

TEST REPORT

Report No.: BCTC2504799535-3E

Applicant: REOLINK TECHNOLOGY PTE. LTD.

Product Name: WiFi module

Test Model: WXT0HR1101

Tested Date: 2025-04-07 to 2025-05-06

Issued Date: 2025-05-07

Shenzhen BCTC Testing Co., Ltd.



FCC ID: 2BN5S-2503D

Product Name: WiFi module

Trademark: 

Model/Type reference: WXT0HR1101

Prepared For: REOLINK TECHNOLOGY PTE. LTD.

Address: 31 KAKI BUKIT ROAD 3, #06-02, TECHLINK, SINGAPORE 417818

Manufacturer: REOLINK TECHNOLOGY PTE. LTD.

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Prepared By: Shenzhen BCTC Testing Co., Ltd.

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Sample Received Date: 2025-04-07

Sample tested Date: 2025-04-07 to 2025-05-06

Issue Date: 2025-05-07

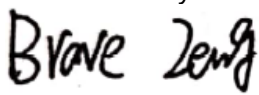
Report No.: BCTC2504799535-3E

Test Standards: FCC Part15.247
ANSI C63.10-2013

Test Results: PASS

Remark: This is WIFI-2.4GHz band radio test report.

Tested by:



Brave Zeng / Project Handler

Approved by:



Zero Zhou / Reviewer

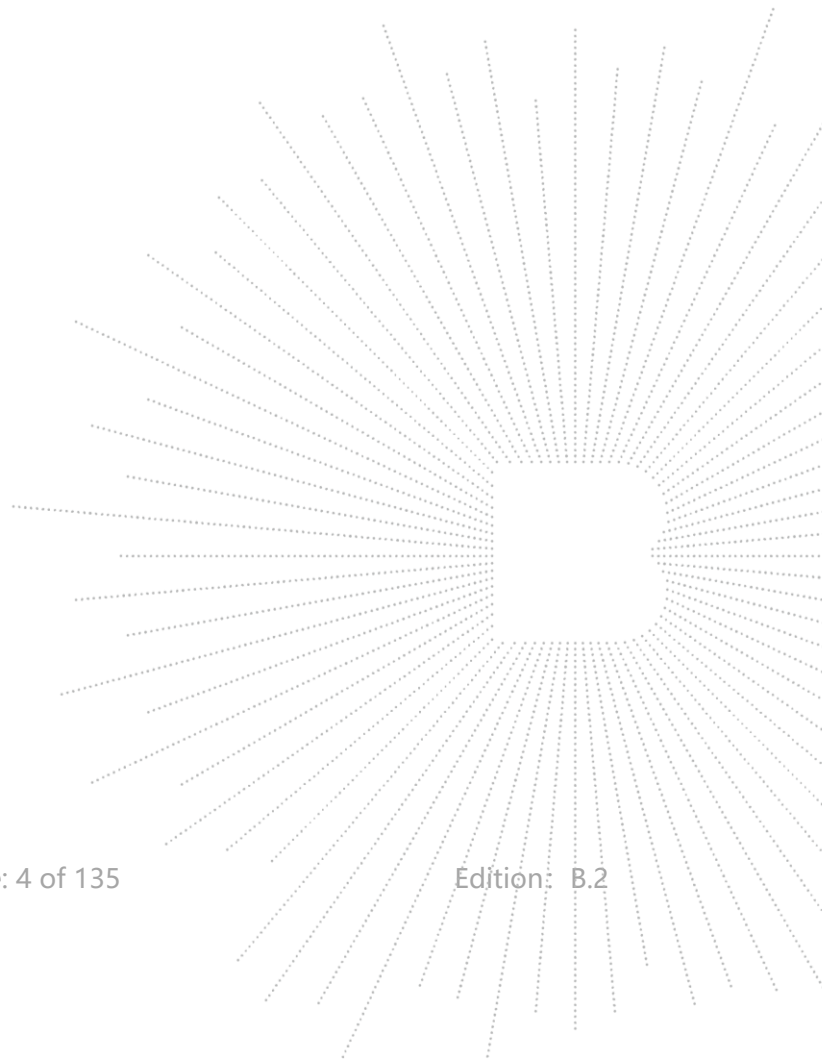
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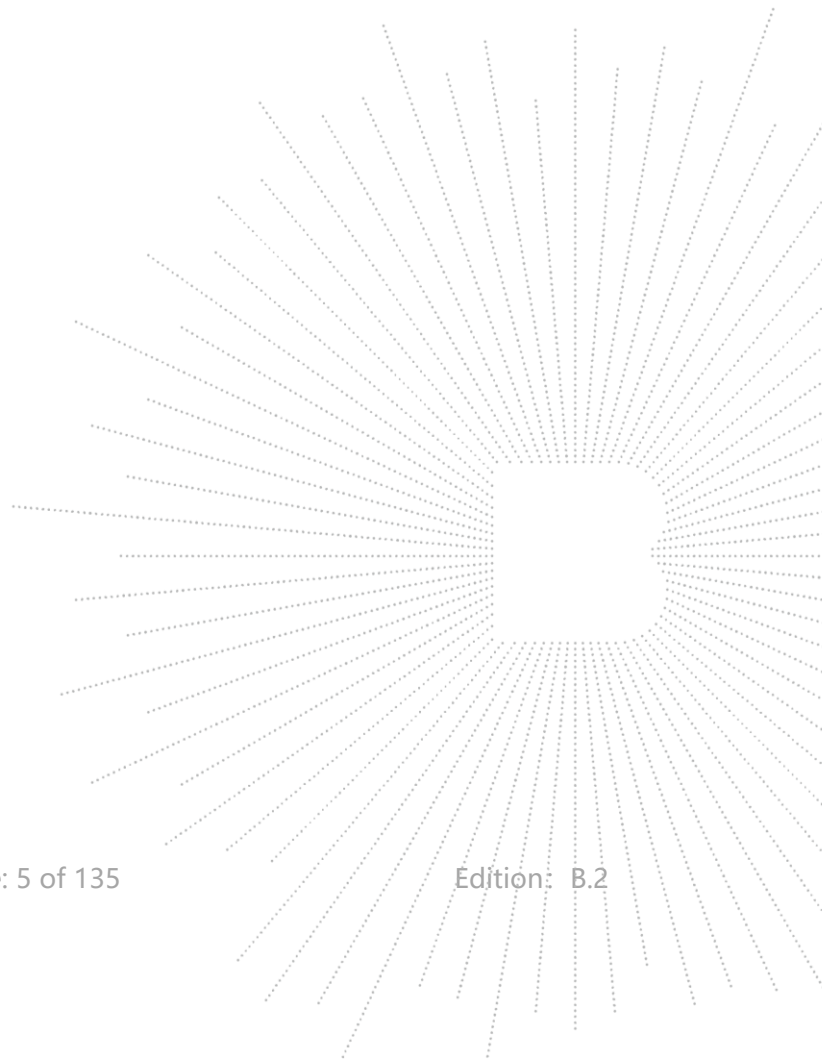
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(Note: N/A means not applicable)



1. Version

Report No.	Issue Date	Description	Approved
BCTC2504799535-3E	2025-05-07	Original	Valid

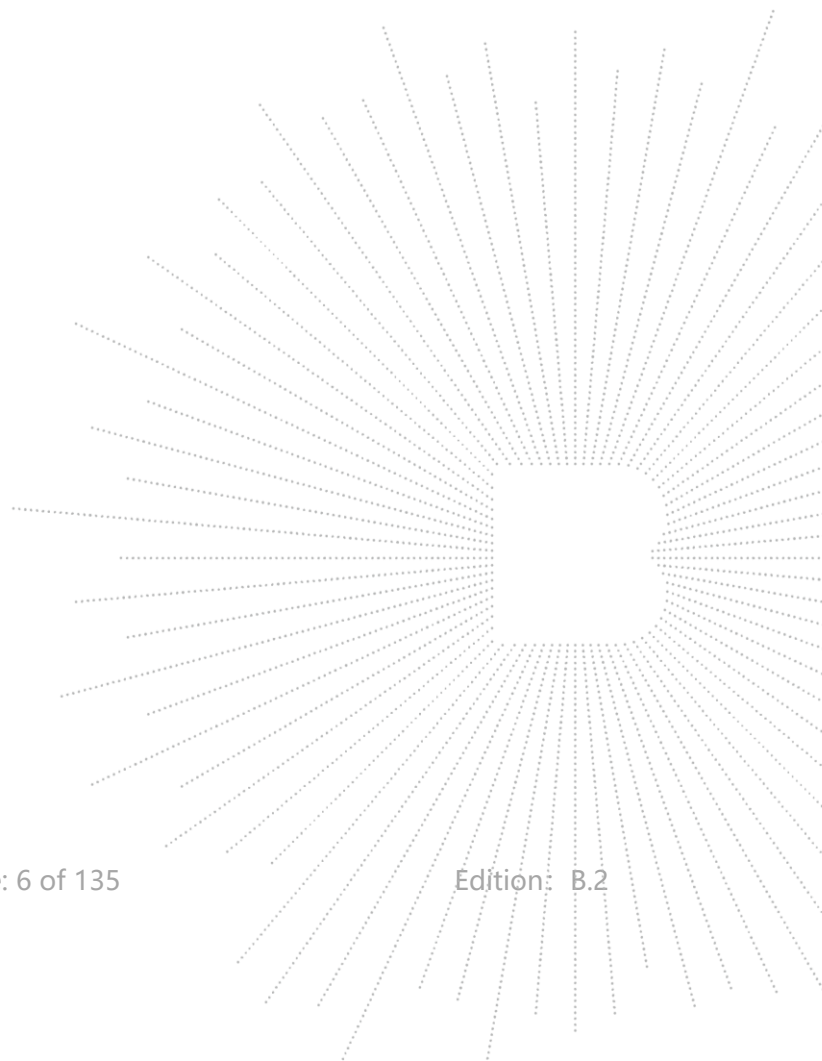


2. Test Summary

The Product has been tested according to the following specifications:

No.	Test Parameter	Clause No.	Results
1	Conducted Emission	15.207	PASS
2	6dB Bandwidth	15.247 (a)(2)	PASS
3	Peak Output Power	15.247 (b)	PASS
4	Radiated Spurious Emission	15.247 (d)	PASS
5	Power Spectral Density	15.247 (e)	PASS
6	Restricted Band of Operation	15.205	PASS
7	Band Edge (Out of Band Emissions)	15.247 (d)	PASS
8	Antenna Requirement	15.203	PASS

Note: The product has four different antennas: Antenna 1 (0141), Antenna 2 (0144), Antenna 3 (0156), and Antenna 4 (0158).



3. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

No.	Item	Uncertainty
1	3m chamber Radiated spurious emission(9kHz-30MHz)	U=3.7dB
2	3m chamber Radiated spurious emission(30MHz-1GHz)	U=4.3dB
3	3m chamber Radiated spurious emission(1GHz-18GHz)	U=4.5dB
4	3m chamber Radiated spurious emission(18GHz-40GHz)	U=3.34dB
5	Conducted Emission(150kHz-30MHz)	U=3.20dB
6	Conducted Adjacent channel power	U=1.38dB
7	Conducted output power uncertainty Above 1G	U=1.576dB
8	Conducted output power uncertainty below 1G	U=1.28dB
9	humidity uncertainty	U=5.3%
10	Temperature uncertainty	U=0.59°C

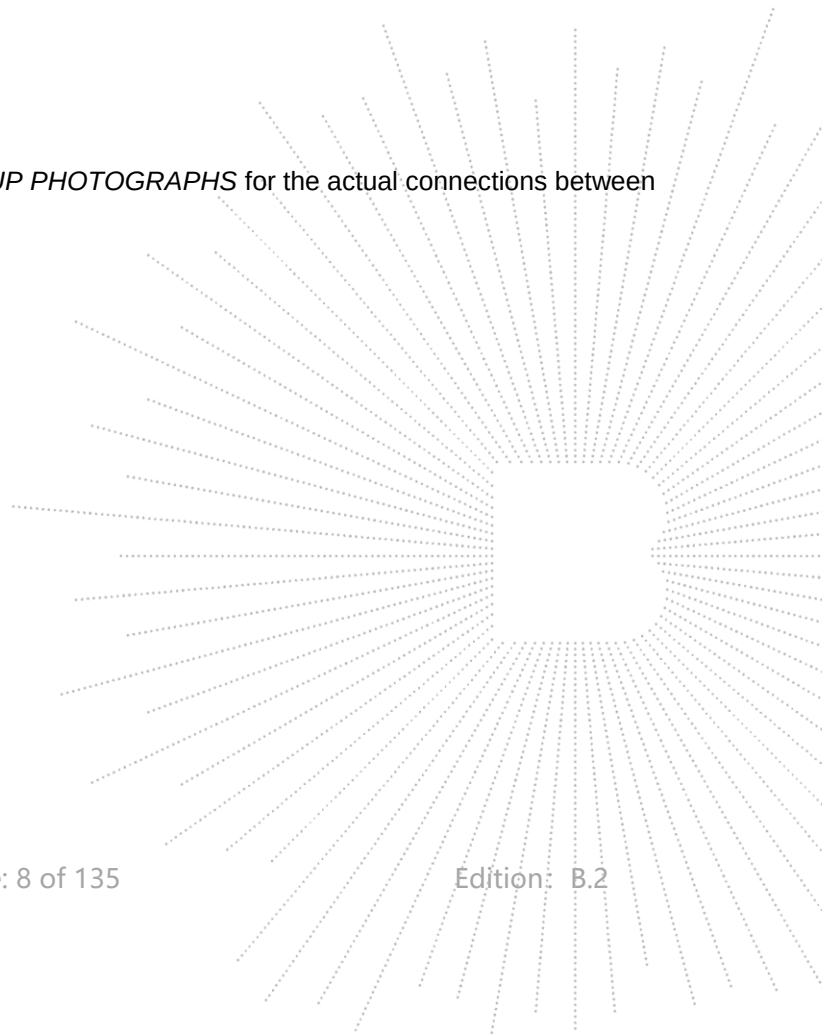
4. Product Information And Test Setup

4.1 Product Information

Model/Type reference:	WXT0HR1101
Model differences:	N/A
Hardware Version:	N/A
Software Version:	N/A
Operation Frequency:	802.11b/g/n20/ax20MHz:2412~2462 MHz 802.11n40/ax40MHz:2422~2452 MHz 802.11b:11/5.5/2/1 Mbps
Bit Rate of Transmitter	802.11g:54/48/36/24/18/12/9/6Mbps 802.11n Up to 150Mbps 802.11ax Up to 240Mbps
Type of Modulation:	OFDM/DSSS/OFDMA
Number Of Channel	802.11b/g/n20/ax20MHz:11 CH 802.11n40/ax40MHz: 7 CH
Antenna installation:	FPC antenna Antenna 1: 4.09 dBi Antenna 2: 4.22 dBi Antenna 3: 2.60 dBi Antenna 4: 3.95 dBi
Antenna Gain:	Remark: ☒ The antenna gain of the product comes from the antenna report provided by the customer, and the test data is affected by the customer information. ☐ The antenna gain of the product is provided by the customer, and the test data is affected by the customer information.
Ratings:	DC 3.3V

4.2 Test Setup Configuration

See test photographs attached in *EUT TEST SETUP PHOTOGRAPHS* for the actual connections between Product and support equipment.



4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	WiFi module		WXT0HR110 1	N/A	EUT
E-2	Adapter		ADLX65YLC 3D	N/A	Auxiliary
E-3	PC		ThinkPad E15 Gen2	N/A	Auxiliary

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	0M	DC cable unshielded

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4.4 Channel List

Channel List for 802.11b/g/n(20)/ax(20)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	02	2417	03	2422
04	2427	05	2432	06	2437
07	2442	08	2447	09	2452
10	2457	11	2462		

Channel List for 802.11n (40)/ax(40)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
03	2422	04	2427	05	2432
06	2437	07	2442	08	2447
09	2452				

4.5 Test Mode

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	802.11b CH1/ CH6/ CH11
Mode 2	802.11g CH1/ CH6/ CH11
Mode 3	802.11n20/ax20 CH1/ CH6/ CH11
Mode 4	802.11n40/ax40 CH3/ CH6/ CH9
Mode 5	WIFI Link (Conducted emission & Radiated emission)

Note: This prototype does not support RU mode.

Note:

(1) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.

4.6 Table Of Parameters Of Test Software Setting

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters

Test software Version	CMD		
Frequency	2412 MHz	2437 MHz	2462 MHz
Parameters	DEF	DEF	DEF
Frequency	2422MHz	2437MHz	2452MHz
Parameters	DEF	DEF	DEF

5. Test Facility And Test Instrument Used

5.1 Test Facility

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Testing Co., Ltd. Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

FCC Test Firm Registration Number: 712850

A2LA certificate registration number is: CN1212

ISED Registered No.: 23583

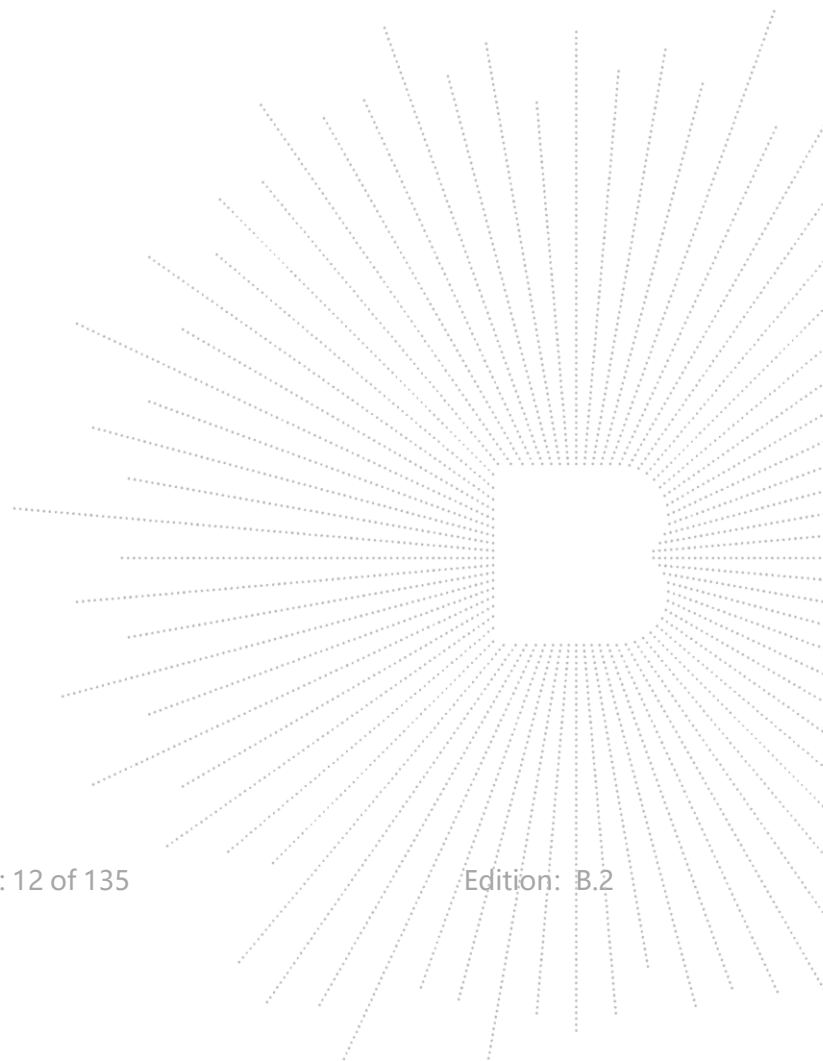
ISED CAB identifier: CN0017

5.2 Test Instrument Used

Conducted Emissions Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Receiver	R&S	ESR	102075	May 16, 2024	May 15, 2025
LISN	R&S	ENV216	101375	May 16, 2024	May 15, 2025
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\
Pulse limiter	Schwarzbeck	VTSD9561-F	01323	May 16, 2024	May 15, 2025

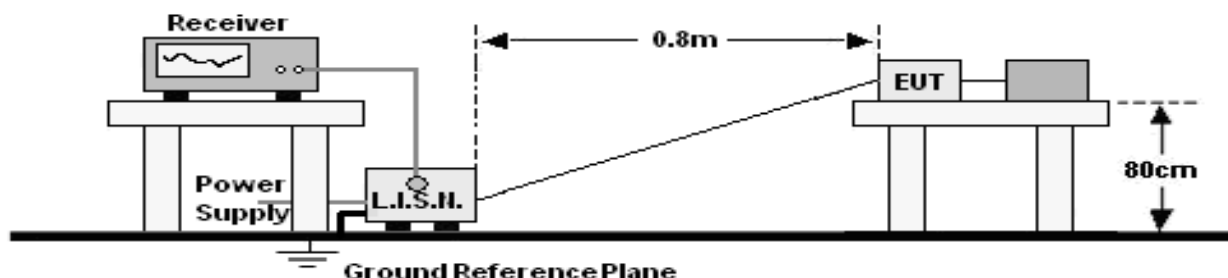
RF Conducted Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Power meter	Keysight	E4419	\	May 16, 2024	May 15, 2025
Power Sensor (AV)	Keysight	E9300A	\	May 16, 2024	May 15, 2025
Signal Analyzer20kHz-26.5GHz	Keysight	N9020A	MY49100060	May 16, 2024	May 15, 2025
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 16, 2024	May 15, 2025
Radio frequency control box	MAIWEI	MW100-RFC B	\	\	\
Software	MAIWEI	MTS 8310	\	\	\

Radiated Emissions Test (966 Chamber01)					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
966 chamber	ChengYu	966 Room	966	May 15, 2023	May 14, 2026
Receiver	R&S	ESR	102075	May 16, 2024	May 15, 2025
Receiver	R&S	ESRP	101154	May 16, 2024	May 15, 2025
Amplifier	Schwarzbeck	BBV9744	9744-0037	May 16, 2024	May 15, 2025
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	942	May 21, 2024	May 20, 2025
Loop Antenna(9KHz -30MHz)	Schwarzbeck	FMZB1519B	00014	May 21, 2024	May 20, 2025
Amplifier	SKET	LAPA_01G18 G-45dB	SK2021040901	May 16, 2024	May 15, 2025
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 21, 2024	May 20, 2025
Amplifier(18G Hz-40GHz)	MITEQ	TTA1840-35-HG	2034381	May 16, 2024	May 15, 2025
Horn Antenna(18G Hz-40GHz)	Schwarzbeck	BBHA9170	00822	May 21, 2024	May 20, 2025
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 16, 2024	May 15, 2025
Communication test set	R&S	CMW500	126173	Nov. 11. 2024	Nov. 10, 2025
Software	Frad	EZ-EMC	FA-03A2 RE	\	\



6. Conducted Emissions

6.1 Block Diagram Of Test Setup



6.2 Limit

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

Notes:

- *Decreasing linearly with logarithm of frequency.
- The lower limit shall apply at the transition frequencies.

