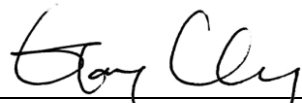


FCC Test Report

FCC ID : I88WAC6502D-E
Equipment : 802.11 ac Unified Pro Access Point
Model No. : WAC6502D-S, WAC6502D-E
Brand Name : ZyXEL
Applicant : ZyXEL Communications Corporation
Address : No. 2, Gongye E. 9th Road, Hsinchu Science
Park, Hsinchu, Taiwan
Standard : 47 CFR FCC Part 15.247
Received Date : Sep. 18, 2014
Tested Date : Oct. 07 ~ Oct. 31, 2014

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	8
1.3	Test Setup Chart	9
1.4	The Equipment List	10
1.5	Test Standards	11
1.6	Measurement Uncertainty	11
2	TEST CONFIGURATION	12
2.1	Testing Condition	12
2.2	The Worst Test Modes and Channel Details	12
3	TRANSMITTER TEST RESULTS.....	13
3.1	Conducted Emissions.....	13
3.2	6dB and Occupied Bandwidth	22
3.3	RF Output Power	25
3.4	Power Spectral Density	27
3.5	Unwanted Emissions into Restricted Frequency Bands	29
3.6	Emissions in Non-Restricted Frequency Bands.....	87
4	TEST LABORATORY INFORMATION	114

Release Record

Report No.	Version	Description	Issued Date
FR491801AC	Rev. 01	Initial issue	Dec. 01, 2014

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	Conducted Emissions	[dBuV]: 0.223MHz 40.78 (Margin -11.93dB) - AV	Pass
15.247(d) 15.209	Radiated Emissions	[dBuV/m at 3m]: 2390.00MHz 73.64 (Margin -0.36dB) - PK	Pass
15.247(b)(3)	Maximum Output Power	Max Power [dBm]: 27.31	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 Product Details

The following models are provided to this EUT.

Brand Name	Model Name	Product Name	Description
ZyXEL	WAC6502D-S	802.11 ac Unified Pro Access Point	With internal antenna
	WAC6502D-E		With external antenna

1.1.2 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]	2	1-11 Mbps
2400-2483.5	g	2412-2462	1-11 [11]	2	6-54 Mbps
2400-2483.5	n (HT20)	2412-2462	1-11 [11]	2	MCS 0-15
2400-2483.5	n (HT40)	2422-2452	3-9 [7]	2	MCS 0-15

Note 1: RF output power specifies that Maximum Conducted (Average) 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.

1.1.3 Antenna Details

Ant. No.	Type	Antenna Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)					Remark
			2400~2483.5	5150~5250	5250~5350	5470~5725	5725~5850	
1	Dipole	RSMA	5	7	7	7	7	For WAC6502D-E
2	Dipole	IPEX	4	6	6	6	6	For WAC6502D-S

Note:

- The antenna connector of PCB board of EUT is IPEX.
- WAC6502D-E has a RSMA connector jack to connect antenna and PCB board of EUT.

1.1.4 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	1. AC Adapter (support unit only.) Brand: DVE Model: DSA-24CA-12 120120 Rating: I/P: 100-240Vac, 50/60Hz, 0.8A O/P: 12Vdc, 2A
	2. POE Injector (support unit for radiated emission test only.) Brand: ZyXEL Model: PoE12-HP Rating: I/P: 100-240Vac, 50/60Hz, 1.5A max. O/P: 48Vdc, 42.1W
	3. POE Injector (support unit for conducted emission only.) Brand: PowerDsine 3001GC Model: E018205D G Rating: I/P: 100-250Vac, 50/60Hz, 0.5A O/P: 48Vdc, 0.35A

1.1.5 Accessories

N/A

1.1.6 Channel List

Frequency band (MHz)		2400~2483.5	
802.11 b / g / n HT20		802.11n HT40	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	2412	3	2422
2	2417	4	2427
3	2422	5	2432
4	2427	6	2437
5	2432	7	2442
6	2437	8	2447
7	2442	9	2452
8	2447	---	---
9	2452	---	---
10	2457	---	---
11	2462	---	---

1.1.7 Test Tool and Duty Cycle

Test Tool	CART, V4.9		
Duty Cycle and Duty Factor	Mode	Duty cycle (%)	Duty factor (dB)
	11b	100.00%	0.00
	11g	98.55%	0.06
	HT20	98.19%	0.08
	HT40	98.13%	0.08

1.1.8 Power Setting

Modulation Mode	Test Frequency (MHz)	Power Set
11b	2412	25
11b	2437	25
11b	2462	25
11g	2412	18.5
11g	2437	25
11g	2462	19
HT20	2412	15.5
HT20	2437	25
HT20	2462	18
HT40	2422	14
HT40	2437	19
HT40	2452	16.5

1.2 Local Support Equipment List

Support Equipment List (Adapter Mode)					
No.	Equipment	Brand	Model	FCC ID	Signal cable / Length (m)
1	Notebook	DELL	Latitude E5430	C0GB4X1	RJ45, 10m non-shielded w/o core.
2	Notebook	DELL	Latitude E5430	9ZFB4X1	RJ45, 10m non-shielded w/o core.
3	AC Adapter	DVE	DSA-24CA-12 120120	---	---

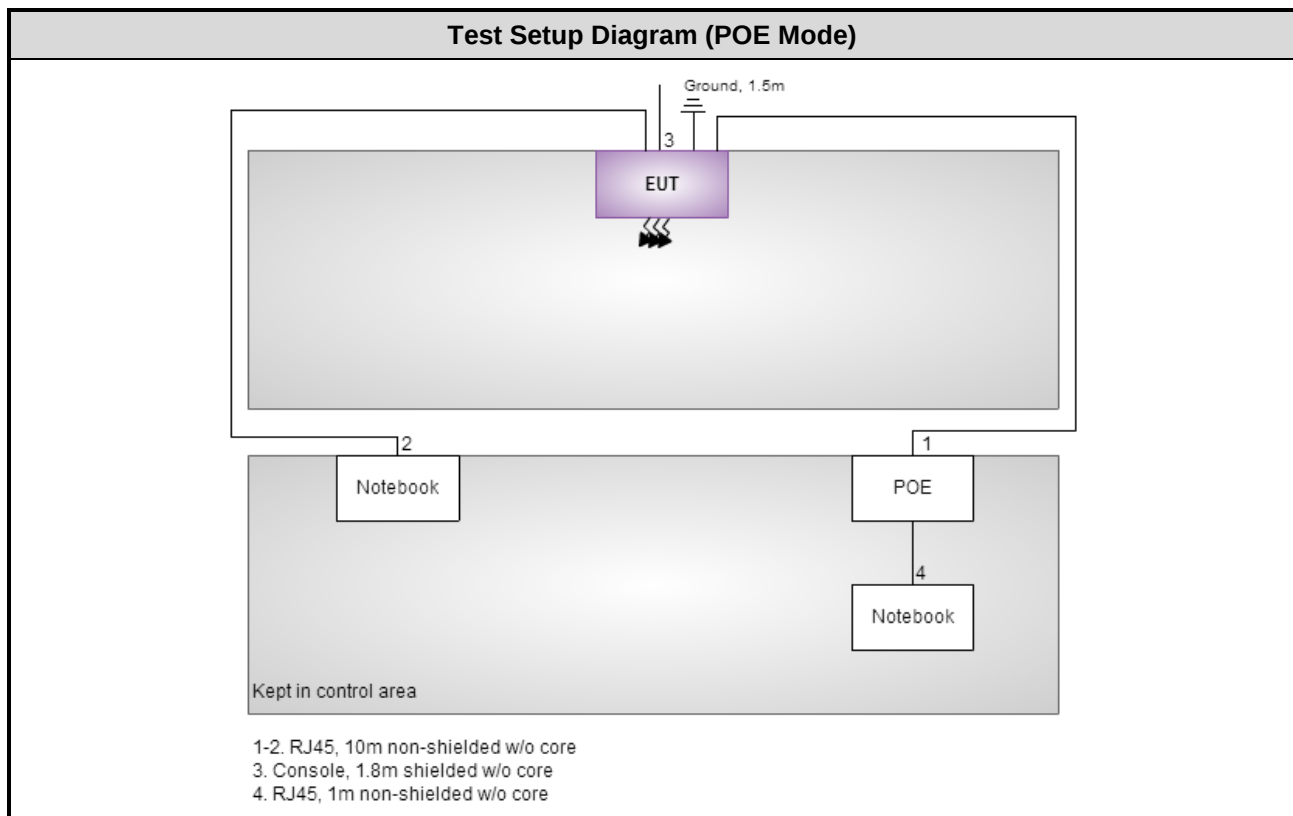
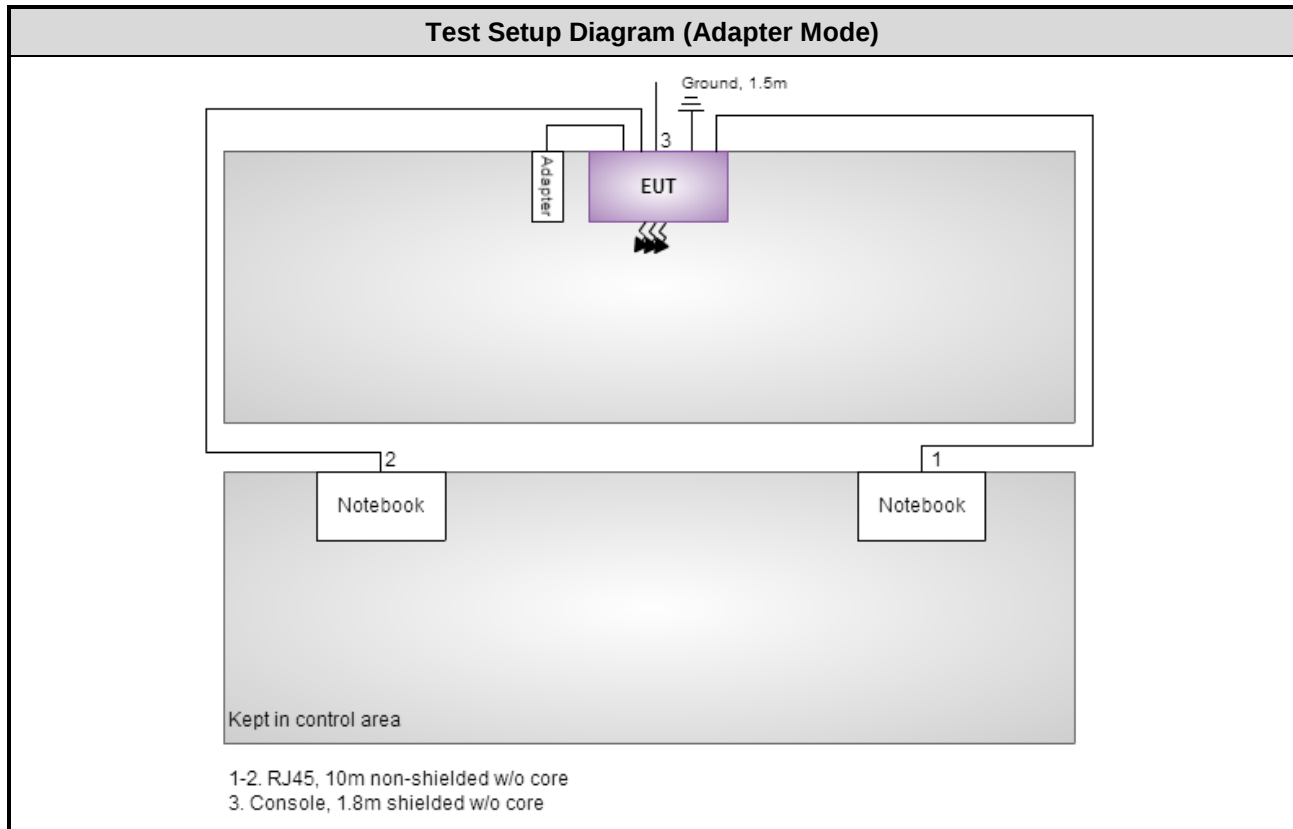
Note: No. 3 was provided by applicant.

Support Equipment List (POE Mode)					
No.	Equipment	Brand	Model	FCC ID	Signal cable / Length (m)
1	Notebook	DELL	Latitude E5430	C0GB4X1	RJ45, 10m non-shielded w/o core.
2	Notebook	DELL	Latitude E5430	9ZFB4X1	RJ45, 1m non-shielded w/o core.
3	POE Injector	ZyXEL	PoE12-HP	---	RJ45, 10m non-shielded w/o core.
4	POE Injector	PowerDsine 3001GC	E018205D G	---	RJ45, 10m non-shielded w/o core.

Note:

- 1) No. 3 & 4 were provided by applicant.
- 2) No. 3 was for radiated emission test used.
- 3) No. 4 was for conducted emission test used.

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	100132	Nov. 14, 2013	Nov. 13, 2014
LISN	SCHWARZBECK	Schwarzbeck 8127	8127-667	Nov. 23, 2013	Nov. 22, 2014
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127-666	Dec. 04, 2013	Dec. 03, 2014
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Apr. 23, 2014	Apr. 22, 2015
50 ohm terminal (Support Unit)	NA	50	04	Apr. 18, 2014	Apr. 17, 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	Jan. 08, 2014	Jan. 07, 2015
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-562	Feb. 07, 2014	Feb. 06, 2015
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Feb. 20, 2014	Feb. 19, 2015
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Dec. 27, 2013	Dec. 26, 2014
Preamplifier	EMC	EMC02325	980187	Nov. 22, 2013	Nov. 21, 2014
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. 19, 2014	Feb. 18, 2015
RF cable-8M	HUBER+SUHNER	SUCOFLEX104	MY22601/4	Feb. 19, 2014	Feb. 18, 2015
RF cable-1M	HUBER+SUHNER	SUCOFLEX104	MY22624/4	Feb. 19, 2014	Feb. 18, 2015
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800-001	Feb. 17, 2014	Feb. 16, 2015
LF cable-3M	EMC	EMC8D-NM-NM-3000	131103	Feb. 17, 2014	Feb. 16, 2015
LF cable-13M	EMC	EMC8D-NM-NM-13000	131104	Feb. 17, 2014	Feb. 16, 2015
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Loop Antenna	R&S	HFH2-Z2	100330	Nov. 15, 2012	Nov. 14, 2014
Note: Calibration Interval of instruments listed above is two 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. 17, 2014	Feb. 16, 2015
Power Meter	Anritsu	ML2495A	1241002	Sep. 29, 2014	Sep. 28, 2015
Power Sensor	Anritsu	MA2411B	1207366	Sep. 29, 2014	Sep. 28, 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 C63.10-2009

FCC KDB 558074 D01 DTS Meas Guidance v03r02

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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
Frequency error	±34.134 Hz
Temperature	±0.6 °C
Conducted emission	±2.670 dB
AC conducted emission	±2.92 dB
Radiated emission ≤ 1GHz	±3.26 dB
Radiated emission > 1GHz	±4.94 dB

2 Test Configuration

2.1 Testing Condition

Test Item	Test Site	Ambient Condition	Tested By
AC Conduction	CO01-WS	20°C / 61%	Skys Huang
Radiated Emissions	03CH03-WS	21-25°C / 63-64%	Haru Yang Anderson Hung
RF Conducted	TH01-WS	21°C / 64%	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, 3
	11g	2412 / 2437 / 2462	6 Mbps	
	HT20	2412 / 2437 / 2462	MCS 0	
	HT40	2422 / 2437 / 2452	MCS 0	
Maximum Output Power 6dB bandwidth Power spectral density	11b	2412 / 2437 / 2462	1 Mbps	3
	11g	2412 / 2437 / 2462	6 Mbps	
	HT20	2412 / 2437 / 2462	MCS 0	
	HT40	2422 / 2437 / 2452	MCS 0	

NOTE:

- This device can be powered by **AC adapter** or **POE**. Each power supply was selected for final testing as below configuration.
- The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Y-plane** results were found as the worst case and were shown in this report.
- Test configurations are listed as below:
 - Configuration 1: model WAC6502D-S, AC Adapter mode
 - Configuration 2: model WAC6502D-S, POE mode
 - Configuration 3: model WAC6502D-E, AC Adapter mode
 - Configuration 4: model WAC6502D-E, POE mode

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

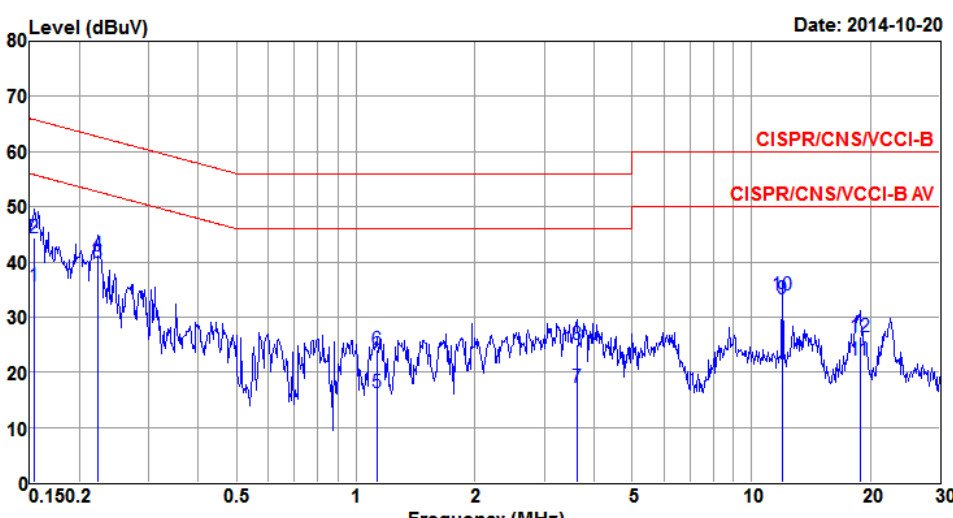


- Note: 1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.1.4 Test Result of Conducted Emissions

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

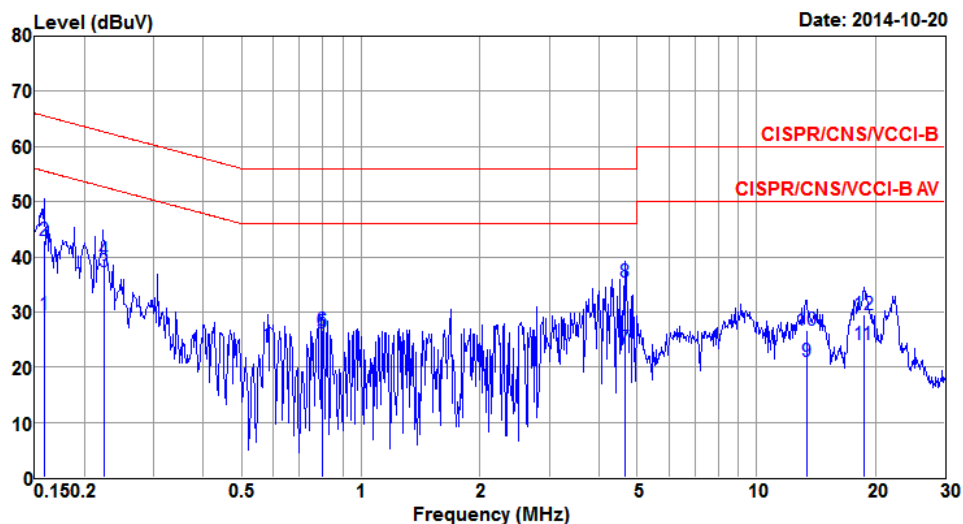
Date: 2014-10-20



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.154	35.74	55.78	-20.04	35.31	0.41	0.02	Average
2	0.154	44.34	65.78	-21.44	43.91	0.41	0.02	QP
3*	0.223	39.93	52.70	-12.77	39.48	0.44	0.01	Average
4	0.223	41.37	62.70	-21.33	40.92	0.44	0.01	QP
5	1.129	16.32	46.00	-29.68	15.52	0.78	0.02	Average
6	1.129	24.09	56.00	-31.91	23.29	0.78	0.02	QP
7	3.623	17.24	46.00	-28.76	16.05	1.06	0.13	Average
8	3.623	25.05	56.00	-30.95	23.86	1.06	0.13	QP
9	12.003	33.25	50.00	-16.75	31.17	1.80	0.28	Average
10	12.003	33.89	60.00	-26.11	31.81	1.80	0.28	QP
11	18.820	22.17	50.00	-27.83	19.73	2.06	0.38	Average
12	18.820	26.50	60.00	-33.50	24.06	2.06	0.38	QP

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

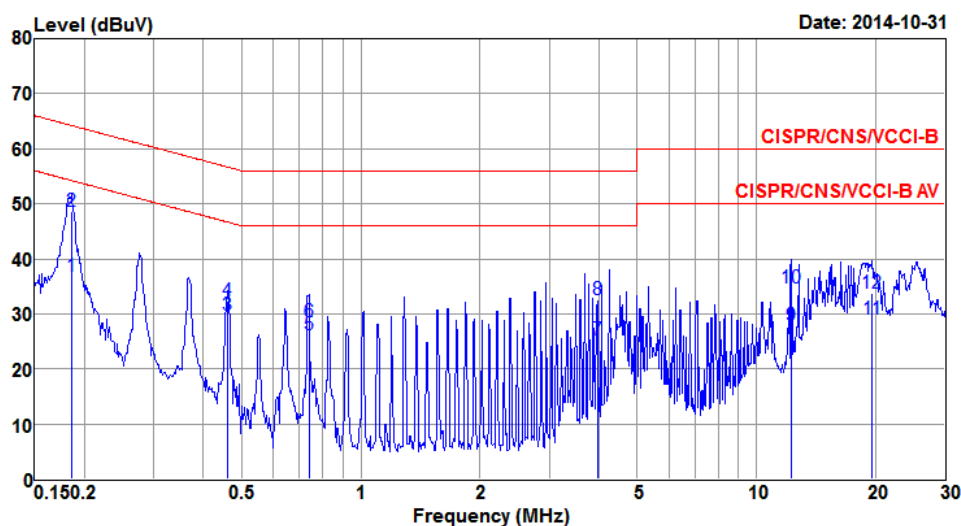
Modulation	11b	Test Freq. (MHz)	2412
Power Phase	Neutral	Test Configuration	1



