



10. Conducted Band Edge and Out-of-Band Emissions

10.1 Provisions Applicable

In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.

10.2 Measurement Procedure

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

Use the following spectrum analyzer settings:

- Step 1: Measurement Procedure In-Band Reference Level
 - 1. Set instrument center frequency to DTS channel center frequency.
 - 2. Set the span to \geq 1.5 times the DTS bandwidth.
 - 3. Set the RBW = 100 kHz.
 - 4. Set the VBW \ge 3 x RBW.
 - 5. Detector = peak.
 - 6. Sweep time = auto couple.
 - 7. Trace mode = max hold.
 - 8. Allow trace to fully stabilize.
 - 9. Use the peak marker function to determine the maximum PSD level.
 - 10. Note that the channel found to contain the maximum PSD level can be used to establish the reference level.
 - 11. For reference level values, please refer to DTS bandwidth test.
- Step 2: Measurement Procedure Out of Band Emission
 - 1. Set RBW = 100 kHz.
 - 2. Set VBW \geq 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.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

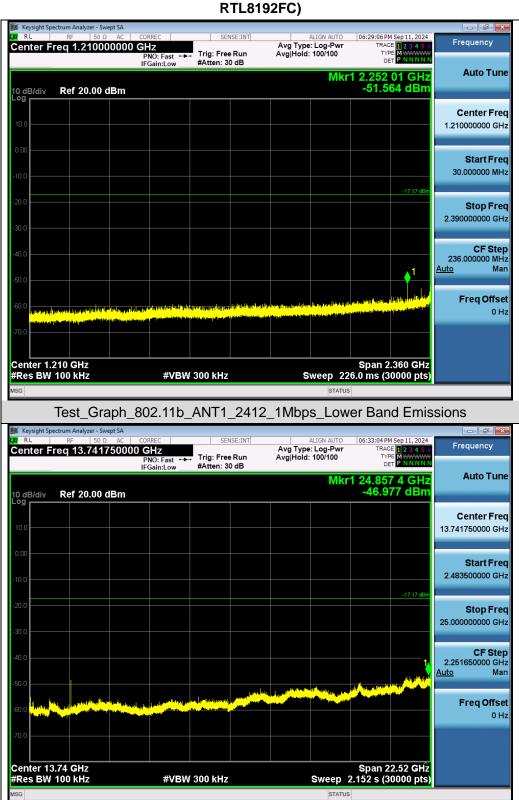
10.3 Measurement Setup (Block Diagram of Configuration)

Spectrum Analyzer		
	attenuator	EUT



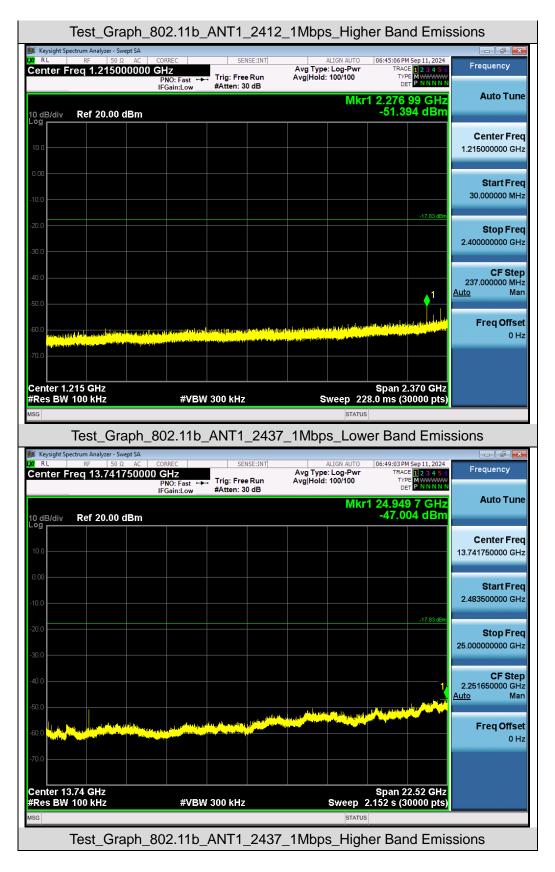
10.4 Measurement Result

Test Graphs of Spurious Emissions in Non-Restricted Frequency Bands-2.4G WIFI (Module:

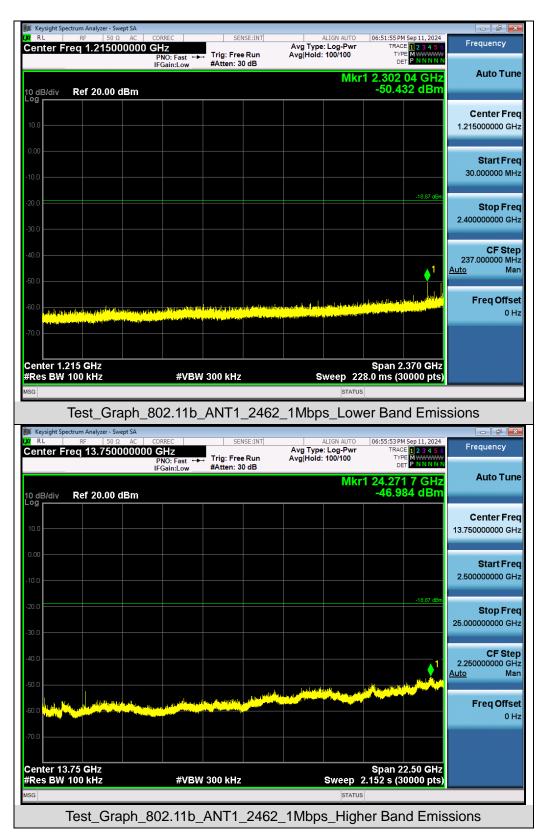


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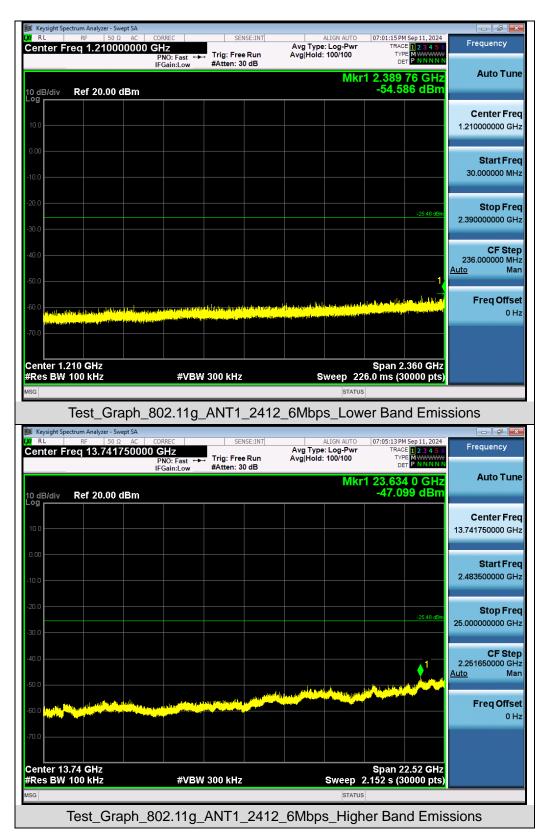




