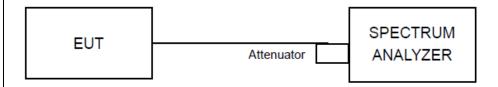


4.5 Conducted Band Edges Measurement

4.5.1 Limit

Below 30 dB of the highest emission level of operating band (in 100 kHz Resolution Bandwidth).

4.5.2 Test Setup



4.5.3 Test Procedures

The EUT was tested according to DTS test procedure of "KDB558074 D01 DTS Meas Guidance" (clause 11.0) for compliance to FCC 47CFR 15.247 requirements.

MEASUREMENT PROCEDURE REF

- 1. Set the RBW = 100 kHz.
- 2. Set the VBW \geq 300 kHz.
- 3. Detector = peak.
- 4. Sweep time = auto couple.
- 5. Trace mode = max hold.
- 6. Allow trace to fully stabilize.
- 7. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.

MEASUREMENT PROCEDURE OOBE

- 1. Set RBW = 100 kHz.
- 2. Set VBW ≥ 300 kHz.
- 3. Detector = peak.
- 4. Sweep = auto couple.
- 5. Trace Mode = max hold.
- 6. Allow trace to fully stabilize.
- 7. Use the peak marker function to determine the maximum amplitude level.

4.5.4 Deviation of Test Standard

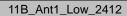
No deviation.

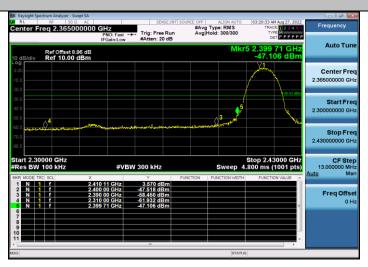


4.5.5 Test Results

TestMode	Antenna	ChName	Channel	RefLevel	Result	Limit	Verdict
11B	Ant1	Low	2412	3.57	-47.11	<=-26.43	PASS
		High	2462	2.17	-57.63	<=-27.83	PASS
11G	Ant1	Low	2412	-2.12	-43.02	<=-32.12	PASS
	7	High	2462	-3.43	-57.11	<=-33.42	PASS
11N20SISO	Ant1	Low	2412	-2.60	-44.35	<=-32.6	PASS
	7	High	2462	-3.66	-57.88	<=-33.66	PASS







11B_Ant1_High_2462

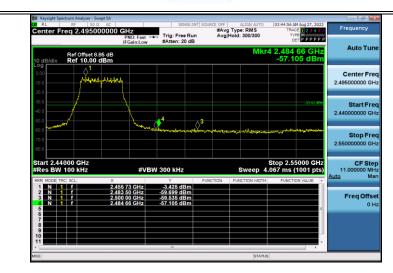


11G_Ant1_Low_2412



11G_Ant1_High_2462





11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



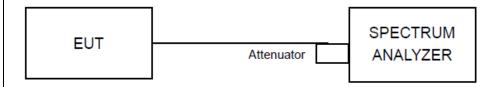


4.6 Conducted Spurious Emissions

4.6.1 Limit

Below 30 dB of the highest emission level of operating band (in 100 kHz Resolution Bandwidth).

4.6.2 Test Setup



4.6.3 Test Procedures

The EUT was tested according to DTS test procedure of "KDB558074 D01 DTS Meas Guidance" (clause 11.0) for compliance to FCC 47CFR 15.247 requirements.

MEASUREMENT PROCEDURE REF

- 1. Set the RBW = 100 kHz.
- 2. Set the VBW \geq 300 kHz.
- 3. Detector = peak.
- 4. Sweep time = auto couple.
- 5. Trace mode = max hold.
- 6. Allow trace to fully stabilize.
- 7. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.

MEASUREMENT PROCEDURE OOBE

- 1. Set RBW = 100 kHz.
- 2. Set VBW ≥ 300 kHz.
- 3. Detector = peak.
- 4. Sweep = auto couple.
- 5. Trace Mode = max hold.
- 6. Allow trace to fully stabilize.
- 7. Use the peak marker function to determine the maximum amplitude level.

4.6.4 Deviation of Test Standard

No deviation.



