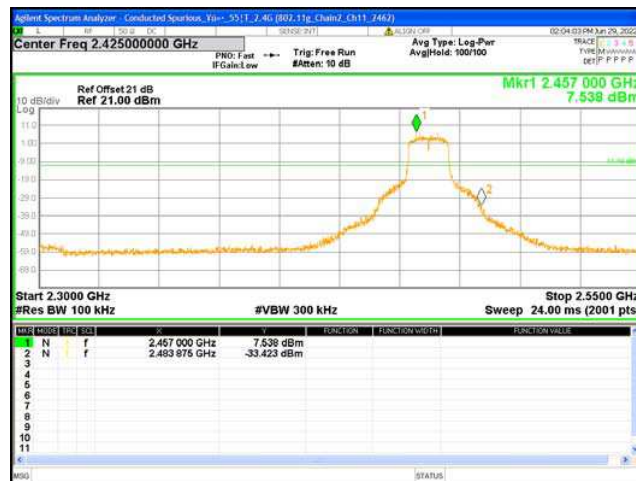


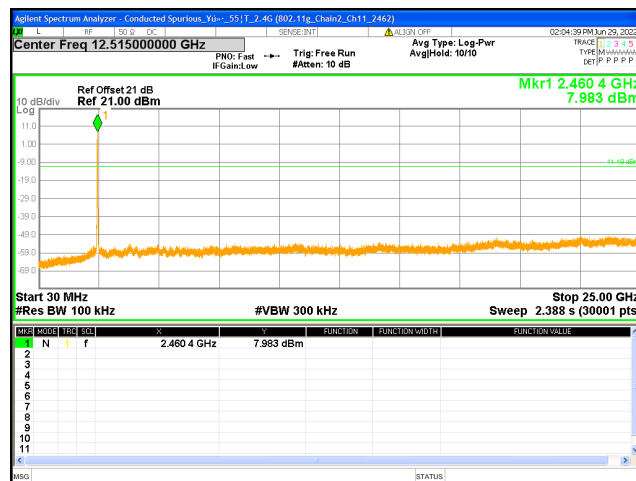
Chain2 : Conducted Spurious @ 802.11g Mode Ch11



Chain2 : Conducted Spurious @ 802.11g Mode Ch11



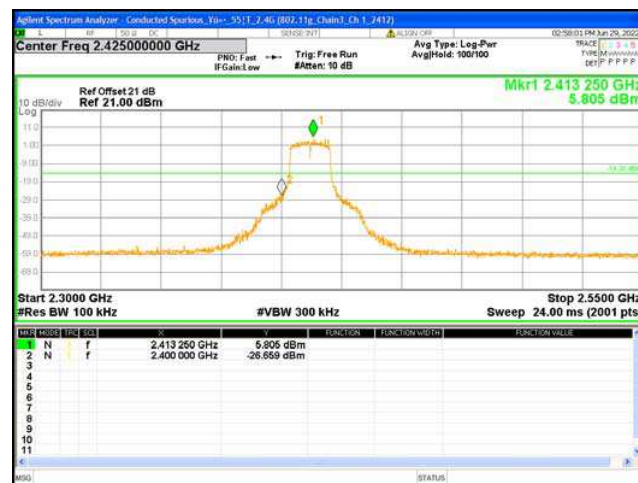
Chain2 : Conducted Spurious @ 802.11g Mode Ch11



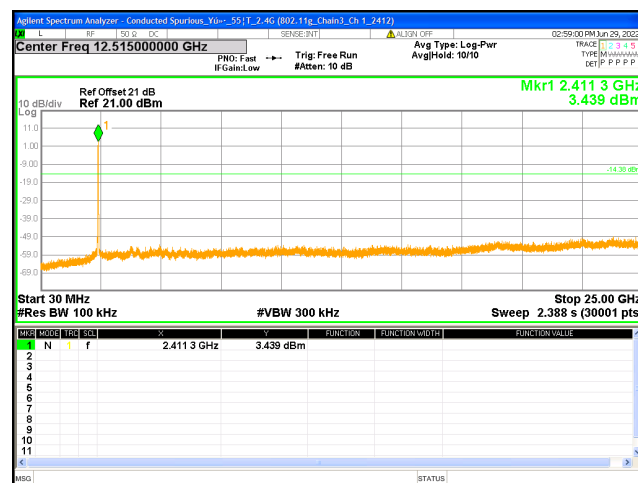
Chain3 : Conducted Spurious @ 802.11g Mode Ch 1



Chain3 : Conducted Spurious @ 802.11g Mode Ch 1



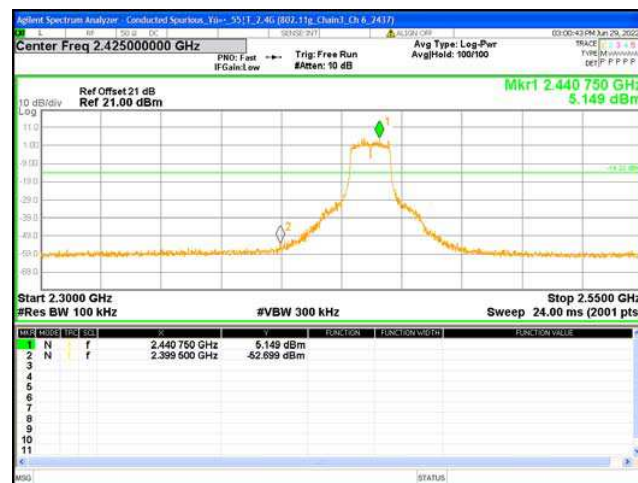
Chain3 : Conducted Spurious @ 802.11g Mode Ch 1



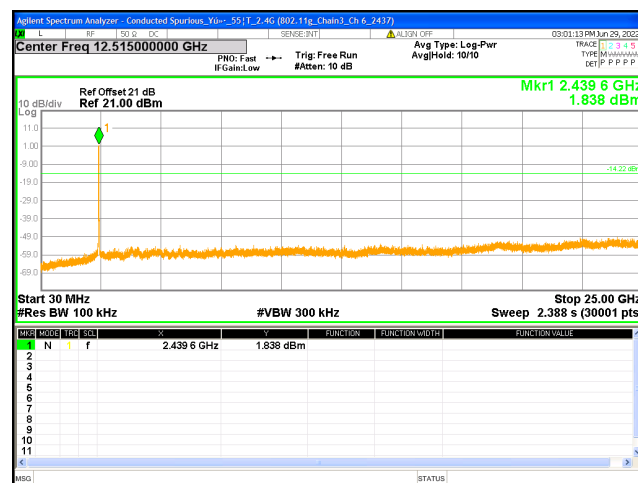
Chain3 : Conducted Spurious @ 802.11g Mode Ch 6



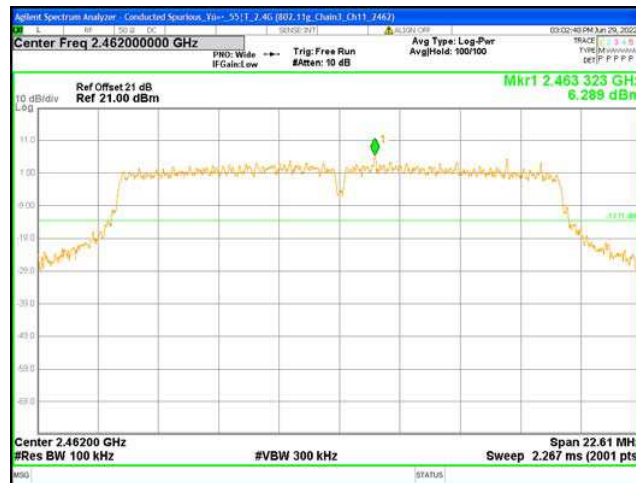
Chain3 : Conducted Spurious @ 802.11g Mode Ch 6



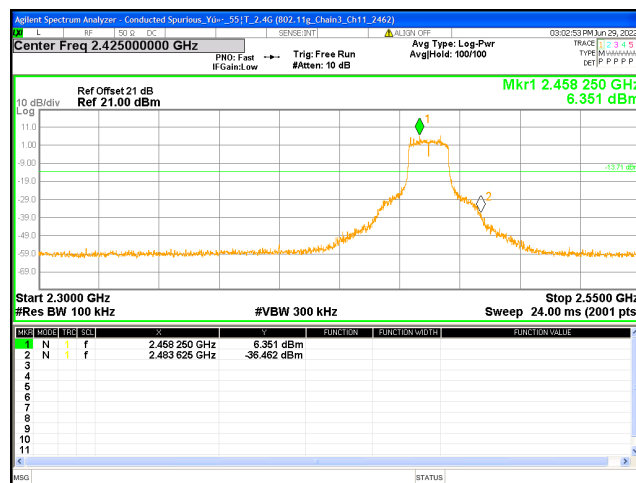
Chain3 : Conducted Spurious @ 802.11g Mode Ch 6



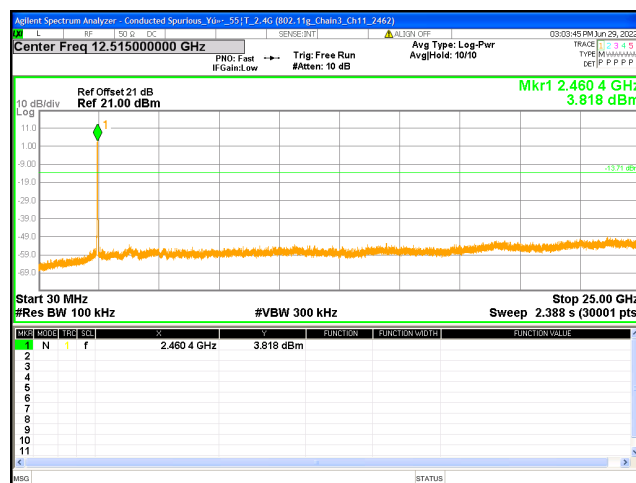
Chain3 : Conducted Spurious @ 802.11g Mode Ch11



Chain3 : Conducted Spurious @ 802.11g Mode Ch11



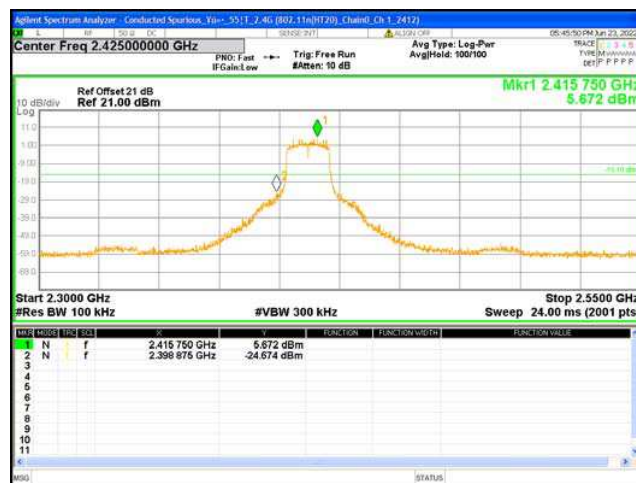
Chain3 : Conducted Spurious @ 802.11g Mode Ch11



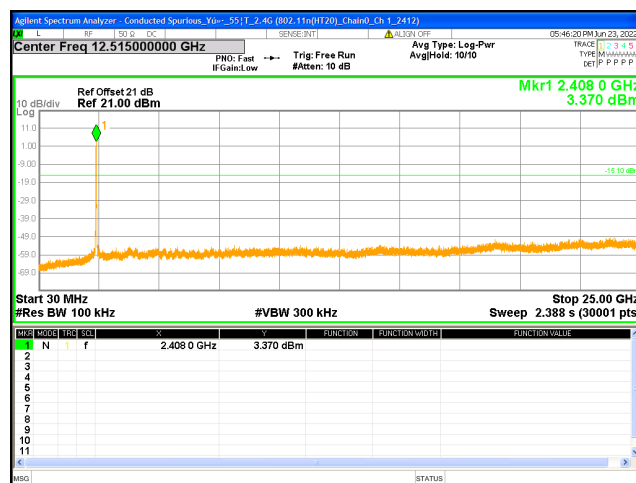
Chain0 : Conducted Spurious @ 802.11n(HT20) Mode Ch 1



Chain0 : Conducted Spurious @ 802.11n(HT20) Mode Ch 1



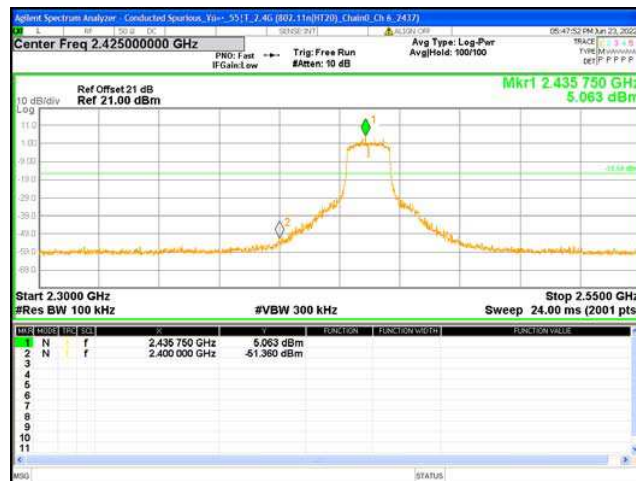
Chain0 : Conducted Spurious @ 802.11n(HT20) Mode Ch 1



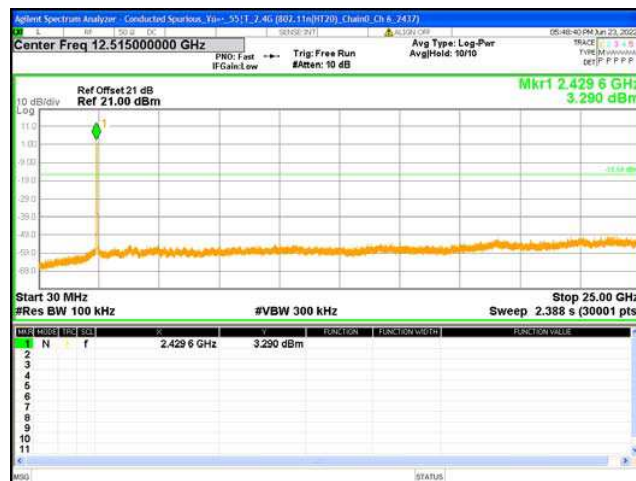
Chain0 : Conducted Spurious @ 802.11n(HT20) Mode Ch 6