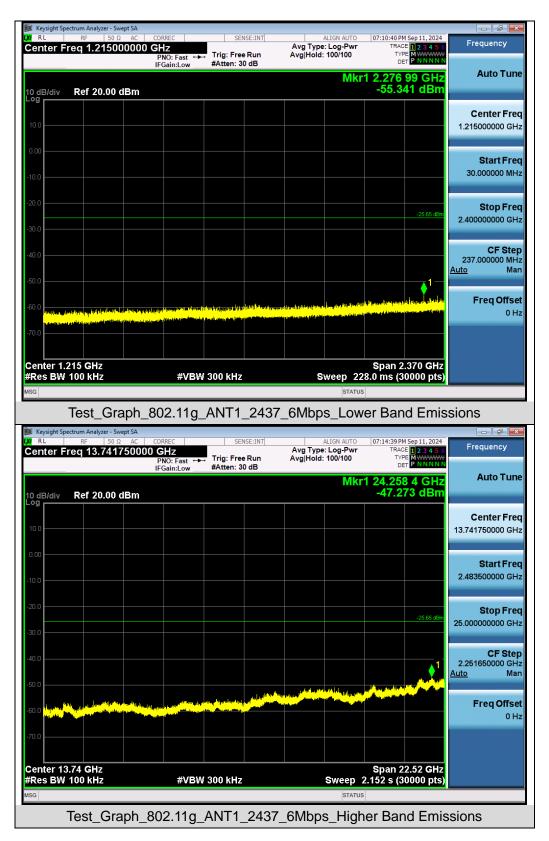




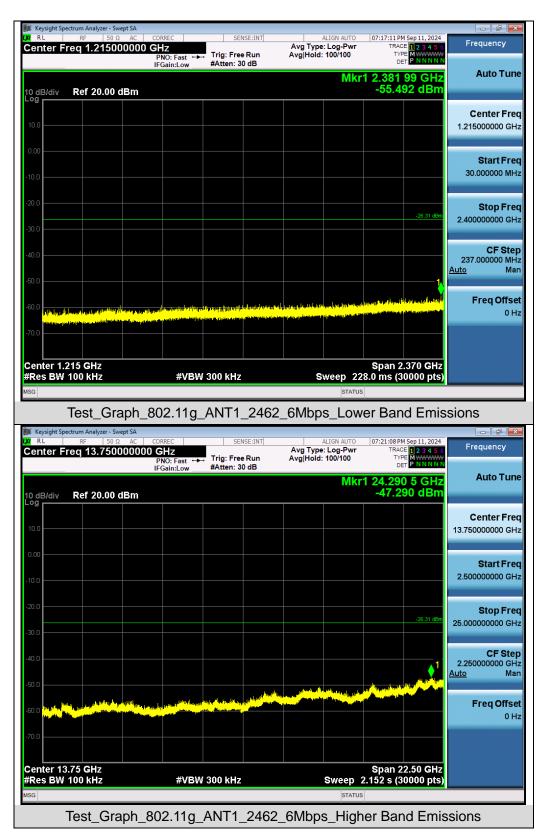




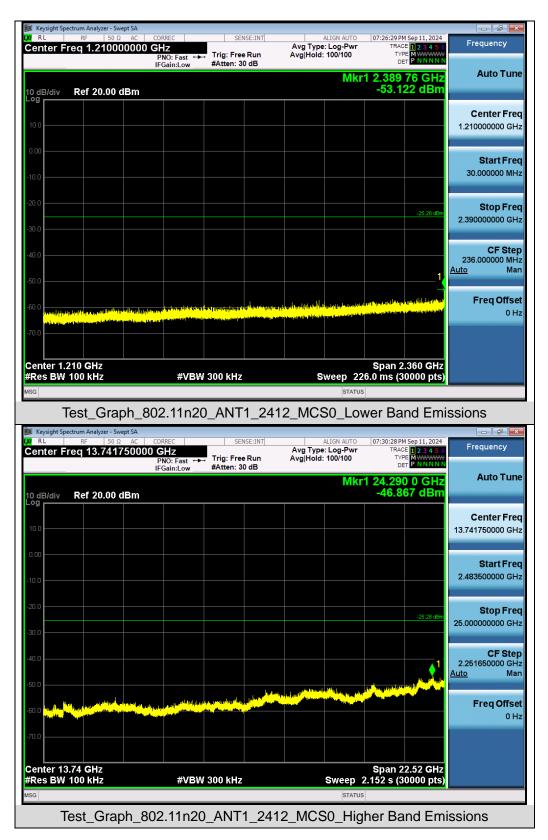




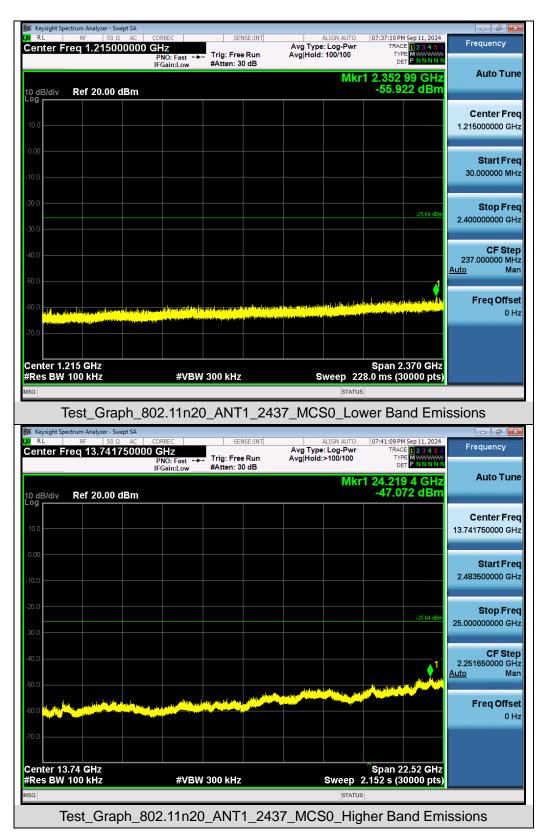




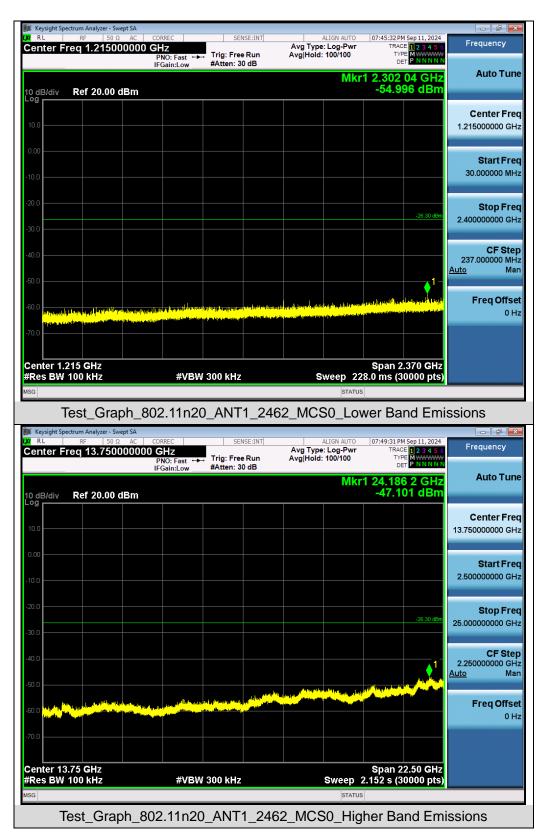




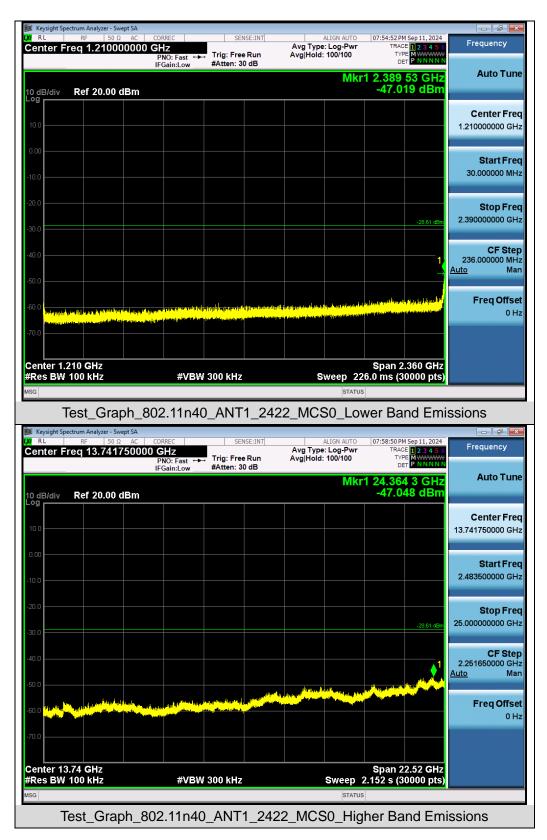




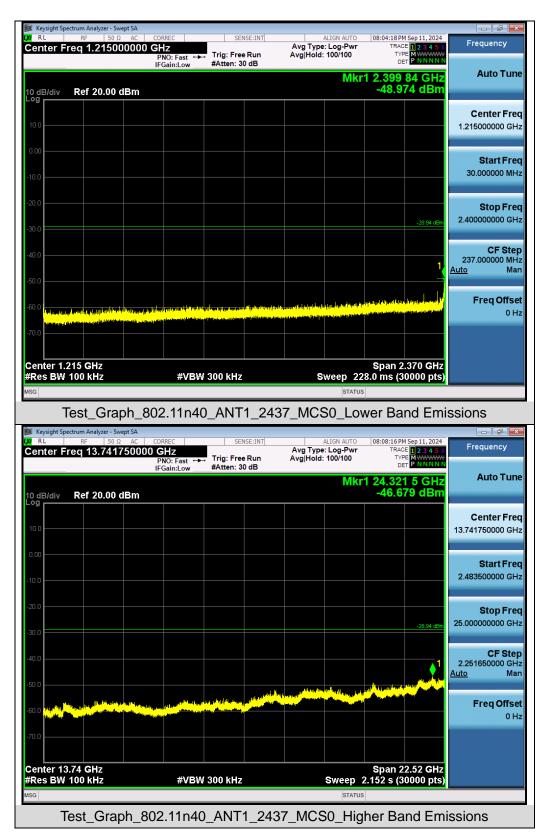




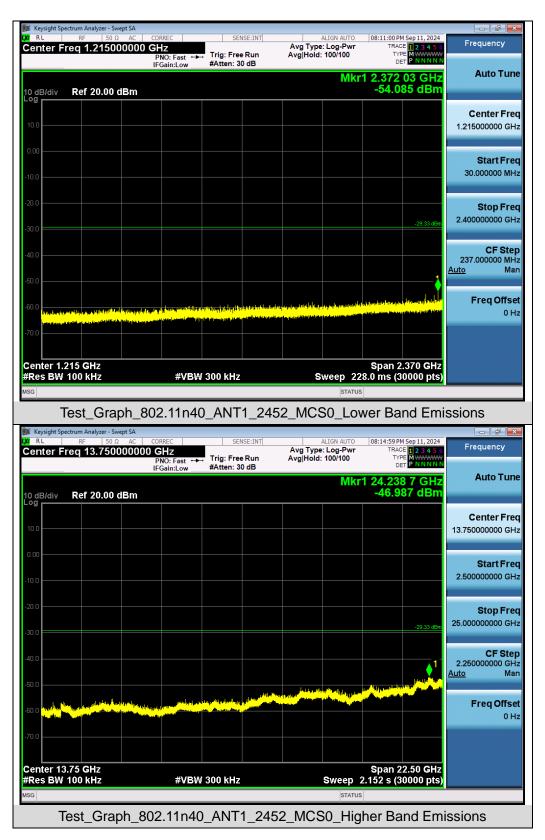


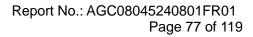










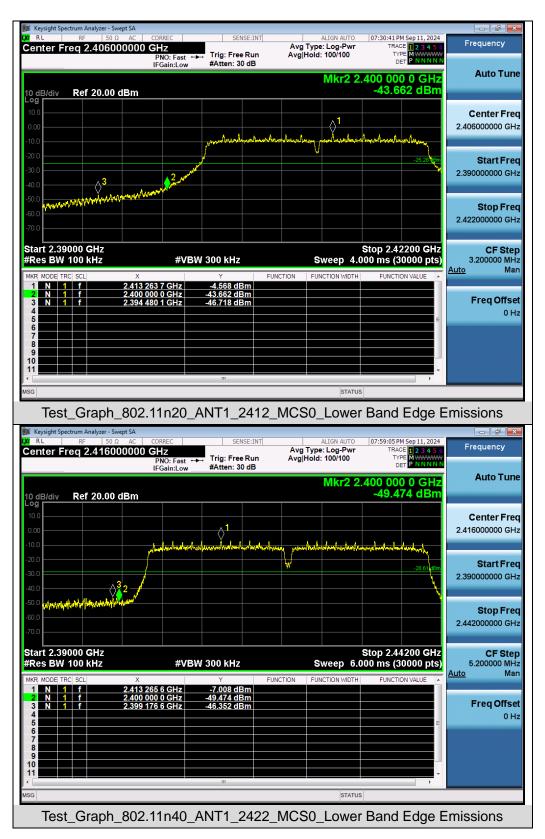


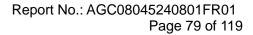


Test Graphs of Band Edge Emissions in Non-Restricted Frequency Bands-2.4G WIFI (Module: RTL8192FC)