	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.158	29.62	55.56	-25.94	29.11	0.49	0.02	Average
2	0.158	43.02	65.56	-22.54	42.51	0.49	0.02	QP
3*	0.224	37.40	52.66	-15.26	36.86	0.53	0.01	Average
4	0.224	39.48	62.66	-23.18	38.94	0.53	0.01	QP
5	0.800	26.14	46.00	-19.86	25.37	0.75	0.02	Average
6	0.800	26.74	56.00	-29.26	25.97	0.75	0.02	QP
7	4.672	23.27	46.00	-22.73	21.87	1.23	0.17	Average
8	4.672	35.37	56.00	-20.63	33.97	1.23	0.17	QP
9	13.408	21.01	50.00	-28.99	18.63	2.09	0.29	Average
10	13.408	26.58	60.00	-33.42	24.20	2.09	0.29	QP
11	18.721	23.97	50.00	-26.03	21.07	2.52	0.38	Average
12	18.721	29.61	60.00	-30.39	26.71	2.52	0.38	QP

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

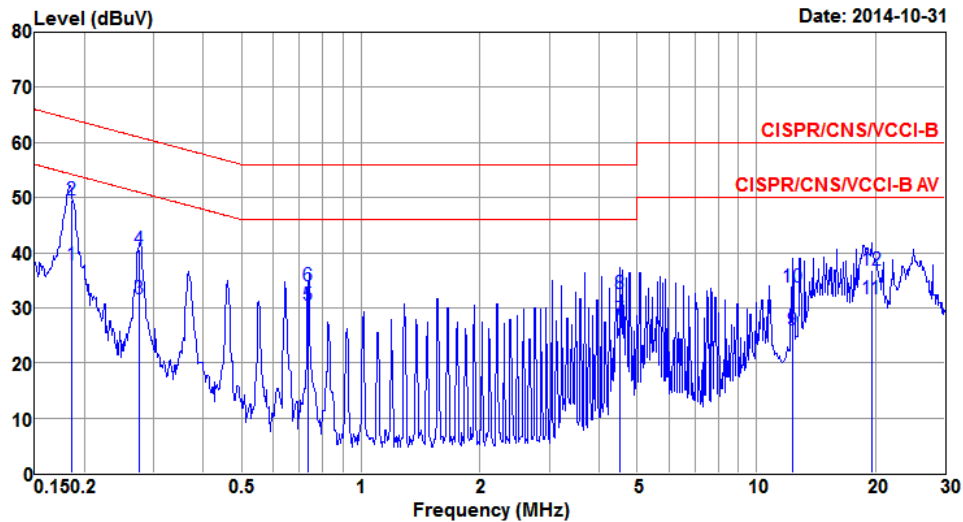
Modulation	11b	Test Freq. (MHz)	2412
Power Phase	Line	Test Configuration	2



	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.185	36.87	54.24	-17.37	36.47	0.39	0.01	Average
2*	0.185	48.73	64.24	-15.51	48.33	0.39	0.01	QP
3	0.461	29.86	46.67	-16.81	29.45	0.39	0.02	Average
4	0.461	32.24	56.67	-24.43	31.83	0.39	0.02	QP
5	0.739	26.17	46.00	-19.83	25.75	0.40	0.02	Average
6	0.739	28.47	56.00	-27.53	28.05	0.40	0.02	QP
7	3.959	25.27	46.00	-20.73	24.66	0.46	0.15	Average
8	3.959	32.56	56.00	-23.44	31.95	0.46	0.15	QP
9	12.252	27.78	50.00	-22.22	26.96	0.54	0.28	Average
10	12.252	34.60	60.00	-25.40	33.78	0.54	0.28	QP
11	19.630	28.98	50.00	-21.02	28.04	0.55	0.39	Average
12	19.630	33.66	60.00	-26.34	32.72	0.55	0.39	QP

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

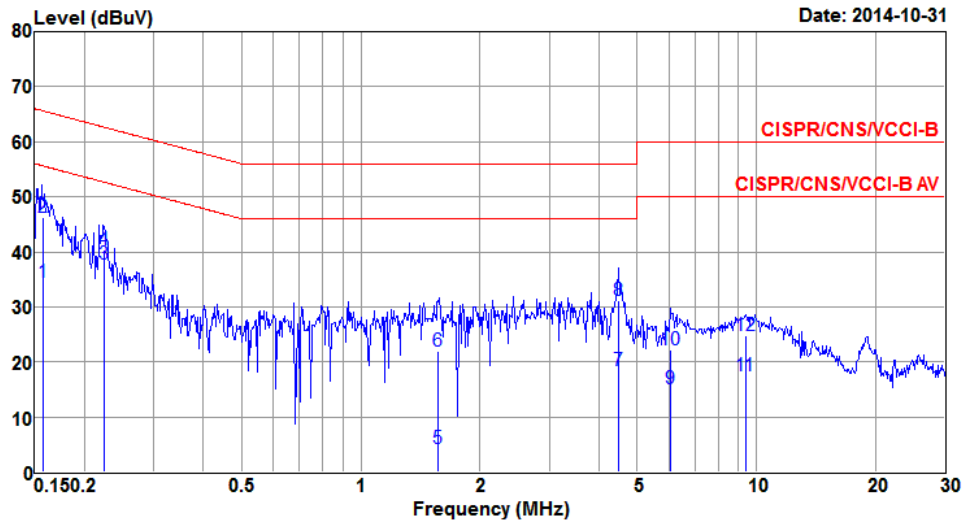
Modulation	11b	Test Freq. (MHz)	2412
Power Phase	Neutral	Test Configuration	2



	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line dBuV	Limit dB	Level dBuV	factor dB	loss dB	Remark
1	0.186	37.78	54.21	-16.43	37.29	0.48	0.01	Average
2*	0.186	49.55	64.21	-14.66	49.06	0.48	0.01	QP
3	0.276	31.70	50.94	-19.24	31.21	0.48	0.01	Average
4	0.276	40.58	60.94	-20.36	40.09	0.48	0.01	QP
5	0.738	30.38	46.00	-15.62	29.88	0.48	0.02	Average
6	0.738	34.04	56.00	-21.96	33.54	0.48	0.02	QP
7	4.519	27.94	46.00	-18.06	27.25	0.53	0.16	Average
8	4.519	32.52	56.00	-23.48	31.83	0.53	0.16	QP
9	12.350	26.06	50.00	-23.94	25.22	0.56	0.28	Average
10	12.350	33.82	60.00	-26.18	32.98	0.56	0.28	QP
11	19.538	31.65	50.00	-18.35	30.70	0.56	0.39	Average
12	19.538	36.79	60.00	-23.21	35.84	0.56	0.39	QP

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

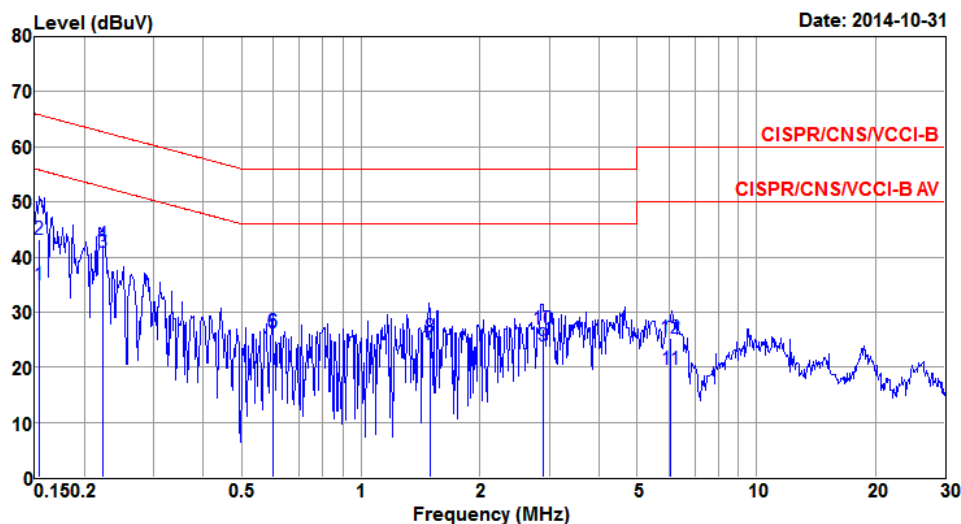
Modulation	11b	Test Freq. (MHz)	2412
Power Phase	Line	Test Configuration	3



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.157	34.43	55.62	-21.19	34.00	0.41	0.02	Average
2	0.157	46.34	65.62	-19.28	45.91	0.41	0.02	QP
3*	0.224	37.79	52.65	-14.86	37.34	0.44	0.01	Average
4	0.224	40.47	62.65	-22.18	40.02	0.44	0.01	QP
5	1.573	4.32	46.00	-41.68	3.39	0.91	0.02	Average
6	1.573	21.90	56.00	-34.10	20.97	0.91	0.02	QP
7	4.478	18.51	46.00	-27.49	17.20	1.15	0.16	Average
8	4.478	31.11	56.00	-24.89	29.80	1.15	0.16	QP
9	6.059	15.08	50.00	-34.92	13.53	1.35	0.20	Average
10	6.059	22.14	60.00	-37.86	20.59	1.35	0.20	QP
11	9.404	17.45	50.00	-32.55	15.55	1.66	0.24	Average
12	9.404	24.81	60.00	-35.19	22.91	1.66	0.24	QP

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

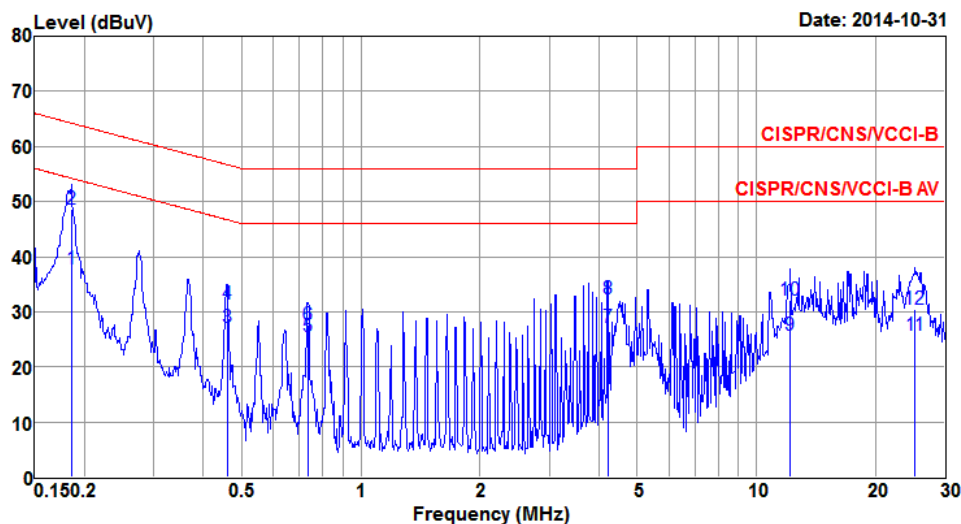
Modulation	11b	Test Freq. (MHz)	2412
Power Phase	Neutral	Test Configuration	3



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.154	34.99	55.78	-20.79	34.48	0.49	0.02	Average
2	0.154	43.19	65.78	-22.59	42.68	0.49	0.02	QP
3*	0.223	40.78	52.71	-11.93	40.24	0.53	0.01	Average
4	0.223	42.29	62.71	-20.42	41.75	0.53	0.01	QP
5	0.601	26.22	46.00	-19.78	25.51	0.69	0.02	Average
6	0.601	26.47	56.00	-29.53	25.76	0.69	0.02	QP
7	1.493	24.07	46.00	-21.93	23.08	0.97	0.02	Average
8	1.493	25.42	56.00	-30.58	24.43	0.97	0.02	QP
9	2.896	23.86	46.00	-22.14	22.66	1.11	0.09	Average
10	2.896	26.88	56.00	-29.12	25.68	1.11	0.09	QP
11	6.090	19.66	50.00	-30.34	18.06	1.40	0.20	Average
12	6.090	25.15	60.00	-34.85	23.55	1.40	0.20	QP

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

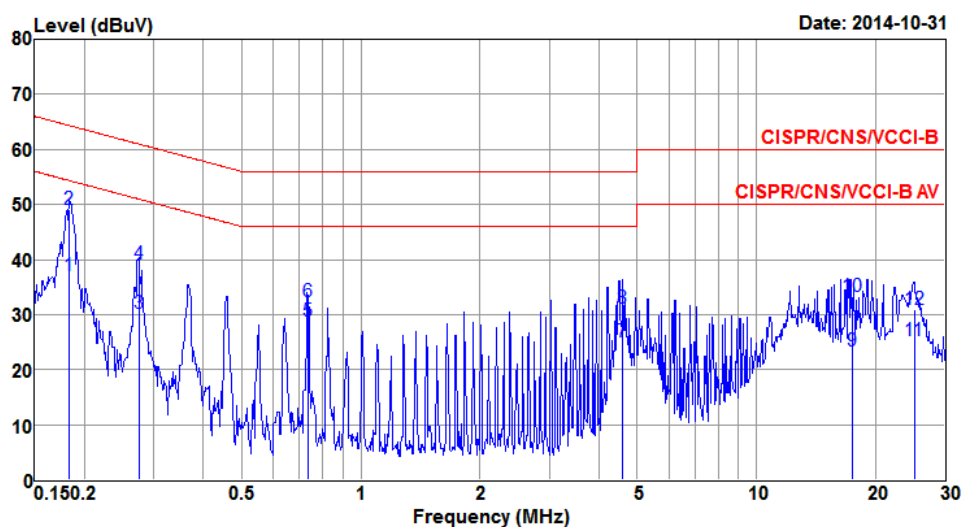
Modulation	11b	Test Freq. (MHz)	2412
Power Phase	Line	Test Configuration	4



	Freq	Level	Limit	Over	Read	LISN	cable	
	MHz	dBuV	Line	Limit	Level	factor	loss	Remark
			dBuV	dB	dBuV	dB	dB	
1	0.185	37.67	54.24	-16.57	37.27	0.39	0.01	Average
2*	0.185	48.69	64.24	-15.55	48.29	0.39	0.01	QP
3	0.459	27.11	46.71	-19.60	26.70	0.39	0.02	Average
4	0.459	31.33	56.71	-25.38	30.92	0.39	0.02	QP
5	0.735	25.60	46.00	-20.40	25.18	0.40	0.02	Average
6	0.735	27.53	56.00	-28.47	27.11	0.40	0.02	QP
7	4.222	27.18	46.00	-18.82	26.56	0.46	0.16	Average
8	4.222	32.26	56.00	-23.74	31.64	0.46	0.16	QP
9	12.202	25.77	50.00	-24.23	24.95	0.54	0.28	Average
10	12.202	32.16	60.00	-27.84	31.34	0.54	0.28	QP
11	25.188	25.62	50.00	-24.38	24.62	0.55	0.45	Average
12	25.188	30.56	60.00	-29.44	29.56	0.55	0.45	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	0.182	36.99	54.37	-17.38	36.50	0.48	0.01	Average
2*	0.182	48.98	64.37	-15.39	48.49	0.48	0.01	QP
3	0.274	30.27	50.98	-20.71	29.78	0.48	0.01	Average
4	0.274	39.23	60.98	-21.75	38.74	0.48	0.01	QP
5	0.736	28.81	46.00	-17.19	28.31	0.48	0.02	Average
6	0.736	32.40	56.00	-23.60	31.90	0.48	0.02	QP
7	4.588	25.00	46.00	-21.00	24.30	0.53	0.17	Average
8	4.588	31.16	56.00	-24.84	30.46	0.53	0.17	QP
9	17.445	23.41	50.00	-26.59	22.49	0.56	0.36	Average
10	17.445	33.34	60.00	-26.66	32.42	0.56	0.36	QP
11	25.052	25.26	50.00	-24.74	24.28	0.53	0.45	Average
12	25.052	30.90	60.00	-29.10	29.92	0.53	0.45	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

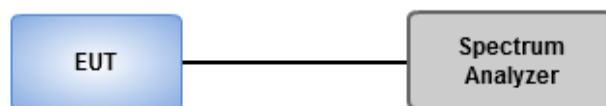
3.2.1 Limit of 6dB Bandwidth

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

3.2.2 Test Procedures

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.

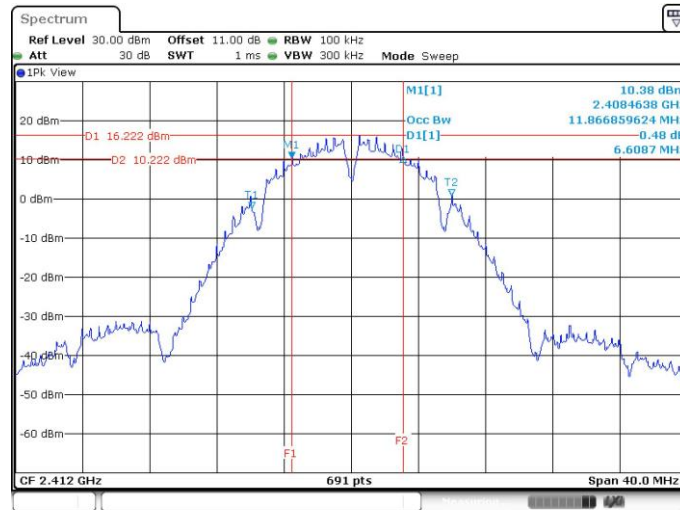
3.2.3 Test Setup



3.2.4 Test Result of 6dB and Occupied Bandwidth

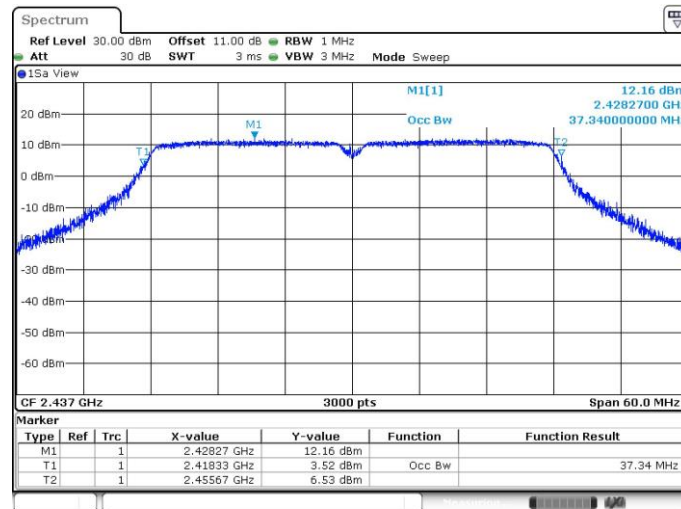
Modulation Mode	N _{TX}	Freq. (MHz)	6dB Bandwidth (MHz)				Limit (kHz)
			Chain 0	Chain 1	Chain 2	Chain 3	
11b	2	2412	6.61	7.07	---	---	500
11b	2	2437	7.07	7.07	---	---	500
11b	2	2462	7.07	7.07	---	---	500
11g	2	2412	16.35	16.35	---	---	500
11g	2	2437	16.35	16.35	---	---	500
11g	2	2462	16.35	16.35	---	---	500
HT20	2	2412	17.62	17.57	---	---	500
HT20	2	2437	17.51	17.57	---	---	500
HT20	2	2462	17.57	17.62	---	---	500
HT40	2	2422	36.06	35.94	---	---	500
HT40	2	2437	36.06	35.83	---	---	500
HT40	2	2452	36.29	36.41	---	---	500

Worst Plots



Modulation Mode	N _{TX}	Freq. (MHz)	99% Occupied Bandwidth (MHz)			
			Chain 0	Chain 1	Chain 2	Chain 3
11b	2	2412	11.87	11.88	---	---
11b	2	2437	11.82	11.84	---	---
11b	2	2462	11.85	11.87	---	---
11g	2	2412	17.10	16.83	---	---
11g	2	2437	16.98	16.86	---	---
11g	2	2462	16.98	16.82	---	---
HT20	2	2412	18.15	18.02	---	---
HT20	2	2437	18.18	18.03	---	---
HT20	2	2462	18.10	18.03	---	---
HT40	2	2422	37.28	37.12	---	---
HT40	2	2437	37.34	37.10	---	---
HT40	2	2452	37.28	37.18	---	---

Worst Plots



3.3 RF Output Power

3.3.1 Limit of RF Output Power

Conducted power shall not exceed 1Watt.

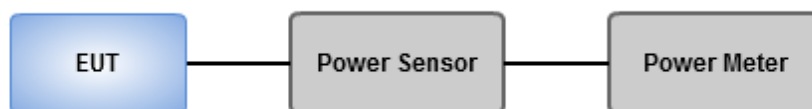
- ☒ Antenna gain $\leq 6\text{dBi}$, no any corresponding reduction is in output power limit.
- ☐ Antenna gain $> 6\text{dBi}$
 - ☐ Non Fixed, point to point operations.
The conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna 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
 - ☒ **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)	Conducted (average) output power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)
			Chain 0	Chain 1	Chain 2	Chain 3			
11b	2	2412	24.06	24.52	---	---	537.82	27.31	30.00
11b	2	2437	23.87	24.09	---	---	500.23	26.99	30.00
11b	2	2462	23.94	24.13	---	---	506.56	27.05	30.00
11g	2	2412	17.95	18.13	---	---	127.39	21.05	30.00
11g	2	2437	23.81	23.95	---	---	488.75	26.89	30.00
11g	2	2462	18.13	18.35	---	---	133.40	21.25	30.00
HT20	2	2412	15.20	15.47	---	---	68.35	18.35	30.00
HT20	2	2437	23.68	23.93	---	---	480.52	26.82	30.00
HT20	2	2462	17.22	17.49	---	---	108.83	20.37	30.00
HT40	2	2422	13.28	13.98	---	---	46.28	16.65	30.00
HT40	2	2437	18.62	18.25	---	---	139.61	21.45	30.00
HT40	2	2452	16.03	16.04	---	---	80.27	19.05	30.00

3.4 Power Spectral Density

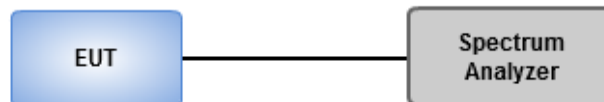
3.4.1 Limit of Power Spectral Density

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 = 30kHz, VBW = 100kHz.
 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 = 10kHz, VBW = 30 kHz.
 2. Detector = RMS, Sweep time = auto couple.
 3. Employ trace averaging (RMS) mode over a minimum of 100 traces.
 4. Use the peak marker function to determine the maximum amplitude level.

