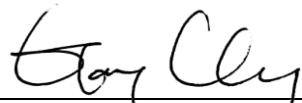


FCC Test Report

FCC ID : TLZ-CU277
Equipment : IEEE 802.11 b/g/n + Bluetooth 4.0 HS Smart Energy Module
Model No. : AW-CU277
Brand Name : AzureWave
Applicant : AzureWave Technologies, Inc.
Address : 8 F., No. 94, Baozhong Rd., Xindian, Taipei, Taiwan 231
Standard : 47 CFR FCC Part 15.247
Received Date : Mar. 12, 2015
Tested Date : Mar. 17 ~ Apr. 13, 2015

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Approved & Reviewed by:



Gary Chang / Manager



Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information.....	5
1.2	Local Support Equipment List	7
1.3	Test Setup Chart	7
1.4	The Equipment List	8
1.5	Test Standards	9
1.6	Measurement Uncertainty	9
2	TEST CONFIGURATION	10
2.1	Testing Condition	10
2.2	The Worst Test Modes and Channel Details	10
3	TRANSMITTER TEST RESULTS.....	11
3.1	Conducted Emissions.....	11
3.2	6dB and Occupied Bandwidth	20
3.3	RF Output Power	23
3.4	Power Spectral Density	25
3.5	Unwanted Emissions into Restricted Frequency Bands	27
3.6	Emissions in Non-Restricted Frequency Bands.....	109
4	TEST LABORATORY INFORMATION	119

Release Record

Report No.	Version	Description	Issued Date
FR531203AC	Rev. 01	Initial issue	May 27, 2015
FR531203AC	Rev. 02	Modified Maximum Output Power value (page 4)	Jun. 03, 2015

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	Conducted Emissions	[dBuV]: 0.162MHz 53.33 (Margin -12.01dB) - QP	Pass
15.247(d) 15.209	Radiated Emissions	[dBuV/m at 3m]: 2483.50MHz 71.98 (Margin -2.02dB) - PK	Pass
15.247(b)(3)	Maximum Output Power	Max Power [dBm]: 24.45	Pass
15.247(a)(2)	6dB Bandwidth	Meet the requirement of limit	Pass
15.247(e)	Power Spectral Density	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

1 General Description

1.1 Information

1.1.1 Specification of the Equipment under Test (EUT)

RF General Information					
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N _{TX})	Data Rate / MCS
2400-2483.5	b	2412-2462	1-11 [11]	1	1-11 Mbps
2400-2483.5	g	2412-2462	1-11 [11]	1	6-54 Mbps
2400-2483.5	n (HT20)	2412-2462	1-11 [11]	1	MCS 0-7

Note 1: RF output power specifies that Maximum Peak Conducted Output Power.
 Note 2: 802.11b uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
 Note 3: 802.11g/n uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.

1.1.2 Antenna Details

Ant. No.	Model	Type	Connector	Antenna Gain (dBi)
1	ANT3216	Chip	UFL	3.29
2	FXP73.07.0100A	Monopole	UFL	3
3	NanoBlue	Monopole	UFL	2
4	PC11.07.0100A	Dipole	UFL	3
5	GW.17.07.0250E	Dipole	UFL	2.7
6	EDA-1313-2G4C1-A16	Dipole	UFL	2.39
7	FXP74.07.0100A	PIFA	UFL	4
8	MSA-4008-25GC1-A1	PIFA	UFL	2.98
9	PC17.07.0070A	PIFA	UFL	0.9

Note: The antennas with highest gain of each type were selected for final testing in this test report.

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	3.3 Vdc from host.
-------------------	--------------------

1.1.4 Accessories

N/A

1.1.5 Channel List

Channel	Frequency(MHz)
1	2412
2	2417
3	2422
4	2427
5	2432
6	2437
7	2442
8	2447
9	2452
10	2457
11	2462

1.1.6 Test Tool and Duty Cycle

Test Tool	8777MfgTool		
Duty Cycle and Duty Factor	Mode	Duty cycle (%)	Duty factor (dB)
	11b	100.00%	0.00
	11g	100.00%	0.00
	HT20	100.00%	0.00

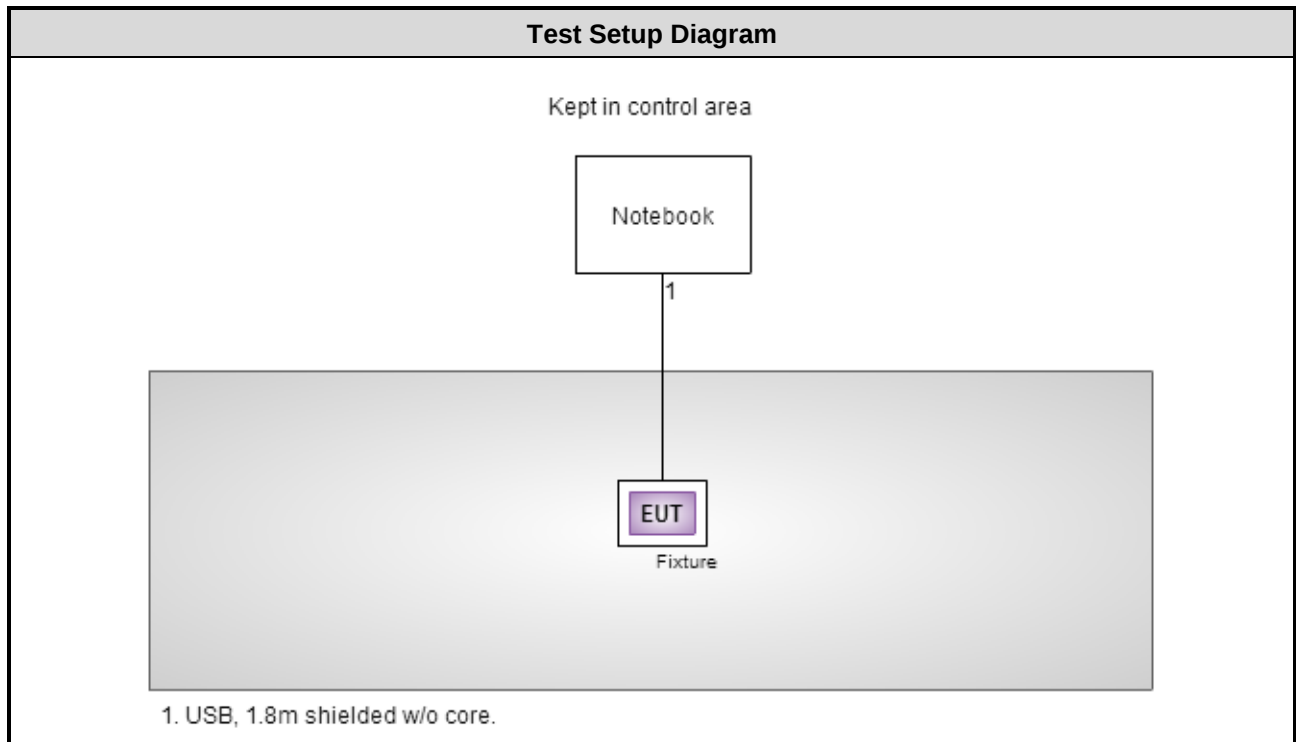
1.1.7 Power Setting

Modulation Mode	Test Frequency (MHz)	Power Set
11b	2412	18
11b	2437	18
11b	2462	18
11g	2412	14
11g	2437	17
11g	2462	15
HT20	2412	13
HT20	2437	16
HT20	2462	14

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Signal cable / Length (m)
1	Notebook	DELL	Latitude E5420	DoC	USB, 1.8m shielded w/o core.

1.3 Test Setup Chart



1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
EMC Receiver	R&S	ESCS 30	100169	Oct. 17, 2014	Oct. 16, 2015
LISN	SCHWARZBECK	Schwarzbeck 8127	8127-667	Nov. 17, 2014	Nov. 16, 2015
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127-666	Nov. 26, 2014	Nov. 25, 2015
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Dec. 31, 2014	Dec. 30, 2015
Measurement Software	AUDIX	e3	6.120210k	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber 3 / (03CH03-WS)				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	Agilent	N9010A	MY53400091	Sep. 16, 2014	Sep. 15, 2015
Receiver	Agilent	N9038A	MY53290044	Oct. 21, 2014	Oct. 20, 2015
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-562	Jan. 19, 2015	Jan. 18, 2016
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Feb. 03, 2015	Feb. 02, 2016
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 10, 2014	Nov. 09, 2015
Loop Antenna	R&S	HFH2-Z2	11900	Nov. 10, 2014	Nov. 09, 2015
Preamplifier	EMC	EMC02325	980187	Sep. 26, 2014	Sep. 25, 2015
Preamplifier	Agilent	83017A	MY53270014	Sep. 17, 2014	Sep. 16, 2015
Preamplifier	EMC	EMC184045B	980192	Aug. 26, 2014	Aug. 25, 2015
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22620/4	Feb. 09, 2015	Feb. 08, 2016
RF cable-8M	HUBER+SUHNER	SUCOFLEX104	MY22601/4	Feb. 09, 2015	Feb. 08, 2016
RF cable-1M	HUBER+SUHNER	SUCOFLEX104	MY22624/4	Feb. 09, 2015	Feb. 08, 2016
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800-001	Feb. 09, 2015	Feb. 08, 2016
LF cable-3M	EMC	EMC8D-NM-NM-3000	131103	Feb. 09, 2015	Feb. 08, 2016
LF cable-13M	EMC	EMC8D-NM-NM-13000	131104	Feb. 09, 2015	Feb. 08, 2016
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101063	Feb. 03, 2015	Feb. 02, 2016
Power Meter	Anritsu	ML2495A	1241002	Sep. 29, 2014	Sep. 28, 2015
Power Sensor	Anritsu	MA2411B	1207366	Sep. 29, 2014	Sep. 28, 2015
Signal Generator	R&S	SMB100A	175727	Oct. 08, 2014	Oct. 07, 2015
Measurement Software	Sporton	Sporton_1	1.3.30	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

According to the specification of EUT, the EUT must comply with following standards and KDB documents.

47 CFR FCC Part 15.247

ANSI C63.10-2013

FCC KDB 558074 D01 DTS Meas Guidance v03r02

1.6 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Measurement Uncertainty	
Parameters	Uncertainty
Bandwidth	±34.134 Hz
Conducted power	±0.808 dB
Power density	±0.463 dB
Conducted emission	±2.670 dB
AC conducted emission	±2.92 dB
Radiated emission ≤ 1GHz	±3.99 dB
Radiated emission > 1GHz	±5.52 dB

2 Test Configuration

2.1 Testing Condition

Test Item	Test Site	Ambient Condition	Tested By
AC Conduction	CO01-WS	22°C / 64%	Kevin Ma
Radiated Emissions	03CH03-WS	21-22°C / 63-67%	Aska Huang Anderson Hung Warren Lee
RF Conducted	TH01-WS	24°C / 65%	Felix Sung

➤ FCC site registration No.: 390588

➤ IC site registration No.: 10807C-1

2.2 The Worst Test Modes and Channel Details

Test item	Modulation Mode	Test Frequency (MHz)	Data Rate (Mbps) / MCS	Test Configuration
Conducted Emissions	11b	2412	1 Mbps	1, 2, 3, 4
Radiated Emissions ≤1GHz	11b	2412	1 Mbps	1, 2, 3, 4
Radiated Emissions >1GHz	11b	2412 / 2437 / 2462	1 Mbps	1, 2, 3, 4
	11g	2412 / 2437 / 2462	6 Mbps	
	HT20	2412 / 2437 / 2462	MCS 0	
Maximum Output Power 6dB bandwidth Power spectral density	11b	2412 / 2437 / 2462	1 Mbps	4
	11g	2412 / 2437 / 2462	6 Mbps	
	HT20	2412 / 2437 / 2462	MCS 0	

NOTE:

- The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The worst cases were shown in this report as below listed.
- 4 types antenna are used for this device, highest gain antenna of each type is selected to perform related tests as below test configuration.
 - Configuration 1 : Chip antenna with 3.29dBi gain , X-plane
 - Configuration 2 : Monopole antenna with 3dBi gain , X-plane
 - Configuration 3 : Dipole antenna with 3dBi gain, Z-plane
 - Configuration 4 : PIFA antenna with 4dBi gain, X-plane

3 Transmitter Test Results

3.1 Conducted Emissions

3.1.1 Limit of Conducted Emissions

Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

3.1.2 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 120V / 60Hz.

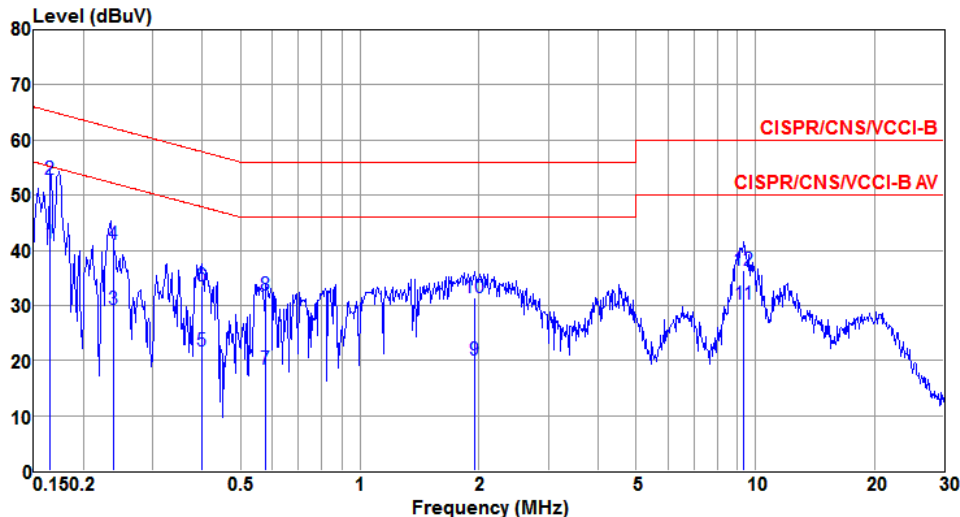
3.1.3 Test Setup



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

3.1.4 Test Result of Conducted Emissions

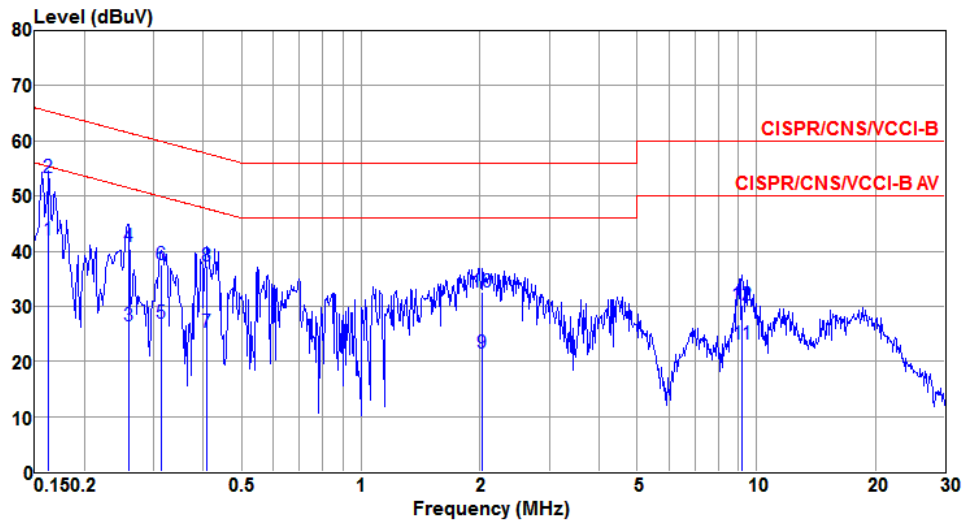
Modulation	11b	Test Freq. (MHz)	2412
Power Phase	Line	Test Configuration	1



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.165	41.41	55.21	-13.80	41.26	0.07	0.08	Average
2*	0.165	52.92	65.21	-12.29	52.77	0.07	0.08	QP
3	0.238	29.29	52.16	-22.87	29.12	0.07	0.10	Average
4	0.238	41.10	62.16	-21.06	40.93	0.07	0.10	QP
5	0.398	21.63	47.90	-26.27	21.45	0.07	0.11	Average
6	0.398	33.43	57.90	-24.47	33.25	0.07	0.11	QP
7	0.579	18.42	46.00	-27.58	18.22	0.07	0.13	Average
8	0.579	31.87	56.00	-24.13	31.67	0.07	0.13	QP
9	1.949	19.96	46.00	-26.04	19.62	0.10	0.24	Average
10	1.949	31.43	56.00	-24.57	31.09	0.10	0.24	QP
11	9.352	30.15	50.00	-19.85	29.65	0.20	0.30	Average
12	9.352	36.26	60.00	-23.74	35.76	0.20	0.30	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

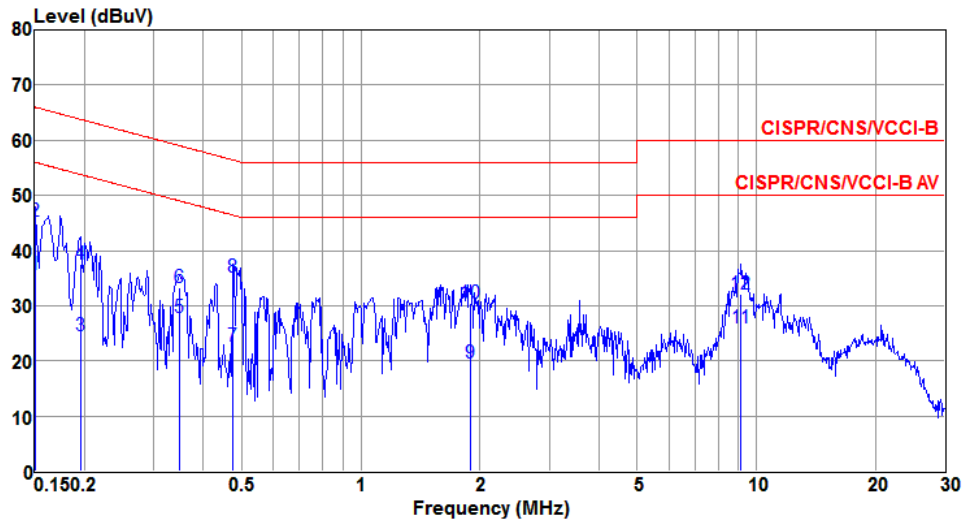
Modulation	11b	Test Freq. (MHz)	2412
Power Phase	Neutral	Test Configuration	1



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.162	41.90	55.34	-13.44	41.75	0.07	0.08	Average
2*	0.162	53.33	65.34	-12.01	53.18	0.07	0.08	QP
3	0.259	26.37	51.47	-25.10	26.20	0.07	0.10	Average
4	0.259	40.83	61.47	-20.64	40.66	0.07	0.10	QP
5	0.313	27.01	49.88	-22.87	26.84	0.07	0.10	Average
6	0.313	37.61	59.88	-22.27	37.44	0.07	0.10	QP
7	0.408	25.24	47.68	-22.44	25.06	0.07	0.11	Average
8	0.408	37.34	57.68	-20.34	37.16	0.07	0.11	QP
9	2.033	21.44	46.00	-24.56	21.10	0.10	0.24	Average
10	2.033	32.60	56.00	-23.40	32.26	0.10	0.24	QP
11	9.204	23.04	50.00	-26.96	22.52	0.22	0.30	Average
12	9.204	30.23	60.00	-29.77	29.71	0.22	0.30	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

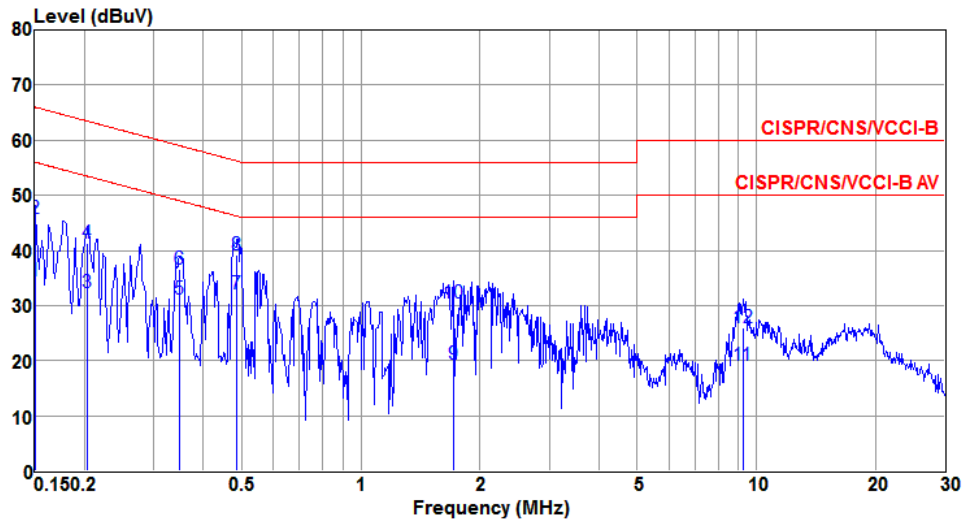
Modulation	11b	Test Freq. (MHz)	2412
Power Phase	Line	Test Configuration	2



	Freq MHz	Level dBUV	Limit Line dBUV	Over Limit dB	Read Level dBUV	LISN factor dB	cable loss dB	Remark
1*	0.150	35.66	56.00	-20.34	35.51	0.07	0.08	Average
2	0.150	45.26	66.00	-20.74	45.11	0.07	0.08	QP
3	0.195	24.55	53.80	-29.25	24.39	0.07	0.09	Average
4	0.195	37.62	63.80	-26.18	37.46	0.07	0.09	QP
5	0.348	27.76	49.00	-21.24	27.58	0.07	0.11	Average
6	0.348	33.26	59.00	-25.74	33.08	0.07	0.11	QP
7	0.476	22.73	46.41	-23.68	22.54	0.07	0.12	Average
8	0.476	35.08	56.41	-21.33	34.89	0.07	0.12	QP
9	1.888	19.71	46.00	-26.29	19.38	0.10	0.23	Average
10	1.888	30.50	56.00	-25.50	30.17	0.10	0.23	QP
11	9.156	26.08	50.00	-23.92	25.58	0.20	0.30	Average
12	9.156	32.05	60.00	-27.95	31.55	0.20	0.30	QP

Note 1: Level (dBUV) = Read Level (dBUV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBUV) – Limit Line (dBUV).

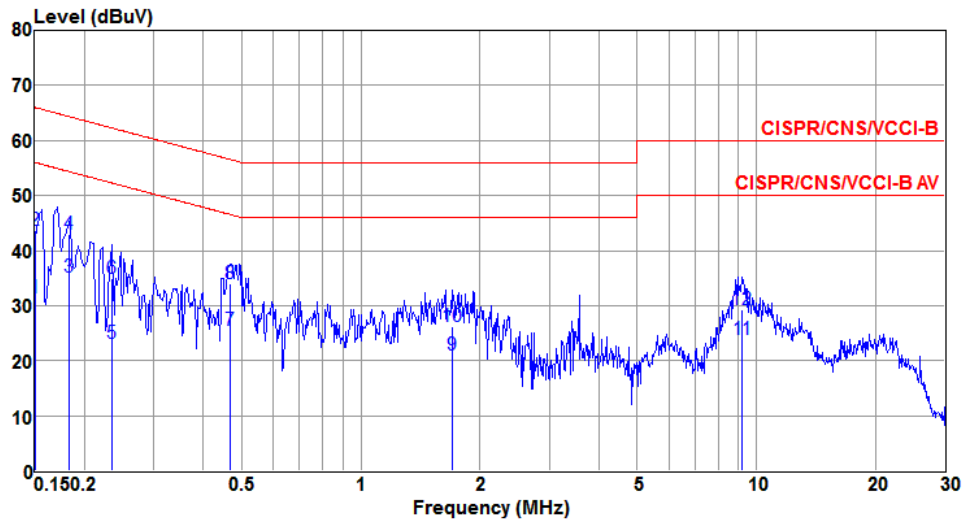
Modulation	11b	Test Freq. (MHz)	2412
Power Phase	Neutral	Test Configuration	2



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.150	34.37	56.00	-21.63	34.22	0.07	0.08	Average
2	0.150	45.79	66.00	-20.21	45.64	0.07	0.08	QP
3	0.204	32.23	53.45	-21.22	32.07	0.07	0.09	Average
4	0.204	41.31	63.45	-22.14	41.15	0.07	0.09	QP
5	0.348	31.25	49.00	-17.75	31.07	0.07	0.11	Average
6	0.348	36.70	59.00	-22.30	36.52	0.07	0.11	QP
7*	0.486	32.09	46.23	-14.14	31.90	0.07	0.12	Average
8	0.486	39.19	56.23	-17.04	39.00	0.07	0.12	QP
9	1.716	19.35	46.00	-26.65	19.03	0.10	0.22	Average
10	1.716	30.44	56.00	-25.56	30.12	0.10	0.22	QP
11	9.253	19.12	50.00	-30.88	18.60	0.22	0.30	Average
12	9.253	26.04	60.00	-33.96	25.52	0.22	0.30	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

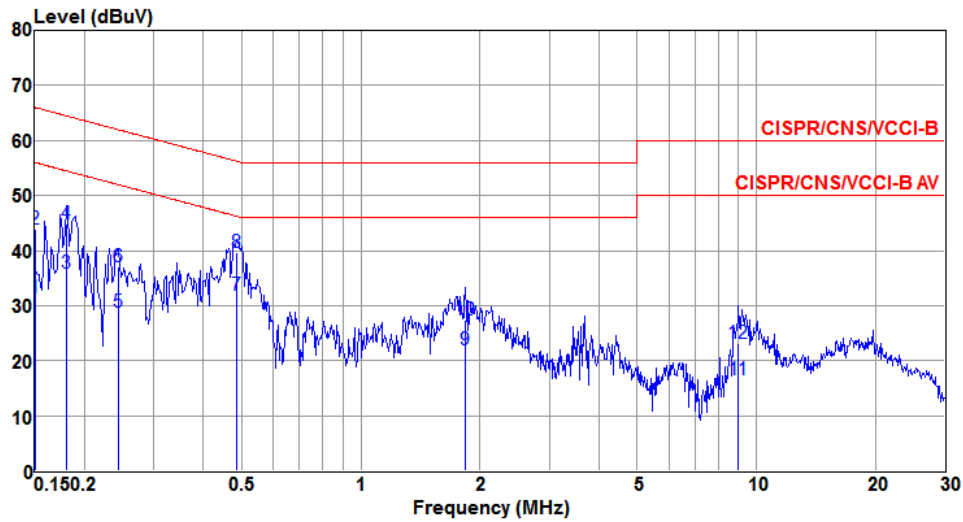
Modulation	11b	Test Freq. (MHz)	2412
Power Phase	Line	Test Configuration	3



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.150	31.48	56.00	-24.52	31.33	0.07	0.08	Average
2	0.150	43.55	66.00	-22.45	43.40	0.07	0.08	QP
3*	0.183	35.24	54.33	-19.09	35.08	0.07	0.09	Average
4	0.183	43.01	64.33	-21.32	42.85	0.07	0.09	QP
5	0.234	23.11	52.30	-29.19	22.95	0.07	0.09	Average
6	0.234	34.94	62.30	-27.36	34.78	0.07	0.09	QP
7	0.469	25.38	46.54	-21.16	25.19	0.07	0.12	Average
8	0.469	34.09	56.54	-22.45	33.90	0.07	0.12	QP
9	1.698	20.96	46.00	-25.04	20.64	0.10	0.22	Average
10	1.698	26.32	56.00	-29.68	26.00	0.10	0.22	QP
11	9.204	23.85	50.00	-26.15	23.35	0.20	0.30	Average
12	9.204	29.19	60.00	-30.81	28.69	0.20	0.30	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

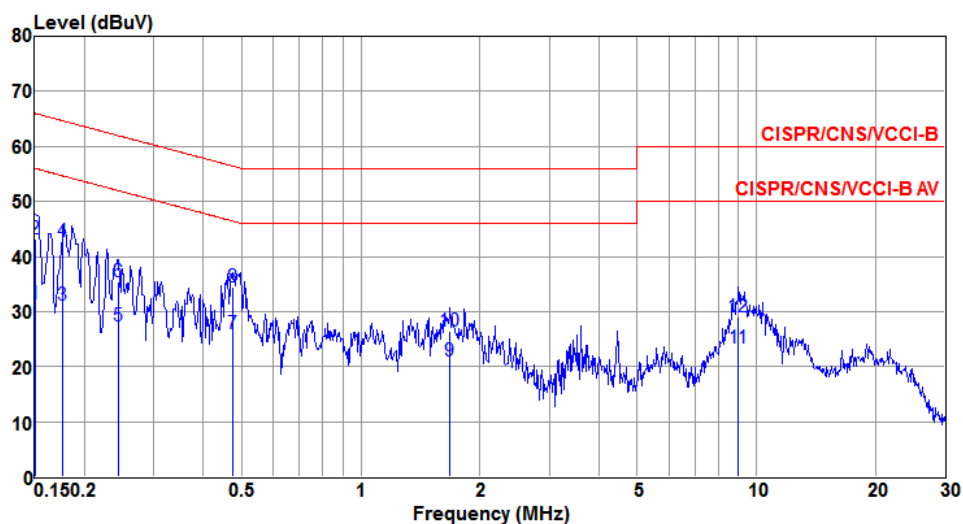
Modulation	11b	Test Freq. (MHz)	2412
Power Phase	Neutral	Test Configuration	3



	Freq MHz	Level dBUV	Limit Line dBUV	Over Limit dB	Read Level dBUV	LISN factor dB	cable loss dB	Remark
1	0.150	31.48	56.00	-24.52	31.33	0.07	0.08	Average
2	0.150	44.01	66.00	-21.99	43.86	0.07	0.08	QP
3	0.181	35.85	54.46	-18.61	35.69	0.07	0.09	Average
4	0.181	44.74	64.46	-19.72	44.58	0.07	0.09	QP
5	0.244	28.77	51.95	-23.18	28.60	0.07	0.10	Average
6	0.244	36.99	61.95	-24.96	36.82	0.07	0.10	QP
7*	0.484	31.89	46.27	-14.38	31.70	0.07	0.12	Average
8	0.484	39.57	56.27	-16.70	39.38	0.07	0.12	QP
9	1.839	21.93	46.00	-24.07	21.60	0.10	0.23	Average
10	1.839	27.36	56.00	-28.64	27.03	0.10	0.23	QP
11	9.011	16.56	50.00	-33.44	16.04	0.22	0.30	Average
12	9.011	23.09	60.00	-36.91	22.57	0.22	0.30	QP

Note 1: Level (dBUV) = Read Level (dBUV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBUV) – Limit Line (dBUV).

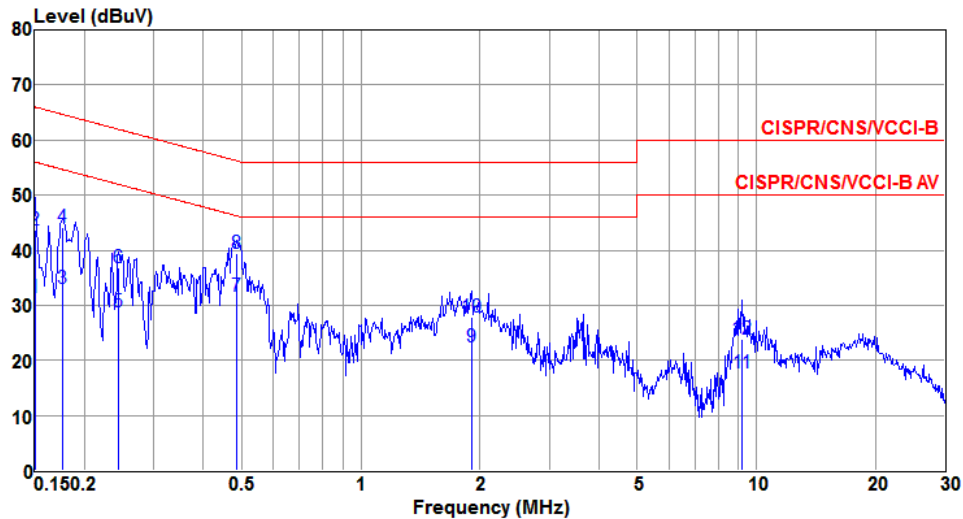
Modulation	11b	Test Freq. (MHz)	2412
Power Phase	Line	Test Configuration	4



	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.150	31.48	56.00	-24.52	31.33	0.07	0.08	Average
2	0.150	43.13	66.00	-22.87	42.98	0.07	0.08	QP
3	0.177	31.22	54.64	-23.42	31.06	0.07	0.09	Average
4	0.177	42.62	64.64	-22.02	42.46	0.07	0.09	QP
5	0.244	27.43	51.95	-24.52	27.26	0.07	0.10	Average
6	0.244	35.44	61.95	-26.51	35.27	0.07	0.10	QP
7*	0.474	25.94	46.45	-20.51	25.75	0.07	0.12	Average
8	0.474	34.54	56.45	-21.91	34.35	0.07	0.12	QP
9	1.680	21.03	46.00	-24.97	20.71	0.10	0.22	Average
10	1.680	26.45	56.00	-29.55	26.13	0.10	0.22	QP
11	9.011	23.35	50.00	-26.65	22.85	0.20	0.30	Average
12	9.011	29.04	60.00	-30.96	28.54	0.20	0.30	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Modulation	11b	Test Freq. (MHz)	2412
Power Phase	Neutral	Test Configuration	4



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.150	31.48	56.00	-24.52	31.33	0.07	0.08	Average
2	0.150	43.77	66.00	-22.23	43.62	0.07	0.08	QP
3	0.177	33.08	54.64	-21.56	32.92	0.07	0.09	Average
4	0.177	44.15	64.64	-20.49	43.99	0.07	0.09	QP
5	0.244	28.77	51.95	-23.18	28.60	0.07	0.10	Average
6	0.244	36.89	61.95	-25.06	36.72	0.07	0.10	QP
7*	0.484	31.59	46.27	-14.68	31.40	0.07	0.12	Average
8	0.484	39.53	56.27	-16.74	39.34	0.07	0.12	QP
9	1.908	22.40	46.00	-23.60	22.07	0.10	0.23	Average
10	1.908	27.81	56.00	-28.19	27.48	0.10	0.23	QP
11	9.204	17.59	50.00	-32.41	17.07	0.22	0.30	Average
12	9.204	23.83	60.00	-36.17	23.31	0.22	0.30	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

3.2 6dB and Occupied Bandwidth

3.2.1 Limit of 6dB Bandwidth

The minimum 6dB bandwidth shall be at least 500 kHz.

