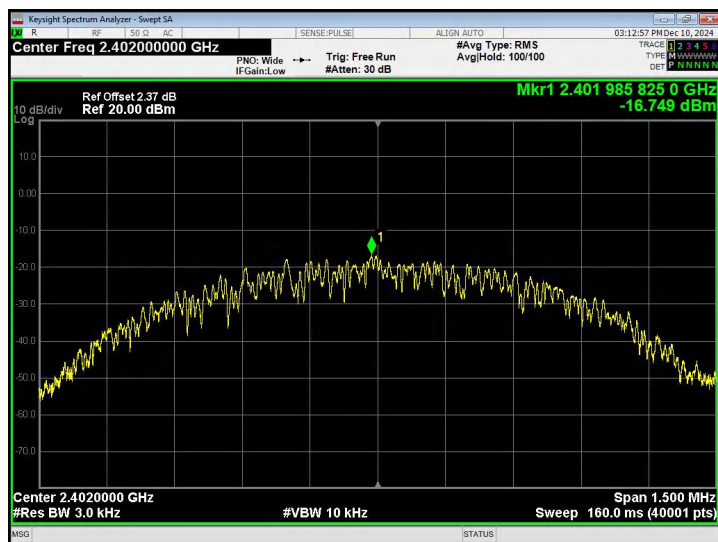


6.6 TEST RESULT

Temperature :	26℃	Relative Humidity :	54%
Pressure:	101kPa	Test Voltage:	DC 5V

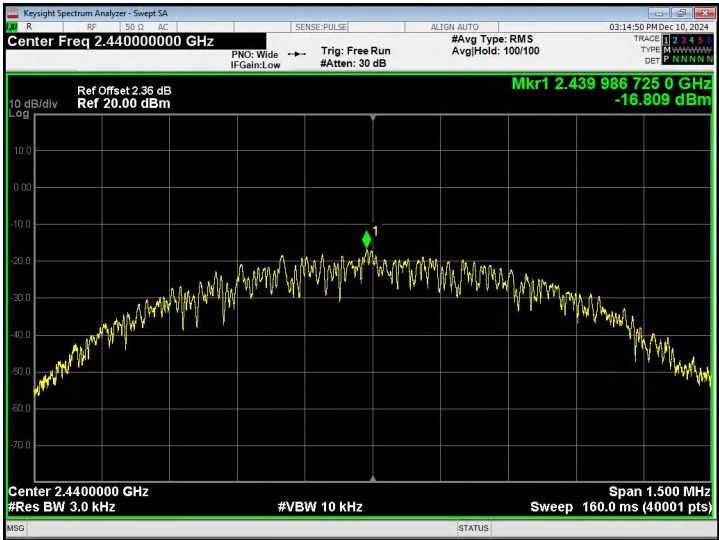
Test Mode	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
GFSK	2402	-16.749	8	PASS
	2440	-16.809	8	PASS
	2480	-17.726	8	PASS

CH01

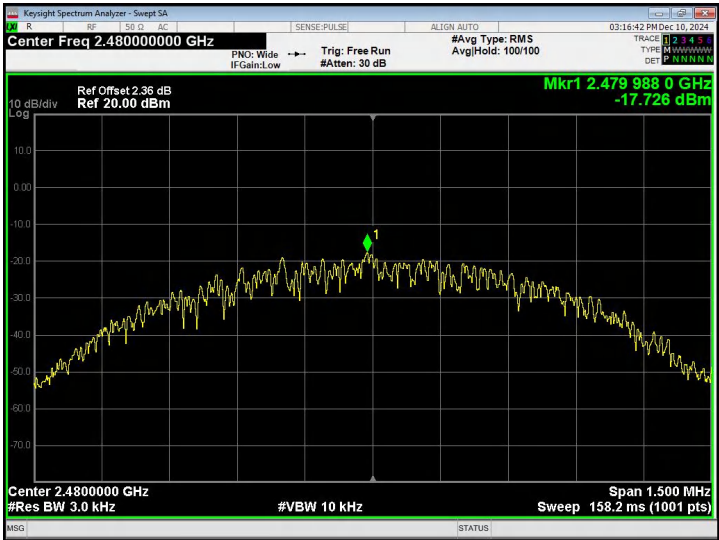




CH20



CH40





7. 6DB OCCUPIED BANDWIDTH

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
Test Method:	KDB558074 D01 15.247 Meas Guidance v05r02