4.6.5 Test Results

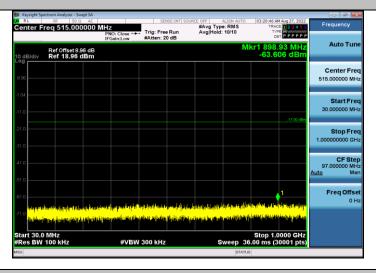
TestMode	Antenna	Channel	FreqRange	RefLevel	Result	Limit	Verdict
			Reference	3.00	3.00		PASS
		2412	30~1000	3.00	-63.61	<=-17	PASS
			1000~26500	3.00	-46.79	<=-17	PASS
			Reference	3.25	3.25		PASS
11B	Ant1	2437	30~1000	3.25	-63.61	<=-16.75	PASS
			1000~26500	3.25	-46.58	<=-16.75	PASS
			Reference	1.17	1.17		PASS
		2462	30~1000	1.17	-63.36	<=-18.83	PASS
			1000~26500	1.17	-45.59	<=-18.83	PASS
			Reference	-1.97	-1.97		PASS
		2412	30~1000	-1.97	-63.36	<=-21.97	PASS
			1000~26500	-1.97	-46.44	<=-21.97	PASS
		2437	Reference	-2.19	-2.19		PASS
11G	Ant1		30~1000	-2.19	-63.61	<=-22.19	PASS
			1000~26500	-2.19	-46.66	<=-22.19	PASS
			Reference	-3.23	-3.23		PASS
		2462	30~1000	-3.23	-62.01	<=-23.23	PASS
			1000~26500	-3.23	-46.79	<=-23.23	PASS
			Reference	-2.23	-2.23		PASS
		2412	30~1000	-2.23	-63.23	<=-22.23	PASS
			1000~26500	-2.23	-46.48	<=-22.23	PASS
			Reference	-2.09	-2.09		PASS
11N20SISO	Ant1	2437	30~1000	-2.09	-63.95	<=-22.09	PASS
			1000~26500	-2.09	-46.16	<=-22.09	PASS
			Reference	-3.36	-3.36		PASS
		2462	30~1000	-3.36	-63.51	<=-23.36	PASS
			1000~26500	-3.36	-45.73	<=-23.36	PASS