3.2.2 Test Procedures

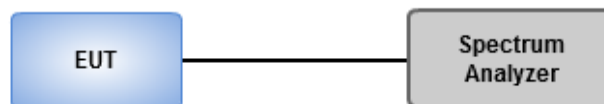
6dB Bandwidth

1. Set resolution bandwidth (RBW) = 100 kHz, Video bandwidth = 300 kHz.
2. Detector = Peak, Trace mode = max hold.
3. Sweep = auto couple, Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6dB relative to the maximum level measured in the fundamental emission.

Occupied Bandwidth

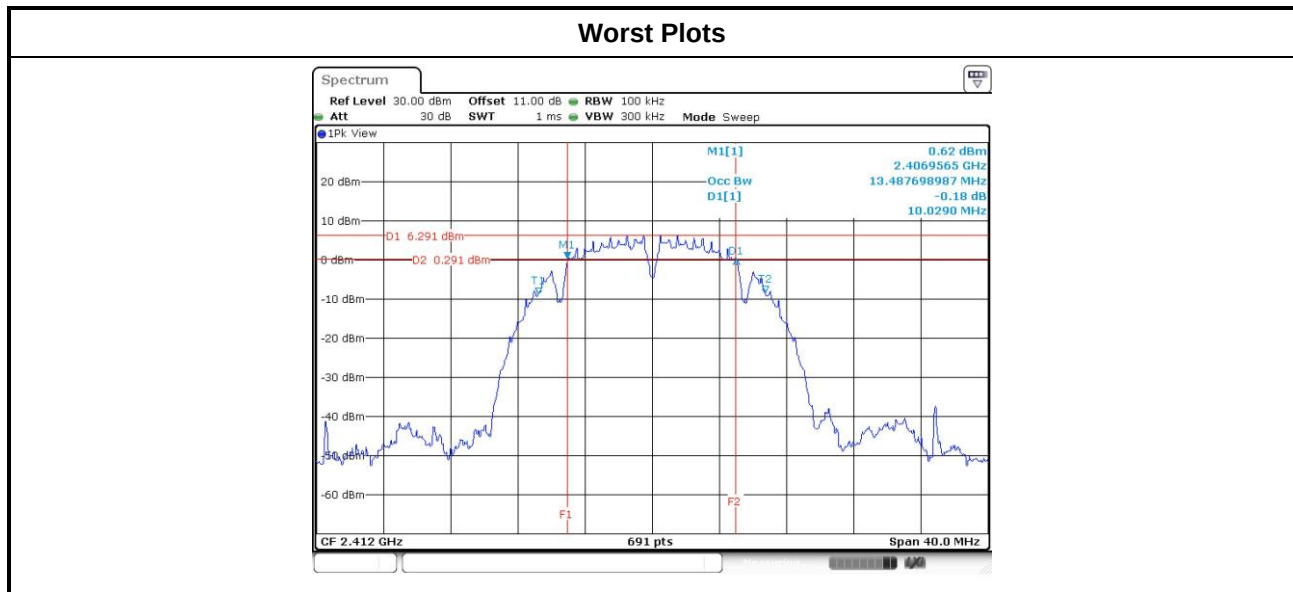
1. Set resolution bandwidth (RBW) = 300 kHz, Video bandwidth = 1 MHz.
2. Detector = Sample, Trace mode = max hold.
3. Sweep = auto couple, Allow the trace to stabilize.
4. Use the OBW measurement function of spectrum analyzer to measure the occupied bandwidth.

3.2.3 Test Setup

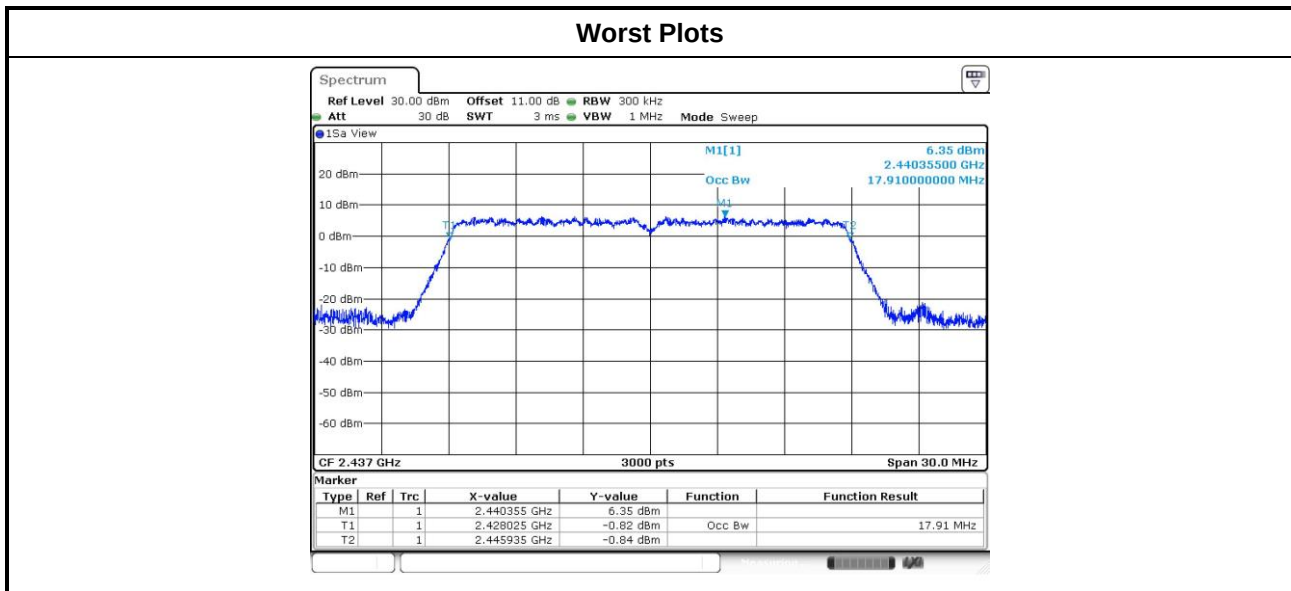


3.2.4 Test Result of 6dB and Occupied Bandwidth

Modulation Mode	N _{TX}	Freq. (MHz)	6dB Bandwidth (MHz)				Limit (kHz)
			Chain 0	Chain 1	Chain 2	Chain 3	
11b	1	2412	10.03	---	---	---	500
11b	1	2437	10.03	---	---	---	500
11b	1	2462	10.03	---	---	---	500
11g	1	2412	16.58	---	---	---	500
11g	1	2437	16.52	---	---	---	500
11g	1	2462	16.58	---	---	---	500
HT20	1	2412	17.86	---	---	---	500
HT20	1	2437	17.86	---	---	---	500
HT20	1	2462	17.86	---	---	---	500



Modulation Mode	N _{TX}	Freq. (MHz)	99% Occupied Bandwidth (MHz)			
			Chain 0	Chain 1	Chain 2	Chain 3
11b	1	2412	13.48	---	---	---
11b	1	2437	13.45	---	---	---
11b	1	2462	13.44	---	---	---
11g	1	2412	16.81	---	---	---
11g	1	2437	16.84	---	---	---
11g	1	2462	16.81	---	---	---
HT20	1	2412	17.89	---	---	---
HT20	1	2437	17.91	---	---	---
HT20	1	2462	17.90	---	---	---



3.3 RF Output Power

3.3.1 Limit of RF Output Power

Conducted power shall not exceed 1Watt.

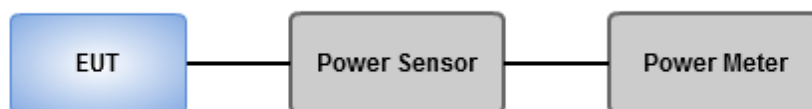
- ☒ Antenna gain $\leq 6\text{dBi}$, no any corresponding reduction is in output power limit.
- ☐ Antenna gain $> 6\text{dBi}$
 - ☐ Non Fixed, point to point operations.
The conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dB
 - ☐ Fixed, point to point operations
Systems operating in the 2400–2483.5 MHz band that are used exclusively for fixed, point-to-point Operations, maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

Systems operating in the 5725–5850 MHz band that are used exclusively for fixed, point-to-point operations ,no any corresponding reduction is in transmitter peak output power

3.3.2 Test Procedures

- ☒ Maximum Peak Conducted Output Power
 - ☐ **Spectrum analyzer**
 1. Set RBW = 1MHz, VBW = 3MHz, Detector = Peak.
 2. Sweep time = auto, Trace mode = max hold, Allow trace to fully stabilize.
 3. Use the spectrum analyzer channel power measurement function with the band limits set equal to the DTS bandwidth edges.
 - ☒ **Power meter**
 1. A broadband Peak RF power meter is used for output power measurement. The video bandwidth of power meter is greater than DTS bandwidth of EUT. If duty cycle of test signal is not 100 %, trigger and gating function of power meter will be enabled to capture transmission burst for measuring output power.
- ☒ Maximum Conducted Output Power (For reference only)
 - ☒ **Power meter**
 1. A broadband Average RF power meter is used for output power measurement. The video bandwidth of power meter is greater than DTS bandwidth of EUT. If duty cycle of test signal is not 100 %, trigger and gating function of power meter will be enabled to capture transmission burst for measuring output power.

3.3.3 Test Setup



3.3.4 Test Result of Maximum Output Power

Modulation Mode	N _{TX}	Freq. (MHz)	Peak conducted output power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11b	1	2412	20.49	---	---	---	111.944	20.49	30.00
11b	1	2437	20.26	---	---	---	106.170	20.26	30.00
11b	1	2462	20.23	---	---	---	105.439	20.23	30.00
11g	1	2412	22.96	---	---	---	197.697	22.96	30.00
11g	1	2437	24.45	---	---	---	278.612	24.45	30.00
11g	1	2462	23.45	---	---	---	221.309	23.45	30.00
HT20	1	2412	21.94	---	---	---	156.315	21.94	30.00
HT20	1	2437	23.48	---	---	---	222.844	23.48	30.00
HT20	1	2462	22.30	---	---	---	169.824	22.30	30.00

Modulation Mode	N _{TX}	Freq. (MHz)	Conducted (average) output power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11b	1	2412	18.02	---	---	---	63.387	18.02	30.00
11b	1	2437	17.74	---	---	---	59.429	17.74	30.00
11b	1	2462	17.68	---	---	---	58.614	17.68	30.00
11g	1	2412	14.02	---	---	---	25.235	14.02	30.00
11g	1	2437	16.62	---	---	---	45.920	16.62	30.00
11g	1	2462	14.42	---	---	---	27.669	14.42	30.00
HT20	1	2412	13.36	---	---	---	21.677	13.36	30.00
HT20	1	2437	15.42	---	---	---	34.834	15.42	30.00
HT20	1	2462	13.51	---	---	---	22.439	13.51	30.00

Note: Conducted average output power is for reference only.

3.4 Power Spectral Density

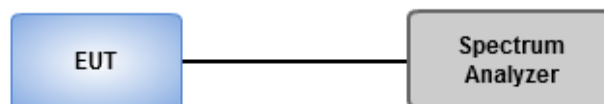
3.4.1 Limit of Power Spectral Density

Power spectral density shall not be greater than 8 dBm in any 3 kHz band.

3.4.2 Test Procedures

- ☒ Maximum peak conducted output power was used to demonstrate compliance to the fundamental output power limit.
 1. Set the RBW = 3kHz, VBW = 10kHz.
 2. Detector = Peak, Sweep time = auto couple.
 3. Trace mode = max hold, allow trace to fully stabilize.
 4. Use the peak marker function to determine the maximum amplitude level.
- ☐ Maximum (average) conducted output power was used to demonstrate compliance to the fundamental output power limit.
 1. Set the RBW = 100kHz, VBW = 300 kHz.
 2. Detector = RMS, Sweep time = auto couple.
 3. Set the sweep time to: $\geq 10 \times (\text{number of measurement points in sweep}) \times (\text{maximum data rate per stream})$.
 4. Perform the measurement over a single sweep.
 5. Use the peak marker function to determine the maximum amplitude level.

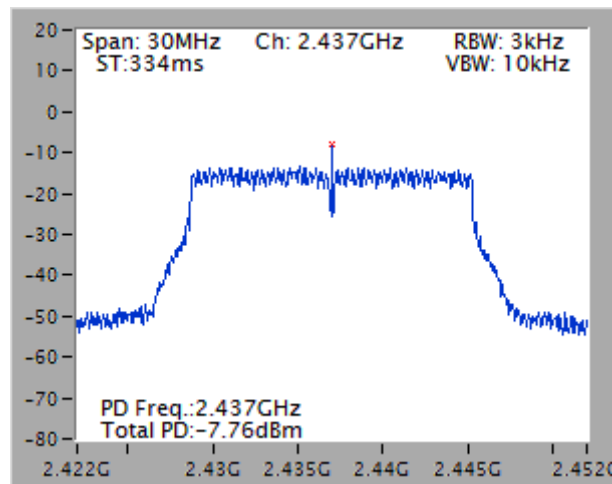
3.4.3 Test Setup



3.4.4 Test Result of Power Spectral Density

Modulation Mode	N _{TX}	Freq. (MHz)	Total Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)
11b	1	2412	-12.10	8.00
11b	1	2437	-12.49	8.00
11b	1	2462	-12.51	8.00
11g	1	2412	-7.81	8.00
11g	1	2437	-7.76	8.00
11g	1	2462	-8.60	8.00
HT20	1	2412	-9.07	8.00
HT20	1	2437	-8.37	8.00
HT20	1	2462	-8.23	8.00

Worst Plots



3.5 Unwanted Emissions into Restricted Frequency Bands

3.5.1 Limit of Unwanted Emissions into Restricted Frequency Bands

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1:
Quasi-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit

Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

3.5.2 Test Procedures

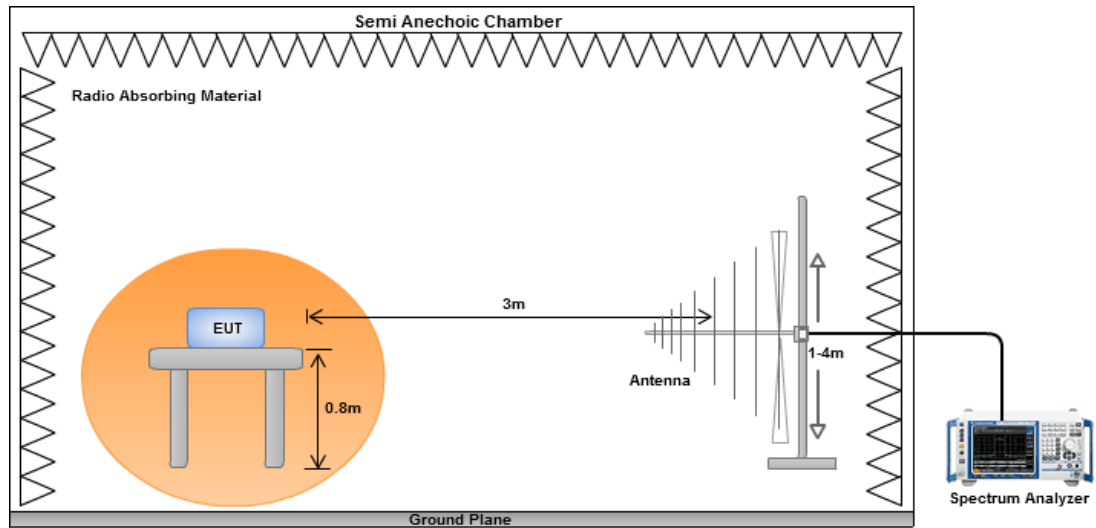
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

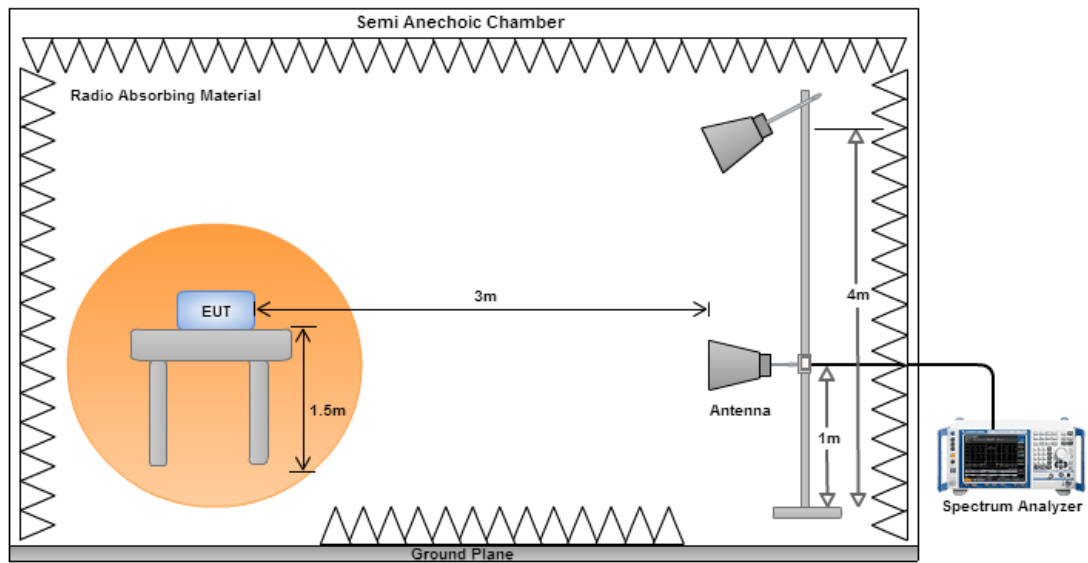
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

3.5.3 Test Setup

Radiated Emissions below 1 GHz

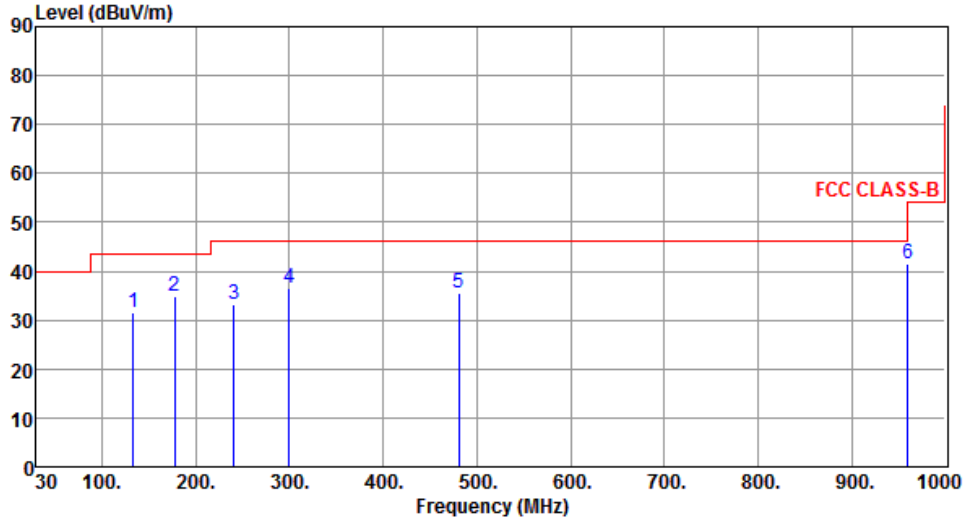


Radiated Emissions above 1 GHz



3.5.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Horizontal	Test Configuration	1

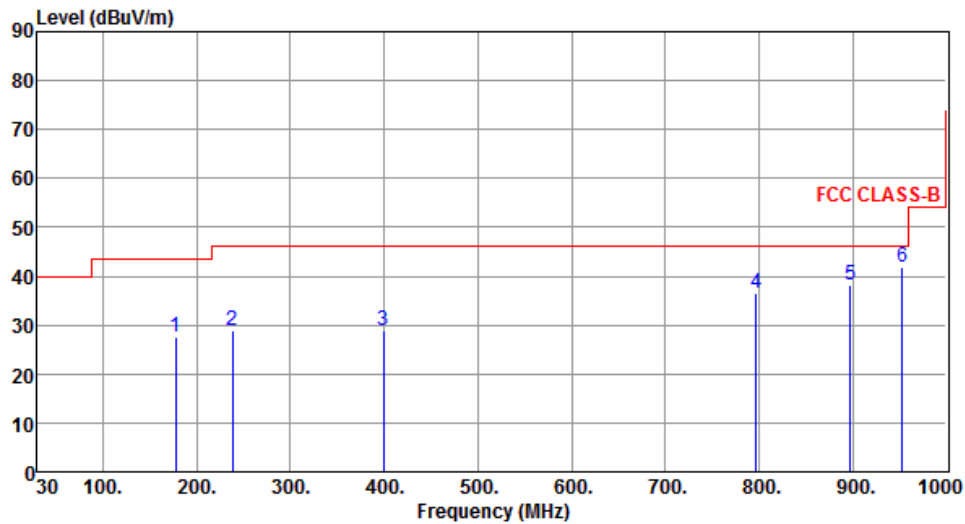


The graph displays the radiated unwanted emissions for a transmitter operating at 2412 MHz. The y-axis represents the emission level in dBUV/m, ranging from 0 to 90. The x-axis represents the frequency in MHz, ranging from 30 to 1000. A red line indicates the FCC CLASS-B limit, which is 40 dBUV/m from 30 MHz to 100 MHz, 45 dBUV/m from 100 MHz to 300 MHz, and 55 dBUV/m from 300 MHz to 1000 MHz. Six emission peaks are identified and labeled with numbers 1 through 6. The data for these peaks is provided in the table below.

	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	133.79	31.40	43.50	-12.10	45.67	-14.27	Peak	---	---
2	177.44	34.82	43.50	-8.68	49.79	-14.97	Peak	---	---
3	240.49	33.35	46.00	-12.65	48.08	-14.73	Peak	---	---
4	299.66	36.57	46.00	-9.43	49.22	-12.65	Peak	---	---
5	481.05	35.60	46.00	-10.40	43.66	-8.06	Peak	---	---
6	960.23	41.56	54.00	-12.44	41.21	0.35	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)
 *Factor includes antenna factor , cable loss and amplifier gain
 Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).
 Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Vertical	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	177.44	27.69	43.50	-15.81	42.66	-14.97	Peak	---	---
2	238.55	28.96	46.00	-17.04	43.78	-14.82	Peak	---	---
3	399.57	28.74	46.00	-17.26	38.77	-10.03	Peak	---	---
4	797.27	36.51	46.00	-9.49	39.11	-2.60	Peak	---	---
5	897.18	38.08	46.00	-7.92	38.82	-0.74	Peak	---	---
6	952.47	41.69	46.00	-4.31	41.41	0.28	Peak	---	---

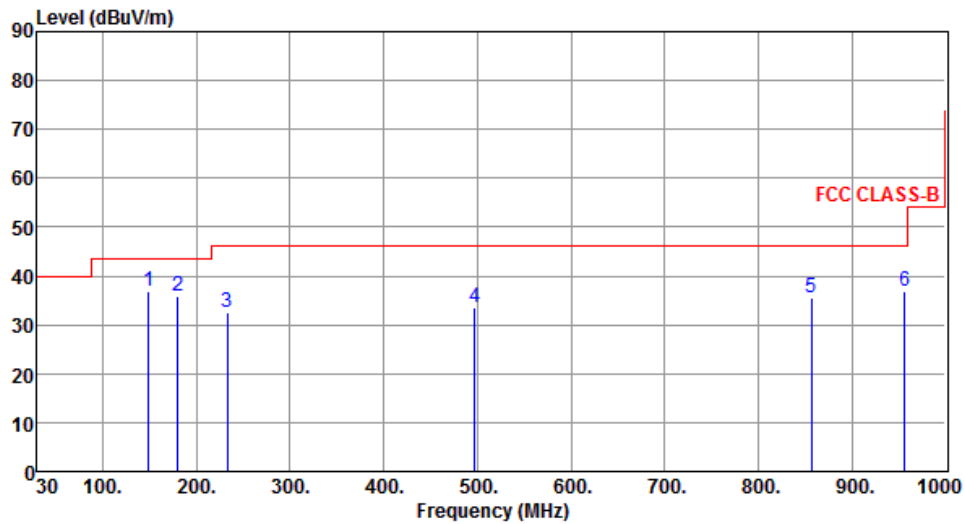
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Horizontal	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	149.31	37.03	43.50	-6.47	50.47	-13.44	Peak	---	---
2	180.35	35.83	43.50	-7.67	51.14	-15.31	Peak	---	---
3	232.73	32.40	46.00	-13.60	47.59	-15.19	Peak	---	---
4	497.54	33.43	46.00	-12.57	41.12	-7.69	Peak	---	---
5	856.44	35.49	46.00	-10.51	37.09	-1.60	Peak	---	---
6	956.35	36.80	46.00	-9.20	36.47	0.33	Peak	---	---

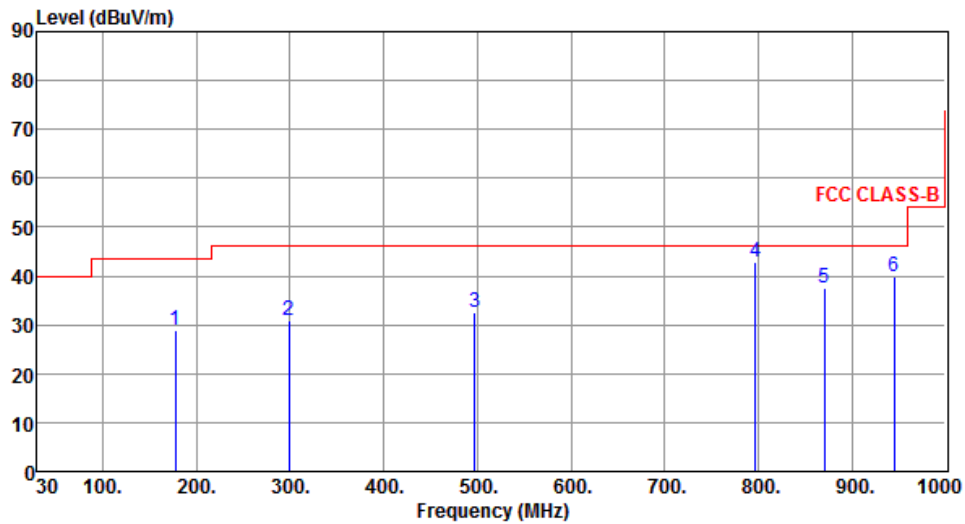
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Vertical	Test Configuration	2



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	177.44	28.97	43.50	-14.53	43.94	-14.97	Peak	---	---
2	298.69	30.88	46.00	-15.12	43.57	-12.69	Peak	---	---
3	497.54	32.57	46.00	-13.43	40.26	-7.69	Peak	---	---
4	797.27	42.90	46.00	-3.10	45.50	-2.60	Peak	---	---
5	870.99	37.41	46.00	-8.59	38.69	-1.28	Peak	---	---
6	944.71	39.93	46.00	-6.07	39.76	0.17	Peak	---	---

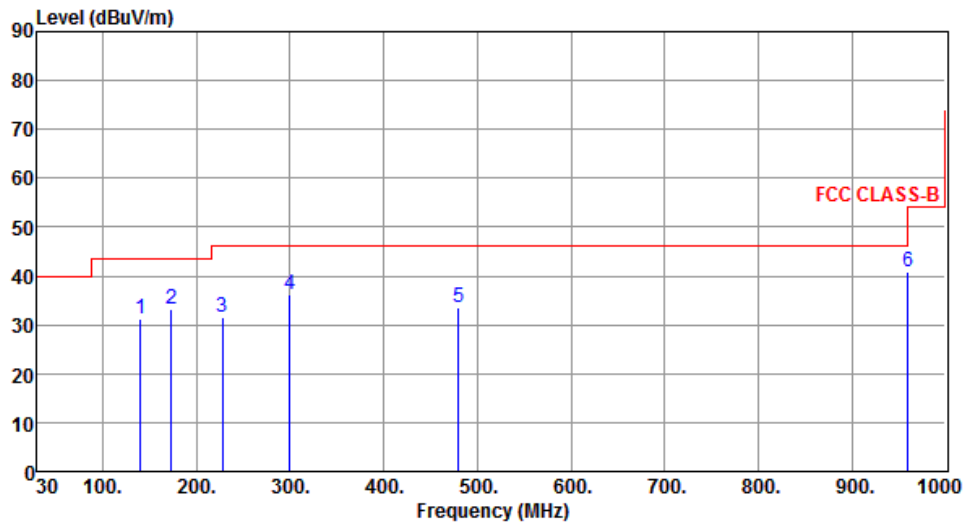
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	140.58	31.18	43.50	-12.32	44.89	-13.71	Peak	---	---
2	173.56	33.12	43.50	-10.38	47.64	-14.52	Peak	---	---
3	227.88	31.55	46.00	-14.45	47.04	-15.49	Peak	---	---
4	299.66	36.19	46.00	-9.81	48.84	-12.65	Peak	---	---
5	480.08	33.48	46.00	-12.52	41.57	-8.09	Peak	---	---
6	960.23	40.79	54.00	-13.21	40.44	0.35	Peak	---	---

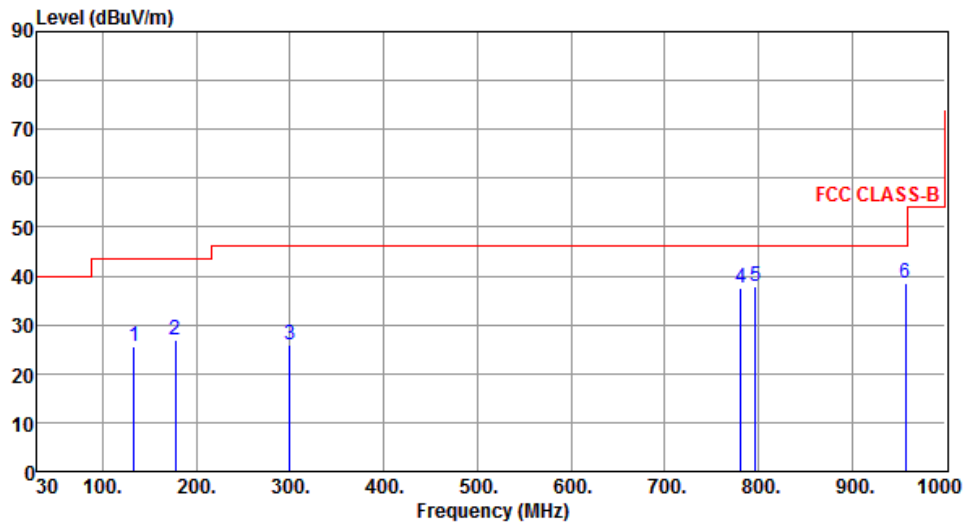
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Vertical	Test Configuration	3



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	133.79	25.44	43.50	-18.06	39.71	-14.27	Peak	---	---
2	177.44	26.78	43.50	-16.72	41.75	-14.97	Peak	---	---
3	299.66	25.85	46.00	-20.15	38.50	-12.65	Peak	---	---
4	781.75	37.59	46.00	-8.41	40.39	-2.80	Peak	---	---
5	797.27	37.84	46.00	-8.16	40.44	-2.60	Peak	---	---
6	957.32	38.43	46.00	-7.57	38.10	0.33	Peak	---	---

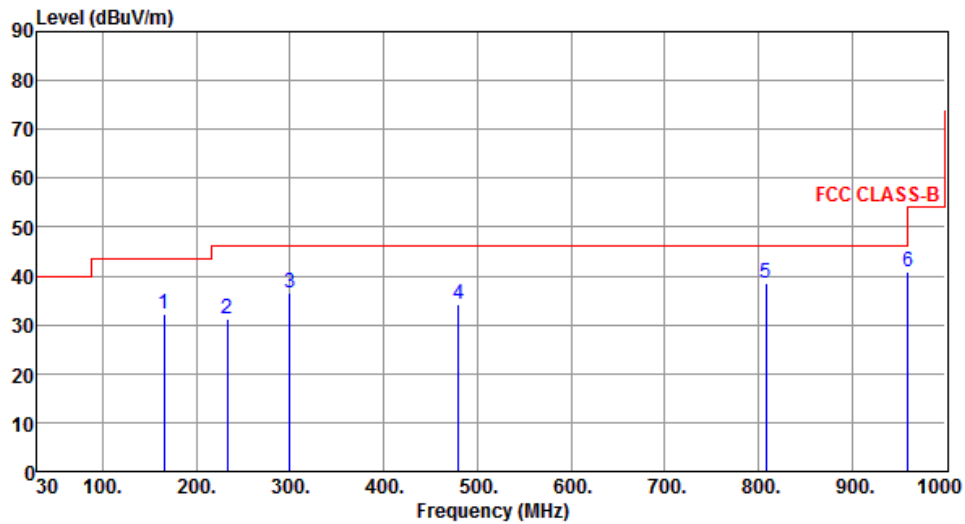
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Horizontal	Test Configuration	4



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	165.80	32.31	43.50	-11.19	46.20	-13.89	Peak	---	---
2	232.73	31.06	46.00	-14.94	46.25	-15.19	Peak	---	---
3	299.66	36.40	46.00	-9.60	49.05	-12.65	Peak	---	---
4	480.08	34.10	46.00	-11.90	42.19	-8.09	Peak	---	---
5	807.94	38.54	46.00	-7.46	40.96	-2.42	Peak	---	---
6	960.23	40.76	54.00	-13.24	40.41	0.35	Peak	---	---