6.3 Test Procedure

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

- The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
- The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak and AVG detector in Max Hold mode. Run the receiver's pre-scan to record the maximum disturbance generated from Product in all power lines in the full band.
- For each frequency whose maximum record was higher or close to limit, measure its QP and AVG values and record.

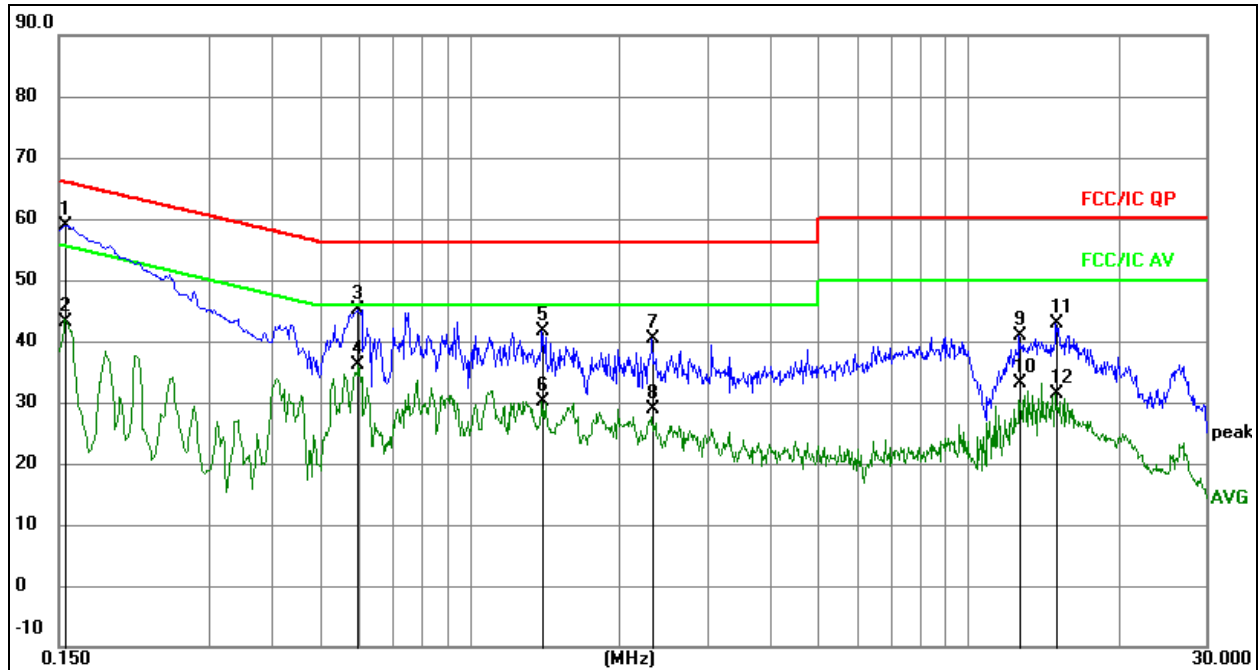
6.4 EUT Operating Conditions

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

6.5 Test Result

ANT 1

Temperature:	24.5 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	L
Test Mode:	Mode 4	Test Voltage :	DC 3.3V

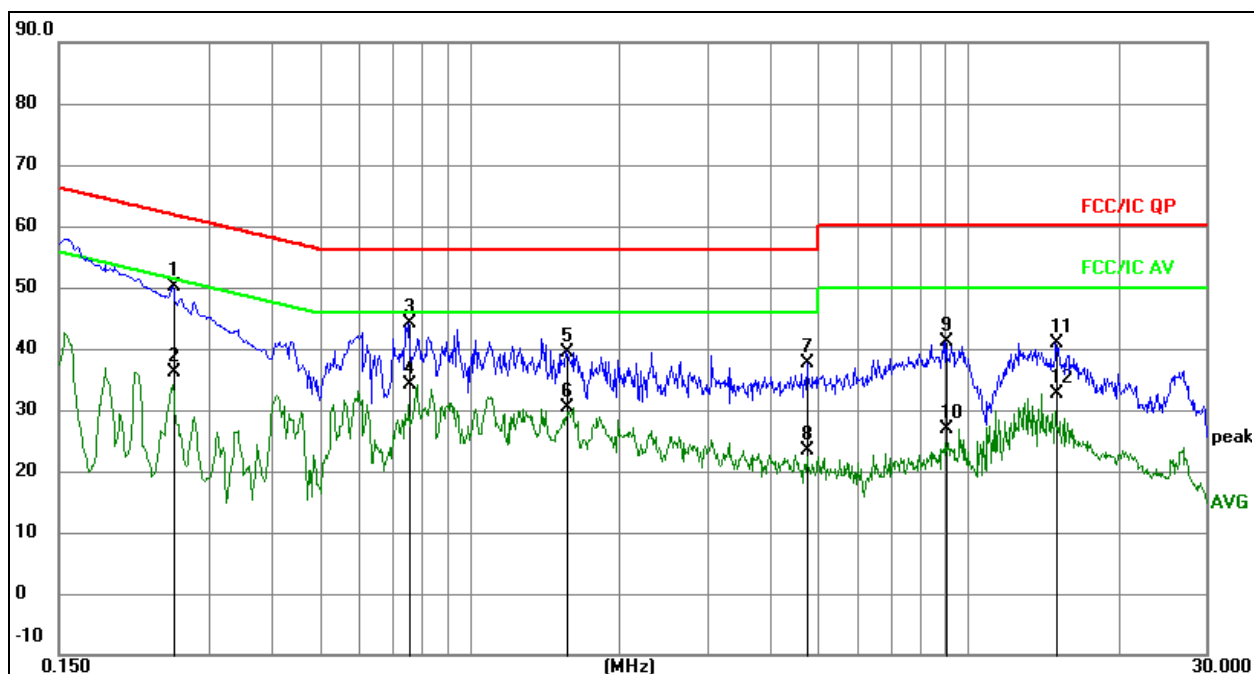


Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over=Measurement-Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz		dB	dBuV	dBuV	dB	
1	*	0.1545	38.91	20.07	58.98	65.75	-6.77	QP
2		0.1545	22.99	20.07	43.06	55.75	-12.69	AVG
3		0.5955	25.05	20.08	45.13	56.00	-10.87	QP
4		0.5955	15.93	20.08	36.01	46.00	-9.99	AVG
5		1.3965	21.59	20.09	41.68	56.00	-14.32	QP
6		1.3965	10.14	20.09	30.23	46.00	-15.77	AVG
7		2.3235	20.17	20.11	40.28	56.00	-15.72	QP
8		2.3235	8.89	20.11	29.00	46.00	-17.00	AVG
9		12.6735	20.53	20.24	40.77	60.00	-19.23	QP
10		12.6735	12.89	20.24	33.13	50.00	-16.87	AVG
11		15.0630	22.52	20.31	42.83	60.00	-17.17	QP
12		15.0630	11.17	20.31	31.48	50.00	-18.52	AVG

Temperature:	24.5 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	N
Test Mode:	Mode 4	Test Voltage :	DC 3.3V

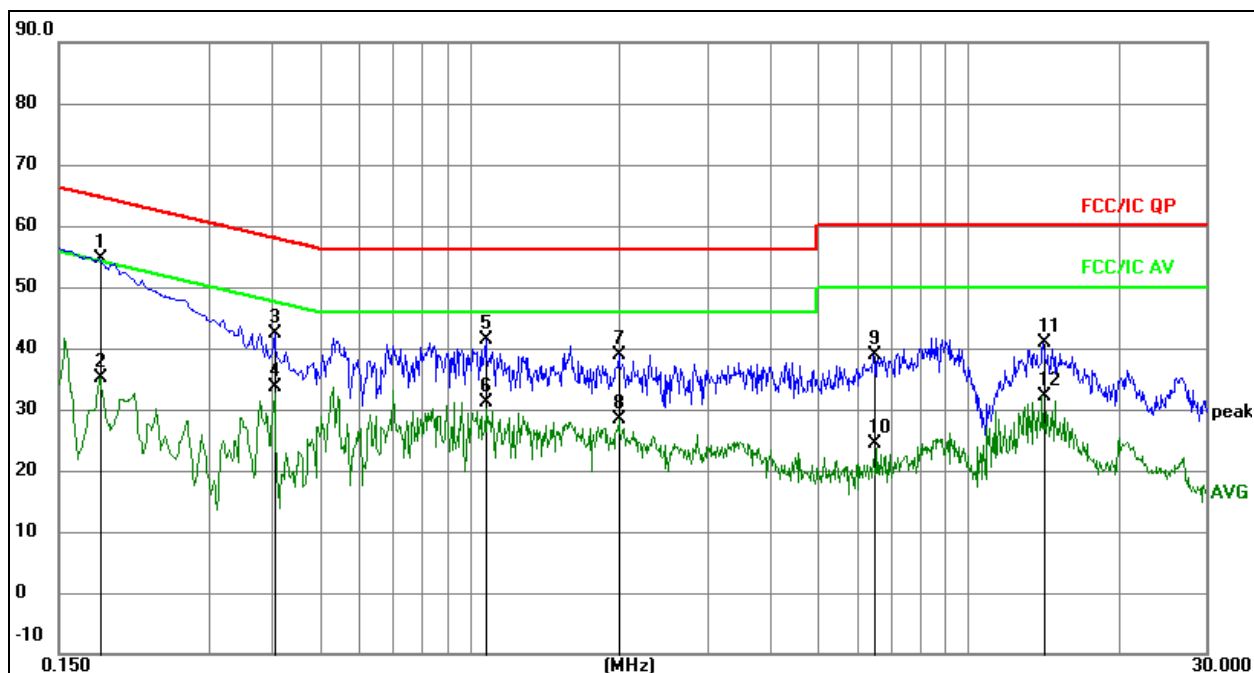

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over=Measurement-Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz		dB	dBuV	dBuV	dB	
1	*	0.2535	29.98	20.07	50.05	61.64	-11.59	QP
2		0.2535	16.10	20.07	36.17	51.64	-15.47	AVG
3		0.7575	24.00	20.09	44.09	56.00	-11.91	QP
4		0.7575	14.00	20.09	34.09	46.00	-11.91	AVG
5		1.5675	19.40	20.10	39.50	56.00	-16.50	QP
6		1.5675	10.18	20.10	30.28	46.00	-15.72	AVG
7		4.7670	17.37	20.15	37.52	56.00	-18.48	QP
8		4.7670	3.27	20.15	23.42	46.00	-22.58	AVG
9		9.0420	21.02	20.17	41.19	60.00	-18.81	QP
10		9.0420	6.66	20.17	26.83	50.00	-23.17	AVG
11		15.0630	20.52	20.31	40.83	60.00	-19.17	QP
12		15.0630	12.32	20.31	32.63	50.00	-17.37	AVG

ANT 2

Temperature:	24.5 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	L
Test Mode:	Mode 4	Test Voltage :	DC 3.3V

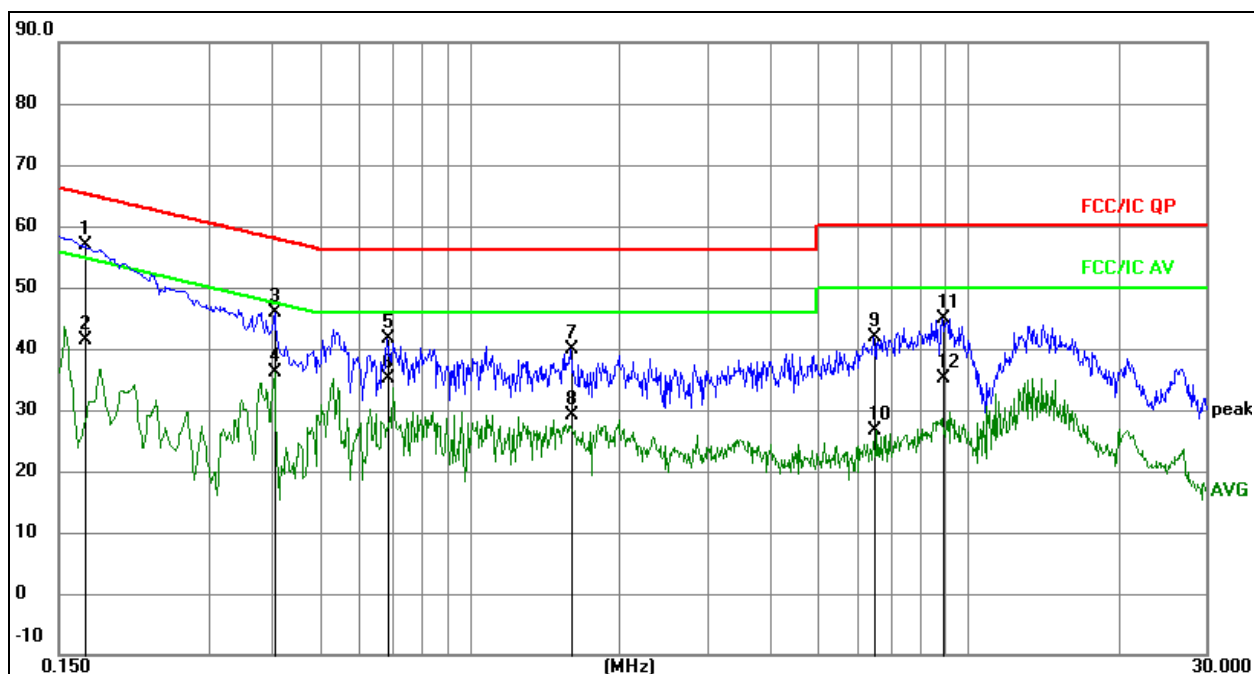


Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over=Measurement-Limit

No.	Mk.	Freq. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1815	34.44	20.07	54.51	64.42	-9.91	QP
2		0.1815	14.98	20.07	35.05	54.42	-19.37	AVG
3		0.4065	22.35	20.08	42.43	57.72	-15.29	QP
4		0.4065	13.58	20.08	33.66	47.72	-14.06	AVG
5		1.0770	21.28	20.09	41.37	56.00	-14.63	QP
6		1.0770	11.01	20.09	31.10	46.00	-14.90	AVG
7		1.9995	18.76	20.10	38.86	56.00	-17.14	QP
8		1.9995	8.37	20.10	28.47	46.00	-17.53	AVG
9		6.4635	18.62	20.16	38.78	60.00	-21.22	QP
10		6.4635	4.12	20.16	24.28	50.00	-25.72	AVG
11		14.2035	20.70	20.29	40.99	60.00	-19.01	QP
12		14.2035	11.87	20.29	32.16	50.00	-17.84	AVG

Temperature:	24.5 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	N
Test Mode:	Mode 4	Test Voltage :	DC 3.3V



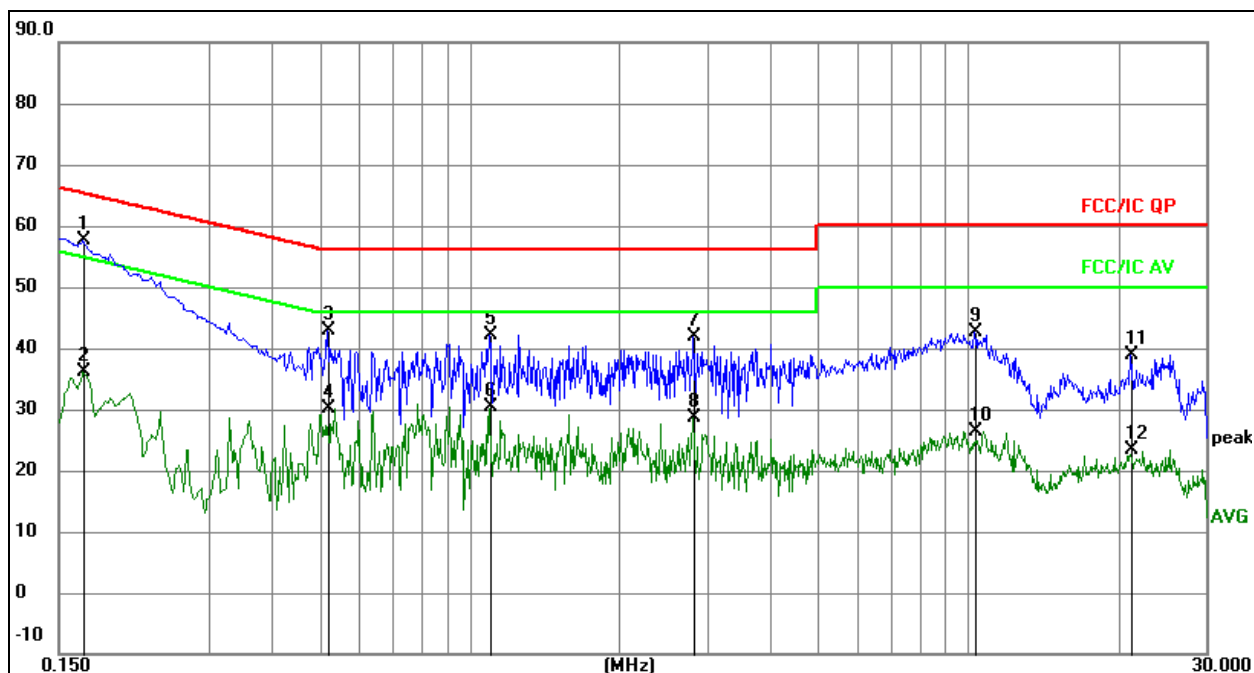
Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over=Measurement-Limit

No.	Mk.	Freq. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1694	36.69	20.07	56.76	64.99	-8.23	QP
2		0.1694	21.24	20.07	41.31	54.99	-13.68	AVG
3		0.4065	25.85	20.08	45.93	57.72	-11.79	QP
4		0.4065	15.93	20.08	36.01	47.72	-11.71	AVG
5		0.6855	21.45	20.09	41.54	56.00	-14.46	QP
6		0.6855	15.07	20.09	35.16	46.00	-10.84	AVG
7		1.5945	19.77	20.10	39.87	56.00	-16.13	QP
8		1.5945	8.99	20.10	29.09	46.00	-16.91	AVG
9		6.4635	21.62	20.16	41.78	60.00	-18.22	QP
10		6.4635	6.47	20.16	26.63	50.00	-23.37	AVG
11		8.9160	24.67	20.17	44.84	60.00	-15.16	QP
12		8.9160	14.99	20.17	35.16	50.00	-14.84	AVG