Chain0 : Conducted Spurious @ 802.11n(HT20) Mode Ch 6



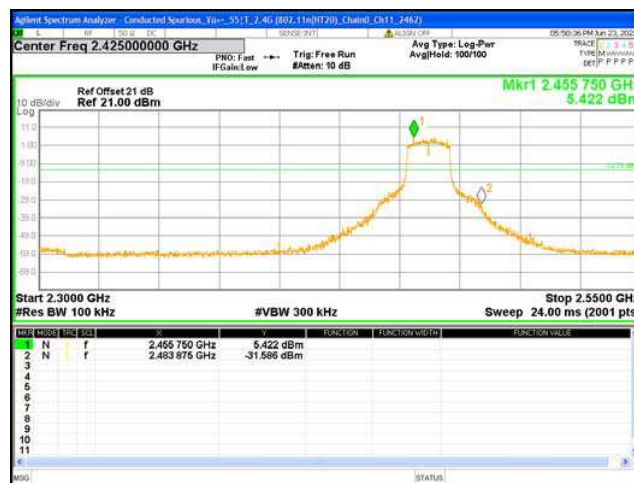
Chain0 : Conducted Spurious @ 802.11n(HT20) Mode Ch 6



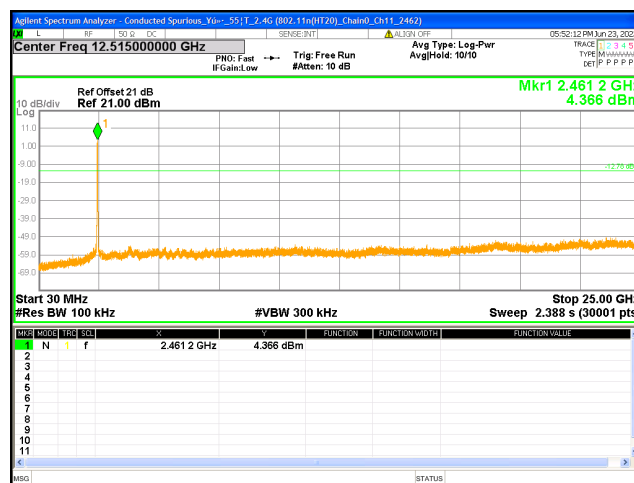
Chain0 : Conducted Spurious @ 802.11n(HT20) Mode Ch11



Chain0 : Conducted Spurious @ 802.11n(HT20) Mode Ch11



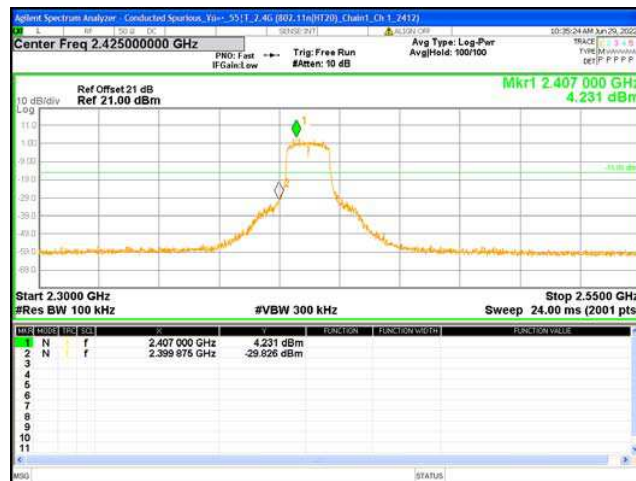
Chain0 : Conducted Spurious @ 802.11n(HT20) Mode Ch11



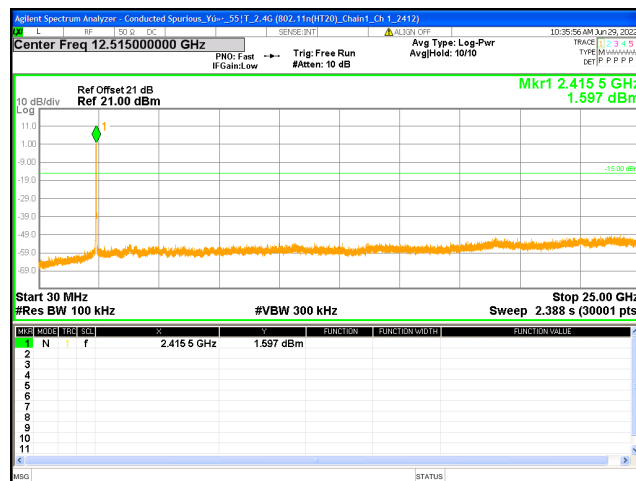
Chain1 : Conducted Spurious @ 802.11n(HT20) Mode Ch 1



Chain1 : Conducted Spurious @ 802.11n(HT20) Mode Ch 1



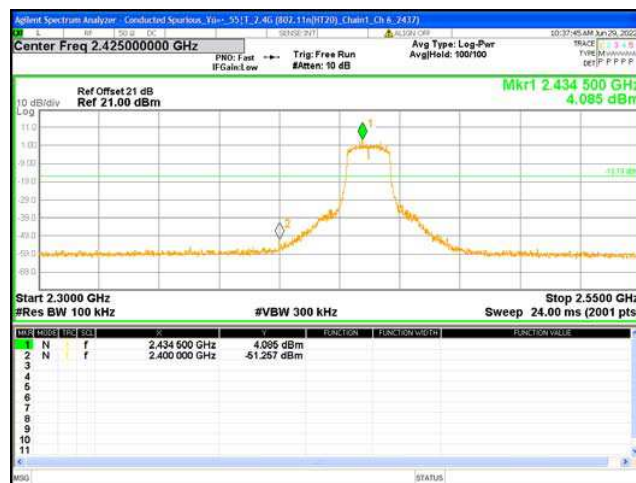
Chain1 : Conducted Spurious @ 802.11n(HT20) Mode Ch 1



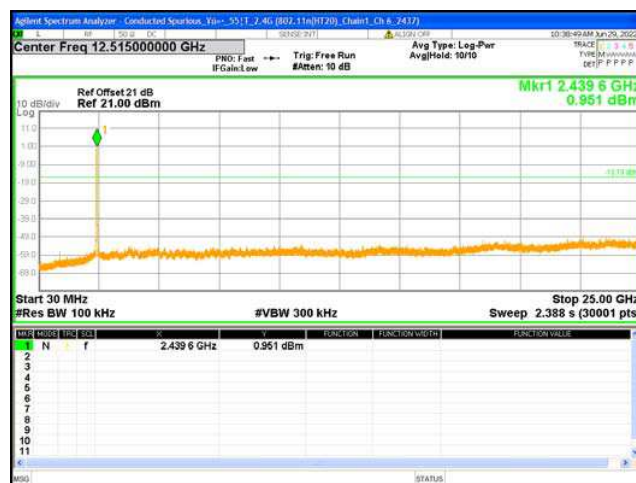
Chain1 : Conducted Spurious @ 802.11n(HT20) Mode Ch 6



Chain1 : Conducted Spurious @ 802.11n(HT20) Mode Ch 6



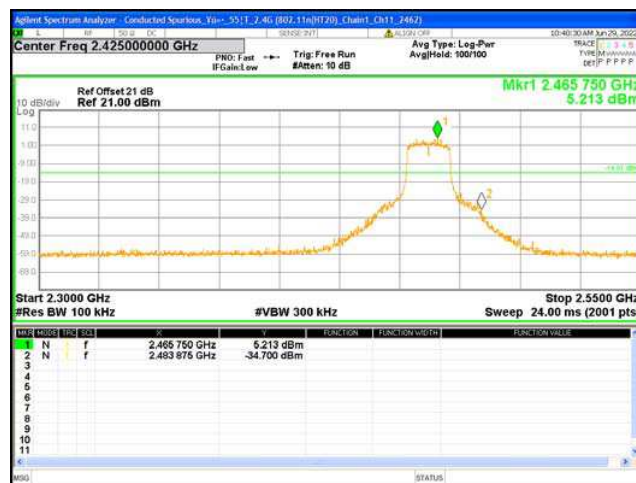
Chain1 : Conducted Spurious @ 802.11n(HT20) Mode Ch 6



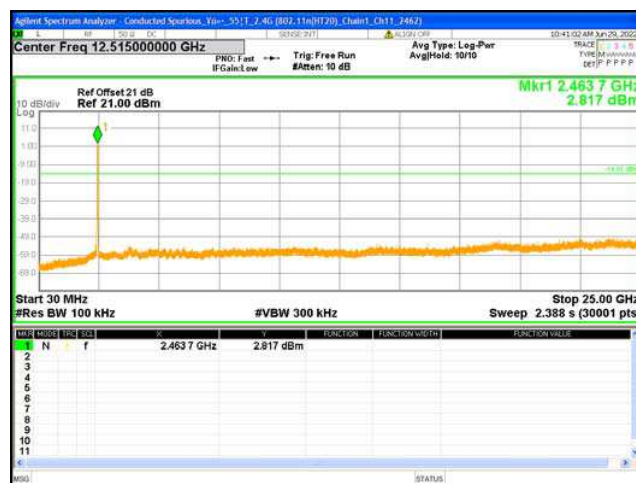
Chain1 : Conducted Spurious @ 802.11n(HT20) Mode Ch11



Chain1 : Conducted Spurious @ 802.11n(HT20) Mode Ch11



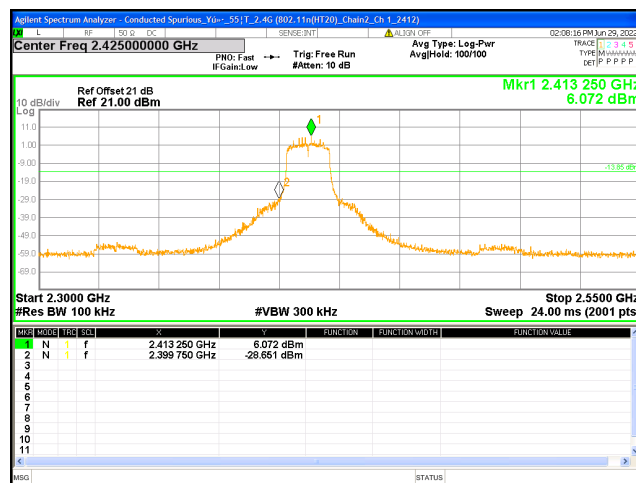
Chain1 : Conducted Spurious @ 802.11n(HT20) Mode Ch11



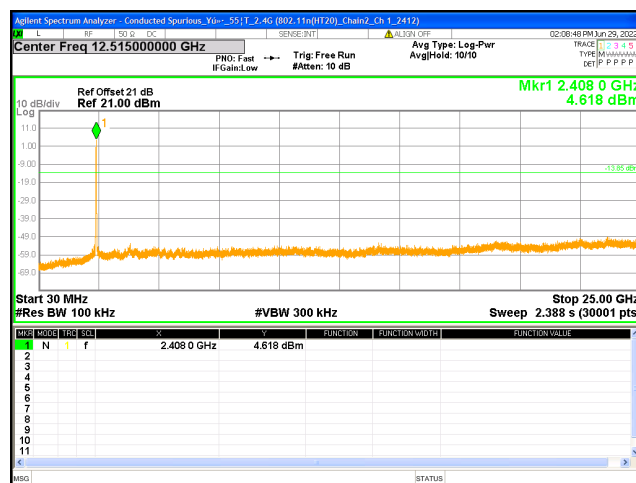
Chain2 : Conducted Spurious @ 802.11n(HT20) Mode Ch 1



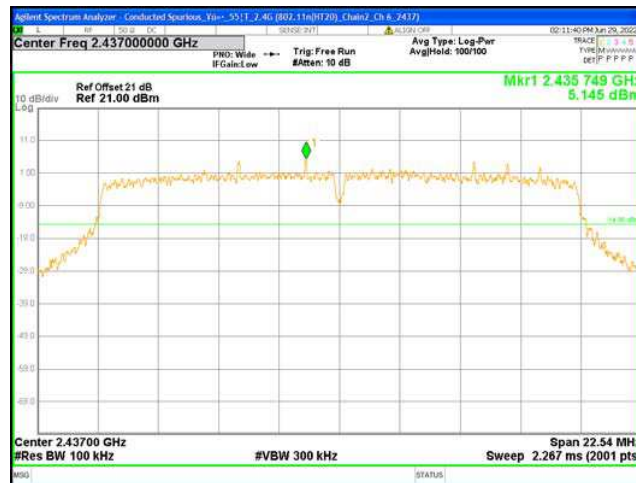
Chain2 : Conducted Spurious @ 802.11n(HT20) Mode Ch 1



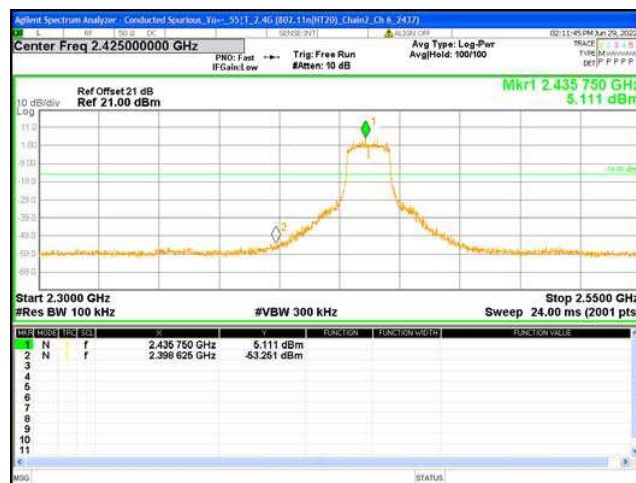
Chain2 : Conducted Spurious @ 802.11n(HT20) Mode Ch 1



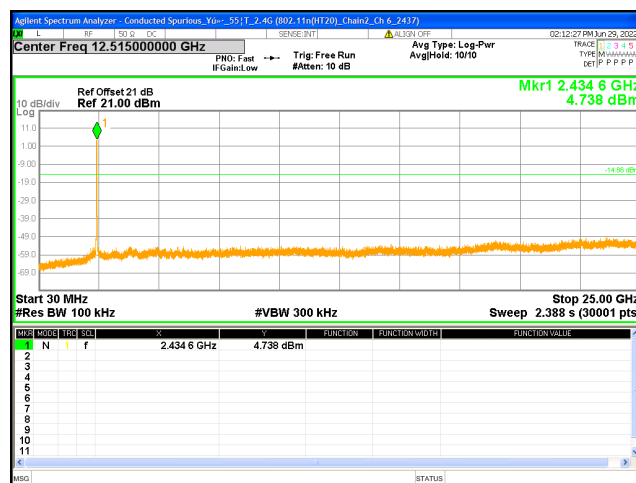
Chain2 : Conducted Spurious @ 802.11n(HT20) Mode Ch 6