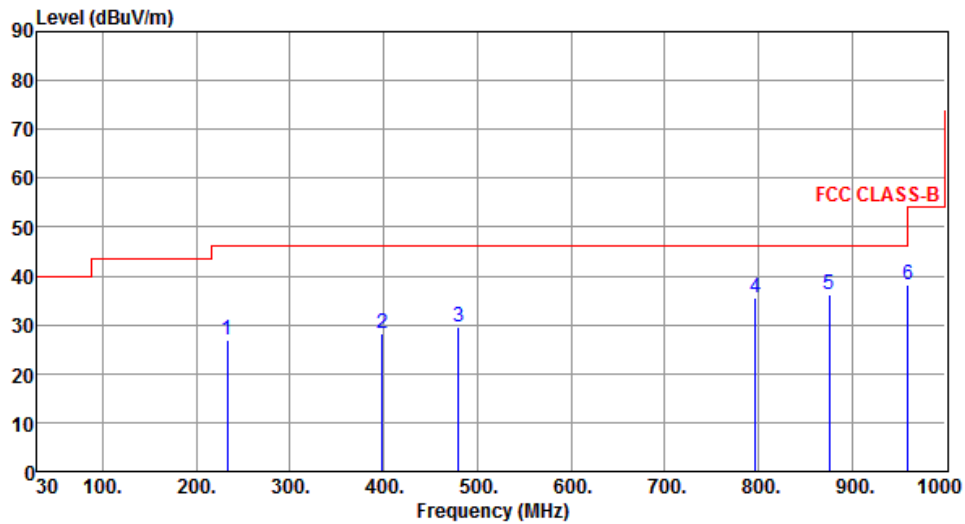
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Vertical	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	232.73	26.89	46.00	-19.11	42.08	-15.19	Peak	---	---
2	398.60	28.36	46.00	-17.64	38.42	-10.06	Peak	---	---
3	480.08	29.45	46.00	-16.55	37.54	-8.09	Peak	---	---
4	797.27	35.59	46.00	-10.41	38.19	-2.60	Peak	---	---
5	875.84	36.16	46.00	-9.84	37.34	-1.18	Peak	---	---
6	960.23	38.35	54.00	-15.65	38.00	0.35	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

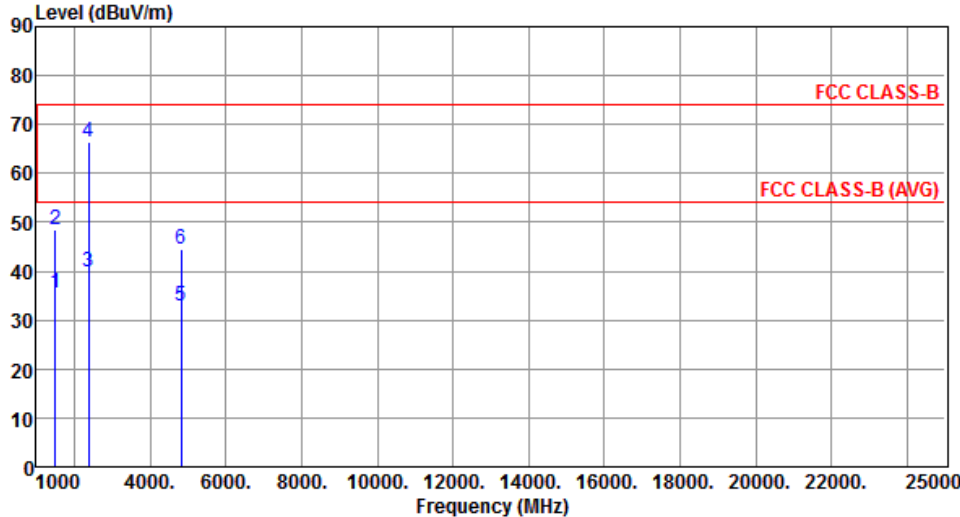
*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

3.5.5 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11b

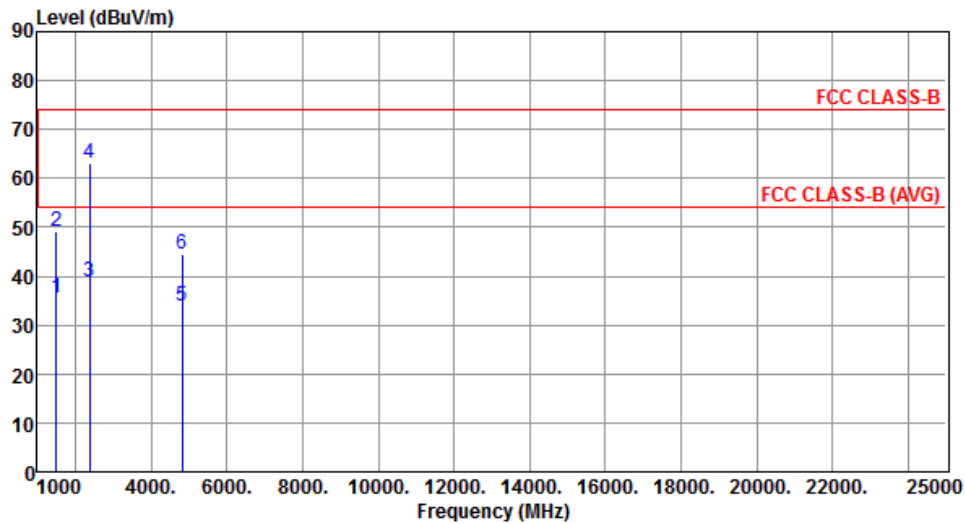
Modulation	11b	Test Freq. (MHz)	2412
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.49	54.00	-18.51	39.32	-3.83	Average	---	---
2	1500.00	48.38	74.00	-25.62	52.21	-3.83	Peak	---	---
3	2390.00	39.99	54.00	-14.01	41.21	-1.22	Average	---	---
4	2390.00	66.55	74.00	-7.45	67.77	-1.22	Peak	---	---
5	4824.00	32.74	54.00	-21.26	25.73	7.01	Average	---	---
6	4824.00	44.53	74.00	-29.47	37.52	7.01	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Vertical	Test Configuration	1



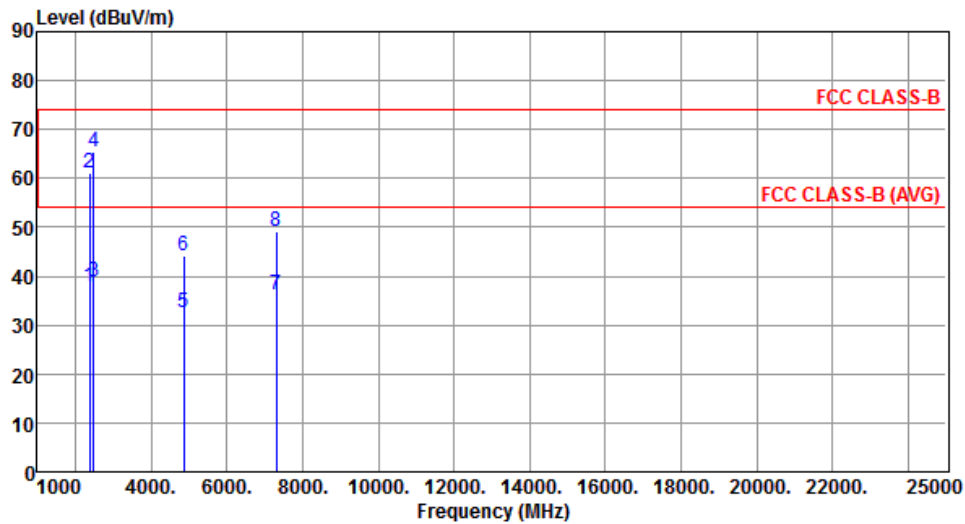
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.46	54.00	-18.54	39.29	-3.83	Average	---	---
2	1500.00	49.19	74.00	-24.81	53.02	-3.83	Peak	---	---
3	2390.00	38.71	54.00	-15.29	39.93	-1.22	Average	---	---
4	2390.00	62.97	74.00	-11.03	64.19	-1.22	Peak	---	---
5	4824.00	33.96	54.00	-20.04	26.95	7.01	Average	---	---
6	4824.00	44.47	74.00	-29.53	37.46	7.01	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2437
Polarization	Horizontal	Test Configuration	1



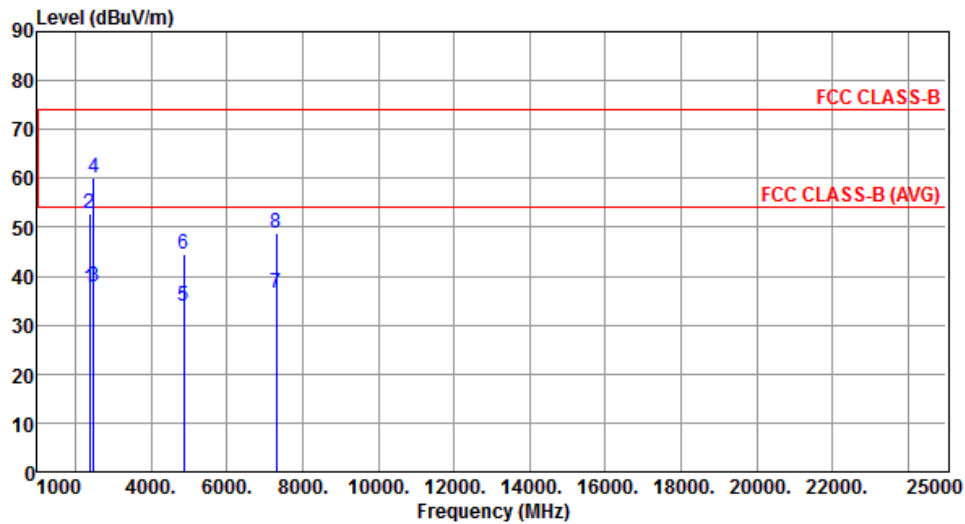
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	37.88	54.00	-16.12	39.10	-1.22	Average	---	---
2	2390.00	61.13	74.00	-12.87	62.35	-1.22	Peak	---	---
3	2483.50	38.82	54.00	-15.18	39.71	-0.89	Average	---	---
4	2483.50	65.53	74.00	-8.47	66.42	-0.89	Peak	---	---
5	4874.00	32.56	54.00	-21.44	25.75	6.81	Average	---	---
6	4874.00	44.17	74.00	-29.83	37.36	6.81	Peak	---	---
7	7311.00	36.24	54.00	-17.76	25.28	10.96	Average	---	---
8	7311.00	49.12	74.00	-24.88	38.16	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2437
Polarization	Vertical	Test Configuration	1



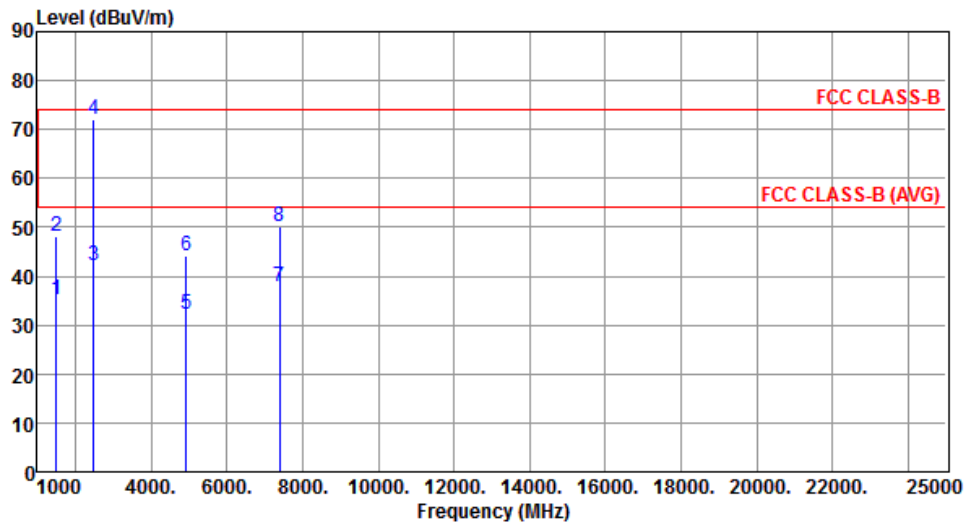
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	37.42	54.00	-16.58	38.64	-1.22	Average	---	---
2	2390.00	52.92	74.00	-21.08	54.14	-1.22	Peak	---	---
3	2483.50	37.95	54.00	-16.05	38.84	-0.89	Average	---	---
4	2483.50	60.10	74.00	-13.90	60.99	-0.89	Peak	---	---
5	4874.00	33.77	54.00	-20.23	26.96	6.81	Average	---	---
6	4874.00	44.36	74.00	-29.64	37.55	6.81	Peak	---	---
7	7311.00	36.61	54.00	-17.39	25.65	10.96	Average	---	---
8	7311.00	48.93	74.00	-25.07	37.97	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2462
Polarization	Horizontal	Test Configuration	1



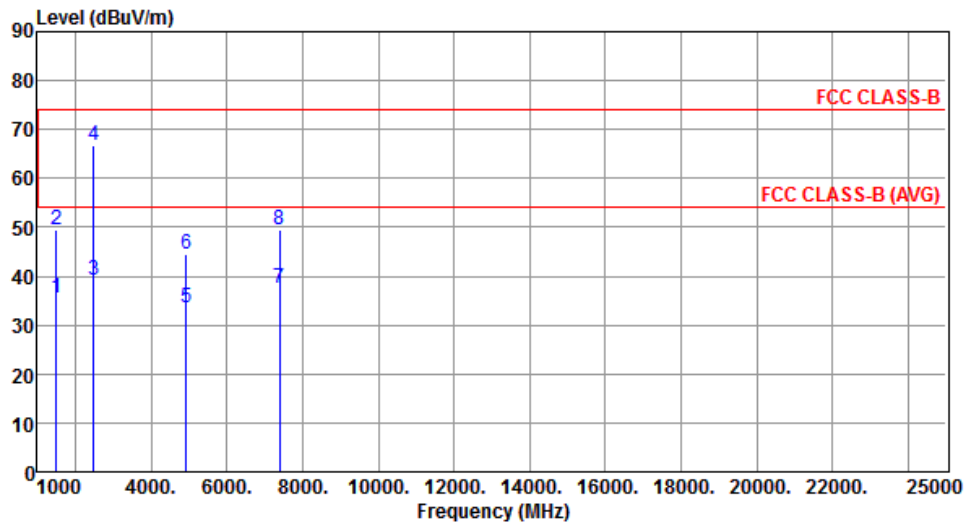
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.36	54.00	-18.64	39.19	-3.83	Average	---	---
2	1500.00	48.26	74.00	-25.74	52.09	-3.83	Peak	---	---
3	2483.50	42.07	54.00	-11.93	42.96	-0.89	Average	---	---
4	2483.50	71.98	74.00	-2.02	72.87	-0.89	Peak	---	---
5	4924.00	32.37	54.00	-21.63	25.77	6.60	Average	---	---
6	4924.00	44.28	74.00	-29.72	37.68	6.60	Peak	---	---
7	7386.00	37.72	54.00	-16.28	26.60	11.12	Average	---	---
8	7386.00	50.05	74.00	-23.95	38.93	11.12	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2462
Polarization	Vertical	Test Configuration	1



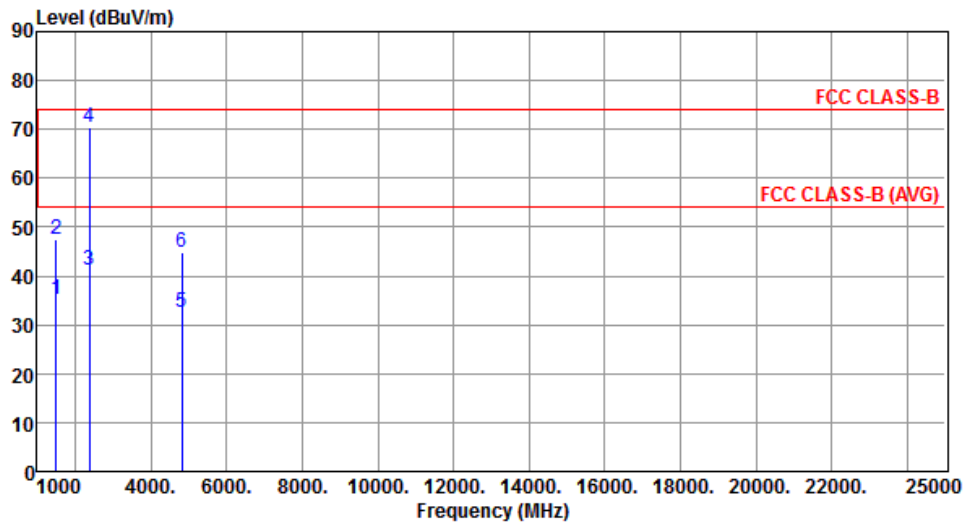
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.59	54.00	-18.41	39.42	-3.83	Average	---	---
2	1500.00	49.43	74.00	-24.57	53.26	-3.83	Peak	---	---
3	2483.50	39.32	54.00	-14.68	40.21	-0.89	Average	---	---
4	2483.50	66.84	74.00	-7.16	67.73	-0.89	Peak	---	---
5	4924.00	33.57	54.00	-20.43	26.97	6.60	Average	---	---
6	4924.00	44.41	74.00	-29.59	37.81	6.60	Peak	---	---
7	7386.00	37.59	54.00	-16.41	26.47	11.12	Average	---	---
8	7386.00	49.40	74.00	-24.60	38.28	11.12	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Horizontal	Test Configuration	2



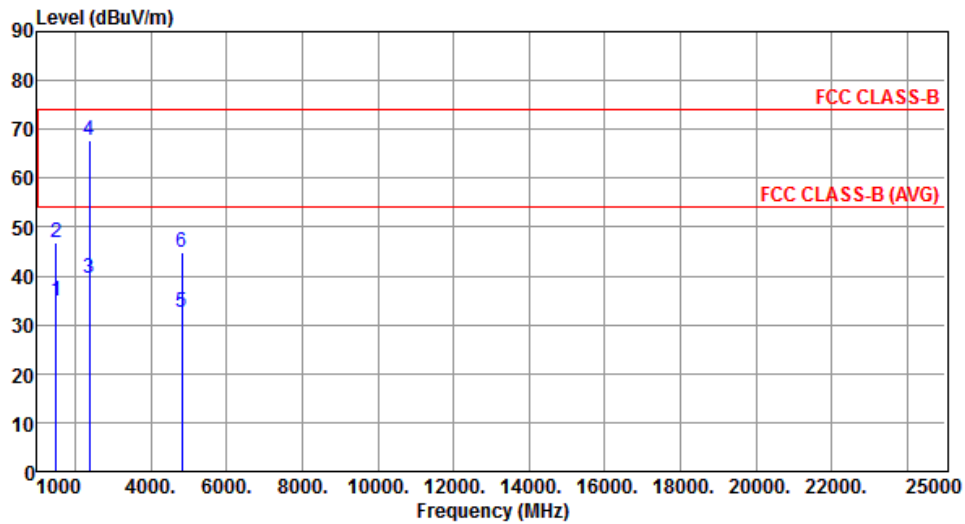
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.13	54.00	-18.87	38.96	-3.83	Average	---	---
2	1500.00	47.56	74.00	-26.44	51.39	-3.83	Peak	---	---
3	2390.00	41.13	54.00	-12.87	42.35	-1.22	Average	---	---
4	2390.00	70.55	74.00	-3.45	71.77	-1.22	Peak	---	---
5	4824.00	32.62	54.00	-21.38	25.61	7.01	Average	---	---
6	4824.00	44.90	74.00	-29.10	37.89	7.01	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Vertical	Test Configuration	2



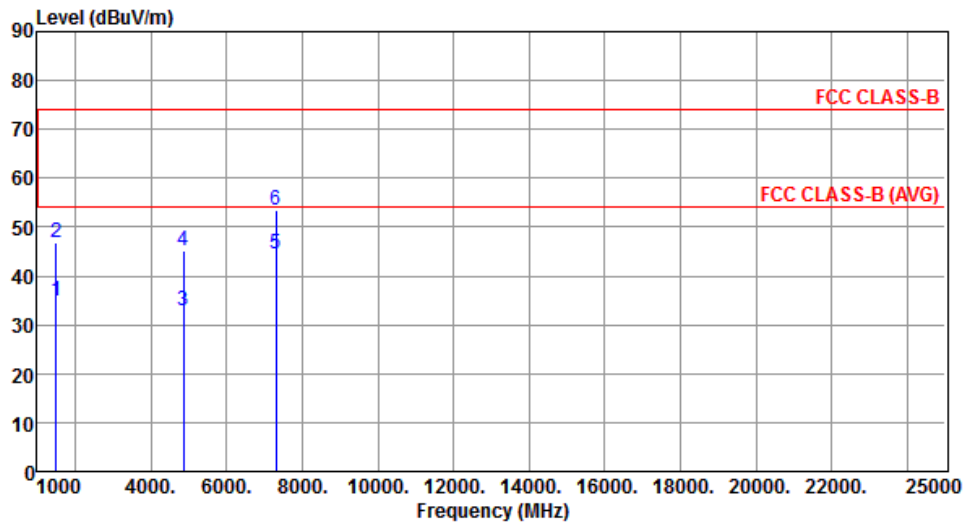
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.03	54.00	-18.97	38.86	-3.83	Average	---	---
2	1500.00	46.69	74.00	-27.31	50.52	-3.83	Peak	---	---
3	2390.00	39.68	54.00	-14.32	40.90	-1.22	Average	---	---
4	2390.00	67.81	74.00	-6.19	69.03	-1.22	Peak	---	---
5	4824.00	32.66	54.00	-21.34	25.65	7.01	Average	---	---
6	4824.00	44.80	74.00	-29.20	37.79	7.01	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11b	Test Freq. (MHz)	2437
Polarization	Horizontal	Test Configuration	2



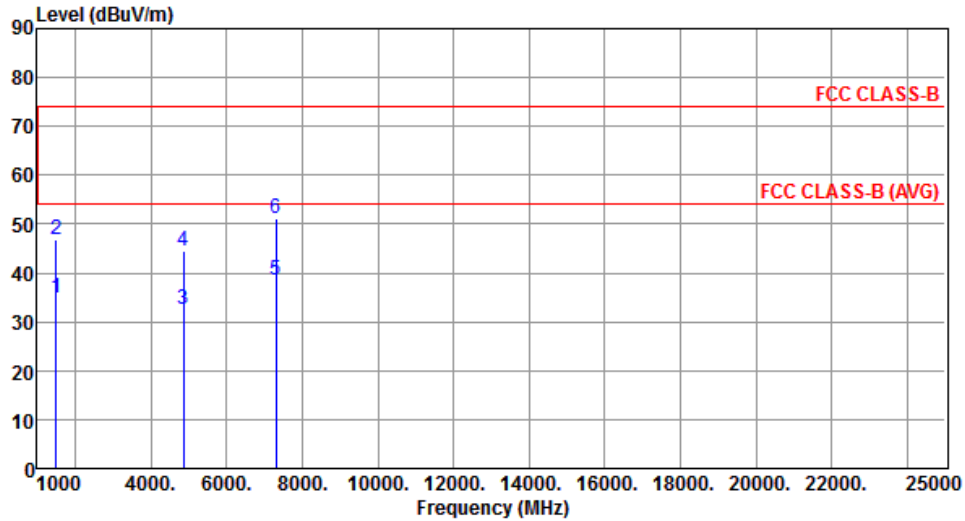
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	34.95	54.00	-19.05	38.78	-3.83	Average	---	---
2	1500.00	46.68	74.00	-27.32	50.51	-3.83	Peak	---	---
3	4874.00	32.82	54.00	-21.18	26.01	6.81	Average	---	---
4	4874.00	45.28	74.00	-28.72	38.47	6.81	Peak	---	---
5	7311.00	44.65	54.00	-9.35	33.69	10.96	Average	---	---
6	7311.00	53.63	74.00	-20.37	42.67	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2437
Polarization	Vertical	Test Configuration	2



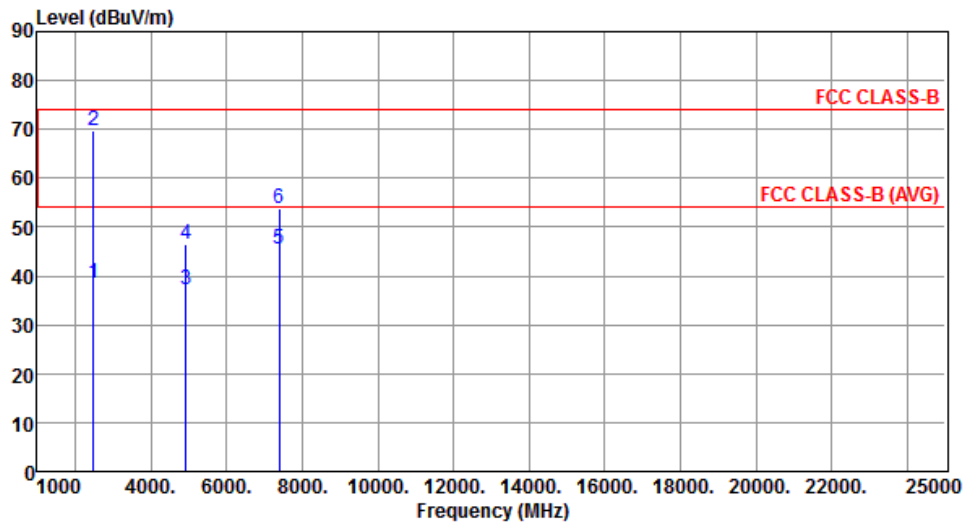
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	34.86	54.00	-19.14	38.69	-3.83	Average	---	---
2	1500.00	46.98	74.00	-27.02	50.81	-3.83	Peak	---	---
3	4874.00	32.56	54.00	-21.44	25.75	6.81	Average	---	---
4	4874.00	44.65	74.00	-29.35	37.84	6.81	Peak	---	---
5	7311.00	38.39	54.00	-15.61	27.43	10.96	Average	---	---
6	7311.00	51.18	74.00	-22.82	40.22	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2462
Polarization	Horizontal	Test Configuration	2



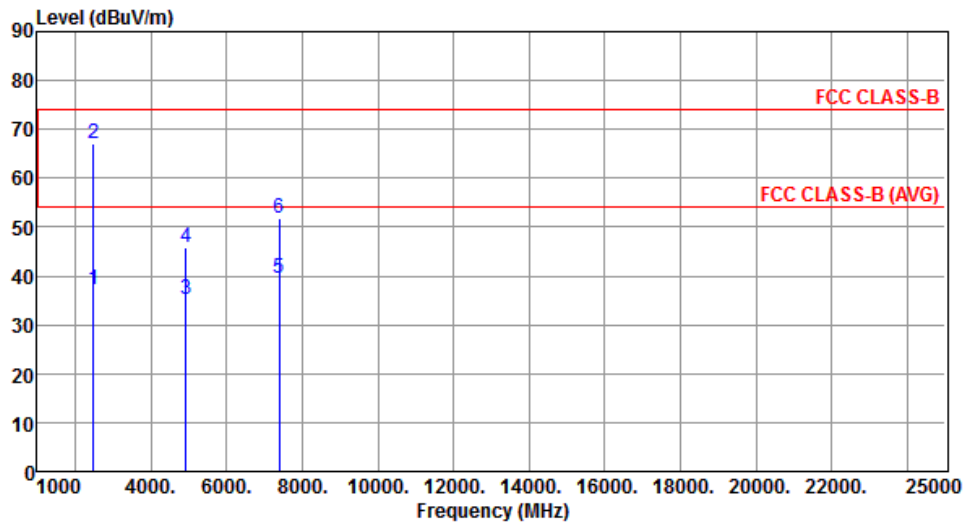
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2483.50	38.66	54.00	-15.34	39.55	-0.89	Average	---	---
2	2483.50	69.60	74.00	-4.40	70.49	-0.89	Peak	---	---
3	4924.00	37.17	54.00	-16.83	30.57	6.60	Average	---	---
4	4924.00	46.43	74.00	-27.57	39.83	6.60	Peak	---	---
5	7386.00	45.45	54.00	-8.55	34.33	11.12	Average	---	---
6	7386.00	53.87	74.00	-20.13	42.75	11.12	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2462
Polarization	Vertical	Test Configuration	2



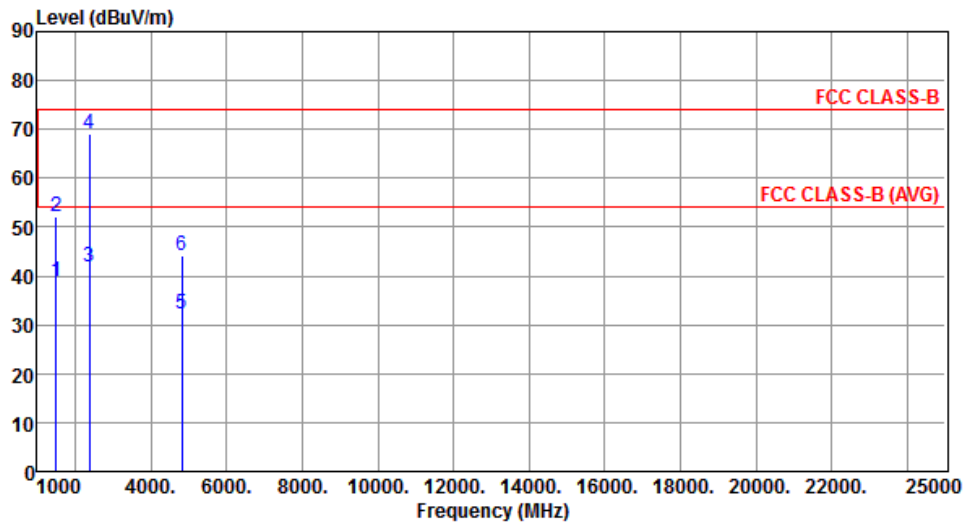
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2483.50	37.11	54.00	-16.89	38.00	-0.89	Average	---	---
2	2483.50	66.94	74.00	-7.06	67.83	-0.89	Peak	---	---
3	4924.00	35.12	54.00	-18.88	28.52	6.60	Average	---	---
4	4924.00	45.73	74.00	-28.27	39.13	6.60	Peak	---	---
5	7386.00	39.52	54.00	-14.48	28.40	11.12	Average	---	---
6	7386.00	51.89	74.00	-22.11	40.77	11.12	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Horizontal	Test Configuration	3



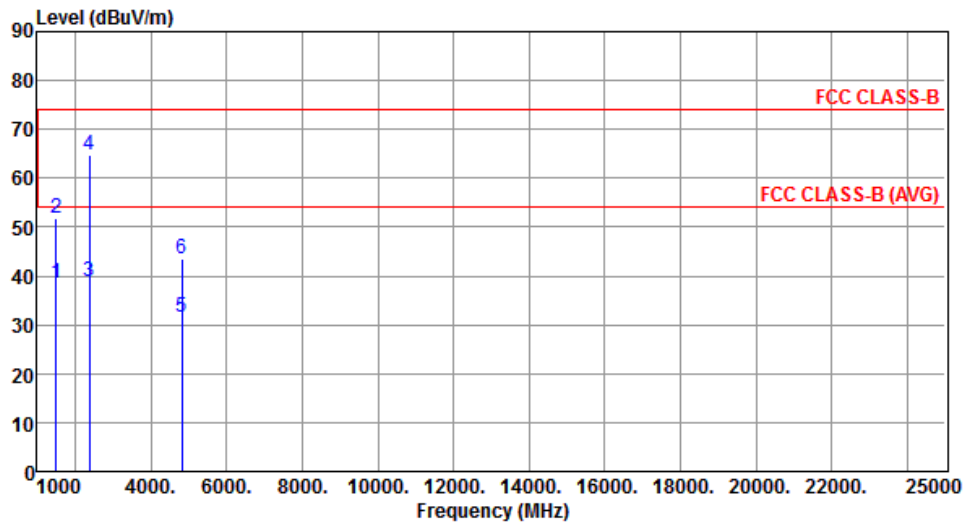
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	38.92	54.00	-15.08	42.75	-3.83	Average	---	---
2	1500.00	52.24	74.00	-21.76	56.07	-3.83	Peak	---	---
3	2390.00	41.99	54.00	-12.01	43.21	-1.22	Average	---	---
4	2390.00	69.10	74.00	-4.90	70.32	-1.22	Peak	---	---
5	4824.00	32.23	54.00	-21.77	25.22	7.01	Average	---	---
6	4824.00	44.05	74.00	-29.95	37.04	7.01	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Vertical	Test Configuration	3



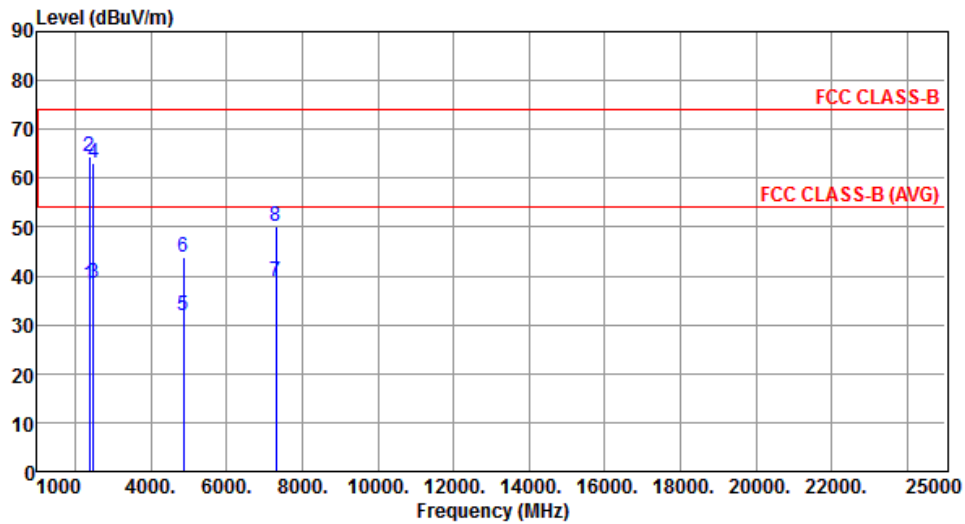
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	38.44	54.00	-15.56	42.27	-3.83	Average	---	---
2	1500.00	51.94	74.00	-22.06	55.77	-3.83	Peak	---	---
3	2390.00	38.74	54.00	-15.26	39.96	-1.22	Average	---	---
4	2390.00	64.61	74.00	-9.39	65.83	-1.22	Peak	---	---
5	4824.00	31.57	54.00	-22.43	24.56	7.01	Average	---	---
6	4824.00	43.43	74.00	-30.57	36.42	7.01	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2437
Polarization	Horizontal	Test Configuration	3