ANT 3

Temperature:	24.5 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	L
Test Mode:	Mode 4	Test Voltage :	DC 3.3V

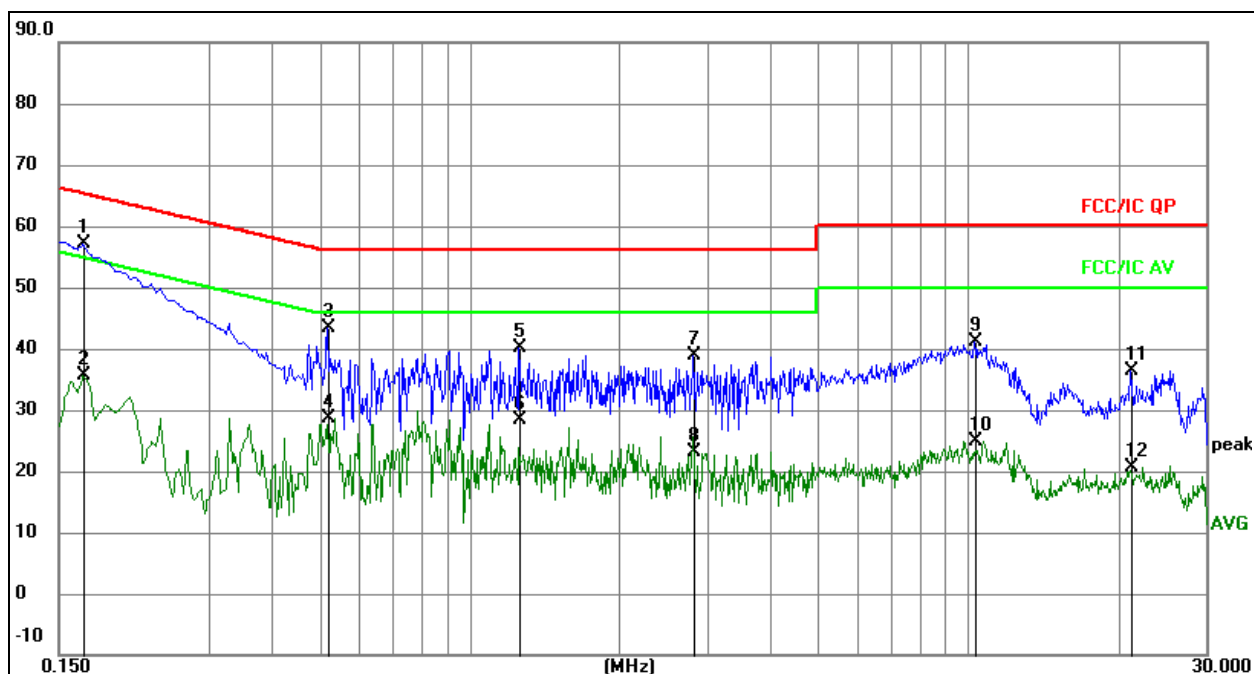


Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over=Measurement-Limit

No. Mk.	Freq. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1 *	0.1680	37.51	20.07	57.58	65.06	-7.48	QP
2	0.1680	15.96	20.07	36.03	55.06	-19.03	AVG
3	0.5190	22.71	20.08	42.79	56.00	-13.21	QP
4	0.5190	10.09	20.08	30.17	46.00	-15.83	AVG
5	1.0950	22.16	20.09	42.25	56.00	-13.75	QP
6	1.0950	10.24	20.09	30.33	46.00	-15.67	AVG
7	2.8095	21.71	20.12	41.83	56.00	-14.17	QP
8	2.8095	8.62	20.12	28.74	46.00	-17.26	AVG
9	10.3290	22.33	20.18	42.51	60.00	-17.49	QP
10	10.3290	6.26	20.18	26.44	50.00	-23.56	AVG
11	21.1875	18.59	20.32	38.91	60.00	-21.09	QP
12	21.1875	3.02	20.32	23.34	50.00	-26.66	AVG

Temperature:	24.5 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	N
Test Mode:	Mode 4	Test Voltage :	DC 3.3V



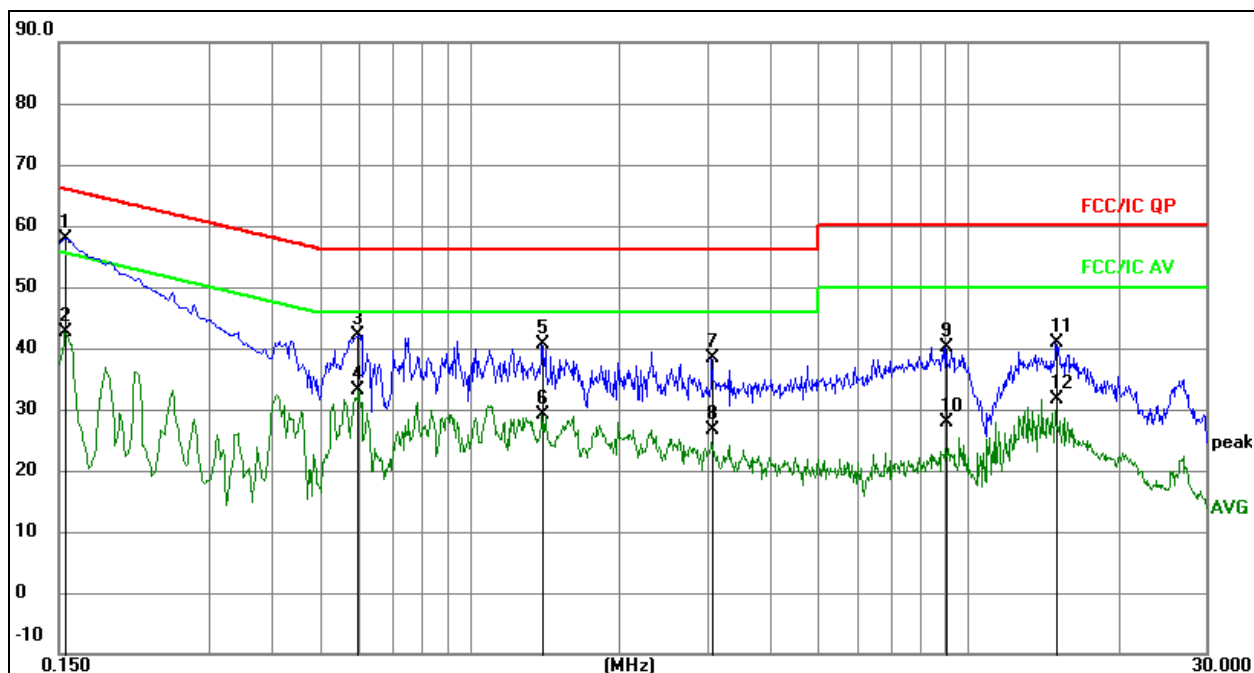
Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over=Measurement-Limit

No.	Mk.	Freq. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1680	37.01	20.07	57.08	65.06	-7.98	QP
2		0.1680	15.46	20.07	35.53	55.06	-19.53	AVG
3		0.5190	23.21	20.08	43.29	56.00	-12.71	QP
4		0.5190	8.59	20.08	28.67	46.00	-17.33	AVG
5		1.2570	19.92	20.09	40.01	56.00	-15.99	QP
6		1.2570	8.24	20.09	28.33	46.00	-17.67	AVG
7		2.8095	18.71	20.12	38.83	56.00	-17.17	QP
8		2.8095	3.08	20.12	23.20	46.00	-22.80	AVG
9		10.3290	20.83	20.18	41.01	60.00	-18.99	QP
10		10.3290	4.76	20.18	24.94	50.00	-25.06	AVG
11		21.1875	16.09	20.32	36.41	60.00	-23.59	QP
12		21.1875	0.20	20.32	20.52	50.00	-29.48	AVG

ANT 4

Temperature:	24.5 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	L
Test Mode:	Mode 4	Test Voltage :	DC 3.3V

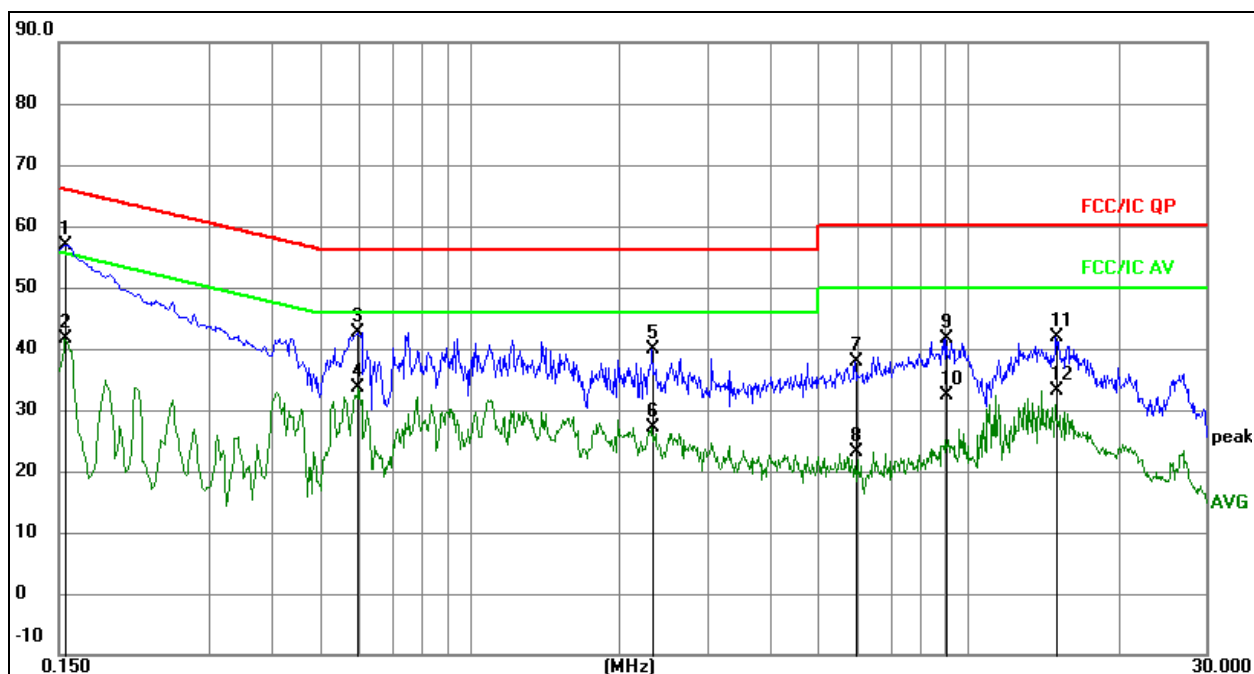


Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over=Measurement-Limit

No. Mk.	Freq. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1 *	0.1545	37.91	20.07	57.98	65.75	-7.77	QP
2	0.1545	22.51	20.07	42.58	55.75	-13.17	AVG
3	0.5955	22.05	20.08	42.13	56.00	-13.87	QP
4	0.5955	12.93	20.08	33.01	46.00	-12.99	AVG
5	1.3965	20.59	20.09	40.68	56.00	-15.32	QP
6	1.3965	9.14	20.09	29.23	46.00	-16.77	AVG
7	3.0615	18.32	20.12	38.44	56.00	-17.56	QP
8	3.0615	6.62	20.12	26.74	46.00	-19.26	AVG
9	9.0420	20.02	20.17	40.19	60.00	-19.81	QP
10	9.0420	7.82	20.17	27.99	50.00	-22.01	AVG
11	15.0630	20.52	20.31	40.83	60.00	-19.17	QP
12	15.0630	11.32	20.31	31.63	50.00	-18.37	AVG

Temperature:	24.5 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	N
Test Mode:	Mode 4	Test Voltage :	DC 3.3V



Remark:

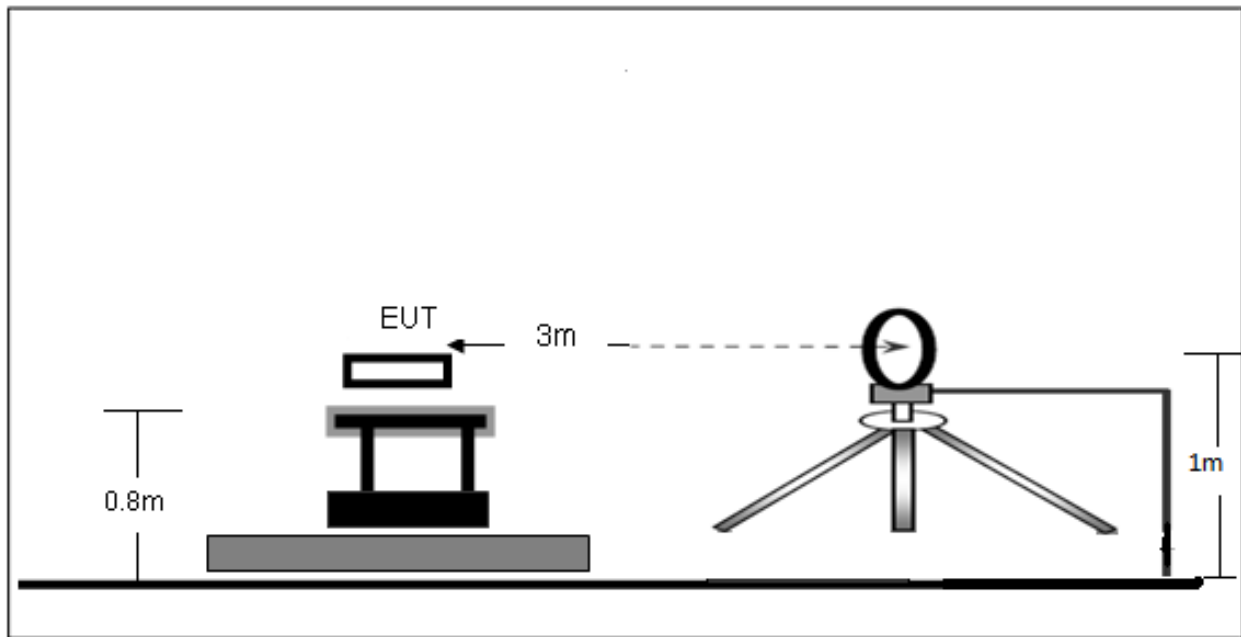
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over=Measurement-Limit

No.	Mk.	Freq. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1545	36.91	20.07	56.98	65.75	-8.77	QP
2		0.1545	21.51	20.07	41.58	55.75	-14.17	AVG
3		0.5955	22.55	20.08	42.63	56.00	-13.37	QP
4		0.5955	13.43	20.08	33.51	46.00	-12.49	AVG
5		2.3235	19.67	20.11	39.78	56.00	-16.22	QP
6		2.3235	7.13	20.11	27.24	46.00	-18.76	AVG
7		5.9460	17.63	20.15	37.78	60.00	-22.22	QP
8		5.9460	3.05	20.15	23.20	50.00	-26.80	AVG
9		9.0420	21.52	20.17	41.69	60.00	-18.31	QP
10		9.0420	12.32	20.17	32.49	50.00	-17.51	AVG
11		15.0630	21.52	20.31	41.83	60.00	-18.17	QP
12		15.0630	12.82	20.31	33.13	50.00	-16.87	AVG

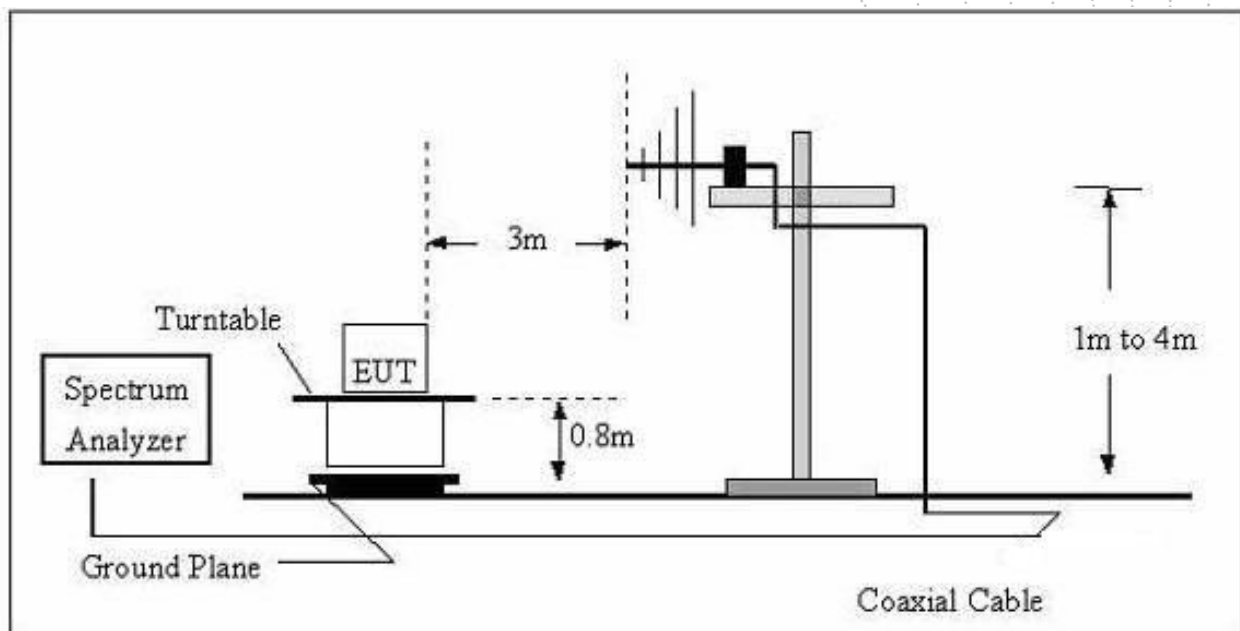
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

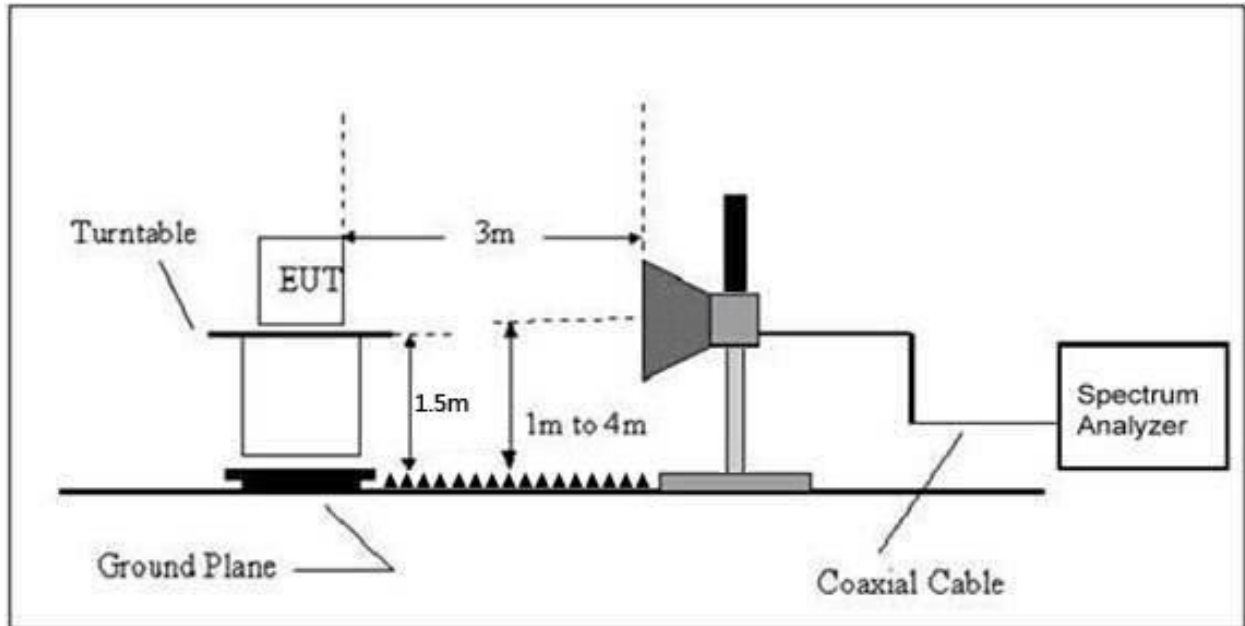
(A) Radiated Emission Test-Up Frequency Below 30MHz



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



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



7.2 Limit

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequency (MHz)	Field Strength uV/m	Distance (m)	Field Strength Limit at 3m Distance	
			uV/m	dBuV/m
0.009 ~ 0.490	$2400/F(\text{kHz})$	300	$10000 * 2400/F(\text{kHz})$	$20\log^{(2400/F(\text{kHz}))} + 80$
0.490 ~ 1.705	$24000/F(\text{kHz})$	30	$100 * 24000/F(\text{kHz})$	$20\log^{(24000/F(\text{kHz}))} + 40$
1.705 ~ 30	30	30	$100 * 30$	$20\log^{(30)} + 40$
30 ~ 88	100	3	100	$20\log^{(100)}$
88 ~ 216	150	3	150	$20\log^{(150)}$
216 ~ 960	200	3	200	$20\log^{(200)}$
Above 960	500	3	500	$20\log^{(500)}$

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).

FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

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

7.3 Test Procedure

Receiver Parameter	Setting
Attenuation	Auto
9kHz~150kHz	RBW 200Hz for QP
150kHz~30MHz	RBW 9kHz for QP
30MHz~1000MHz	RBW 120kHz for QP

Spectrum Parameter	Setting
1-25GHz	RBW 1 MHz /VBW 1 MHz for Peak, RBW 1 MHz / VBW 10Hz for Average

Below 1GHz test procedure as below:

- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 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.
- 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 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.

Above 1GHz test procedure as below:

- Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 metre to 1.5 metre(Above 18GHz the distance is 1 meter and table is 1.5 metre).
- Test the EUT in the lowest channel, the middle 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.

Above 1GHz test procedure as below:

- The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 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.
- 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.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 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.
- 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.

7.4 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 continuously transmit during test. This operating condition was tested and used to collect the included data.

7.5 Test Result

Below 30MHz

Temperature:	24.1°C	Relative Humidity:	67%
Pressure:	101KPa	Test Voltage:	DC 3.3V
Test Mode:	Mode 5	Polarization :	--

Freq. (MHz)	Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	State P/F
--	--	--	--	PASS
--	--	--	--	PASS

Note:

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

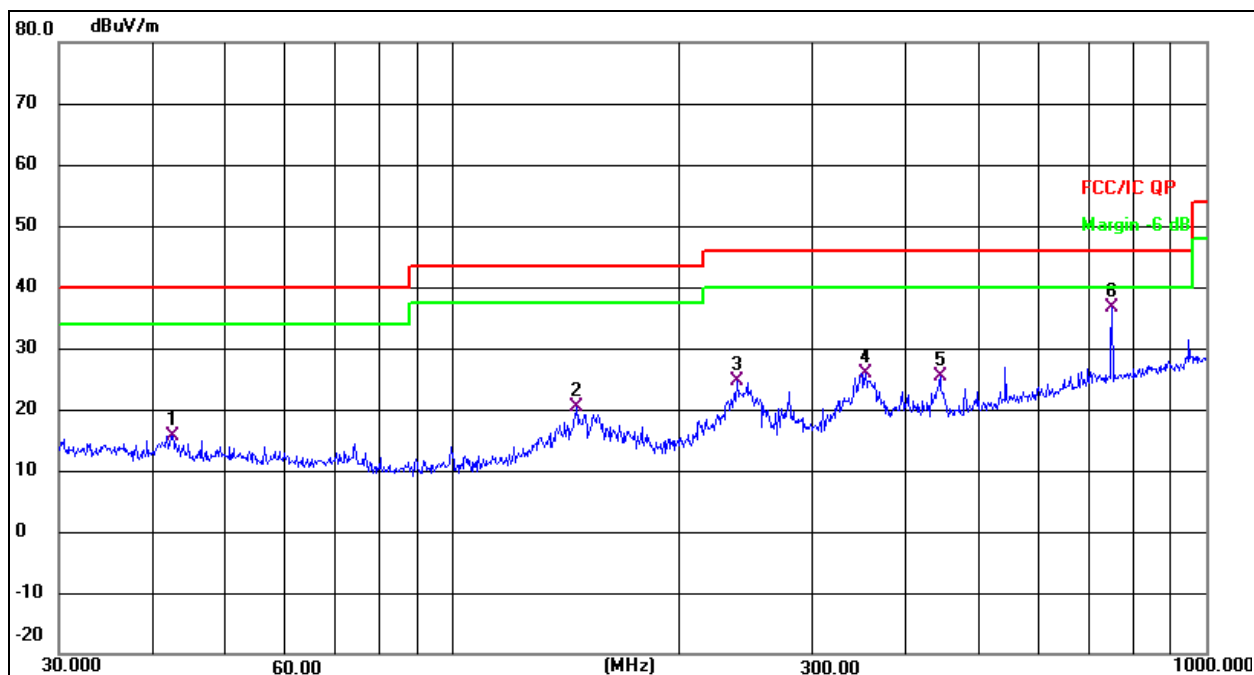
Distance extrapolation factor = $40 \log (\text{specific distance/test distance})(\text{dB})$;

Limit line = specific limits(dBuv) + distance extrapolation factor.

ANT 1

Between 30MHz – 1GHz

Temperature:	24.1°C	Relative Humidity:	67%
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 4	Test Voltage:	DC 3.3V

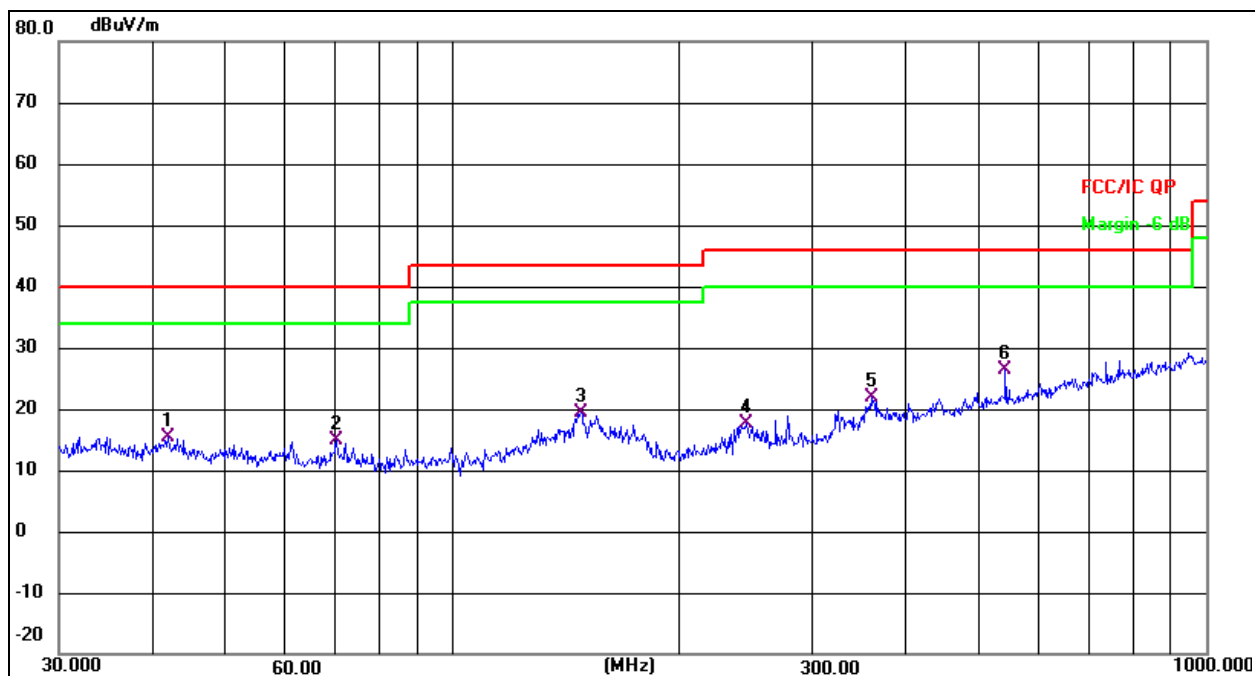


Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over=Measurement-Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	42.4508	28.75	-13.10	15.65	40.00	-24.35	QP
2	145.8611	31.52	-11.26	20.26	43.50	-23.24	QP
3	238.3102	37.72	-13.07	24.65	46.00	-21.35	QP
4	352.9433	34.99	-9.01	25.98	46.00	-20.02	QP
5	443.2943	31.82	-6.56	25.26	46.00	-20.74	QP
6 *	750.1083	36.46	0.05	36.51	46.00	-9.49	QP

Temperature:	24.1℃	Relative Humidity:	67%
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 4	Test Voltage:	DC 3.3V



Remark:

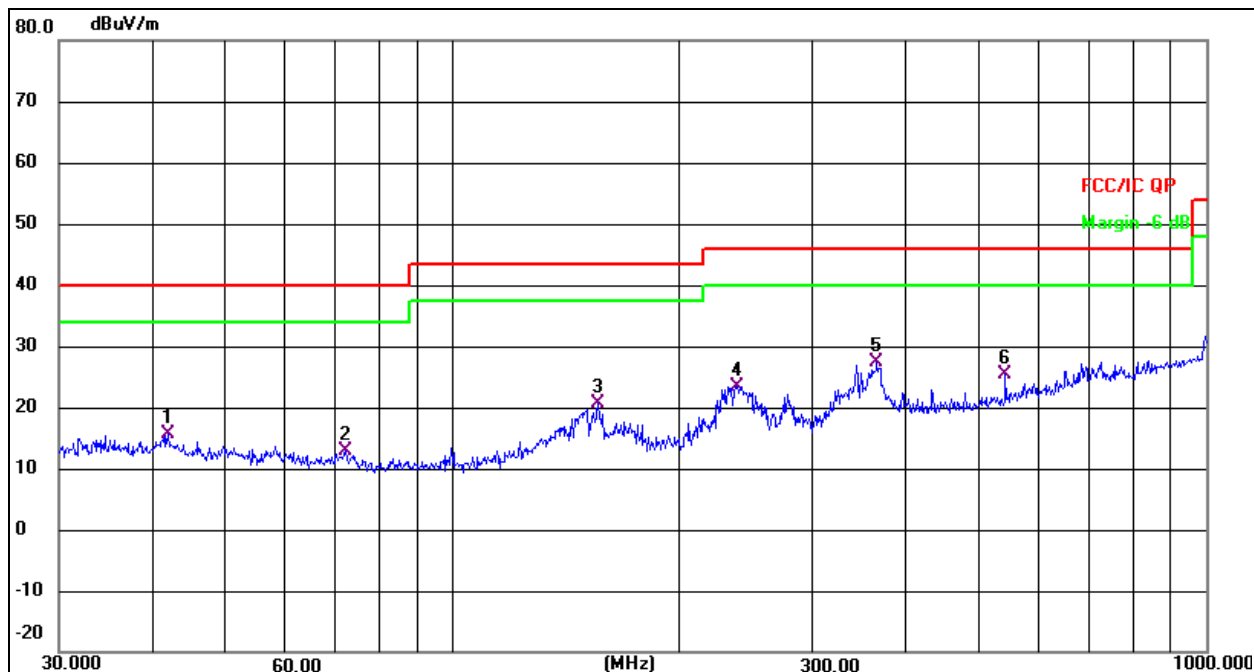
1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over=Measurement-Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	41.8596	28.32	-13.06	15.26	40.00	-24.74	QP
2	70.0903	29.98	-15.11	14.87	40.00	-25.13	QP
3	147.9214	30.56	-11.08	19.48	43.50	-24.02	QP
4	245.0900	30.31	-12.80	17.51	46.00	-28.49	QP
5	359.1860	30.73	-8.82	21.91	46.00	-24.09	QP
6 *	541.3725	30.43	-4.12	26.31	46.00	-19.69	QP

ANT 2

Between 30MHz – 1GHz

Temperature:	24.1℃	Relative Humidity:	67%
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 4	Test Voltage:	DC 3.3V

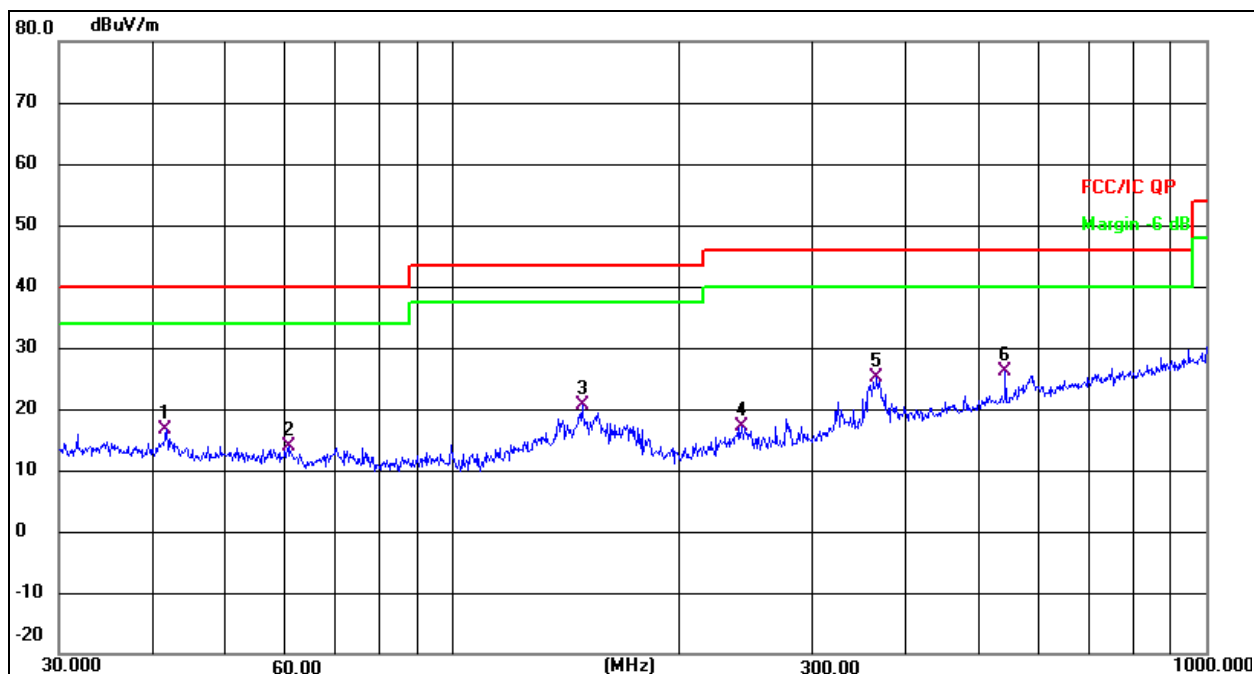


Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over=Measurement-Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	41.8596	28.70	-13.06	15.64	40.00	-24.36	QP
2	72.0843	28.27	-15.31	12.96	40.00	-27.04	QP
3	155.9101	32.09	-11.34	20.75	43.50	-22.75	QP
4	238.3102	36.45	-13.07	23.38	46.00	-22.62	QP
5 *	365.5391	35.99	-8.63	27.36	46.00	-18.64	QP
6	541.3725	29.42	-4.12	25.30	46.00	-20.70	QP

Temperature:	24.1℃	Relative Humidity:	67%
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 4	Test Voltage:	DC 3.3V



Remark:

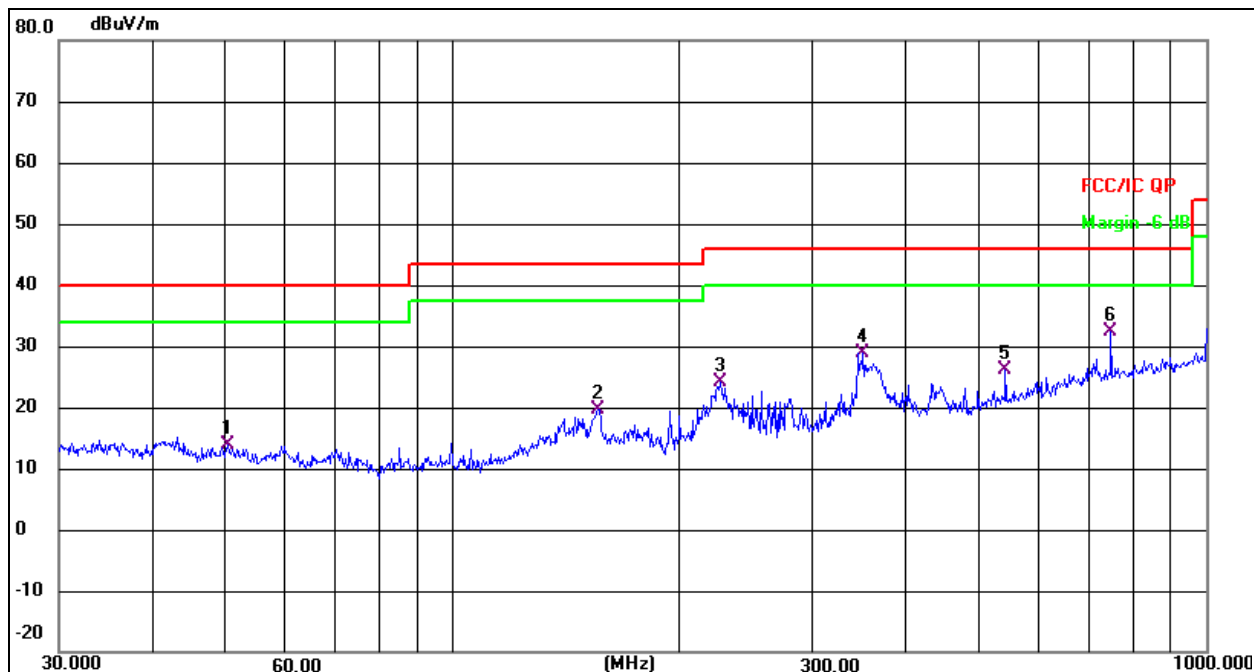
1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over=Measurement-Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	41.7129	29.66	-13.05	16.61	40.00	-23.39	QP
2	60.7044	28.37	-14.43	13.94	40.00	-26.06	QP
3	148.4410	31.76	-11.03	20.73	43.50	-22.77	QP
4	241.6763	30.08	-12.93	17.15	46.00	-28.85	QP
5	365.5391	33.71	-8.63	25.08	46.00	-20.92	QP
6 *	541.3725	30.34	-4.12	26.22	46.00	-19.78	QP

ANT 3

Between 30MHz – 1GHz

Temperature:	24.1℃	Relative Humidity:	67%
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 4	Test Voltage:	DC 3.3V

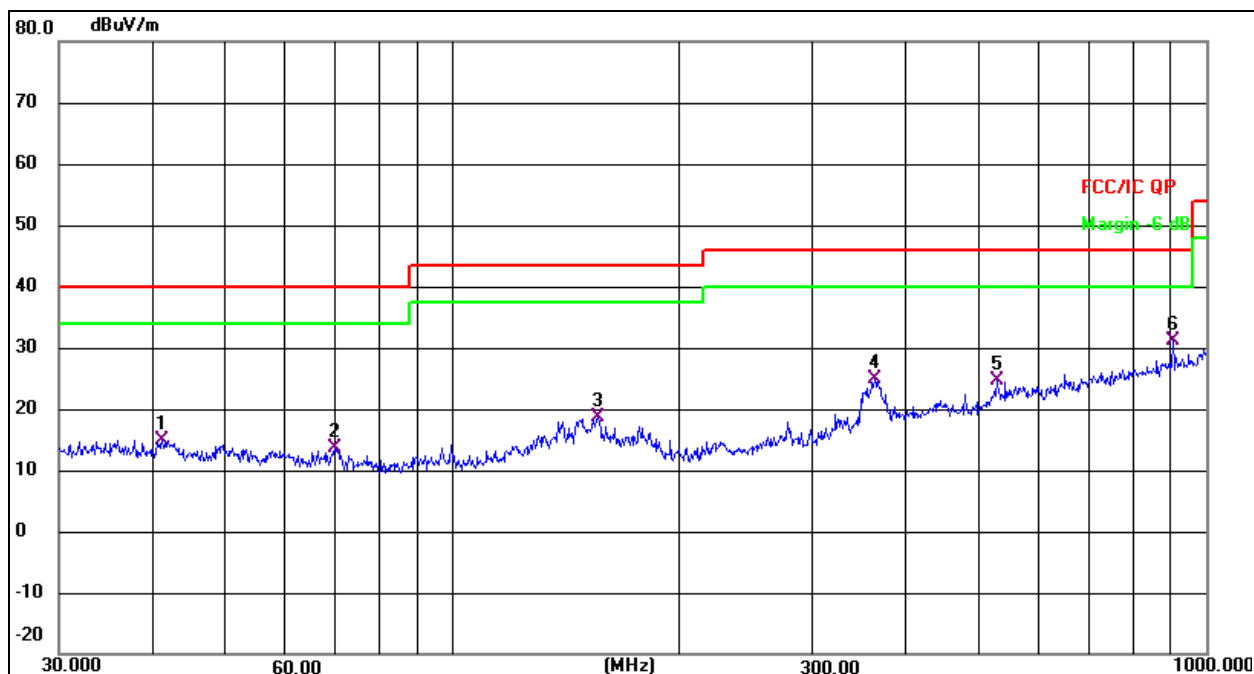


Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over=Measurement-Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	50.2324	27.64	-13.67	13.97	40.00	-26.03	QP
2	155.9101	30.88	-11.34	19.54	43.50	-23.96	QP
3	226.0994	37.65	-13.56	24.09	46.00	-21.91	QP
4	350.4768	37.97	-9.09	28.88	46.00	-17.12	QP
5	541.3725	30.20	-4.12	26.08	46.00	-19.92	QP
6 *	747.4825	32.35	0.03	32.38	46.00	-13.62	QP