3.4.3 Test Setup

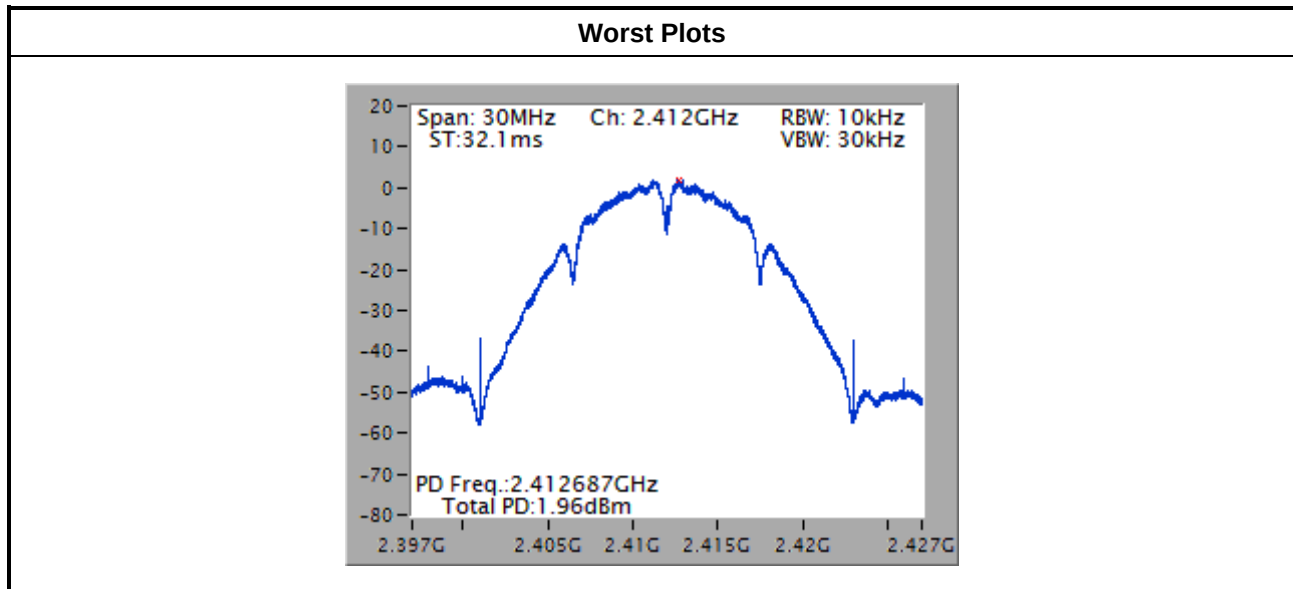


3.4.4 Test Result of Power Spectral Density

Modulation Mode	N _{TX}	Freq. (MHz)	Total Power Spectral Density (dBm/10kHz)	Limit (dBm/3kHz)
11b	2	2412	1.96	5.99
11b	2	2437	1.68	5.99
11b	2	2462	1.76	5.99
11g	2	2412	-3.50	5.99
11g	2	2437	1.89	5.99
11g	2	2462	-3.84	5.99
HT20	2	2412	-7.01	5.99
HT20	2	2437	1.45	5.99
HT20	2	2462	-5.33	5.99
HT40	2	2422	-11.07	5.99
HT40	2	2437	-3.39	5.99
HT40	2	2452	-9.24	5.99

Note:

1. Test result is bin-by-bin summing measured value of each TX port.
2. Directional gain = $5 + 10 \cdot \log(2 / 1) = 8.01 \text{ dBi} > 6 \text{ dBi}$.
Limit shall be reduced to $8 \text{ dBm} - (8.01 \text{ dBi} - 6 \text{ dBi}) = 5.99 \text{ dBm}$.



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:
Qusai-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

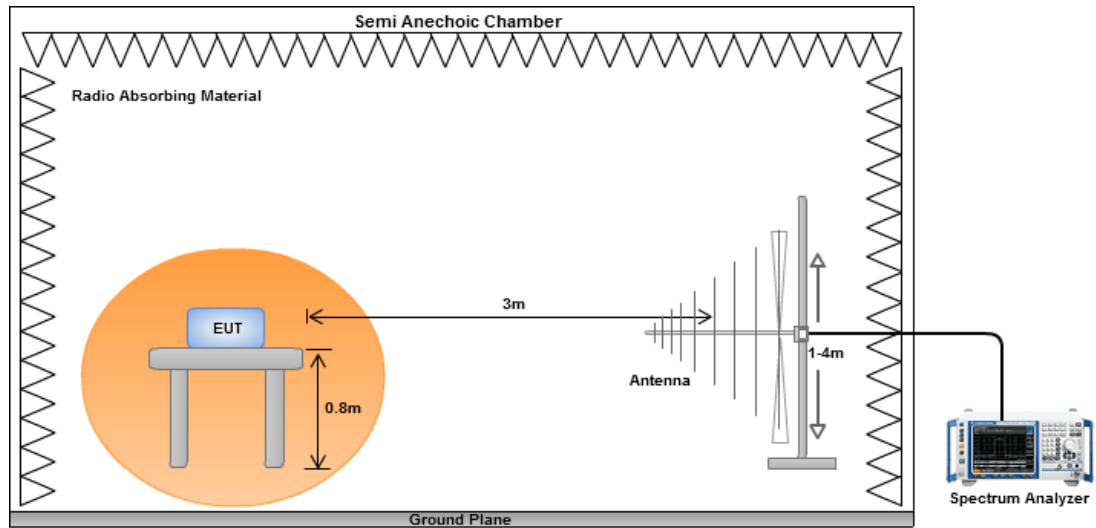
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at a height of 0.8 m test table above the ground plane.
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:

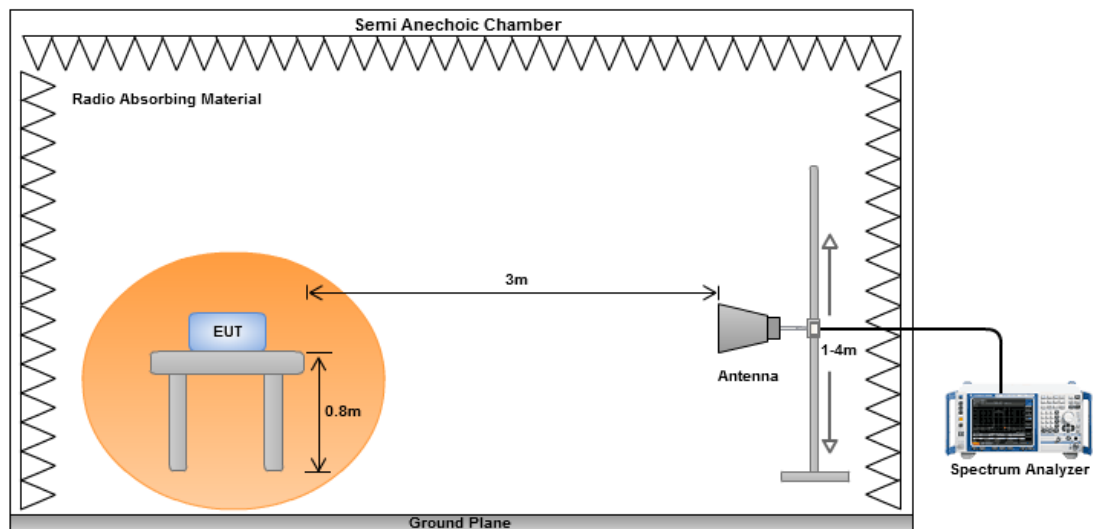
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

3.5.3 Test Setup

Radiated Emissions below 1 GHz

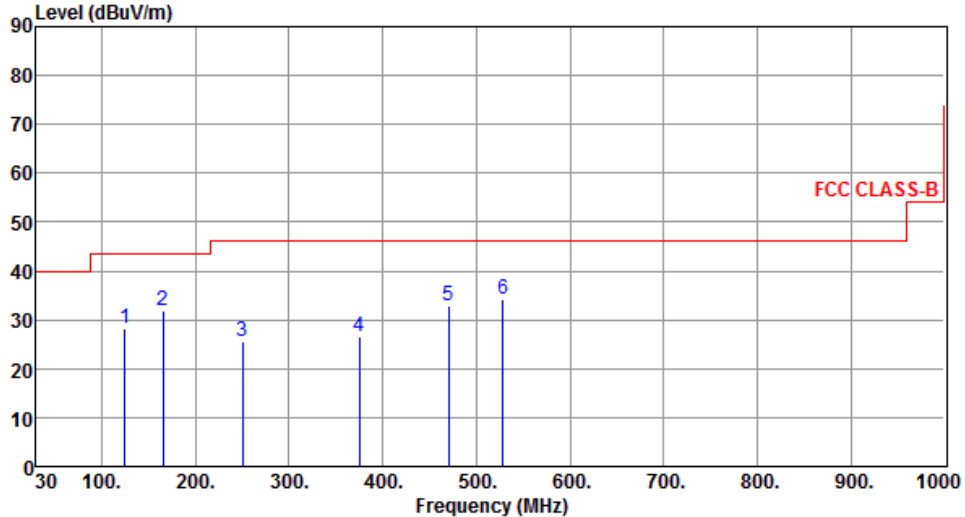


Radiated Emissions above 1 GHz



3.5.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

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

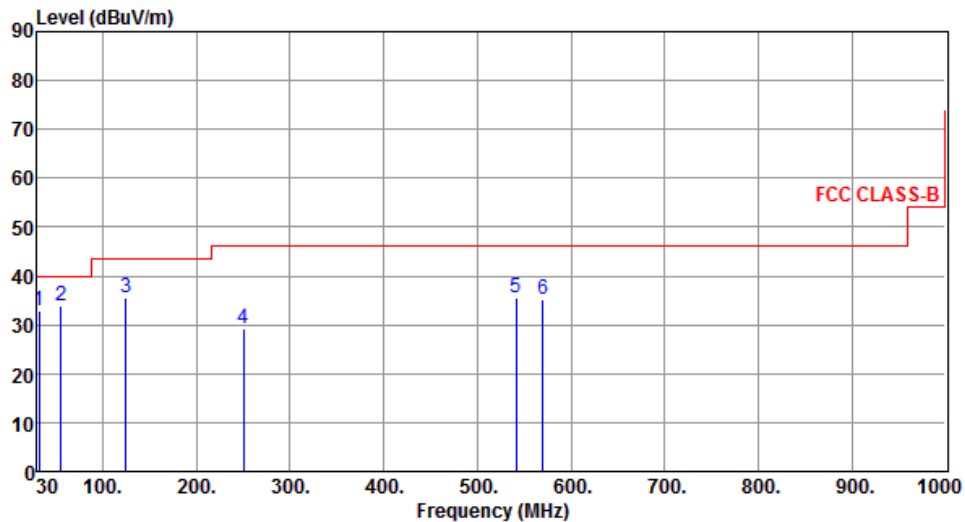


The graph displays the radiated unwanted emissions for a transmitter operating at 2412 MHz. The y-axis represents the emission level in dBUV/m, ranging from 0 to 90. The x-axis represents the frequency in MHz, ranging from 30 to 1000. A red line indicates the FCC CLASS-B limit, which is 40 dBUV/m from 30 MHz to 100 MHz, 45 dBUV/m from 100 MHz to 900 MHz, and 55 dBUV/m from 900 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	125.06	28.11	43.50	-15.39	43.26	-15.15	Peak	---	---
2	165.80	32.00	43.50	-11.50	45.71	-13.71	Peak	---	---
3	250.19	25.67	46.00	-20.33	40.14	-14.47	Peak	---	---
4	375.32	26.58	46.00	-19.42	37.33	-10.75	Peak	---	---
5	470.38	32.86	46.00	-13.14	41.23	-8.37	Peak	---	---
6	528.58	34.06	46.00	-11.94	41.59	-7.53	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	31.94	32.91	40.00	-7.09	46.91	-14.00	Peak	---	---
2	55.22	33.80	40.00	-6.20	47.06	-13.26	Peak	---	---
3	125.06	35.62	43.50	-7.88	50.77	-15.15	Peak	---	---
4	250.19	29.28	46.00	-16.72	43.75	-14.47	Peak	---	---
5	541.19	35.39	46.00	-10.61	42.70	-7.31	Peak	---	---
6	570.29	35.30	46.00	-10.70	41.82	-6.52	Peak	---	---

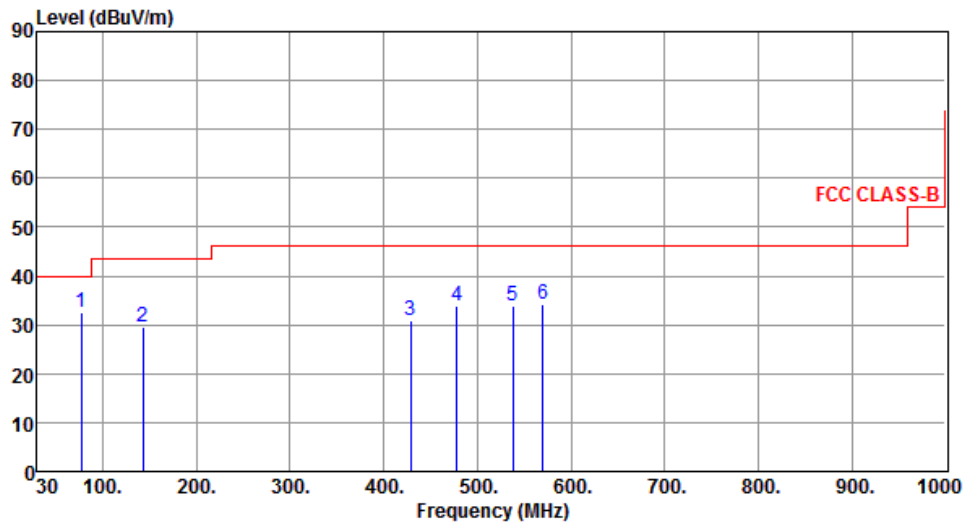
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*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	77.53	32.54	40.00	-7.46	49.65	-17.11	Peak	---	---
2	142.52	29.55	43.50	-13.95	43.07	-13.52	Peak	---	---
3	428.67	30.91	46.00	-15.09	40.18	-9.27	Peak	---	---
4	478.14	34.04	46.00	-11.96	42.31	-8.27	Peak	---	---
5	538.28	33.95	46.00	-12.05	41.32	-7.37	Peak	---	---
6	570.29	34.29	46.00	-11.71	40.81	-6.52	Peak	---	---

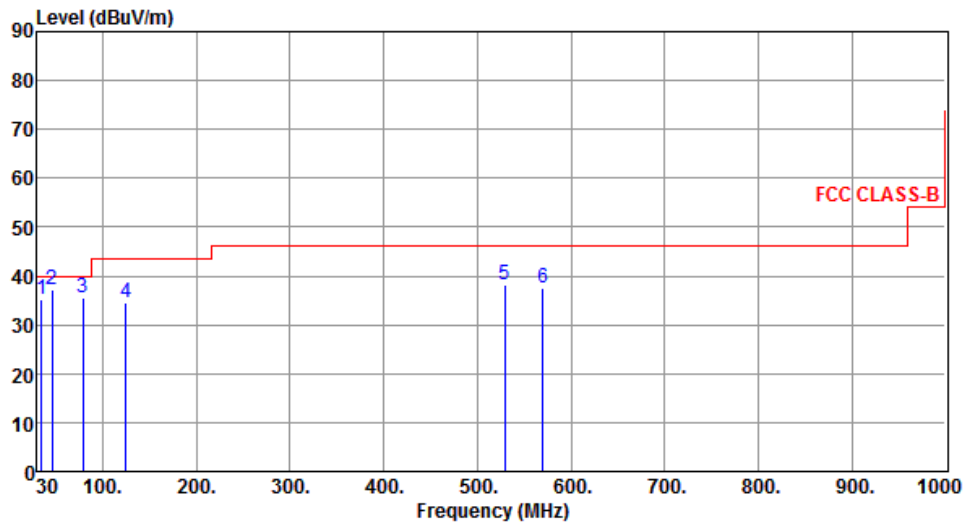
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*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	34.85	35.24	40.00	-4.76	49.28	-14.04	Peak	---	---
2	45.52	37.34	40.00	-2.66	50.50	-13.16	Peak	---	---
3	78.50	35.54	40.00	-4.46	52.88	-17.34	Peak	---	---
4	125.06	34.58	43.50	-8.92	49.73	-15.15	Peak	---	---
5	529.55	38.13	46.00	-7.87	45.65	-7.52	Peak	---	---
6	570.29	37.67	46.00	-8.33	44.19	-6.52	Peak	---	---

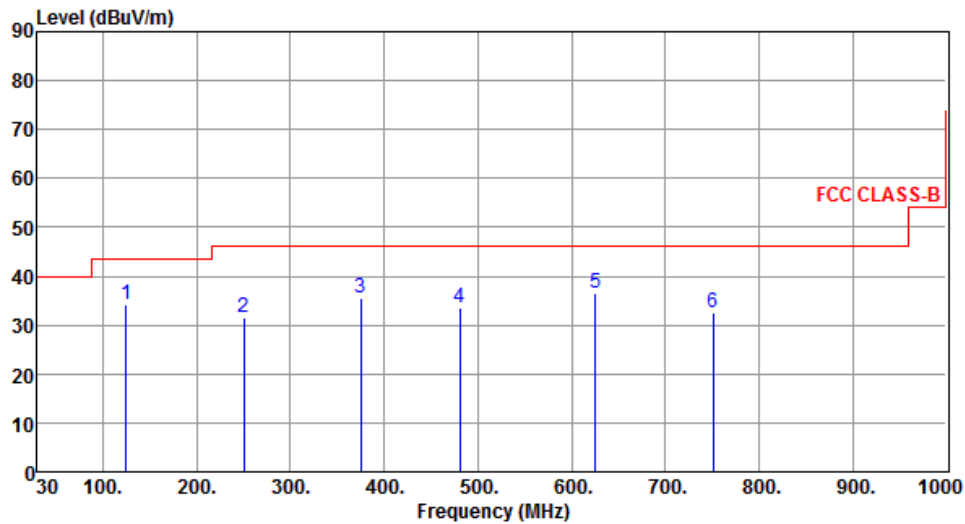
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*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	125.06	34.06	43.50	-9.44	49.21	-15.15	Peak	---	---
2	250.19	31.51	46.00	-14.49	45.98	-14.47	Peak	---	---
3	375.32	35.50	46.00	-10.50	46.25	-10.75	Peak	---	---
4	481.05	33.47	46.00	-12.53	41.70	-8.23	Peak	---	---
5	625.58	36.47	46.00	-9.53	41.73	-5.26	Peak	---	---
6	750.71	32.50	46.00	-13.50	35.65	-3.15	Peak	---	---

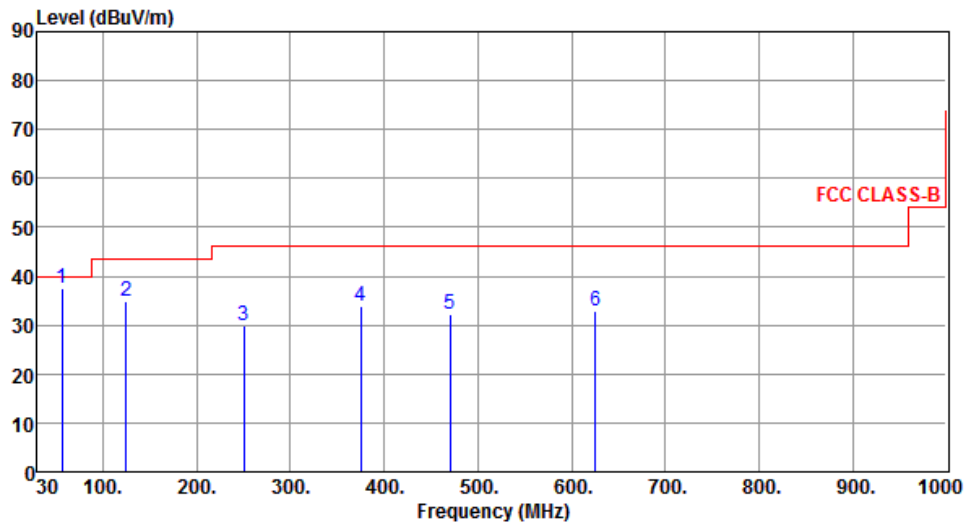
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*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	56.19	37.68	40.00	-2.32	51.00	-13.32	Peak	---	---
2	125.06	34.77	43.50	-8.73	49.92	-15.15	Peak	---	---
3	250.19	29.80	46.00	-16.20	44.27	-14.47	Peak	---	---
4	375.32	33.98	46.00	-12.02	44.73	-10.75	Peak	---	---
5	470.38	32.26	46.00	-13.74	40.63	-8.37	Peak	---	---
6	625.58	32.77	46.00	-13.23	38.03	-5.26	Peak	---	---