11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000

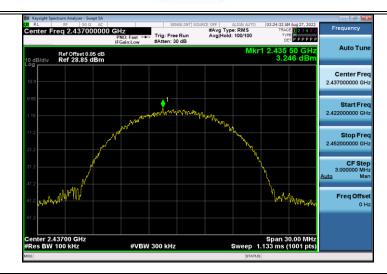


11B_Ant1_2412_1000~26500

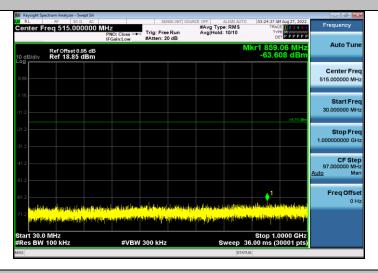


11B_Ant1_2437_0~Reference





11B_Ant1_2437_30~1000

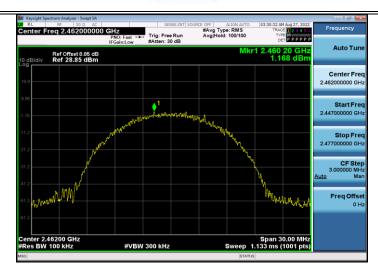


11B_Ant1_2437_1000~26500

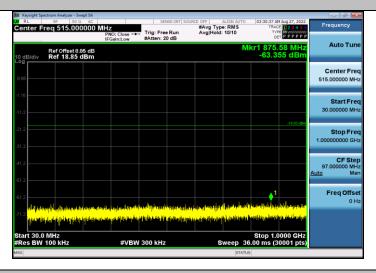


11B_Ant1_2462_0~Reference





11B_Ant1_2462_30~1000

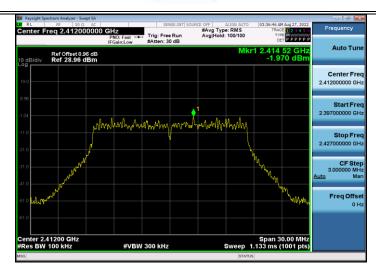


11B_Ant1_2462_1000~26500

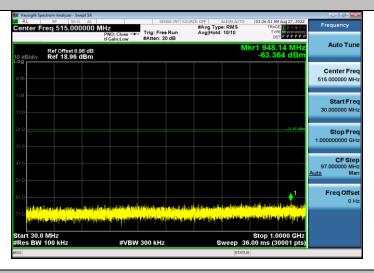


11G_Ant1_2412_0~Reference





11G_Ant1_2412_30~1000

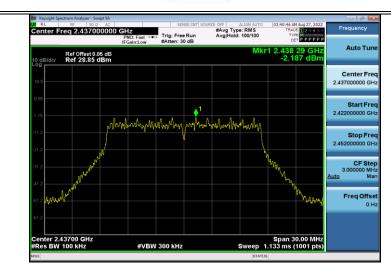


11G_Ant1_2412_1000~26500

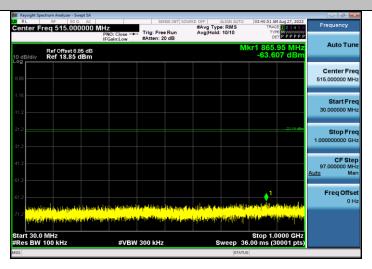


11G_Ant1_2437_0~Reference





11G_Ant1_2437_30~1000

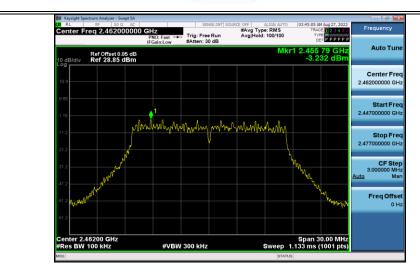


11G_Ant1_2437_1000~26500

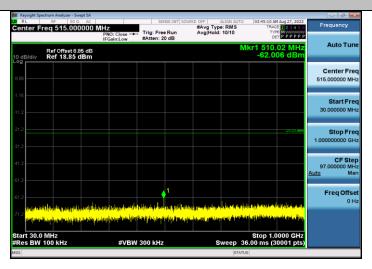


11G_Ant1_2462_0~Reference





11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500

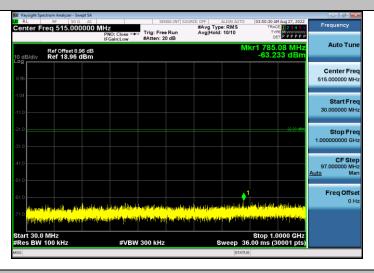


11N20SISO_Ant1_2412_0~Reference





11N20SISO_Ant1_2412_30~1000

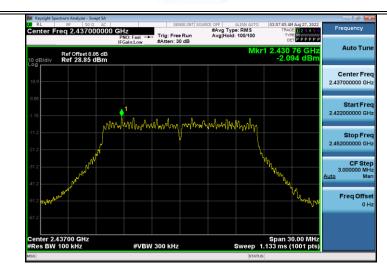


11N20SISO_Ant1_2412_1000~26500

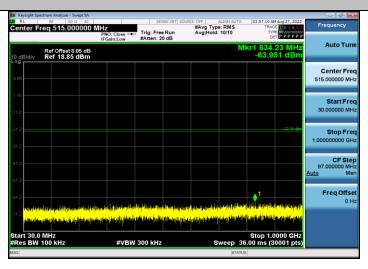


11N20SISO_Ant1_2437_0~Reference





11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500

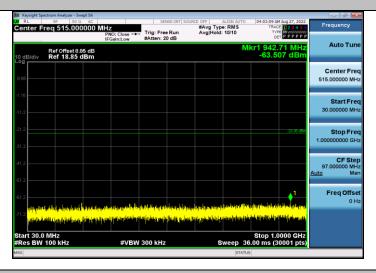


11N20SISO_Ant1_2462_0~Reference





11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500





4.7 Emissions in restricted frequency bands

4.7.1 Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part15, must also comply with the radiated emission limits specified in Section 15.209(a).

			-
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
	, ,	` '	
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
1 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(2)
13.36 - 13.41			



All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC	FCC Part 15 Subpart C Paragraph 15.209							
Frequency	Field Strength	Measured Distance						
[MHz]	[uV/m]	[Meters]						
0.009 - 0.490	2400/F (kHz)	300						
0.490 - 1.705	24000/F (kHz)	30						
1.705 - 30	30	30						
30 - 88	100	3						
88 - 216	150	3						
216 - 960	200	3						
Above 960	500	3						

4.7.2 Test Procedure Reference

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

4.7.3 Test Procedures

Peak Field Strength Measurements

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = peak
- 5. Sweep time = auto couple
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

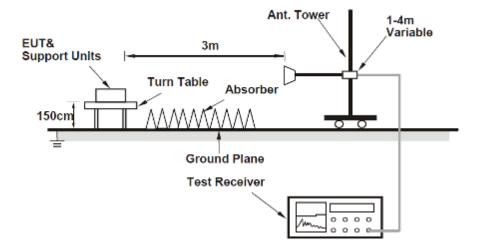


Average Measurements above 1GHz (Method VB)