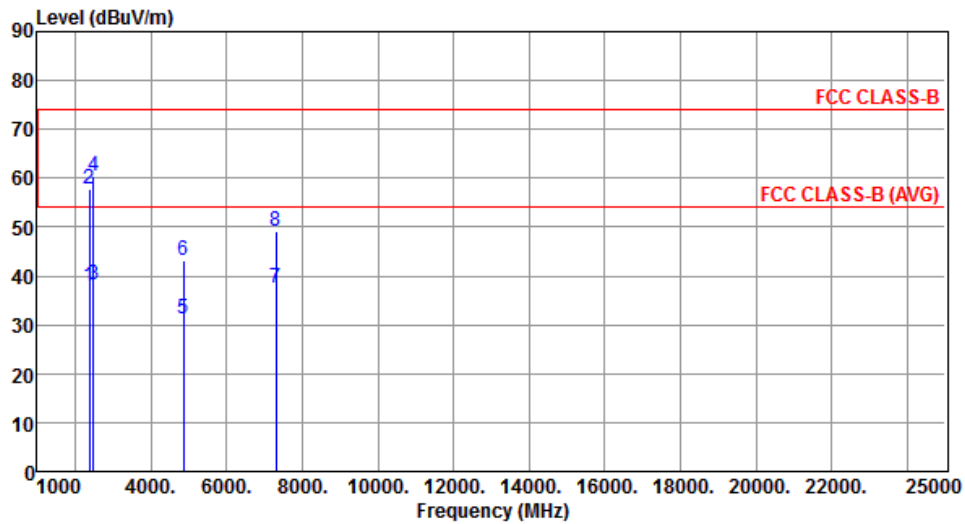
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	38.12	54.00	-15.88	39.34	-1.22	Average	---	---
2	2390.00	64.29	74.00	-9.71	65.51	-1.22	Peak	---	---
3	2483.50	38.45	54.00	-15.55	39.34	-0.89	Average	---	---
4	2483.50	63.12	74.00	-10.88	64.01	-0.89	Peak	---	---
5	4874.00	32.03	54.00	-21.97	25.22	6.81	Average	---	---
6	4874.00	43.73	74.00	-30.27	36.92	6.81	Peak	---	---
7	7311.00	38.71	54.00	-15.29	27.75	10.96	Average	---	---
8	7311.00	49.98	74.00	-24.02	39.02	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2437
Polarization	Vertical	Test Configuration	3



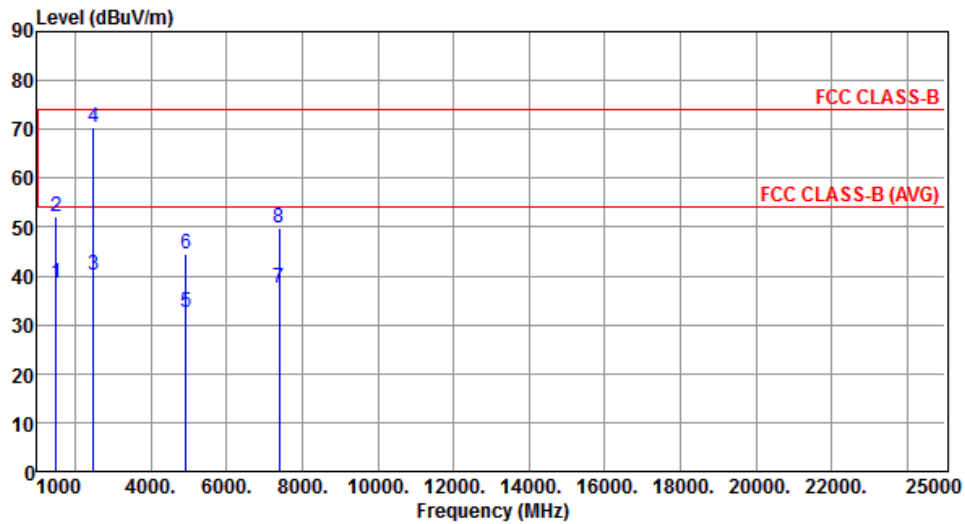
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	37.81	54.00	-16.19	39.03	-1.22	Average	---	---
2	2390.00	57.88	74.00	-16.12	59.10	-1.22	Peak	---	---
3	2483.50	38.17	54.00	-15.83	39.06	-0.89	Average	---	---
4	2483.50	60.43	74.00	-13.57	61.32	-0.89	Peak	---	---
5	4874.00	31.36	54.00	-22.64	24.55	6.81	Average	---	---
6	4874.00	43.15	74.00	-30.85	36.34	6.81	Peak	---	---
7	7311.00	37.40	54.00	-16.60	26.44	10.96	Average	---	---
8	7311.00	49.16	74.00	-24.84	38.20	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2462
Polarization	Horizontal	Test Configuration	3



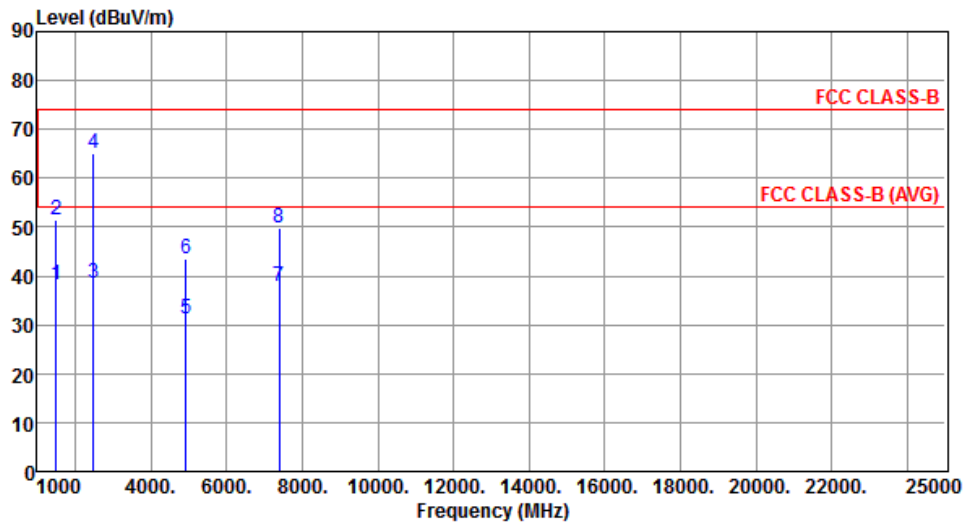
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	38.65	54.00	-15.35	42.48	-3.83	Average	---	---
2	1500.00	52.02	74.00	-21.98	55.85	-3.83	Peak	---	---
3	2483.50	40.18	54.00	-13.82	41.07	-0.89	Average	---	---
4	2483.50	70.51	74.00	-3.49	71.40	-0.89	Peak	---	---
5	4924.00	32.60	54.00	-21.40	26.00	6.60	Average	---	---
6	4924.00	44.45	74.00	-29.55	37.85	6.60	Peak	---	---
7	7386.00	37.67	54.00	-16.33	26.55	11.12	Average	---	---
8	7386.00	49.87	74.00	-24.13	38.75	11.12	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2462
Polarization	Vertical	Test Configuration	3



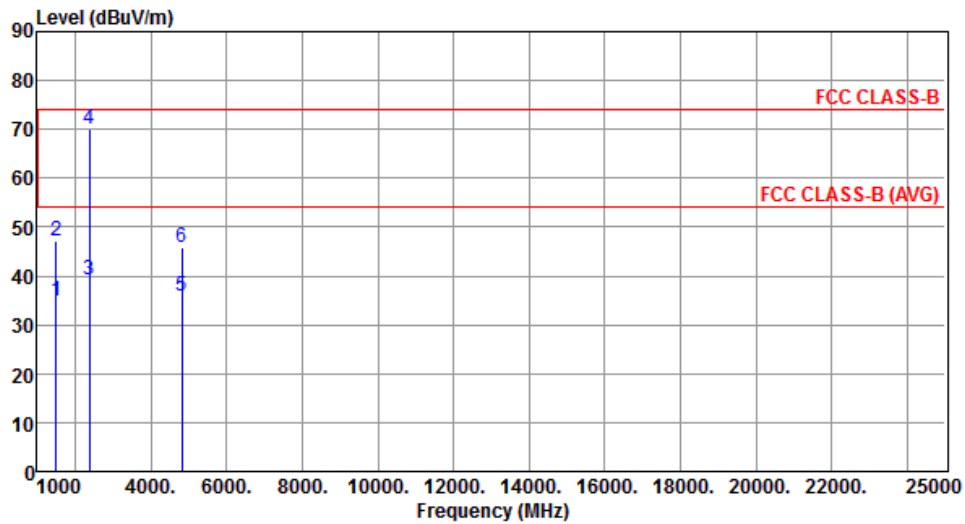
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	38.26	54.00	-15.74	42.09	-3.83	Average	---	---
2	1500.00	51.53	74.00	-22.47	55.36	-3.83	Peak	---	---
3	2483.50	38.61	54.00	-15.39	39.50	-0.89	Average	---	---
4	2483.50	65.21	74.00	-8.79	66.10	-0.89	Peak	---	---
5	4924.00	31.15	54.00	-22.85	24.55	6.60	Average	---	---
6	4924.00	43.39	74.00	-30.61	36.79	6.60	Peak	---	---
7	7386.00	37.97	54.00	-16.03	26.85	11.12	Average	---	---
8	7386.00	49.85	74.00	-24.15	38.73	11.12	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Horizontal	Test Configuration	4



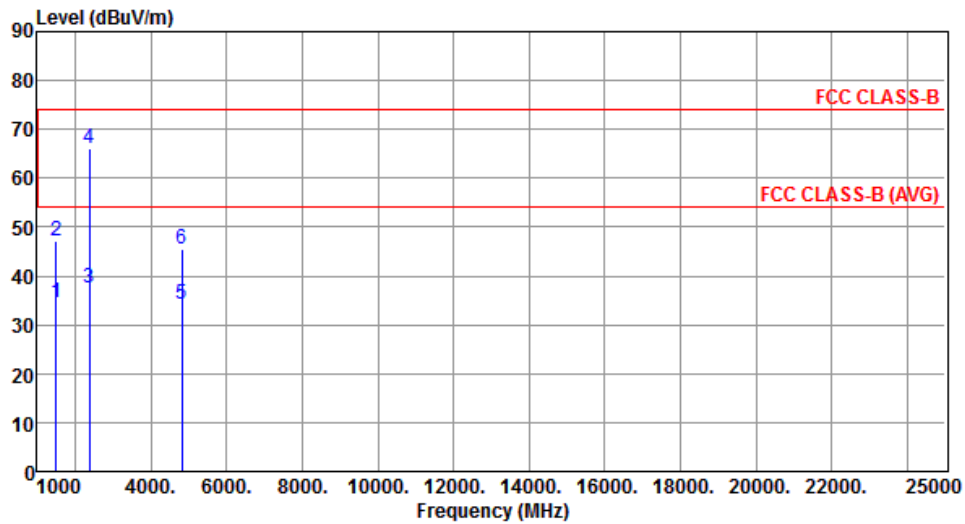
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	34.95	54.00	-19.05	38.78	-3.83	Average	---	---
2	1500.00	47.06	74.00	-26.94	50.89	-3.83	Peak	---	---
3	2390.00	39.08	54.00	-14.92	40.30	-1.22	Average	---	---
4	2390.00	70.11	74.00	-3.89	71.33	-1.22	Peak	---	---
5	4824.00	36.00	54.00	-18.00	28.99	7.01	Average	---	---
6	4824.00	45.72	74.00	-28.28	38.71	7.01	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Vertical	Test Configuration	4



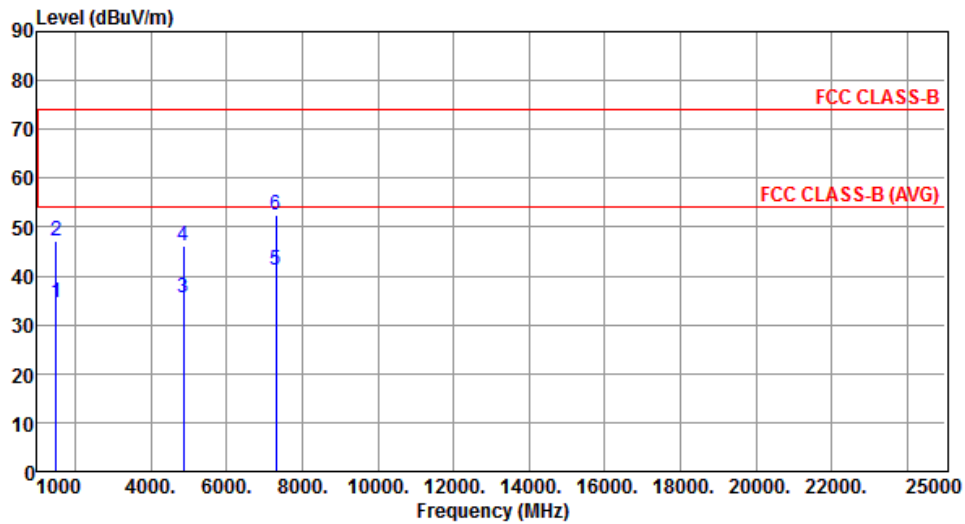
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	34.62	54.00	-19.38	38.45	-3.83	Average	---	---
2	1500.00	47.06	74.00	-26.94	50.89	-3.83	Peak	---	---
3	2390.00	37.54	54.00	-16.46	38.76	-1.22	Average	---	---
4	2390.00	66.24	74.00	-7.76	67.46	-1.22	Peak	---	---
5	4824.00	34.15	54.00	-19.85	27.14	7.01	Average	---	---
6	4824.00	45.61	74.00	-28.39	38.60	7.01	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11b	Test Freq. (MHz)	2437
Polarization	Horizontal	Test Configuration	4



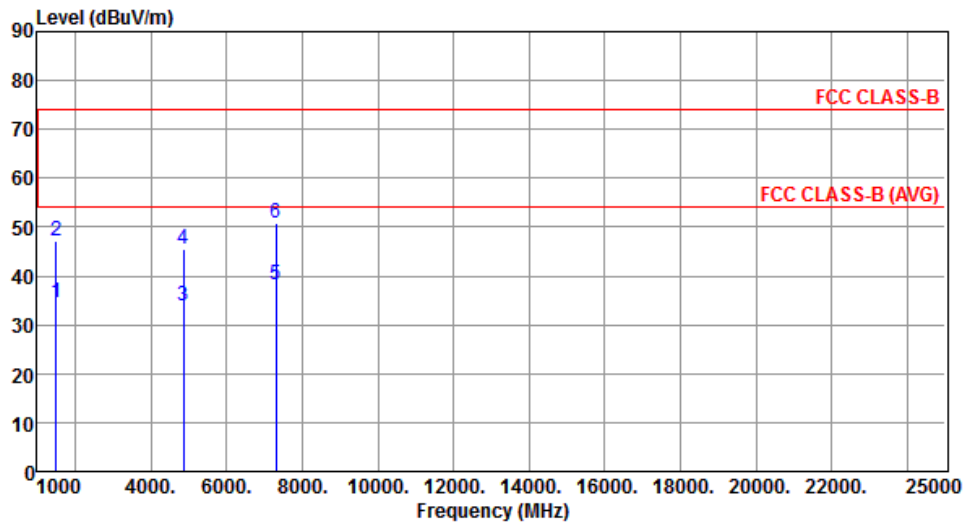
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	34.65	54.00	-19.35	38.48	-3.83	Average	---	---
2	1500.00	47.25	74.00	-26.75	51.08	-3.83	Peak	---	---
3	4874.00	35.57	54.00	-18.43	28.76	6.81	Average	---	---
4	4874.00	46.21	74.00	-27.79	39.40	6.81	Peak	---	---
5	7311.00	41.27	54.00	-12.73	30.31	10.96	Average	---	---
6	7311.00	52.57	74.00	-21.43	41.61	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2437
Polarization	Vertical	Test Configuration	4



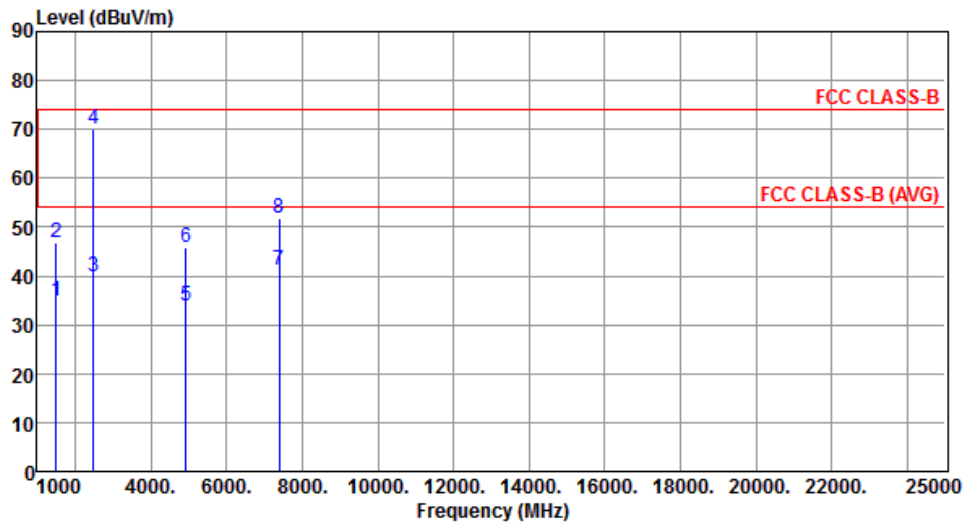
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	34.68	54.00	-19.32	38.51	-3.83	Average	---	---
2	1500.00	47.16	74.00	-26.84	50.99	-3.83	Peak	---	---
3	4874.00	33.77	54.00	-20.23	26.96	6.81	Average	---	---
4	4874.00	45.59	74.00	-28.41	38.78	6.81	Peak	---	---
5	7311.00	38.35	54.00	-15.65	27.39	10.96	Average	---	---
6	7311.00	50.74	74.00	-23.26	39.78	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2462
Polarization	Horizontal	Test Configuration	4



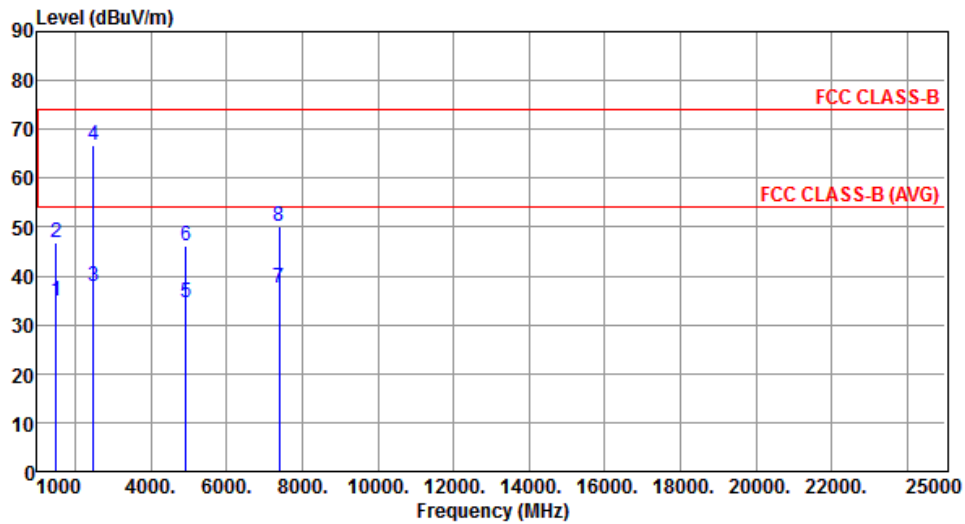
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	34.83	54.00	-19.17	38.66	-3.83	Average	---	---
2	1500.00	46.78	74.00	-27.22	50.61	-3.83	Peak	---	---
3	2483.50	39.92	54.00	-14.08	40.81	-0.89	Average	---	---
4	2483.50	70.06	74.00	-3.94	70.95	-0.89	Peak	---	---
5	4924.00	33.88	54.00	-20.12	27.28	6.60	Average	---	---
6	4924.00	45.67	74.00	-28.33	39.07	6.60	Peak	---	---
7	7386.00	41.14	54.00	-12.86	30.02	11.12	Average	---	---
8	7386.00	51.97	74.00	-22.03	40.85	11.12	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11b	Test Freq. (MHz)	2462
Polarization	Vertical	Test Configuration	4



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	34.86	54.00	-19.14	38.69	-3.83	Average	---	---
2	1500.00	46.69	74.00	-27.31	50.52	-3.83	Peak	---	---
3	2483.50	37.84	54.00	-16.16	38.73	-0.89	Average	---	---
4	2483.50	66.63	74.00	-7.37	67.52	-0.89	Peak	---	---
5	4924.00	34.67	54.00	-19.33	28.07	6.60	Average	---	---
6	4924.00	46.17	74.00	-27.83	39.57	6.60	Peak	---	---
7	7386.00	37.52	54.00	-16.48	26.40	11.12	Average	---	---
8	7386.00	50.26	74.00	-23.74	39.14	11.12	Peak	---	---

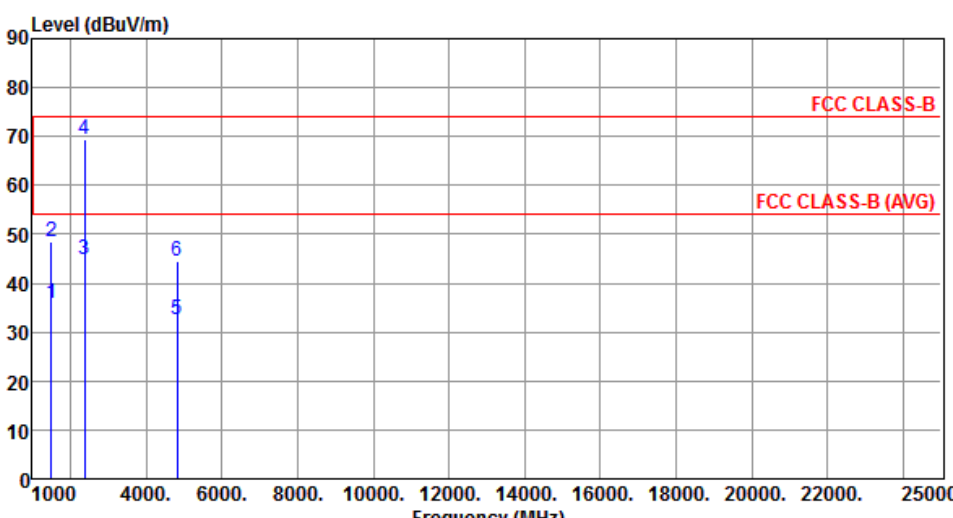
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

3.5.6 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11g

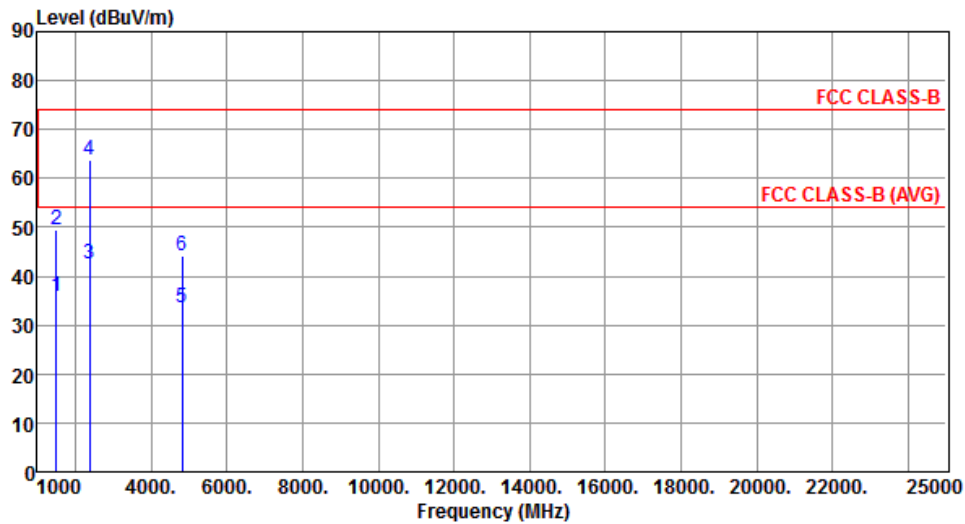
Modulation	11g	Test Freq. (MHz)	2412
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.78	54.00	-18.22	39.61	-3.83	Average	---	---
2	1500.00	48.63	74.00	-25.37	52.46	-3.83	Peak	---	---
3	2390.00	44.85	54.00	-9.15	46.07	-1.22	Average	---	---
4	2390.00	69.54	74.00	-4.46	70.76	-1.22	Peak	---	---
5	4824.00	32.56	54.00	-21.44	25.55	7.01	Average	---	---
6	4824.00	44.49	74.00	-29.51	37.48	7.01	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
 *Factor includes antenna factor , cable loss and amplifier gain
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11g	Test Freq. (MHz)	2412
Polarization	Vertical	Test Configuration	1



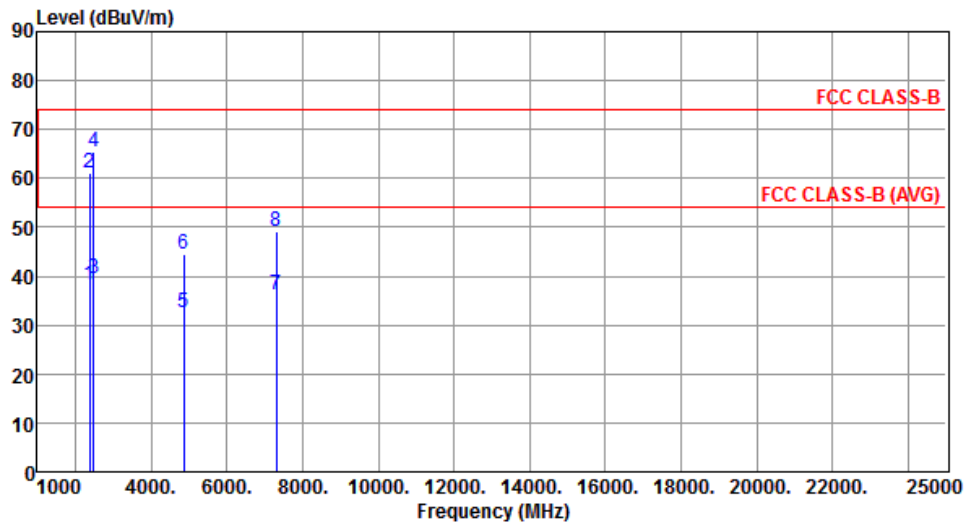
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.71	54.00	-18.29	39.54	-3.83	Average	---	---
2	1500.00	49.46	74.00	-24.54	53.29	-3.83	Peak	---	---
3	2390.00	42.59	54.00	-11.41	43.81	-1.22	Average	---	---
4	2390.00	63.88	74.00	-10.12	65.10	-1.22	Peak	---	---
5	4824.00	33.63	54.00	-20.37	26.62	7.01	Average	---	---
6	4824.00	44.28	74.00	-29.72	37.27	7.01	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11g	Test Freq. (MHz)	2437
Polarization	Horizontal	Test Configuration	1



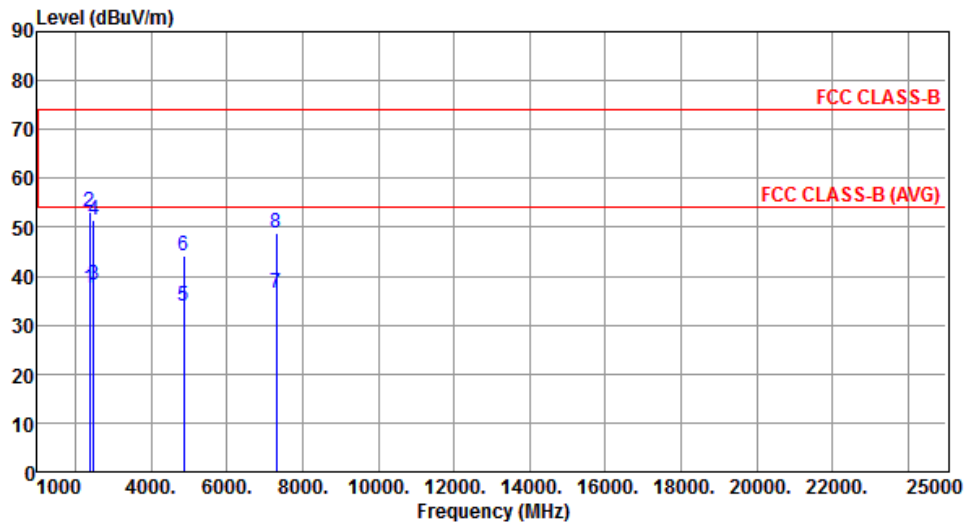
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	38.15	54.00	-15.85	39.37	-1.22	Average	---	---
2	2390.00	61.03	74.00	-12.97	62.25	-1.22	Peak	---	---
3	2483.50	39.38	54.00	-14.62	40.27	-0.89	Average	---	---
4	2483.50	65.37	74.00	-8.63	66.26	-0.89	Peak	---	---
5	4874.00	32.45	54.00	-21.55	25.64	6.81	Average	---	---
6	4874.00	44.36	74.00	-29.64	37.55	6.81	Peak	---	---
7	7311.00	36.33	54.00	-17.67	25.37	10.96	Average	---	---
8	7311.00	49.28	74.00	-24.72	38.32	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11g	Test Freq. (MHz)	2437
Polarization	Vertical	Test Configuration	1



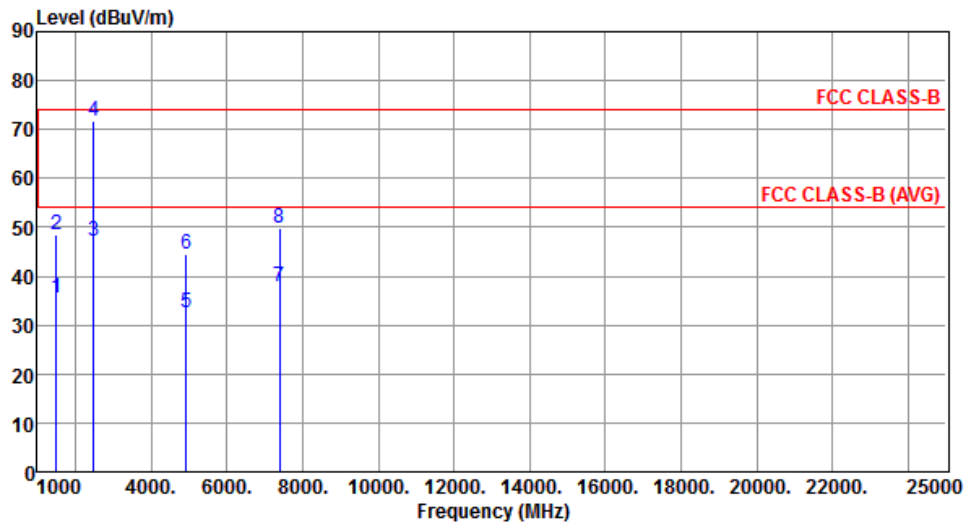
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	37.40	54.00	-16.60	38.62	-1.22	Average	---	---
2	2390.00	53.16	74.00	-20.84	54.38	-1.22	Peak	---	---
3	2483.50	38.04	54.00	-15.96	38.93	-0.89	Average	---	---
4	2483.50	51.45	74.00	-22.55	52.34	-0.89	Peak	---	---
5	4874.00	33.82	54.00	-20.18	27.01	6.81	Average	---	---
6	4874.00	44.27	74.00	-29.73	37.46	6.81	Peak	---	---
7	7311.00	36.39	54.00	-17.61	25.43	10.96	Average	---	---
8	7311.00	48.75	74.00	-25.25	37.79	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11g	Test Freq. (MHz)	2462
Polarization	Horizontal	Test Configuration	1