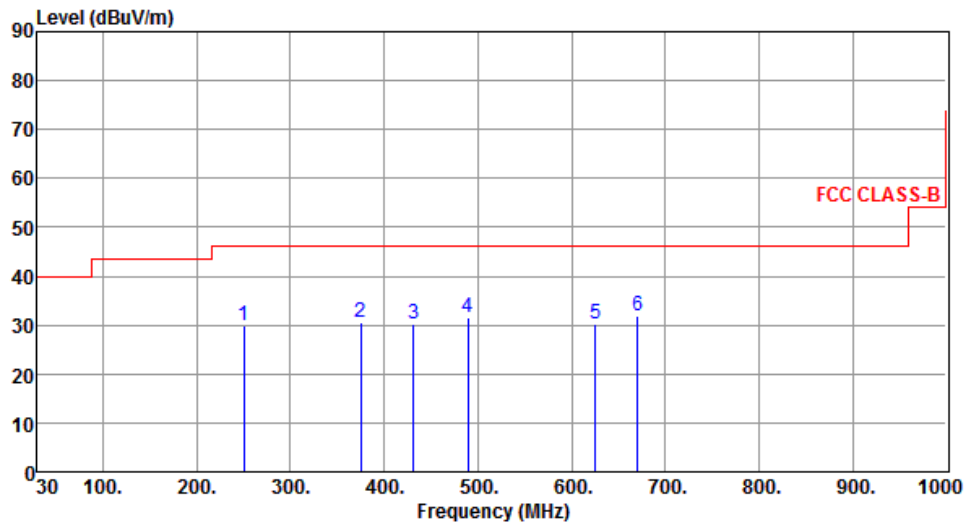
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*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	250.19	30.05	46.00	-15.95	44.93	-14.88	Peak	---	---
2	375.32	30.57	46.00	-15.43	41.76	-11.19	Peak	---	---
3	431.58	30.20	46.00	-15.80	39.87	-9.67	Peak	---	---
4	489.78	31.61	46.00	-14.39	40.28	-8.67	Peak	---	---
5	625.58	30.08	46.00	-15.92	35.95	-5.87	Peak	---	---
6	670.20	31.94	46.00	-14.06	37.20	-5.26	Peak	---	---

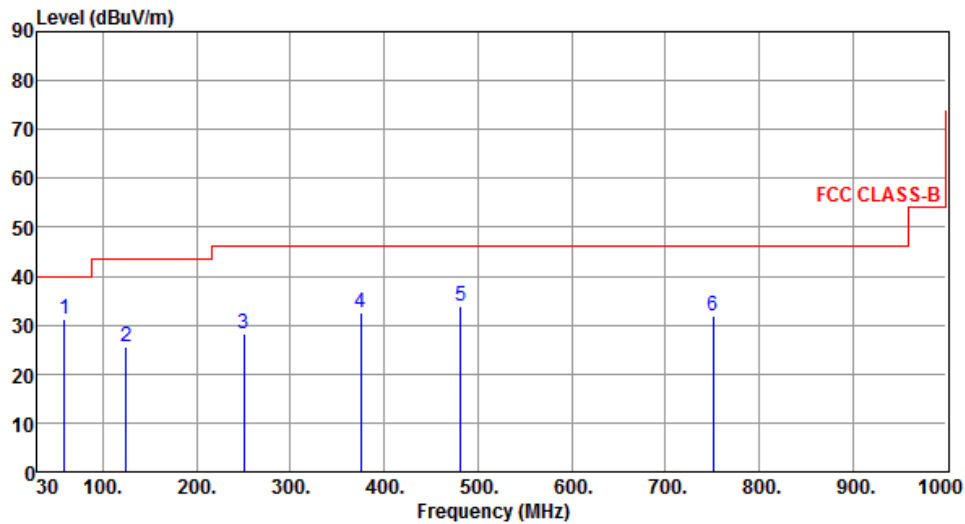
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*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	59.10	31.28	40.00	-8.72	44.76	-13.48	Peak	---	---
2	125.06	25.53	43.50	-17.97	40.68	-15.15	Peak	---	---
3	250.19	28.28	46.00	-17.72	42.75	-14.47	Peak	---	---
4	375.32	32.67	46.00	-13.33	43.42	-10.75	Peak	---	---
5	482.02	34.03	46.00	-11.97	42.25	-8.22	Peak	---	---
6	750.71	32.00	46.00	-14.00	35.15	-3.15	Peak	---	---

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

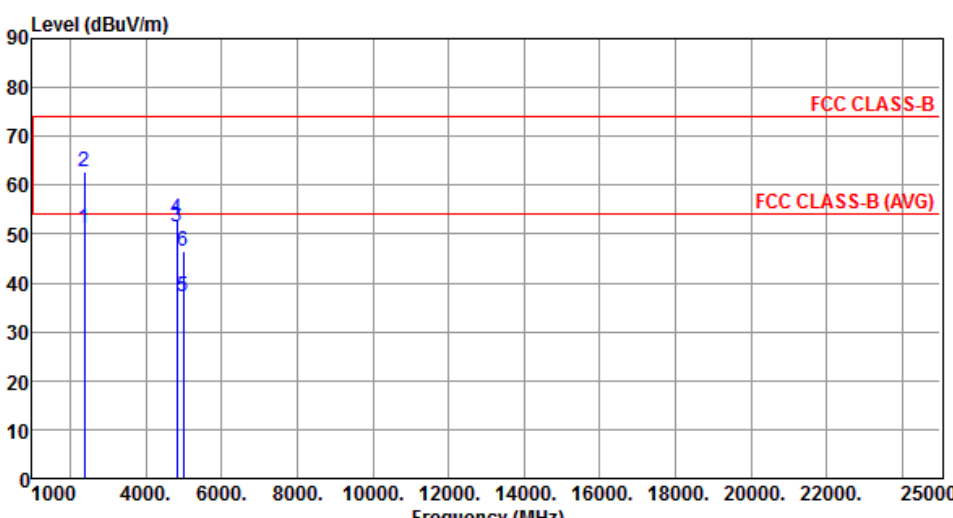
*Factor includes antenna factor , cable loss and amplifier gain

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

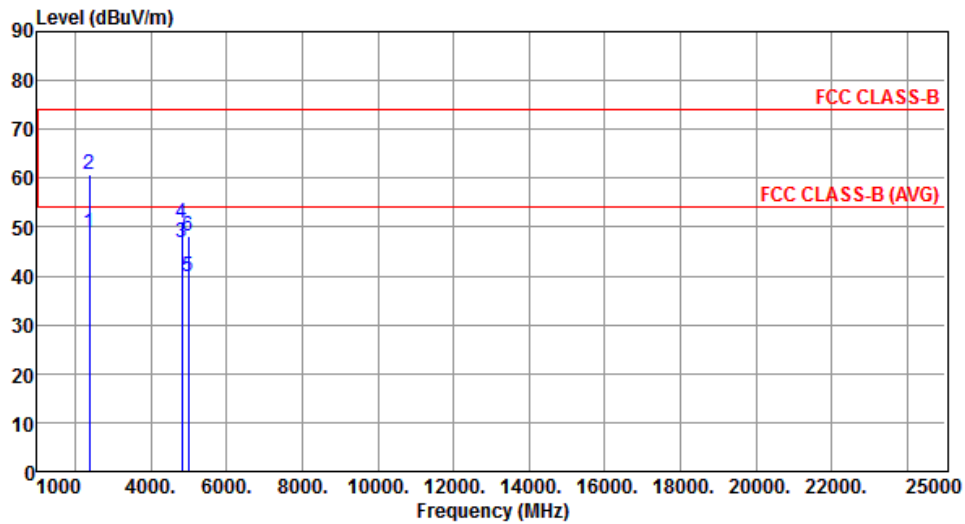
Modulation	11b	Test Freq. (MHz)	2412
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	51.15	54.00	-2.85	52.83	-1.68	Average	---	---
2	2390.00	62.73	74.00	-11.27	64.41	-1.68	Peak	---	---
3	4824.00	51.42	54.00	-2.58	46.02	5.40	Average	---	---
4	4824.00	53.13	74.00	-20.87	47.73	5.40	Peak	---	---
5	5000.00	37.31	54.00	-16.69	31.46	5.85	Average	---	---
6	5000.00	46.40	74.00	-27.60	40.55	5.85	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



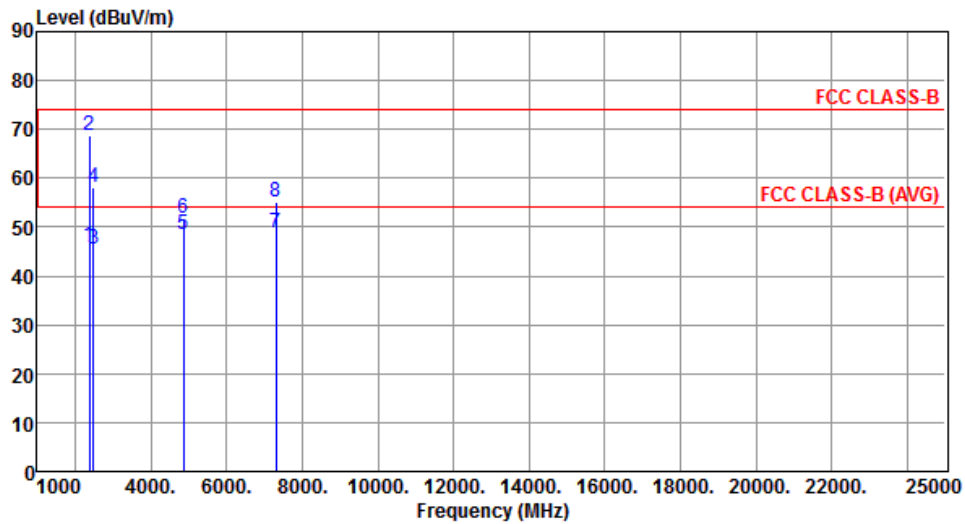
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	48.79	54.00	-5.21	50.47	-1.68	Average	---	---
2	2390.00	60.87	74.00	-13.13	62.55	-1.68	Peak	---	---
3	4824.00	46.89	54.00	-7.11	41.49	5.40	Average	---	---
4	4824.00	50.96	74.00	-23.04	45.56	5.40	Peak	---	---
5	5000.00	39.76	54.00	-14.24	33.91	5.85	Average	---	---
6	5000.00	48.05	74.00	-25.95	42.20	5.85	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



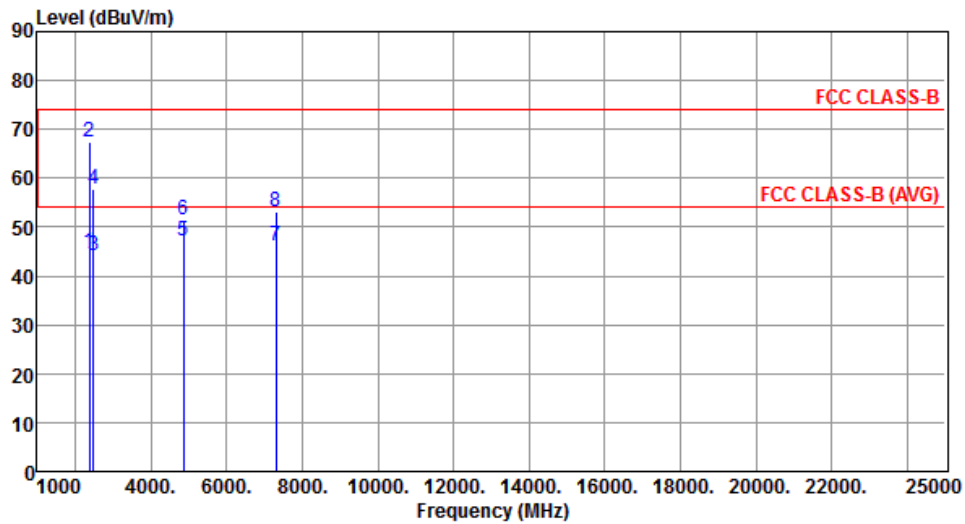
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	46.24	54.00	-7.76	47.92	-1.68	Average	---	---
2	2390.00	68.90	74.00	-5.10	70.58	-1.68	Peak	---	---
3	2483.50	45.34	54.00	-8.66	46.68	-1.34	Average	---	---
4	2483.50	58.24	74.00	-15.76	59.58	-1.34	Peak	---	---
5	4874.00	48.45	54.00	-5.55	42.92	5.53	Average	---	---
6	4874.00	51.69	74.00	-22.31	46.16	5.53	Peak	---	---
7	7311.00	48.68	54.00	-5.32	37.39	11.29	Average	---	---
8	7311.00	55.01	74.00	-18.99	43.72	11.29	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



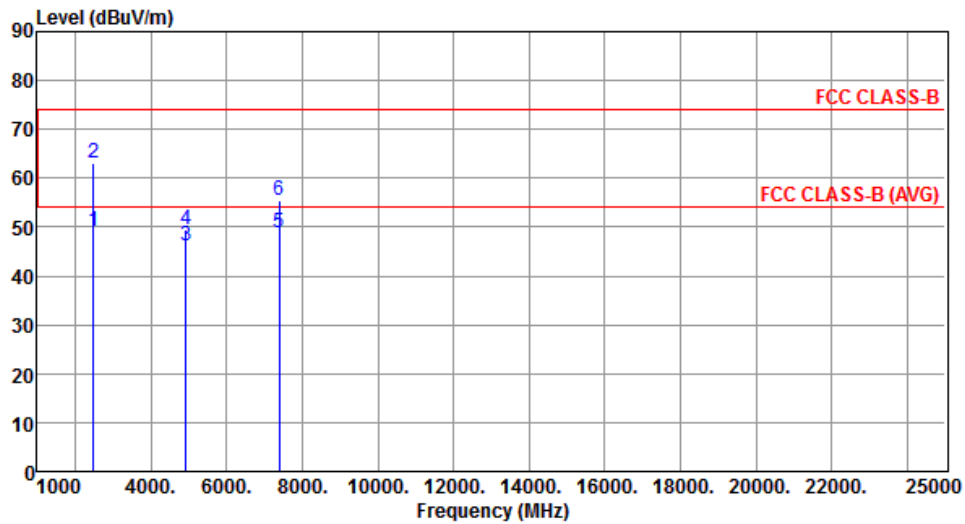
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	44.85	54.00	-9.15	46.53	-1.68	Average	---	---
2	2390.00	67.37	74.00	-6.63	69.05	-1.68	Peak	---	---
3	2483.50	44.26	54.00	-9.74	45.60	-1.34	Average	---	---
4	2483.50	57.91	74.00	-16.09	59.25	-1.34	Peak	---	---
5	4874.00	47.16	54.00	-6.84	41.63	5.53	Average	---	---
6	4874.00	51.52	74.00	-22.48	45.99	5.53	Peak	---	---
7	7311.00	46.32	54.00	-7.68	35.03	11.29	Average	---	---
8	7311.00	53.19	74.00	-20.81	41.90	11.29	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



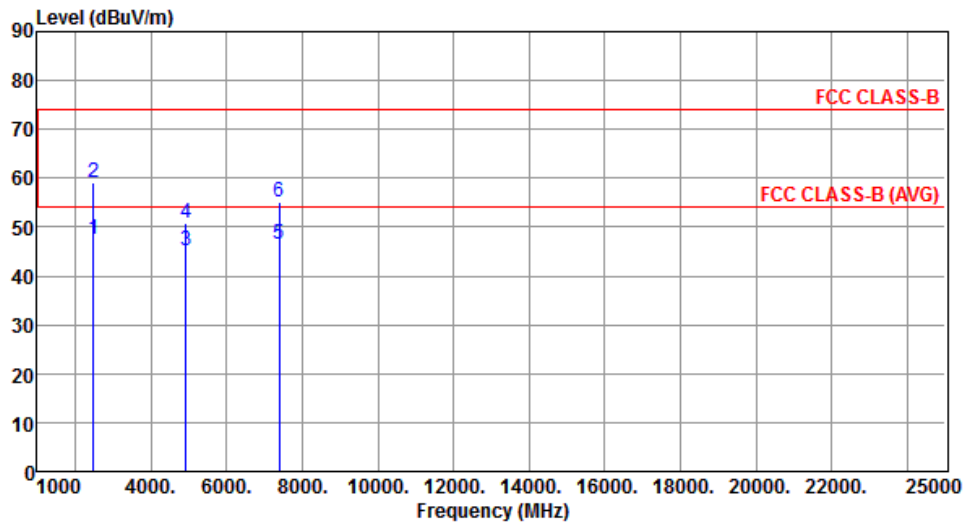
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2483.50	49.15	54.00	-4.85	50.49	-1.34	Average	---	---
2	2483.50	63.22	74.00	-10.78	64.56	-1.34	Peak	---	---
3	4924.00	46.06	54.00	-7.94	40.41	5.65	Average	---	---
4	4924.00	49.48	74.00	-24.52	43.83	5.65	Peak	---	---
5	7386.00	48.97	54.00	-5.03	37.65	11.32	Average	---	---
6	7386.00	55.53	74.00	-18.47	44.21	11.32	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



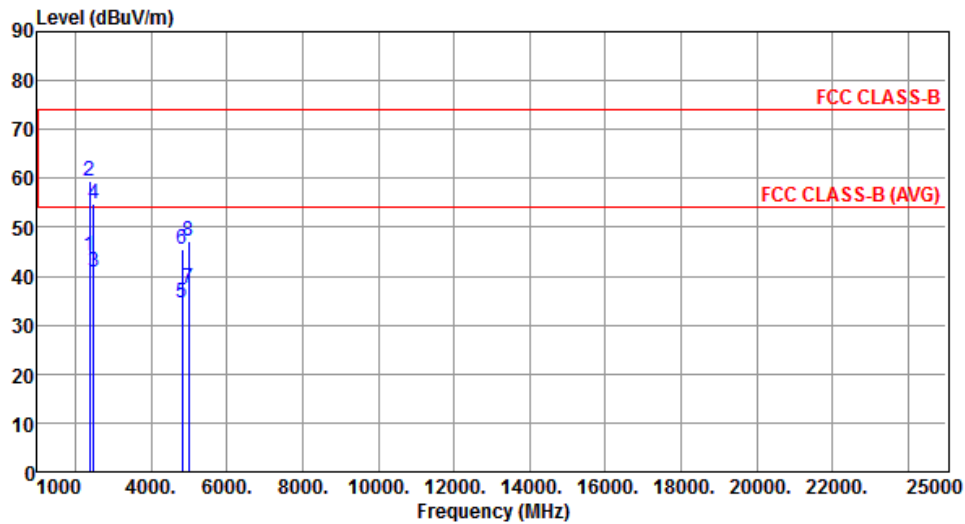
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2483.50	47.43	54.00	-6.57	48.77	-1.34	Average	---	---
2	2483.50	58.95	74.00	-15.05	60.29	-1.34	Peak	---	---
3	4924.00	45.22	54.00	-8.78	39.57	5.65	Average	---	---
4	4924.00	50.87	74.00	-23.13	45.22	5.65	Peak	---	---
5	7386.00	46.44	54.00	-7.56	35.12	11.32	Average	---	---
6	7386.00	55.18	74.00	-18.82	43.86	11.32	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



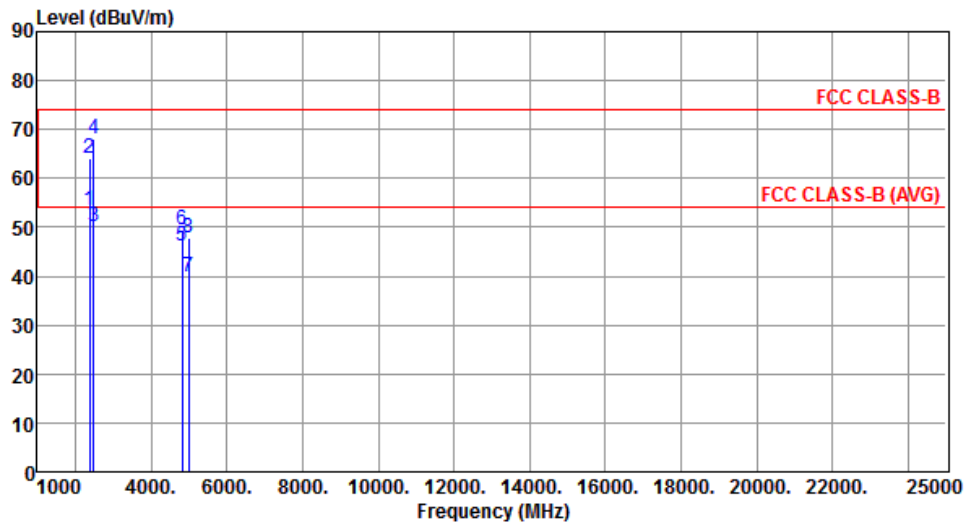
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2387.00	44.33	54.00	-9.67	46.02	-1.69	Average	---	---
2	2387.00	59.55	74.00	-14.45	61.24	-1.69	Peak	---	---
3	2483.50	40.72	54.00	-13.28	42.06	-1.34	Average	---	---
4	2483.50	54.75	74.00	-19.25	56.09	-1.34	Peak	---	---
5	4824.00	34.68	54.00	-19.32	29.28	5.40	Average	---	---
6	4824.00	45.52	74.00	-28.48	40.12	5.40	Peak	---	---
7	5000.00	37.48	54.00	-16.52	31.63	5.85	Average	---	---
8	5000.00	47.15	74.00	-26.85	41.30	5.85	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



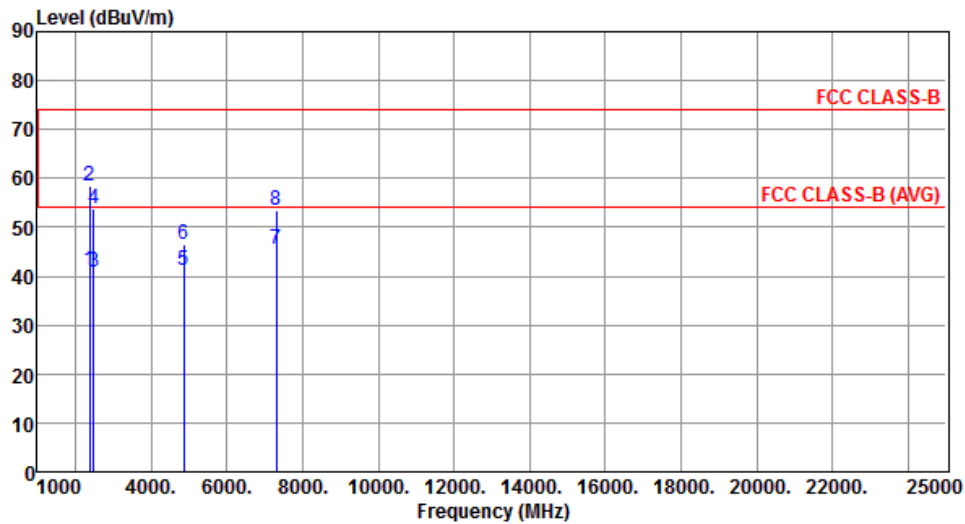
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2387.00	53.48	54.00	-0.52	55.17	-1.69	Average	---	---
2	2387.00	64.11	74.00	-9.89	65.80	-1.69	Peak	---	---
3	2483.50	50.10	54.00	-3.90	51.44	-1.34	Average	---	---
4	2483.50	68.20	74.00	-5.80	69.54	-1.34	Peak	---	---
5	4824.00	46.04	54.00	-7.96	40.64	5.40	Average	---	---
6	4824.00	49.60	74.00	-24.40	44.20	5.40	Peak	---	---
7	5000.00	39.96	54.00	-14.04	34.11	5.85	Average	---	---
8	5000.00	47.95	74.00	-26.05	42.10	5.85	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