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- VBW; If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10 Hz.
 If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.
- 4. Detector = Peak
- 5. Sweep time = auto
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

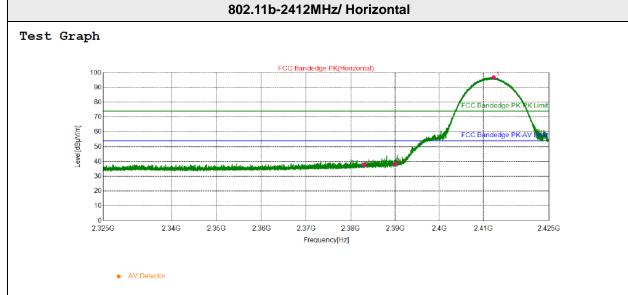
4.7.4 Test Setup

For Radiated emission above 1GHz





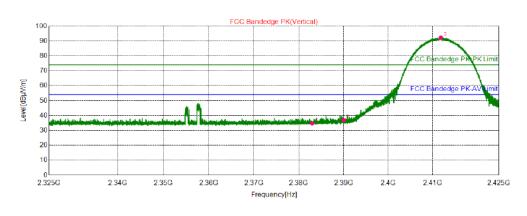
4.7.5 Test Results



270	Freq.	Reading	Level	Limit	Margin	Height	Angle	D-1ib
NO.	[MHz]	[dB µ V/m]	[dBµV/m]	/m] [dB \(\pu \)/m] [dB] [cm] [[°]	Polarity		
1	2383.0000	55.51	37.79	74.00	36.21	155	144	Horizontal
2	2390.0000	56.18	38.46	74.00	35.54	155	168	Horizontal
3	2412.3625	114.70	96.91	74.00	-22.91	155	120	Horizontal

802.11b-2412MHz/ Vertical

Test Graph



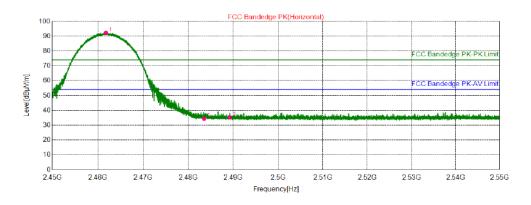
AV Detector

	Freq.	Reading	Level	Limit	Margin	Height	Angle	Delevitor
NO.		[dB]	[cm]	[°]	Polarity			
1	2383.0000	52.45	34.73	74.00	39.27	155	161	Vertical
2	2390.0000	54.64	36.92	74.00	37.08	155	95	Vertical
3	2411.8625	110.10	92.31	74.00	-18.31	155	95	Vertical



802.11b-2462MHz/ Horizontal

Test Graph

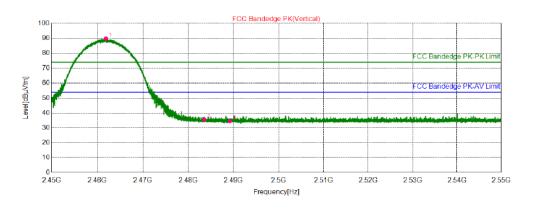


AV Detector

110	Freq.	Reading	Level	Limit	Margin	Height	Angle	Dolowitus.
NO.	[MHz]	[dBµV/m]	μV/m] [dBμV/m] [dBμV/m] [dB]	[cm]	[°] Polarity			
1	2461.7625	110.14	92.30	74.00	-18.30	155	263	Horizontal
2	2483.5000	52.30	34.45	74.00	39.55	155	269	Horizontal
3	2489.2000	53.13	35.27	74.00	38.73	155	269	Horizontal