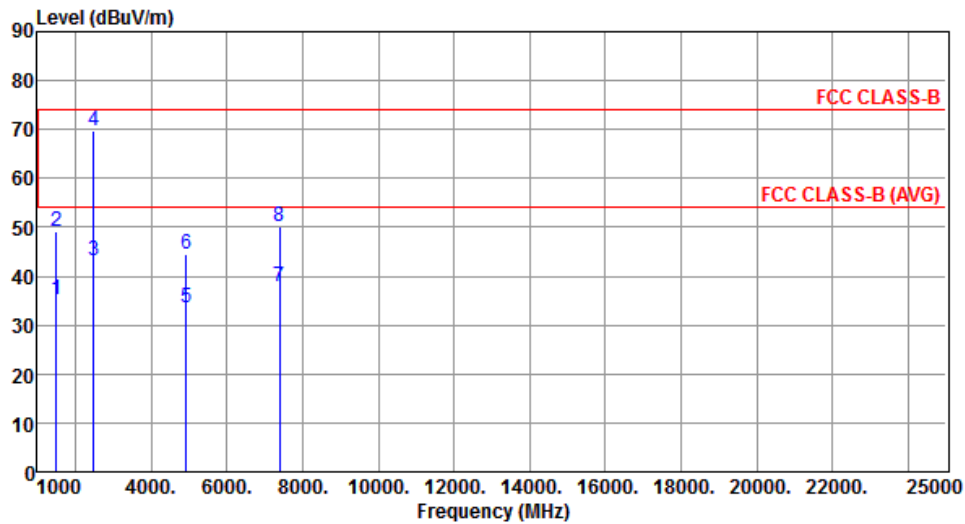
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.43	54.00	-18.57	39.26	-3.83	Average	---	---
2	1500.00	48.49	74.00	-25.51	52.32	-3.83	Peak	---	---
3	2483.50	47.20	54.00	-6.80	48.09	-0.89	Average	---	---
4	2483.50	71.61	74.00	-2.39	72.50	-0.89	Peak	---	---
5	4924.00	32.47	54.00	-21.53	25.87	6.60	Average	---	---
6	4924.00	44.60	74.00	-29.40	38.00	6.60	Peak	---	---
7	7386.00	37.70	54.00	-16.30	26.58	11.12	Average	---	---
8	7386.00	49.79	74.00	-24.21	38.67	11.12	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11g	Test Freq. (MHz)	2462
Polarization	Vertical	Test Configuration	1



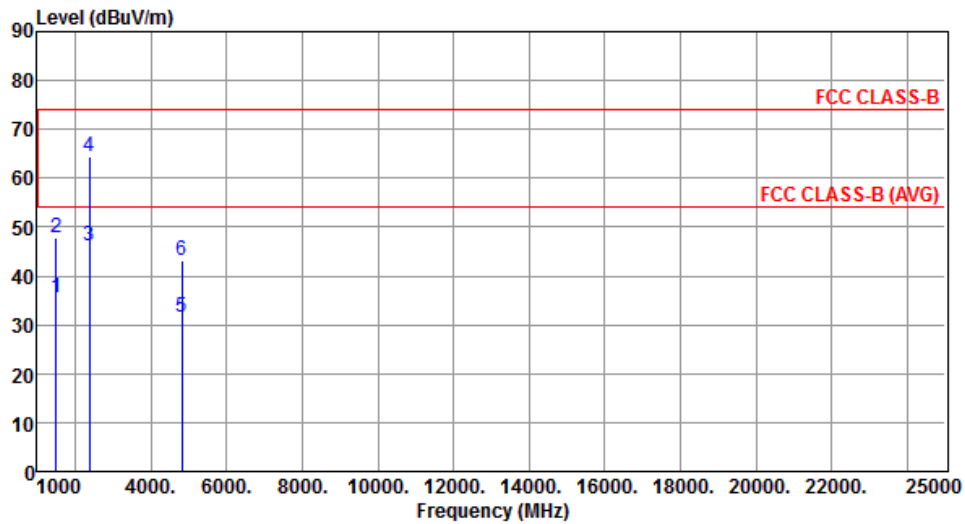
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.35	54.00	-18.65	39.18	-3.83	Average	---	---
2	1500.00	49.29	74.00	-24.71	53.12	-3.83	Peak	---	---
3	2483.50	43.19	54.00	-10.81	44.08	-0.89	Average	---	---
4	2483.50	69.61	74.00	-4.39	70.50	-0.89	Peak	---	---
5	4924.00	33.39	54.00	-20.61	26.79	6.60	Average	---	---
6	4924.00	44.57	74.00	-29.43	37.97	6.60	Peak	---	---
7	7386.00	37.97	54.00	-16.03	26.85	11.12	Average	---	---
8	7386.00	50.03	74.00	-23.97	38.91	11.12	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11g	Test Freq. (MHz)	2412
Polarization	Horizontal	Test Configuration	2



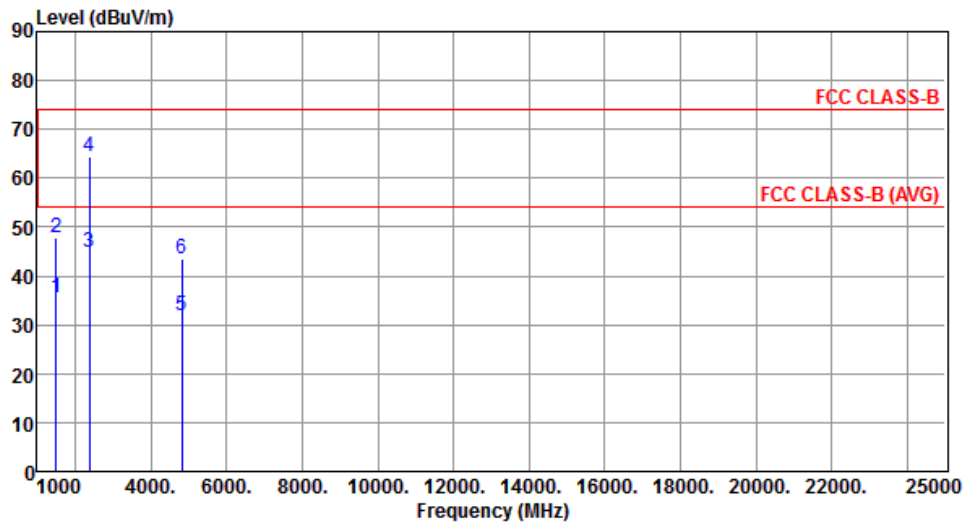
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.38	54.00	-18.62	39.21	-3.83	Average	---	---
2	1500.00	47.89	74.00	-26.11	51.72	-3.83	Peak	---	---
3	2390.00	46.11	54.00	-7.89	47.33	-1.22	Average	---	---
4	2390.00	64.52	74.00	-9.48	65.74	-1.22	Peak	---	---
5	4824.00	31.59	54.00	-22.41	24.58	7.01	Average	---	---
6	4824.00	43.28	74.00	-30.72	36.27	7.01	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11g	Test Freq. (MHz)	2412
Polarization	Vertical	Test Configuration	2



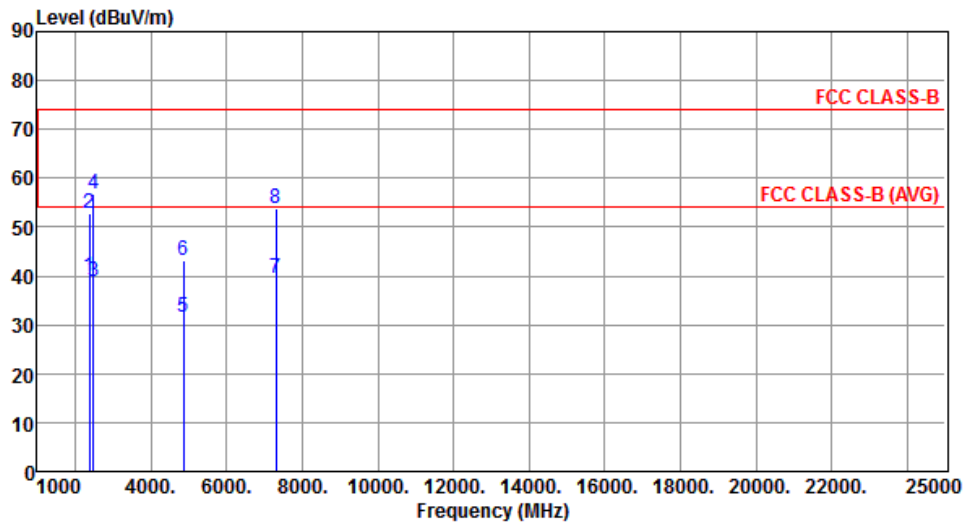
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.45	54.00	-18.55	39.28	-3.83	Average	---	---
2	1500.00	47.78	74.00	-26.22	51.61	-3.83	Peak	---	---
3	2390.00	44.93	54.00	-9.07	46.15	-1.22	Average	---	---
4	2390.00	64.45	74.00	-9.55	65.67	-1.22	Peak	---	---
5	4824.00	31.90	54.00	-22.10	24.89	7.01	Average	---	---
6	4824.00	43.52	74.00	-30.48	36.51	7.01	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11g	Test Freq. (MHz)	2437
Polarization	Horizontal	Test Configuration	2



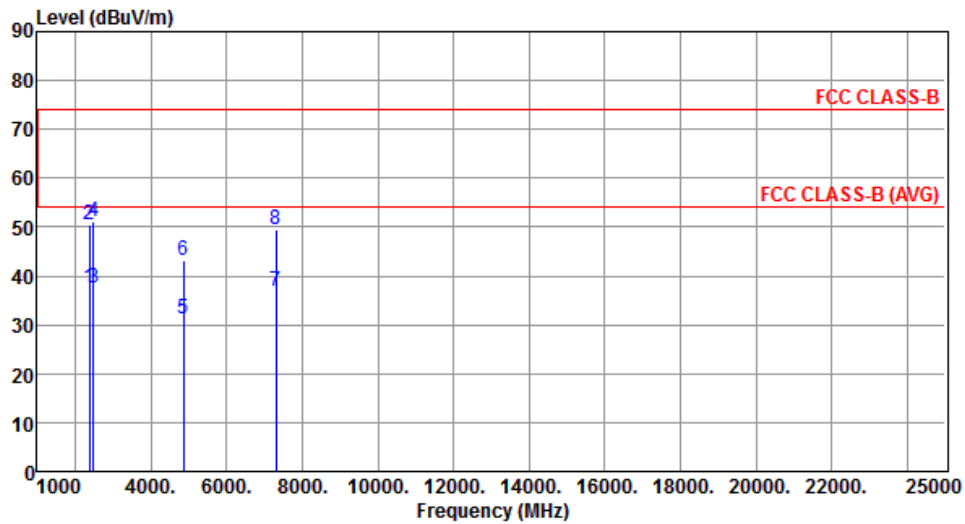
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	39.75	54.00	-14.25	40.97	-1.22	Average	---	---
2	2390.00	52.91	74.00	-21.09	54.13	-1.22	Peak	---	---
3	2483.50	38.72	54.00	-15.28	39.61	-0.89	Average	---	---
4	2483.50	56.64	74.00	-17.36	57.53	-0.89	Peak	---	---
5	4874.00	31.63	54.00	-22.37	24.82	6.81	Average	---	---
6	4874.00	43.13	74.00	-30.87	36.32	6.81	Peak	---	---
7	7311.00	39.40	54.00	-14.60	28.44	10.96	Average	---	---
8	7311.00	53.81	74.00	-20.19	42.85	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11g	Test Freq. (MHz)	2437
Polarization	Vertical	Test Configuration	2



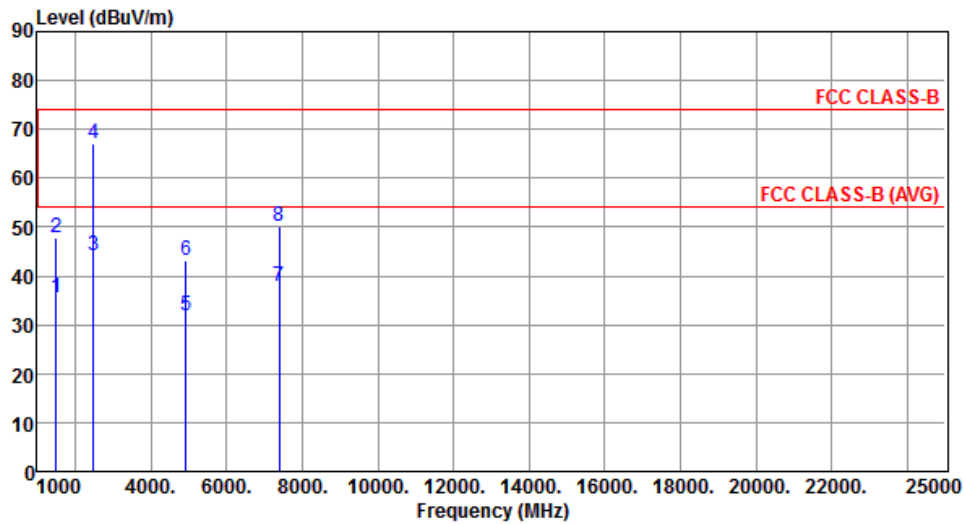
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	37.53	54.00	-16.47	38.75	-1.22	Average	---	---
2	2390.00	50.51	74.00	-23.49	51.73	-1.22	Peak	---	---
3	2483.50	37.67	54.00	-16.33	38.56	-0.89	Average	---	---
4	2483.50	51.09	74.00	-22.91	51.98	-0.89	Peak	---	---
5	4874.00	31.13	54.00	-22.87	24.32	6.81	Average	---	---
6	4874.00	43.08	74.00	-30.92	36.27	6.81	Peak	---	---
7	7311.00	36.93	54.00	-17.07	25.97	10.96	Average	---	---
8	7311.00	49.63	74.00	-24.37	38.67	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11g	Test Freq. (MHz)	2462
Polarization	Horizontal	Test Configuration	2



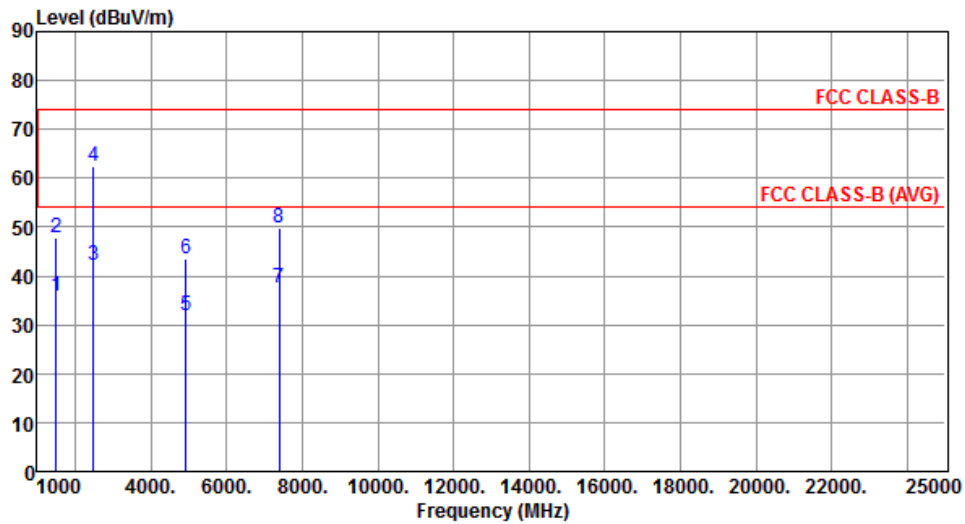
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.46	54.00	-18.54	39.29	-3.83	Average	---	---
2	1500.00	47.93	74.00	-26.07	51.76	-3.83	Peak	---	---
3	2483.50	44.22	54.00	-9.78	45.11	-0.89	Average	---	---
4	2483.50	67.17	74.00	-6.83	68.06	-0.89	Peak	---	---
5	4924.00	31.74	54.00	-22.26	25.14	6.60	Average	---	---
6	4924.00	43.32	74.00	-30.68	36.72	6.60	Peak	---	---
7	7386.00	37.69	54.00	-16.31	26.57	11.12	Average	---	---
8	7386.00	50.08	74.00	-23.92	38.96	11.12	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11g	Test Freq. (MHz)	2462
Polarization	Vertical	Test Configuration	2



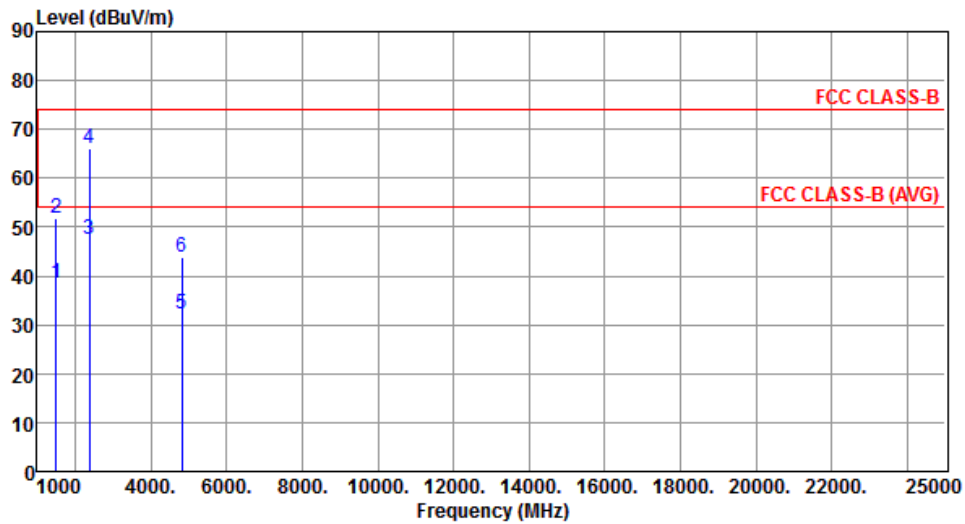
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.72	54.00	-18.28	39.55	-3.83	Average	---	---
2	1500.00	47.95	74.00	-26.05	51.78	-3.83	Peak	---	---
3	2483.50	42.20	54.00	-11.80	43.09	-0.89	Average	---	---
4	2483.50	62.36	74.00	-11.64	63.25	-0.89	Peak	---	---
5	4924.00	31.79	54.00	-22.21	25.19	6.60	Average	---	---
6	4924.00	43.57	74.00	-30.43	36.97	6.60	Peak	---	---
7	7386.00	37.54	54.00	-16.46	26.42	11.12	Average	---	---
8	7386.00	49.87	74.00	-24.13	38.75	11.12	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11g	Test Freq. (MHz)	2412
Polarization	Horizontal	Test Configuration	3



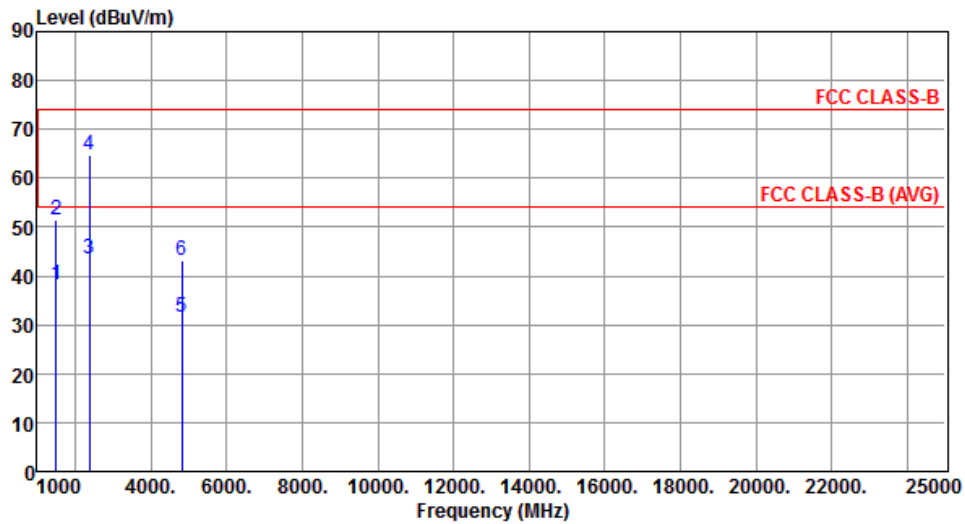
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	38.55	54.00	-15.45	42.38	-3.83	Average	---	---
2	1500.00	51.87	74.00	-22.13	55.70	-3.83	Peak	---	---
3	2390.00	47.34	54.00	-6.66	48.56	-1.22	Average	---	---
4	2390.00	66.18	74.00	-7.82	67.40	-1.22	Peak	---	---
5	4824.00	32.06	54.00	-21.94	25.05	7.01	Average	---	---
6	4824.00	43.96	74.00	-30.04	36.95	7.01	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11g	Test Freq. (MHz)	2412
Polarization	Vertical	Test Configuration	3



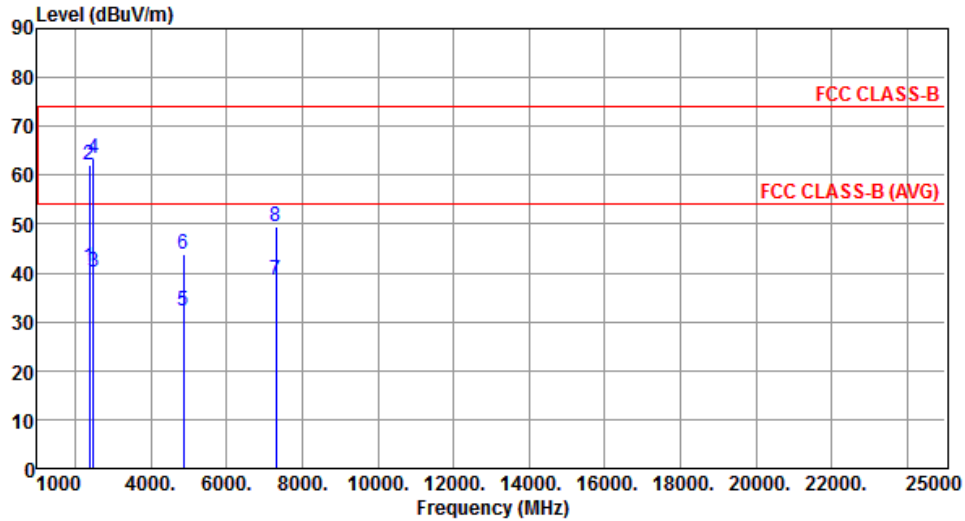
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	38.18	54.00	-15.82	42.01	-3.83	Average	---	---
2	1500.00	51.57	74.00	-22.43	55.40	-3.83	Peak	---	---
3	2390.00	43.57	54.00	-10.43	44.79	-1.22	Average	---	---
4	2390.00	64.67	74.00	-9.33	65.89	-1.22	Peak	---	---
5	4824.00	31.39	54.00	-22.61	24.38	7.01	Average	---	---
6	4824.00	43.22	74.00	-30.78	36.21	7.01	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11g	Test Freq. (MHz)	2437
Polarization	Horizontal	Test Configuration	3



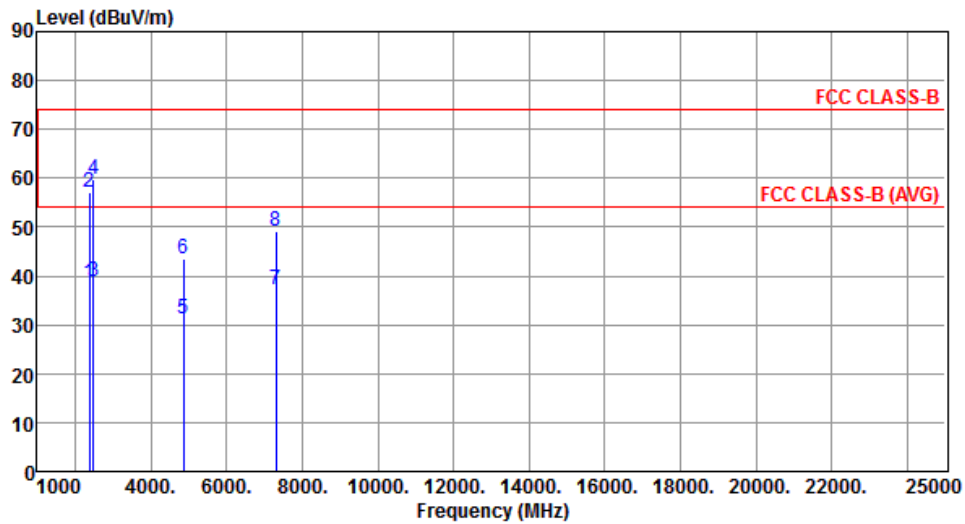
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	41.29	54.00	-12.71	42.51	-1.22	Average	---	---
2	2390.00	62.02	74.00	-11.98	63.24	-1.22	Peak	---	---
3	2483.50	40.19	54.00	-13.81	41.08	-0.89	Average	---	---
4	2483.50	63.38	74.00	-10.62	64.27	-0.89	Peak	---	---
5	4874.00	32.23	54.00	-21.77	25.42	6.81	Average	---	---
6	4874.00	43.89	74.00	-30.11	37.08	6.81	Peak	---	---
7	7311.00	38.42	54.00	-15.58	27.46	10.96	Average	---	---
8	7311.00	49.45	74.00	-24.55	38.49	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11g	Test Freq. (MHz)	2437
Polarization	Vertical	Test Configuration	3



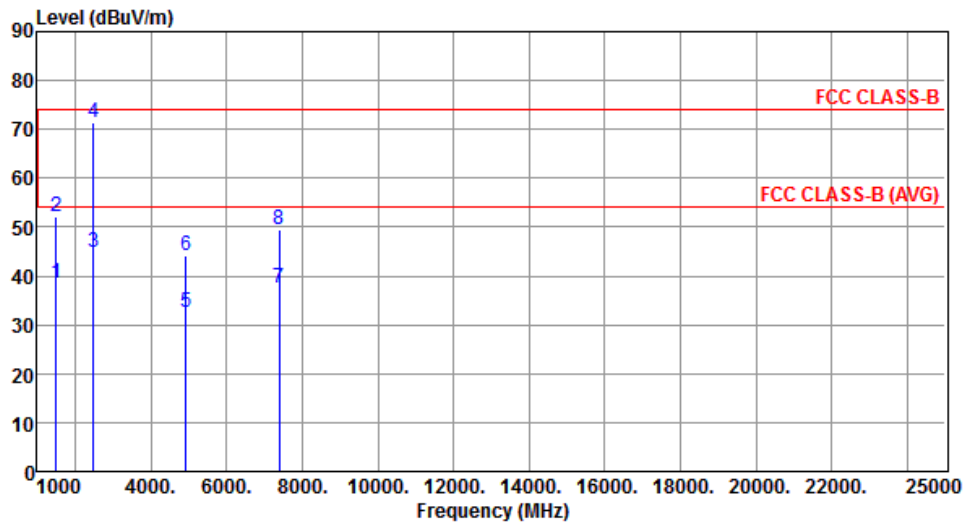
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	38.63	54.00	-15.37	39.85	-1.22	Average	---	---
2	2390.00	57.28	74.00	-16.72	58.50	-1.22	Peak	---	---
3	2483.50	38.95	54.00	-15.05	39.84	-0.89	Average	---	---
4	2483.50	59.85	74.00	-14.15	60.74	-0.89	Peak	---	---
5	4874.00	31.16	54.00	-22.84	24.35	6.81	Average	---	---
6	4874.00	43.39	74.00	-30.61	36.58	6.81	Peak	---	---
7	7311.00	37.05	54.00	-16.95	26.09	10.96	Average	---	---
8	7311.00	49.02	74.00	-24.98	38.06	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11g	Test Freq. (MHz)	2462
Polarization	Horizontal	Test Configuration	3



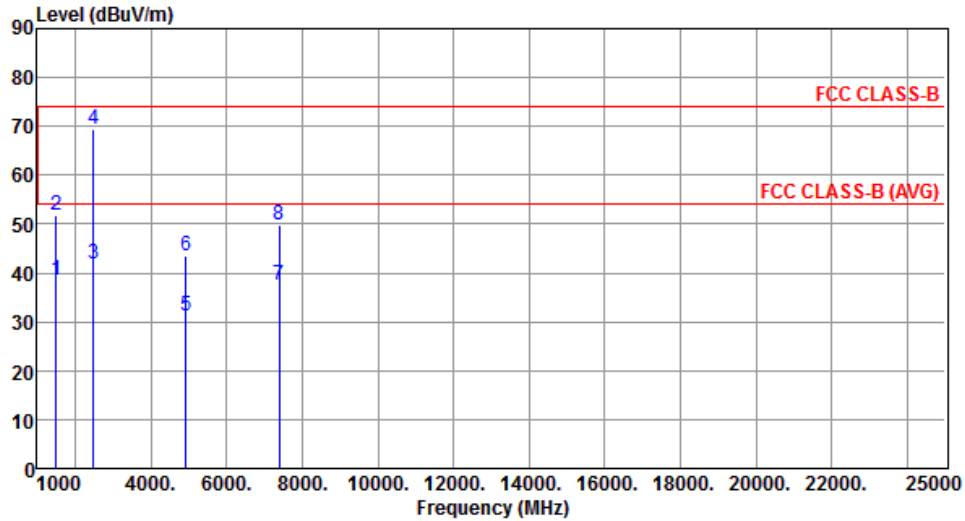
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	38.69	54.00	-15.31	42.52	-3.83	Average	---	---
2	1500.00	52.26	74.00	-21.74	56.09	-3.83	Peak	---	---
3	2483.50	44.73	54.00	-9.27	45.62	-0.89	Average	---	---
4	2483.50	71.50	74.00	-2.50	72.39	-0.89	Peak	---	---
5	4924.00	32.43	54.00	-21.57	25.83	6.60	Average	---	---
6	4924.00	44.28	74.00	-29.72	37.68	6.60	Peak	---	---
7	7386.00	37.54	54.00	-16.46	26.42	11.12	Average	---	---
8	7386.00	49.64	74.00	-24.36	38.52	11.12	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11g	Test Freq. (MHz)	2462
Polarization	Vertical	Test Configuration	3



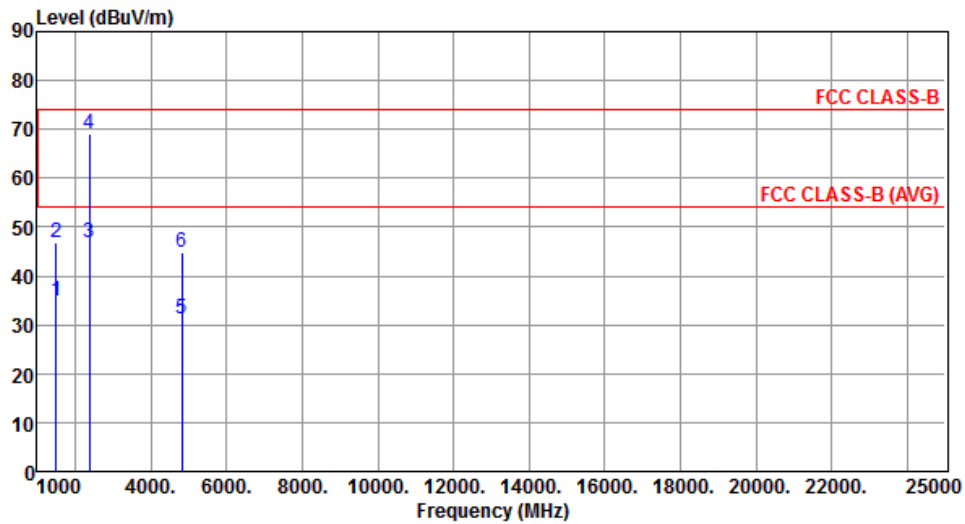
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	38.53	54.00	-15.47	42.36	-3.83	Average	---	---
2	1500.00	51.82	74.00	-22.18	55.65	-3.83	Peak	---	---
3	2483.50	41.82	54.00	-12.18	42.71	-0.89	Average	---	---
4	2483.50	69.25	74.00	-4.75	70.14	-0.89	Peak	---	---
5	4924.00	31.36	54.00	-22.64	24.76	6.60	Average	---	---
6	4924.00	43.52	74.00	-30.48	36.92	6.60	Peak	---	---
7	7386.00	37.54	54.00	-16.46	26.42	11.12	Average	---	---
8	7386.00	49.75	74.00	-24.25	38.63	11.12	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11g	Test Freq. (MHz)	2412
Polarization	Horizontal	Test Configuration	4



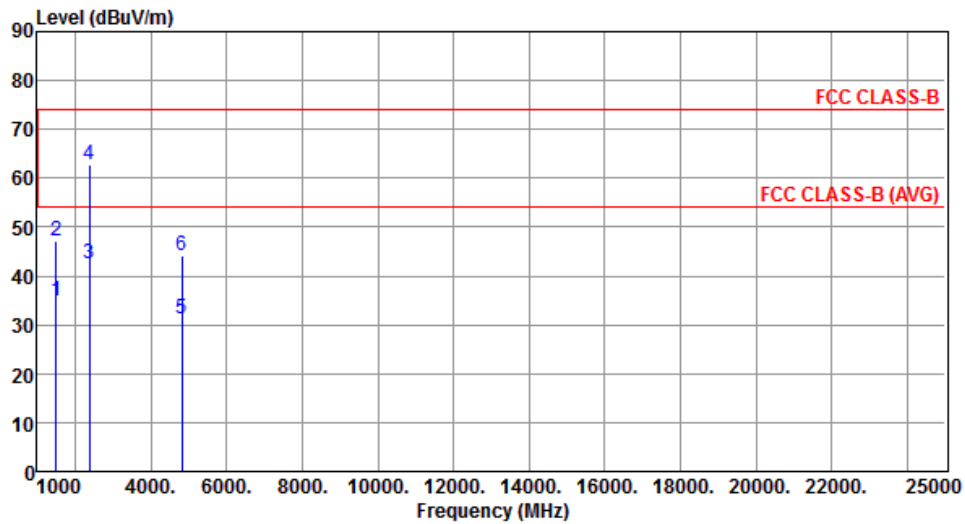
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	34.85	54.00	-19.15	38.68	-3.83	Average	---	---
2	1500.00	46.98	74.00	-27.02	50.81	-3.83	Peak	---	---
3	2390.00	46.87	54.00	-7.13	48.09	-1.22	Average	---	---
4	2390.00	69.23	74.00	-4.77	70.45	-1.22	Peak	---	---
5	4824.00	31.38	54.00	-22.62	24.37	7.01	Average	---	---
6	4824.00	44.70	74.00	-29.30	37.69	7.01	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11g	Test Freq. (MHz)	2412
Polarization	Vertical	Test Configuration	4