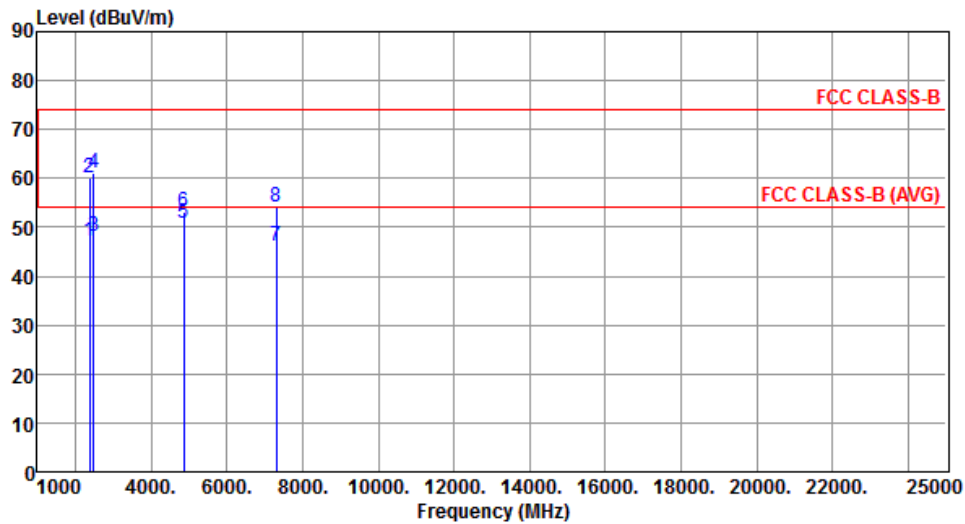
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	41.20	54.00	-12.80	42.88	-1.68	Average	---	---
2	2390.00	58.50	74.00	-15.50	60.18	-1.68	Peak	---	---
3	2483.50	41.01	54.00	-12.99	42.35	-1.34	Average	---	---
4	2483.50	53.65	74.00	-20.35	54.99	-1.34	Peak	---	---
5	4874.00	41.26	54.00	-12.74	35.73	5.53	Average	---	---
6	4874.00	46.48	74.00	-27.52	40.95	5.53	Peak	---	---
7	7311.00	45.57	54.00	-8.43	34.28	11.29	Average	---	---
8	7311.00	53.41	74.00	-20.59	42.12	11.29	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



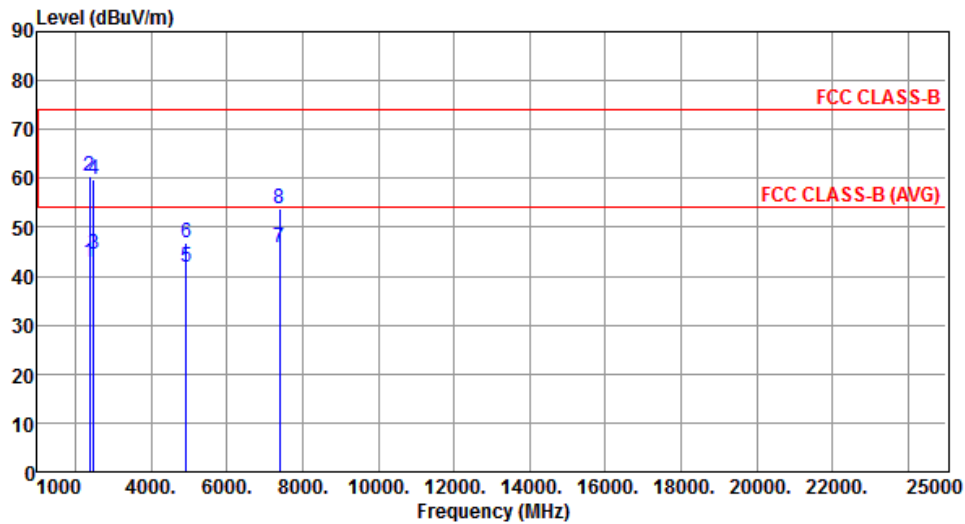
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	47.29	54.00	-6.71	48.97	-1.68	Average	---	---
2	2390.00	59.96	74.00	-14.04	61.64	-1.68	Peak	---	---
3	2483.50	48.21	54.00	-5.79	49.55	-1.34	Average	---	---
4	2483.50	61.23	74.00	-12.77	62.57	-1.34	Peak	---	---
5	4874.00	50.92	54.00	-3.08	45.39	5.53	Average	---	---
6	4874.00	53.20	74.00	-20.80	47.67	5.53	Peak	---	---
7	7311.00	46.10	54.00	-7.90	34.81	11.29	Average	---	---
8	7311.00	54.29	74.00	-19.71	43.00	11.29	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



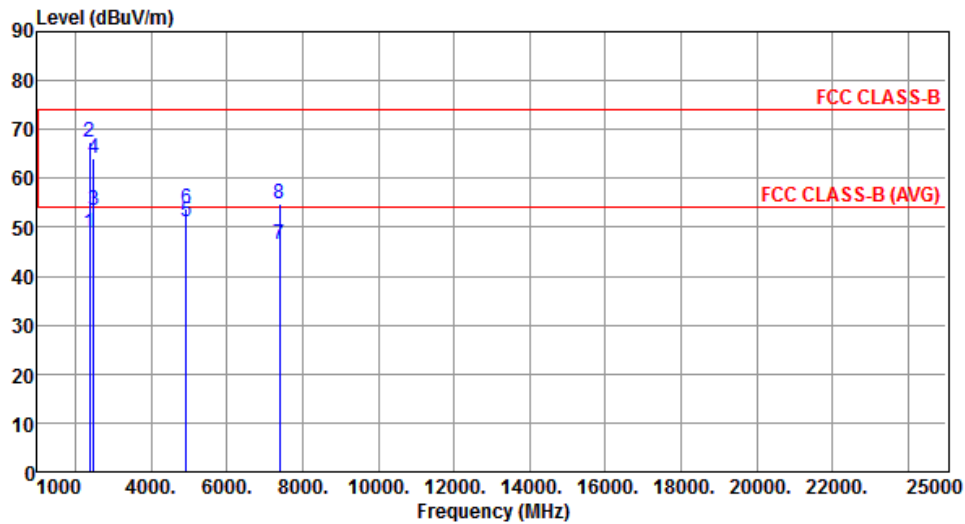
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	42.72	54.00	-11.28	44.40	-1.68	Average	---	---
2	2390.00	60.36	74.00	-13.64	62.04	-1.68	Peak	---	---
3	2483.50	44.50	54.00	-9.50	45.84	-1.34	Average	---	---
4	2483.50	59.76	74.00	-14.24	61.10	-1.34	Peak	---	---
5	4924.00	41.88	54.00	-12.12	36.23	5.65	Average	---	---
6	4924.00	46.91	74.00	-27.09	41.26	5.65	Peak	---	---
7	7386.00	45.97	54.00	-8.03	34.65	11.32	Average	---	---
8	7386.00	53.88	74.00	-20.12	42.56	11.32	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	2390.00	48.67	54.00	-5.33	50.35	-1.68	Average	---	---
2	2390.00	67.51	74.00	-6.49	69.19	-1.68	Peak	---	---
3	2483.50	53.55	54.00	-0.45	54.89	-1.34	Average	---	---
4	2483.50	64.00	74.00	-10.00	65.34	-1.34	Peak	---	---
5	4924.00	51.27	54.00	-2.73	45.62	5.65	Average	---	---
6	4924.00	53.69	74.00	-20.31	48.04	5.65	Peak	---	---
7	7386.00	46.58	54.00	-7.42	35.26	11.32	Average	---	---
8	7386.00	54.72	74.00	-19.28	43.40	11.32	Peak	---	---

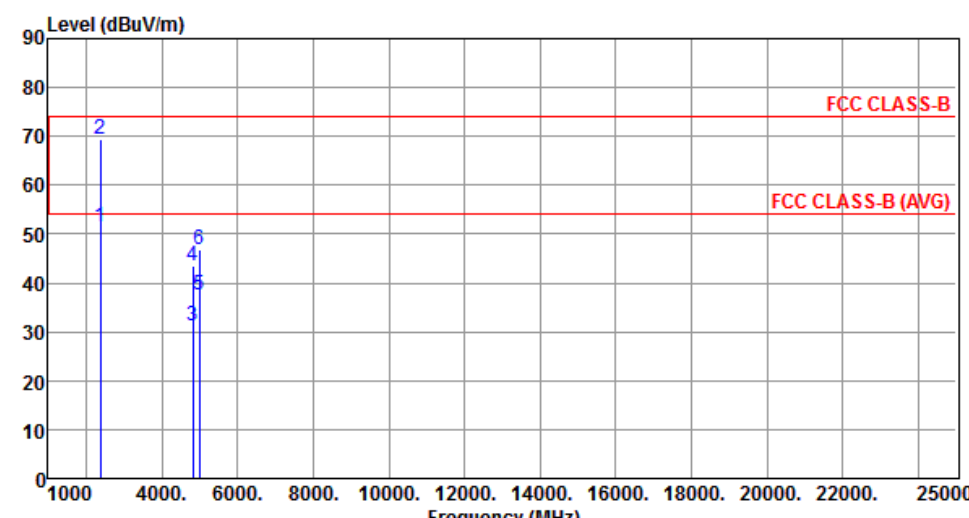
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*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

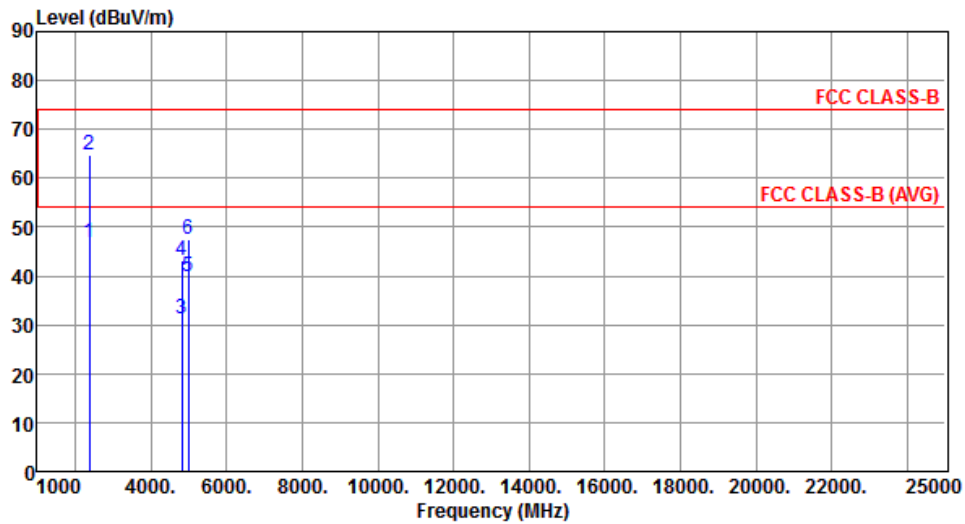
Modulation	11g	Test Freq. (MHz)	2412
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	51.35	54.00	-2.65	53.03	-1.68	Average	---	---
2	2390.00	69.52	74.00	-4.48	71.20	-1.68	Peak	---	---
3	4824.00	31.29	54.00	-22.71	25.89	5.40	Average	---	---
4	4824.00	43.47	74.00	-30.53	38.07	5.40	Peak	---	---
5	5000.00	37.69	54.00	-16.31	31.84	5.85	Average	---	---
6	5000.00	46.74	74.00	-27.26	40.89	5.85	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



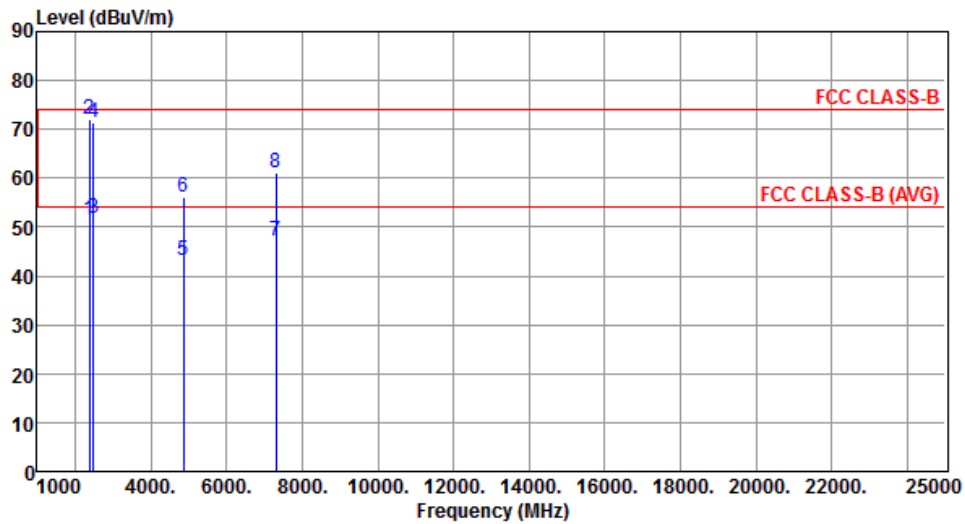
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	46.70	54.00	-7.30	48.38	-1.68	Average	---	---
2	2390.00	64.63	74.00	-9.37	66.31	-1.68	Peak	---	---
3	4824.00	31.38	54.00	-22.62	25.98	5.40	Average	---	---
4	4824.00	43.21	74.00	-30.79	37.81	5.40	Peak	---	---
5	5000.00	39.70	54.00	-14.30	33.85	5.85	Average	---	---
6	5000.00	47.54	74.00	-26.46	41.69	5.85	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



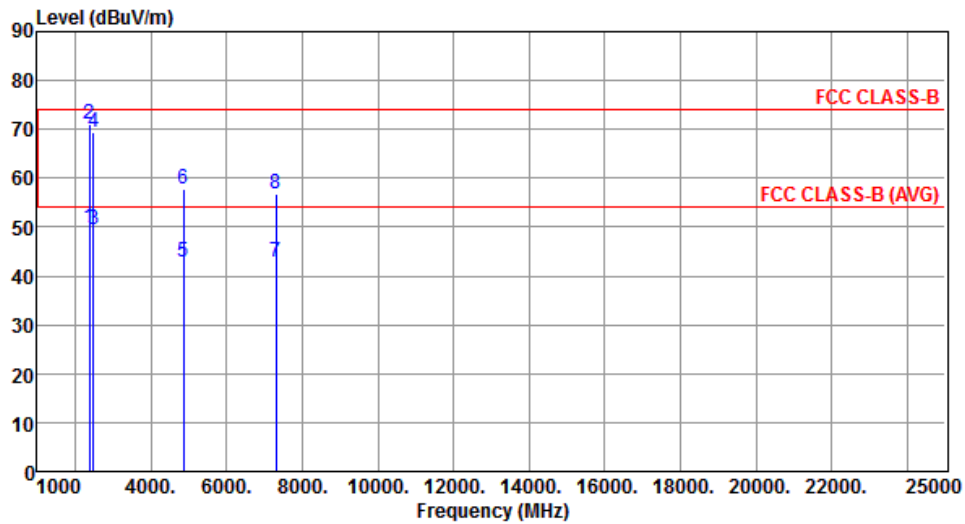
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	51.62	54.00	-2.38	53.30	-1.68	Average	---	---
2	2390.00	72.20	74.00	-1.80	73.88	-1.68	Peak	---	---
3	2483.50	51.88	54.00	-2.12	53.22	-1.34	Average	---	---
4	2483.50	71.32	74.00	-2.68	72.66	-1.34	Peak	---	---
5	4874.00	43.22	54.00	-10.78	37.69	5.53	Average	---	---
6	4874.00	56.29	74.00	-17.71	50.76	5.53	Peak	---	---
7	7311.00	47.17	54.00	-6.83	35.88	11.29	Average	---	---
8	7311.00	61.00	74.00	-13.00	49.71	11.29	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



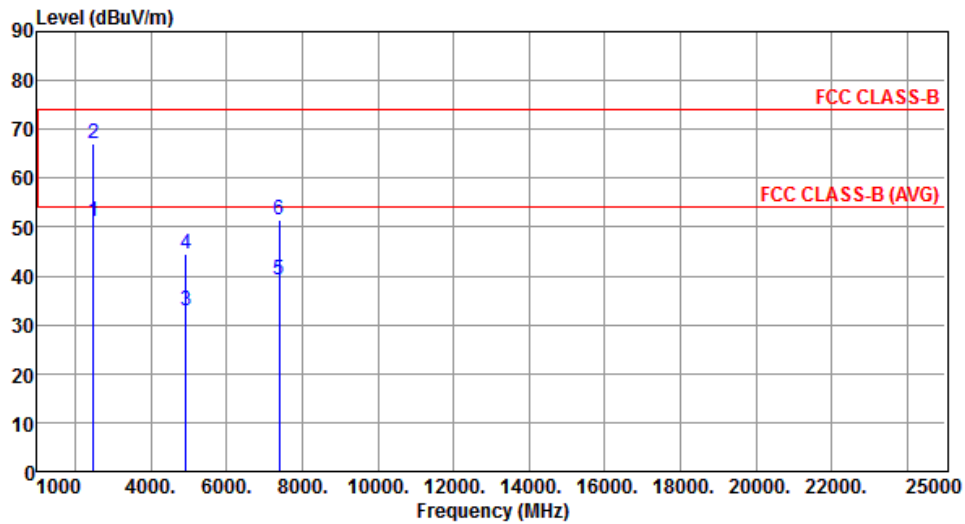
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	49.73	54.00	-4.27	51.41	-1.68	Average	---	---
2	2390.00	70.95	74.00	-3.05	72.63	-1.68	Peak	---	---
3	2483.50	49.39	54.00	-4.61	50.73	-1.34	Average	---	---
4	2483.50	69.32	74.00	-4.68	70.66	-1.34	Peak	---	---
5	4874.00	42.72	54.00	-11.28	37.19	5.53	Average	---	---
6	4874.00	57.92	74.00	-16.08	52.39	5.53	Peak	---	---
7	7311.00	42.99	54.00	-11.01	31.70	11.29	Average	---	---
8	7311.00	56.88	74.00	-17.12	45.59	11.29	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



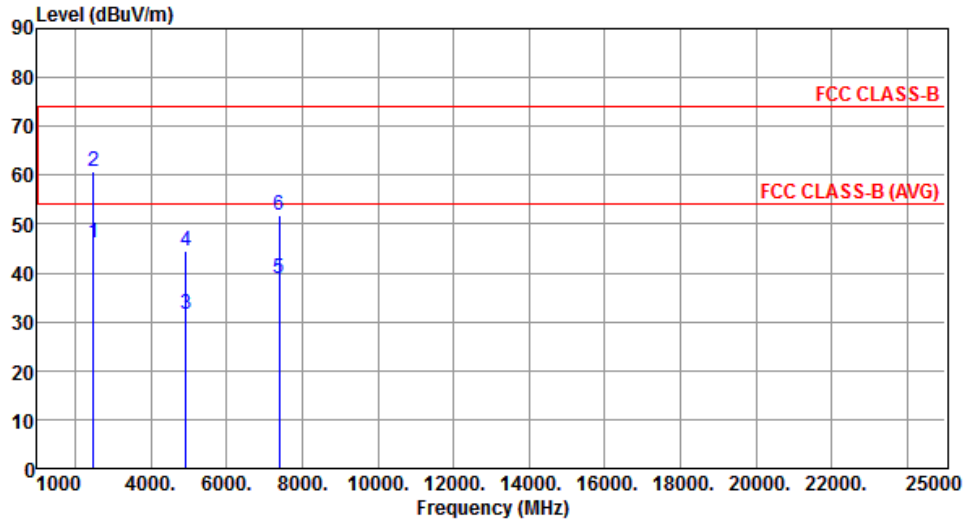
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2483.50	51.29	54.00	-2.71	52.63	-1.34	Average	---	---
2	2483.50	67.12	74.00	-6.88	68.46	-1.34	Peak	---	---
3	4924.00	32.74	54.00	-21.26	27.09	5.65	Average	---	---
4	4924.00	44.42	74.00	-29.58	38.77	5.65	Peak	---	---
5	7386.00	39.34	54.00	-14.66	28.02	11.32	Average	---	---
6	7386.00	51.38	74.00	-22.62	40.06	11.32	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