802.11b-2462MHz/ Vertical

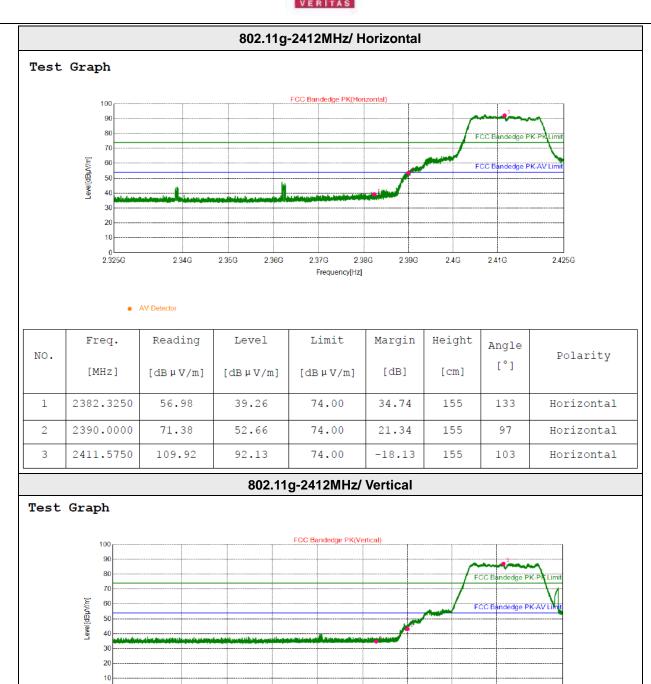
Test Graph



AV Detector

	Freq.	Reading	Level	Limit	Margin	Height	Angle	
NO.	NO. [MHz] [dBμV/	[dBµV/m]	[dBµV/m]	[dBµV/m]	[dB]	[cm]	[°]	Polarity
1	2461.9000	107.63	89.79	74.00	-15.79	155	73	Vertical
2	2483.5000	53.42	35.57	74.00	38.43	155	26	Vertical
3	2489.2000	52.40	34.54	74.00	39.46	155	216	Vertical





AV Detector

2.34G

2.35G

2.36G

2.325G

	Freq.	Reading	Level	Limit	Margin	Height	Angle	Dolowitus.
NO.	[MHz] [dB \(\psi \)/m] [dB \(\psi \)/m	[dBµV/m]	[dB]	[cm] [°]	Polarity			
1	2383.0000	52.55	34.83	74.00	39.17	155	245	Vertical
2	2390.0000	60.99	43.27	74.00	30.73	155	80	Vertical
3	2411.5750	104.91	87.12	74.00	-13.12	155	192	Vertical

2.37G

Frequency[Hz]