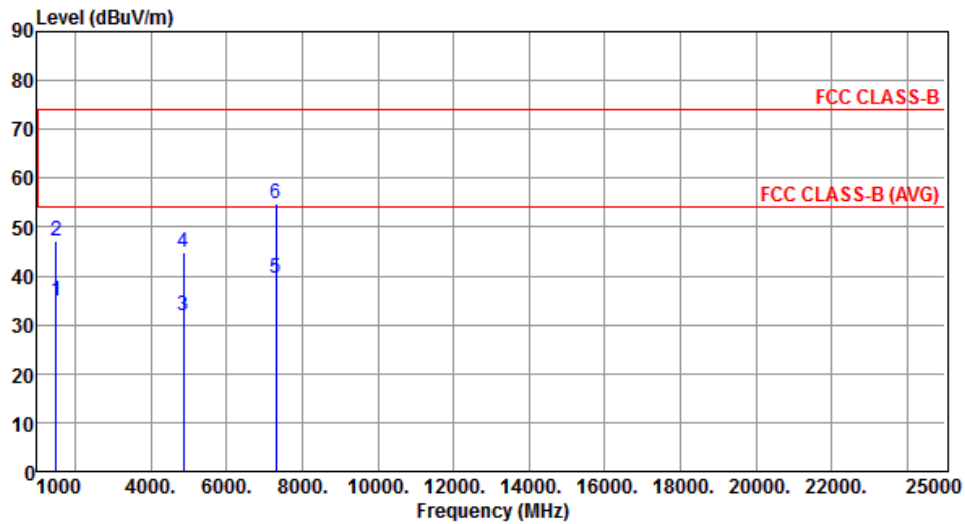
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	34.93	54.00	-19.07	38.76	-3.83	Average	---	---
2	1500.00	47.32	74.00	-26.68	51.15	-3.83	Peak	---	---
3	2390.00	42.40	54.00	-11.60	43.62	-1.22	Average	---	---
4	2390.00	62.92	74.00	-11.08	64.14	-1.22	Peak	---	---
5	4824.00	31.32	54.00	-22.68	24.31	7.01	Average	---	---
6	4824.00	44.31	74.00	-29.69	37.30	7.01	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11g	Test Freq. (MHz)	2437
Polarization	Horizontal	Test Configuration	4



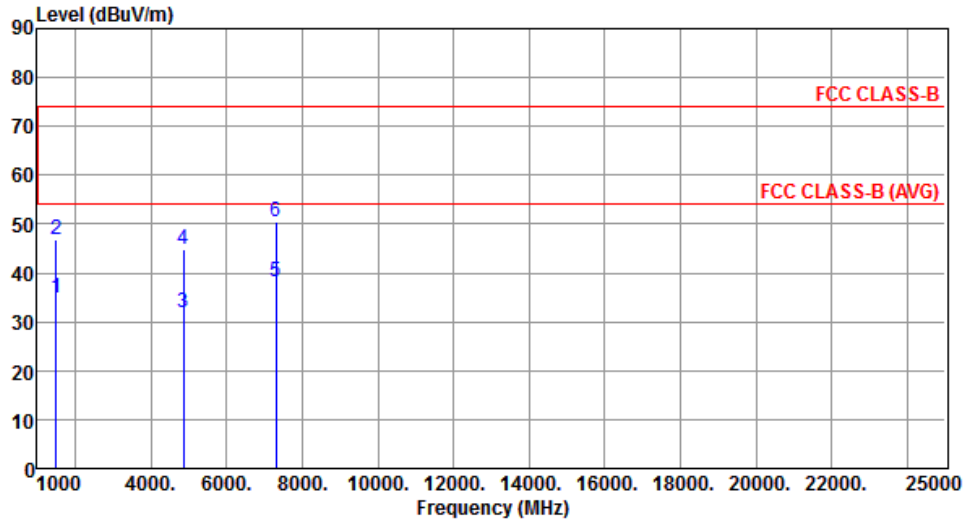
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	34.84	54.00	-19.16	38.67	-3.83	Average	---	---
2	1500.00	47.06	74.00	-26.94	50.89	-3.83	Peak	---	---
3	4874.00	31.88	54.00	-22.12	25.07	6.81	Average	---	---
4	4874.00	44.92	74.00	-29.08	38.11	6.81	Peak	---	---
5	7311.00	39.62	54.00	-14.38	28.66	10.96	Average	---	---
6	7311.00	54.83	74.00	-19.17	43.87	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11g	Test Freq. (MHz)	2437
Polarization	Vertical	Test Configuration	4



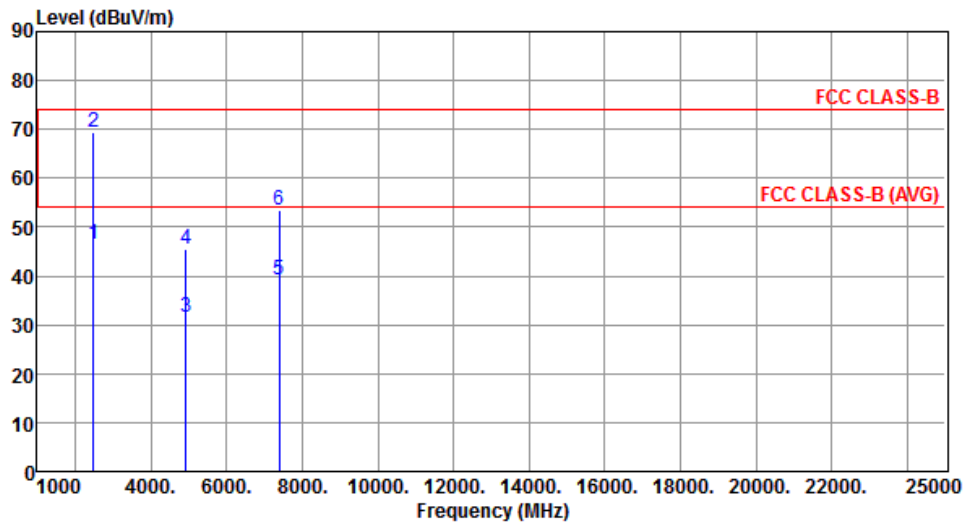
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	34.90	54.00	-19.10	38.73	-3.83	Average	---	---
2	1500.00	46.98	74.00	-27.02	50.81	-3.83	Peak	---	---
3	4874.00	31.92	54.00	-22.08	25.11	6.81	Average	---	---
4	4874.00	44.73	74.00	-29.27	37.92	6.81	Peak	---	---
5	7311.00	38.16	54.00	-15.84	27.20	10.96	Average	---	---
6	7311.00	50.63	74.00	-23.37	39.67	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11g	Test Freq. (MHz)	2462
Polarization	Horizontal	Test Configuration	4



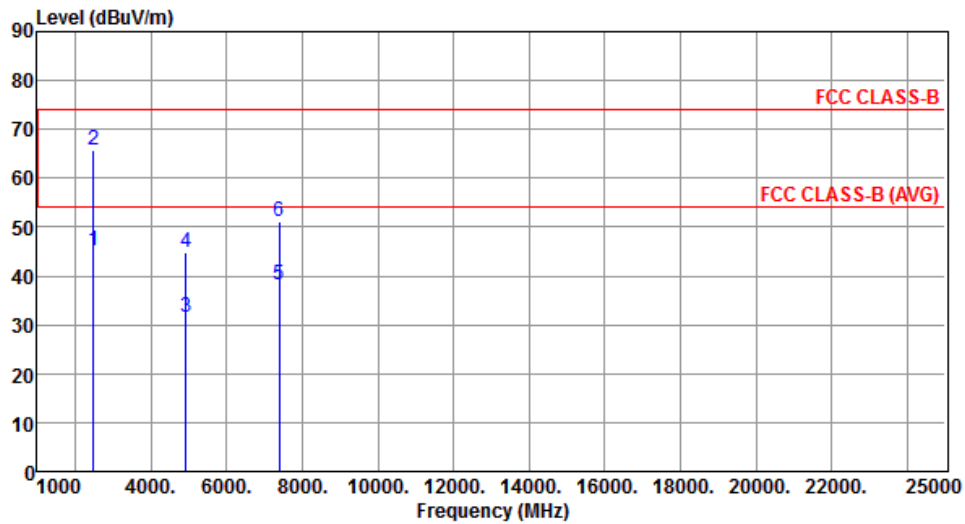
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2483.50	46.65	54.00	-7.35	47.54	-0.89	Average	---	---
2	2483.50	69.34	74.00	-4.66	70.23	-0.89	Peak	---	---
3	4924.00	31.65	54.00	-22.35	25.05	6.60	Average	---	---
4	4924.00	45.46	74.00	-28.54	38.86	6.60	Peak	---	---
5	7386.00	39.28	54.00	-14.72	28.16	11.12	Average	---	---
6	7386.00	53.42	74.00	-20.58	42.30	11.12	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	11g	Test Freq. (MHz)	2462
Polarization	Vertical	Test Configuration	4



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2483.50	45.11	54.00	-8.89	46.00	-0.89	Average	---	---
2	2483.50	65.65	74.00	-8.35	66.54	-0.89	Peak	---	---
3	4924.00	31.53	54.00	-22.47	24.93	6.60	Average	---	---
4	4924.00	44.93	74.00	-29.07	38.33	6.60	Peak	---	---
5	7386.00	38.22	54.00	-15.78	27.10	11.12	Average	---	---
6	7386.00	51.23	74.00	-22.77	40.11	11.12	Peak	---	---

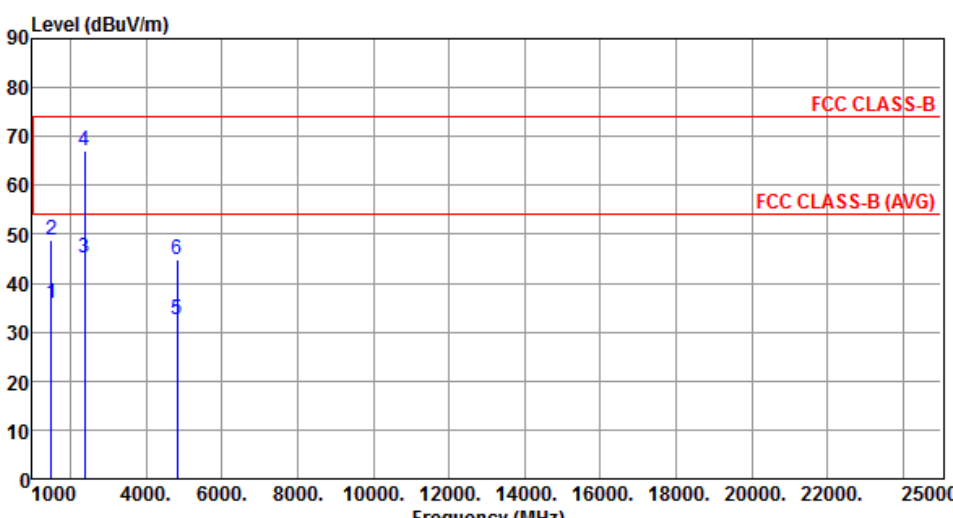
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

3.5.7 Transmitter Radiated Unwanted Emissions (Above 1GHz) for HT20

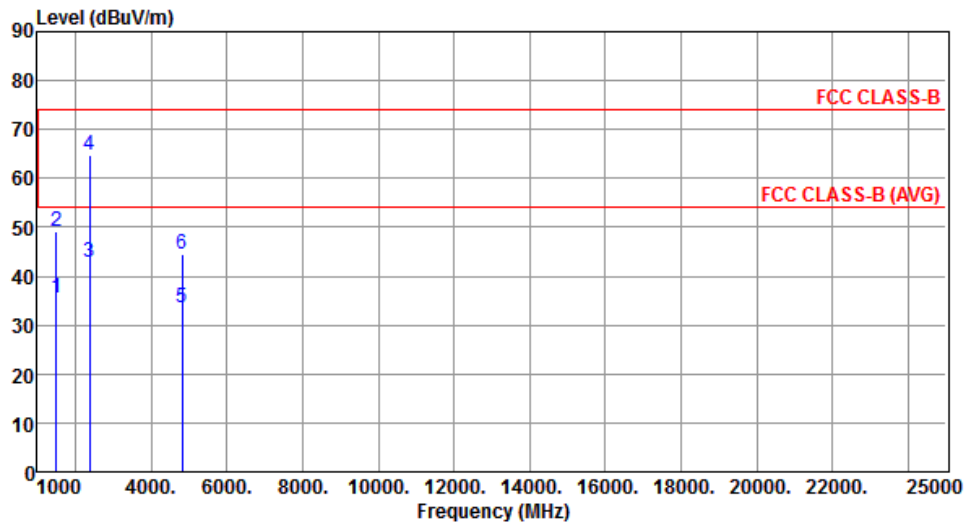
Modulation	HT20	Test Freq. (MHz)	2412
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.96	54.00	-18.04	39.79	-3.83	Average	---	---
2	1500.00	48.78	74.00	-25.22	52.61	-3.83	Peak	---	---
3	2390.00	45.17	54.00	-8.83	46.39	-1.22	Average	---	---
4	2390.00	66.97	74.00	-7.03	68.19	-1.22	Peak	---	---
5	4824.00	32.69	54.00	-21.31	25.68	7.01	Average	---	---
6	4824.00	44.71	74.00	-29.29	37.70	7.01	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
 *Factor includes antenna factor , cable loss and amplifier gain
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	HT20	Test Freq. (MHz)	2412
Polarization	Vertical	Test Configuration	1



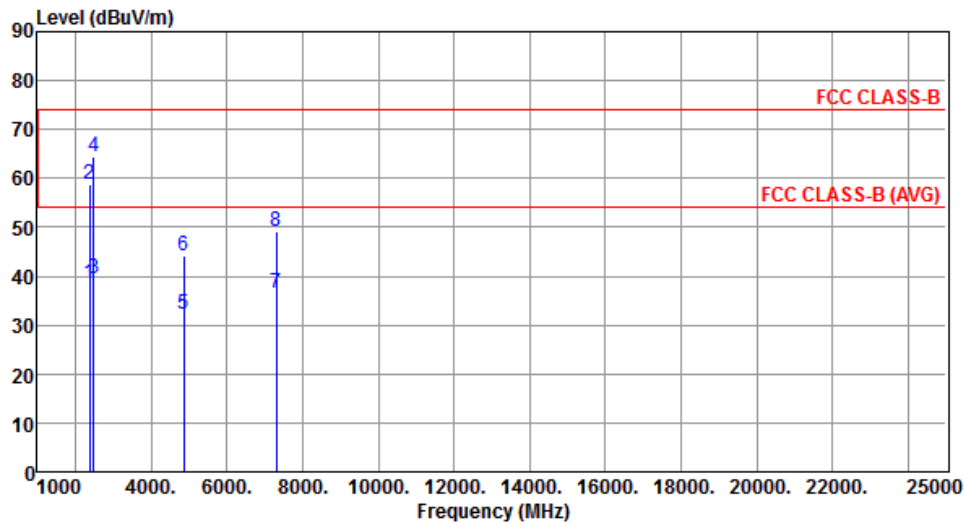
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.65	54.00	-18.35	39.48	-3.83	Average	---	---
2	1500.00	49.26	74.00	-24.74	53.09	-3.83	Peak	---	---
3	2390.00	42.88	54.00	-11.12	44.10	-1.22	Average	---	---
4	2390.00	64.75	74.00	-9.25	65.97	-1.22	Peak	---	---
5	4824.00	33.45	54.00	-20.55	26.44	7.01	Average	---	---
6	4824.00	44.39	74.00	-29.61	37.38	7.01	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	HT20	Test Freq. (MHz)	2437
Polarization	Horizontal	Test Configuration	1



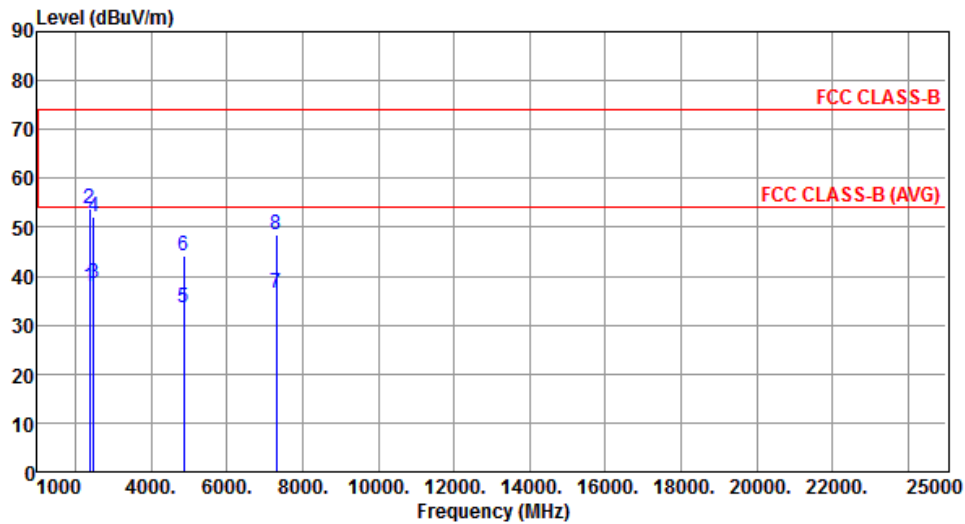
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	38.40	54.00	-15.60	39.62	-1.22	Average	---	---
2	2390.00	58.93	74.00	-15.07	60.15	-1.22	Peak	---	---
3	2483.50	39.44	54.00	-14.56	40.33	-0.89	Average	---	---
4	2483.50	64.31	74.00	-9.69	65.20	-0.89	Peak	---	---
5	4874.00	32.19	54.00	-21.81	25.38	6.81	Average	---	---
6	4874.00	44.25	74.00	-29.75	37.44	6.81	Peak	---	---
7	7311.00	36.58	54.00	-17.42	25.62	10.96	Average	---	---
8	7311.00	49.08	74.00	-24.92	38.12	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	HT20	Test Freq. (MHz)	2437
Polarization	Vertical	Test Configuration	1



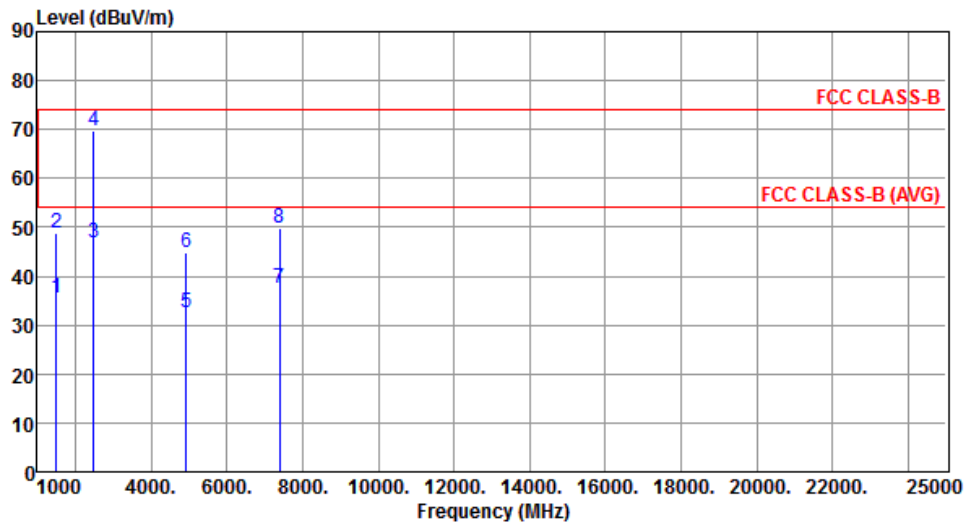
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	37.88	54.00	-16.12	39.10	-1.22	Average	---	---
2	2390.00	53.74	74.00	-20.26	54.96	-1.22	Peak	---	---
3	2483.50	38.36	54.00	-15.64	39.25	-0.89	Average	---	---
4	2483.50	52.03	74.00	-21.97	52.92	-0.89	Peak	---	---
5	4874.00	33.54	54.00	-20.46	26.73	6.81	Average	---	---
6	4874.00	44.18	74.00	-29.82	37.37	6.81	Peak	---	---
7	7311.00	36.39	54.00	-17.61	25.43	10.96	Average	---	---
8	7311.00	48.35	74.00	-25.65	37.39	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	HT20	Test Freq. (MHz)	2462
Polarization	Horizontal	Test Configuration	1



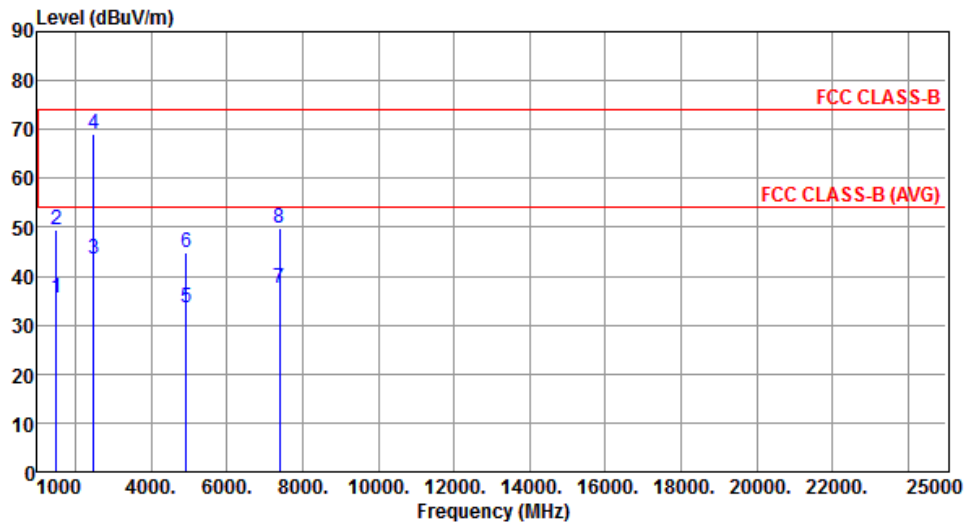
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.58	54.00	-18.42	39.41	-3.83	Average	---	---
2	1500.00	48.96	74.00	-25.04	52.79	-3.83	Peak	---	---
3	2483.50	46.98	54.00	-7.02	47.87	-0.89	Average	---	---
4	2483.50	69.91	74.00	-4.09	70.80	-0.89	Peak	---	---
5	4924.00	32.66	54.00	-21.34	26.06	6.60	Average	---	---
6	4924.00	44.75	74.00	-29.25	38.15	6.60	Peak	---	---
7	7386.00	37.51	54.00	-16.49	26.39	11.12	Average	---	---
8	7386.00	49.74	74.00	-24.26	38.62	11.12	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	HT20	Test Freq. (MHz)	2462
Polarization	Vertical	Test Configuration	1



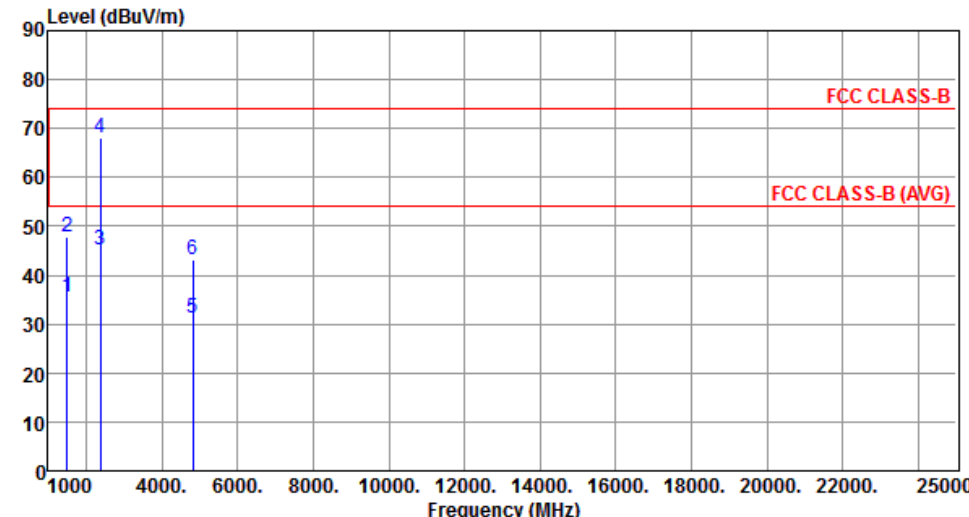
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.61	54.00	-18.39	39.44	-3.83	Average	---	---
2	1500.00	49.52	74.00	-24.48	53.35	-3.83	Peak	---	---
3	2483.50	43.56	54.00	-10.44	44.45	-0.89	Average	---	---
4	2483.50	68.98	74.00	-5.02	69.87	-0.89	Peak	---	---
5	4924.00	33.47	54.00	-20.53	26.87	6.60	Average	---	---
6	4924.00	44.91	74.00	-29.09	38.31	6.60	Peak	---	---
7	7386.00	37.56	54.00	-16.44	26.44	11.12	Average	---	---
8	7386.00	49.81	74.00	-24.19	38.69	11.12	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

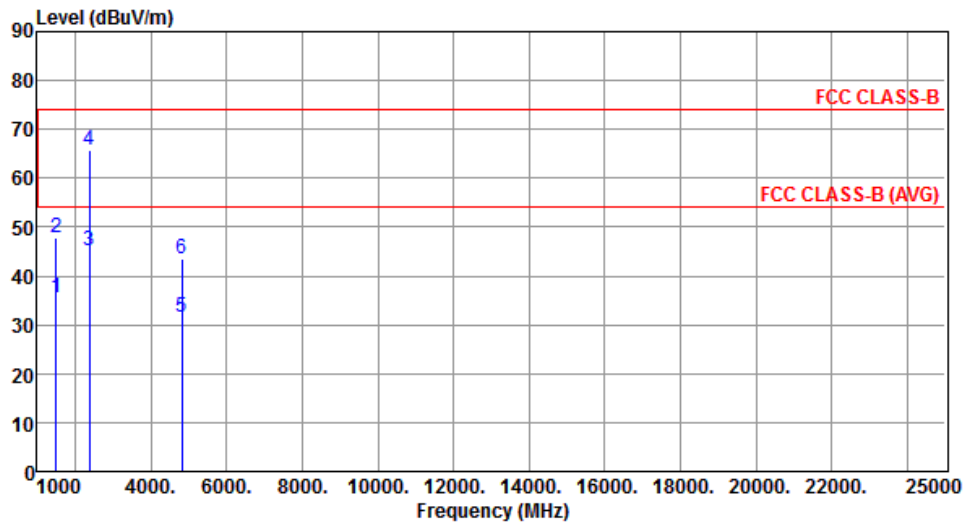
Modulation	HT20	Test Freq. (MHz)	2412
Polarization	Horizontal	Test Configuration	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.44	54.00	-18.56	39.27	-3.83	Average	---	---
2	1500.00	47.81	74.00	-26.19	51.64	-3.83	Peak	---	---
3	2390.00	45.24	54.00	-8.76	46.46	-1.22	Average	---	---
4	2390.00	68.08	74.00	-5.92	69.30	-1.22	Peak	---	---
5	4824.00	31.36	54.00	-22.64	24.35	7.01	Average	---	---
6	4824.00	43.25	74.00	-30.75	36.24	7.01	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	HT20	Test Freq. (MHz)	2412
Polarization	Vertical	Test Configuration	2



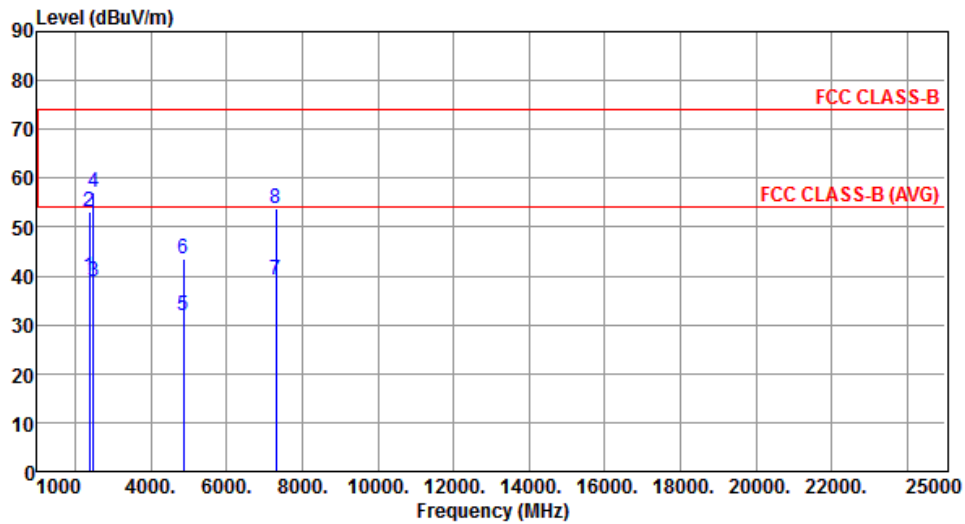
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.63	54.00	-18.37	39.46	-3.83	Average	---	---
2	1500.00	47.89	74.00	-26.11	51.72	-3.83	Peak	---	---
3	2390.00	45.26	54.00	-8.74	46.48	-1.22	Average	---	---
4	2390.00	65.75	74.00	-8.25	66.97	-1.22	Peak	---	---
5	4824.00	31.69	54.00	-22.31	24.68	7.01	Average	---	---
6	4824.00	43.64	74.00	-30.36	36.63	7.01	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	HT20	Test Freq. (MHz)	2437
Polarization	Horizontal	Test Configuration	2



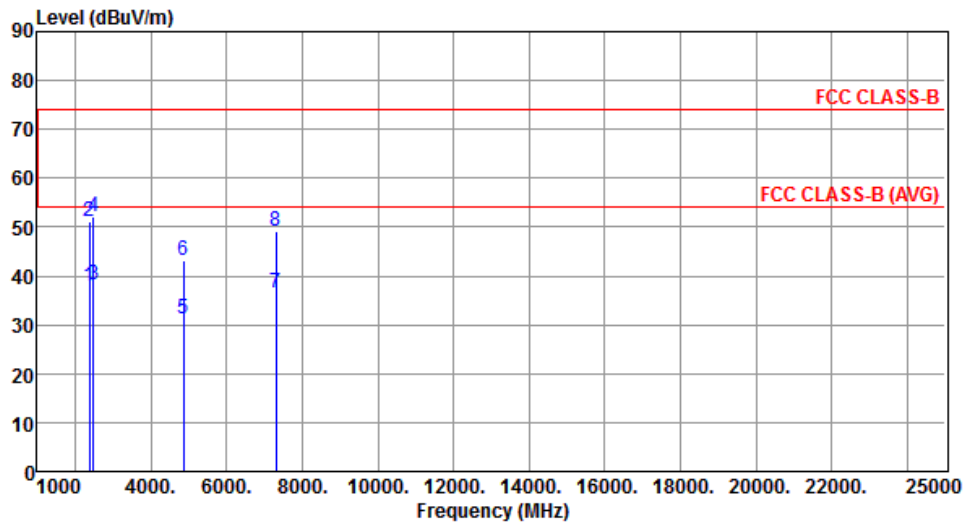
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	39.97	54.00	-14.03	41.19	-1.22	Average	---	---
2	2390.00	53.15	74.00	-20.85	54.37	-1.22	Peak	---	---
3	2483.50	38.88	54.00	-15.12	39.77	-0.89	Average	---	---
4	2483.50	56.98	74.00	-17.02	57.87	-0.89	Peak	---	---
5	4874.00	31.88	54.00	-22.12	25.07	6.81	Average	---	---
6	4874.00	43.37	74.00	-30.63	36.56	6.81	Peak	---	---
7	7311.00	39.35	54.00	-14.65	28.39	10.96	Average	---	---
8	7311.00	53.64	74.00	-20.36	42.68	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	HT20	Test Freq. (MHz)	2437
Polarization	Vertical	Test Configuration	2



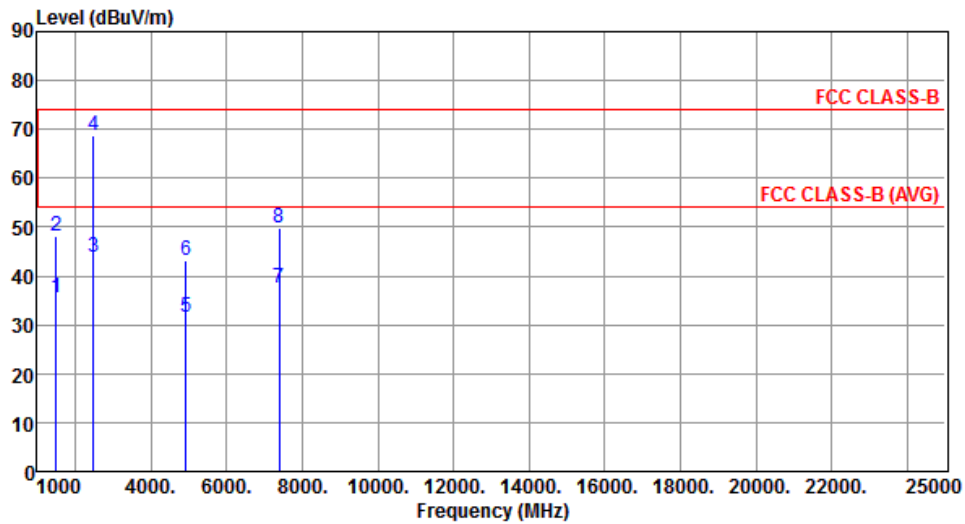
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	37.95	54.00	-16.05	39.17	-1.22	Average	---	---
2	2390.00	51.15	74.00	-22.85	52.37	-1.22	Peak	---	---
3	2483.50	38.15	54.00	-15.85	39.04	-0.89	Average	---	---
4	2483.50	52.02	74.00	-21.98	52.91	-0.89	Peak	---	---
5	4874.00	31.30	54.00	-22.70	24.49	6.81	Average	---	---
6	4874.00	43.28	74.00	-30.72	36.47	6.81	Peak	---	---
7	7311.00	36.55	54.00	-17.45	25.59	10.96	Average	---	---
8	7311.00	49.31	74.00	-24.69	38.35	10.96	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	HT20	Test Freq. (MHz)	2462
Polarization	Horizontal	Test Configuration	2