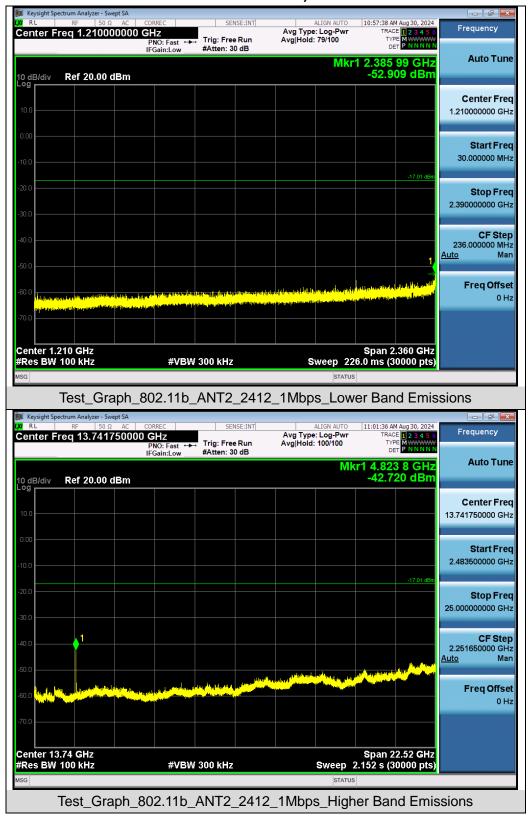




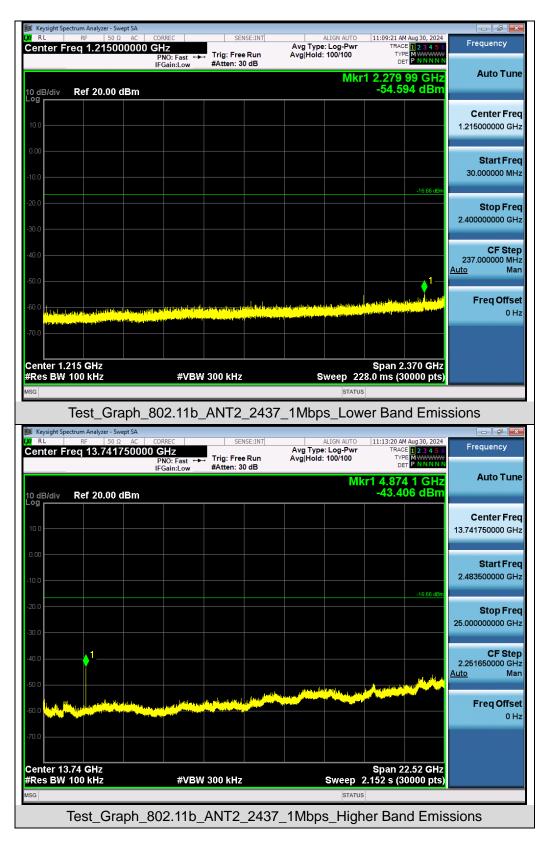




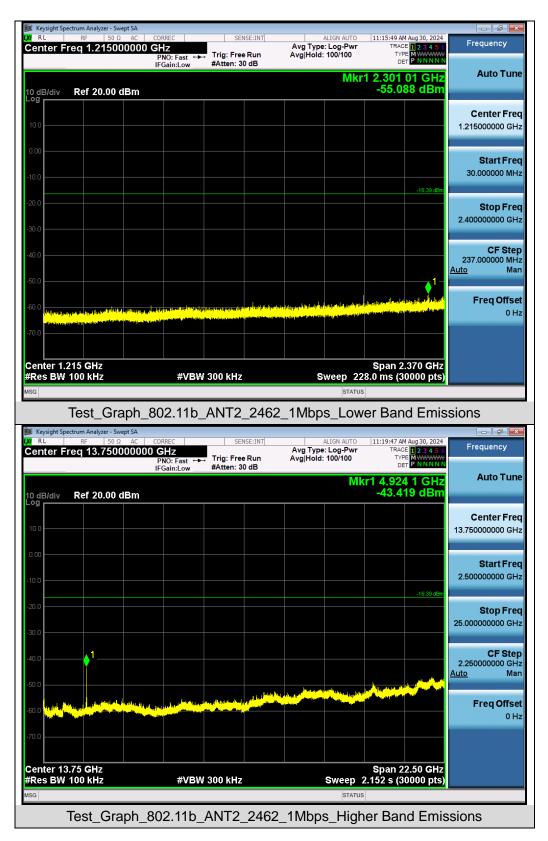
Test Graphs of Spurious Emissions in Non-Restricted Frequency Bands-2.4G WIFI (Module: ATBM6012B)