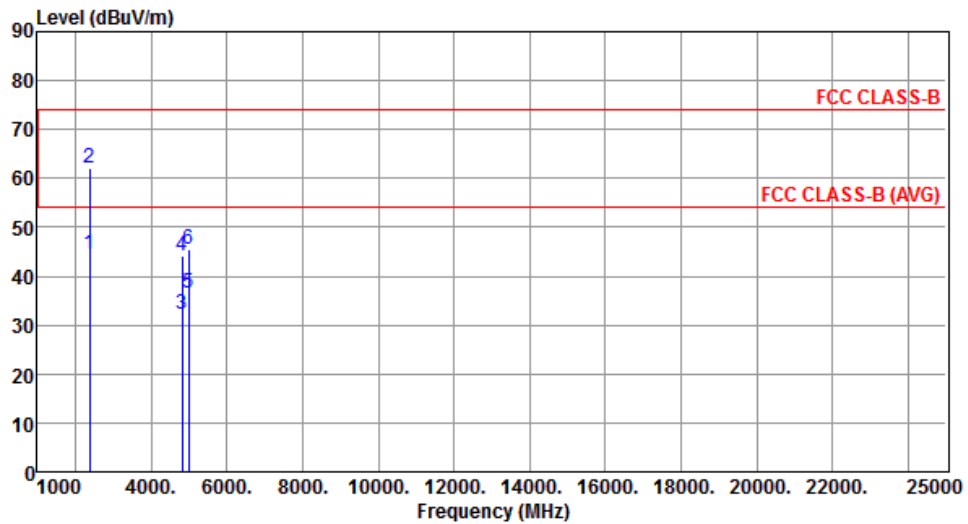
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2483.50	46.18	54.00	-7.82	47.52	-1.34	Average	---	---
2	2483.50	60.91	74.00	-13.09	62.25	-1.34	Peak	---	---
3	4924.00	31.63	54.00	-22.37	25.98	5.65	Average	---	---
4	4924.00	44.61	74.00	-29.39	38.96	5.65	Peak	---	---
5	7386.00	38.98	54.00	-15.02	27.66	11.32	Average	---	---
6	7386.00	51.84	74.00	-22.16	40.52	11.32	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



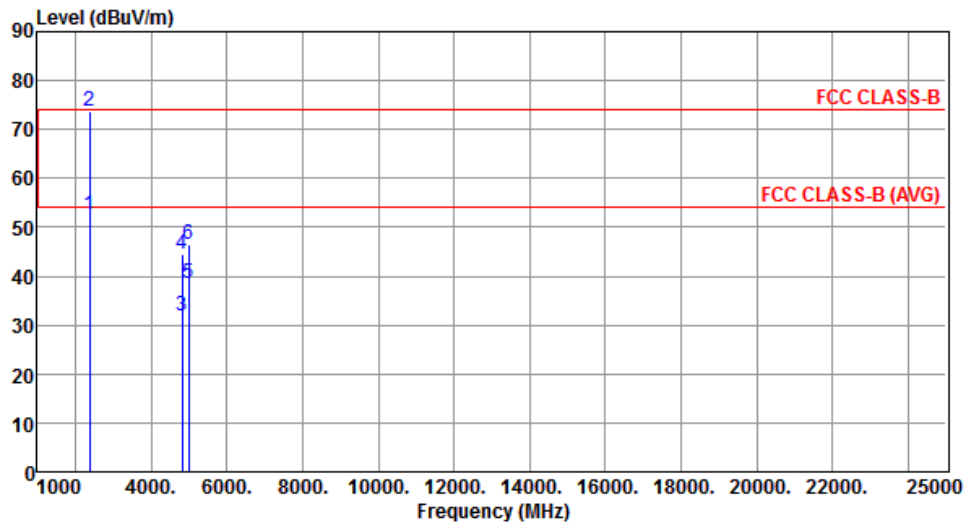
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	44.60	54.00	-9.40	46.28	-1.68	Average	---	---
2	2390.00	62.18	74.00	-11.82	63.86	-1.68	Peak	---	---
3	4824.00	32.36	54.00	-21.64	26.96	5.40	Average	---	---
4	4824.00	44.28	74.00	-29.72	38.88	5.40	Peak	---	---
5	5000.00	36.69	54.00	-17.31	30.84	5.85	Average	---	---
6	5000.00	45.51	74.00	-28.49	39.66	5.85	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



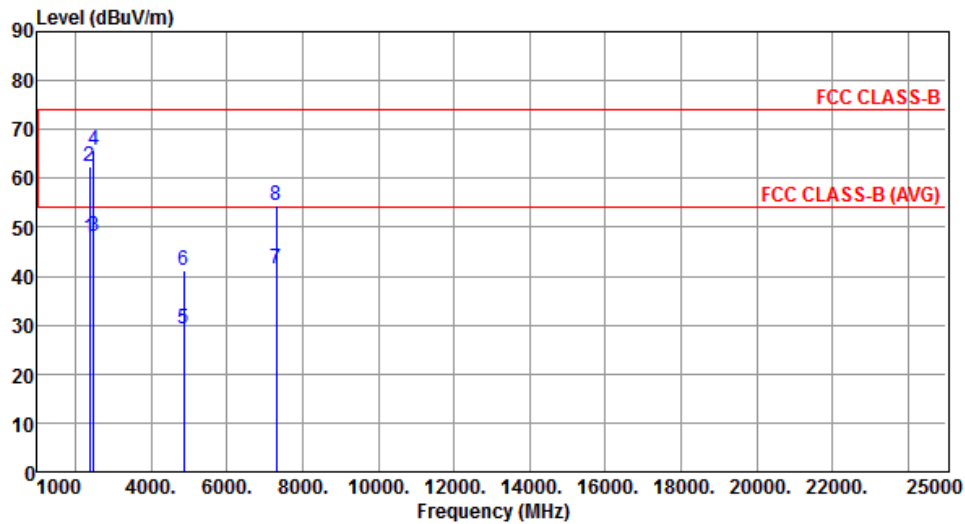
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	52.63	54.00	-1.37	54.31	-1.68	Average	---	---
2	2390.00	73.64	74.00	-0.36	75.32	-1.68	Peak	---	---
3	4824.00	31.88	54.00	-22.12	26.48	5.40	Average	---	---
4	4824.00	44.37	74.00	-29.63	38.97	5.40	Peak	---	---
5	5000.00	38.51	54.00	-15.49	32.66	5.85	Average	---	---
6	5000.00	46.61	74.00	-27.39	40.76	5.85	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



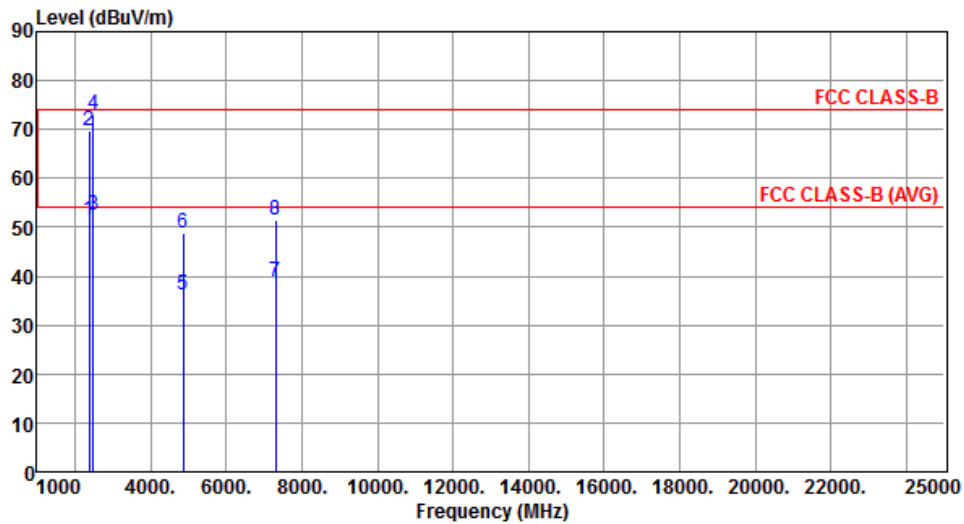
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	47.79	54.00	-6.21	49.47	-1.68	Average	---	---
2	2390.00	62.54	74.00	-11.46	64.22	-1.68	Peak	---	---
3	2483.50	48.18	54.00	-5.82	49.52	-1.34	Average	---	---
4	2483.50	65.73	74.00	-8.27	67.07	-1.34	Peak	---	---
5	4874.00	29.25	54.00	-24.75	23.72	5.53	Average	---	---
6	4874.00	41.29	74.00	-32.71	35.76	5.53	Peak	---	---
7	7311.00	41.41	54.00	-12.59	30.12	11.29	Average	---	---
8	7311.00	54.48	74.00	-19.52	43.19	11.29	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



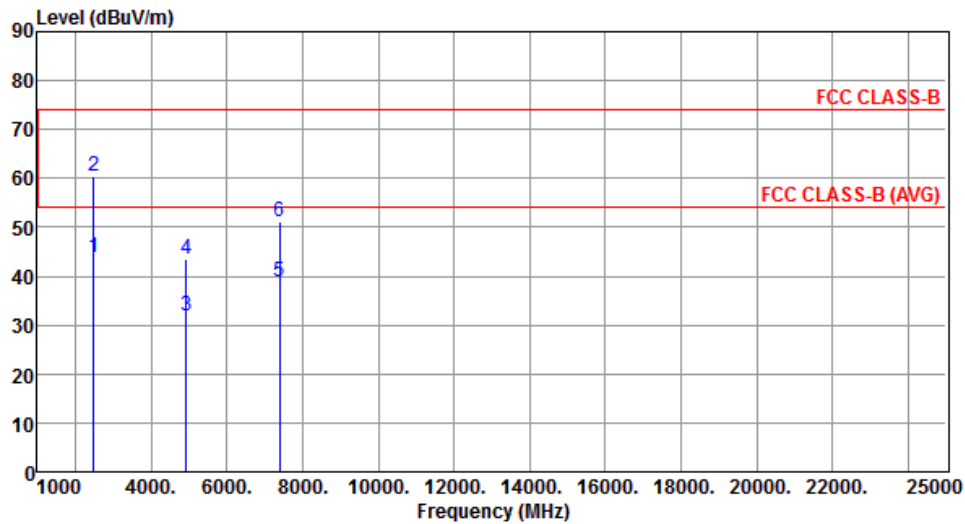
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	51.64	54.00	-2.36	53.32	-1.68	Average	---	---
2	2390.00	69.63	74.00	-4.37	71.31	-1.68	Peak	---	---
3	2483.50	52.43	54.00	-1.57	53.77	-1.34	Average	---	---
4	2483.50	73.11	74.00	-0.89	74.45	-1.34	Peak	---	---
5	4874.00	36.28	54.00	-17.72	30.75	5.53	Average	---	---
6	4874.00	48.91	74.00	-25.09	43.38	5.53	Peak	---	---
7	7311.00	38.81	54.00	-15.19	27.52	11.29	Average	---	---
8	7311.00	51.42	74.00	-22.58	40.13	11.29	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



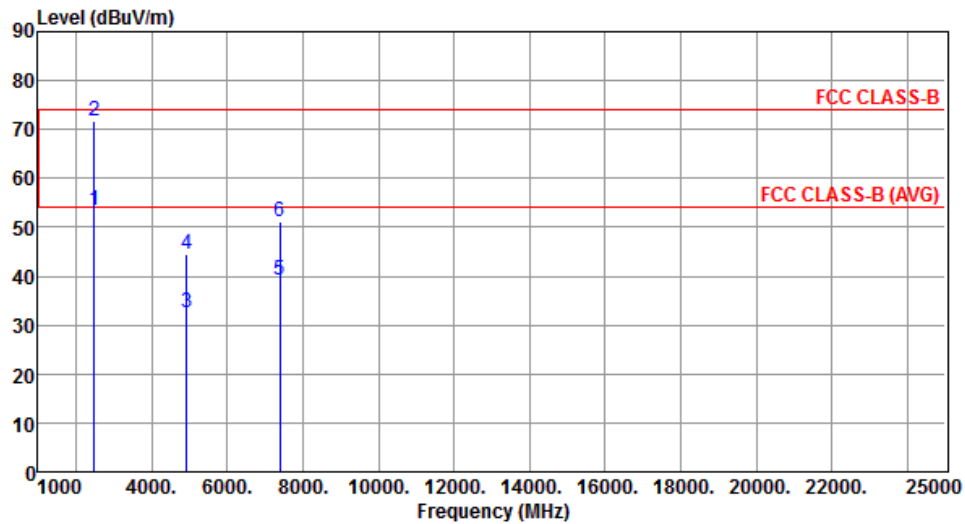
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2483.50	43.75	54.00	-10.25	45.09	-1.34	Average	---	---
2	2483.50	60.30	74.00	-13.70	61.64	-1.34	Peak	---	---
3	4924.00	31.73	54.00	-22.27	26.08	5.65	Average	---	---
4	4924.00	43.46	74.00	-30.54	37.81	5.65	Peak	---	---
5	7386.00	38.99	54.00	-15.01	27.67	11.32	Average	---	---
6	7386.00	51.25	74.00	-22.75	39.93	11.32	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	2483.50	53.61	54.00	-0.39	54.95	-1.34	Average	---	---
2	2483.50	71.72	74.00	-2.28	73.06	-1.34	Peak	---	---
3	4924.00	32.50	54.00	-21.50	26.85	5.65	Average	---	---
4	4924.00	44.51	74.00	-29.49	38.86	5.65	Peak	---	---
5	7386.00	39.20	54.00	-14.80	27.88	11.32	Average	---	---
6	7386.00	51.09	74.00	-22.91	39.77	11.32	Peak	---	---

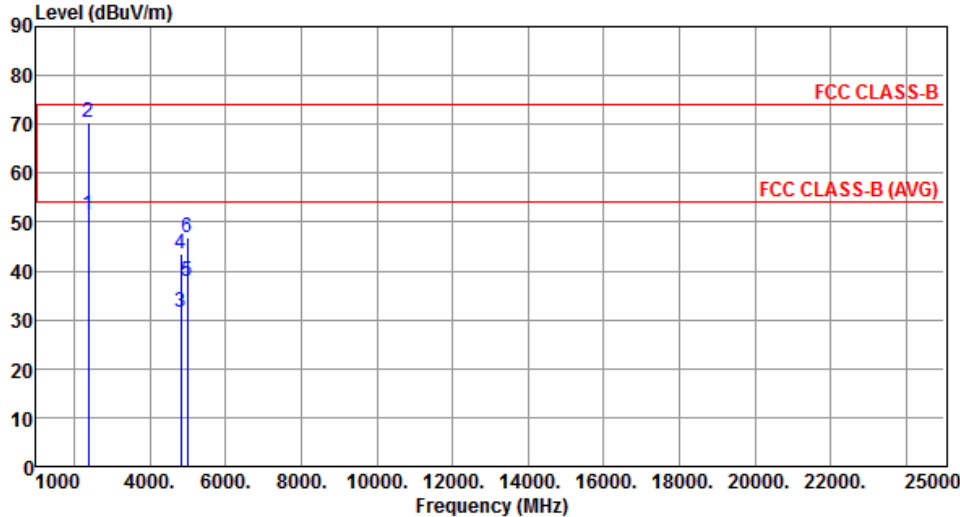
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*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

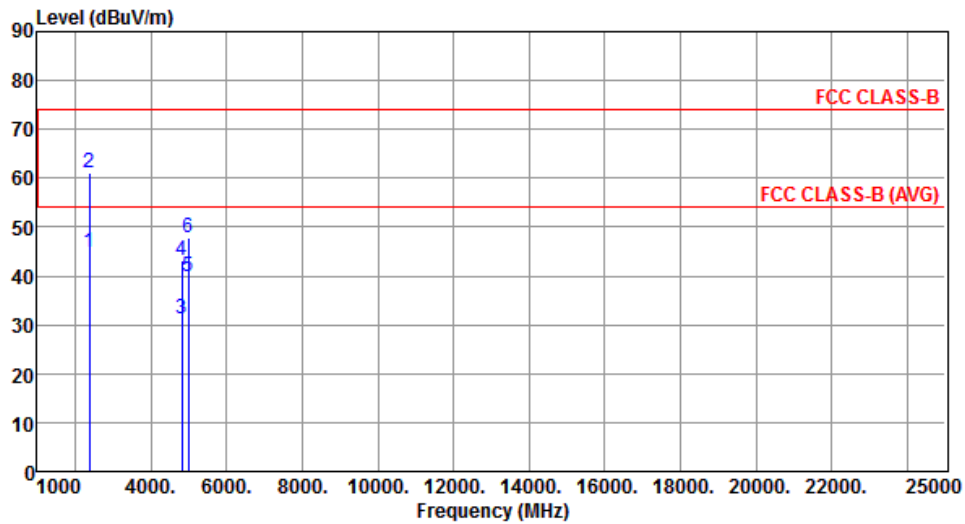
Modulation	HT20	Test Freq. (MHz)	2412
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	51.43	54.00	-2.57	53.11	-1.68	Average	---	---
2	2390.00	70.40	74.00	-3.60	72.08	-1.68	Peak	---	---
3	4824.00	31.50	54.00	-22.50	26.10	5.40	Average	---	---
4	4824.00	43.57	74.00	-30.43	38.17	5.40	Peak	---	---
5	5000.00	37.72	54.00	-16.28	31.87	5.85	Average	---	---
6	5000.00	46.70	74.00	-27.30	40.85	5.85	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



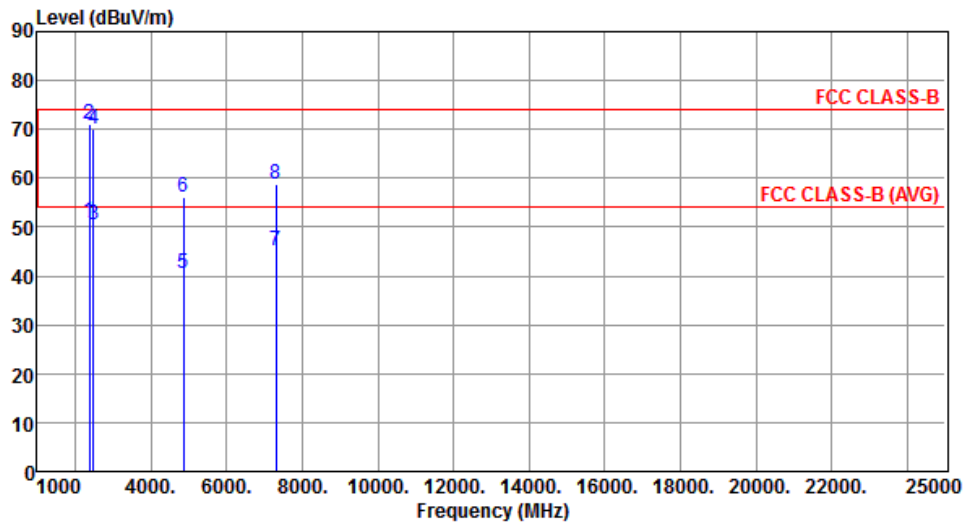
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	44.97	54.00	-9.03	46.65	-1.68	Average	---	---
2	2390.00	61.06	74.00	-12.94	62.74	-1.68	Peak	---	---
3	4824.00	31.38	54.00	-22.62	25.98	5.40	Average	---	---
4	4824.00	43.22	74.00	-30.78	37.82	5.40	Peak	---	---
5	5000.00	39.88	54.00	-14.12	34.03	5.85	Average	---	---
6	5000.00	47.97	74.00	-26.03	42.12	5.85	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



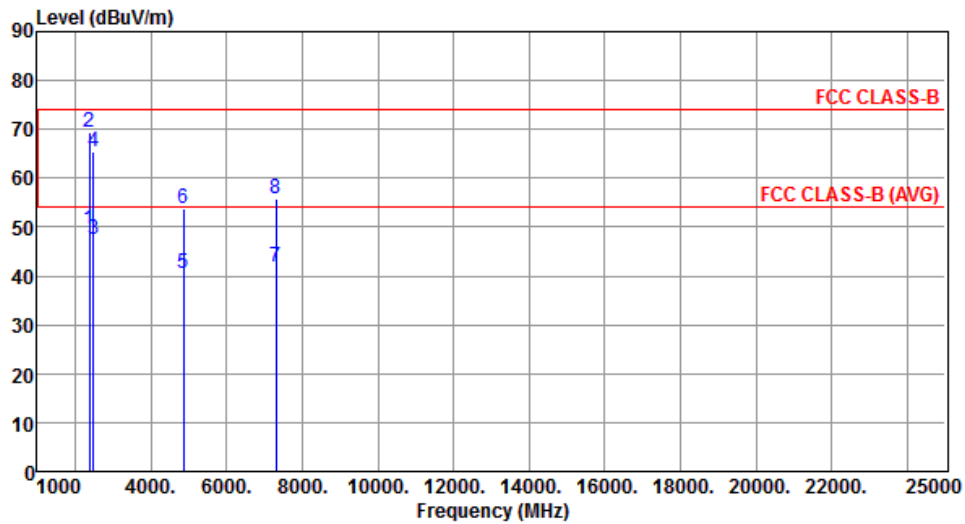
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	51.23	54.00	-2.77	52.91	-1.68	Average	---	---
2	2390.00	71.10	74.00	-2.90	72.78	-1.68	Peak	---	---
3	2483.50	50.57	54.00	-3.43	51.91	-1.34	Average	---	---
4	2483.50	70.23	74.00	-3.77	71.57	-1.34	Peak	---	---
5	4874.00	40.48	54.00	-13.52	34.95	5.53	Average	---	---
6	4874.00	55.99	74.00	-18.01	50.46	5.53	Peak	---	---
7	7311.00	45.19	54.00	-8.81	33.90	11.29	Average	---	---
8	7311.00	58.69	74.00	-15.31	47.40	11.29	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



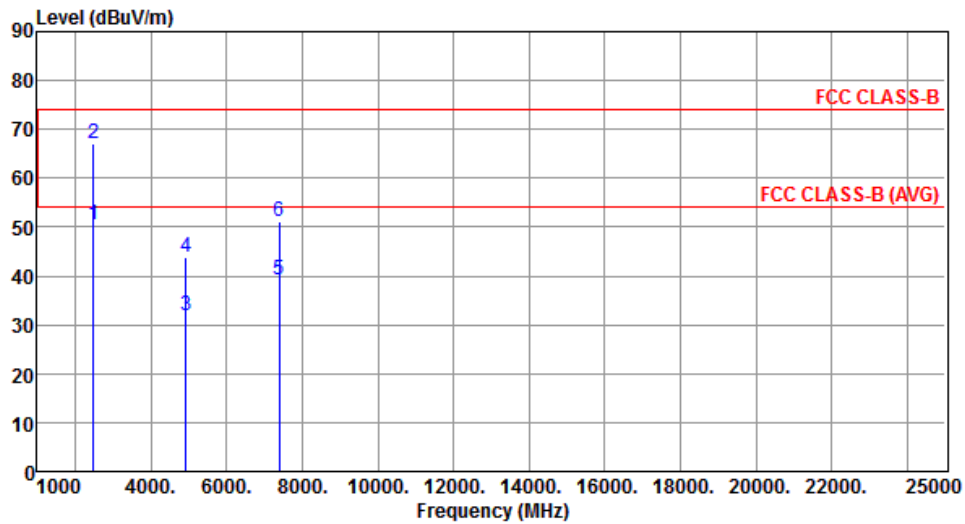
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	49.36	54.00	-4.64	51.04	-1.68	Average	---	---
2	2390.00	69.40	74.00	-4.60	71.08	-1.68	Peak	---	---
3	2483.50	47.58	54.00	-6.42	48.92	-1.34	Average	---	---
4	2483.50	65.32	74.00	-8.68	66.66	-1.34	Peak	---	---
5	4874.00	40.47	54.00	-13.53	34.94	5.53	Average	---	---
6	4874.00	53.89	74.00	-20.11	48.36	5.53	Peak	---	---
7	7311.00	42.01	54.00	-11.99	30.72	11.29	Average	---	---
8	7311.00	55.93	74.00	-18.07	44.64	11.29	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