Chain2 : Conducted Spurious @ 802.11n(HT20) Mode Ch 6



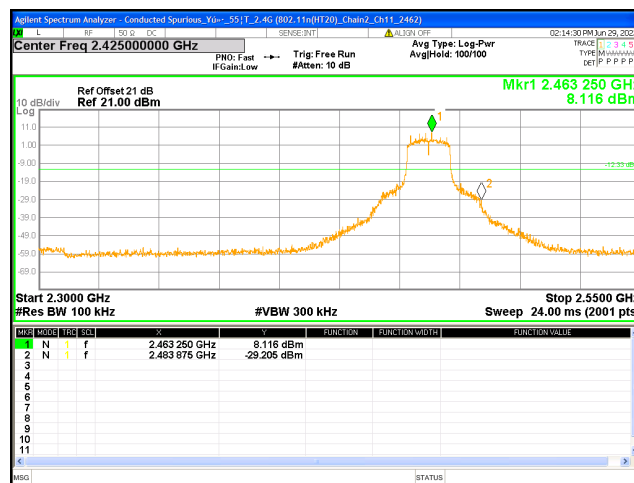
Chain2 : Conducted Spurious @ 802.11n(HT20) Mode Ch 6



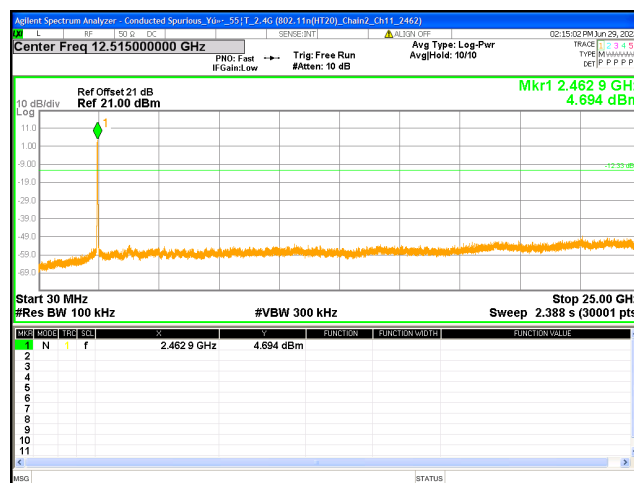
Chain2 : Conducted Spurious @ 802.11n(HT20) Mode Ch11



Chain2 : Conducted Spurious @ 802.11n(HT20) Mode Ch11



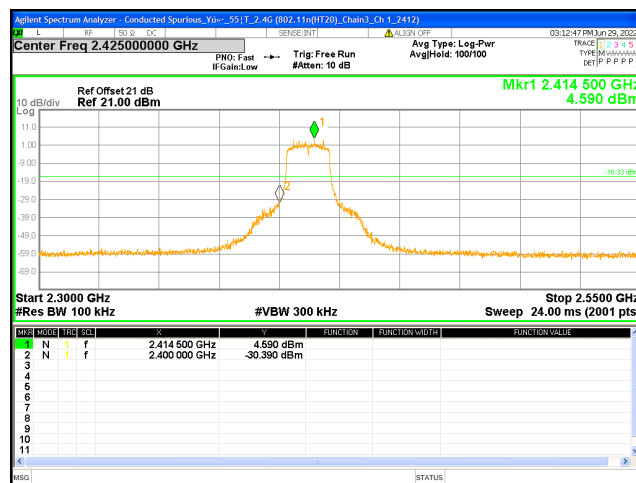
Chain2 : Conducted Spurious @ 802.11n(HT20) Mode Ch11



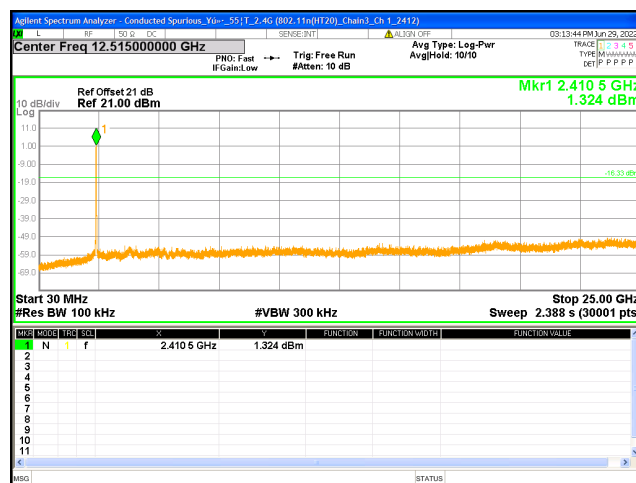
Chain3 : Conducted Spurious @ 802.11n(HT20) Mode Ch 1



Chain3 : Conducted Spurious @ 802.11n(HT20) Mode Ch 1



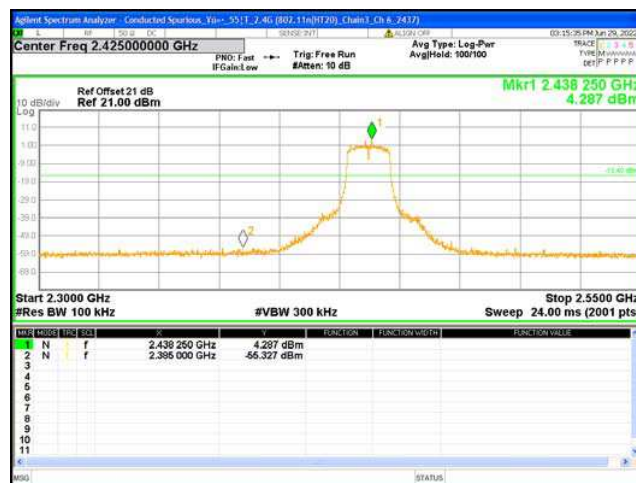
Chain3 : Conducted Spurious @ 802.11n(HT20) Mode Ch 1



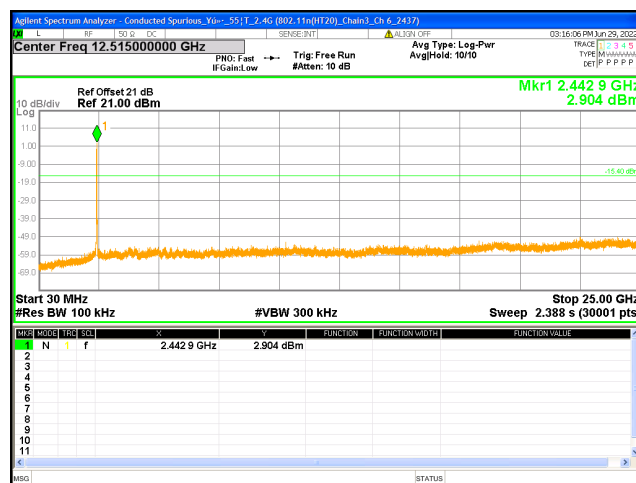
Chain3 : Conducted Spurious @ 802.11n(HT20) Mode Ch 6



Chain3 : Conducted Spurious @ 802.11n(HT20) Mode Ch 6



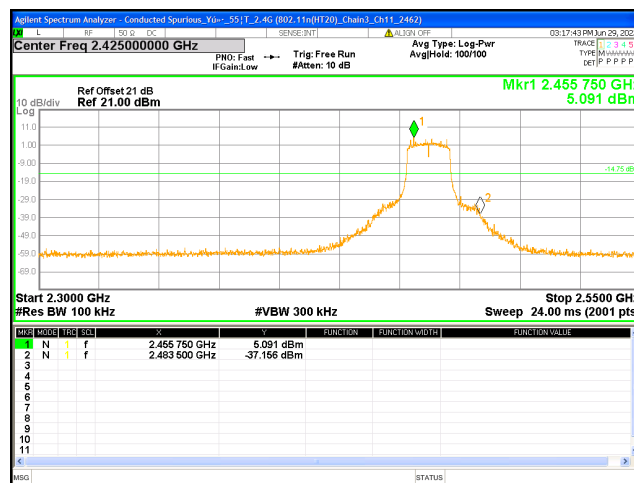
Chain3 : Conducted Spurious @ 802.11n(HT20) Mode Ch 6



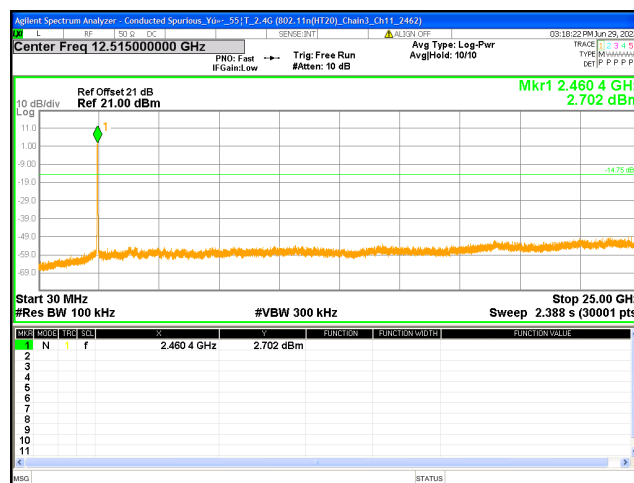
Chain3 : Conducted Spurious @ 802.11n(HT20) Mode Ch11



Chain3 : Conducted Spurious @ 802.11n(HT20) Mode Ch11



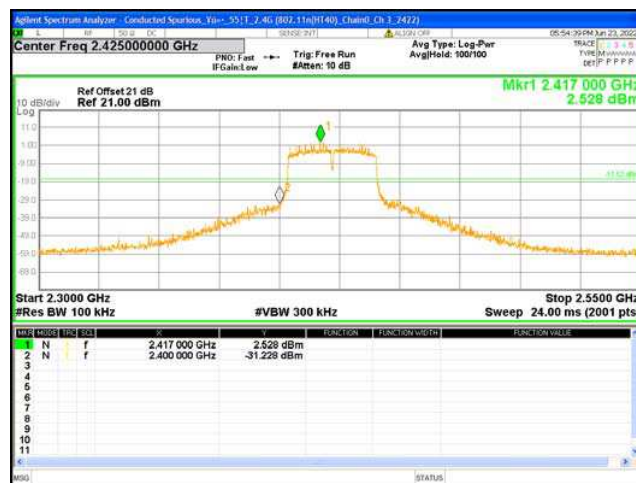
Chain3 : Conducted Spurious @ 802.11n(HT20) Mode Ch11



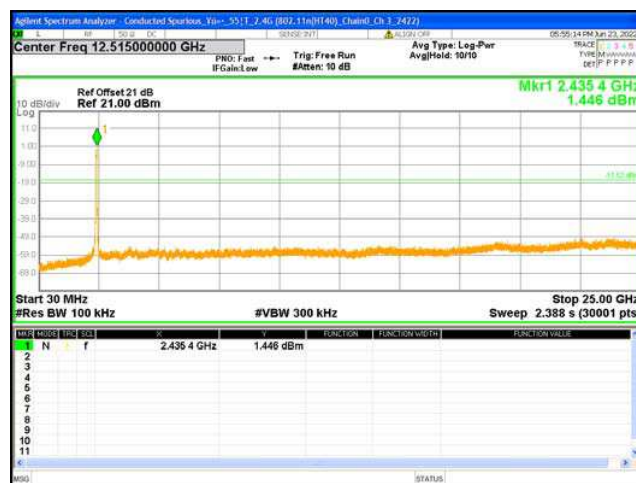
Chain0 : Conducted Spurious @ 802.11n(HT40) Mode Ch 3



Chain0 : Conducted Spurious @ 802.11n(HT40) Mode Ch 3



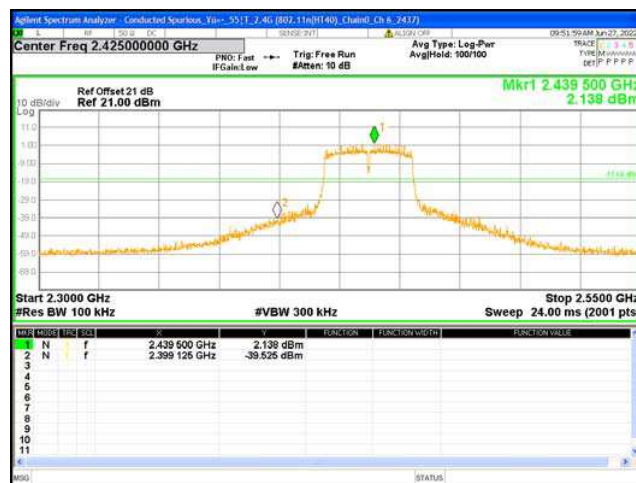
Chain0 : Conducted Spurious @ 802.11n(HT40) Mode Ch 3



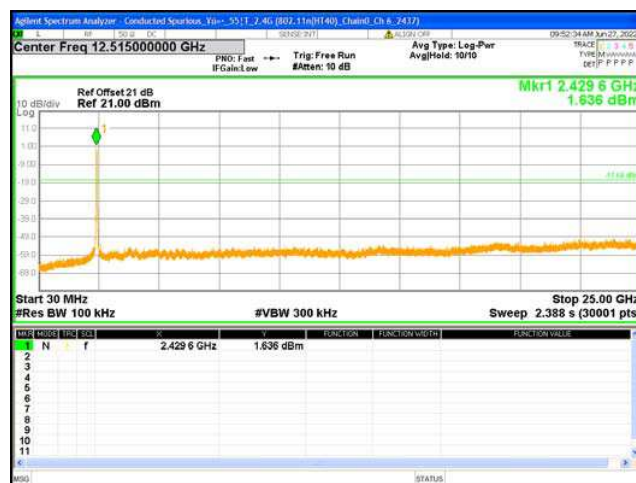
Chain0 : Conducted Spurious @ 802.11n(HT40) Mode Ch 6