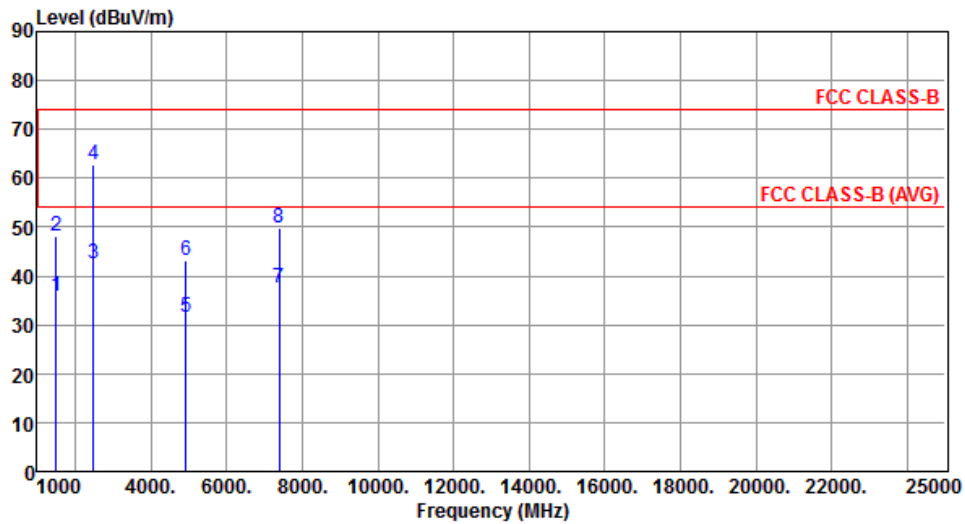
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.58	54.00	-18.42	39.41	-3.83	Average	---	---
2	1500.00	48.12	74.00	-25.88	51.95	-3.83	Peak	---	---
3	2483.50	43.85	54.00	-10.15	44.74	-0.89	Average	---	---
4	2483.50	68.77	74.00	-5.23	69.66	-0.89	Peak	---	---
5	4924.00	31.45	54.00	-22.55	24.85	6.60	Average	---	---
6	4924.00	43.12	74.00	-30.88	36.52	6.60	Peak	---	---
7	7386.00	37.52	54.00	-16.48	26.40	11.12	Average	---	---
8	7386.00	49.77	74.00	-24.23	38.65	11.12	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	HT20	Test Freq. (MHz)	2462
Polarization	Vertical	Test Configuration	2



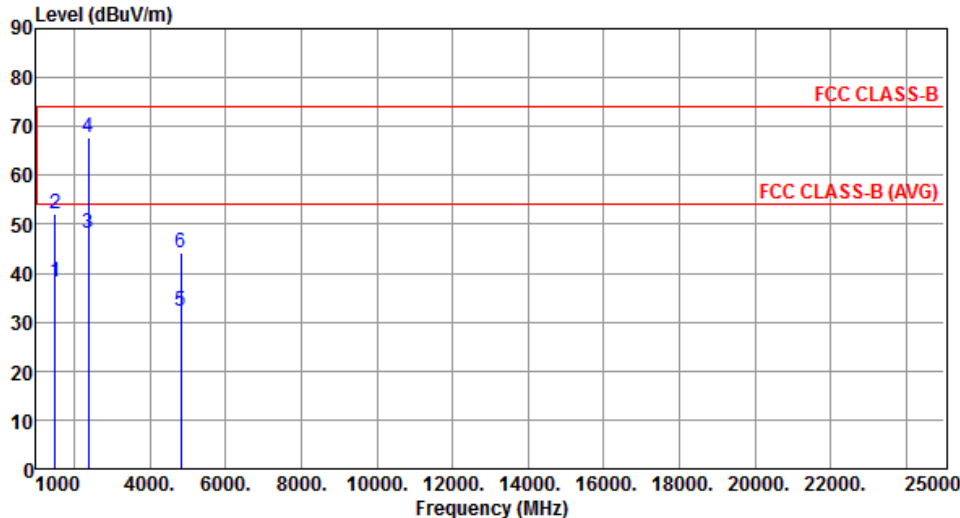
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	35.88	54.00	-18.12	39.71	-3.83	Average	---	---
2	1500.00	48.16	74.00	-25.84	51.99	-3.83	Peak	---	---
3	2483.50	42.53	54.00	-11.47	43.42	-0.89	Average	---	---
4	2483.50	62.88	74.00	-11.12	63.77	-0.89	Peak	---	---
5	4924.00	31.63	54.00	-22.37	25.03	6.60	Average	---	---
6	4924.00	43.22	74.00	-30.78	36.62	6.60	Peak	---	---
7	7386.00	37.66	54.00	-16.34	26.54	11.12	Average	---	---
8	7386.00	49.73	74.00	-24.27	38.61	11.12	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

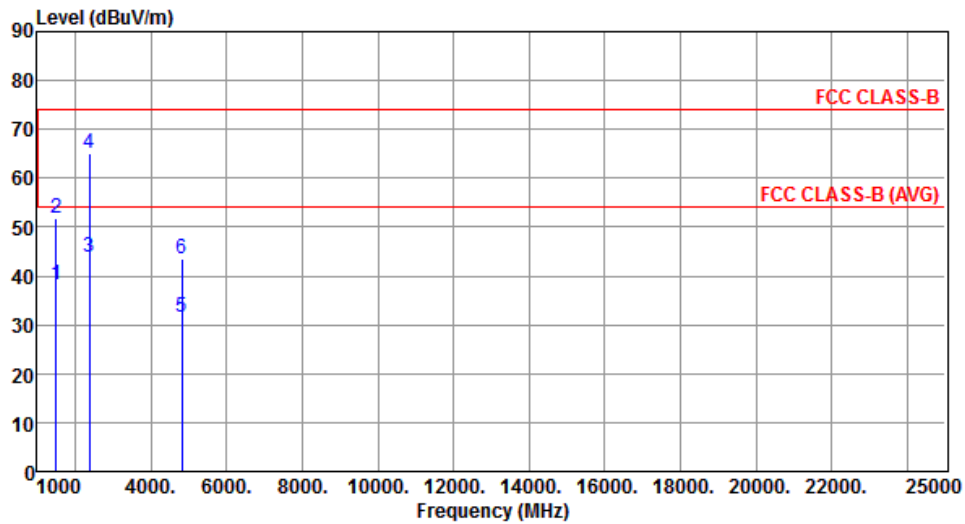
Modulation	HT20	Test Freq. (MHz)	2412
Polarization	Horizontal	Test Configuration	3



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	38.26	54.00	-15.74	42.09	-3.83	Average	---	---
2	1500.00	52.03	74.00	-21.97	55.86	-3.83	Peak	---	---
3	2390.00	48.25	54.00	-5.75	49.47	-1.22	Average	---	---
4	2390.00	67.70	74.00	-6.30	68.92	-1.22	Peak	---	---
5	4824.00	32.29	54.00	-21.71	25.28	7.01	Average	---	---
6	4824.00	44.15	74.00	-29.85	37.14	7.01	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)
 *Factor includes antenna factor , cable loss and amplifier gain
 Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	HT20	Test Freq. (MHz)	2412
Polarization	Vertical	Test Configuration	3



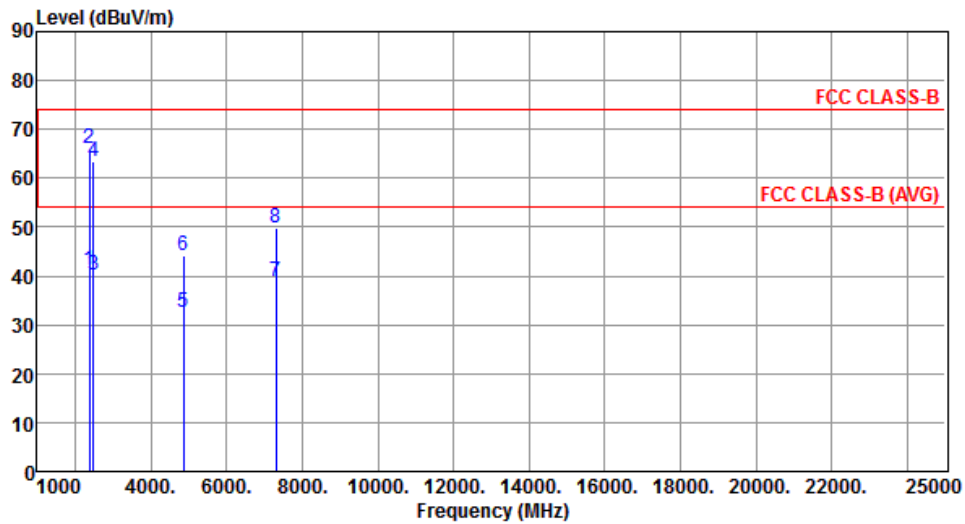
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	38.33	54.00	-15.67	42.16	-3.83	Average	---	---
2	1500.00	51.82	74.00	-22.18	55.65	-3.83	Peak	---	---
3	2390.00	43.96	54.00	-10.04	45.18	-1.22	Average	---	---
4	2390.00	65.14	74.00	-8.86	66.36	-1.22	Peak	---	---
5	4824.00	31.61	54.00	-22.39	24.60	7.01	Average	---	---
6	4824.00	43.43	74.00	-30.57	36.42	7.01	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	HT20	Test Freq. (MHz)	2437
Polarization	Horizontal	Test Configuration	3



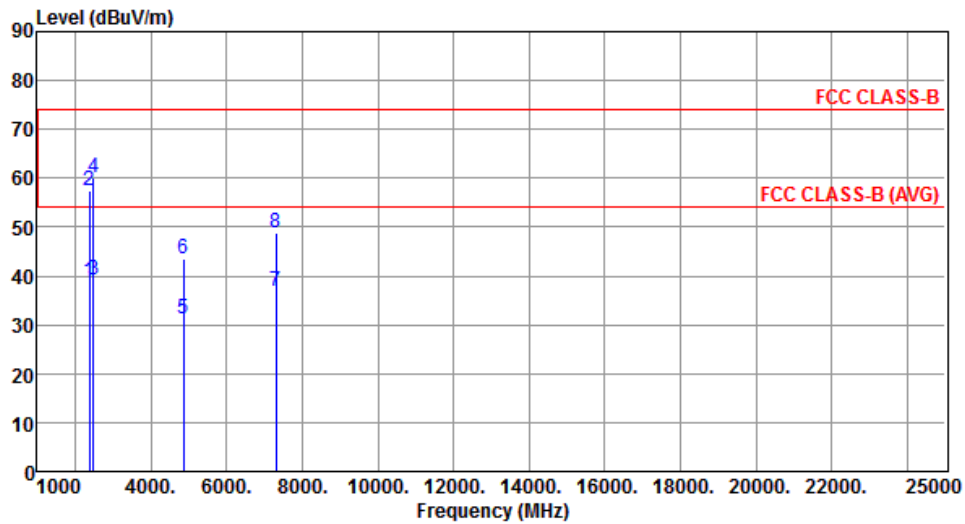
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	41.09	54.00	-12.91	42.31	-1.22	Average	---	---
2	2390.00	65.96	74.00	-8.04	67.18	-1.22	Peak	---	---
3	2483.50	40.23	54.00	-13.77	41.12	-0.89	Average	---	---
4	2483.50	63.54	74.00	-10.46	64.43	-0.89	Peak	---	---
5	4874.00	32.63	54.00	-21.37	25.82	6.81	Average	---	---
6	4874.00	44.05	74.00	-29.95	37.24	6.81	Peak	---	---
7	7311.00	38.72	54.00	-15.28	27.76	10.96	Average	---	---
8	7311.00	49.66	74.00	-24.34	38.70	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	HT20	Test Freq. (MHz)	2437
Polarization	Vertical	Test Configuration	3



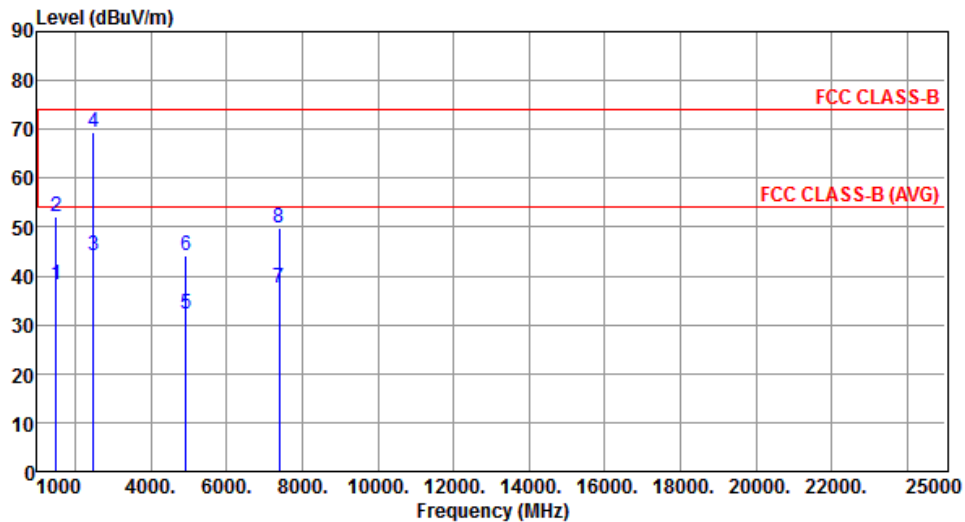
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	38.96	54.00	-15.04	40.18	-1.22	Average	---	---
2	2390.00	57.52	74.00	-16.48	58.74	-1.22	Peak	---	---
3	2483.50	39.31	54.00	-14.69	40.20	-0.89	Average	---	---
4	2483.50	60.22	74.00	-13.78	61.11	-0.89	Peak	---	---
5	4874.00	31.27	54.00	-22.73	24.46	6.81	Average	---	---
6	4874.00	43.52	74.00	-30.48	36.71	6.81	Peak	---	---
7	7311.00	36.84	54.00	-17.16	25.88	10.96	Average	---	---
8	7311.00	48.88	74.00	-25.12	37.92	10.96	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	HT20	Test Freq. (MHz)	2462
Polarization	Horizontal	Test Configuration	3



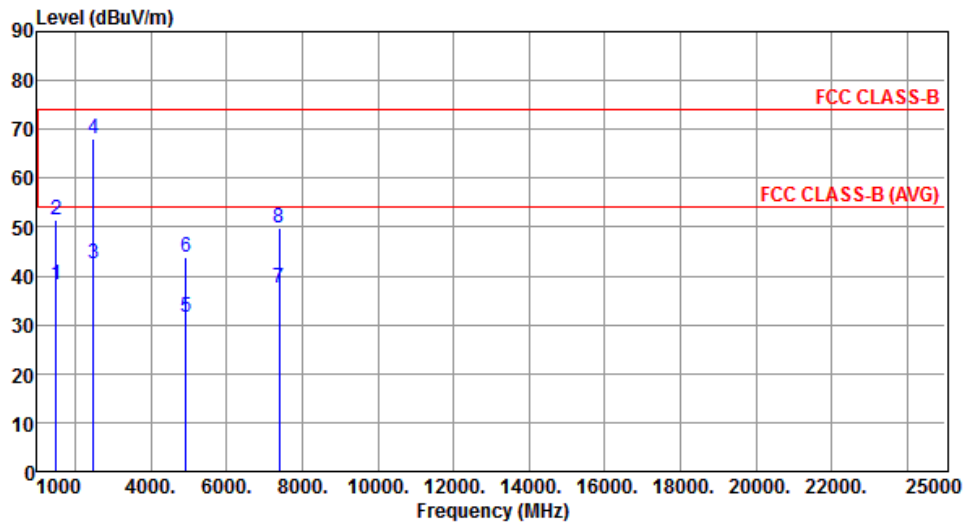
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	38.24	54.00	-15.76	42.07	-3.83	Average	---	---
2	1500.00	52.10	74.00	-21.90	55.93	-3.83	Peak	---	---
3	2483.50	44.11	54.00	-9.89	45.00	-0.89	Average	---	---
4	2483.50	69.33	74.00	-4.67	70.22	-0.89	Peak	---	---
5	4924.00	32.16	54.00	-21.84	25.56	6.60	Average	---	---
6	4924.00	44.07	74.00	-29.93	37.47	6.60	Peak	---	---
7	7386.00	37.64	54.00	-16.36	26.52	11.12	Average	---	---
8	7386.00	49.83	74.00	-24.17	38.71	11.12	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	HT20	Test Freq. (MHz)	2462
Polarization	Vertical	Test Configuration	3



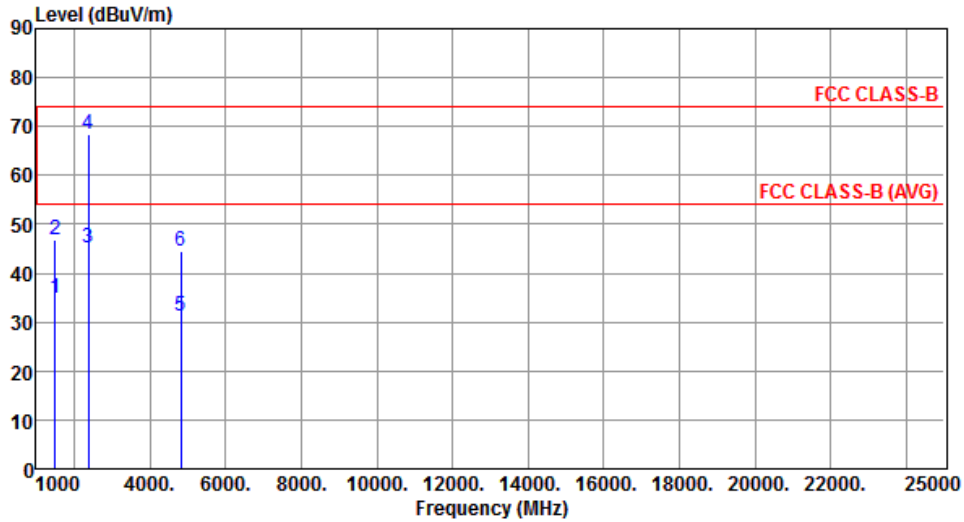
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	38.26	54.00	-15.74	42.09	-3.83	Average	---	---
2	1500.00	51.47	74.00	-22.53	55.30	-3.83	Peak	---	---
3	2483.50	42.36	54.00	-11.64	43.25	-0.89	Average	---	---
4	2483.50	68.23	74.00	-5.77	69.12	-0.89	Peak	---	---
5	4924.00	31.48	54.00	-22.52	24.88	6.60	Average	---	---
6	4924.00	43.69	74.00	-30.31	37.09	6.60	Peak	---	---
7	7386.00	37.50	54.00	-16.50	26.38	11.12	Average	---	---
8	7386.00	49.66	74.00	-24.34	38.54	11.12	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

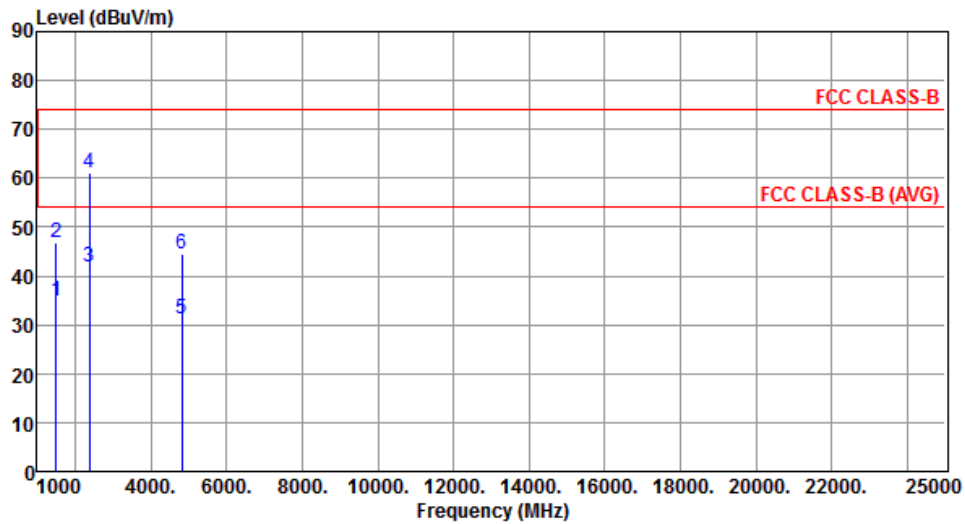
Modulation	HT20	Test Freq. (MHz)	2412
Polarization	Horizontal	Test Configuration	4



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	34.84	54.00	-19.16	38.67	-3.83	Average	---	---
2	1500.00	46.98	74.00	-27.02	50.81	-3.83	Peak	---	---
3	2390.00	45.07	54.00	-8.93	46.29	-1.22	Average	---	---
4	2390.00	68.34	74.00	-5.66	69.56	-1.22	Peak	---	---
5	4824.00	31.33	54.00	-22.67	24.32	7.01	Average	---	---
6	4824.00	44.52	74.00	-29.48	37.51	7.01	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	HT20	Test Freq. (MHz)	2412
Polarization	Vertical	Test Configuration	4



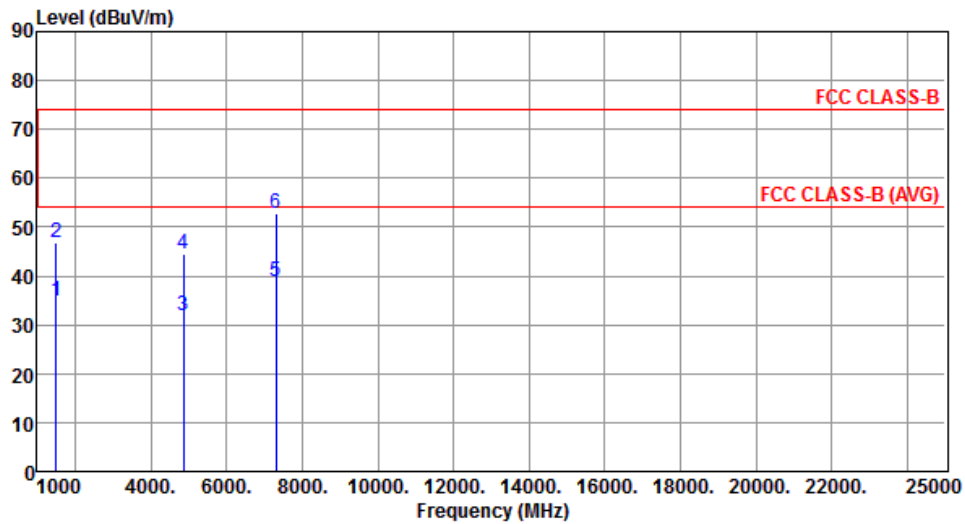
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	34.78	54.00	-19.22	38.61	-3.83	Average	---	---
2	1500.00	46.69	74.00	-27.31	50.52	-3.83	Peak	---	---
3	2390.00	41.94	54.00	-12.06	43.16	-1.22	Average	---	---
4	2390.00	61.01	74.00	-12.99	62.23	-1.22	Peak	---	---
5	4824.00	31.32	54.00	-22.68	24.31	7.01	Average	---	---
6	4824.00	44.50	74.00	-29.50	37.49	7.01	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	HT20	Test Freq. (MHz)	2437
Polarization	Horizontal	Test Configuration	4



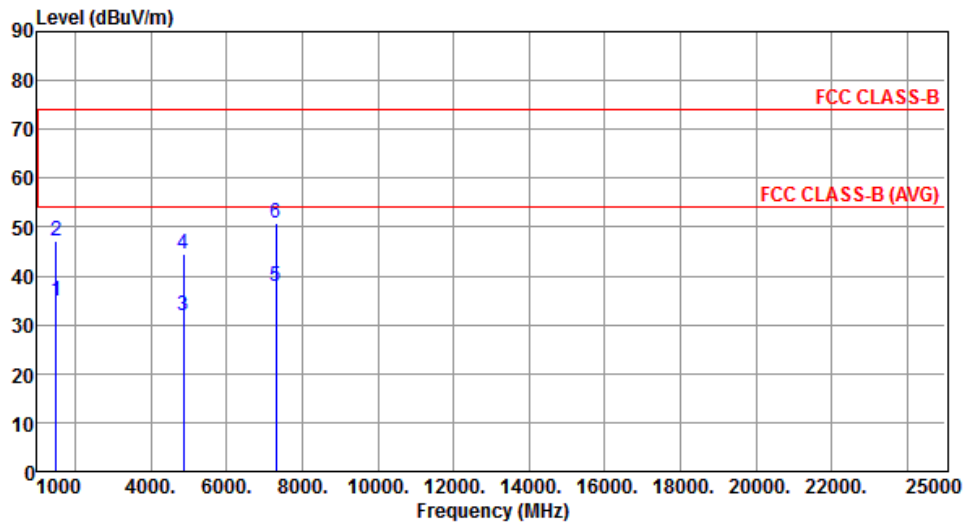
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	34.95	54.00	-19.05	38.78	-3.83	Average	---	---
2	1500.00	46.98	74.00	-27.02	50.81	-3.83	Peak	---	---
3	4874.00	31.84	54.00	-22.16	25.03	6.81	Average	---	---
4	4874.00	44.47	74.00	-29.53	37.66	6.81	Peak	---	---
5	7311.00	38.74	54.00	-15.26	27.78	10.96	Average	---	---
6	7311.00	52.91	74.00	-21.09	41.95	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	HT20	Test Freq. (MHz)	2437
Polarization	Vertical	Test Configuration	4



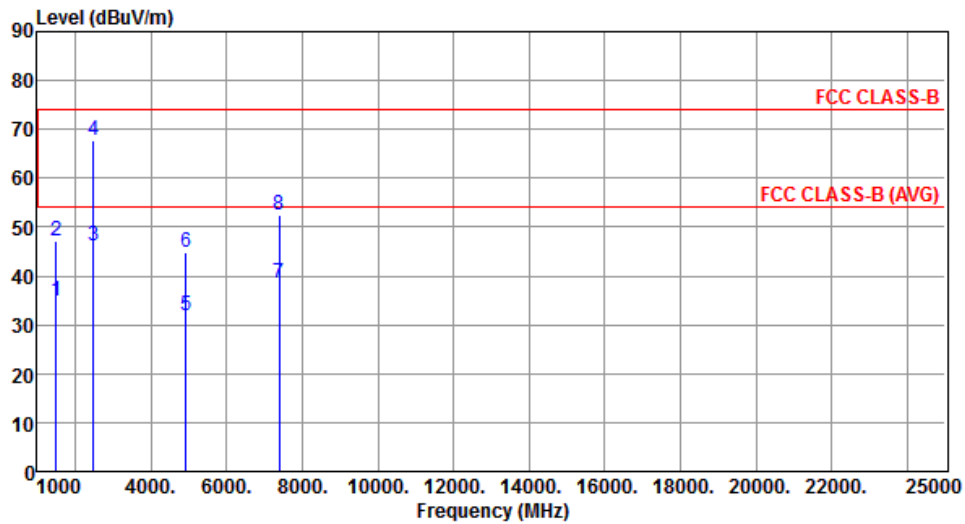
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	34.89	54.00	-19.11	38.72	-3.83	Average	---	---
2	1500.00	47.03	74.00	-26.97	50.86	-3.83	Peak	---	---
3	4874.00	31.73	54.00	-22.27	24.92	6.81	Average	---	---
4	4874.00	44.55	74.00	-29.45	37.74	6.81	Peak	---	---
5	7311.00	37.95	54.00	-16.05	26.99	10.96	Average	---	---
6	7311.00	50.88	74.00	-23.12	39.92	10.96	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

Modulation	HT20	Test Freq. (MHz)	2462
Polarization	Horizontal	Test Configuration	4



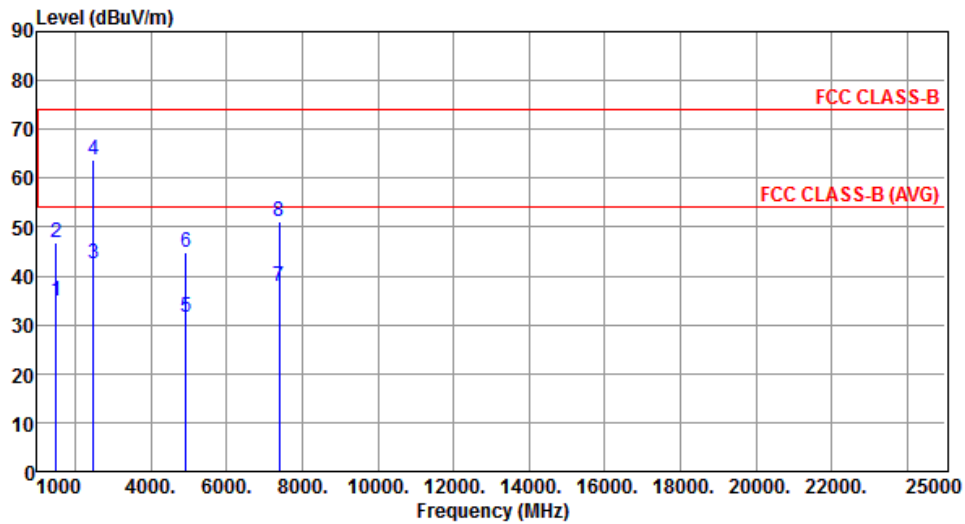
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	34.88	54.00	-19.12	38.71	-3.83	Average	---	---
2	1500.00	47.09	74.00	-26.91	50.92	-3.83	Peak	---	---
3	2483.50	46.02	54.00	-7.98	46.91	-0.89	Average	---	---
4	2483.50	67.63	74.00	-6.37	68.52	-0.89	Peak	---	---
5	4924.00	31.82	54.00	-22.18	25.22	6.60	Average	---	---
6	4924.00	44.79	74.00	-29.21	38.19	6.60	Peak	---	---
7	7386.00	38.63	54.00	-15.37	27.51	11.12	Average	---	---
8	7386.00	52.31	74.00	-21.69	41.19	11.12	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	HT20	Test Freq. (MHz)	2462
Polarization	Vertical	Test Configuration	4



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	34.86	54.00	-19.14	38.69	-3.83	Average	---	---
2	1500.00	46.68	74.00	-27.32	50.51	-3.83	Peak	---	---
3	2483.50	42.38	54.00	-11.62	43.27	-0.89	Average	---	---
4	2483.50	63.67	74.00	-10.33	64.56	-0.89	Peak	---	---
5	4924.00	31.70	54.00	-22.30	25.10	6.60	Average	---	---
6	4924.00	44.94	74.00	-29.06	38.34	6.60	Peak	---	---
7	7386.00	37.91	54.00	-16.09	26.79	11.12	Average	---	---
8	7386.00	51.05	74.00	-22.95	39.93	11.12	Peak	---	---

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

3.6 Emissions in Non-Restricted Frequency Bands

3.6.1 Emissions in Non-Restricted Frequency Bands Limit

Peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz

3.6.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

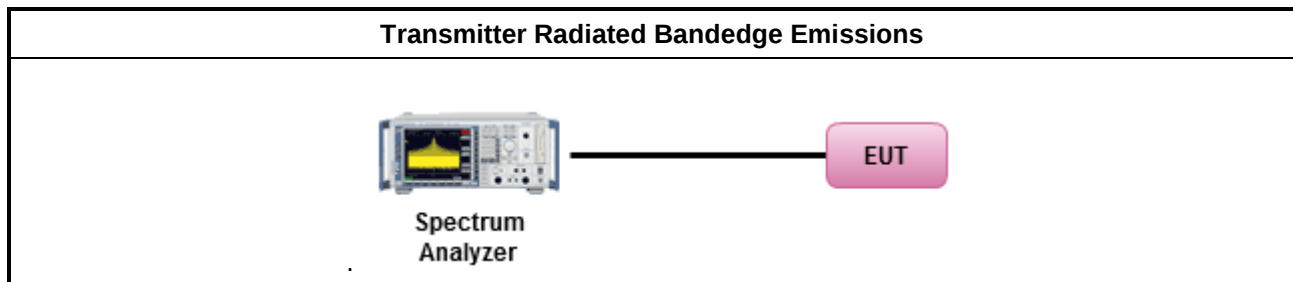
Reference level measurement

1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
2. Trace = max hold , Allow Trace to fully stabilize
3. Use the peak marker function to determine the maximum PSD level