2.38G

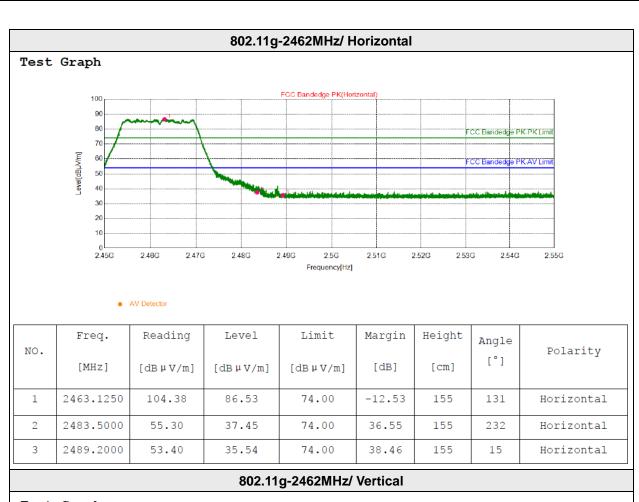
2.39G

2.4G

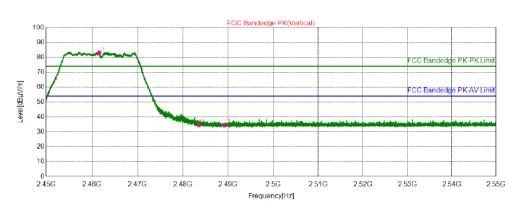
2.41G

2.425G





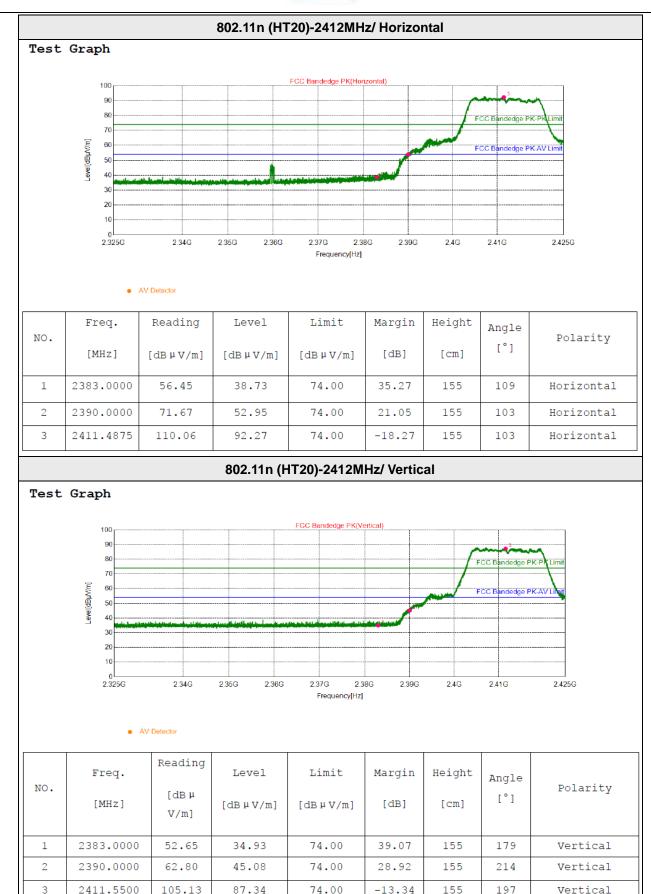
Test Graph



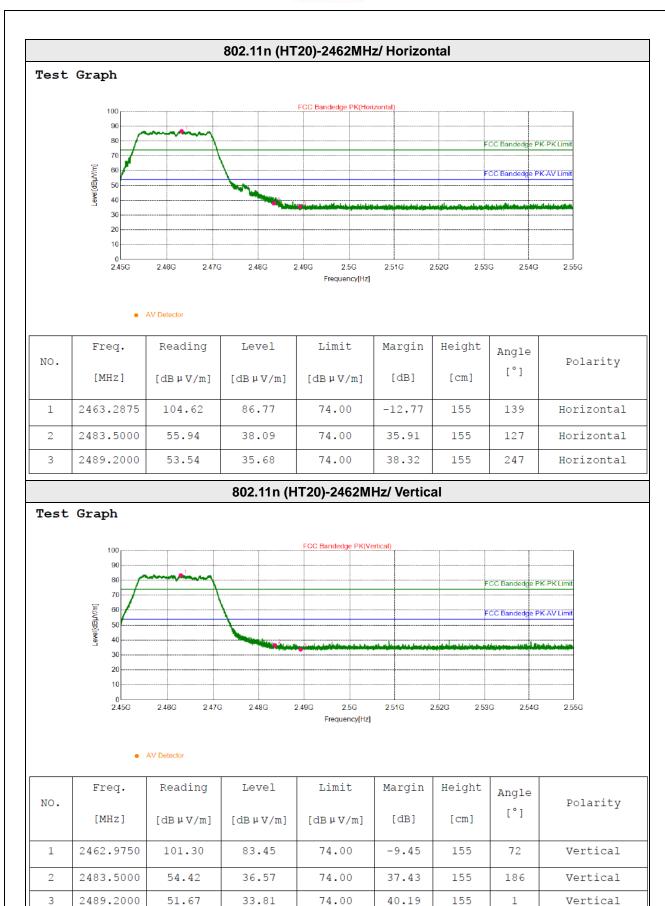
AV Detector

	Freq.	Reading	Level	Limit	Margin	Height	Angle	- 3 ''
NO.	[MHz]	[dBµV/m]	[dBµV/m]] [dB \(\mu \nv/m \) [dB] [cm]	[°]	Polarity		
1	2461.5875	100.92	83.08	74.00	-9.08	155	79	Vertical
2	2483.5000	52.43	34.58	74.00	39.42	155	359	Vertical
3	2489.2000	52.31	34.45	74.00	39.55	155	14	Vertical











4.8 Radiated Emission Measurement

4.8.1 **Limits**

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table

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

NOTE:

- 1. The lower limit shall apply at the transition frequencies.
- 2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
- 3. For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

4.8.2 Test Procedures

For Radiated emission below 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degree to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Both X and Y axes of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotate table was turned from 0 degree to 360 degree to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

Note:

The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.



For Radiated emission above 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters (for below 1 GHz) / 1.5 meters (for above 1 GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detected function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz & 360 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1 GHz.
- 3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1/T for RMS Average (Duty cycle < 98 %) for Peak detection at frequency above 1 GHz.
- 4. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10 Hz (Duty cycle ≥ 98 %) for Average detection (AV) at frequency above 1 GHz.
- 5. All modes of operation were investigated and the worst-case emissions are reported.

4.8.3 Deviation from Test Standard

No deviation.



