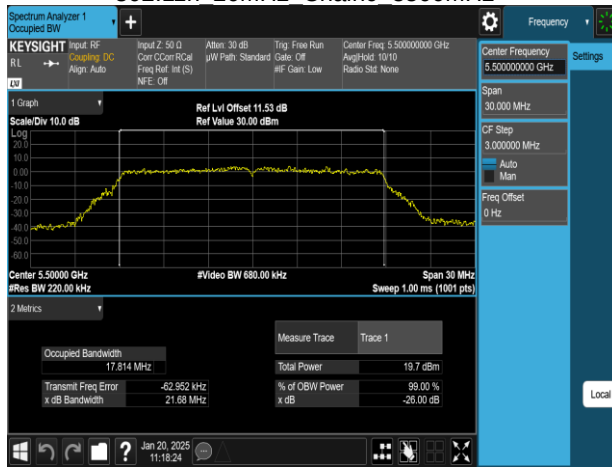
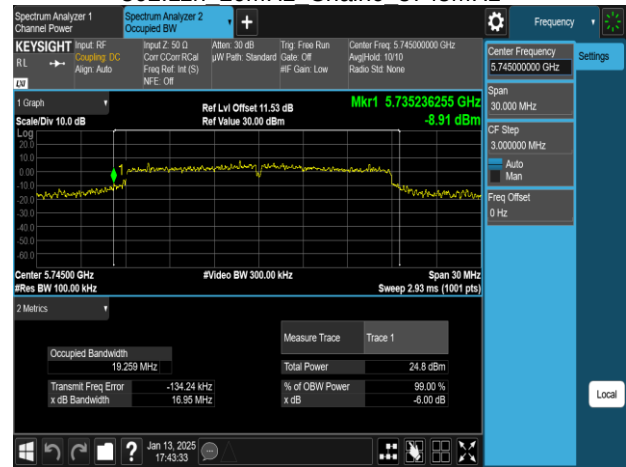