7.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range	Result
15.247(a)(2)	Bandwidth	$\geq 500\text{kHz}$ (6dB Occupied Bandwidth)	2400-2483.5 (MHz)	PASS

7.2 TEST PROCEDURE

1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 7.4 Unless otherwise a special operating condition is specified in the follows during the testing.

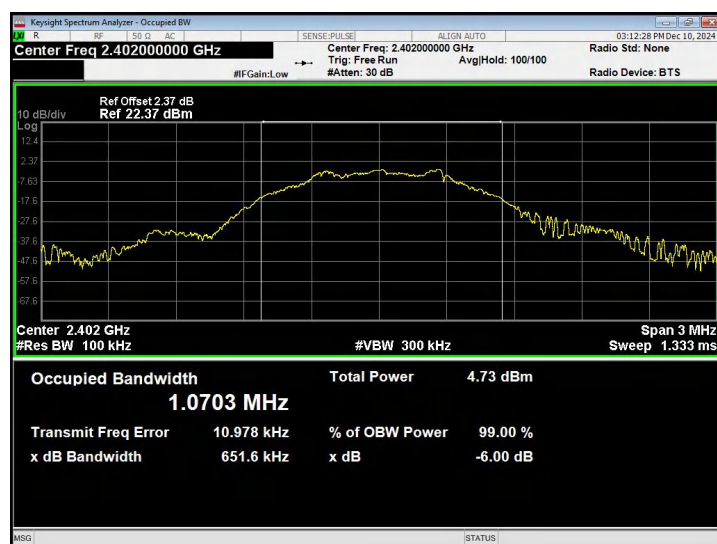


7.6 TEST RESULT

Temperature :	26℃	Relative Humidity :	54%
Pressure:	101kPa	Test Voltage:	DC 5V

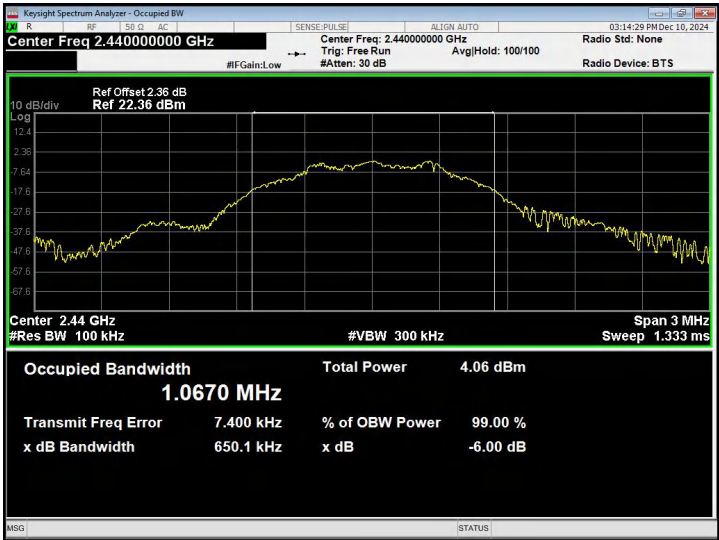
Test Mode	Frequency (MHz)	6dB Occupied Bandwidth (MHz)	Limit (kHz)	Result
GFSK	2402	0.6516	>500	Pass
	2440	0.6501		
	2480	0.6613		