4.8.4 Test Setup For Radiated emission below 30MHz 1, m EUT& Support Units 3m Turn Table 80cm Ground Plane Test Receiver For Radiated emission 30MHz to 1GHz Ant. Tower 1-4m Variable 3m EUT& Support Units Turn Table Ground Plane Test Receiver For Radiated emission above 1GHz Ant. Tower 1-4m Variable EUT& 3m Support Units Turn Table Absorber Ground Plane Test Receiver 0000



For the actual test configuration, please refer to the attached file (Test Setup Photo).
4.8.5 EUT Operating Conditions
a. Placed the EUT on a testing table.
b. Use the software to control the EUT under transmission condition continuously at specific channel
frequency.
4.8.6 Test Results
4.0.0 Test Nesults
Radiated Emissions Range 9kHz~30MHz
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value
has no need to be reported.

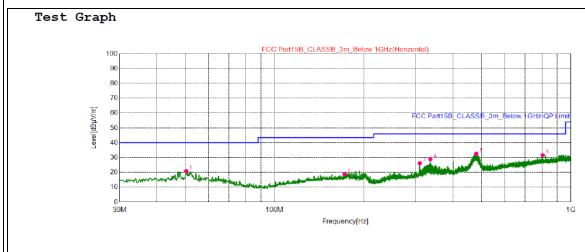


Radiated Emissions Range 30MHz~1GHz

Below is the worst test data

Channel	Channel 1	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz	Antenna Polarity	Horizontal

Test Plot:



QP Detector

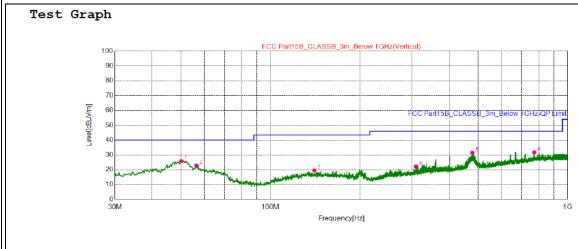
Susp	ected I	ist							
	Freq.	Reading	Factor	Level	Limit	Margin	Height	Angle	
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	[cm]	[°]	Polarity
1	50.37	31.40	-10.49	20.91	40.00	19.09	200	2	Horizontal
2	172.3	28.61	-9.79	18.82	43.50	24.68	100	92	Horizontal
3	309.1	33.77	-7.59	26.18	46.00	19.82	100	324	Horizontal
4	335.9	35.98	-7.08	28.90	46.00	17.10	100	167	Horizontal
5	479.8	36.97	-4.33	32.64	46.00	13.36	100	167	Horizontal
6	804.0	29.19	2.44	31.63	46.00	14.37	100	261	Horizontal

- 1. Emission Level(dBuV/m) = Spectrum reading (dBuV) + Correction Factor(dB/m)
- $2. \ Correction \ Factor(dB/m) = Antenna \ Factor(dB/m) + Cable \ Factor(dB) Pre-Amplifier \ Factor(dB)$
- 3. The other emission levels were very low against the limit.
- 4. Margin value = Limit value Emission Level



Channel	Channel 1	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz	Antenna Polarity	Vertical

Test Plot:



QP Detector

Suspected List										
NO.	Freq.	Reading	Factor	Level	Limit	Margin	Height	Angle	D-1it	
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	[cm]	[°]	Polarity	
1	50.17	36.30	-10.47	25.83	40.00	14.17	100	118	Vertical	
2	56.38	33.73	-10.92	22.81	40.00	17.19	100	27	Vertical	
3	140.5	29.55	-9.96	19.59	43.50	23.91	100	125	Vertical	
4	308.9	29.78	-7.59	22.19	46.00	23.81	100	106	Vertical	
5	478.1	35.85	-4.36	31.49	46.00	14.51	100	2	Vertical	
6	772.2	29.85	1.93	31.78	46.00	14.22	200	98	Vertical	

- 1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB)
- 3. The other emission levels were very low against the limit.
- 4. Margin value = Limit value Emission Level



Radiated Emission Range 1GHz~10th Harmonic

802.11b

Channel	TX Channel 1	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz	Detector Function	Average (AV)

	Spurious Emission Level								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector		
1	4825.0000	47.65	74.00	26.35	-13.24	Н	PK		
2	4825.0000	42.60	54.00	11.40	-13.24	Н	AV		
3	4825.0000	48.78	74.00	25.22	-13.24	V	PK		
4	4825.0000	43.51	54.00	10.49	-13.24	V	AV		

REMARKS:

- 1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB)
- 3. The other emission levels were very low against the limit.
- 4. Margin value = Limit value Emission Level

Channel	TX Channel 6	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz	Detector Function	Average (AV)