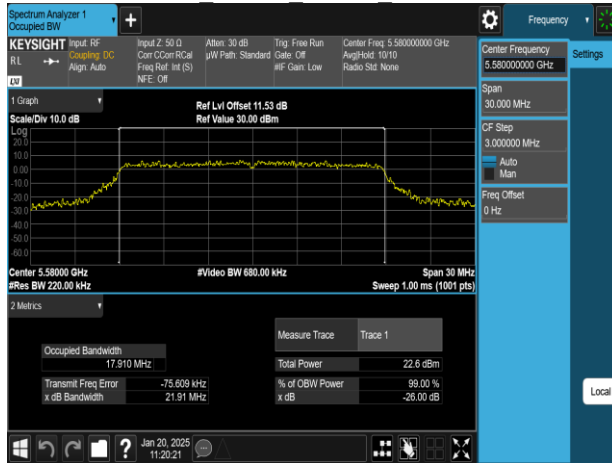
802.11n 20MHz Chain0 5500MHz



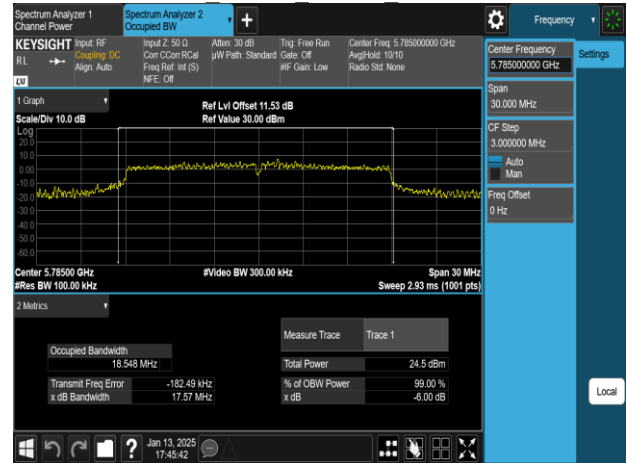
802.11n 20MHz Chain0 5745MHz



802.11n 20MHz Chain0 5580MHz



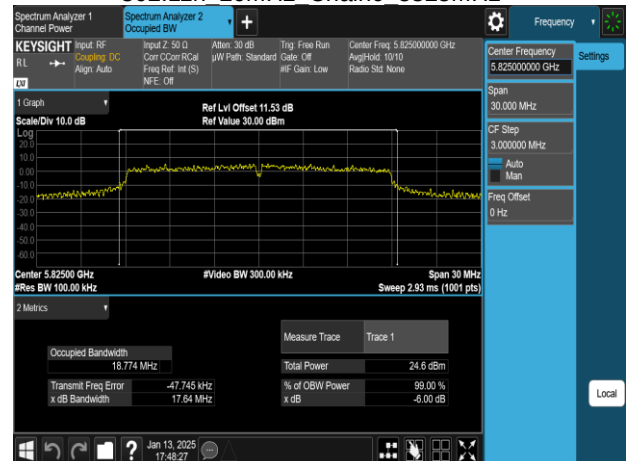
802.11n 20MHz Chain0 5785MHz



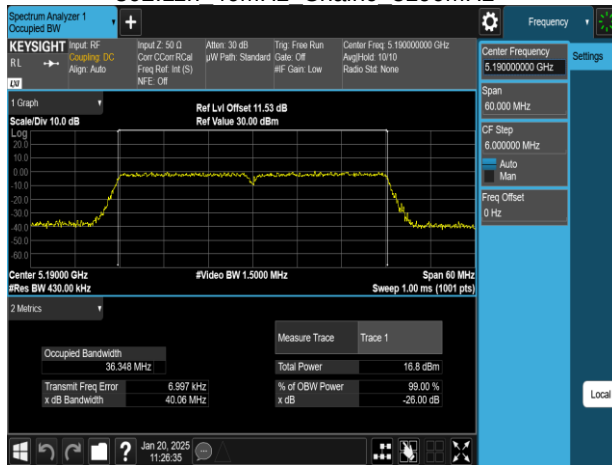
802.11n 20MHz Chain0 5700MHz



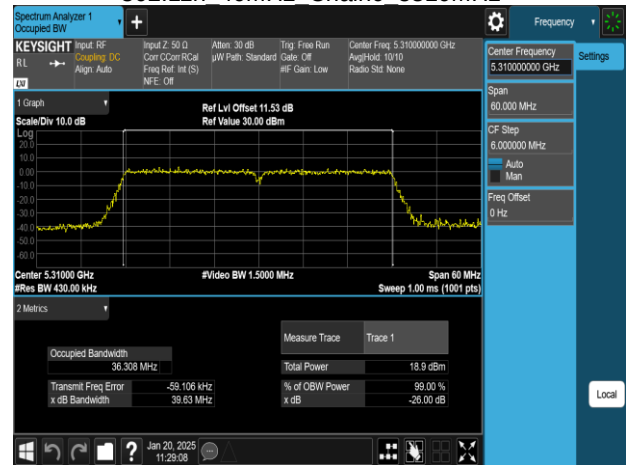
802.11n 20MHz Chain0 5825MHz



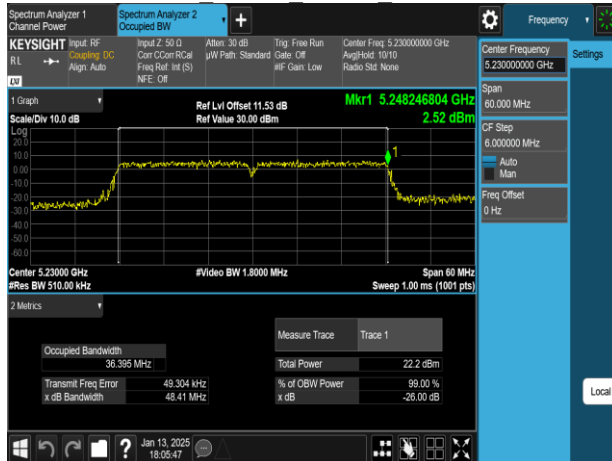
802.11n 40MHz Chain0 5190MHz



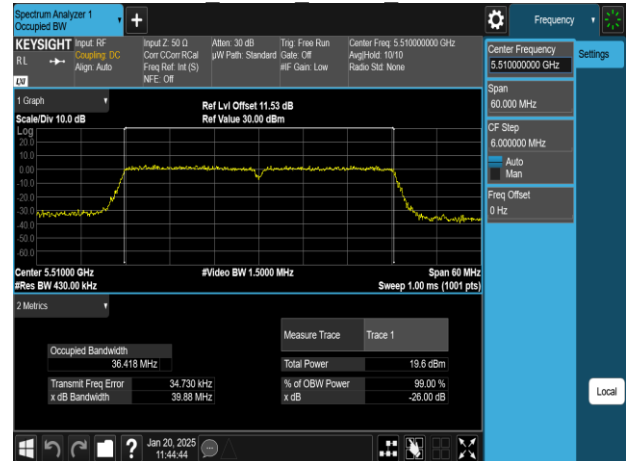
802.11n 40MHz Chain0 5310MHz



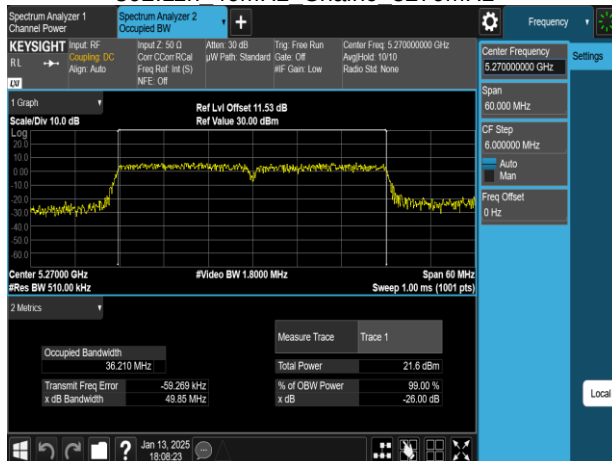
802.11n 40MHz Chain0 5230MHz



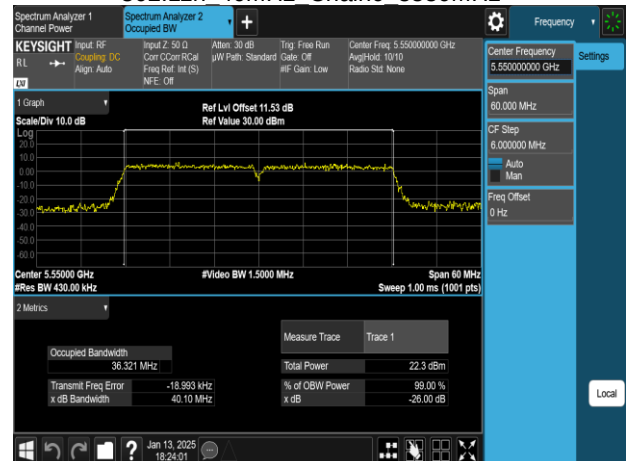
802.11n 40MHz Chain0 5510MHz



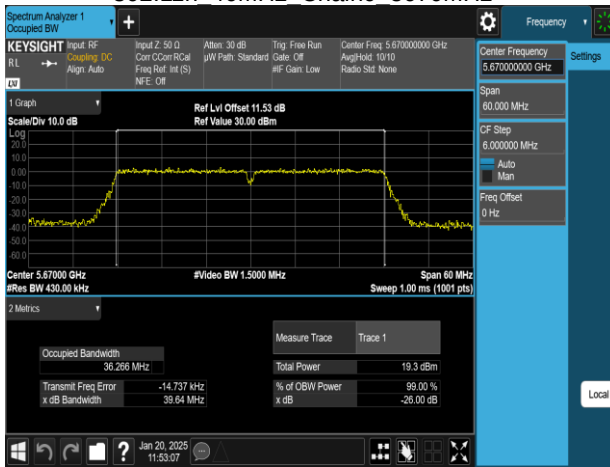
802.11n 40MHz Chain0 5270MHz



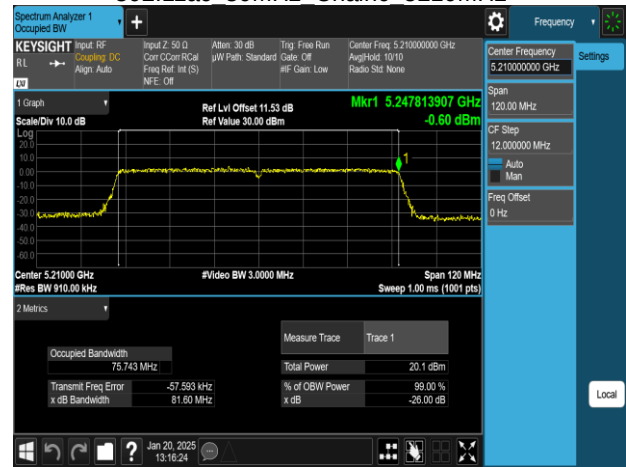
802.11n 40MHz Chain0 5550MHz



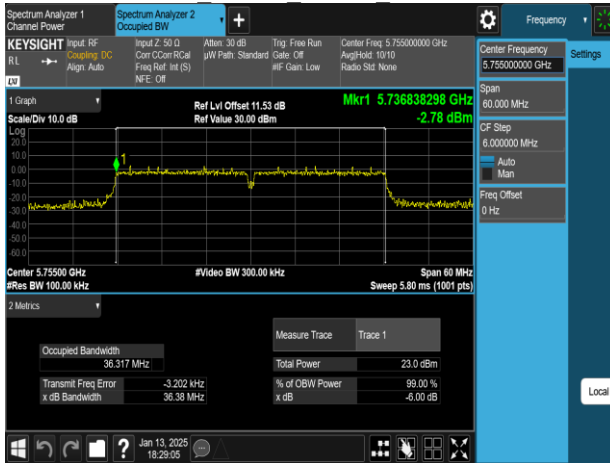