Chain0 : Conducted Spurious @ 802.11n(HT40) Mode Ch 6



Chain0 : Conducted Spurious @ 802.11n(HT40) Mode Ch 6



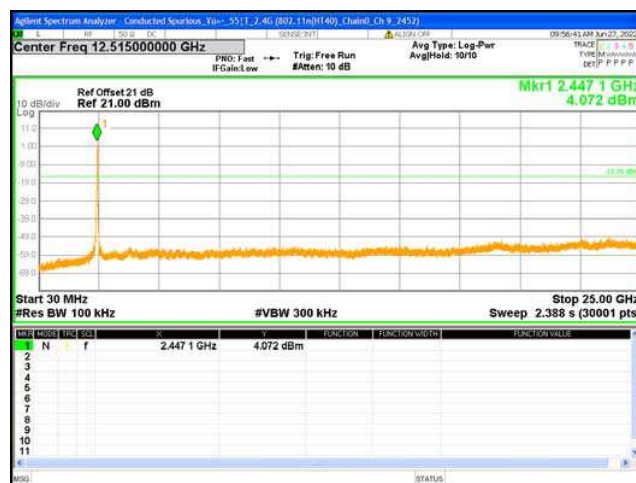
Chain0 : Conducted Spurious @ 802.11n(HT40) Mode Ch 9



Chain0 : Conducted Spurious @ 802.11n(HT40) Mode Ch 9



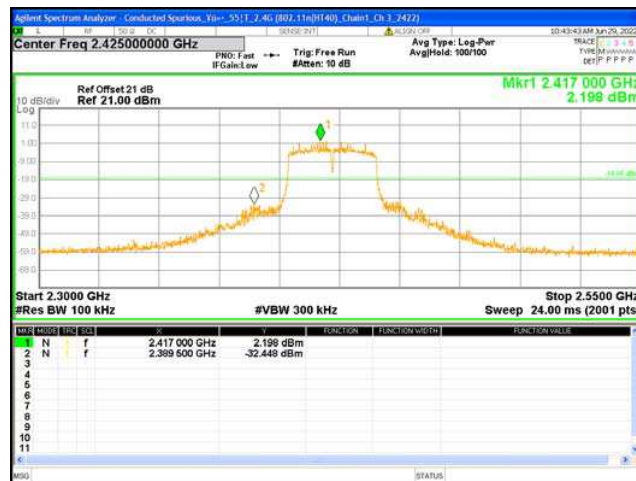
Chain0 : Conducted Spurious @ 802.11n(HT40) Mode Ch 9



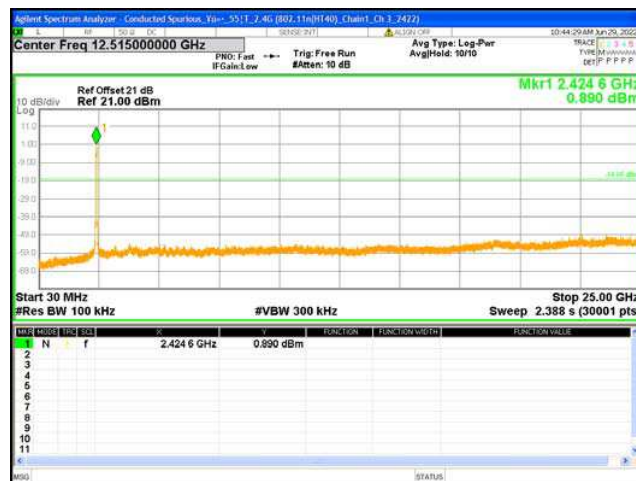
Chain1 : Conducted Spurious @ 802.11n(HT40) Mode Ch 3



Chain1 : Conducted Spurious @ 802.11n(HT40) Mode Ch 3



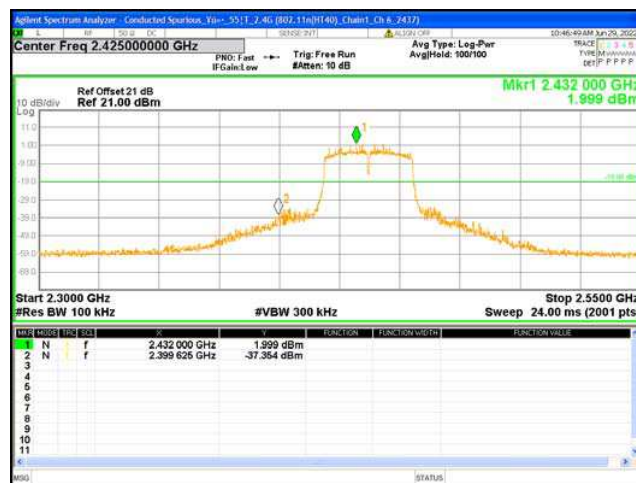
Chain1 : Conducted Spurious @ 802.11n(HT40) Mode Ch 3



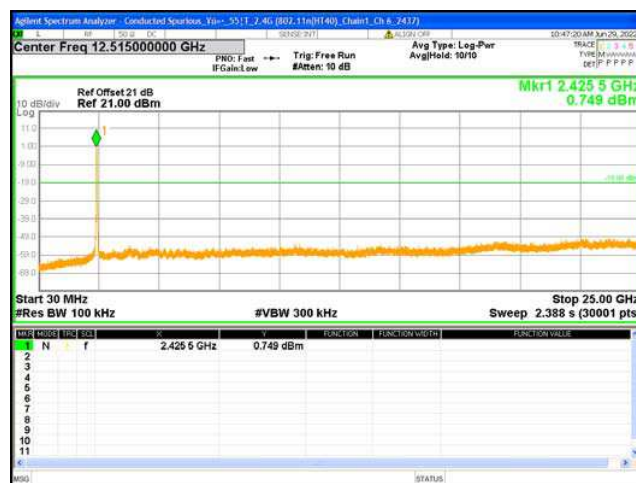
Chain1 : Conducted Spurious @ 802.11n(HT40) Mode Ch 6



Chain1 : Conducted Spurious @ 802.11n(HT40) Mode Ch 6



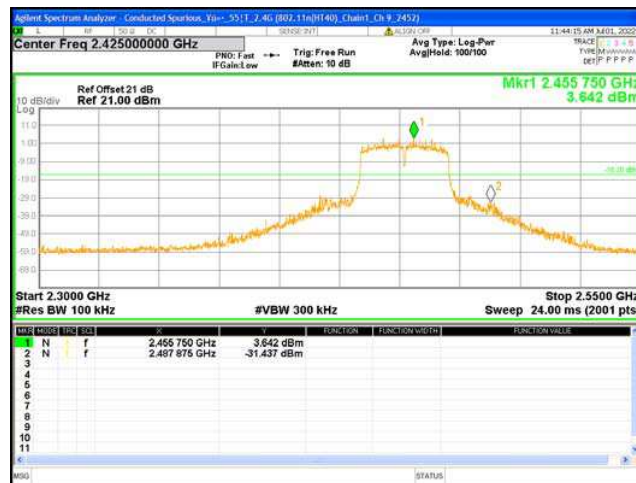
Chain1 : Conducted Spurious @ 802.11n(HT40) Mode Ch 6



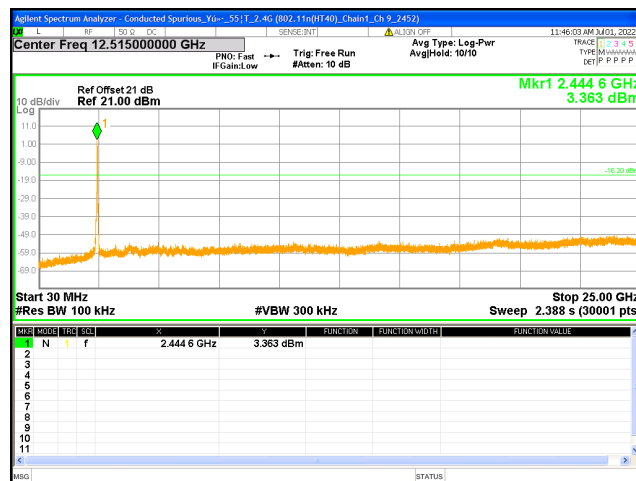
Chain1 : Conducted Spurious @ 802.11n(HT40) Mode Ch 9



Chain1 : Conducted Spurious @ 802.11n(HT40) Mode Ch 9



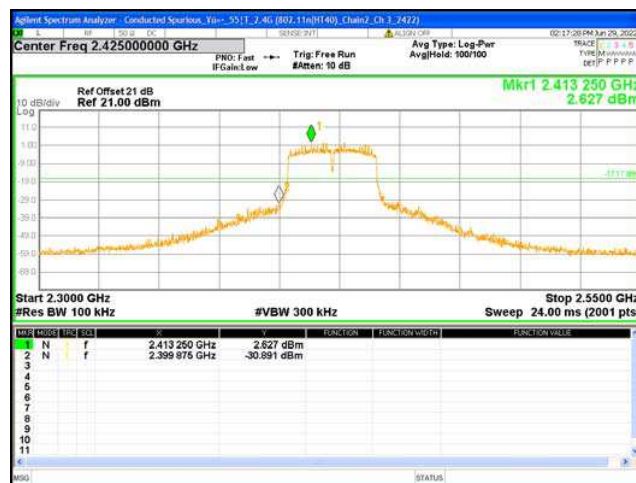
Chain1 : Conducted Spurious @ 802.11n(HT40) Mode Ch 9



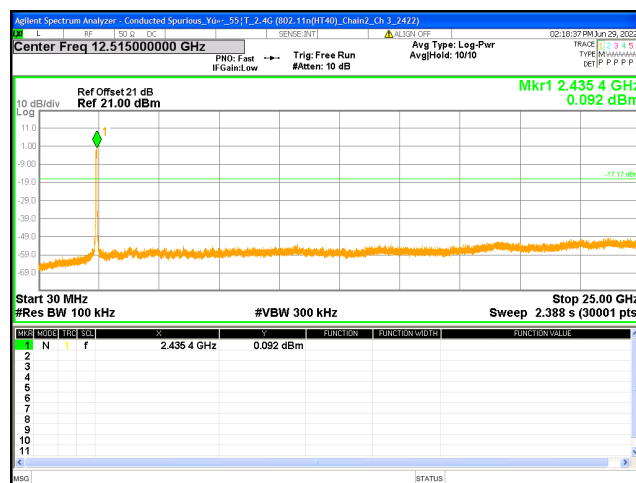
Chain2 : Conducted Spurious @ 802.11n(HT40) Mode Ch 3



Chain2 : Conducted Spurious @ 802.11n(HT40) Mode Ch 3



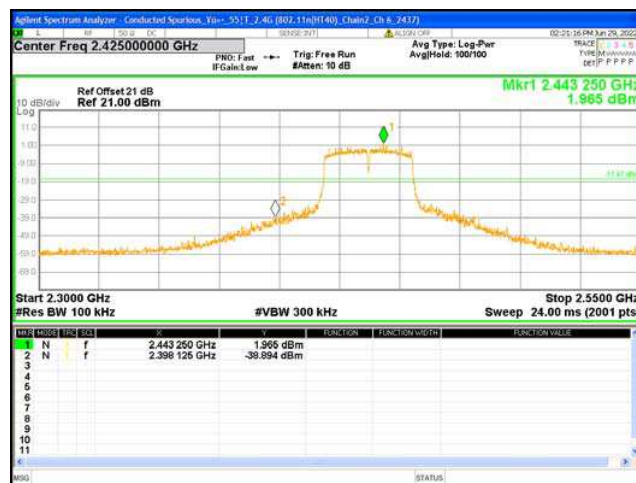
Chain2 : Conducted Spurious @ 802.11n(HT40) Mode Ch 3



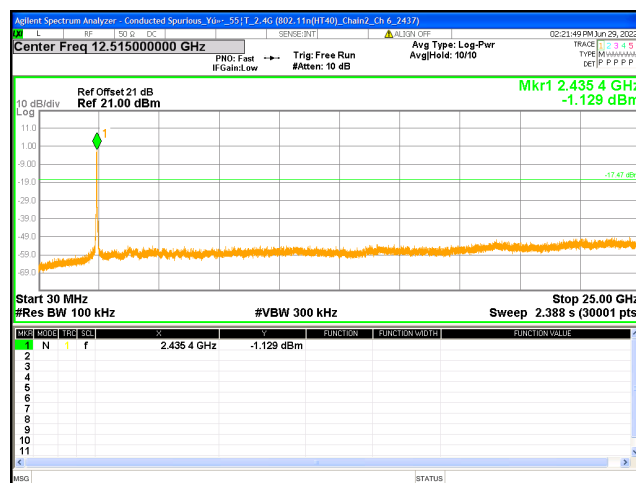
Chain2 : Conducted Spurious @ 802.11n(HT40) Mode Ch 6



Chain2 : Conducted Spurious @ 802.11n(HT40) Mode Ch 6



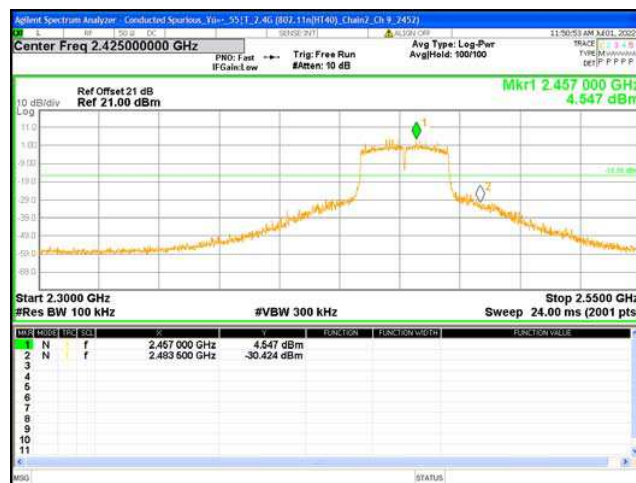
Chain2 : Conducted Spurious @ 802.11n(HT40) Mode Ch 6



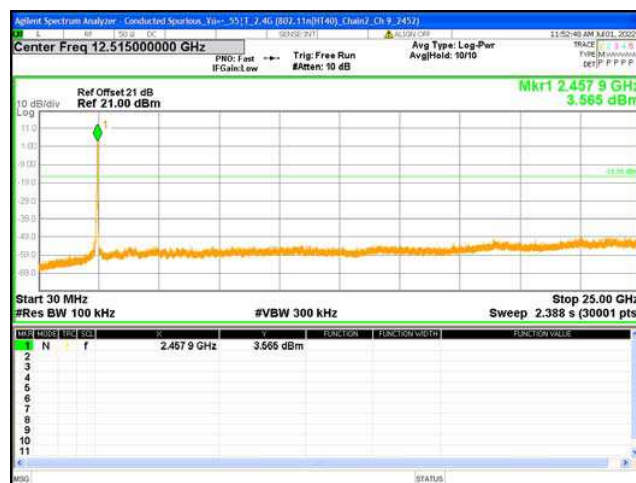
Chain2 : Conducted Spurious @ 802.11n(HT40) Mode Ch 9