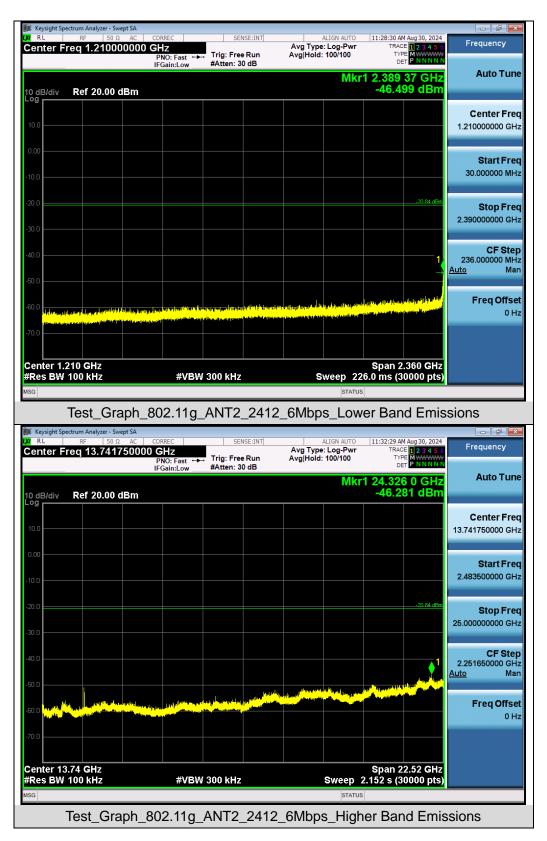




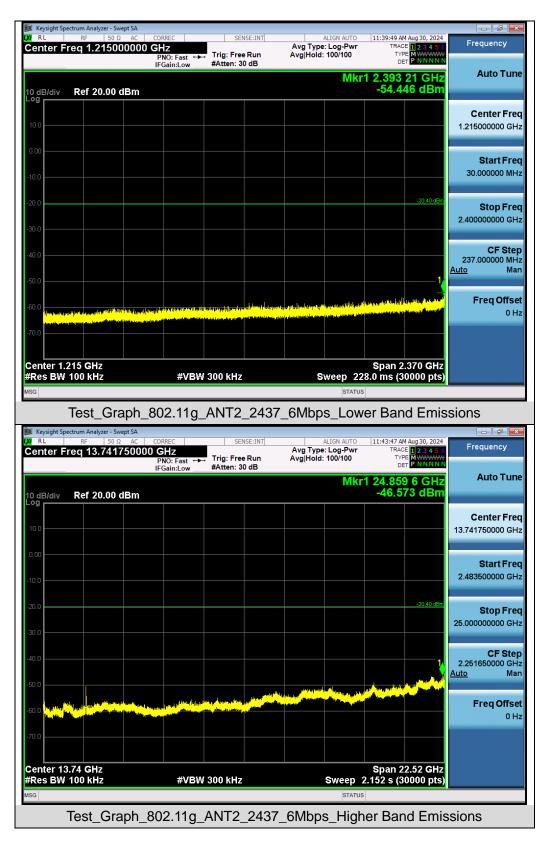






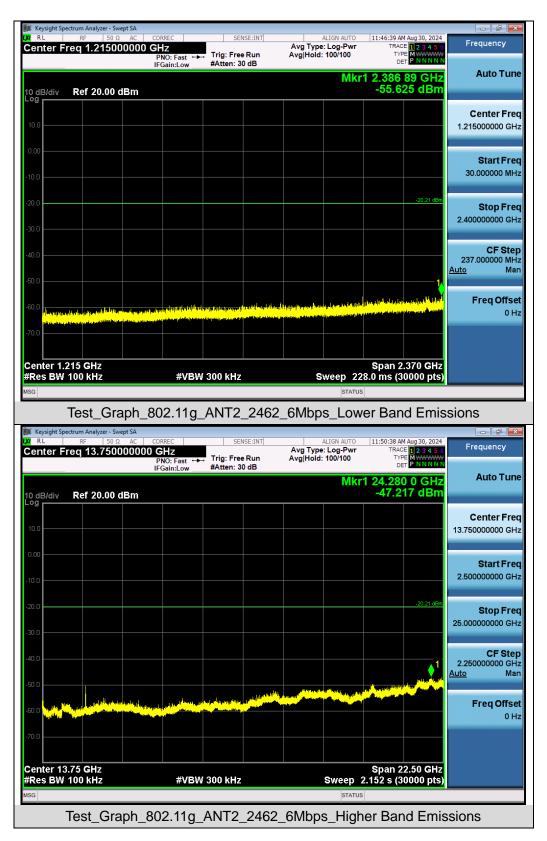




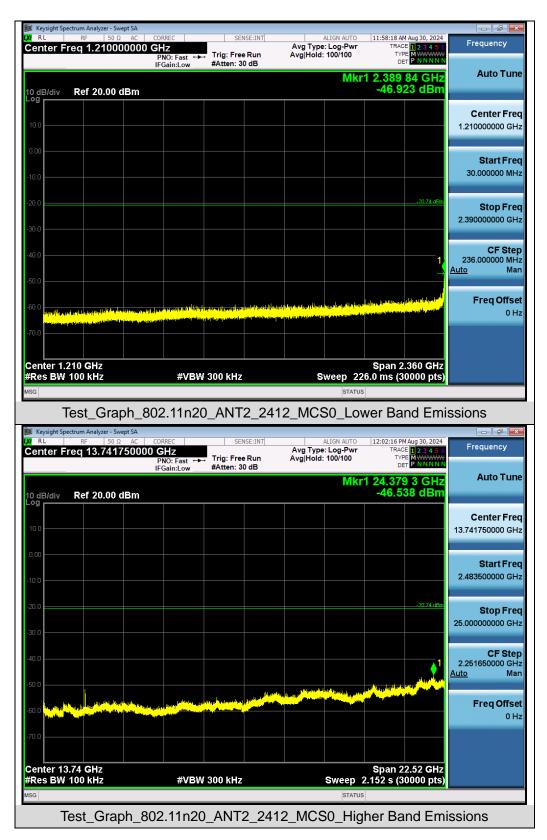


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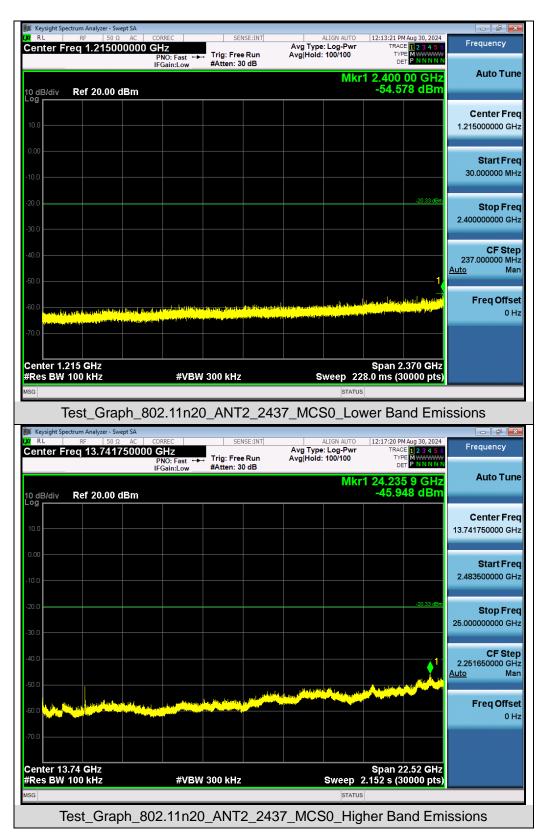




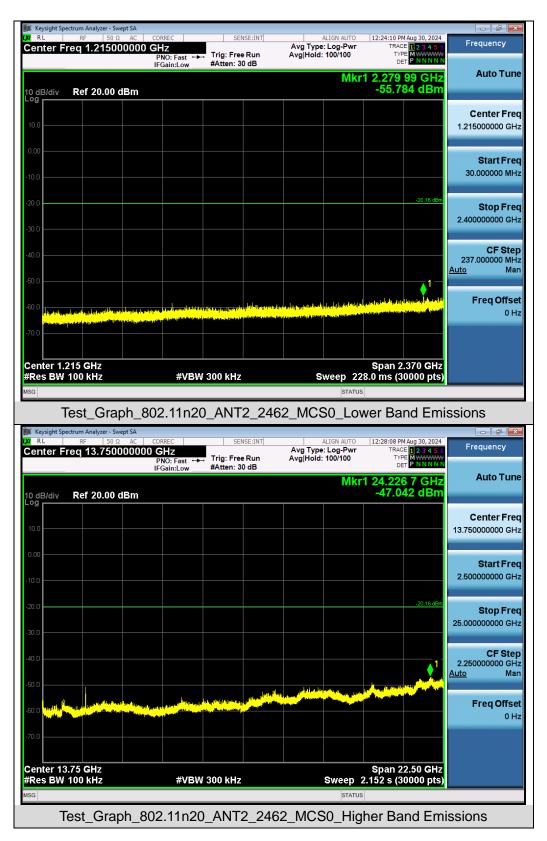


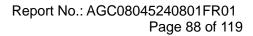






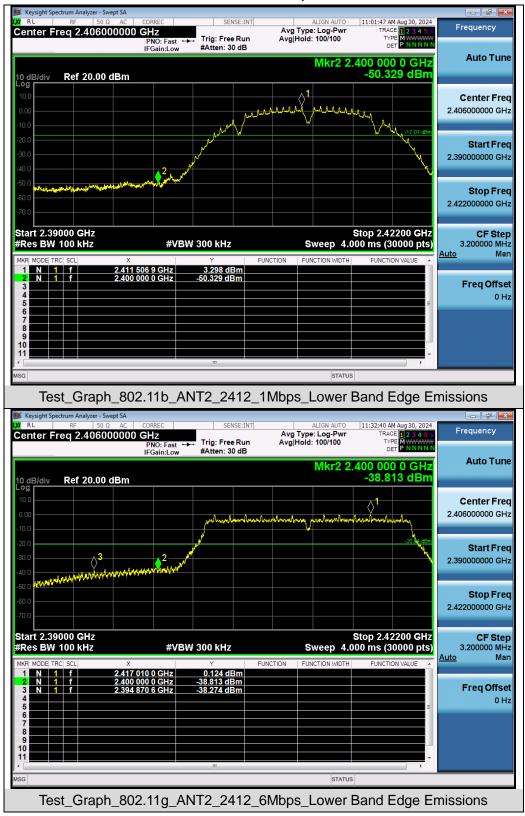








Test Graphs of Band Edge Emissions in Non-Restricted Frequency Bands-2.4G WIFI (Module: ATBM6012B)





🎉 Keysight Spectrum Analyzer - Swept SA					
X RL RF 50 Ω AC Center Freg 2.406000000	CORREC	SENSE:INT	ALIGN AUTO	12:02:27 PM Aug 30, 2024 TRACE 1 2 3 4 5 6	Frequency
10 dB/div Ref 20.00 dBm	PNO: Fast +++ Trig:		g Hold: 100/100	400 000 0 GHz -40.390 dBm	Auto Tune
10.0 0.00 -10.0		unhairtan artan	www.juceAunaAuna	1 bandasabayalasaay	Center Freq 2.406000000 GHz
-20.0 -30.0 -40.0 -50.0	2			-20.74¥9m	Start Freq 2.390000000 GHz
-50.0					Stop Freq 2.422000000 GHz
Start 2.39000 GHz #Res BW 100 kHz	#VBW 300 k	Hz FUNCTION		Stop 2.42200 GHz 00 ms (30000 pts) FUNCTION VALUE	CF Step 3.200000 MHz <u>Auto</u> Man
	-0.007 000 0 GHz -40.390			E	Freq Offset 0 Hz
10 11 MSG	m		STATUS		
Test_Graph_802	.11n20_ANT2		S0_Lower	Band Edge E	missions



11. Radiated Spurious Emission

11.1 Measurement Limits

15.209(a) Limit in the below table has to be followed

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

Note: All modes were tested for restricted band radiated emission, the test records reported below are the worst result compared to other modes.

11.2 Measurement Procedure