CH 01

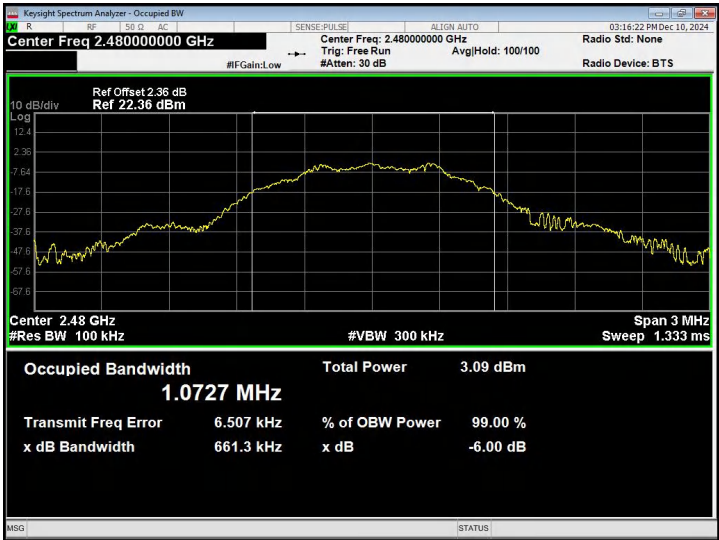




CH20



CH40



**8. PEAK OUTPUT POWER TEST**

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)
Test Method:	KDB558074 D01 15.247 Meas Guidance v05r02

8.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range	Result
15.247(b)(3)	Peak Output Power	1 watt or 30dBm	2400-2483.5 (MHz)	PASS

8.2 TEST PROCEDURE

- a. The EUT was directly connected to the Power meter

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP**8.5 EUT OPERATION CONDITIONS**

The EUT tested system was configured as the statements of 8.4 Unless otherwise a special operating condition is specified in the follows during the testing.



8.6 TEST RESULT

Temperature :	26℃	Relative Humidity :	54%
Pressure:	101kPa	Test Voltage:	DC 5V

Test Mode	Test Frequency (MHz)	Peak Output Power (dBm)	Limit (dBm)	Result
GFSK	2402	-1.373	30.00	Pass
	2440	-1.959		
	2480	-2.882		



9. CONDUCTED BAND EDGE AND SPURIOUS EMISSION

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB558074 D01 15.247 Meas Guidance v05r02

9.1 APPLICABLE STANDARD

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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.

9.2 TEST PROCEDURE

Using the following spectrum analyzer setting:

- A) Set the RBW = 100KHz.
- B) Set the VBW = 300KHz.
- C) Sweep time = auto couple.
- D) Detector function = peak.
- E) Trace mode = max hold.
- F) Allow trace to fully stabilize.

9.3 DEVIATION FROM STANDARD

No deviation.

9.4 TEST SETUP



9.5 EUT OPERATION CONDITIONS

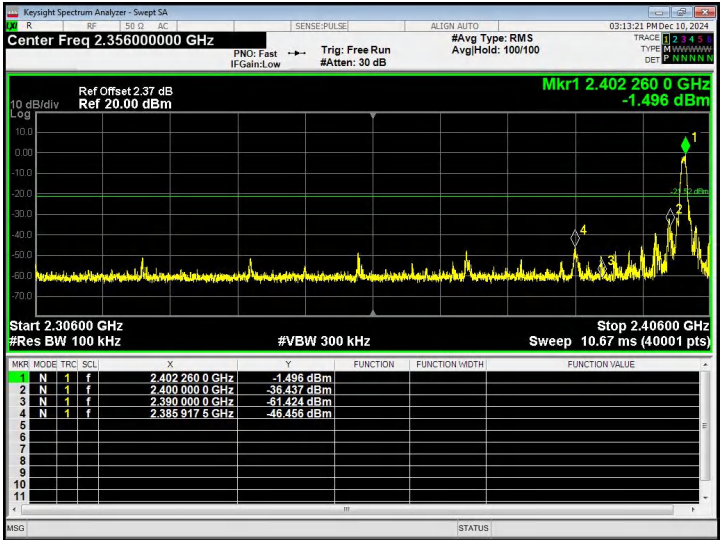
The EUT tested system was configured as the statements of 9.4 Unless otherwise a special operating condition is specified in the follows during the testing.