Chain2 : Conducted Spurious @ 802.11n(HT40) Mode Ch 9



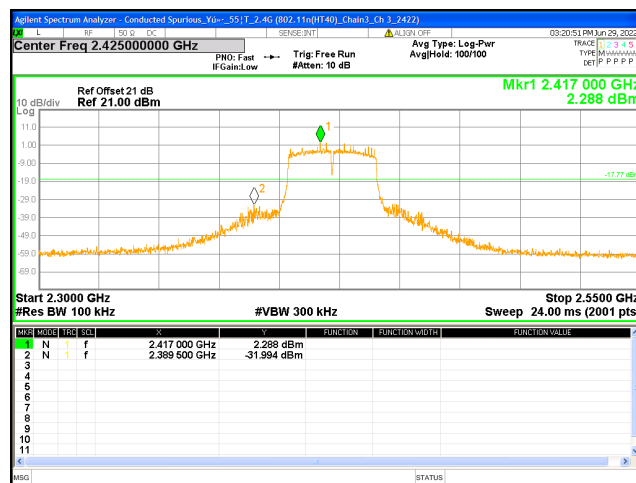
Chain2 : Conducted Spurious @ 802.11n(HT40) Mode Ch 9



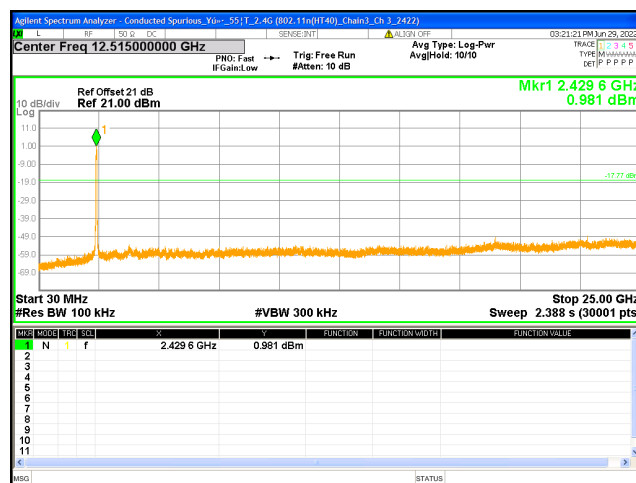
Chain3 : Conducted Spurious @ 802.11n(HT40) Mode Ch 3



Chain3 : Conducted Spurious @ 802.11n(HT40) Mode Ch 3



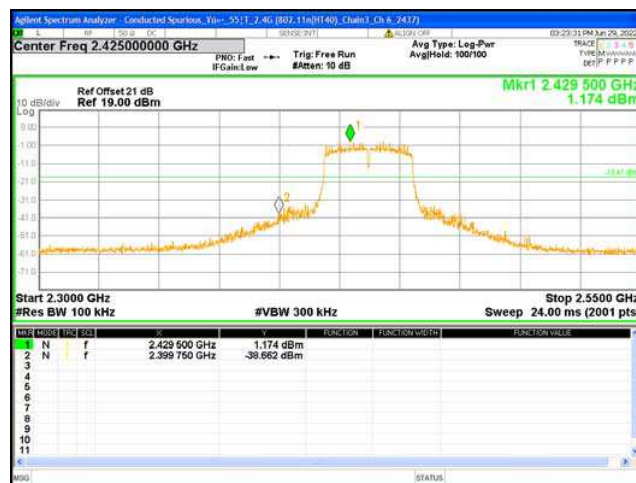
Chain3 : Conducted Spurious @ 802.11n(HT40) Mode Ch 3



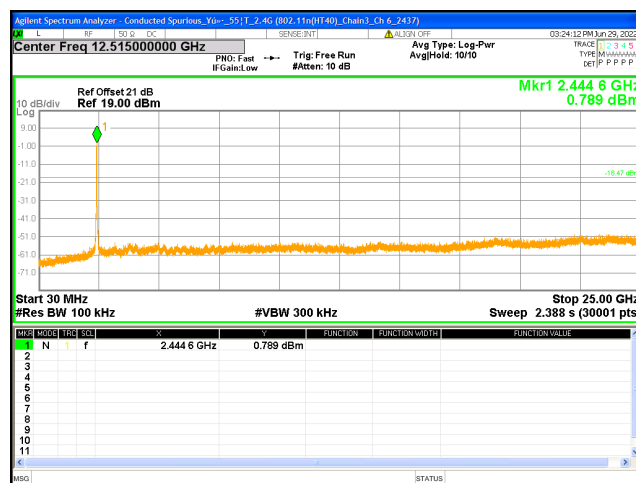
Chain3 : Conducted Spurious @ 802.11n(HT40) Mode Ch 6



Chain3 : Conducted Spurious @ 802.11n(HT40) Mode Ch 6



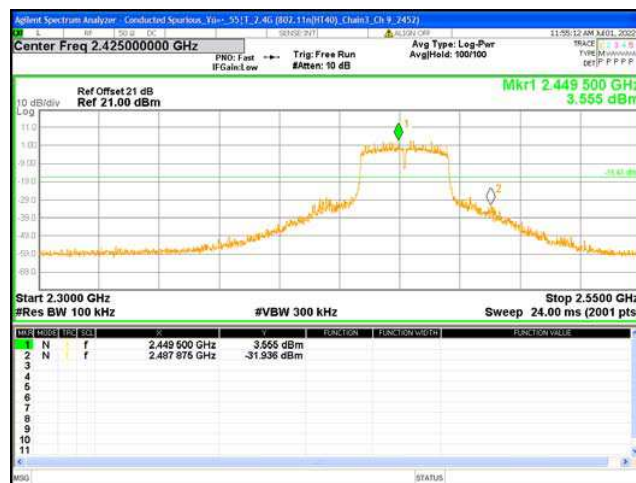
Chain3 : Conducted Spurious @ 802.11n(HT40) Mode Ch 6



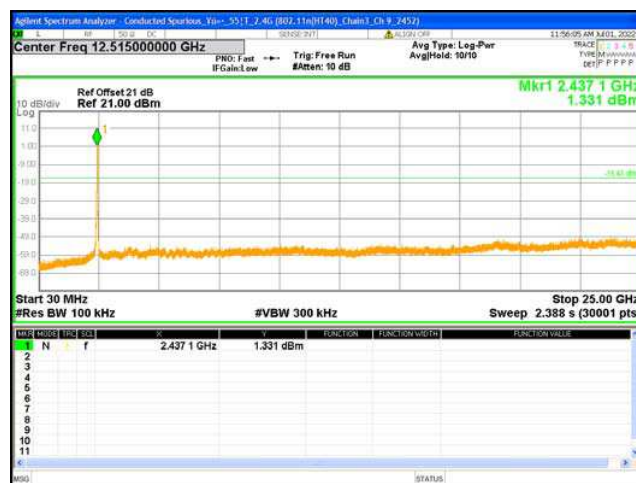
Chain3 : Conducted Spurious @ 802.11n(HT40) Mode Ch 9



Chain3 : Conducted Spurious @ 802.11n(HT40) Mode Ch 9



Chain3 : Conducted Spurious @ 802.11n(HT40) Mode Ch 9



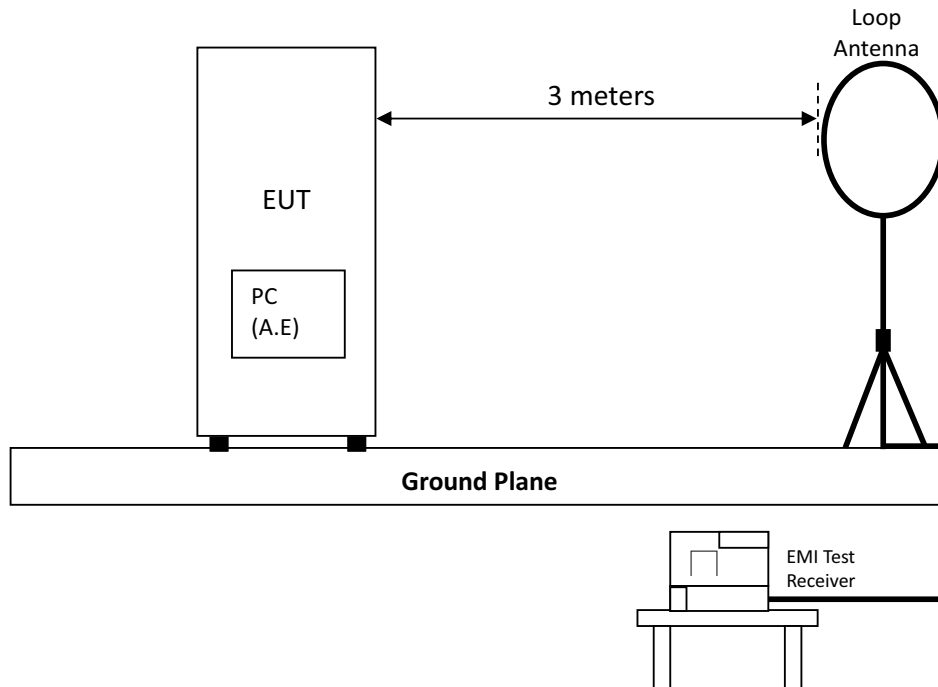
6. Emissions in Restricted Frequency Bands (Radiated emission measurements)

6.1 Instrument Setting

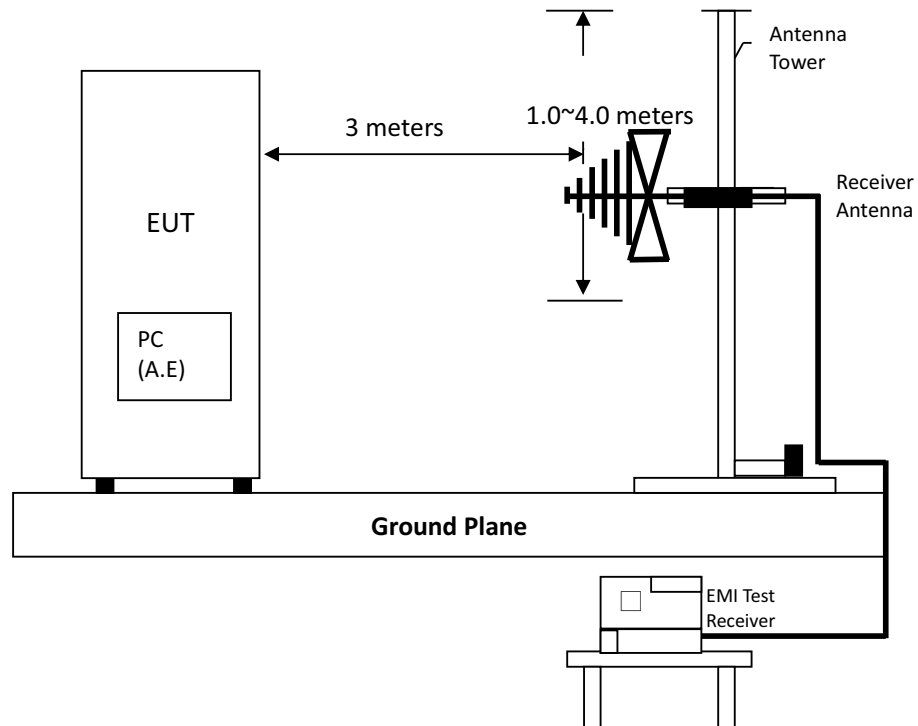
Receiver Function	Setting (Below 1GHz)	Setting (Above 1GHz)
Detector	QP	Peak and Average
RBW	9-150 kHz ; 200-300 Hz 0.15-30 MHz; 9-10 kHz 30-1000 MHz; 100-120 kHz	1MHz
VBW	$\geq 3 \times \text{RBW}$	3MHz & 1/T minimum kHz
Sweep	Auto couple	Auto couple
Start Frequency	9 kHz	1GHz
Stop Frequency	1 GHz	Tenth harmonic
Attenuation	Auto	Auto

6.2 Test setup & procedure

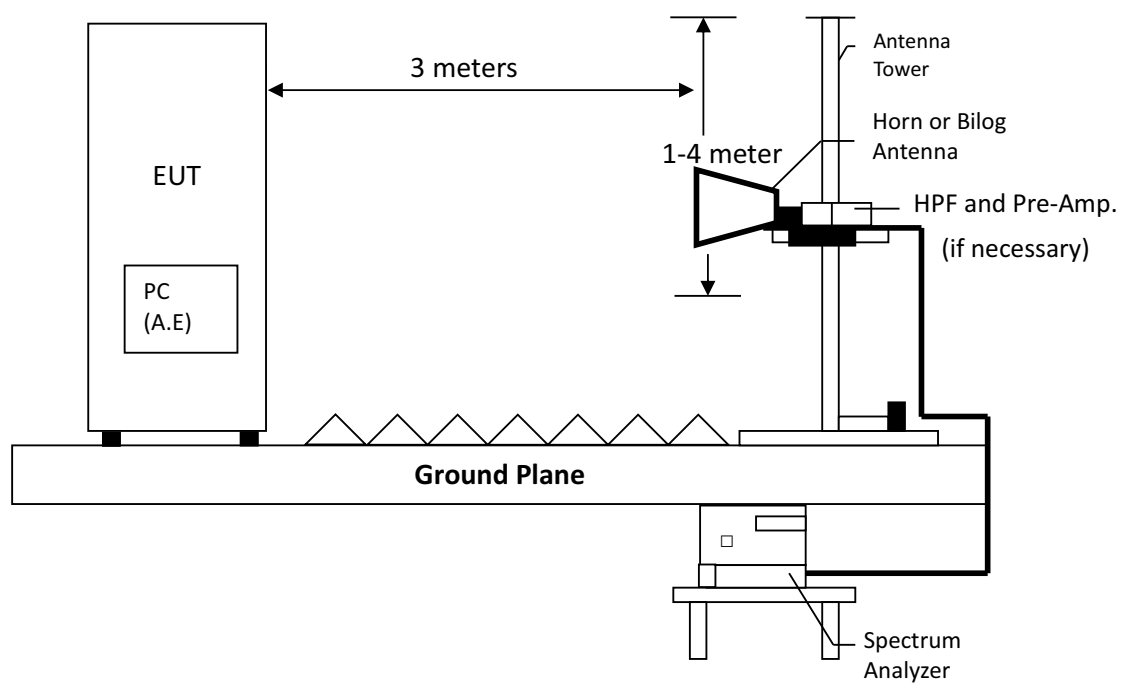
Radiated emission from 9kHz to 30MHz uses Loop Antenna:



Radiated emission below 1GHz using Bilog Antenna



Radiated emission above 1GHz using Horn Antenna



TEST REPORT

Radiated emissions were investigated cover the frequency range from 30MHz to 1000MHz using a receiver RBW of 120kHz record QP reading, and the frequency over 1GHz using a spectrum analyzer RBW of 1MHz and 1/T minimum kHz VBW record Average reading. (15.209 paragraph), the Peak reading (1 MHz RBW/ 3 MHz VBW) recorded also on the report.