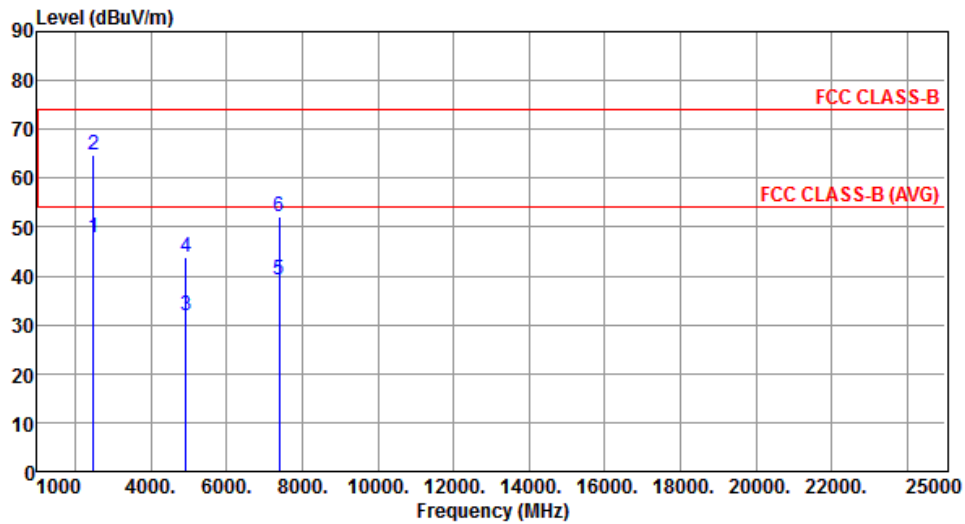
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2483.50	50.44	54.00	-3.56	51.78	-1.34	Average	---	---
2	2483.50	67.20	74.00	-6.80	68.54	-1.34	Peak	---	---
3	4924.00	31.73	54.00	-22.27	26.08	5.65	Average	---	---
4	4924.00	43.94	74.00	-30.06	38.29	5.65	Peak	---	---
5	7386.00	39.20	54.00	-14.80	27.88	11.32	Average	---	---
6	7386.00	51.29	74.00	-22.71	39.97	11.32	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



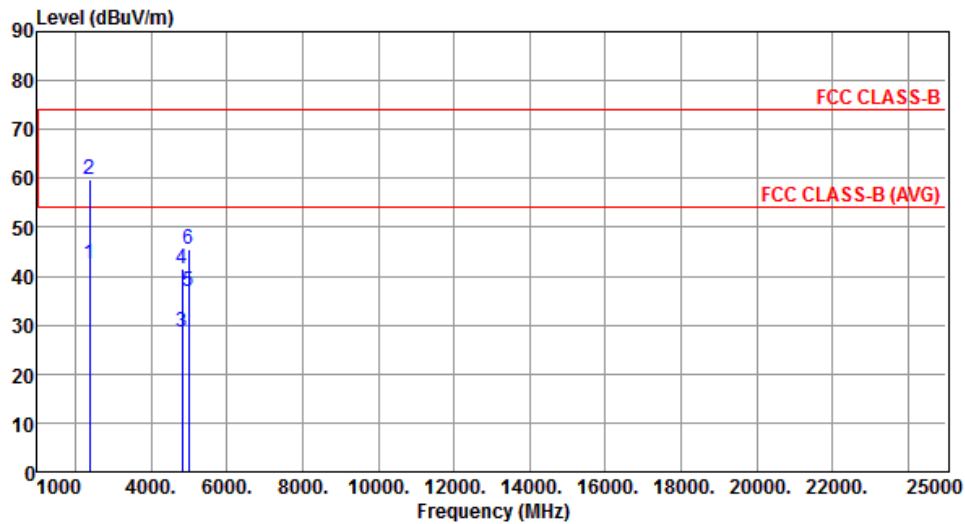
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2483.50	47.75	54.00	-6.25	49.09	-1.34	Average	---	---
2	2483.50	64.91	74.00	-9.09	66.25	-1.34	Peak	---	---
3	4924.00	31.76	54.00	-22.24	26.11	5.65	Average	---	---
4	4924.00	43.74	74.00	-30.26	38.09	5.65	Peak	---	---
5	7386.00	39.04	54.00	-14.96	27.72	11.32	Average	---	---
6	7386.00	52.04	74.00	-21.96	40.72	11.32	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



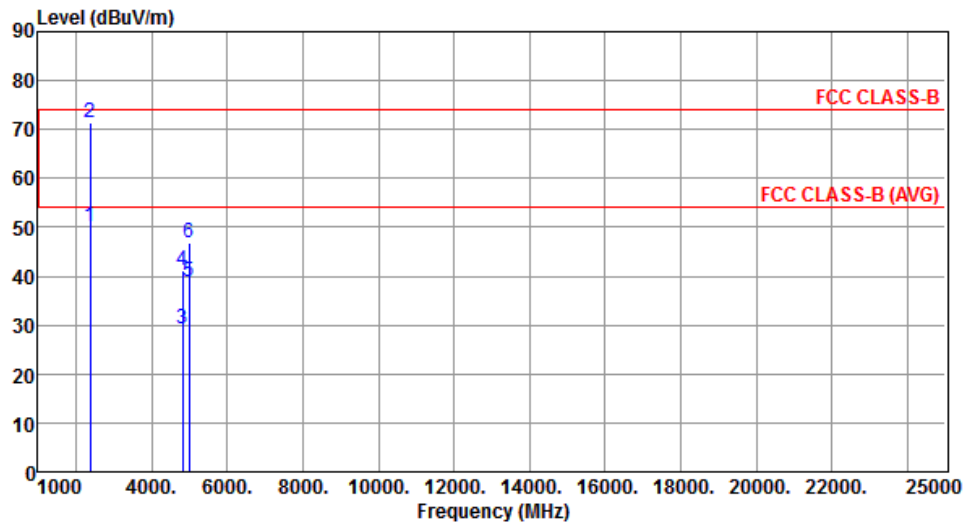
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	42.42	54.00	-11.58	44.10	-1.68	Average	---	---
2	2390.00	59.87	74.00	-14.13	61.55	-1.68	Peak	---	---
3	4824.00	28.67	54.00	-25.33	23.27	5.40	Average	---	---
4	4824.00	41.37	74.00	-32.63	35.97	5.40	Peak	---	---
5	5000.00	36.90	54.00	-17.10	31.05	5.85	Average	---	---
6	5000.00	45.54	74.00	-28.46	39.69	5.85	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



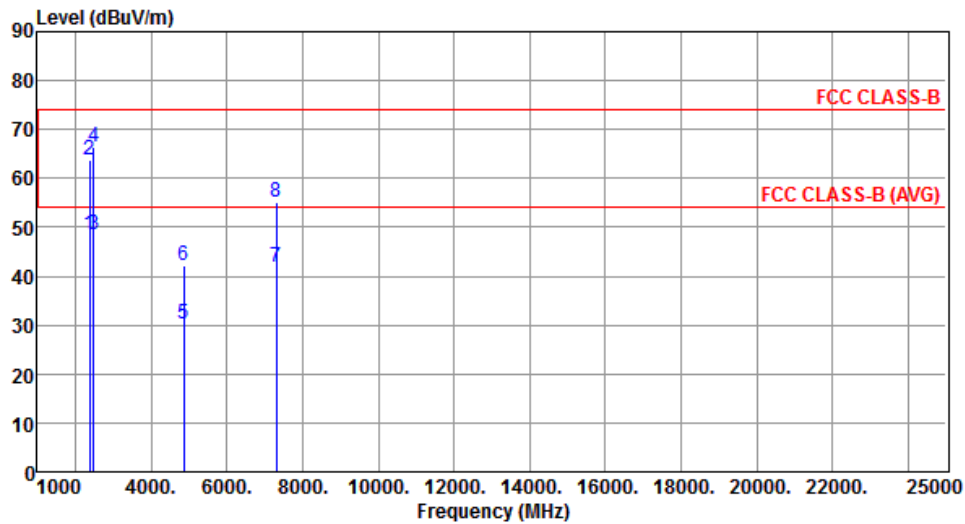
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	50.04	54.00	-3.96	51.72	-1.68	Average	---	---
2	2390.00	71.44	74.00	-2.56	73.12	-1.68	Peak	---	---
3	4824.00	29.28	54.00	-24.72	23.88	5.40	Average	---	---
4	4824.00	41.22	74.00	-32.78	35.82	5.40	Peak	---	---
5	5000.00	38.90	54.00	-15.10	33.05	5.85	Average	---	---
6	5000.00	46.98	74.00	-27.02	41.13	5.85	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



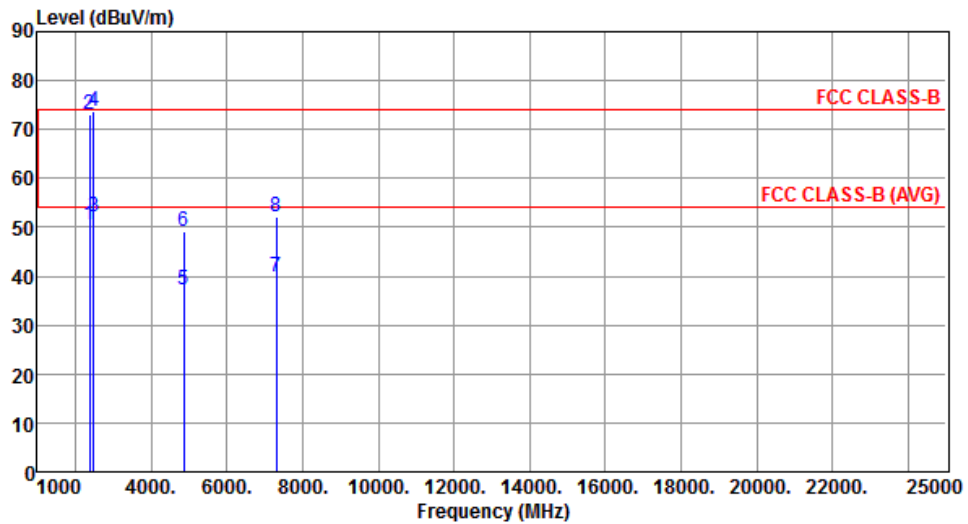
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	48.43	54.00	-5.57	50.11	-1.68	Average	---	---
2	2390.00	63.70	74.00	-10.30	65.38	-1.68	Peak	---	---
3	2483.50	48.63	54.00	-5.37	49.97	-1.34	Average	---	---
4	2483.50	66.55	74.00	-7.45	67.89	-1.34	Peak	---	---
5	4874.00	30.12	54.00	-23.88	24.59	5.53	Average	---	---
6	4874.00	42.14	74.00	-31.86	36.61	5.53	Peak	---	---
7	7311.00	41.94	54.00	-12.06	30.65	11.29	Average	---	---
8	7311.00	55.27	74.00	-18.73	43.98	11.29	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



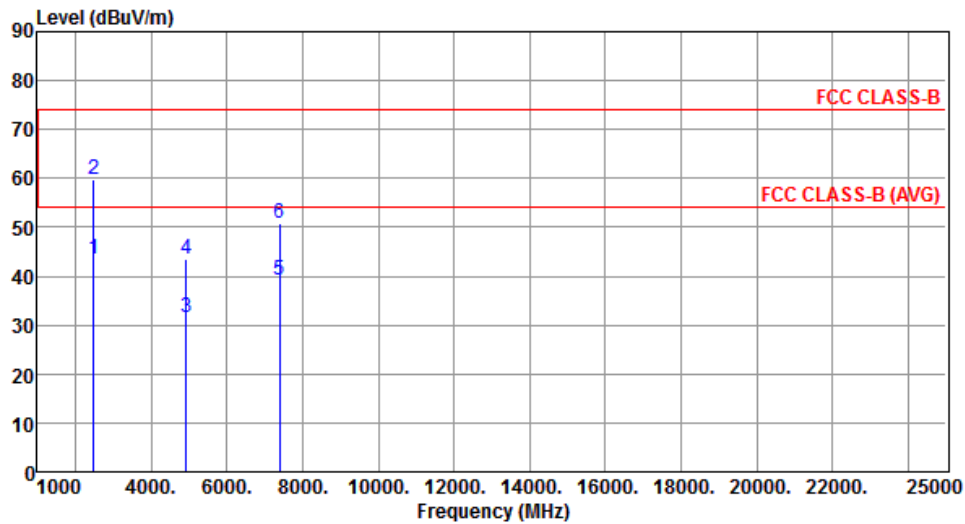
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	50.37	54.00	-3.63	52.05	-1.68	Average	---	---
2	2390.00	72.90	74.00	-1.10	74.58	-1.68	Peak	---	---
3	2483.50	52.03	54.00	-1.97	53.37	-1.34	Average	---	---
4	2483.50	73.63	74.00	-0.37	74.97	-1.34	Peak	---	---
5	4874.00	37.29	54.00	-16.71	31.76	5.53	Average	---	---
6	4874.00	49.12	74.00	-24.88	43.59	5.53	Peak	---	---
7	7311.00	39.79	54.00	-14.21	28.50	11.29	Average	---	---
8	7311.00	52.03	74.00	-21.97	40.74	11.29	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



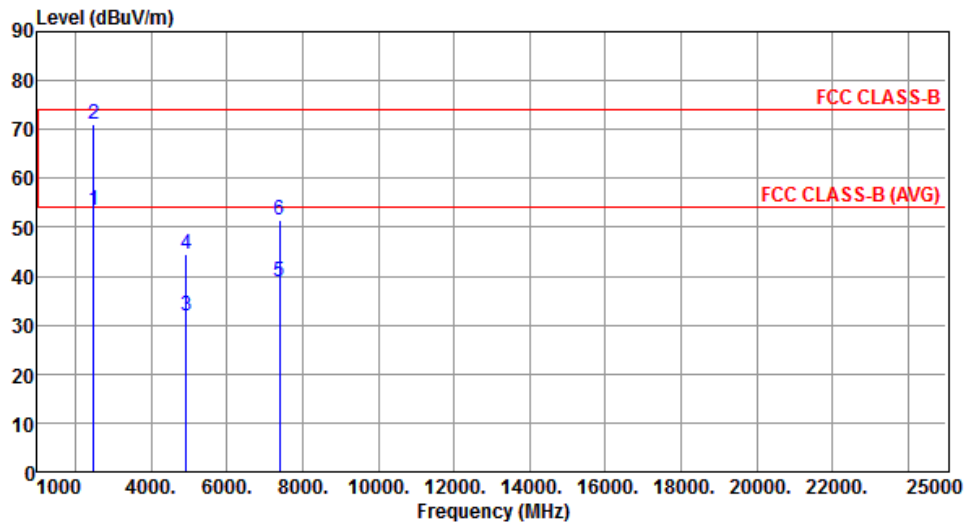
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2483.50	43.59	54.00	-10.41	44.93	-1.34	Average	---	---
2	2483.50	59.87	74.00	-14.13	61.21	-1.34	Peak	---	---
3	4924.00	31.57	54.00	-22.43	25.92	5.65	Average	---	---
4	4924.00	43.39	74.00	-30.61	37.74	5.65	Peak	---	---
5	7386.00	39.08	54.00	-14.92	27.76	11.32	Average	---	---
6	7386.00	50.83	74.00	-23.17	39.51	11.32	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	2483.50	53.59	54.00	-0.41	54.93	-1.34	Average	---	---
2	2483.50	71.16	74.00	-2.84	72.50	-1.34	Peak	---	---
3	4924.00	31.72	54.00	-22.28	26.07	5.65	Average	---	---
4	4924.00	44.39	74.00	-29.61	38.74	5.65	Peak	---	---
5	7386.00	39.00	54.00	-15.00	27.68	11.32	Average	---	---
6	7386.00	51.58	74.00	-22.42	40.26	11.32	Peak	---	---

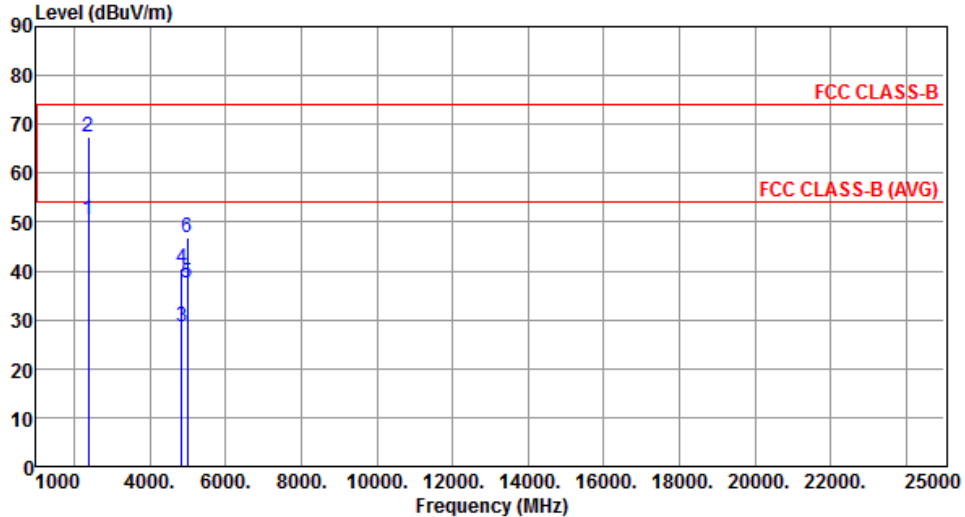
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

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

3.5.8 Transmitter Radiated Unwanted Emissions (Above 1GHz) for HT40

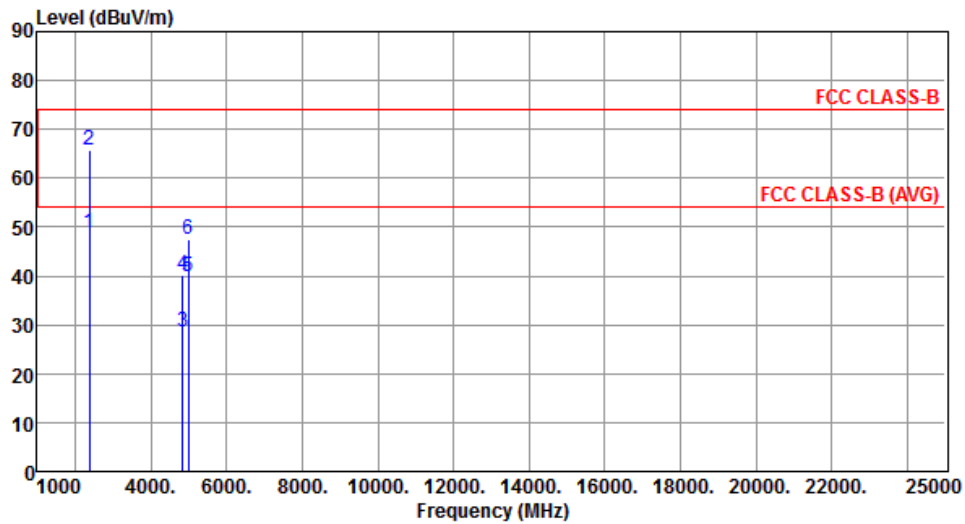
Modulation	HT40	Test Freq. (MHz)	2422
Polarization	Horizontal	Test Configuration	1



	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	50.35	54.00	-3.65	52.03	-1.68	Average	---	---
2	2390.00	67.41	74.00	-6.59	69.09	-1.68	Peak	---	---
3	4844.00	28.54	54.00	-25.46	23.09	5.45	Average	---	---
4	4844.00	40.62	74.00	-33.38	35.17	5.45	Peak	---	---
5	5000.00	37.51	54.00	-16.49	31.66	5.85	Average	---	---
6	5000.00	46.71	74.00	-27.29	40.86	5.85	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	HT40	Test Freq. (MHz)	2422
Polarization	Vertical	Test Configuration	1



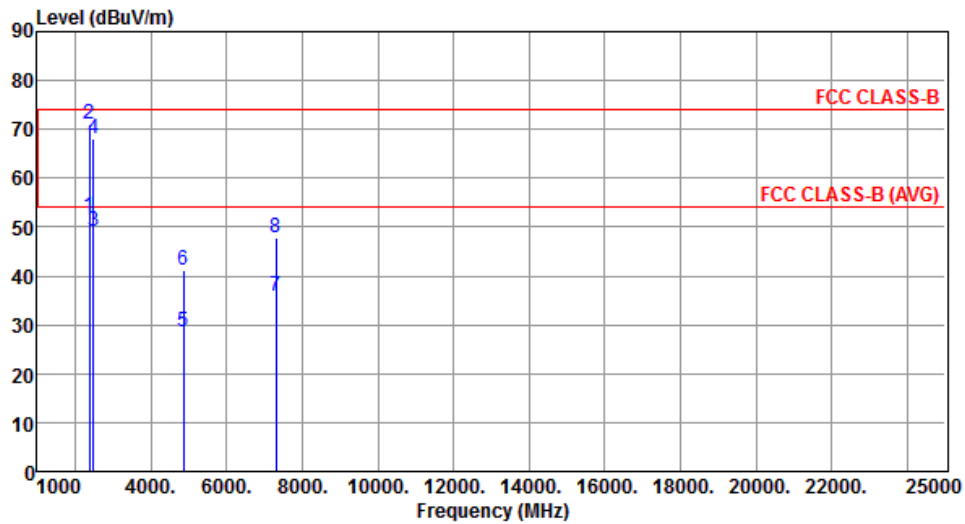
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	48.94	54.00	-5.06	50.62	-1.68	Average	---	---
2	2390.00	65.60	74.00	-8.40	67.28	-1.68	Peak	---	---
3	4844.00	28.54	54.00	-25.46	23.09	5.45	Average	---	---
4	4844.00	40.28	74.00	-33.72	34.83	5.45	Peak	---	---
5	5000.00	39.92	54.00	-14.08	34.07	5.85	Average	---	---
6	5000.00	47.62	74.00	-26.38	41.77	5.85	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	HT40	Test Freq. (MHz)	2437
Polarization	Horizontal	Test Configuration	1