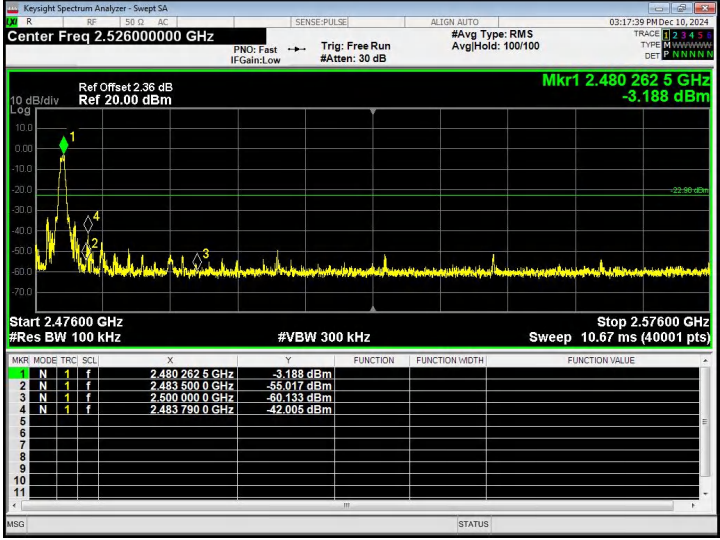
9.6 TEST RESULTS

Temperature :	26℃	Relative Humidity :	54%
Pressure:	101kPa	Test Voltage:	DC 5V

Band Edge, Left Side

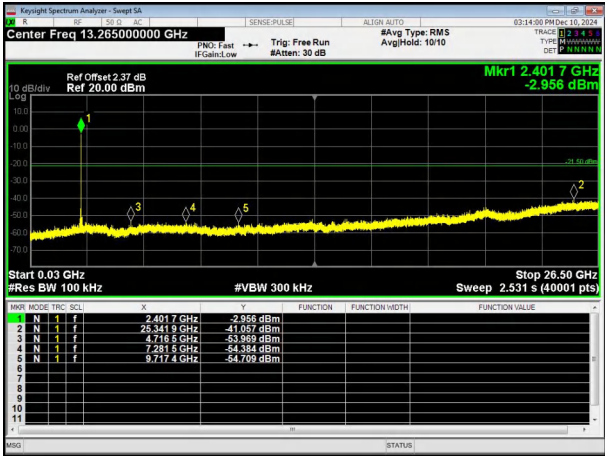


Band Edge, Right Side

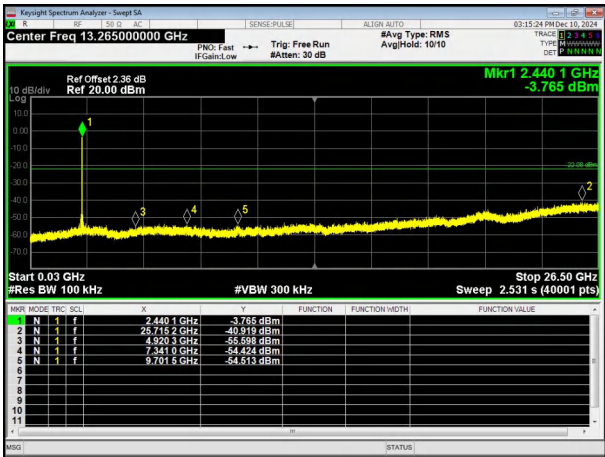




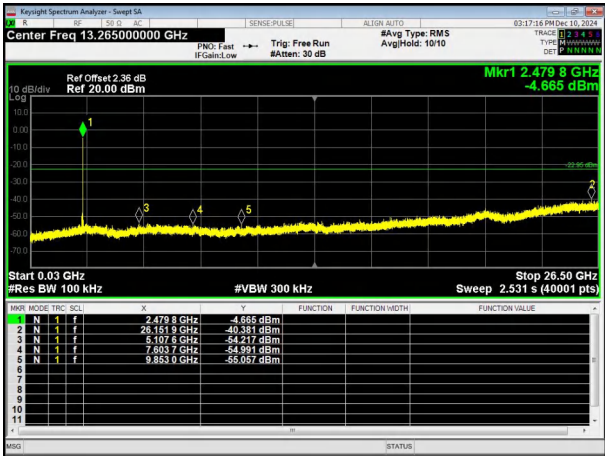
Lowest channel



Middle channel



Highest channel



30MHz-26.5GHz



10.DUTY CYCLE

Test Method:	ANSI C63.10:2013
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10.1 APPLIED PROCEDURES / LIMIT