Emission level measurement

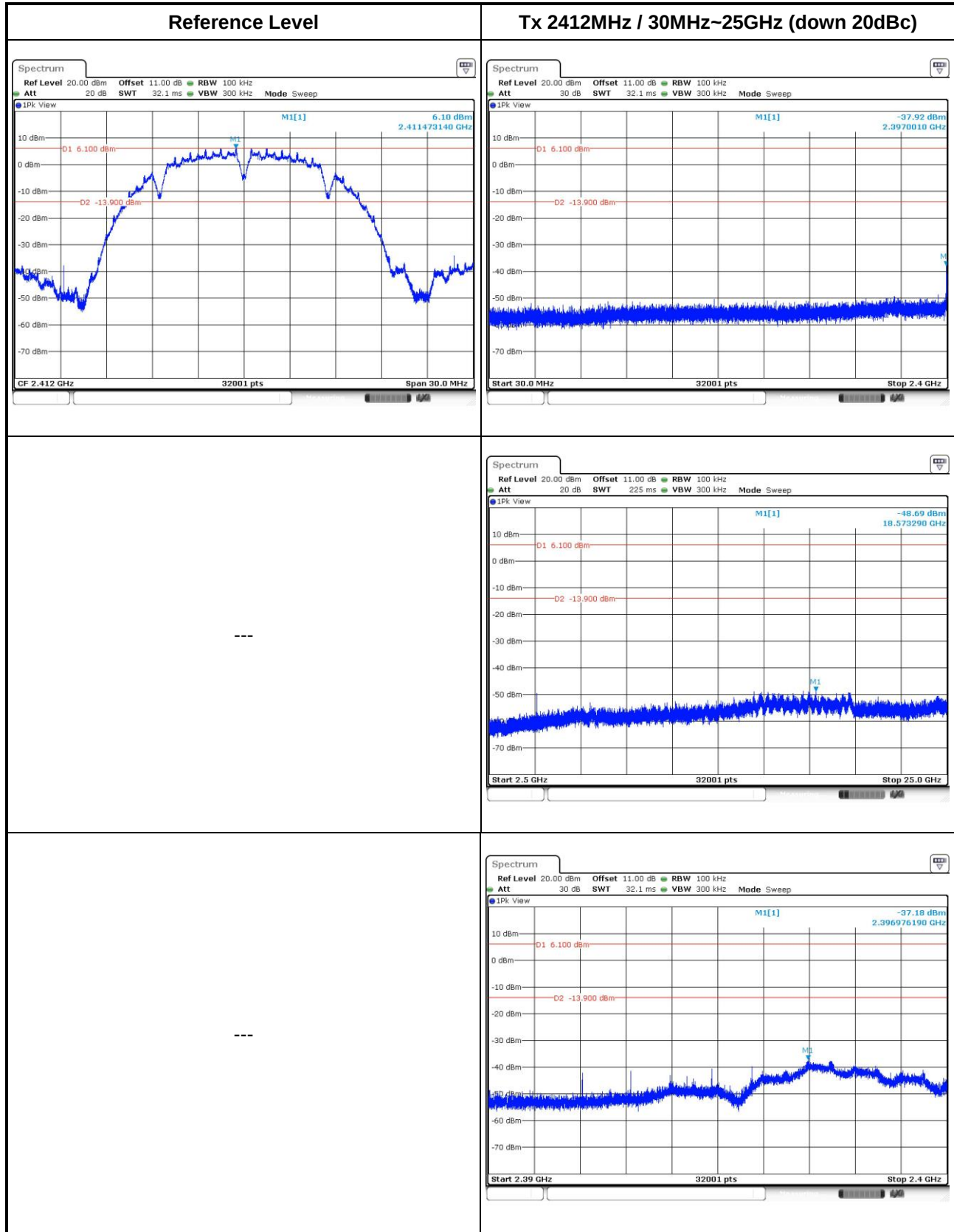
1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
2. Trace = max hold , Allow Trace to fully stabilize
3. Scan Frequency range is up to 25GHz
4. Use the peak marker function to determine the maximum amplitude level

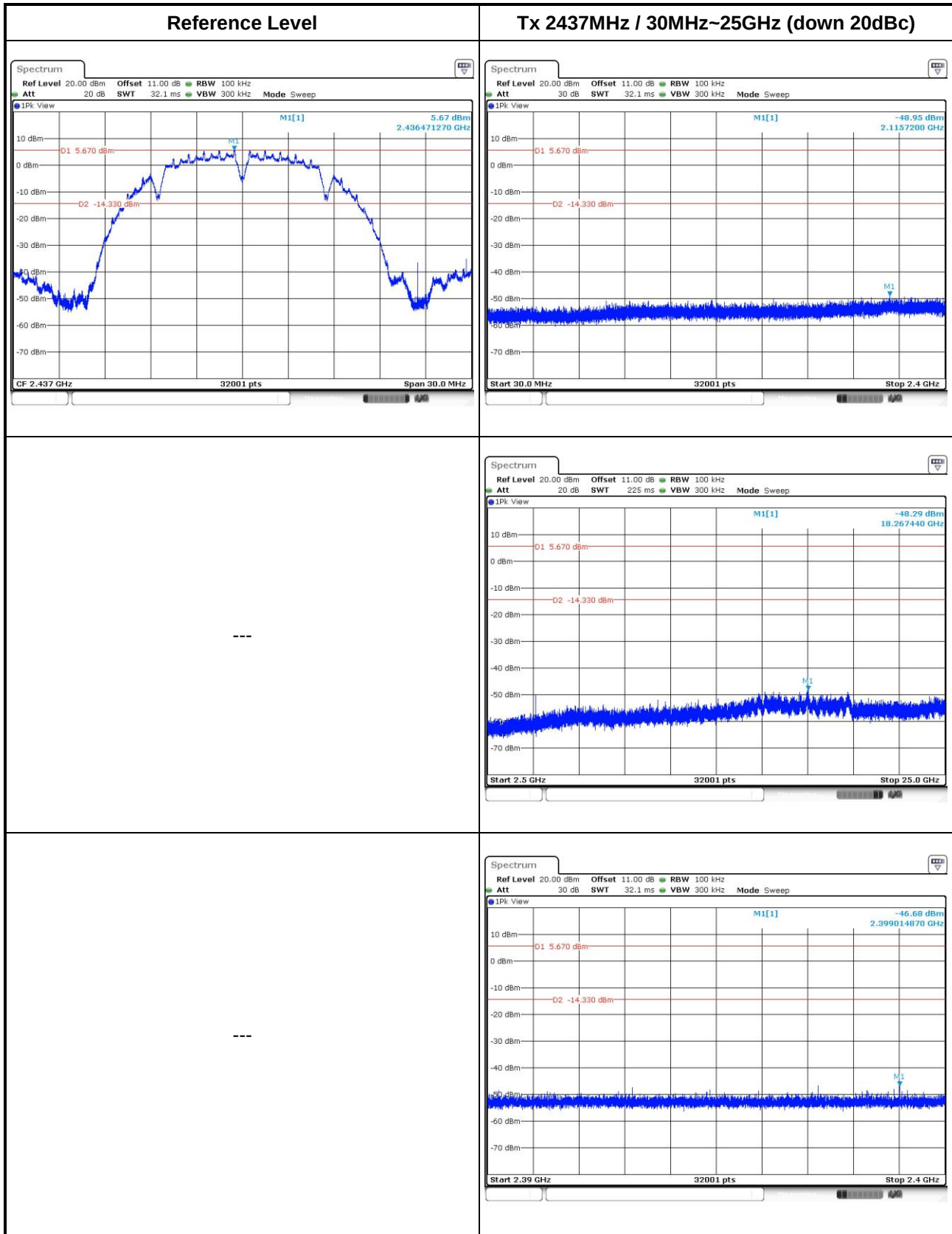
3.6.4 Test Setup



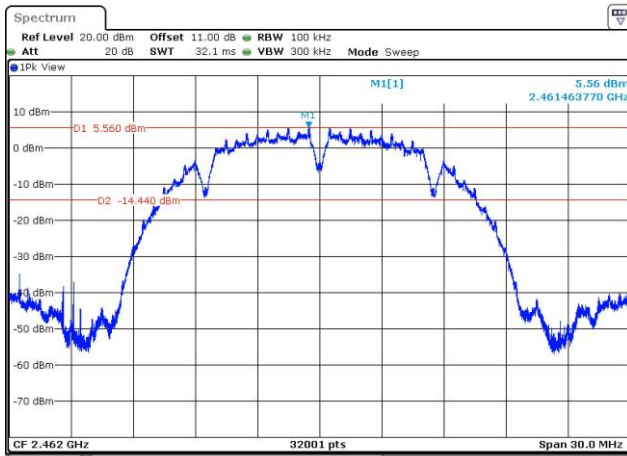
3.6.5 Unwanted Emissions into Non-Restricted Frequency Bands

802.11b

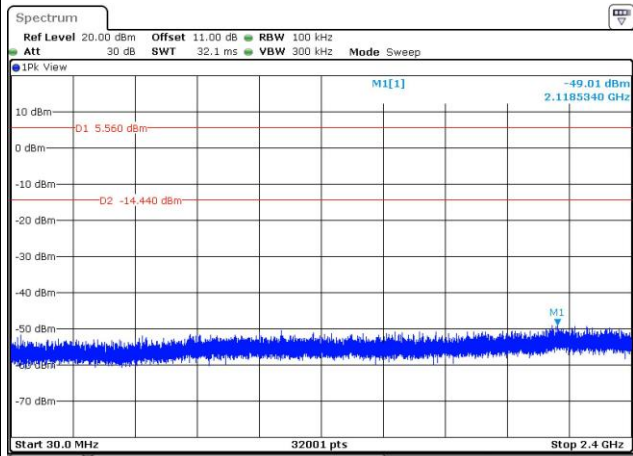


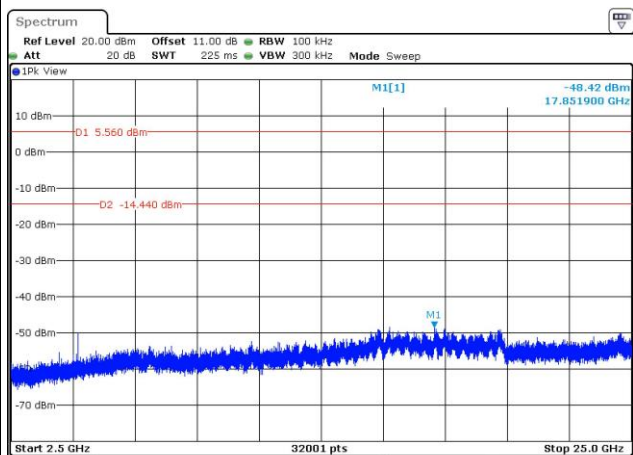


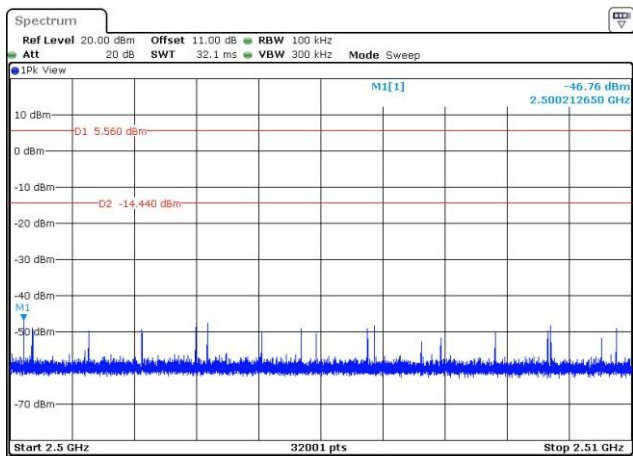
Reference Level



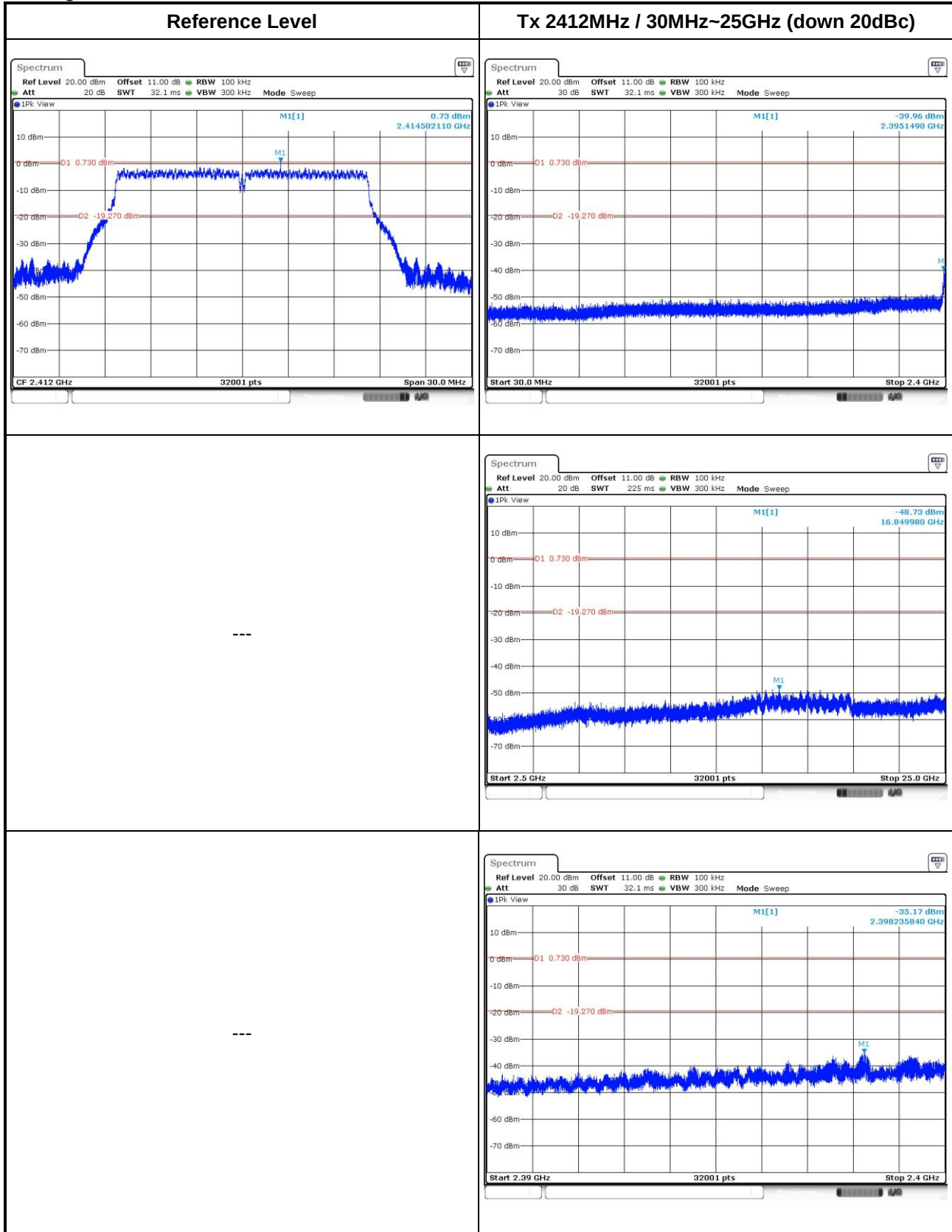
Tx 2462MHz / 30MHz~25GHz (down 20dBc)



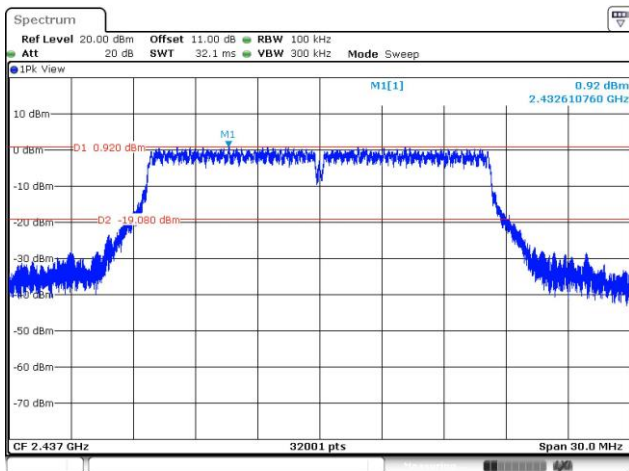




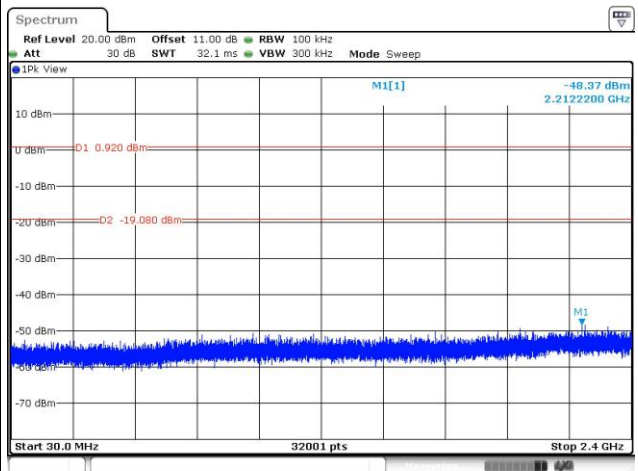
802.11g

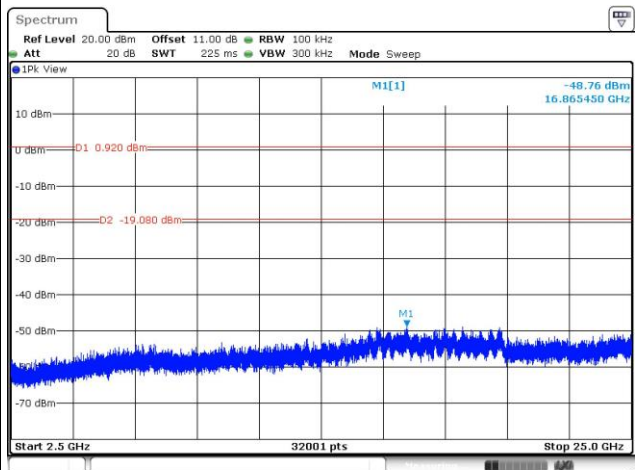


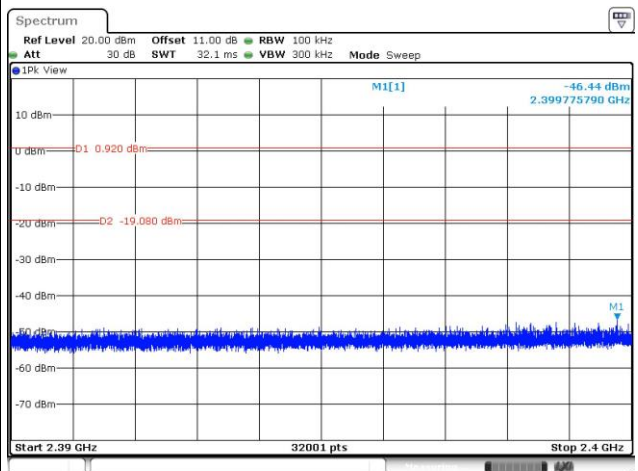
Reference Level

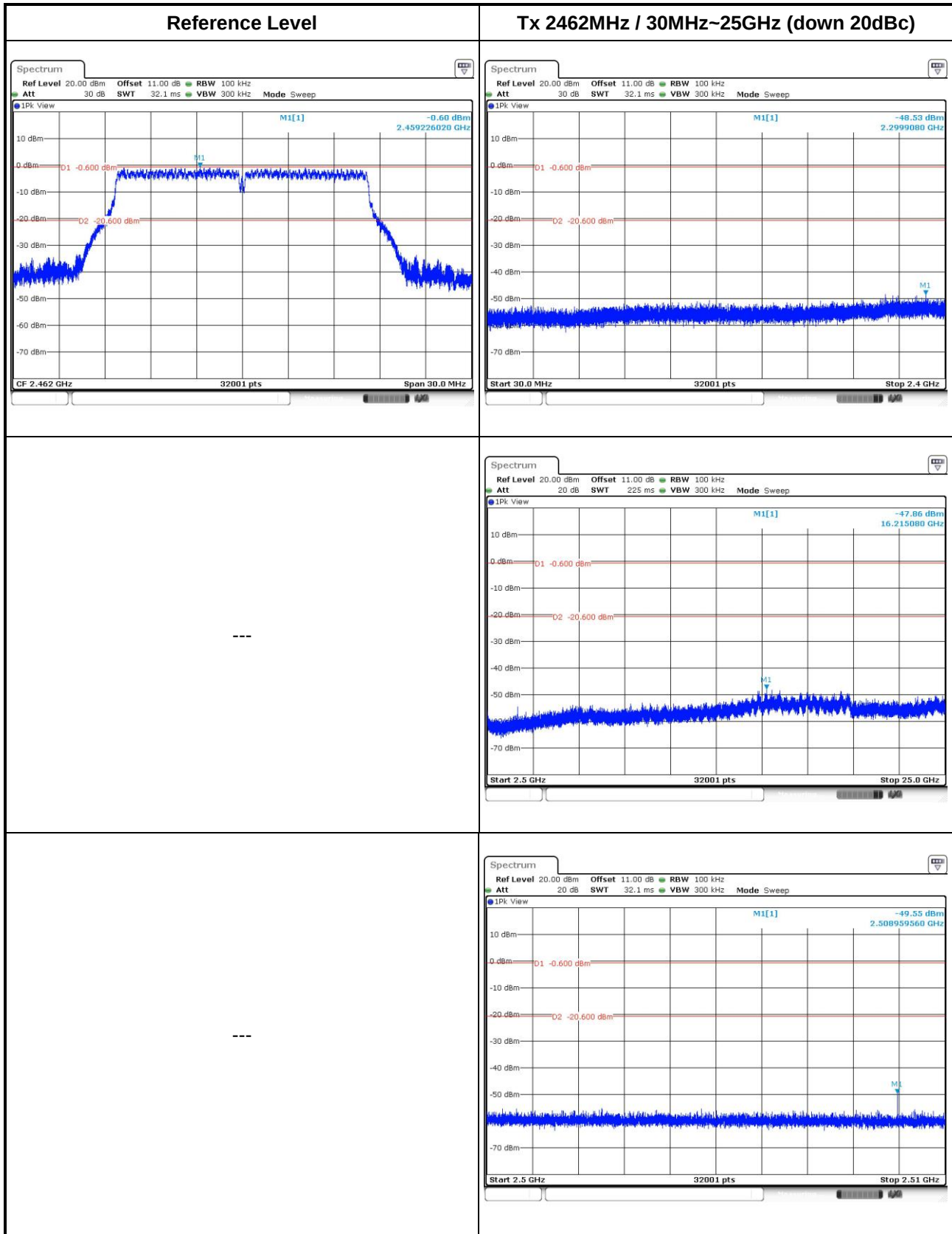


Tx 2437MHz / 30MHz~25GHz (down 20dBc)

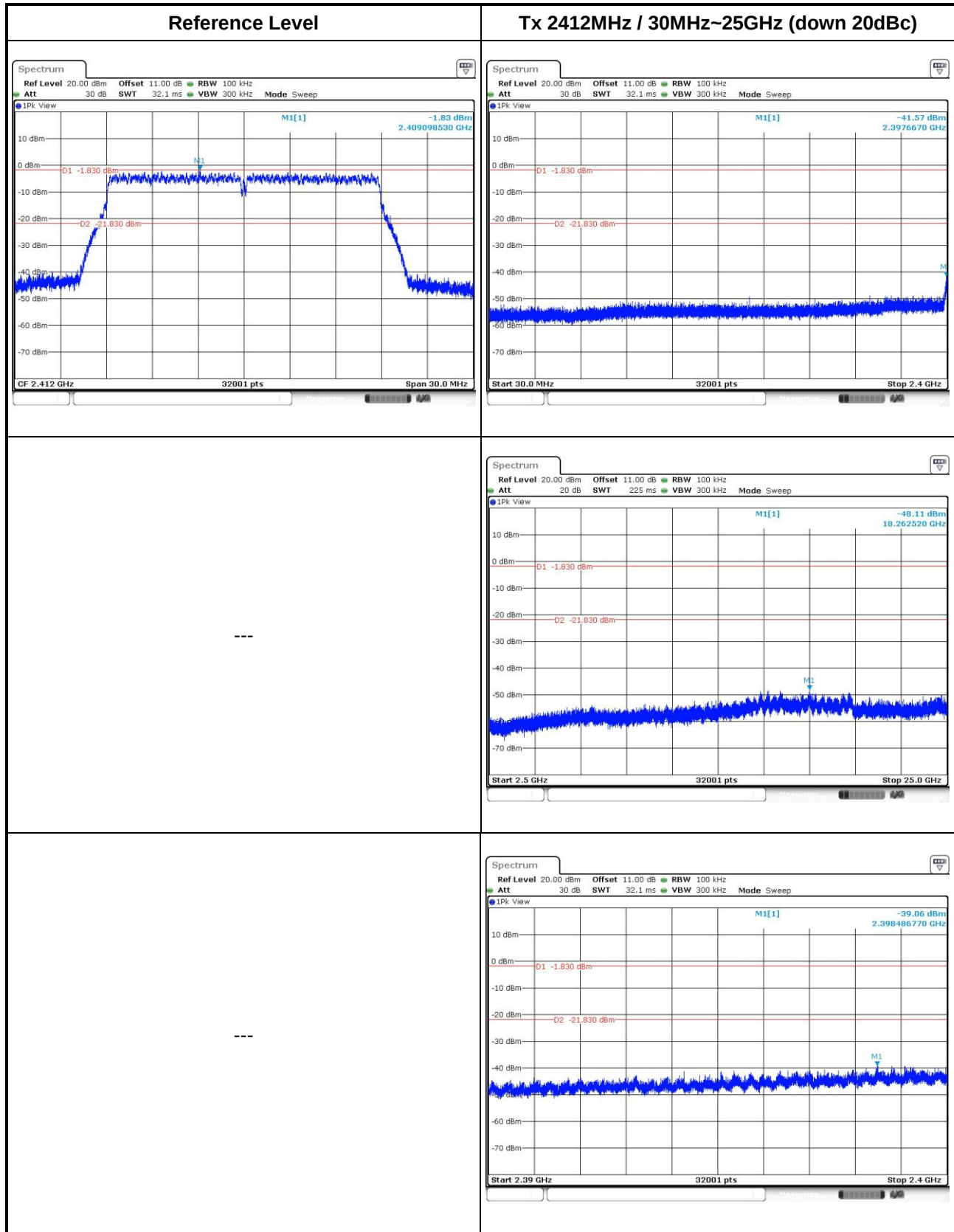




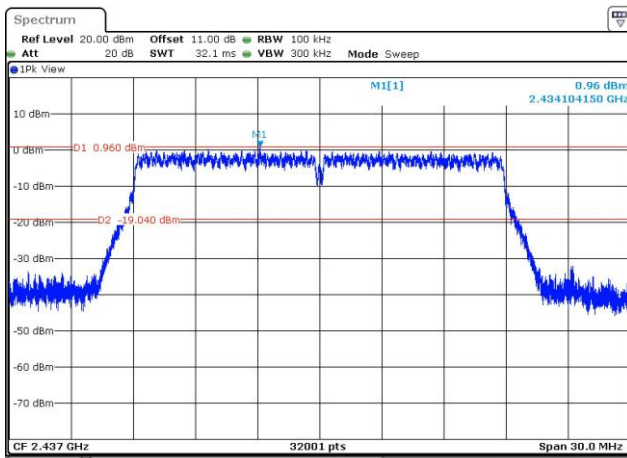




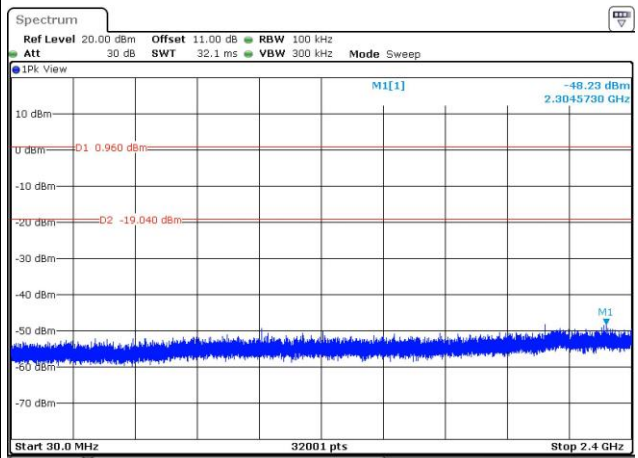
802.11n HT20

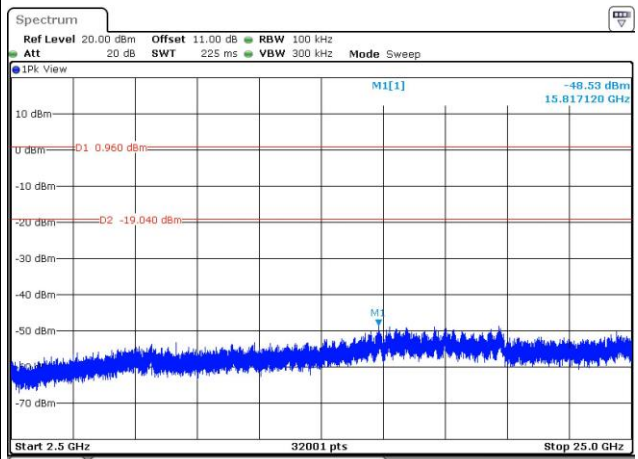


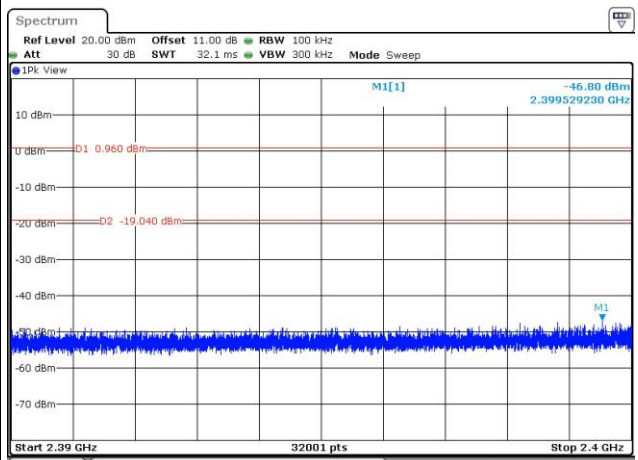
Reference Level



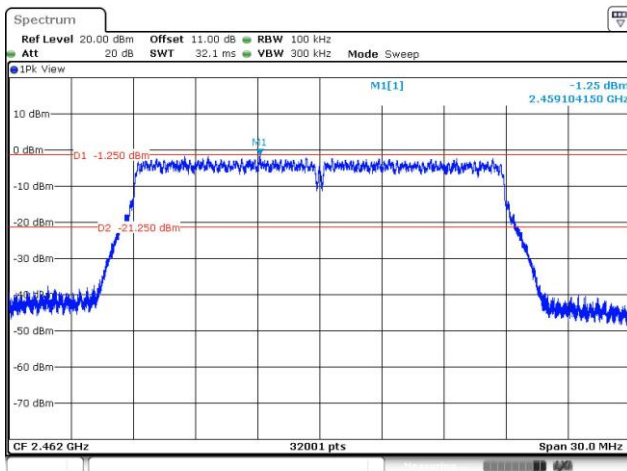
Tx 2437MHz / 30MHz~25GHz (down 20dBc)



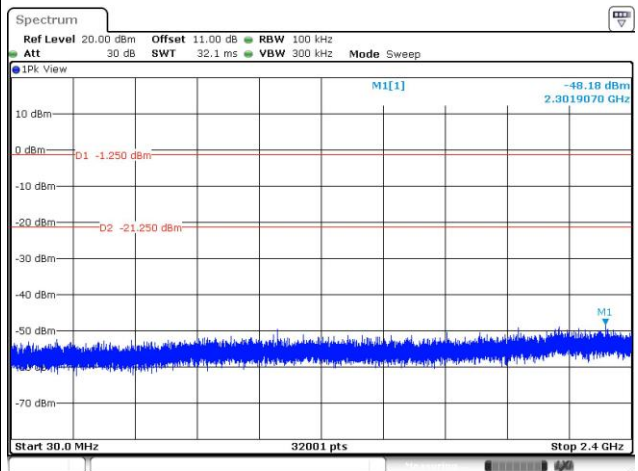


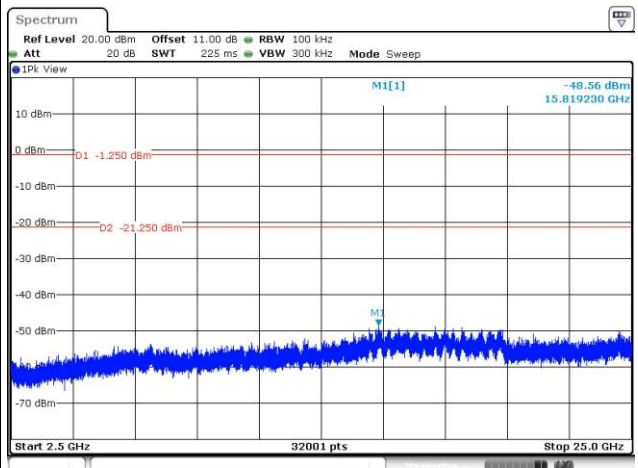


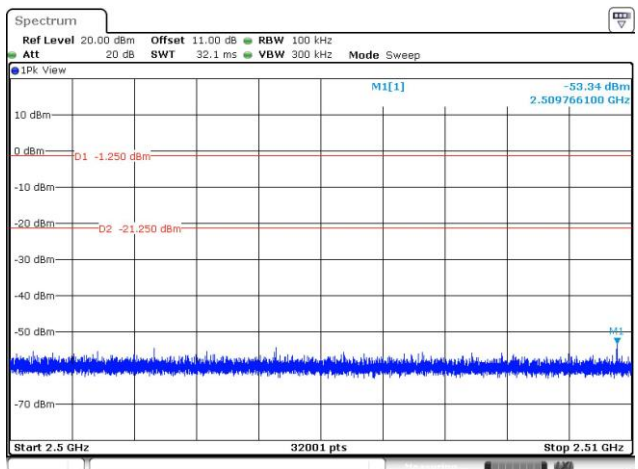
Reference Level



Tx 2462MHz / 30MHz~25GHz (down 20dBc)







4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp, it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan Hsiang. Location map can be found on our website <http://www.icertifi.com.tw>.

Linkou

Tel: 886-2-2601-1640

No. 30-2, Ding Fwu Tsuen, Lin Kou
District, New Taipei City, Taiwan,
R.O.C.

Kwei Shan

Tel: 886-3-271-8666

No. 3-1, Lane 6, Wen San 3rd
St., Kwei Shan Hsiang, Tao Yuan
Hsien 333, Taiwan, R.O.C.

Kwei Shan Site II

Tel: 886-3-271-8640

No. 14-1, Lane 19, Wen San 3rd
St., Kwei Shan Hsiang, Tao Yuan
Hsien 333, Taiwan, R.O.C.

If you have any suggestion, please feel free to contact us as below information

Tel: 886-3-271-8666

Fax: 886-3-318-0155

Email: ICC_Service@icertifi.com.tw

==END==