Temperature:	24.1℃	Relative Humidity:	67%
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 4	Test Voltage:	DC 3.3V



Remark:

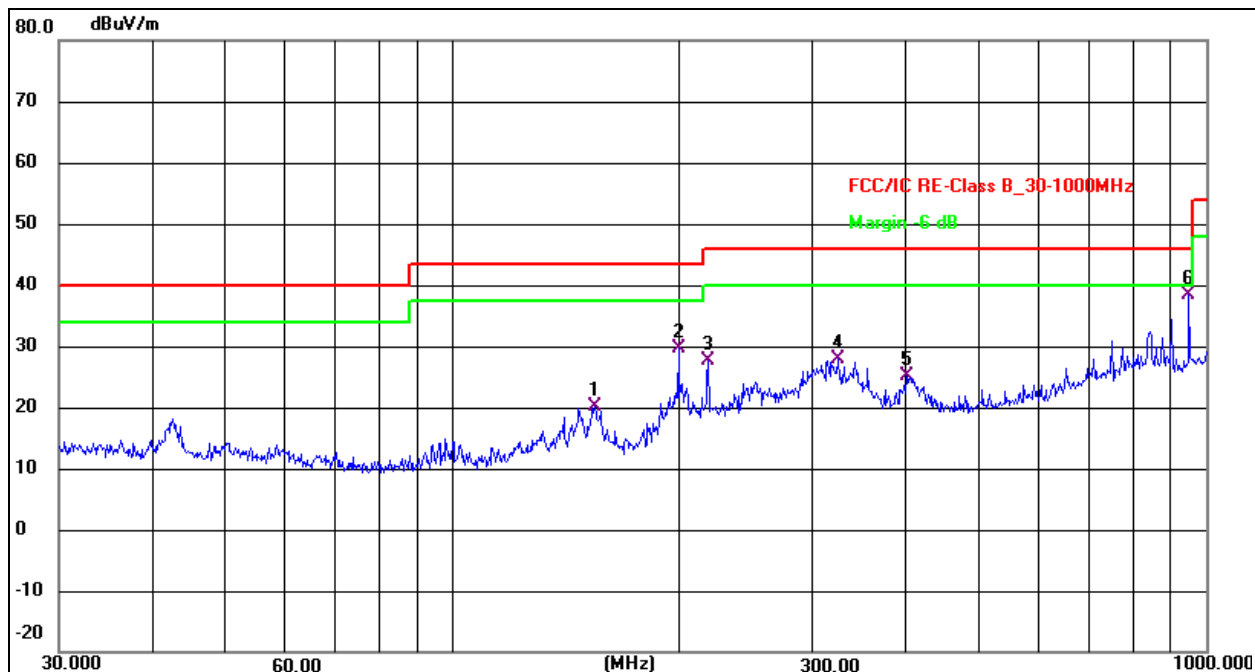
1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over=Measurement-Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	41.1320	28.01	-13.01	15.00	40.00	-25.00	QP
2	69.6005	28.58	-15.07	13.51	40.00	-26.49	QP
3	155.9101	29.91	-11.34	18.57	43.50	-24.93	QP
4	362.9844	33.55	-8.71	24.84	46.00	-21.16	QP
5	528.2458	29.05	-4.47	24.58	46.00	-21.42	QP
6 *	903.3094	29.10	1.96	31.06	46.00	-14.94	QP

ANT 4

Between 30MHz – 1GHz

Temperature:	24.1°C	Relative Humidity:	67%
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 4	Test Voltage:	DC 3.3V

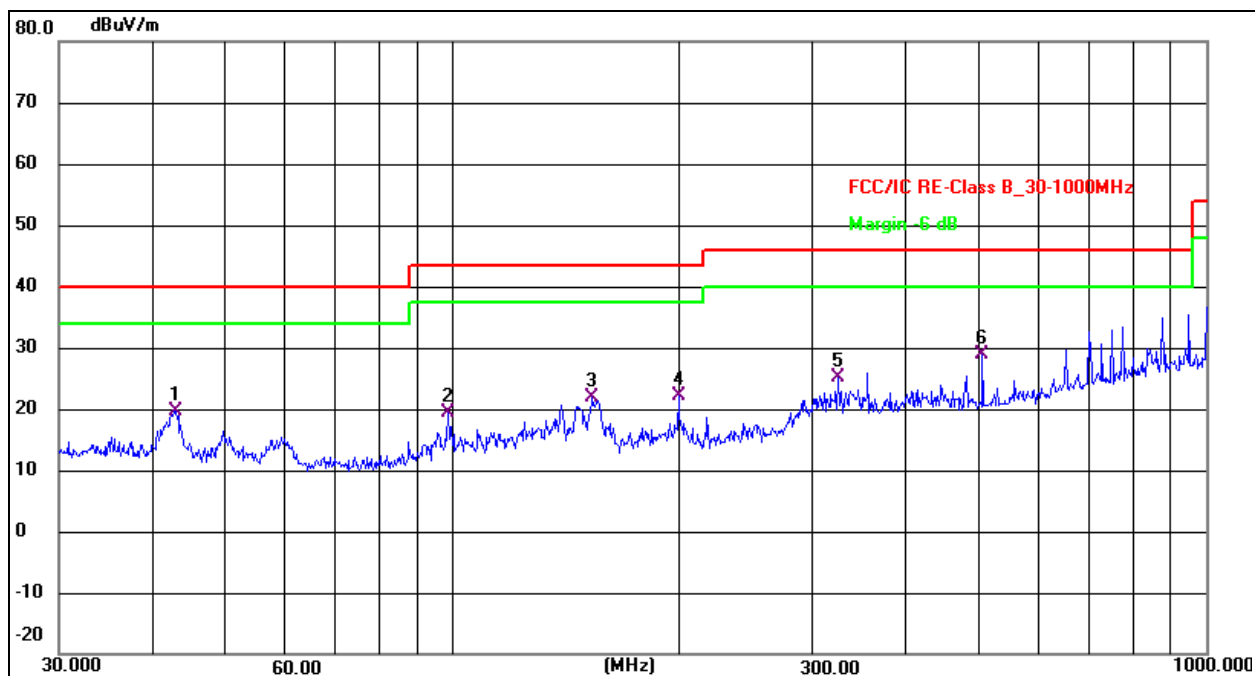


Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over=Measurement-Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	154.2786	31.44	-11.22	20.22	43.50	-23.28	QP
2	199.2855	44.07	-14.55	29.52	43.50	-13.98	QP
3	218.3085	41.60	-13.87	27.73	46.00	-18.27	QP
4	324.4561	37.77	-9.87	27.90	46.00	-18.10	QP
5	400.4319	32.80	-7.59	25.21	46.00	-20.79	QP
6 *	948.7610	35.60	2.78	38.38	46.00	-7.62	QP

Temperature:	24.1℃	Relative Humidity:	67%
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 4	Test Voltage:	DC 3.3V



Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over=Measurement-Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	42.8998	32.86	-13.14	19.72	40.00	-20.28	QP
2	98.4866	34.72	-15.29	19.43	43.50	-24.07	QP
3	153.2004	33.13	-11.14	21.99	43.50	-21.51	QP
4	199.2855	36.77	-14.55	22.22	43.50	-21.28	QP
5	324.4561	35.09	-9.87	25.22	46.00	-20.78	QP
6 *	504.7062	34.03	-5.08	28.95	46.00	-17.05	QP

Between 1GHz – 25GHz (ANT 1)
802.11b

Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low channel:2412MHz							
V	4824.00	66.20	-19.95	46.25	74.00	-27.75	PK
V	4824.00	59.30	-19.95	39.35	54.00	-14.65	AV
V	7236.00	69.84	-14.14	55.70	74.00	-18.30	PK
V	7236.00	55.94	-14.14	41.80	54.00	-12.20	AV
H	4824.00	65.06	-19.95	45.11	74.00	-28.89	PK
H	4824.00	56.57	-19.95	36.62	54.00	-17.38	AV
H	7236.00	68.59	-14.14	54.45	74.00	-19.55	PK
H	7236.00	56.81	-14.14	42.67	54.00	-11.33	AV
Middle channel:2437MHz							
V	4874.00	66.59	-19.85	46.74	74.00	-27.26	PK
V	4874.00	55.70	-19.85	35.85	54.00	-18.15	AV
V	7311.00	69.25	-13.93	55.32	74.00	-18.68	PK
V	7311.00	57.78	-13.93	43.85	54.00	-10.15	AV
H	4874.00	69.62	-19.85	49.77	74.00	-24.23	PK
H	4874.00	58.34	-19.85	38.49	54.00	-15.51	AV
H	7311.00	68.56	-13.93	54.63	74.00	-19.37	PK
H	7311.00	54.27	-13.93	40.34	54.00	-13.66	AV
High channel:2462MHz							
V	4924.00	64.28	-19.75	44.53	74.00	-29.47	PK
V	4924.00	54.73	-19.75	34.98	54.00	-19.02	AV
V	7386.00	68.84	-13.72	55.12	74.00	-18.88	PK
V	7386.00	54.36	-13.72	40.64	54.00	-13.36	AV
H	4924.00	66.00	-19.75	46.25	74.00	-27.75	PK
H	4924.00	57.51	-19.75	37.76	54.00	-16.24	AV
H	7386.00	69.84	-13.72	56.12	74.00	-17.88	PK
H	7386.00	59.70	-13.72	45.98	54.00	-8.02	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11g

Polar (H/V)	Frequency (MHz)	Reading Level (dBUV/m)	Correct Factor (dB)	Measurement (dBUV/m)	Limits (dBUV/m)	Over (dB)	Detector Type
Low channel:2412MHz							
V	4824.00	69.27	-19.95	49.32	74.00	-24.68	PK
V	4824.00	57.20	-19.95	37.25	54.00	-16.75	AV
V	7236.00	66.91	-14.14	52.77	74.00	-21.23	PK
V	7236.00	59.02	-14.14	44.88	54.00	-9.12	AV
H	4824.00	68.12	-19.95	48.17	74.00	-25.83	PK
H	4824.00	54.46	-19.95	34.51	54.00	-19.49	AV
H	7236.00	66.05	-14.14	51.91	74.00	-22.09	PK
H	7236.00	56.79	-14.14	42.65	54.00	-11.35	AV
Middle channel:2437MHz							
V	4874.00	66.17	-19.85	46.32	74.00	-27.68	PK
V	4874.00	58.77	-19.85	38.92	54.00	-15.08	AV
V	7311.00	64.28	-13.93	50.35	74.00	-23.65	PK
V	7311.00	56.32	-13.93	42.39	54.00	-11.61	AV
H	4874.00	66.23	-19.85	46.38	74.00	-27.62	PK
H	4874.00	59.58	-19.85	39.73	54.00	-14.27	AV
H	7311.00	66.86	-13.93	52.93	74.00	-21.07	PK
H	7311.00	55.83	-13.93	41.90	54.00	-12.10	AV
High channel:2462MHz							
V	4924.00	65.83	-19.75	46.08	74.00	-27.92	PK
V	4924.00	56.20	-19.75	36.45	54.00	-17.55	AV
V	7386.00	67.97	-13.72	54.25	74.00	-19.75	PK
V	7386.00	59.10	-13.72	45.38	54.00	-8.62	AV
H	4924.00	65.53	-19.75	45.78	74.00	-28.22	PK
H	4924.00	54.45	-19.75	34.70	54.00	-19.30	AV
H	7386.00	65.17	-13.72	51.45	74.00	-22.55	PK
H	7386.00	57.46	-13.72	43.74	54.00	-10.26	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11n20

Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low channel:2412MHz							
V	4824.00	68.82	-19.95	48.87	74.00	-25.13	PK
V	4824.00	57.39	-19.95	37.44	54.00	-16.56	AV
V	7236.00	65.21	-14.14	51.07	74.00	-22.93	PK
V	7236.00	59.10	-14.14	44.96	54.00	-9.04	AV
H	4824.00	69.55	-19.95	49.60	74.00	-24.40	PK
H	4824.00	56.32	-19.95	36.37	54.00	-17.63	AV
H	7236.00	64.89	-14.14	50.75	74.00	-23.25	PK
H	7236.00	59.12	-14.14	44.98	54.00	-9.02	AV
Middle channel:2437MHz							
V	4874.00	65.07	-19.85	45.22	74.00	-28.78	PK
V	4874.00	55.43	-19.85	35.58	54.00	-18.42	AV
V	7311.00	68.15	-13.93	54.22	74.00	-19.78	PK
V	7311.00	55.51	-13.93	41.58	54.00	-12.42	AV
H	4874.00	69.46	-19.85	49.61	74.00	-24.39	PK
H	4874.00	55.73	-19.85	35.88	54.00	-18.12	AV
H	7311.00	65.94	-13.93	52.01	74.00	-21.99	PK
H	7311.00	57.80	-13.93	43.87	54.00	-10.13	AV
High channel:2462MHz							
V	4924.00	69.92	-19.75	50.17	74.00	-23.83	PK
V	4924.00	55.74	-19.75	35.99	54.00	-18.01	AV
V	7386.00	67.32	-13.72	53.60	74.00	-20.40	PK
V	7386.00	54.46	-13.72	40.74	54.00	-13.26	AV
H	4924.00	67.58	-19.75	47.83	74.00	-26.17	PK
H	4924.00	59.55	-19.75	39.80	54.00	-14.20	AV
H	7386.00	66.91	-13.72	53.19	74.00	-20.81	PK
H	7386.00	57.88	-13.72	44.16	54.00	-9.84	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11n40

Polar (H/V)	Frequency (MHz)	Reading Level (dBUV/m)	Correct Factor (dB)	Measurement (dBUV/m)	Limits (dBUV/m)	Over (dB)	Detector Type
Low channel:2422MHz							
V	4844.00	69.30	-19.91	49.39	74.00	-24.61	PK
V	4844.00	54.01	-19.91	34.10	54.00	-19.90	AV
V	7266.00	68.14	-14.06	54.08	74.00	-19.92	PK
V	7266.00	56.76	-14.06	42.70	54.00	-11.30	AV
H	4844.00	64.17	-19.91	44.26	74.00	-29.74	PK
H	4844.00	56.15	-19.91	36.24	54.00	-17.76	AV
H	7266.00	68.42	-14.06	54.36	74.00	-19.64	PK
H	7266.00	59.22	-14.06	45.16	54.00	-8.84	AV
Middle channel:2437MHz							
V	4874.00	67.03	-19.85	47.18	74.00	-26.82	PK
V	4874.00	55.86	-19.85	36.01	54.00	-17.99	AV
V	7311.00	66.16	-13.93	52.23	74.00	-21.77	PK
V	7311.00	57.74	-13.93	43.81	54.00	-10.19	AV
H	4874.00	67.72	-19.85	47.87	74.00	-26.13	PK
H	4874.00	54.05	-19.85	34.20	54.00	-19.80	AV
H	7311.00	66.53	-13.93	52.60	74.00	-21.40	PK
H	7311.00	59.22	-13.93	45.29	54.00	-8.71	AV
High channel:2452MHz							
V	4904.00	67.08	-19.79	47.29	74.00	-26.71	PK
V	4904.00	56.87	-19.79	37.08	54.00	-16.92	AV
V	7356.00	68.46	-13.80	54.66	74.00	-19.34	PK
V	7356.00	58.42	-13.80	44.62	54.00	-9.38	AV
H	4904.00	68.97	-19.79	49.18	74.00	-24.82	PK
H	4904.00	56.53	-19.79	36.74	54.00	-17.26	AV
H	7356.00	65.43	-13.80	51.63	74.00	-22.37	PK
H	7356.00	59.33	-13.80	45.53	54.00	-8.47	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11ax20

Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low channel:2412MHz							
V	4824.00	66.77	-19.95	46.82	74.00	-27.18	PK
V	4824.00	57.74	-19.95	37.79	54.00	-16.21	AV
V	7236.00	67.07	-14.14	52.93	74.00	-21.07	PK
V	7236.00	56.04	-14.14	41.90	54.00	-12.10	AV
H	4824.00	67.49	-19.95	47.54	74.00	-26.46	PK
H	4824.00	57.51	-19.95	37.56	54.00	-16.44	AV
H	7236.00	69.23	-14.14	55.09	74.00	-18.91	PK
H	7236.00	58.08	-14.14	43.94	54.00	-10.06	AV
Middle channel:2437MHz							
V	4874.00	66.42	-19.85	46.57	74.00	-27.43	PK
V	4874.00	57.19	-19.85	37.34	54.00	-16.66	AV
V	7311.00	69.13	-13.93	55.20	74.00	-18.80	PK
V	7311.00	57.46	-13.93	43.53	54.00	-10.47	AV
H	4874.00	68.60	-19.85	48.75	74.00	-25.25	PK
H	4874.00	56.28	-19.85	36.43	54.00	-17.57	AV
H	7311.00	67.28	-13.93	53.35	74.00	-20.65	PK
H	7311.00	58.36	-13.93	44.43	54.00	-9.57	AV
High channel:2462MHz							
V	4924.00	66.20	-19.75	46.45	74.00	-27.55	PK
V	4924.00	56.69	-19.75	36.94	54.00	-17.06	AV
V	7386.00	66.40	-13.72	52.68	74.00	-21.32	PK
V	7386.00	55.06	-13.72	41.34	54.00	-12.66	AV
H	4924.00	65.66	-19.75	45.91	74.00	-28.09	PK
H	4924.00	57.01	-19.75	37.26	54.00	-16.74	AV
H	7386.00	67.95	-13.72	54.23	74.00	-19.77	PK
H	7386.00	54.06	-13.72	40.34	54.00	-13.66	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11ax40

Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low channel:2422MHz							
V	4844.00	67.90	-19.91	47.99	74.00	-26.01	PK
V	4844.00	54.55	-19.91	34.64	54.00	-19.36	AV
V	7266.00	68.74	-14.06	54.68	74.00	-19.32	PK
V	7266.00	57.46	-14.06	43.40	54.00	-10.60	AV
H	4844.00	69.20	-19.91	49.29	74.00	-24.71	PK
H	4844.00	56.89	-19.91	36.98	54.00	-17.02	AV
H	7266.00	69.74	-14.06	55.68	74.00	-18.32	PK
H	7266.00	56.91	-14.06	42.85	54.00	-11.15	AV
Middle channel:2437MHz							
V	4874.00	65.92	-19.85	46.07	74.00	-27.93	PK
V	4874.00	59.47	-19.85	39.62	54.00	-14.38	AV
V	7311.00	66.29	-13.93	52.36	74.00	-21.64	PK
V	7311.00	55.18	-13.93	41.25	54.00	-12.75	AV
H	4874.00	68.92	-19.85	49.07	74.00	-24.93	PK
H	4874.00	58.10	-19.85	38.25	54.00	-15.75	AV
H	7311.00	69.75	-13.93	55.82	74.00	-18.18	PK
H	7311.00	58.85	-13.93	44.92	54.00	-9.08	AV
High channel:2452MHz							
V	4904.00	66.05	-19.79	46.26	74.00	-27.74	PK
V	4904.00	56.01	-19.79	36.22	54.00	-17.78	AV
V	7356.00	66.48	-13.80	52.68	74.00	-21.32	PK
V	7356.00	58.69	-13.80	44.89	54.00	-9.11	AV
H	4904.00	66.87	-19.79	47.08	74.00	-26.92	PK
H	4904.00	56.16	-19.79	36.37	54.00	-17.63	AV
H	7356.00	64.98	-13.80	51.18	74.00	-22.82	PK
H	7356.00	59.44	-13.80	45.64	54.00	-8.36	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Between 1GHz – 25GHz (ANT 2)
802.11b