- 1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emission, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz RBW and 3MHz VBW for peak reading. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds.



As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.

- 8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.
- The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Start ~Stop Frequency	9kHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150kHz~30MHz/RB 9kHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120kHz for QP
Start ~Stop Frequency	1GHz~26.5GHz
	1MHz/3MHz for Peak, 1MHz/3MHz for Average

Receiver Parameter	Setting
Start ~Stop Frequency	9kHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150kHz~30MHz/RB 9kHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120kHz for QP



• Quasi-Peak Measurements below 1GHz

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. Span was set greater than 1MHz
- 3. RBW = as shown in the table above
- 4. Detector = CISPR quasi-peak
- 5. Sweep time = auto couple
- 6. Trace was allowed to stabilize

• Peak Measurements above 1GHz

- 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

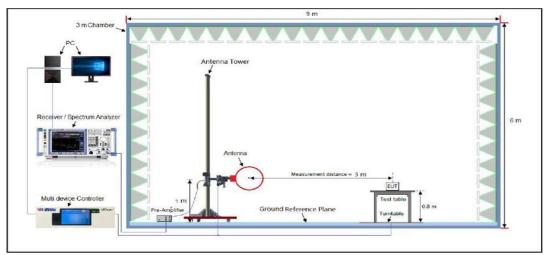
• Average Measurements above 1GHz

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW ≥ [3 × RBW]
- 4. Detector = Power averaging (rms)
- 5. Averaging type = power (i.e., rms)
- 6. Sweep time = auto
- 7. Perform a trace average of at least 100 traces.
- 8. The applicable correction factor is [10*log (1 / D)], where D is the duty cycle. The factor had been edited in the "Input Correction" of the Spectrum Analyzer.