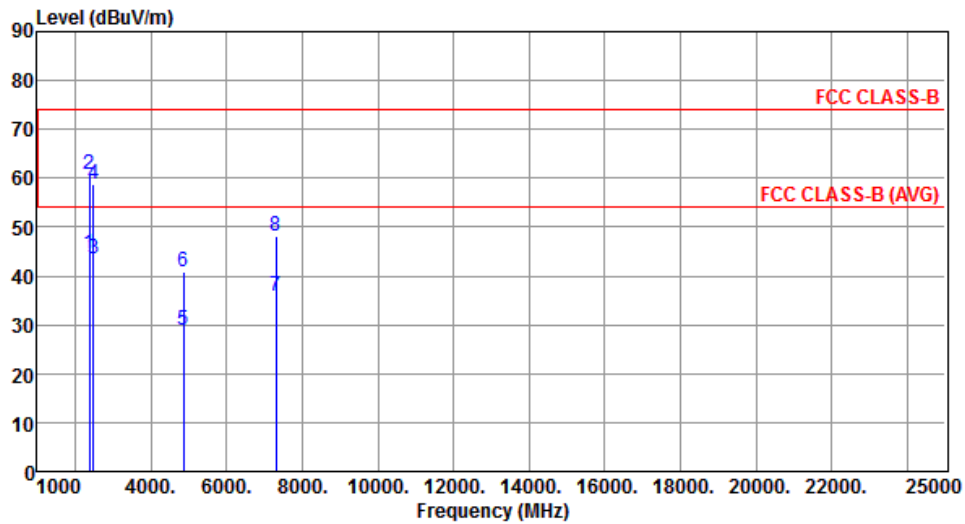
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	52.06	54.00	-1.94	53.74	-1.68	Average	---	---
2	2390.00	70.95	74.00	-3.05	72.63	-1.68	Peak	---	---
3	2483.50	49.30	54.00	-4.70	50.64	-1.34	Average	---	---
4	2483.50	68.19	74.00	-5.81	69.53	-1.34	Peak	---	---
5	4874.00	28.42	54.00	-25.58	22.89	5.53	Average	---	---
6	4874.00	41.17	74.00	-32.83	35.64	5.53	Peak	---	---
7	7311.00	35.99	54.00	-18.01	24.70	11.29	Average	---	---
8	7311.00	47.91	74.00	-26.09	36.62	11.29	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	HT40	Test Freq. (MHz)	2437
Polarization	Vertical	Test Configuration	1



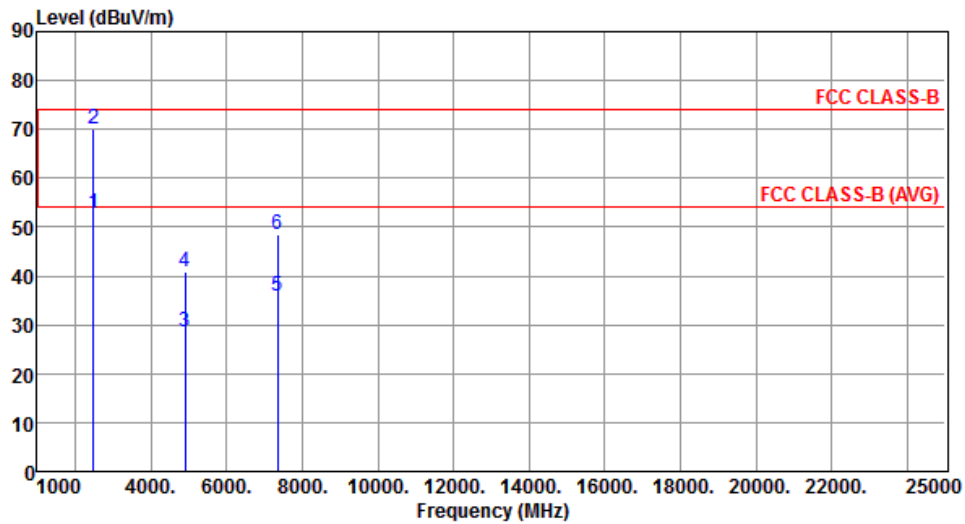
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	44.39	54.00	-9.61	46.07	-1.68	Average	---	---
2	2390.00	60.76	74.00	-13.24	62.44	-1.68	Peak	---	---
3	2483.50	43.60	54.00	-10.40	44.94	-1.34	Average	---	---
4	2483.50	58.65	74.00	-15.35	59.99	-1.34	Peak	---	---
5	4874.00	28.78	54.00	-25.22	23.25	5.53	Average	---	---
6	4874.00	40.71	74.00	-33.29	35.18	5.53	Peak	---	---
7	7311.00	35.87	54.00	-18.13	24.58	11.29	Average	---	---
8	7311.00	48.09	74.00	-25.91	36.80	11.29	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	HT40	Test Freq. (MHz)	2452
Polarization	Horizontal	Test Configuration	1



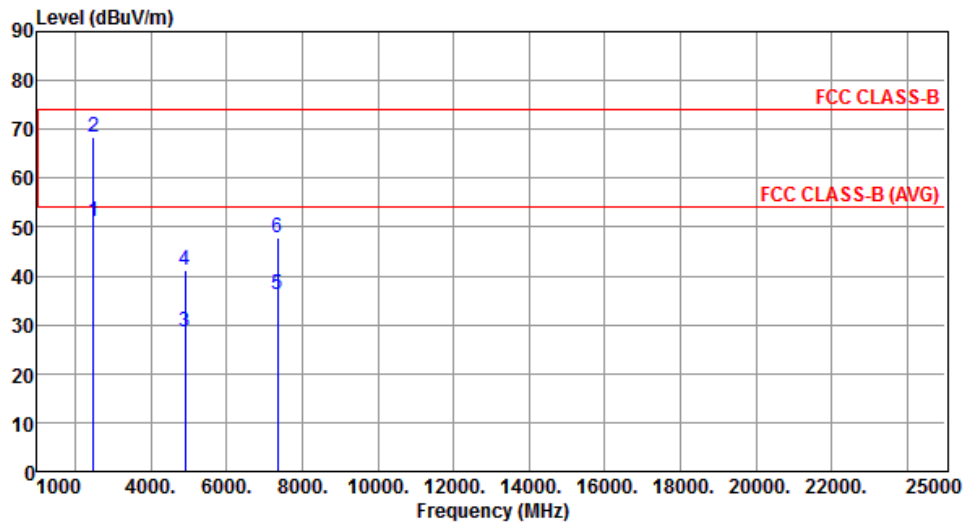
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2483.50	52.96	54.00	-1.04	54.30	-1.34	Average	---	---
2	2483.50	70.00	74.00	-4.00	71.34	-1.34	Peak	---	---
3	4904.00	28.57	54.00	-25.43	22.97	5.60	Average	---	---
4	4904.00	40.85	74.00	-33.15	35.25	5.60	Peak	---	---
5	7356.00	35.85	54.00	-18.15	24.54	11.31	Average	---	---
6	7356.00	48.34	74.00	-25.66	37.03	11.31	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	HT40	Test Freq. (MHz)	2452
Polarization	Vertical	Test Configuration	1



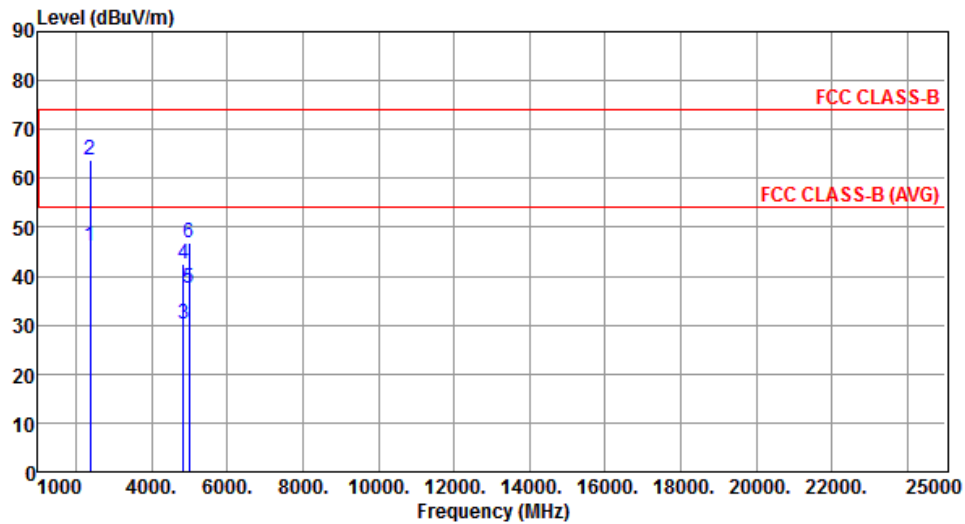
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2483.50	51.01	54.00	-2.99	52.35	-1.34	Average	---	---
2	2483.50	68.39	74.00	-5.61	69.73	-1.34	Peak	---	---
3	4904.00	28.66	54.00	-25.34	23.06	5.60	Average	---	---
4	4904.00	41.24	74.00	-32.76	35.64	5.60	Peak	---	---
5	7356.00	36.18	54.00	-17.82	24.87	11.31	Average	---	---
6	7356.00	47.95	74.00	-26.05	36.64	11.31	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	HT40	Test Freq. (MHz)	2422
Polarization	Horizontal	Test Configuration	3



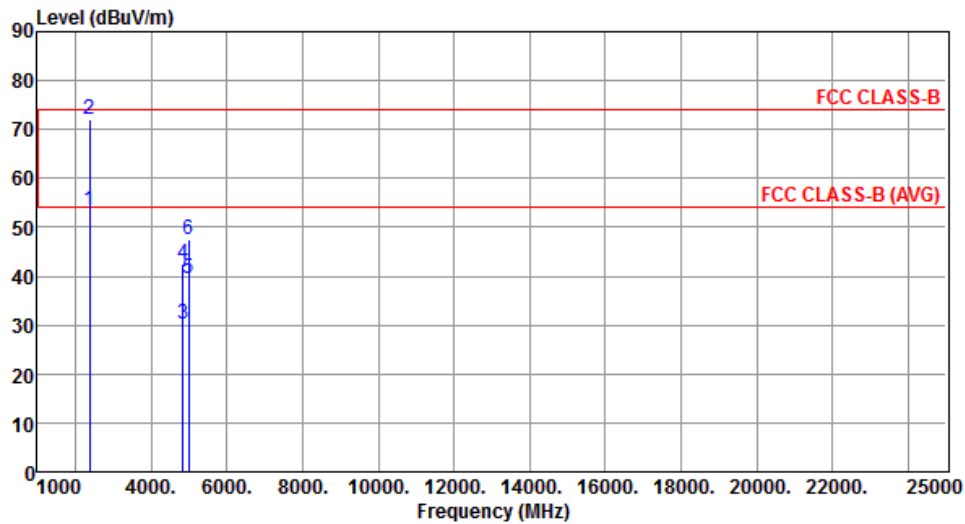
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	46.23	54.00	-7.77	47.91	-1.68	Average	---	---
2	2390.00	63.65	74.00	-10.35	65.33	-1.68	Peak	---	---
3	4844.00	30.32	54.00	-23.68	24.87	5.45	Average	---	---
4	4844.00	42.38	74.00	-31.62	36.93	5.45	Peak	---	---
5	5000.00	37.58	54.00	-16.42	31.73	5.85	Average	---	---
6	5000.00	46.94	74.00	-27.06	41.09	5.85	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	HT40	Test Freq. (MHz)	2422
Polarization	Vertical	Test Configuration	3



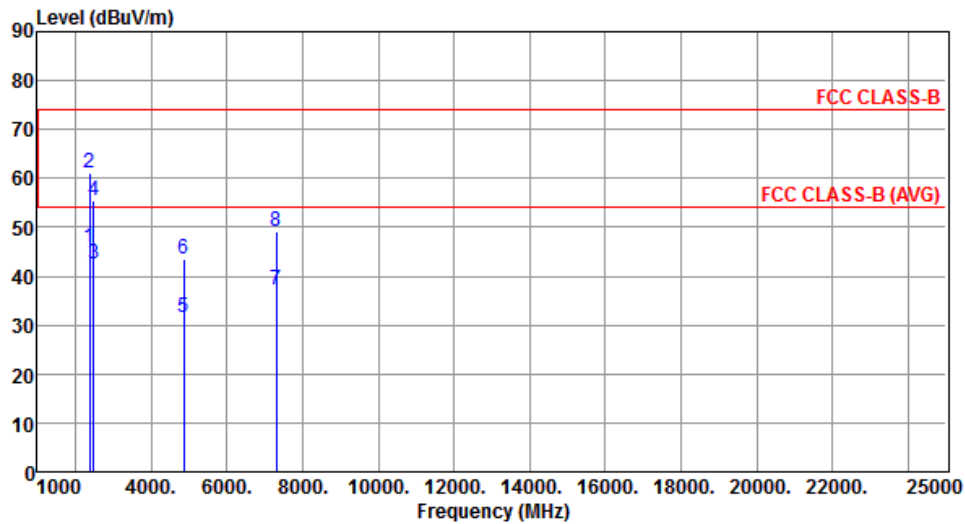
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	53.55	54.00	-0.45	55.23	-1.68	Average	---	---
2	2390.00	72.02	74.00	-1.98	73.70	-1.68	Peak	---	---
3	4844.00	30.31	54.00	-23.69	24.86	5.45	Average	---	---
4	4844.00	42.42	74.00	-31.58	36.97	5.45	Peak	---	---
5	5000.00	39.51	54.00	-14.49	33.66	5.85	Average	---	---
6	5000.00	47.53	74.00	-26.47	41.68	5.85	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	HT40	Test Freq. (MHz)	2437
Polarization	Horizontal	Test Configuration	3



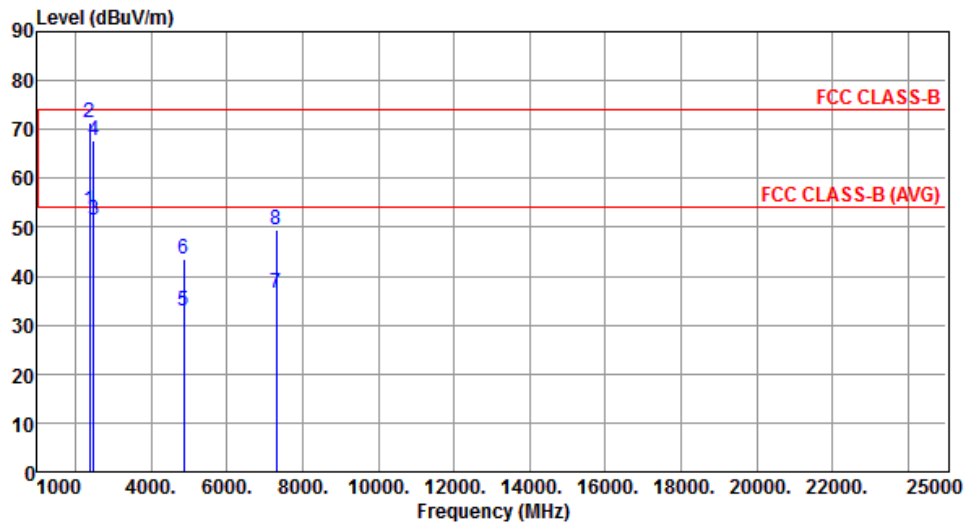
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	45.97	54.00	-8.03	47.65	-1.68	Average	---	---
2	2390.00	60.96	74.00	-13.04	62.64	-1.68	Peak	---	---
3	2483.50	42.39	54.00	-11.61	43.73	-1.34	Average	---	---
4	2483.50	55.36	74.00	-18.64	56.70	-1.34	Peak	---	---
5	4874.00	31.52	54.00	-22.48	25.99	5.53	Average	---	---
6	4874.00	43.34	74.00	-30.66	37.81	5.53	Peak	---	---
7	7311.00	37.10	54.00	-16.90	25.81	11.29	Average	---	---
8	7311.00	49.15	74.00	-24.85	37.86	11.29	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	HT40	Test Freq. (MHz)	2437
Polarization	Vertical	Test Configuration	3



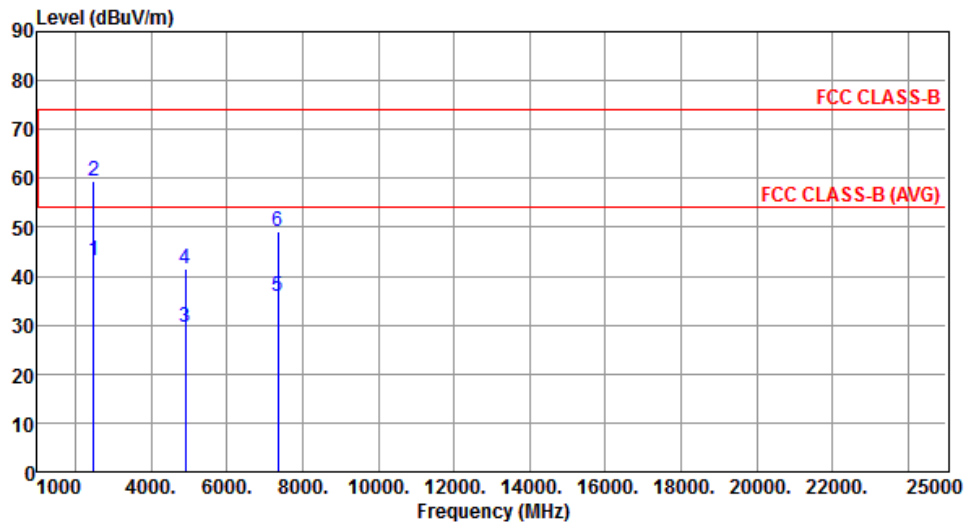
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2390.00	53.53	54.00	-0.47	55.21	-1.68	Average	---	---
2	2390.00	71.40	74.00	-2.60	73.08	-1.68	Peak	---	---
3	2483.50	51.37	54.00	-2.63	52.71	-1.34	Average	---	---
4	2483.50	67.70	74.00	-6.30	69.04	-1.34	Peak	---	---
5	4874.00	33.03	54.00	-20.97	27.50	5.53	Average	---	---
6	4874.00	43.54	74.00	-30.46	38.01	5.53	Peak	---	---
7	7311.00	36.41	54.00	-17.59	25.12	11.29	Average	---	---
8	7311.00	49.58	74.00	-24.42	38.29	11.29	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	HT40	Test Freq. (MHz)	2452
Polarization	Horizontal	Test Configuration	3



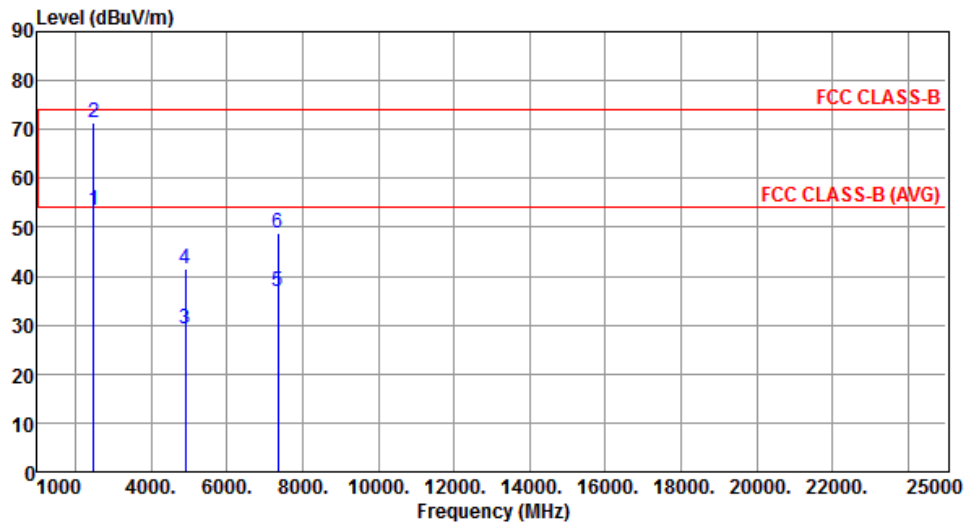
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2483.50	43.33	54.00	-10.67	44.67	-1.34	Average	---	---
2	2483.50	59.42	74.00	-14.58	60.76	-1.34	Peak	---	---
3	4904.00	29.60	54.00	-24.40	24.00	5.60	Average	---	---
4	4904.00	41.36	74.00	-32.64	35.76	5.60	Peak	---	---
5	7356.00	35.97	54.00	-18.03	24.66	11.31	Average	---	---
6	7356.00	49.19	74.00	-24.81	37.88	11.31	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	HT40	Test Freq. (MHz)	2452
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	2483.50	53.56	54.00	-0.44	54.90	-1.34	Average	---	---
2	2483.50	71.49	74.00	-2.51	72.83	-1.34	Peak	---	---
3	4904.00	29.37	54.00	-24.63	23.77	5.60	Average	---	---
4	4904.00	41.60	74.00	-32.40	36.00	5.60	Peak	---	---
5	7356.00	37.01	54.00	-16.99	25.70	11.31	Average	---	---
6	7356.00	48.89	74.00	-25.11	37.58	11.31	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).