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2412MHz							
V	4824.00	68.34	-19.95	48.39	74.00	-25.61	PK
V	4824.00	58.03	-19.95	38.08	54.00	-15.92	AV
V	7236.00	57.93	-14.14	43.79	74.00	-30.21	PK
V	7236.00	48.29	-14.14	34.15	54.00	-19.85	AV
H	4824.00	66.84	-19.95	46.89	74.00	-27.11	PK
H	4824.00	56.39	-19.95	36.44	54.00	-17.56	AV
H	7236.00	55.62	-14.14	41.48	74.00	-32.52	PK
H	7236.00	47.52	-14.14	33.38	54.00	-20.62	AV
Middle channel:2437MHz							
V	4874.00	66.30	-19.85	46.45	74.00	-27.55	PK
V	4874.00	58.50	-19.85	38.65	54.00	-15.35	AV
V	7311.00	59.00	-13.93	45.07	74.00	-28.93	PK
V	7311.00	49.23	-13.93	35.30	54.00	-18.70	AV
H	4874.00	64.47	-19.85	44.62	74.00	-29.38	PK
H	4874.00	54.87	-19.85	35.02	54.00	-18.98	AV
H	7311.00	57.17	-13.93	43.24	74.00	-30.76	PK
H	7311.00	49.81	-13.93	35.88	54.00	-18.12	AV
High channel:2462MHz							
V	4924.00	68.75	-19.75	49.00	74.00	-25.00	PK
V	4924.00	60.38	-19.75	40.63	54.00	-13.37	AV
V	7386.00	61.57	-13.72	47.85	74.00	-26.15	PK
V	7386.00	50.67	-13.72	36.95	54.00	-17.05	AV
H	4924.00	66.70	-19.75	46.95	74.00	-27.05	PK
H	4924.00	55.72	-19.75	35.97	54.00	-18.03	AV
H	7386.00	60.53	-13.72	46.81	74.00	-27.19	PK
H	7386.00	52.44	-13.72	38.72	54.00	-15.28	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11g

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2412MHz							
V	4824.00	69.84	-19.95	49.89	74.00	-24.11	PK
V	4824.00	61.58	-19.95	41.63	54.00	-12.37	AV
V	7236.00	62.48	-14.14	48.34	74.00	-25.66	PK
V	7236.00	52.21	-14.14	38.07	54.00	-15.93	AV
H	4824.00	68.70	-19.95	48.75	74.00	-25.25	PK
H	4824.00	59.28	-19.95	39.33	54.00	-14.67	AV
H	7236.00	60.50	-14.14	46.36	74.00	-27.64	PK
H	7236.00	53.43	-14.14	39.29	54.00	-14.71	AV
Middle channel:2437MHz							
V	4874.00	68.54	-19.85	48.69	74.00	-25.31	PK
V	4874.00	60.98	-19.85	41.13	54.00	-12.87	AV
V	7311.00	57.94	-13.93	44.01	74.00	-29.99	PK
V	7311.00	49.81	-13.93	35.88	54.00	-18.12	AV
H	4874.00	67.53	-19.85	47.68	74.00	-26.32	PK
H	4874.00	56.89	-19.85	37.04	54.00	-16.96	AV
H	7311.00	56.43	-13.93	42.50	74.00	-31.50	PK
H	7311.00	49.23	-13.93	35.30	54.00	-18.70	AV
High channel:2462MHz							
V	4924.00	70.44	-19.75	50.69	74.00	-23.31	PK
V	4924.00	59.61	-19.75	39.86	54.00	-14.14	AV
V	7386.00	62.20	-13.72	48.48	74.00	-25.52	PK
V	7386.00	51.24	-13.72	37.52	54.00	-16.48	AV
H	4924.00	68.74	-19.75	48.99	74.00	-25.01	PK
H	4924.00	57.82	-19.75	38.07	54.00	-15.93	AV
H	7386.00	60.65	-13.72	46.93	74.00	-27.07	PK
H	7386.00	52.88	-13.72	39.16	54.00	-14.84	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11n20

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2412MHz							
V	4824.00	69.76	-19.95	49.81	74.00	-24.19	PK
V	4824.00	61.43	-19.95	41.48	54.00	-12.52	AV
V	7236.00	62.03	-14.14	47.89	74.00	-26.11	PK
V	7236.00	52.03	-14.14	37.89	54.00	-16.11	AV
H	4824.00	67.65	-19.95	47.70	74.00	-26.30	PK
H	4824.00	57.34	-19.95	37.39	54.00	-16.61	AV
H	7236.00	60.40	-14.14	46.26	74.00	-27.74	PK
H	7236.00	51.59	-14.14	37.45	54.00	-16.55	AV
Middle channel:2437MHz							
V	4874.00	66.37	-19.85	46.52	74.00	-27.48	PK
V	4874.00	60.23	-19.85	40.38	54.00	-13.62	AV
V	7311.00	58.97	-13.93	45.04	74.00	-28.96	PK
V	7311.00	50.46	-13.93	36.53	54.00	-17.47	AV
H	4874.00	64.40	-19.85	44.55	74.00	-29.45	PK
H	4874.00	54.32	-19.85	34.47	54.00	-19.53	AV
H	7311.00	56.31	-13.93	42.38	74.00	-31.62	PK
H	7311.00	48.36	-13.93	34.43	54.00	-19.57	AV
High channel:2462MHz							
V	4924.00	69.14	-19.75	49.39	74.00	-24.61	PK
V	4924.00	58.85	-19.75	39.10	54.00	-14.90	AV
V	7386.00	62.25	-13.72	48.53	74.00	-25.47	PK
V	7386.00	51.66	-13.72	37.94	54.00	-16.06	AV
H	4924.00	66.77	-19.75	47.02	74.00	-26.98	PK
H	4924.00	57.46	-19.75	37.71	54.00	-16.29	AV
H	7386.00	60.91	-13.72	47.19	74.00	-26.81	PK
H	7386.00	53.37	-13.72	39.65	54.00	-14.35	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11n40

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2422MHz							
V	4844.00	68.84	-19.91	48.93	74.00	-25.07	PK
V	4844.00	60.41	-19.91	40.50	54.00	-13.50	AV
V	7266.00	59.86	-14.06	45.80	74.00	-28.20	PK
V	7266.00	50.34	-14.06	36.28	54.00	-17.72	AV
H	4844.00	64.09	-19.91	44.18	74.00	-29.82	PK
H	4844.00	54.67	-19.91	34.76	54.00	-19.24	AV
H	7266.00	57.70	-14.06	43.64	74.00	-30.36	PK
H	7266.00	49.52	-14.06	35.46	54.00	-18.54	AV
Middle channel:2437MHz							
V	4874.00	65.56	-19.85	45.71	74.00	-28.29	PK
V	4874.00	58.66	-19.85	38.81	54.00	-15.19	AV
V	7311.00	55.20	-13.93	41.27	74.00	-32.73	PK
V	7311.00	46.39	-13.93	32.46	54.00	-21.54	AV
H	4874.00	62.74	-19.85	42.89	74.00	-31.11	PK
H	4874.00	51.93	-19.85	32.08	54.00	-21.92	AV
H	7311.00	52.89	-13.93	38.96	74.00	-35.04	PK
H	7311.00	45.71	-13.93	31.78	54.00	-22.22	AV
High channel:2452MHz							
V	4904.00	67.49	-19.79	47.70	74.00	-26.30	PK
V	4904.00	56.96	-19.79	37.17	54.00	-16.83	AV
V	7356.00	59.36	-13.80	45.56	74.00	-28.44	PK
V	7356.00	50.20	-13.80	36.40	54.00	-17.60	AV
H	4904.00	65.03	-19.79	45.24	74.00	-28.76	PK
H	4904.00	55.80	-19.79	36.01	54.00	-17.99	AV
H	7356.00	56.59	-13.80	42.79	74.00	-31.21	PK
H	7356.00	48.53	-13.80	34.73	54.00	-19.27	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11ax20

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2412MHz							
V	4824.00	69.54	-19.95	49.59	74.00	-24.41	PK
V	4824.00	59.58	-19.95	39.63	54.00	-14.37	AV
V	7236.00	61.34	-14.14	47.20	74.00	-26.80	PK
V	7236.00	51.94	-14.14	37.80	54.00	-16.20	AV
H	4824.00	66.25	-19.95	46.30	74.00	-27.70	PK
H	4824.00	56.82	-19.95	36.87	54.00	-17.13	AV
H	7236.00	58.92	-14.14	44.78	74.00	-29.22	PK
H	7236.00	50.68	-14.14	36.54	54.00	-17.46	AV
Middle channel:2437MHz							
V	4874.00	66.13	-19.85	46.28	74.00	-27.72	PK
V	4874.00	59.92	-19.85	40.07	54.00	-13.93	AV
V	7311.00	56.62	-13.93	42.69	74.00	-31.31	PK
V	7311.00	47.15	-13.93	33.22	54.00	-20.78	AV
H	4874.00	61.60	-19.85	41.75	74.00	-32.25	PK
H	4874.00	52.18	-19.85	32.33	54.00	-21.67	AV
H	7311.00	54.58	-13.93	40.65	74.00	-33.35	PK
H	7311.00	45.71	-13.93	31.78	54.00	-22.22	AV
High channel:2462MHz							
V	4924.00	68.28	-19.75	48.53	74.00	-25.47	PK
V	4924.00	59.63	-19.75	39.88	54.00	-14.12	AV
V	7386.00	59.95	-13.72	46.23	74.00	-27.77	PK
V	7386.00	50.79	-13.72	37.07	54.00	-16.93	AV
H	4924.00	65.92	-19.75	46.17	74.00	-27.83	PK
H	4924.00	55.64	-19.75	35.89	54.00	-18.11	AV
H	7386.00	57.37	-13.72	43.65	74.00	-30.35	PK
H	7386.00	48.82	-13.72	35.10	54.00	-18.90	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11ax40

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2422MHz							
V	4844.00	67.12	-19.91	47.21	74.00	-26.79	PK
V	4844.00	58.29	-19.91	38.38	54.00	-15.62	AV
V	7266.00	57.67	-14.06	43.61	74.00	-30.39	PK
V	7266.00	47.30	-14.06	33.24	54.00	-20.76	AV
H	4844.00	63.41	-19.91	43.50	74.00	-30.50	PK
H	4844.00	52.51	-19.91	32.60	54.00	-21.40	AV
H	7266.00	55.66	-14.06	41.60	74.00	-32.40	PK
H	7266.00	48.42	-14.06	34.36	54.00	-19.64	AV
Middle channel:2437MHz							
V	4874.00	66.06	-19.85	46.21	74.00	-27.79	PK
V	4874.00	60.00	-19.85	40.15	54.00	-13.85	AV
V	7311.00	57.69	-13.93	43.76	74.00	-30.24	PK
V	7311.00	48.70	-13.93	34.77	54.00	-19.23	AV
H	4874.00	62.84	-19.85	42.99	74.00	-31.01	PK
H	4874.00	52.09	-19.85	32.24	54.00	-21.76	AV
H	7311.00	54.85	-13.93	40.92	74.00	-33.08	PK
H	7311.00	46.38	-13.93	32.45	54.00	-21.55	AV
High channel:2452MHz							
V	4904.00	68.61	-19.79	48.82	74.00	-25.18	PK
V	4904.00	59.47	-19.79	39.68	54.00	-14.32	AV
V	7356.00	61.11	-13.80	47.31	74.00	-26.69	PK
V	7356.00	51.87	-13.80	38.07	54.00	-15.93	AV
H	4904.00	66.36	-19.79	46.57	74.00	-27.43	PK
H	4904.00	55.90	-19.79	36.11	54.00	-17.89	AV
H	7356.00	59.45	-13.80	45.65	74.00	-28.35	PK
H	7356.00	52.43	-13.80	38.63	54.00	-15.37	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Between 1GHz – 25GHz (ANT3)

802.11b

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2412MHz							
V	4824.00	69.93	-19.95	49.98	74.00	-24.02	PK
V	4824.00	59.08	-19.95	39.13	54.00	-14.87	AV
V	7236.00	62.45	-14.14	48.31	74.00	-25.69	PK
V	7236.00	52.95	-14.14	38.81	54.00	-15.19	AV
H	4824.00	66.36	-19.95	46.41	74.00	-27.59	PK
H	4824.00	56.99	-19.95	37.04	54.00	-16.96	AV
H	7236.00	60.89	-14.14	46.75	74.00	-27.25	PK
H	7236.00	51.96	-14.14	37.82	54.00	-16.18	AV
Middle channel:2437MHz							
V	4874.00	68.11	-19.85	48.26	74.00	-25.74	PK
V	4874.00	62.03	-19.85	42.18	54.00	-11.82	AV
V	7311.00	60.04	-13.93	46.11	74.00	-27.89	PK
V	7311.00	51.34	-13.93	37.41	54.00	-16.59	AV
H	4874.00	64.71	-19.85	44.86	74.00	-29.14	PK
H	4874.00	54.70	-19.85	34.85	54.00	-19.15	AV
H	7311.00	57.23	-13.93	43.30	74.00	-30.70	PK
H	7311.00	48.66	-13.93	34.73	54.00	-19.27	AV
High channel:2462MHz							
V	4924.00	70.36	-19.75	50.61	74.00	-23.39	PK
V	4924.00	62.14	-19.75	42.39	54.00	-11.61	AV
V	7386.00	62.42	-13.72	48.70	74.00	-25.30	PK
V	7386.00	52.53	-13.72	38.81	54.00	-15.19	AV
H	4924.00	68.15	-19.75	48.40	74.00	-25.60	PK
H	4924.00	57.55	-19.75	37.80	54.00	-16.20	AV
H	7386.00	60.87	-13.72	47.15	74.00	-26.85	PK
H	7386.00	53.55	-13.72	39.83	54.00	-14.17	AV

Remark:

1. Measurement = Reading Level + Correct Factor,

Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,

Over= Measurement – Limit

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

3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB

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

802.11g

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2412MHz							
V	4824.00	68.87	-19.95	48.92	74.00	-25.08	PK
V	4824.00	58.32	-19.95	38.37	54.00	-15.63	AV
V	7236.00	61.07	-14.14	46.93	74.00	-27.07	PK
V	7236.00	51.89	-14.14	37.75	54.00	-16.25	AV
H	4824.00	66.86	-19.95	46.91	74.00	-27.09	PK
H	4824.00	56.11	-19.95	36.16	54.00	-17.84	AV
H	7236.00	60.03	-14.14	45.89	74.00	-28.11	PK
H	7236.00	52.67	-14.14	38.53	54.00	-15.47	AV
Middle channel:2437MHz							
V	4874.00	65.34	-19.85	45.49	74.00	-28.51	PK
V	4874.00	58.91	-19.85	39.06	54.00	-14.94	AV
V	7311.00	57.76	-13.93	43.83	74.00	-30.17	PK
V	7311.00	49.53	-13.93	35.60	54.00	-18.40	AV
H	4874.00	62.05	-19.85	42.20	74.00	-31.80	PK
H	4874.00	51.29	-19.85	31.44	54.00	-22.56	AV
H	7311.00	56.45	-13.93	42.52	74.00	-31.48	PK
H	7311.00	48.67	-13.93	34.74	54.00	-19.26	AV
High channel:2462MHz							
V	4924.00	67.11	-19.75	47.36	74.00	-26.64	PK
V	4924.00	58.80	-19.75	39.05	54.00	-14.95	AV
V	7386.00	61.00	-13.72	47.28	74.00	-26.72	PK
V	7386.00	51.51	-13.72	37.79	54.00	-16.21	AV
H	4924.00	64.59	-19.75	44.84	74.00	-29.16	PK
H	4924.00	55.12	-19.75	35.37	54.00	-18.63	AV
H	7386.00	59.62	-13.72	45.90	74.00	-28.10	PK
H	7386.00	51.38	-13.72	37.66	54.00	-16.34	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11n20

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2412MHz							
V	4824.00	69.37	-19.95	49.42	74.00	-24.58	PK
V	4824.00	60.45	-19.95	40.50	54.00	-13.50	AV
V	7236.00	61.03	-14.14	46.89	74.00	-27.11	PK
V	7236.00	51.29	-14.14	37.15	54.00	-16.85	AV
H	4824.00	67.26	-19.95	47.31	74.00	-26.69	PK
H	4824.00	57.86	-19.95	37.91	54.00	-16.09	AV
H	7236.00	59.31	-14.14	45.17	74.00	-28.83	PK
H	7236.00	51.94	-14.14	37.80	54.00	-16.20	AV
Middle channel:2437MHz							
V	4874.00	67.10	-19.85	47.25	74.00	-26.75	PK
V	4874.00	60.08	-19.85	40.23	54.00	-13.77	AV
V	7311.00	58.58	-13.93	44.65	74.00	-29.35	PK
V	7311.00	50.13	-13.93	36.20	54.00	-17.80	AV
H	4874.00	64.95	-19.85	45.10	74.00	-28.90	PK
H	4874.00	55.06	-19.85	35.21	54.00	-18.79	AV
H	7311.00	57.37	-13.93	43.44	74.00	-30.56	PK
H	7311.00	49.70	-13.93	35.77	54.00	-18.23	AV
High channel:2462MHz							
V	4924.00	69.13	-19.75	49.38	74.00	-24.62	PK
V	4924.00	60.91	-19.75	41.16	54.00	-12.84	AV
V	7386.00	61.96	-13.72	48.24	74.00	-25.76	PK
V	7386.00	51.65	-13.72	37.93	54.00	-16.07	AV
H	4924.00	67.09	-19.75	47.34	74.00	-26.66	PK
H	4924.00	57.92	-19.75	38.17	54.00	-15.83	AV
H	7386.00	59.32	-13.72	45.60	74.00	-28.40	PK
H	7386.00	52.12	-13.72	38.40	54.00	-15.60	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11n40

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2422MHz							
V	4844.00	69.61	-19.91	49.70	74.00	-24.30	PK
V	4844.00	59.06	-19.91	39.15	54.00	-14.85	AV
V	7266.00	61.89	-14.06	47.83	74.00	-26.17	PK
V	7266.00	51.65	-14.06	37.59	54.00	-16.41	AV
H	4844.00	65.62	-19.91	45.71	74.00	-28.29	PK
H	4844.00	55.96	-19.91	36.05	54.00	-17.95	AV
H	7266.00	60.36	-14.06	46.30	74.00	-27.70	PK
H	7266.00	51.45	-14.06	37.39	54.00	-16.61	AV
Middle channel:2437MHz							
V	4874.00	66.22	-19.85	46.37	74.00	-27.63	PK
V	4874.00	57.92	-19.85	38.07	54.00	-15.93	AV
V	7311.00	57.98	-13.93	44.05	74.00	-29.95	PK
V	7311.00	48.31	-13.93	34.38	54.00	-19.62	AV
H	4874.00	63.19	-19.85	43.34	74.00	-30.66	PK
H	4874.00	52.57	-19.85	32.72	54.00	-21.28	AV
H	7311.00	56.13	-13.93	42.20	74.00	-31.80	PK
H	7311.00	48.47	-13.93	34.54	54.00	-19.46	AV
High channel:2452MHz							
V	4904.00	67.91	-19.79	48.12	74.00	-25.88	PK
V	4904.00	57.51	-19.79	37.72	54.00	-16.28	AV
V	7356.00	59.44	-13.80	45.64	74.00	-28.36	PK
V	7356.00	48.45	-13.80	34.65	54.00	-19.35	AV
H	4904.00	65.53	-19.79	45.74	74.00	-28.26	PK
H	4904.00	55.43	-19.79	35.64	54.00	-18.36	AV
H	7356.00	57.61	-13.80	43.81	74.00	-30.19	PK
H	7356.00	49.54	-13.80	35.74	54.00	-18.26	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11ax20

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2412MHz							
V	4824.00	67.83	-19.95	47.88	74.00	-26.12	PK
V	4824.00	56.92	-19.95	36.97	54.00	-17.03	AV
V	7236.00	58.88	-14.14	44.74	74.00	-29.26	PK
V	7236.00	47.93	-14.14	33.79	54.00	-20.21	AV
H	4824.00	63.66	-19.95	43.71	74.00	-30.29	PK
H	4824.00	53.61	-19.95	33.66	54.00	-20.34	AV
H	7236.00	56.15	-14.14	42.01	74.00	-31.99	PK
H	7236.00	48.09	-14.14	33.95	54.00	-20.05	AV
Middle channel:2437MHz							
V	4874.00	65.04	-19.85	45.19	74.00	-28.81	PK
V	4874.00	56.49	-19.85	36.64	54.00	-17.36	AV
V	7311.00	56.95	-13.93	43.02	74.00	-30.98	PK
V	7311.00	47.69	-13.93	33.76	54.00	-20.24	AV
H	4874.00	63.33	-19.85	43.48	74.00	-30.52	PK
H	4874.00	54.03	-19.85	34.18	54.00	-19.82	AV
H	7311.00	54.48	-13.93	40.55	74.00	-33.45	PK
H	7311.00	47.20	-13.93	33.27	54.00	-20.73	AV
High channel:2462MHz							
V	4924.00	67.76	-19.75	48.01	74.00	-25.99	PK
V	4924.00	59.69	-19.75	39.94	54.00	-14.06	AV
V	7386.00	59.95	-13.72	46.23	74.00	-27.77	PK
V	7386.00	50.94	-13.72	37.22	54.00	-16.78	AV
H	4924.00	66.71	-19.75	46.96	74.00	-27.04	PK
H	4924.00	56.14	-19.75	36.39	54.00	-17.61	AV
H	7386.00	58.86	-13.72	45.14	74.00	-28.86	PK
H	7386.00	51.07	-13.72	37.35	54.00	-16.65	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11ax40