Measurements of duty cycle and transmission duration shall be performed using one of the following techniques:

- a) A diode detector and an oscilloscope that together have a sufficiently short response time to permit accurate measurements of the ON and OFF times of the transmitted signal.
- b) The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:
 - 1) Set the center frequency of the instrument to the center frequency of the transmission.
 - 2) Set $RBW \geq OBW$ if possible; otherwise, set RBW to the largest available value.
 - 3) Set $VBW \geq RBW$. Set detector = peak or average.
 - 4) The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$ and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring the duty cycle shall not be used if $T \leq 16.7 \mu s$.)

10.2 DEVIATION FROM STANDARD

No deviation.

10.3 TEST SETUP

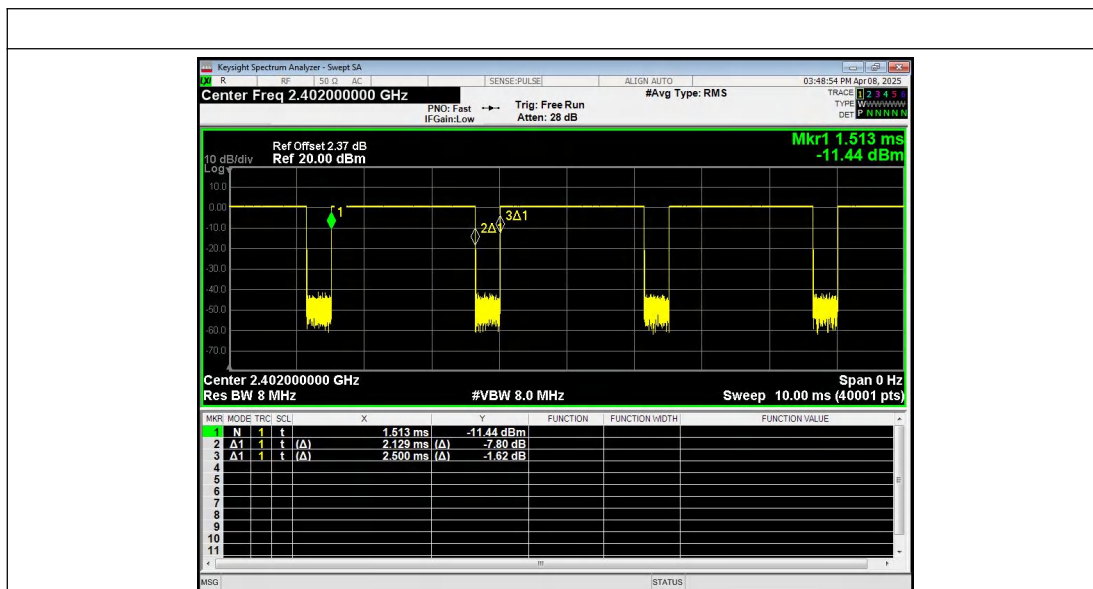




10.4 TEST RESULTS

Temperature :	26℃	Relative Humidity :	54%
Pressure:	101kPa	Test Voltage:	DC 5V

Test Mode	Frequency (MHz)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Result
GFSK	2402	85.2	0.7	Pass



Note: All channel have been tested, and the report only reflects the worst case data.

Duty Cycle = Ton /Total*100%

Duty Cycle Correction Factor = 10log (1/Duty Cycle)

**11.ANTENNA REQUIREMENT**

Standard requirement:	FCC Part15 C Section 15.203 /247(c)
15.203 requirement: 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, 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. 15.247(c) (1)(i) requirement: (i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.	
EUT Antenna:	
The antenna is PCB Antenna, the best case gain of the antennas is 2.24 dBi, reference to the appendix II for details	



12. TEST SETUP PHOTO

Reference to the appendix I for details.

13. EUT CONSTRUCTIONAL DETAILS

Reference to the appendix II for details.

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