The EUT for testing is arranged on a turntable. If some peripherals apply to the EUT, the peripherals will be connected to EUT and the whole system. During the test, all cables were arranged to produce worst-case emissions. The signal is maximized through rotation. The height of antenna and polarization is changing constantly for exploring for maximum signal level. The height of antenna can be up to 4 meters and down to 1 meter.

The measurement for radiated emission will be done at the distance of three meters unless the signal level is too low to measure at that distance. In the case of the reading under noise floor, a pre-amplifier is used and/or the test is conducted at a closer distance. And then all readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance.

6.3 Limit

Frequency(MHz)	Field Strength(uV/m)	Measurement distance(m)
0.009~0.490	$2400/F(\text{kHz})$	300
0.490~1.705	$24000/F(\text{kHz})$	30
1.705~30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark:

1. In the above table, the tighter limit applies at the band edges.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system

6.4 Test Result

6.4.1 Measurement results from 9kHz to 30MHz

Temperature (°C) :	27
Relative Humidity (%) :	56
Test date :	2022/06/18

The test was performed on EUT under continuously transmitting mode. The worst case occurred at 802.11b Chain0+1+2+3 Channel 11.

Antenna Polarity	Frequency (MHz)	Spectrum Analyzer Detector	Correction Factor (dB/m)	Reading (dBμV)	Corrected Reading (dBμV/m)	Limit @ 3 m (dBμV/m)	Margin (dB)
Perpendicular	0.069	AV	18.76	55.75	74.51	114.73	-40.22
Perpendicular	0.129	AV	18.04	51.30	69.34	105.56	-36.22
Perpendicular	0.249	AV	18.45	45.09	63.54	99.69	-36.15
Perpendicular	0.339	AV	18.66	43.14	61.80	97.02	-35.22
Perpendicular	0.549	QP	18.83	31.97	50.80	72.86	-22.06
Perpendicular	0.789	QP	18.98	30.45	49.43	69.68	-20.25

Antenna Polarity	Frequency (MHz)	Spectrum Analyzer Detector	Correction Factor (dB/m)	Reading (dBμV)	Corrected Reading (dBμV/m)	Limit @ 3 m (dBμV/m)	Margin (dB)
Parallel	0.069	AV	18.76	55.75	74.51	114.73	-40.22
Parallel	0.129	AV	18.04	51.30	69.34	105.56	-36.22
Parallel	0.189	AV	18.24	44.16	62.40	102.13	-39.73
Parallel	0.399	AV	18.71	42.63	61.34	95.59	-34.25
Parallel	0.579	QP	18.85	32.19	51.04	72.38	-21.34
Parallel	0.789	QP	18.98	30.45	49.43	69.68	-20.25

Antenna Polarity	Frequency (MHz)	Spectrum Analyzer Detector	Correction Factor (dB/m)	Reading (dB μ V)	Corrected Reading (dB μ V/m)	Limit @ 3 m (dB μ V/m)	Margin (dB)
Ground-parallel	0.099	QP	17.97	58.69	76.66	107.84	-31.18
Ground-parallel	0.249	AV	18.45	44.59	63.04	99.69	-36.65
Ground-parallel	0.339	AV	18.66	42.44	61.10	97.02	-35.92
Ground-parallel	0.489	AV	18.79	36.89	55.68	93.82	-38.14
Ground-parallel	0.729	QP	18.94	28.86	47.80	70.43	-22.63
Ground-parallel	0.879	QP	19.03	24.88	43.91	68.78	-24.87

6.4.2 Measurement results from 30 MHz to 1 GHz

Temperature (°C) :	24
Relative Humidity (%) :	60
Test date :	2022/06/16

The test was performed on EUT under continuously transmitting mode. The worst case occurred at 802.11b Chain0+1+2+3 Channel 11.

Antenna Polarity	Frequency (MHz)	Spectrum Analyzer Detector	Correction Factor (dB/m)	Reading (dBμV)	Corrected Reading (dBμV/m)	Limit @ 3 m (dBμV/m)	Margin (dB)
Horizontal	74.62	QP	17.42	21.20	38.62	40.00	-1.38
Horizontal	150.28	QP	20.48	20.20	40.68	43.50	-2.82
Horizontal	224.97	QP	17.82	27.00	44.82	46.00	-1.18
Horizontal	300.63	QP	21.56	17.63	39.19	46.00	-6.81
Horizontal	376.29	QP	23.76	15.96	39.72	46.00	-6.28
Horizontal	450.98	QP	25.87	13.55	39.42	46.00	-6.58

Antenna Polarity	Frequency (MHz)	Spectrum Analyzer Detector	Correction Factor (dB/m)	Reading (dBμV)	Corrected Reading (dBμV/m)	Limit @ 3 m (dBμV/m)	Margin (dB)
Vertical	74.62	QP	17.42	18.20	35.62	40.00	-4.38
Vertical	150.28	QP	20.48	21.42	41.90	43.50	-1.60
Vertical	224.97	QP	17.82	19.85	37.67	46.00	-8.33
Vertical	376.29	QP	23.76	16.03	39.79	46.00	-6.21
Vertical	602.30	QP	28.96	13.66	42.62	46.00	-3.38
Vertical	676.99	QP	29.89	14.92	44.81	46.00	-1.19

Remark: Corr. Factor = Antenna Factor + Cable Loss

TEST REPORT

6.4.3 Measurement results from 1 GHz to 25 GHz

Temperature (°C) :	24
Relative Humidity (%) :	60
Test date :	2022/06/16

Mode	Frequency (MHz)	Spectrum Analyzer Detector	Ant. Pol. (H/V)	Correction Factor (dB/m)	Reading (dBμV)	Corrected Reading (dBμV/m)	Limit @ 3 m (dBμV/m)	Margin (dB)
802.11b_Ch1 Chain0+1+2+3	4824	PK	H	-6.47	43.81	37.34	74	-36.66
	4824	PK	V	-6.47	50.82	44.35	74	-29.65
802.11b_Ch6 Chain0+1+2+3	4874	PK	H	-6.15	45.64	39.49	74	-34.51
	4874	PK	V	-6.15	45.91	39.76	74	-34.24
802.11b_Ch11 Chain0+1+2+3	4924	PK	H	-6.02	44.37	38.35	74	-35.65
	4924	PK	V	-6.02	49.54	43.52	74	-30.48
802.11g_Ch1 Chain0+1+2+3	4824	PK	H	-6.47	46.03	39.56	74	-34.44
	4824	PK	V	-6.47	46.08	39.61	74	-34.39
802.11g_Ch6 Chain0+1+2+3	4874	PK	H	-6.15	45.99	39.84	74	-34.16
	4874	PK	V	-6.15	46.38	40.23	74	-33.77
802.11g_Ch11 Chain0+1+2+3	4924	PK	H	-6.02	42.33	36.31	74	-37.69
	4924	PK	V	-6.02	43.51	37.49	74	-36.51
802.11n(HT20)_Ch1 Chain0+1+2+3	4824	PK	H	-6.47	43.28	36.81	74	-37.19
	4824	PK	V	-6.47	44.21	37.74	74	-36.26
802.11n(HT20)_Ch6 Chain0+1+2+3	4874	PK	H	-6.15	43.03	36.88	74	-37.12
	4874	PK	V	-6.15	43.38	37.23	74	-36.77
802.11n(HT20)_Ch11 Chain0+1+2+3	4924	PK	H	-6.02	41.84	35.82	74	-38.18
	4924	PK	V	-6.02	43.49	37.47	74	-36.53
802.11n(HT40)_Ch3 Chain0+1+2+3	4844	PK	H	-6.34	46.02	39.68	74	-34.32
	4844	PK	V	-6.34	46.86	40.52	74	-33.48
802.11n(HT40)_Ch6 Chain0+1+2+3	4874	PK	H	-6.15	46.15	40.00	74	-34.00
	4874	PK	V	-6.15	47.41	41.26	74	-32.74
802.11n(HT40)_Ch9 Chain0+1+2+3	4904	PK	H	-5.99	44.00	38.01	74	-35.99
	4904	PK	V	-5.99	45.14	39.15	74	-34.85

Remark: Correction Factor = Antenna Factor + Cable Loss + High Pass Filter Loss - Pre_Amplifier Gain

7. Emission on Band Edge

7.1 Instrument Setting

Spectrum Function	Setting
Detector	Peak and Average
RBW	1MHz
VBW	3MHz & 1/T minimum kHz
Sweep	Auto couple
Restrict bands	2310 MHz ~ 2390 MHz 2483.5 MHz ~ 2500 MHz
Attenuation	Auto

7.2 Test Procedure

The test procedure is the same as Emissions in Restricted Frequency Bands (Radiated emission measurements).

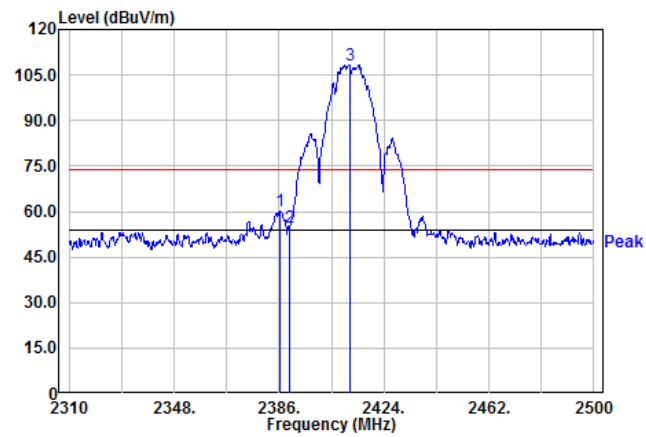
7.3 Test Results

Temperature (°C) :	23
Relative Humidity (%) :	60
Test date :	2022/06/14

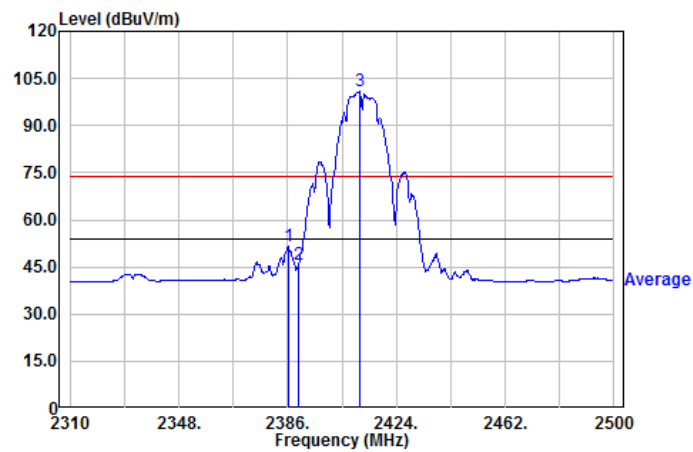
Mode	Frequency (MHz)	Spectrum Analyzer Detector	Ant. Pol. (H/V)	Correction Factor (dB/m)	Reading (dBμV)	Corrected Reading (dBμV/m)	Limit @ 3 m (dBμV/m)	Margin (dB)	Restricted band (MHz)
802.11b Chain0+1+2+3	2386.38	PK	V	34.27	26.01	60.28	74	-13.72	2310~2390
	2386.19	AV	V	34.27	17.32	51.59	54	-2.41	
	2487.08	PK	V	34.61	25.66	60.27	74	-13.73	2483.5~2500
	2487.84	AV	V	34.62	18.22	52.84	54	-1.16	
802.11g Chain0+1+2+3	2387.52	PK	V	34.26	30.32	64.58	74	-9.42	2310~2390
	2390.00	AV	V	34.25	18.48	52.73	54	-1.27	
	2484.42	PK	V	34.59	28.47	63.06	74	-10.94	2483.5~2500
	2483.50	AV	V	34.58	18.00	52.58	54	-1.42	
802.11n (HT20) Chain0+1+2+3	2388.47	PK	V	34.26	27.60	61.86	74	-12.14	2310~2390
	2390.00	AV	V	34.25	18.48	52.73	54	-1.27	
	2484.23	PK	V	34.59	30.26	64.85	74	-9.15	2483.5~2500
	2483.50	AV	V	34.58	18.42	53.00	54	-1.00	
802.11n (HT40) Chain0+1+2+3	2385.62	PK	V	34.28	30.34	64.62	74	-9.38	2310~2390
	2390.00	AV	V	34.25	18.39	52.64	54	-1.36	
	2485.94	PK	V	34.60	30.70	65.30	74	-8.70	2483.5~2500
	2483.50	AV	V	34.58	18.41	52.99	54	-1.01	

Remark: Correction Factor = Antenna Factor + Cable Loss

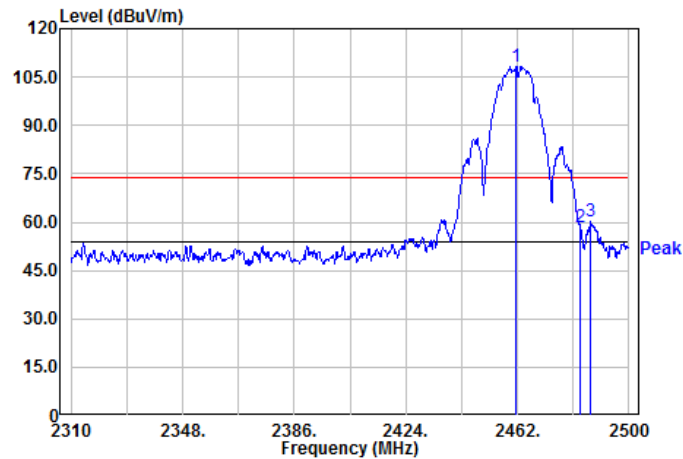
Chain0+1+2+3 : Restricted Band Bandedge @ 802.11b Mode Ch1 PK