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2422MHz							
V	4844.00	69.91	-19.91	50.00	74.00	-24.00	PK
V	4844.00	60.68	-19.91	40.77	54.00	-13.23	AV
V	7266.00	62.01	-14.06	47.95	74.00	-26.05	PK
V	7266.00	52.46	-14.06	38.40	54.00	-15.60	AV
H	4844.00	67.59	-19.91	47.68	74.00	-26.32	PK
H	4844.00	57.03	-19.91	37.12	54.00	-16.88	AV
H	7266.00	59.36	-14.06	45.30	74.00	-28.70	PK
H	7266.00	50.54	-14.06	36.48	54.00	-17.52	AV
Middle channel:2437MHz							
V	4874.00	68.27	-19.85	48.42	74.00	-25.58	PK
V	4874.00	60.37	-19.85	40.52	54.00	-13.48	AV
V	7311.00	60.71	-13.93	46.78	74.00	-27.22	PK
V	7311.00	51.26	-13.93	37.33	54.00	-16.67	AV
H	4874.00	65.92	-19.85	46.07	74.00	-27.93	PK
H	4874.00	56.45	-19.85	36.60	54.00	-17.40	AV
H	7311.00	59.49	-13.93	45.56	74.00	-28.44	PK
H	7311.00	51.43	-13.93	37.50	54.00	-16.50	AV
High channel:2452MHz							
V	4904.00	71.22	-19.79	51.43	74.00	-22.57	PK
V	4904.00	62.46	-19.79	42.67	54.00	-11.33	AV
V	7356.00	64.12	-13.80	50.32	74.00	-23.68	PK
V	7356.00	54.67	-13.80	40.87	54.00	-13.13	AV
H	4904.00	69.30	-19.79	49.51	74.00	-24.49	PK
H	4904.00	60.08	-19.79	40.29	54.00	-13.71	AV
H	7356.00	62.48	-13.80	48.68	74.00	-25.32	PK
H	7356.00	54.13	-13.80	40.33	54.00	-13.67	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Between 1GHz – 25GHz (ANT 4)

802.11b

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2412MHz							
V	4824.00	67.08	-19.95	47.13	74.00	-26.87	PK
V	4824.00	58.22	-19.95	38.27	54.00	-15.73	AV
V	7236.00	58.26	-14.14	44.12	74.00	-29.88	PK
V	7236.00	47.70	-14.14	33.56	54.00	-20.44	AV
H	4824.00	62.56	-19.95	42.61	74.00	-31.39	PK
H	4824.00	53.43	-19.95	33.48	54.00	-20.52	AV
H	7236.00	55.36	-14.14	41.22	74.00	-32.78	PK
H	7236.00	48.34	-14.14	34.20	54.00	-19.80	AV
Middle channel:2437MHz							
V	4874.00	63.31	-19.85	43.46	74.00	-30.54	PK
V	4874.00	56.44	-19.85	36.59	54.00	-17.41	AV
V	7311.00	55.77	-13.93	41.84	74.00	-32.16	PK
V	7311.00	47.63	-13.93	33.70	54.00	-20.30	AV
H	4874.00	60.94	-19.85	41.09	74.00	-32.91	PK
H	4874.00	51.93	-19.85	32.08	54.00	-21.92	AV
H	7311.00	53.41	-13.93	39.48	74.00	-34.52	PK
H	7311.00	45.53	-13.93	31.60	54.00	-22.40	AV
High channel:2462MHz							
V	4924.00	65.78	-19.75	46.03	74.00	-27.97	PK
V	4924.00	56.27	-19.75	36.52	54.00	-17.48	AV
V	7386.00	59.00	-13.72	45.28	74.00	-28.72	PK
V	7386.00	48.69	-13.72	34.97	54.00	-19.03	AV
H	4924.00	63.37	-19.75	43.62	74.00	-30.38	PK
H	4924.00	54.05	-19.75	34.30	54.00	-19.70	AV
H	7386.00	56.73	-13.72	43.01	74.00	-30.99	PK
H	7386.00	49.71	-13.72	35.99	54.00	-18.01	AV

Remark:

1. Measurement = Reading Level + Correct Factor,

Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,

Over= Measurement – Limit

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

3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB

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

802.11g

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2412MHz							
V	4824.00	69.72	-19.95	49.77	74.00	-24.23	PK
V	4824.00	59.34	-19.95	39.39	54.00	-14.61	AV
V	7236.00	61.77	-14.14	47.63	74.00	-26.37	PK
V	7236.00	50.94	-14.14	36.80	54.00	-17.20	AV
H	4824.00	65.38	-19.95	45.43	74.00	-28.57	PK
H	4824.00	54.49	-19.95	34.54	54.00	-19.46	AV
H	7236.00	59.22	-14.14	45.08	74.00	-28.92	PK
H	7236.00	50.84	-14.14	36.70	54.00	-17.30	AV
Middle channel:2437MHz							
V	4874.00	67.38	-19.85	47.53	74.00	-26.47	PK
V	4874.00	59.70	-19.85	39.85	54.00	-14.15	AV
V	7311.00	58.64	-13.93	44.71	74.00	-29.29	PK
V	7311.00	50.41	-13.93	36.48	54.00	-17.52	AV
H	4874.00	64.47	-19.85	44.62	74.00	-29.38	PK
H	4874.00	54.01	-19.85	34.16	54.00	-19.84	AV
H	7311.00	56.53	-13.93	42.60	74.00	-31.40	PK
H	7311.00	47.77	-13.93	33.84	54.00	-20.16	AV
High channel:2462MHz							
V	4924.00	68.80	-19.75	49.05	74.00	-24.95	PK
V	4924.00	60.17	-19.75	40.42	54.00	-13.58	AV
V	7386.00	60.66	-13.72	46.94	74.00	-27.06	PK
V	7386.00	50.92	-13.72	37.20	54.00	-16.80	AV
H	4924.00	66.63	-19.75	46.88	74.00	-27.12	PK
H	4924.00	57.28	-19.75	37.53	54.00	-16.47	AV
H	7386.00	58.53	-13.72	44.81	74.00	-29.19	PK
H	7386.00	50.92	-13.72	37.20	54.00	-16.80	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11n20

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2412MHz							
V	4824.00	69.30	-19.95	49.35	74.00	-24.65	PK
V	4824.00	59.96	-19.95	40.01	54.00	-13.99	AV
V	7236.00	59.27	-14.14	45.13	74.00	-28.87	PK
V	7236.00	48.70	-14.14	34.56	54.00	-19.44	AV
H	4824.00	64.87	-19.95	44.92	74.00	-29.08	PK
H	4824.00	54.61	-19.95	34.66	54.00	-19.34	AV
H	7236.00	57.83	-14.14	43.69	74.00	-30.31	PK
H	7236.00	50.01	-14.14	35.87	54.00	-18.13	AV
Middle channel:2437MHz							
V	4874.00	67.40	-19.85	47.55	74.00	-26.45	PK
V	4874.00	60.90	-19.85	41.05	54.00	-12.95	AV
V	7311.00	56.40	-13.93	42.47	74.00	-31.53	PK
V	7311.00	47.71	-13.93	33.78	54.00	-20.22	AV
H	4874.00	62.62	-19.85	42.77	74.00	-31.23	PK
H	4874.00	52.81	-19.85	32.96	54.00	-21.04	AV
H	7311.00	53.51	-13.93	39.58	74.00	-34.42	PK
H	7311.00	45.95	-13.93	32.02	54.00	-21.98	AV
High channel:2462MHz							
V	4924.00	69.76	-19.75	50.01	74.00	-23.99	PK
V	4924.00	60.67	-19.75	40.92	54.00	-13.08	AV
V	7386.00	61.53	-13.72	47.81	74.00	-26.19	PK
V	7386.00	50.91	-13.72	37.19	54.00	-16.81	AV
H	4924.00	67.95	-19.75	48.20	74.00	-25.80	PK
H	4924.00	57.82	-19.75	38.07	54.00	-15.93	AV
H	7386.00	59.42	-13.72	45.70	74.00	-28.30	PK
H	7386.00	51.87	-13.72	38.15	54.00	-15.85	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11n40

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2422MHz							
V	4844.00	67.82	-19.91	47.91	74.00	-26.09	PK
V	4844.00	57.37	-19.91	37.46	54.00	-16.54	AV
V	7266.00	59.27	-14.06	45.21	74.00	-28.79	PK
V	7266.00	49.06	-14.06	35.00	54.00	-19.00	AV
H	4844.00	63.92	-19.91	44.01	74.00	-29.99	PK
H	4844.00	53.59	-19.91	33.68	54.00	-20.32	AV
H	7266.00	57.42	-14.06	43.36	74.00	-30.64	PK
H	7266.00	49.17	-14.06	35.11	54.00	-18.89	AV
Middle channel:2437MHz							
V	4874.00	65.42	-19.85	45.57	74.00	-28.43	PK
V	4874.00	57.26	-19.85	37.41	54.00	-16.59	AV
V	7311.00	57.26	-13.93	43.33	74.00	-30.67	PK
V	7311.00	47.45	-13.93	33.52	54.00	-20.48	AV
H	4874.00	62.44	-19.85	42.59	74.00	-31.41	PK
H	4874.00	51.62	-19.85	31.77	54.00	-22.23	AV
H	7311.00	54.53	-13.93	40.60	74.00	-33.40	PK
H	7311.00	45.77	-13.93	31.84	54.00	-22.16	AV
High channel:2452MHz							
V	4904.00	66.97	-19.79	47.18	74.00	-26.82	PK
V	4904.00	57.30	-19.79	37.51	54.00	-16.49	AV
V	7356.00	60.64	-13.80	46.84	74.00	-27.16	PK
V	7356.00	50.83	-13.80	37.03	54.00	-16.97	AV
H	4904.00	64.48	-19.79	44.69	74.00	-29.31	PK
H	4904.00	53.71	-19.79	33.92	54.00	-20.08	AV
H	7356.00	59.38	-13.80	45.58	74.00	-28.42	PK
H	7356.00	51.35	-13.80	37.55	54.00	-16.45	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11ax20

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2412MHz							
V	4824.00	69.28	-19.95	49.33	74.00	-24.67	PK
V	4824.00	60.54	-19.95	40.59	54.00	-13.41	AV
V	7236.00	62.17	-14.14	48.03	74.00	-25.97	PK
V	7236.00	52.35	-14.14	38.21	54.00	-15.79	AV
H	4824.00	64.91	-19.95	44.96	74.00	-29.04	PK
H	4824.00	55.50	-19.95	35.55	54.00	-18.45	AV
H	7236.00	60.32	-14.14	46.18	74.00	-27.82	PK
H	7236.00	52.40	-14.14	38.26	54.00	-15.74	AV
Middle channel:2437MHz							
V	4874.00	67.82	-19.85	47.97	74.00	-26.03	PK
V	4874.00	60.37	-19.85	40.52	54.00	-13.48	AV
V	7311.00	57.86	-13.93	43.93	74.00	-30.07	PK
V	7311.00	47.99	-13.93	34.06	54.00	-19.94	AV
H	4874.00	65.06	-19.85	45.21	74.00	-28.79	PK
H	4874.00	54.97	-19.85	35.12	54.00	-18.88	AV
H	7311.00	56.07	-13.93	42.14	74.00	-31.86	PK
H	7311.00	47.14	-13.93	33.21	54.00	-20.79	AV
High channel:2462MHz							
V	4924.00	69.95	-19.75	50.20	74.00	-23.80	PK
V	4924.00	61.68	-19.75	41.93	54.00	-12.07	AV
V	7386.00	63.88	-13.72	50.16	74.00	-23.84	PK
V	7386.00	54.55	-13.72	40.83	54.00	-13.17	AV
H	4924.00	67.28	-19.75	47.53	74.00	-26.47	PK
H	4924.00	56.51	-19.75	36.76	54.00	-17.24	AV
H	7386.00	61.24	-13.72	47.52	74.00	-26.48	PK
H	7386.00	53.36	-13.72	39.64	54.00	-14.36	AV

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11ax40

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2422MHz							
V	4844.00	69.23	-19.91	49.32	74.00	-24.68	PK
V	4844.00	59.34	-19.91	39.43	54.00	-14.57	AV
V	7266.00	58.78	-14.06	44.72	74.00	-29.28	PK
V	7266.00	48.31	-14.06	34.25	54.00	-19.75	AV
H	4844.00	67.05	-19.91	47.14	74.00	-26.86	PK
H	4844.00	57.48	-19.91	37.57	54.00	-16.43	AV
H	7266.00	57.77	-14.06	43.71	74.00	-30.29	PK
H	7266.00	49.70	-14.06	35.64	54.00	-18.36	AV
Middle channel:2437MHz							
V	4874.00	65.74	-19.85	45.89	74.00	-28.11	PK
V	4874.00	59.17	-19.85	39.32	54.00	-14.68	AV
V	7311.00	57.82	-13.93	43.89	74.00	-30.11	PK
V	7311.00	49.75	-13.93	35.82	54.00	-18.18	AV
H	4874.00	62.27	-19.85	42.42	74.00	-31.58	PK
H	4874.00	52.41	-19.85	32.56	54.00	-21.44	AV
H	7311.00	55.55	-13.93	41.62	74.00	-32.38	PK
H	7311.00	47.71	-13.93	33.78	54.00	-20.22	AV
High channel:2452MHz							
V	4904.00	67.34	-19.79	47.55	74.00	-26.45	PK
V	4904.00	57.83	-19.79	38.04	54.00	-15.96	AV
V	7356.00	61.26	-13.80	47.46	74.00	-26.54	PK
V	7356.00	50.55	-13.80	36.75	54.00	-17.25	AV
H	4904.00	65.36	-19.79	45.57	74.00	-28.43	PK
H	4904.00	55.86	-19.79	36.07	54.00	-17.93	AV
H	7356.00	59.72	-13.80	45.92	74.00	-28.08	PK
H	7356.00	51.12	-13.80	37.32	54.00	-16.68	AV

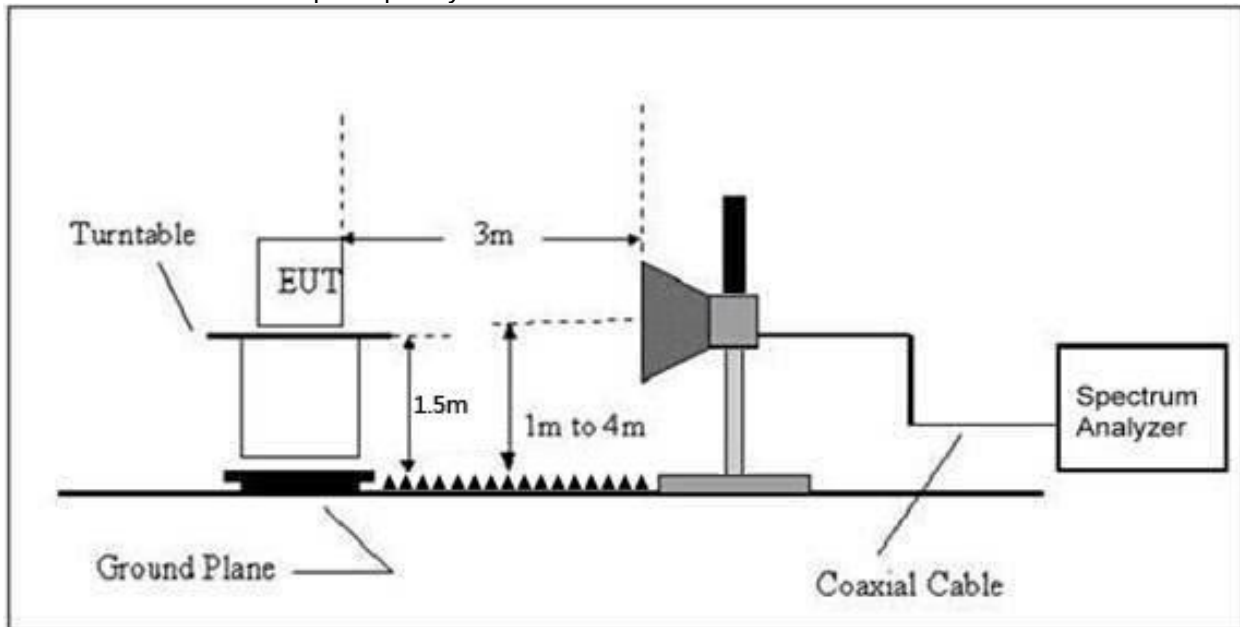
Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

8. Radiated Band Emission Measurement And Restricted Bands Of Operation

8.1 Block Diagram Of Test Setup

Radiated Emission Test-Up Frequency Above 1GHz



8.2 Limit

FCC Part15 C Section 15.209 and 15.205

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

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).

8.3 Test Procedure

Receiver Parameter	Setting
Attenuation	Auto
Start Frequency	2300MHz
Stop Frequency	2520
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average

Above 1GHz test procedure as below:

- a. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter chamber. 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.

8.4 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 continuously transmit during test. This operating condition was tested and used to collect the included data.

8.5 Test Result

ANT 1

	Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Measure- ment (dBuV/m)		Over	Result
					PK	PK	AV	PK	
802.11b	Low Channel 2412MHz								
	H	2390.00	70.45	-25.43	45.02	74.00	54.00	-28.98	PASS
	H	2400.00	72.86	-25.40	47.46	74.00	54.00	-26.54	PASS
	V	2390.00	75.32	-25.43	49.89	74.00	54.00	-24.11	PASS
	V	2400.00	72.38	-25.40	46.98	74.00	54.00	-27.02	PASS
	High Channel 2462MHz								
	H	2483.50	72.08	-25.15	46.93	74.00	54.00	-27.07	PASS
	H	2500.00	72.08	-25.10	46.98	74.00	54.00	-27.02	PASS
	V	2483.50	73.83	-25.15	48.68	74.00	54.00	-25.32	PASS
	V	2500.00	70.31	-25.10	45.21	74.00	54.00	-28.79	PASS
802.11g	Low Channel 2412MHz								
	H	2390.00	71.70	-25.43	46.27	74.00	54.00	-27.73	PASS
	H	2400.00	74.02	-25.40	48.62	74.00	54.00	-25.38	PASS
	V	2390.00	76.86	-25.43	51.43	74.00	54.00	-22.57	PASS
	V	2400.00	74.17	-25.40	48.77	74.00	54.00	-25.23	PASS
	High Channel 2462MHz								
	H	2483.50	75.92	-25.15	50.77	74.00	54.00	-23.23	PASS
	H	2500.00	75.13	-25.10	50.03	74.00	54.00	-23.97	PASS
	V	2483.50	71.66	-25.15	46.51	74.00	54.00	-27.49	PASS
	V	2500.00	74.07	-25.10	48.97	74.00	54.00	-25.03	PASS

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.
- 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

	Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Measure- ment (dBuV/m)		Over	Result
					PK	PK	AV	PK	
802.11 n20	Low Channel 2412MHz								
	H	2390.00	74.69	-25.43	49.26	74.00	54.00	-24.74	PASS
	H	2400.00	72.01	-25.40	46.61	74.00	54.00	-27.39	PASS
	V	2390.00	74.96	-25.43	49.53	74.00	54.00	-24.47	PASS
	V	2400.00	72.23	-25.40	46.83	74.00	54.00	-27.17	PASS
	High Channel 2462MHz								
	H	2483.50	77.32	-25.15	52.17	74.00	54.00	-21.83	PASS
	H	2500.00	74.29	-25.10	49.19	74.00	54.00	-24.81	PASS
	V	2483.50	71.14	-25.15	45.99	74.00	54.00	-28.01	PASS
	V	2500.00	69.99	-25.10	44.89	74.00	54.00	-29.11	PASS
802.11 n40	Low Channel 2422MHz								
	H	2390.00	69.45	-25.43	44.02	74.00	54.00	-29.98	PASS
	H	2400.00	73.81	-25.40	48.41	74.00	54.00	-25.59	PASS
	V	2390.00	73.74	-25.43	48.31	74.00	54.00	-25.69	PASS
	V	2400.00	77.72	-25.40	52.32	74.00	54.00	-21.68	PASS
	High Channel 2452MHz								
	H	2483.50	72.62	-25.15	47.47	74.00	54.00	-26.53	PASS
	H	2500.00	73.43	-25.10	48.33	74.00	54.00	-25.67	PASS
	V	2483.50	72.68	-25.15	47.53	74.00	54.00	-26.47	PASS
	V	2500.00	69.39	-25.10	44.29	74.00	54.00	-29.71	PASS
Remark: 1. Measurement = Reading Level + Correct Factor, Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier, Over= Measurement – Limit 2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit. 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									

	Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Measure- ment (dBuV/m)		Over	Result
					PK	PK	AV	PK	
802.11 ax20	Low Channel 2412MHz								
	H	2390.00	69.87	-25.43	44.44	74.00	54.00	-29.56	PASS
	H	2400.00	73.41	-25.40	48.01	74.00	54.00	-25.99	PASS
	V	2390.00	73.66	-25.43	48.23	74.00	54.00	-25.77	PASS
	V	2400.00	73.89	-25.40	48.49	74.00	54.00	-25.51	PASS
	High Channel 2462MHz								
	H	2483.50	72.18	-25.15	47.03	74.00	54.00	-26.97	PASS
	H	2500.00	75.86	-25.10	50.76	74.00	54.00	-23.24	PASS
	V	2483.50	75.15	-25.15	50.00	74.00	54.00	-24.00	PASS
	V	2500.00	72.87	-25.10	47.77	74.00	54.00	-26.23	PASS
802.11 ax40	Low Channel 2422MHz								
	H	2390.00	73.75	-25.43	48.32	74.00	54.00	-25.68	PASS
	H	2400.00	75.23	-25.40	49.83	74.00	54.00	-24.17	PASS
	V	2390.00	71.13	-25.43	45.70	74.00	54.00	-28.30	PASS
	V	2400.00	75.61	-25.40	50.21	74.00	54.00	-23.79	PASS
	High Channel 2452MHz								
	H	2483.50	74.07	-25.15	48.92	74.00	54.00	-25.08	PASS
	H	2500.00	73.00	-25.10	47.90	74.00	54.00	-26.10	PASS
	V	2483.50	71.70	-25.15	46.55	74.00	54.00	-27.45	PASS
	V	2500.00	71.84	-25.10	46.74	74.00	54.00	-27.26	PASS
Remark: 1. Measurement = Reading Level + Correct Factor, Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier, Over= Measurement – Limit 2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit. 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									

ANT 2

	Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Measure- ment (dBuV/m)		Over	Result
					PK	PK	AV	PK	
802.11b	Low Channel 2412MHz								
	H	2390.00	72.04	-25.43	46.61	74.00	54.00	-28.98	PASS
	H	2400.00	74.35	-25.40	48.95	74.00	54.00	-26.54	PASS
	V	2390.00	72.19	-25.43	46.76	74.00	54.00	-24.11	PASS
	V	2400.00	73.87	-25.40	48.47	74.00	54.00	-27.02	PASS
	High Channel 2462MHz								
	H	2483.50	71.34	-25.15	46.19	74.00	54.00	-27.07	PASS
	H	2500.00	67.09	-25.10	41.99	74.00	54.00	-27.02	PASS
	V	2483.50	71.43	-25.15	46.28	74.00	54.00	-25.32	PASS
	V	2500.00	67.13	-25.10	42.03	74.00	54.00	-28.79	PASS
802.11g	Low Channel 2412MHz								
	H	2390.00	72.67	-25.43	47.24	74.00	54.00	-27.73	PASS
	H	2400.00	74.61	-25.40	49.21	74.00	54.00	-25.38	PASS
	V	2390.00	71.72	-25.43	46.29	74.00	54.00	-22.57	PASS
	V	2400.00	72.79	-25.40	47.39	74.00	54.00	-25.23	PASS
	High Channel 2462MHz								
	H	2483.50	72.32	-25.15	47.17	74.00	54.00	-23.23	PASS
	H	2500.00	67.84	-25.10	42.74	74.00	54.00	-23.97	PASS
	V	2483.50	71.34	-25.15	46.19	74.00	54.00	-27.49	PASS
	V	2500.00	67.37	-25.10	42.27	74.00	54.00	-25.03	PASS
Remark: 1. Measurement = Reading Level + Correct Factor, Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier, Over= Measurement – Limit 2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit. 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									

	Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Measure- ment (dBuV/m)		Over	Result
					PK	PK	AV	PK	
802.11 n20	Low Channel 2412MHz								
	H	2390.00	73.10	-25.43	47.67	74.00	54.00	-24.74	PASS
	H	2400.00	74.22	-25.40	48.82	74.00	54.00	-27.39	PASS
	V	2390.00	73.83	-25.43	48.40	74.00	54.00	-24.47	PASS
	V	2400.00	73.97	-25.40	48.57	74.00	54.00	-27.17	PASS
	High Channel 2462MHz								
	H	2483.50	71.71	-25.15	46.56	74.00	54.00	-21.83	PASS
	H	2500.00	70.06	-25.10	44.96	74.00	54.00	-24.81	PASS
	V	2483.50	73.13	-25.15	47.98	74.00	54.00	-28.01	PASS
	V	2500.00	68.72	-25.10	43.62	74.00	54.00	-29.11	PASS
802.11 n40	Low Channel 2422MHz								
	H	2390.00	72.07	-25.43	46.64	74.00	54.00	-29.98	PASS
	H	2400.00	73.75	-25.40	48.35	74.00	54.00	-25.59	PASS
	V	2390.00	71.16	-25.43	45.73	74.00	54.00	-25.69	PASS
	V	2400.00	71.25	-25.40	45.85	74.00	54.00	-21.68	PASS
	High Channel 2452MHz								
	H	2483.50	70.32	-25.15	45.17	74.00	54.00	-26.53	PASS
	H	2500.00	68.41	-25.10	43.31	74.00	54.00	-25.67	PASS
	V	2483.50	69.82	-25.15	44.67	74.00	54.00	-26.47	PASS
	V	2500.00	66.72	-25.10	41.62	74.00	54.00	-29.71	PASS
Remark: 1. Measurement = Reading Level + Correct Factor, Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier, Over= Measurement – Limit 2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit. 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									

	Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Measure- ment (dBuV/m)		Over	Result
					PK	PK	AV	PK	
802.11 ax20	Low Channel 2412MHz								
	H	2390.00	73.05	-25.43	47.62	74.00	54.00	-29.56	PASS
	H	2400.00	75.49	-25.40	50.09	74.00	54.00	-25.99	PASS
	V	2390.00	72.87	-25.43	47.44	74.00	54.00	-25.77	PASS
	V	2400.00	72.71	-25.40	47.31	74.00	54.00	-25.51	PASS
	High Channel 2462MHz								
	H	2483.50	72.59	-25.15	47.44	74.00	54.00	-26.97	PASS
	H	2500.00	68.60	-25.10	43.50	74.00	54.00	-23.24	PASS
	V	2483.50	73.13	-25.15	47.98	74.00	54.00	-24.00	PASS
	V	2500.00	69.97	-25.10	44.87	74.00	54.00	-26.23	PASS
802.11 ax40	Low Channel 2422MHz								
	H	2390.00	72.43	-25.43	47.00	74.00	54.00	-25.68	PASS
	H	2400.00	75.17	-25.40	49.77	74.00	54.00	-24.17	PASS
	V	2390.00	72.83	-25.43	47.40	74.00	54.00	-28.30	PASS
	V	2400.00	73.49	-25.40	48.09	74.00	54.00	-23.79	PASS
	High Channel 2452MHz								
	H	2483.50	71.01	-25.15	45.86	74.00	54.00	-25.08	PASS
	H	2500.00	67.63	-25.10	42.53	74.00	54.00	-26.10	PASS
	V	2483.50	73.22	-25.15	48.07	74.00	54.00	-27.45	PASS
	V	2500.00	69.80	-25.10	44.70	74.00	54.00	-27.26	PASS
Remark: 1. Measurement = Reading Level + Correct Factor, Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier, Over= Measurement – Limit 2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit. 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									

ANT 3

	Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Measure- ment (dBuV/m)		Over	Result
					PK	PK	AV	PK	
802.11b	Low Channel 2412MHz								
	H	2390.00	72.07	-25.43	46.64	74.00	54.00	-28.98	PASS
	H	2400.00	73.54	-25.40	48.14	74.00	54.00	-26.54	PASS
	V	2390.00	72.56	-25.43	47.13	74.00	54.00	-24.11	PASS
	V	2400.00	72.59	-25.40	47.19	74.00	54.00	-27.02	PASS
	High Channel 2462MHz								
	H	2483.50	72.40	-25.15	47.25	74.00	54.00	-27.07	PASS
	H	2500.00	67.99	-25.10	42.89	74.00	54.00	-27.02	PASS
	V	2483.50	70.66	-25.15	45.51	74.00	54.00	-25.32	PASS
	V	2500.00	66.96	-25.10	41.86	74.00	54.00	-28.79	PASS
802.11g	Low Channel 2412MHz								
	H	2390.00	72.79	-25.43	47.36	74.00	54.00	-27.73	PASS
	H	2400.00	75.38	-25.40	49.98	74.00	54.00	-25.38	PASS
	V	2390.00	72.85	-25.43	47.42	74.00	54.00	-22.57	PASS
	V	2400.00	73.85	-25.40	48.45	74.00	54.00	-25.23	PASS
	High Channel 2462MHz								
	H	2483.50	71.24	-25.15	46.09	74.00	54.00	-23.23	PASS
	H	2500.00	68.27	-25.10	43.17	74.00	54.00	-23.97	PASS
	V	2483.50	72.87	-25.15	47.72	74.00	54.00	-27.49	PASS
	V	2500.00	68.11	-25.10	43.01	74.00	54.00	-25.03	PASS
Remark: 1. Measurement = Reading Level + Correct Factor, Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier, Over= Measurement – Limit 2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit. 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									

	Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Measure- ment (dBuV/m)		Over	Result
					PK	PK	AV	PK	
802.11 n20	Low Channel 2412MHz								
	H	2390.00	73.78	-25.43	48.35	74.00	54.00	-24.74	PASS
	H	2400.00	74.91	-25.40	49.51	74.00	54.00	-27.39	PASS
	V	2390.00	74.06	-25.43	48.63	74.00	54.00	-24.47	PASS
	V	2400.00	75.36	-25.40	49.96	74.00	54.00	-27.17	PASS
	High Channel 2462MHz								
	H	2483.50	73.09	-25.15	47.94	74.00	54.00	-21.83	PASS
	H	2500.00	69.44	-25.10	44.34	74.00	54.00	-24.81	PASS
	V	2483.50	73.00	-25.15	47.85	74.00	54.00	-28.01	PASS
	V	2500.00	69.36	-25.10	44.26	74.00	54.00	-29.11	PASS
802.11 n40	Low Channel 2422MHz								
	H	2390.00	72.91	-25.43	47.48	74.00	54.00	-29.98	PASS
	H	2400.00	75.19	-25.40	49.79	74.00	54.00	-25.59	PASS
	V	2390.00	71.94	-25.43	46.51	74.00	54.00	-25.69	PASS
	V	2400.00	71.82	-25.40	46.42	74.00	54.00	-21.68	PASS
	High Channel 2452MHz								
	H	2483.50	71.17	-25.15	46.02	74.00	54.00	-26.53	PASS
	H	2500.00	68.10	-25.10	43.00	74.00	54.00	-25.67	PASS
	V	2483.50	72.30	-25.15	47.15	74.00	54.00	-26.47	PASS
	V	2500.00	68.78	-25.10	43.68	74.00	54.00	-29.71	PASS

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.
- 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

	Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Measure- ment (dBuV/m)		Over	Result
					PK	PK	AV	PK	
802.11 ax20	Low Channel 2412MHz								
	H	2390.00	73.62	-25.43	48.19	74.00	54.00	-29.56	PASS
	H	2400.00	75.95	-25.40	50.55	74.00	54.00	-25.99	PASS
	V	2390.00	72.75	-25.43	47.32	74.00	54.00	-25.77	PASS
	V	2400.00	73.60	-25.40	48.20	74.00	54.00	-25.51	PASS
	High Channel 2462MHz								
	H	2483.50	72.85	-25.15	47.70	74.00	54.00	-26.97	PASS
	H	2500.00	69.14	-25.10	44.04	74.00	54.00	-23.24	PASS
	V	2483.50	71.90	-25.15	46.75	74.00	54.00	-24.00	PASS
	V	2500.00	67.83	-25.10	42.73	74.00	54.00	-26.23	PASS
802.11 ax40	Low Channel 2422MHz								
	H	2390.00	72.58	-25.43	47.15	74.00	54.00	-25.68	PASS
	H	2400.00	75.51	-25.40	50.11	74.00	54.00	-24.17	PASS
	V	2390.00	71.62	-25.43	46.19	74.00	54.00	-28.30	PASS
	V	2400.00	72.15	-25.40	46.75	74.00	54.00	-23.79	PASS
	High Channel 2452MHz								
	H	2483.50	71.23	-25.15	46.08	74.00	54.00	-25.08	PASS
	H	2500.00	68.95	-25.10	43.85	74.00	54.00	-26.10	PASS
	V	2483.50	71.70	-25.15	46.55	74.00	54.00	-27.45	PASS
	V	2500.00	68.38	-25.10	43.28	74.00	54.00	-27.26	PASS
Remark: 1. Measurement = Reading Level + Correct Factor, Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier, Over= Measurement – Limit 2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit. 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									

ANT 4

	Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Measure- ment (dBuV/m)		Over	Result
					PK	PK	AV	PK	
802.11b	Low Channel 2412MHz								
	H	2390.00	73.93	-25.43	48.50	74.00	54.00	-28.98	PASS
	H	2400.00	76.04	-25.40	50.64	74.00	54.00	-26.54	PASS
	V	2390.00	73.65	-25.43	48.22	74.00	54.00	-24.11	PASS
	V	2400.00	74.49	-25.40	49.09	74.00	54.00	-27.02	PASS
	High Channel 2462MHz								
	H	2483.50	72.27	-25.15	47.12	74.00	54.00	-27.07	PASS
	H	2500.00	69.74	-25.10	44.64	74.00	54.00	-27.02	PASS
	V	2483.50	72.21	-25.15	47.06	74.00	54.00	-25.32	PASS
	V	2500.00	67.71	-25.10	42.61	74.00	54.00	-28.79	PASS
802.11g	Low Channel 2412MHz								
	H	2390.00	72.15	-25.43	46.72	74.00	54.00	-27.73	PASS
	H	2400.00	74.64	-25.40	49.24	74.00	54.00	-25.38	PASS
	V	2390.00	71.41	-25.43	45.98	74.00	54.00	-22.57	PASS
	V	2400.00	72.43	-25.40	47.03	74.00	54.00	-25.23	PASS
	High Channel 2462MHz								
	H	2483.50	70.84	-25.15	45.69	74.00	54.00	-23.23	PASS
	H	2500.00	68.33	-25.10	43.23	74.00	54.00	-23.97	PASS
	V	2483.50	70.92	-25.15	45.77	74.00	54.00	-27.49	PASS
	V	2500.00	66.52	-25.10	41.42	74.00	54.00	-25.03	PASS
Remark:									
1. Measurement = Reading Level + Correct Factor, Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier, Over= Measurement – Limit									
2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.									
3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB									
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									

	Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Measure- ment (dBuV/m)		Over	Result
					PK	PK	AV	PK	
802.11 n20	Low Channel 2412MHz								
	H	2390.00	73.56	-25.43	48.13	74.00	54.00	-24.74	PASS
	H	2400.00	75.32	-25.40	49.92	74.00	54.00	-27.39	PASS
	V	2390.00	74.12	-25.43	48.69	74.00	54.00	-24.47	PASS
	V	2400.00	75.57	-25.40	50.17	74.00	54.00	-27.17	PASS
	High Channel 2462MHz								
	H	2483.50	73.50	-25.15	48.35	74.00	54.00	-21.83	PASS
	H	2500.00	69.07	-25.10	43.97	74.00	54.00	-24.81	PASS
	V	2483.50	72.87	-25.15	47.72	74.00	54.00	-28.01	PASS
	V	2500.00	67.92	-25.10	42.82	74.00	54.00	-29.11	PASS
802.11 n40	Low Channel 2422MHz								
	H	2390.00	73.66	-25.43	48.23	74.00	54.00	-29.98	PASS
	H	2400.00	76.17	-25.40	50.77	74.00	54.00	-25.59	PASS
	V	2390.00	74.51	-25.43	49.08	74.00	54.00	-25.69	PASS
	V	2400.00	76.18	-25.40	50.78	74.00	54.00	-21.68	PASS
	High Channel 2452MHz								
	H	2483.50	73.39	-25.15	48.24	74.00	54.00	-26.53	PASS
	H	2500.00	70.38	-25.10	45.28	74.00	54.00	-25.67	PASS
	V	2483.50	73.18	-25.15	48.03	74.00	54.00	-26.47	PASS
	V	2500.00	69.39	-25.10	44.29	74.00	54.00	-29.71	PASS

Remark:

1. Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.
- 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

	Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Measure- ment (dBuV/m)		Over	Result
					PK	PK	AV	PK	
802.11 ax20	Low Channel 2412MHz								
	H	2390.00	72.15	-25.43	46.72	74.00	54.00	-29.56	PASS
	H	2400.00	73.27	-25.40	47.87	74.00	54.00	-25.99	PASS
	V	2390.00	71.15	-25.43	45.72	74.00	54.00	-25.77	PASS
	V	2400.00	72.41	-25.40	47.01	74.00	54.00	-25.51	PASS
	High Channel 2462MHz								
	H	2483.50	70.63	-25.15	45.48	74.00	54.00	-26.97	PASS
	H	2500.00	67.21	-25.10	42.11	74.00	54.00	-23.24	PASS
	V	2483.50	69.53	-25.15	44.38	74.00	54.00	-24.00	PASS
	V	2500.00	64.54	-25.10	39.44	74.00	54.00	-26.23	PASS
802.11 ax40	Low Channel 2422MHz								
	H	2390.00	73.78	-25.43	48.35	74.00	54.00	-25.68	PASS
	H	2400.00	74.81	-25.40	49.41	74.00	54.00	-24.17	PASS
	V	2390.00	73.64	-25.43	48.21	74.00	54.00	-28.30	PASS
	V	2400.00	73.51	-25.40	48.11	74.00	54.00	-23.79	PASS
	High Channel 2452MHz								
	H	2483.50	73.31	-25.15	48.16	74.00	54.00	-25.08	PASS
	H	2500.00	70.55	-25.10	45.45	74.00	54.00	-26.10	PASS
	V	2483.50	73.61	-25.15	48.46	74.00	54.00	-27.45	PASS
	V	2500.00	70.17	-25.10	45.07	74.00	54.00	-27.26	PASS
Remark: 1. Measurement = Reading Level + Correct Factor, Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier, Over= Measurement – Limit 2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit. 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									

9. Power Spectral Density Test

9.1 Block Diagram Of Test Setup



9.2 Limit

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

9.3 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 kHz
4. Set the VBW $\geq 3 \times$ 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.

9.4 EUT Operating Conditions

The EUT tested system was configured as the statements of 4.6 Unless otherwise a special operating condition is specified in the follows during the testing.

Note: Power Spectral Density(dBm)=Reading+Cable Loss

9.5 Test Result

Temperature:	26°C	Relative Humidity:	54%
Test Voltage:	DC 3.3V	Remark:	N/A

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/10kHz)	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	-11.92	-17.15	8	Pass
NVNT	b	2437	-12.06	-17.29	8	Pass
NVNT	b	2462	-11.85	-17.08	8	Pass
NVNT	g	2412	-15.53	-20.76	8	Pass
NVNT	g	2437	-15.63	-20.86	8	Pass
NVNT	g	2462	-15.18	-20.41	8	Pass
NVNT	n20	2412	-15.08	-20.31	8	Pass
NVNT	n20	2437	-15.48	-20.71	8	Pass
NVNT	n20	2462	-14.46	-19.69	8	Pass
NVNT	n40	2422	-18.35	-23.58	8	Pass
NVNT	n40	2437	-18.43	-23.66	8	Pass
NVNT	n40	2452	-18.98	-24.21	8	Pass
NVNT	ax20	2412	-17.25	-22.48	8	Pass
NVNT	ax20	2437	-11.85	-17.08	8	Pass
NVNT	ax20	2462	-16.65	-21.88	8	Pass
NVNT	ax40	2422	-20.15	-25.38	8	Pass
NVNT	ax40	2437	-20.23	-25.46	8	Pass
NVNT	ax40	2452	-20.24	-25.47	8	Pass

Note: Correction Factor = $10\log(3\text{kHz}/\text{RBW in measurement}) = -5.23$

Power Spectral Density (dBm/3kHz) = Power Spectral Density (dBm/10kHz) - 5.23