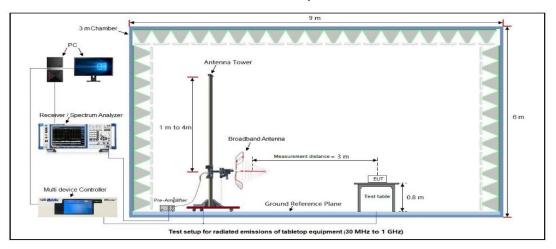


11.3 Measurement Setup (Block Diagram of Configuration)

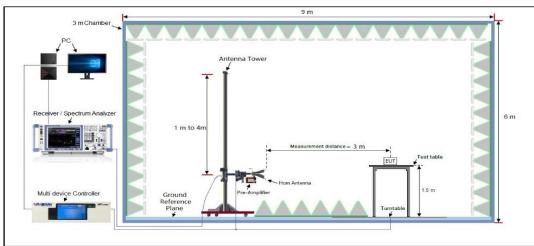




Radiated Emission Test Setup 30MHz-1000MHz



Radiated Emission Test Setup Above 1000MHz



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869.1301

11.4 Measurement Result

Radiated Emission at 9kHz-30MHz

The amplitude of spurious emissions from 9kHz to 30MHz which are attenuated more than 20 dB below the permissible value need not be reported.

			Radia	ted Emiss	ion Test Res	ults at 30MF	z-1GHz			
EUT N	ame	Netv	work Video Re	ecorder		Model Na	me	N44WET		
Tempe	erature	23.2	2°C			Relative H	lumidity	59.6%	59.6%	
Pressu	ure	960	hPa			Test Volta	ge	Normal V	oltage	
Test M	lode	Mod	le 10			Antenna	Polarity	Horizonta	I	
	72.0 dl	8uV/m	50 60 70		×	300		Limit: Margin:	000	
Final D	ata List									
NO.	Freq. [MHz]		Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	153.200)4	36.17	13.29	43.50	7.33	100	140	Horizontal	
2	255.623	30	39.61	14.93	46.00	6.39	100	70	Horizontal	
3	357.928	36	42.34	17.55	46.00	3.66	100	190	Horizontal	
4	459.114	43	41.73	24.43	46.00	4.27	100	200	Horizontal	
5	562.662	24	38.03	24.21	46.00	7.97	100	170	Horizontal	
	1			1				1	1	

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46.00

8.24

100

60

Horizontal

37.76

29.19



			Radiate	ed Emissio	on Test Resu	Its at 30MHz-	1GHz		
EUT Na	ame	Network Video Recorder				Model Nam	ne	N44WET	
Tempe	rature	23.2°C				Relative H	umidity	59.6%	
Pressu	re	960ŀ	۱Pa			Test Voltag	je	Normal Voltage	
Test Mo	ode	Mod	e 10			Antenna P	olarity	Vertical	
	72.0 dB	u¥/m						imit: —	
	-8 30.000	40	50 60 70 8		(MHz)		× ×	6	0
Final Da	ata List								
NO.	Freq. [MHz]		Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	153.200)4	40.30	18.20	43.50	3.2	100	40	Vertical
2	255.623	80	41.06	17.53	46.00	4.94	100	120	Vertical
3	356.675	57	40.66	20.93	46.00	5.34	100	160	Vertical
4	459.114	3	42.71	25.24	46.00	3.29	100	130	Vertical
5	562.662	24	42.74	24.73	46.00	3.26	100	210	Vertical
6	663.472	28	41.30	27.53	46.00	4.7	100	200	Vertical
RESUL	.T: Pass								

Note:

1. Factor=Antenna Factor + Cable loss, Margin=Limit-Level.

2. All test modes had been pre-tested. The mode 10 is the worst case and recorded in the report.

3. All modes and antennas in the radiation spurious test are pre-scanned. The 2.4G WIFI (Module: RTL8192FC)-802.11n40 is evaluated as the worst data.



UT Name	Network Vide	Network Video Recorder Model Name					N44WET		
emperature	23.2°C			Relat	ive Humidity	/	59.6%		
ressure	960hPa	960hPa Test Voltage Normal Volta			Test Voltage			I Voltage	
est Mode	Mode 10			Ante	nna Polarity		Horizo	ntal	
Frequency	Meter Reading	leter Reading Factor Emission Level Limits		Emission Level Limits		Ν	<i>l</i> argin	Value Type	
(MHz)	(dBµV)	(dB)	(dBµV/	/m)	(dBµV/m)		(dB)	value Type	
4844.000	47.52	0.08	47.6	6	74		-26.4	peak	
4844.000	38.64	0.08	38.7	2	54	-	15.28	AVG	
7266.000	42.48	2.21	44.6	9	74	-	29.31	peak	
7266.000	33.29	2.21	35.5	5	54		-18.5	AVG	
Remark:									
UT Name	nna Factor + Cable		amplifier.	Mode	el Name		N44WI		
			amplifier.		el Name ive Humidity	/	N44WI 59.6%	ĒT	
UT Name	Network Vide		amplifier.	Relat		/	59.6%	ET I Voltage	
UT Name emperature	Network Vide		amplifier.	Relat	ive Humidity	1	59.6%	I Voltage	
UT Name emperature ressure	Network Vide 23.2°C 960hPa		amplifier.	Relat Test	ive Humidity Voltage		59.6% Norma	l Voltage I	
UT Name emperature ressure est Mode	Network Vide 23.2°C 960hPa Mode 10	eo Recorder		Relat	ive Humidity Voltage nna Polarity		59.6% Norma Vertica	I Voltage	
UT Name emperature ressure est Mode	Network Vide 23.2°C 960hPa Mode 10 Meter Reading	eo Recorder Factor	Emission	Relat Test V Anter	ive Humidity Voltage nna Polarity Limits	N	59.6% Norma Vertica /argin	l Voltage I	
UT Name emperature ressure est Mode Frequency (MHz)	Network Vide 23.2°C 960hPa Mode 10 Meter Reading (dBµV)	eo Recorder Factor (dB)	Emission (dBµV/	Relat Test Anter	ive Humidity Voltage nna Polarity Limits (dBμV/m)	N	59.6% Norma Vertica /argin (dB)	I Voltage I Value Type	
UT Name emperature ressure est Mode Frequency (MHz) 4844.000	Network Vide 23.2°C 960hPa Mode 10 Meter Reading (dBµV) 47.78	eo Recorder Factor (dB) 0.08	Emission (dBµV/ 47.8	Relat Test	ive Humidity Voltage nna Polarity Limits (dBµV/m) 74		59.6% Norma Vertica /argin (dB) 26.14	I Voltage I Value Type peak	
UT Name emperature ressure est Mode Frequency (MHz) 4844.000 4844.000	Network Vide 23.2°C 960hPa Mode 10 Meter Reading (dBµV) 47.78 38.59	Factor (dB) 0.08 0.08	Emission (dBµV/ 47.8 38.6	Relat Test Anter Level /m) 6 7 2	ive Humidity Voltage nna Polarity Limits (dBµV/m) 74 54		59.6% Norma Vertica /argin (dB) 26.14 15.33	l Voltage l Value Type peak AVG	
UT Name emperature ressure est Mode Frequency (MHz) 4844.000 4844.000 7266.000	Network Vide 23.2°C 960hPa Mode 10 Meter Reading (dBµV) 47.78 38.59 42.41	Eo Recorder Factor (dB) 0.08 0.08 2.21	Emission (dBµV/ 47.8 38.6 44.6	Relat Test Anter Level /m) 6 7 2	ive Humidity Voltage nna Polarity Limits (dBµV/m) 74 54 74		59.6% Norma Vertica /argin (dB) 26.14 15.33 29.38	l Voltage l Value Type peak AVG peak	
UT Name emperature ressure est Mode Frequency (MHz) 4844.000 4844.000 7266.000	Network Vide 23.2°C 960hPa Mode 10 Meter Reading (dBµV) 47.78 38.59 42.41	Eo Recorder Factor (dB) 0.08 0.08 2.21	Emission (dBµV/ 47.8 38.6 44.6	Relat Test Anter Level /m) 6 7 2	ive Humidity Voltage nna Polarity Limits (dBµV/m) 74 54 74		59.6% Norma Vertica /argin (dB) 26.14 15.33 29.38	l Voltage l Value Type peak AVG peak	