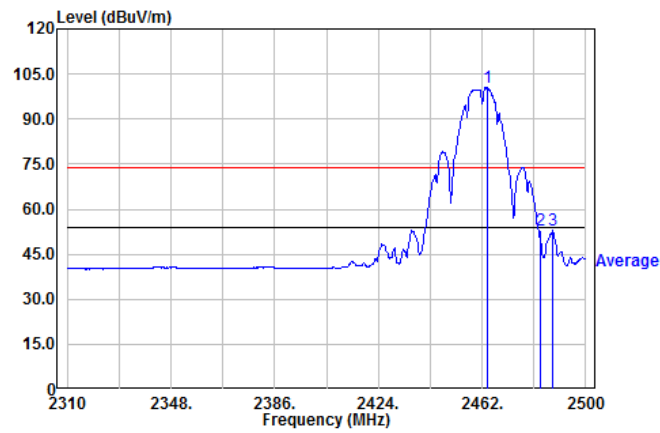
Chain0+1+2+3: Restricted Band Bandedge @ 802.11b Mode Ch1 AV



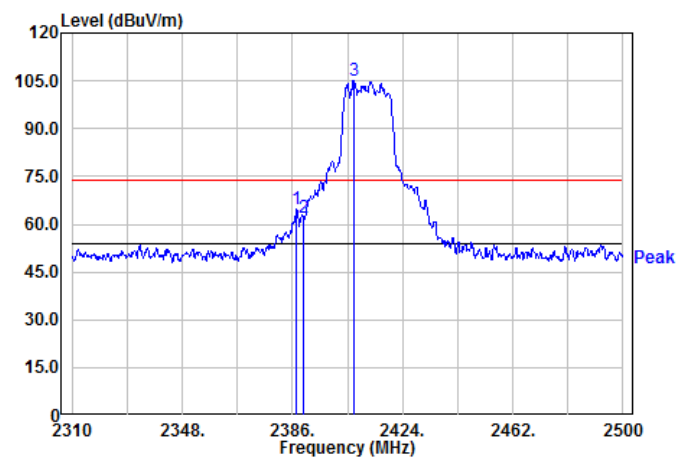
Chain0+1+2+3: Restricted Band Bandedge @ 802.11b Mode Ch11 PK



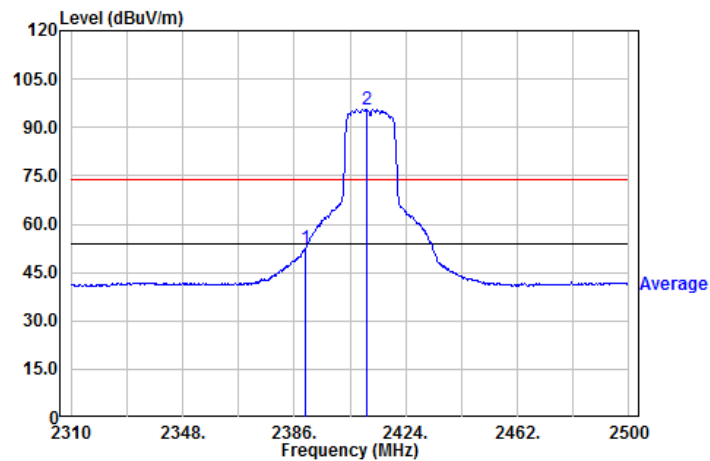
Chain0+1+2+3 : Restricted Band Bandedge @ 802.11b Mode Ch11 AV



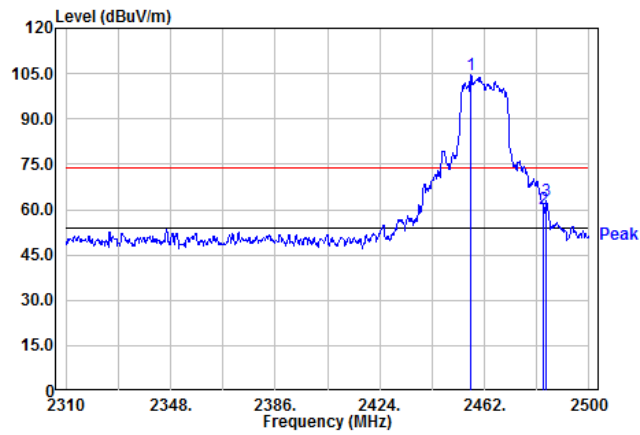
Chain0+1+2+3 : Restricted Band Bandedge @ 802.11g Mode Ch1 PK



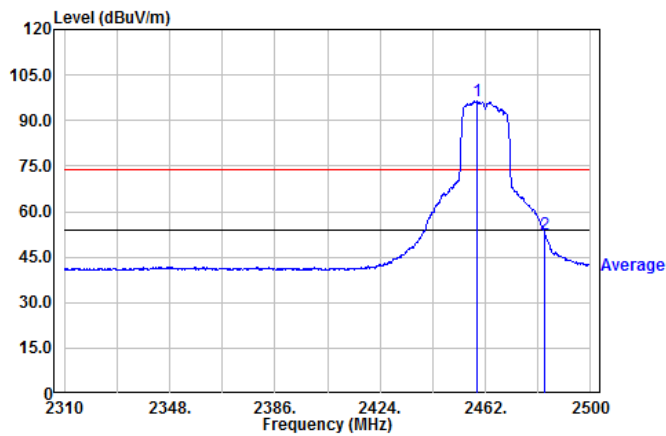
Chain0+1+2+3 : Restricted Band Bandedge @ 802.11g Mode Ch1 AV



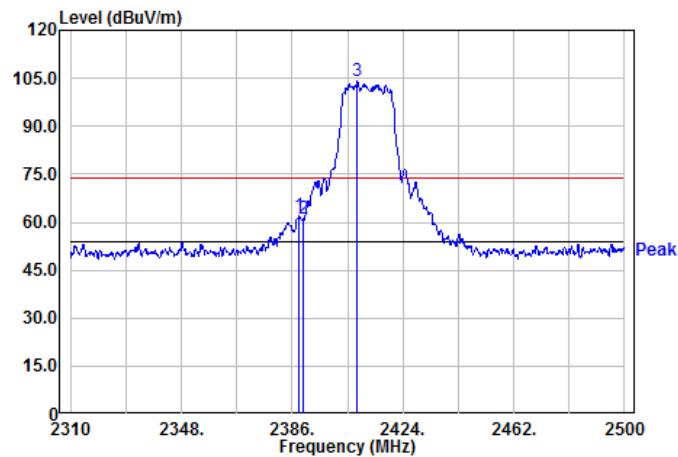
Chain0+1+2+3 : Restricted Band Bandedge @ 802.11g Mode Ch11 PK



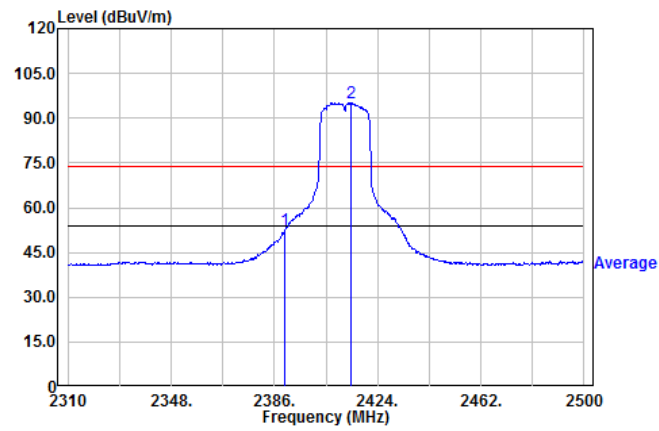
Chain0+1+2+3 : Restricted Band Bandedge @ 802.11g Mode Ch11 AV



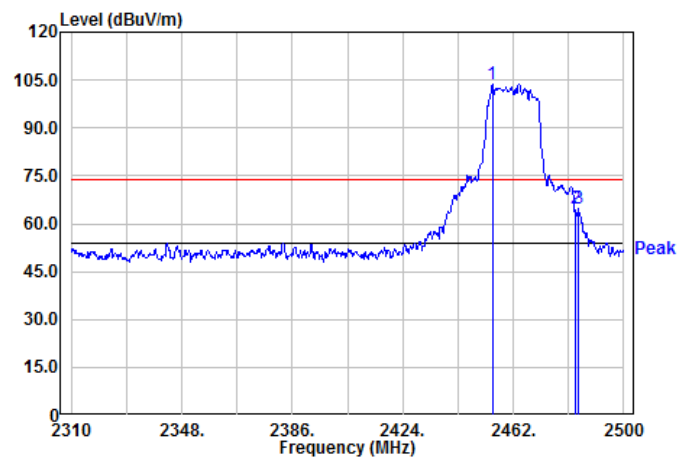
Chain0+1+2+3 : Restricted Band Bandedge @ 802.11n(HT20) Mode Ch1 PK



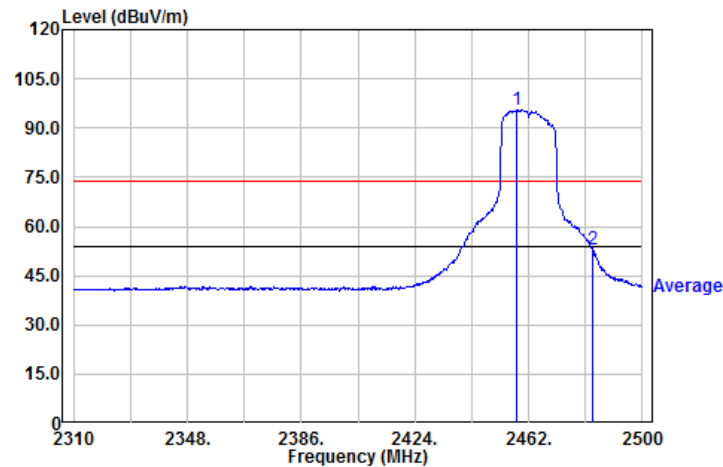
Chain0+1+2+3 : Restricted Band Bandedge @ 802.11n(HT20) Mode Ch1 AV



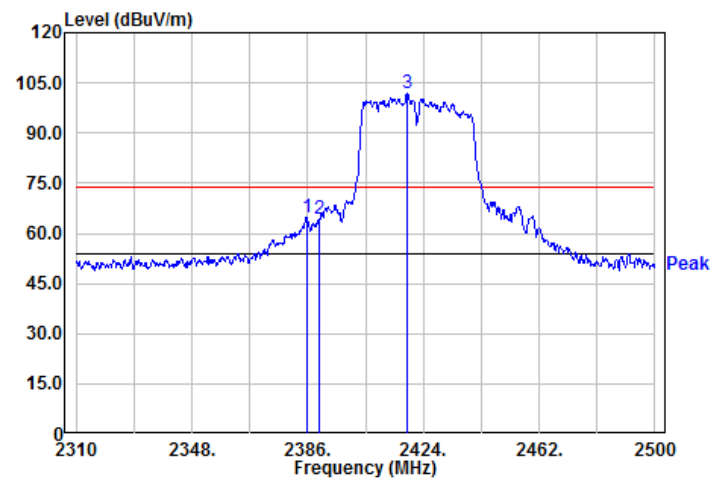
Chain0+1+2+3 : Restricted Band Bandedge @ 802.11n(HT20) Mode Ch11 PK



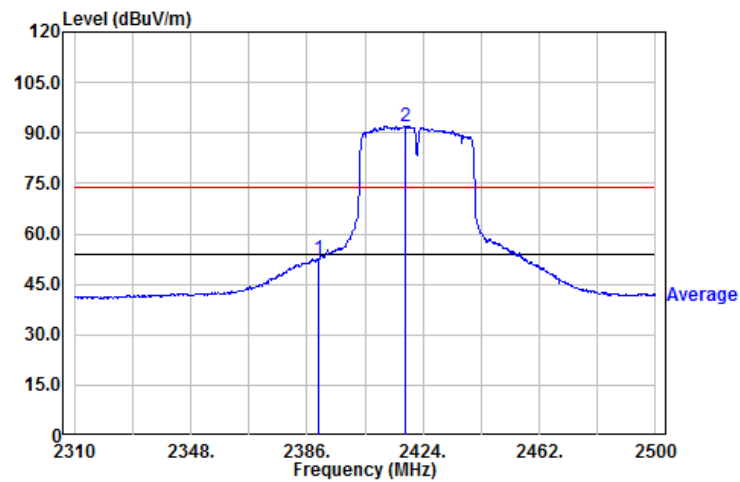
Chain0+1+2+3 : Restricted Band Bandedge @ 802.11n(HT20) Mode Ch11 AV



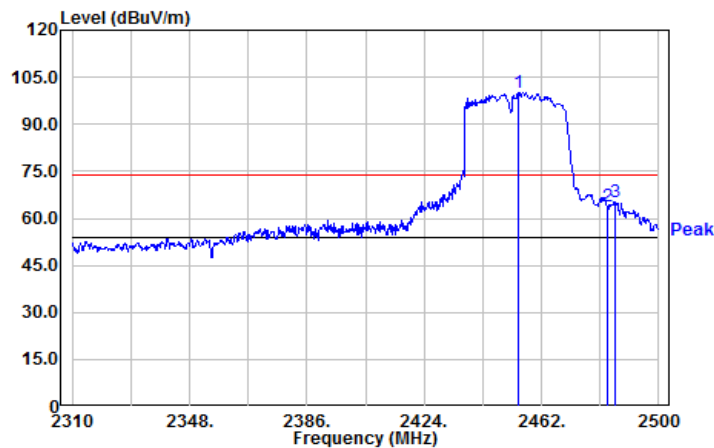
Chain0+1+2+3 : Restricted Band Bandedge @ 802.11n(HT40) Mode Ch3 PK