	Spurious Emission Level								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector		
1	4874.3000	41.54	74.00	32.46	-13.19	Н	PK		
2	4874.3000	34.93	54.00	19.07	-13.19	Н	AV		
3	4874.3000	43.96	74.00	30.04	-13.19	V	PK		
4	4876.0000	36.26	54.00	17.74	-13.19	V	AV		

- 1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB)
- 3. The other emission levels were very low against the limit.
- 4. Margin value = Limit value Emission Level



Channel	TX Channel 11	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz	Detector Function	Average (AV)

	Spurious Emission Level								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector		
1	7385.2000	33.97	54.00	20.03	-8.83	Н	PK		
2	7386.9000	37.57	74.00	36.43	-8.83	Н	AV		
3	7386.9000	37.94	74.00	36.06	-8.83	V	PK		
4	7388.6000	35.05	54.00	18.95	-8.83	V	AV		

- 1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB)
- 3. The other emission levels were very low against the limit.
- 4. Margin value =Limit value Emission Level



802.11g

Channel	TX Channel 1	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz	Detector Function	Average (AV)

	Spurious Emission Level								
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector		
1	4821.6000	39.33	74.00	34.67	-13.24	Н	PK		
2	4823.3000	32.49	54.00	21.51	-13.24	Н	AV		
3	7240.7000	38.42	74.00	35.58	-8.79	V	PK		
4	7237.3000	31.70	54.00	22.30	-8.79	V	AV		

REMARKS:

- 1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB)
- 3. The other emission levels were very low against the limit.
- 4. Margin value = Limit value Emission Level

Channel	TX Channel 6	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz	Detector Function	Average (AV)

			Spurious	Emission Lev	/el		
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	7308.7000	36.74	74.00	37.26	-8.81	Н	PK
2	7308.7000	33.41	54.00	20.59	-8.81	Н	AV
3	4935.5000	41.62	74.00	32.38	-13.11	V	PK
4	4937.2000	38.37	54.00	15.63	-13.10	V	AV

- 1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB)
- 3. The other emission levels were very low against the limit.
- 4. Margin value =Limit value Emission Level



Channel	TX Channel 11	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz	Detector Function	Average (AV)

	Spurious Emission Level						
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	4821.6000	39.33	74.00	34.67	-13.24	Н	PK
2	4823.3000	32.49	54.00	21.51	-13.24	Н	AV
3	7386.9000	39.70	74.00	34.30	-8.83	V	PK
4	7386.9000	35.36	54.00	18.64	-8.83	V	AV

- 1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB)
- 3. The other emission levels were very low against the limit.
- 4. Margin value = Limit value Emission Level



802.11n (HT20)

Channel	TX Channel 1	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz	Detector Function	Average (AV)

			Spurious	Emission Lev	/el		
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	7237.3000	36.52	74.00	37.48	-8.79	Н	PK
2	7237.3000	31.57	54.00	22.43	-8.79	Н	AV
3	4825.0000	36.29	74.00	37.71	-13.24	V	PK
4	4825.0000	30.38	54.00	23.62	-13.24	V	AV

REMARKS:

- 1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB)
- 3. The other emission levels were very low against the limit.
- 4. Margin value = Limit value Emission Level

Channel	TX Channel 6	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz		Average (AV)

			Spurious	Emission Lev	/el		
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	7308.7000	37.26	74.00	36.74	-8.81	Н	PK
2	7308.7000	32.07	54.00	21.93	-8.81	Н	AV
3	7308.7000	36.61	74.00	37.39	-8.81	V	PK
4	7308.7000	31.12	54.00	22.88	-8.81	V	AV

- 1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB)
- 3. The other emission levels were very low against the limit.
- 4. Margin value =Limit value Emission Level



Channel	TX Channel 11	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 25GHz	Detector Function	Average (AV)

			Spurious	Emission Lev	/el		
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB/m)	Antenna Polarity	Detector
1	7386.9000	37.05	74.00	36.95	-8.83	Н	PK
2	7386.9000	31.46	54.00	22.54	-8.83	Н	AV
3	7386.9000	36.04	74.00	37.96	-8.83	V	PK
4	7386.9000	31.64	54.00	22.36	-8.83	V	AV

- 1. Emission Level(dBuV/m) = Original Spectrum reading (dBuV) + Correction Factor(dB/m)
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) Pre-Amplifier Factor(dB)
- 3. The other emission levels were very low against the limit.
- 4. Margin value = Limit value Emission Level



5 Pictures of Test Arrangements
Please refer to the attached file (Test Setup Photo)
Please refer to the attached file (Test Setup Photo).
END