Radiated Emissions Test Results above 1 GHz

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass



EUT Name		Network Video Recorder				el Name		N44W	ΈT	
Temperature		23.2°C			Relat	ive Humi	dity	59.6%)	
Pressure		960hPa			Test	Voltage		Norma	al Voltage	
Test Mode		Mode 11			Antenna Polarity			Horizontal		
Frequenc	cy	Meter Readir	ng Factor	Emissior	n Level	Limits		Margin	Value Typ	
(MHz)		(dBµV)	(dB)	(dBµV	//m)	(dBµV/m)	(dB)	value i y	
4874.000	0	45.49	0.14	45.6	3	74		-28.37	peak	
4874.000	0	37.85	0.14	37.9	9	54		-16.01	AVG	
7311.00	0	42.61	2.36	44.9	7	74		-29.03	peak	
7311.000	0	33.48	2.36	35.8	4	54		-18.16	AVG	
Remark:										
Factor = A	ntenna	Factor + (<u>Cable Loss – P</u>	re-amplifier.						
EUT Name		Network	Video Record	ler	Mode	el Name		N44W	ΈT	
Temperature		23.2°C			Relat	ive Humi	dity	59.6%)	
Pressure		960hPa			Test	Voltage		Norma	al Voltage	
Test Mode		Mode 11			Ante	nna Polar	ity	Vertica	al	
	Γ									1
Frequency		Reading	Factor	Emission Lev		Limits	Margi		Value Type	
(MHz)	· ·	dBµV)	(dB)	(dBµV/m)	(0	dBµV/m)	(dB)			
4874.000		45.28	0.14	45.42		74	-28.5		peak	
4874.000		37.41	0.14	37.55		54	-16.4		AVG	
7311.000		11.95	2.36	44.31		74	-29.6		peak	
7311.000	3	32.67	2.36	35.03		54	-18.9	7	AVG	
Pomork:								I		
Remark:	no F o -	tor 1 Oakl		malifier						
Factor = Anten			e Loss – Pre-a	impliller.						J

Radiated Emissions Test Results above 1GHz

RESULT: Pass



IT Name Network Video Recorder		Model	Name	N44WE	Г			
nper	ature	23.2°C			Relativ	ve Humidity	59.6%	
essui	re	960hPa			Test V	oltage	Normal	/oltage
st Mo	ode	Mode 12			Anten	na Polarity	Horizont	al
F	Frequency	Meter Reading	Factor	Emissi	on Level	Limits	Margin	
	(MHz)	(dBµV)	(dB)	(dBµ	V/m)	(dBµV/m)	(dB)	Value Type
4	4904.000	47.18	0.22	47	'.4	74	-26.6	peak
4	4904.000	38.42	0.22	38	.64	54	-15.36	AVG
7	7356.000	41.49	2.64	44	.13	74	-29.87	peak
7	7356.000	32.5	2.64	35	.14	54	-18.86	AVG
Remark:								

Radiated Emissions Test Results above 1GHz

EUT Name	Network Video Recorder	Model Name	N44WET
Temperature	23.2°C	Relative Humidity	59.6%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 12	Antenna Polarity	Vertical

Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
47.28	0.22	47.5	74	-26.5	peak
37.45	0.22	37.67	54	-16.33	AVG
42.19	2.64	44.83	74	-29.17	peak
33.62	2.64	36.26	54	-17.74	AVG
	(dBµV) 47.28 37.45 42.19	(dBµV) (dB) 47.28 0.22 37.45 0.22 42.19 2.64	(dBµV) (dB) (dBµV/m) 47.28 0.22 47.5 37.45 0.22 37.67 42.19 2.64 44.83	(dBµV) (dB) (dBµV/m) (dBµV/m) 47.28 0.22 47.5 74 37.45 0.22 37.67 54 42.19 2.64 44.83 74	(dBµV) (dB) (dBµV/m) (dBµV/m) (dB) 47.28 0.22 47.5 74 -26.5 37.45 0.22 37.67 54 -16.33 42.19 2.64 44.83 74 -29.17

RESULT: Pass

Note:

- 1. The amplitude of other spurious emissions from 1G to 25 GHz which are attenuated more than 20 dB below the permissible value need not be reported.
- 2. Factor = Antenna Factor + Cable loss - Pre-amplifier gain, Margin = Emission Level-Limit.
- The "Factor" value can be calculated automatically by software of measurement system. 3.
- All modes and antennas in the radiation spurious test are pre-scanned. The 2.4G WIFI (Module: 4. RTL8192FC)-802.11n40 is evaluated as the worst data.

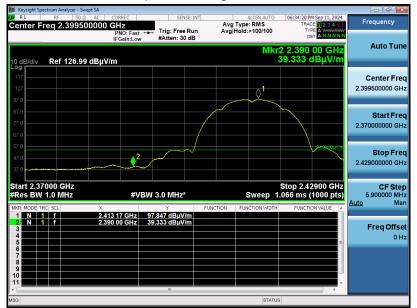


EUT Name	Network Video Recorder	Model Name	N44WET
Temperature	25.2°C	Relative Humidity	61.0%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna Polarity	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

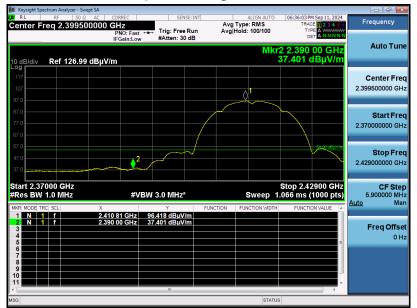


EUT Name	Network Video Recorder	Model Name	N44WET
Temperature	25.2°C	Relative Humidity	61.0%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna Polarity	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

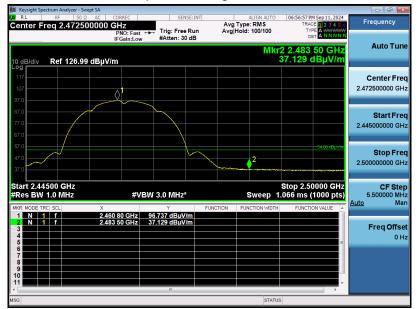


EUT Name	Network Video Recorder	Model Name	N44WET
Temperature	25.2°C	Relative Humidity	61.0%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna Polarity	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement

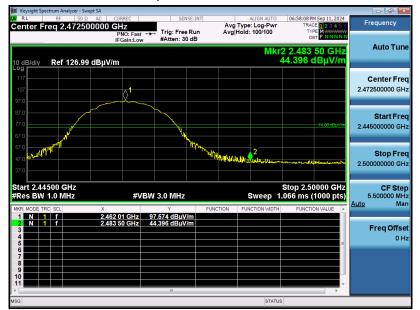


RESULT: Pass

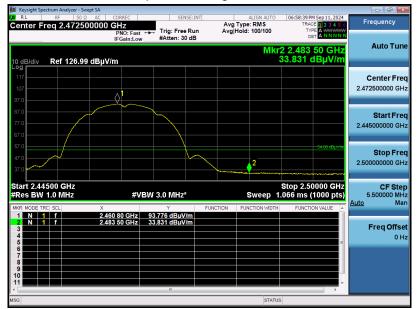


EUT Name	Network Video Recorder	Model Name	N44WET
Temperature	25.2°C	Relative Humidity	61.0%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna Polarity	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