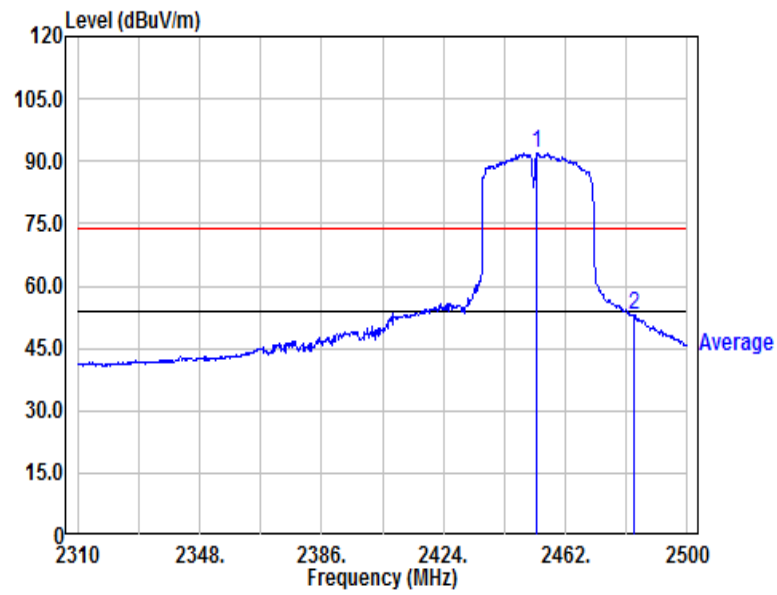
Chain0+1+2+3 : Restricted Band Bandedge @ 802.11n(HT40) Mode Ch3 AV



Chain0+1+2+3 : Restricted Band Bandedge @ 802.11n(HT40) Mode Ch9 PK



Chain0+1+2+3 : Restricted Band Bandedge @ 802.11n(HT40) Mode Ch9 AV



8. AC Power Line Conducted Emission

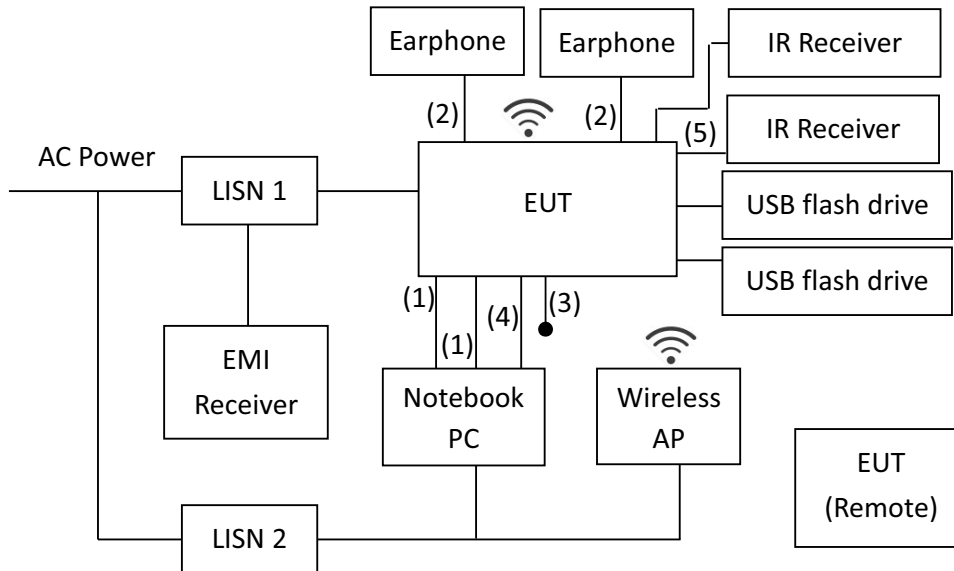
8.1 Measuring instrument setting

Receiver Function	Setting
Detector	QP
Start frequency	0.15MHz
Stop frequency	30MHz
IF bandwidth	9 kHz
Attenuation	10dB

8.2 Test Procedure

Step 1	Configure the EUT according to ANSI C63.10:2013. The EUT or host of EHT has to be placed 0.4 meter far from the conducting wall of the shielding room and at least 80 centimeters from any other grounded conducting surface.
Step 2	Connect EUT or host of EUT to the power mains through a line impedance stabilization network.
Step 3	All the companion devices are connected to the other LISN. The LISN should provide 50U _h /50ohms coupling impedance.
Step 4	The frequency range from 150 kHz to 30MHz was searched.
Step 5	Set the test-receiver system to peak detector and specified bandwidth with maximum hold mode.
Step 6	The measurement has to be done between each power line and ground at the power terminal.

8.3 Test Diagram



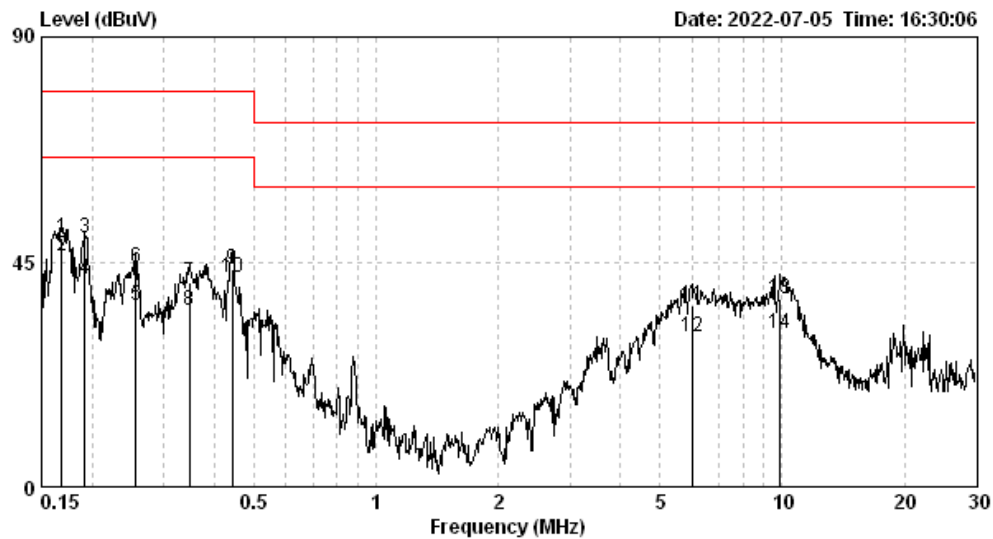
- (1) Shielded HDMI cable 1.5m
- (2) Unshielded audio 3.5mm cable 2m
- (3) RS-232 cable 1.5m
- (4) RJ45 UTP CAT.5 cable 2m
- (5) IR cable 2m

8.4 Limit

Frequency (MHz)	Conducted Limit (dBuV)	
	Q.P.	Ave.
0.15~0.50	66 – 56	56 – 46
0.50~5.00	56	46
5.00~30.0	60	50

8.5 Test Results

Model No.:	FBP206
Host :	65512

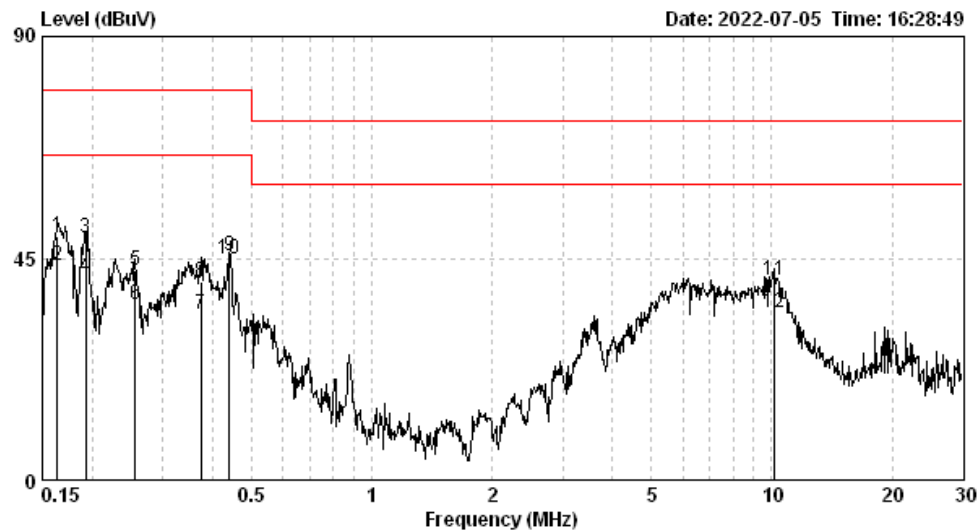


Test voltage : 120Vac / 60Hz
Temp. / R.H. : 23°C / 56%RH
Atmospheric pressure : 1008 hPa

Phase	Frequency (MHz)	Corr. Factor (dB)	Reading QP (dBuV)	Level QP (dBuV)	Limit QP (dBuV)	Reading AV (dBuV)	Level AV (dBuV)	Limit AV (dBuV)	Margin (dB)	
									QP	AV
LINE	0.169	0.10	49.69	49.79	79.00	46.20	46.31	66.00	-29.21	-19.69
LINE	0.191	0.10	49.54	49.64	79.00	41.35	41.45	66.00	-29.36	-24.55
LINE	0.256	0.11	43.61	43.73	79.00	36.32	36.43	66.00	-35.27	-29.57
LINE	0.346	0.12	40.82	40.95	79.00	35.04	35.16	66.00	-38.05	-30.84
LINE	0.442	0.14	43.41	43.55	79.00	41.80	41.94	66.00	-35.45	-24.06
LINE	5.993	0.34	35.96	36.30	73.00	29.61	29.96	60.00	-36.70	-30.04
LINE	9.913	0.51	37.06	37.58	73.00	30.31	30.82	60.00	-35.42	-29.18

Remark:

1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBuV) = Corr. Factor (dB) + Reading (dBuV)
3. Margin (dB) = Level (dBuV) – Limit (dBuV)



Test voltage :120Vac / 60Hz
 Temp. / R.H. :23°C / 56%RH
 Atmospheric pressure :1008 hPa

Phase	Frequency (MHz)	Corr. Factor (dB)	Reading QP (dBuV)	Level QP (dBuV)	Limit QP (dBuV)	Reading AV (dBuV)	Level AV (dBuV)	Limit AV (dBuV)	Margin (dB)	
									QP	AV
NEUTRAL	0.163	0.10	49.42	49.52	79.00	43.48	43.57	66.00	-29.48	-22.43
NEUTRAL	0.192	0.09	49.08	49.17	79.00	41.12	41.21	66.00	-29.83	-24.79
NEUTRAL	0.256	0.10	42.59	42.69	79.00	35.51	35.61	66.00	-36.31	-30.39
NEUTRAL	0.373	0.12	40.01	40.13	79.00	33.52	33.64	66.00	-38.87	-32.36
NEUTRAL	0.440	0.13	45.39	45.52	79.00	44.63	44.76	66.00	-33.48	-21.24
NEUTRAL	10.125	0.42	40.14	40.57	73.00	33.57	34.00	60.00	-32.43	-26.00

Remark:

1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Level (dBuV) = Corr. Factor (dB) + Reading (dBuV)
3. Margin (dB) = Level (dBuV) – Limit (dBuV)

Appendix A: Test equipment list

Test Equipment/ Test site	Brand	Model No.	Serial No.	Calibration Date	Next Calibration Date
EMI Test Receiver	Rohde & Schwarz	ESR7	101822	2021/08/16	2022/08/15
Signal Analyzer	Agilent	N9030A	MY51380492	2021/08/17	2022/08/16
Active Loop Antenna	SCHWARZBECK MESS-ELEKTRONIK C	FMZB1519	1519-067	2022/04/13	2023/04/12
Broadband Antenna	SHWARZBECK	VULB 9168	9168-172	2022/01/20	2023/01/19
Horn Antenna	EMCO	BBHA 9120 D	9120D-456	2022/01/21	2023/01/20
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170159	2021/04/08	2024/04/07
Broadband Amplifier	SGH	SGH118(45dB)	20220105-1	2022/01/07	2023/01/06
Pre-amplifier	SGH	SGH184	20201124-1	2021/12/06	2022/12/05
Power Meter	Anritsu	ML2495A	0844001	2021/10/17	2022/10/16
Power Sensor	Anritsu	MA2491A	031543	2022/03/07	2023/03/06
966-2(A) Cable	SUHNER	SMA / EX 100	N/A	2022/03/04	2023/03/03
966-2(B) Cable	SUHNER	SUCOFLEX 104P	CB0005	2022/03/04	2023/03/03
966-2 Cable	SUHNER	SUCOFLEX 104P	9403/4P	2021/11/30	2022/11/29
966-2_3m Semi-Anechoic Chamber	966_2	CEM-966_2	N/A	2022/01/14	2023/01/13
Hight Pass Filter	Reactel	7HS-3G/18G-S11	N/A	2022/05/25	2023/05/24
20dB Attenuator	Mini-Circuits	BW-S20W5+	N/A	2022/05/25	2023/05/24
Test software	Audix	e3	V9	NCR	NCR

Note: No Calibration Required (NCR).

Test Equipment	Brand	Model No.	Serial No.	Calibration Date	Next Calibration Date
EMI Test Receiver	R&S	ESR7	101232	2022/02/07	2023/02/06
LISN	R&S	ESH3-Z5	835239/023	2021/09/22	2022/09/21
LISN	R&S	ESH3-Z5	838979/014	2021/09/22	2022/09/21
Cable	SUHNER	SUCOFLEX 106	27221 /6	2022/01/10	2023/01/09
Test software	Audix	e3	V4.20040112L	NCR	NCR

Note: No Calibration Required (NCR).

Appendix B: Measurement Uncertainty

This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of k=2.

Item	Uncertainty
Vertically polarized radiated disturbances from 30MHz~1GHz in a semi-anechoic chamber at a distance of 3m	5.16 dB
Horizontally polarized radiated disturbances from 30MHz~1GHz in a semi-anechoic chamber at a distance of 3m	5.02 dB
Radiated disturbances from 1GHz~18GHz in a semi-anechoic chamber at a distance of 3m	5.17 dB
Vertically polarized Radiated disturbances from 18GHz~26.5GHz in a semi-anechoic chamber at a distance of 1m	2.39 dB
Horizontally polarized Radiated disturbances from 18GHz~26.5GHz in a semi-anechoic chamber at a distance of 1m	2.39 dB
Radiated disturbances from 9kHz~30MHz in a semi-anechoic chamber at a distance of 3m	3.70 dB
Emission on the Band Edge Test	4.32 dB
Occupied Bandwidth	7.78 %
Maximum Peak Conducted Output Power	0.44 dB
Power Spectral Density	1.27 dB
Emissions In Non-Restricted Frequency Bands	1.27 dB
AC Power Line Conducted Emission	3.08 dB