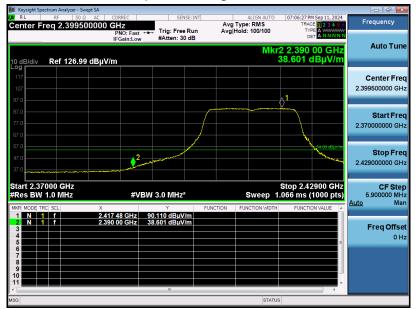


EUT Name	Network Video Recorder	Model Name	N44WET
Temperature	25.2°C	Relative Humidity	61.0%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 4	Antenna Polarity	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

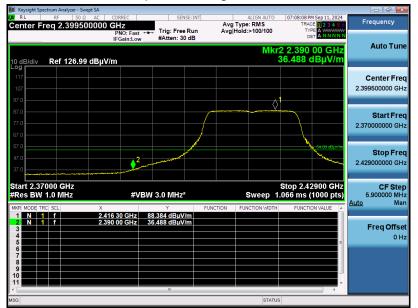


EUT Name	Network Video Recorder	Model Name	N44WET
Temperature	25.2°C	Relative Humidity	61.0%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 4	Antenna Polarity	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass



Band Edge Emission Test Resul	ts for Restricted Bands	S
Network Video Recorder	Model Name	

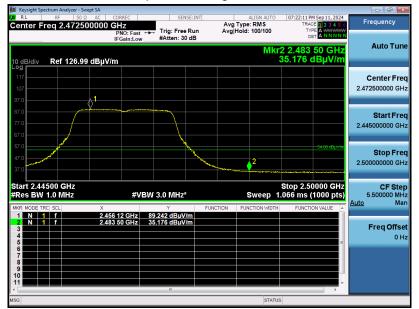
	Dana Lage Linission fest Results for Restricted Danas				
ame	Network Video Recorder	Model Name	N44WET		

EUT Name	Network Video Recorder	Model Name	N44WET
Temperature	25.2°C	Relative Humidity	61.0%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 6	Antenna Polarity	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

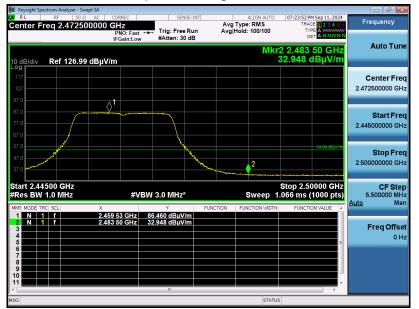


EUT Name	Network Video Recorder	Model Name	N44WET
Temperature	25.2°C	Relative Humidity	61.0%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 6	Antenna Polarity	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement

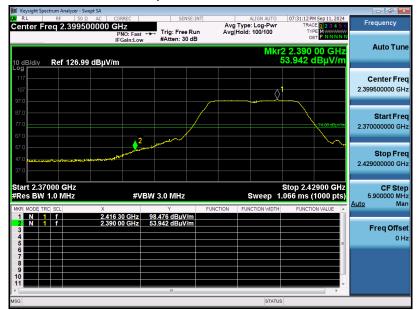


RESULT: Pass

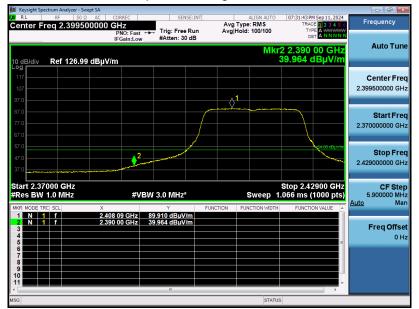


EUT Name	Network Video Recorder	Model Name	N44WET
Temperature	25.2°C	Relative Humidity	61.0%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 7	Antenna Polarity	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement

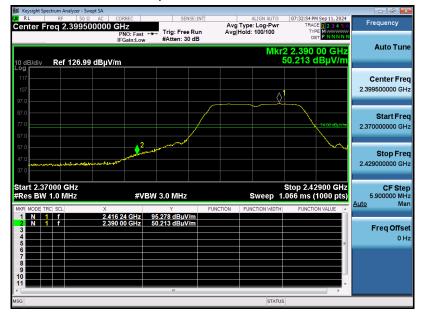


RESULT: Pass

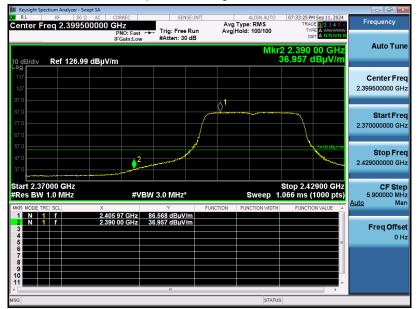


EUT Name	Network Video Recorder	Model Name	N44WET
Temperature	25.2°C	Relative Humidity	61.0%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 7	Antenna Polarity	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

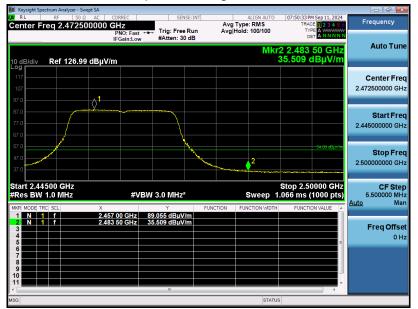


EUT Name	Network Video Recorder	Model Name	N44WET
Temperature	25.2°C	Relative Humidity	61.0%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 9	Antenna Polarity	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

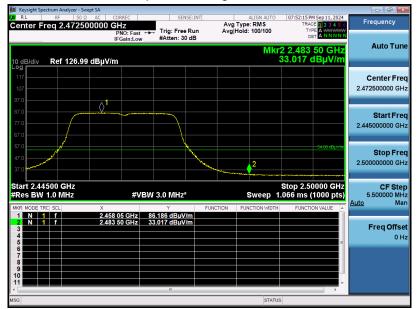


EUT Name	Network Video Recorder	Model Name	N44WET
Temperature	25.2°C	Relative Humidity	61.0%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 9	Antenna Polarity	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

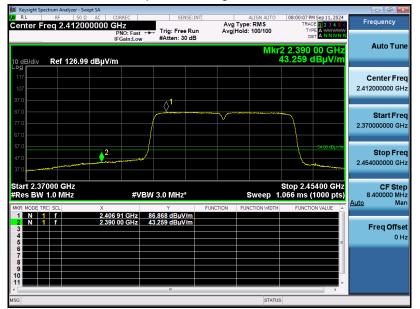


EUT Name	Network Video Recorder	Model Name	N44WET
Temperature	25.2°C	Relative Humidity	61.0%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 10	Antenna Polarity	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

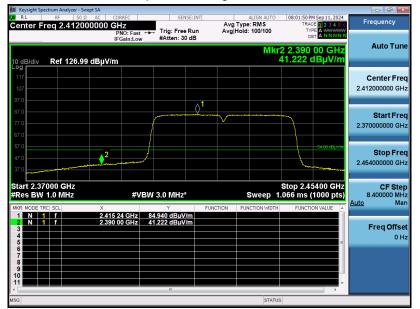


EUT Name	Network Video Recorder	Model Name	N44WET
Temperature	25.2°C	Relative Humidity	61.0%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 10	Antenna Polarity	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass



EUT Name	Network Video Recorder	Model Name	N44WET
Temperature	25.2°C	Relative Humidity	61.0%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 12	Antenna Polarity	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

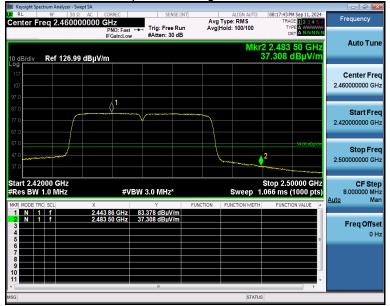


EUT Name	Network Video Recorder	Model Name	N44WET
Temperature	25.2°C	Relative Humidity	61.0%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 12	Antenna Polarity	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

Note: 1. The factor had been edited in the "Input Correction" of the Spectrum Analyzer. All modes and antennas in the radiation spurious test are pre-scanned. The 2.4G WIFI (Module: RTL8192FC) is evaluated as the worst data.