802.11n 40MHz Chain0 5670MHz



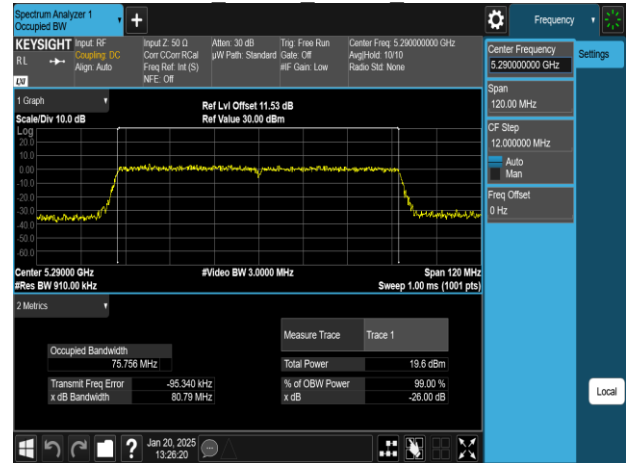
802.11ac 80MHz Chain0 5210MHz



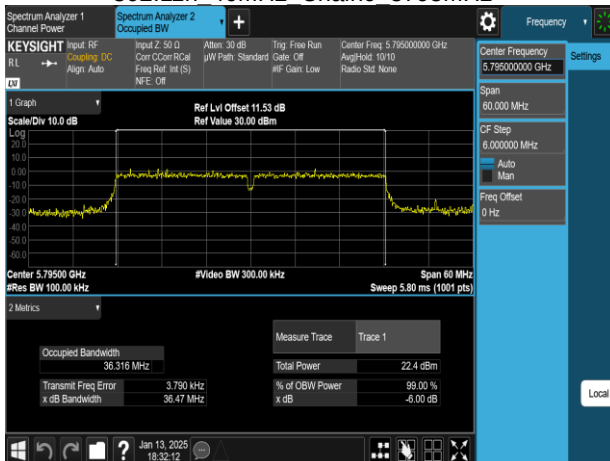
802.11n 40MHz Chain0 5755MHz



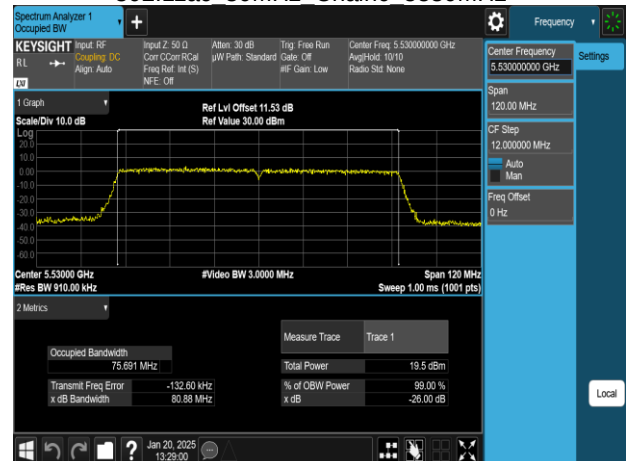
802.11ac 80MHz Chain0 5290MHz



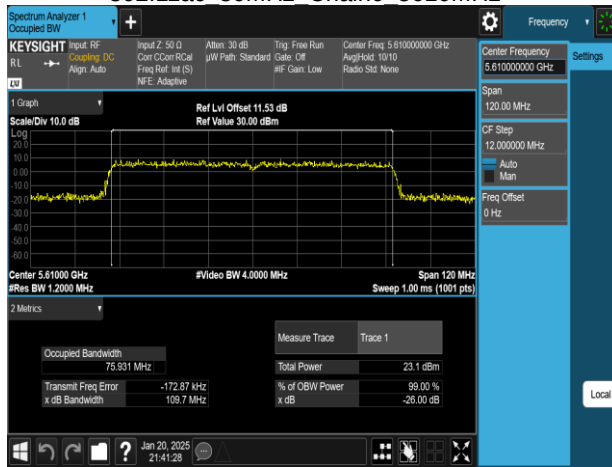
802.11n 40MHz Chain0 5795MHz



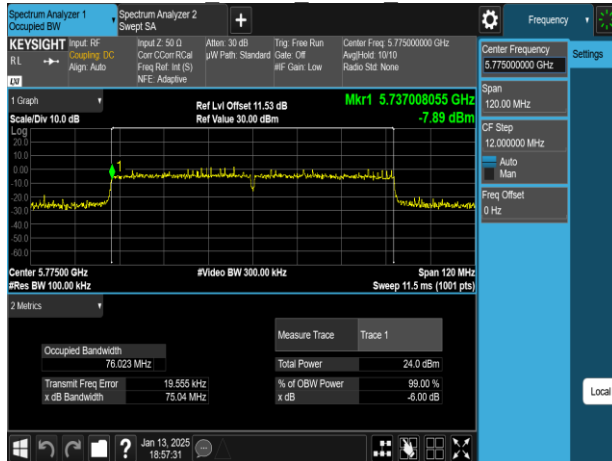
802.11ac 80MHz Chain0 5530MHz



802.11ac 80MHz Chain0 5610MHz



802.11ac 80MHz Chain0 5775MHz





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4.3 OUTPUT POWER MEASUREMENT

4.3.1 Test Limit

According to §15.407 (a)(1), 15.407(a)(2) and 15.407(a)(3),

UNII-1 :

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-2a and 2c:

the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-3:

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-1 Limit	☒ Antenna not exceed 6 dBi : 24dBm ☐ Antenna with DG greater than 6 dBi : [Limit = $24 - (DG - 6)$]
UNII-2a/2c Limit	☒ Antenna not exceed 6 dBi : 24dBm ☐ Antenna with DG greater than 6 dBi : [Limit = $24 - (DG - 6)$]
UNII-3 Limit	☒ Antenna not exceed 6 dBi : 30dBm ☐ Antenna with DG greater than 6 dBi : [Limit = $30 - (DG - 6)$]

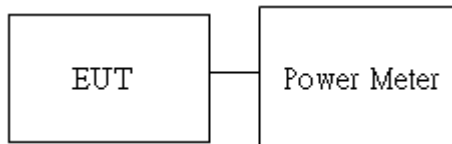
4.3.2 Test Procedure

Test method Refer as KDB 789033 D02, Section E.3.b for BW 20MHz and 40MHz, E.2.b for BW 80MHz.

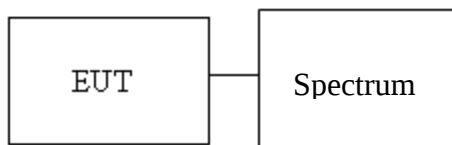
1. The EUT RF output connected to the power meter or spectrum by RF cable.
2. Setting maximum power transmit of EUT.
3. The path loss was compensated to the results for each measurement.
4. Measure and record the result of Average output power. in the test report.

4.3.3 Test Setup

For BW 20MHz and 40MHz



For BW 80MHz





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4.3.4 Test Result

Temperature: 17.5 ~ 22.3°C
Humidity: 45 ~ 51% RH

Test date: January 13 ~ 20, 2025
Tested by: Jerry Chang

Conducted output power :

802.11a_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	6	63	33.452	15.24	23.98	PASS
44	5220	6	80	82.874	19.18	23.98	PASS
48	5240	6	80	84.415	19.26	23.98	PASS
52	5260	6	80	93.201	19.69	23.98	PASS
60	5300	6	80	94.063	19.73	23.98	PASS
64	5320	6	67	46.176	16.64	23.98	PASS
100	5500	6	60	27.442	14.38	23.98	PASS
116	5580	6	68	43.493	16.38	23.98	PASS
140	5700	6	67	42.016	16.23	23.98	PASS
149	5745	6	72	58.670	17.68	30	PASS
157	5785	6	80	68.615	18.36	30	PASS
165	5825	6	80	67.363	18.28	30	PASS

802.11n_HT20_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	64	34.899	15.43	23.98	PASS
44	5220	MCS0	80	79.949	19.03	23.98	PASS
48	5240	MCS0	80	78.852	18.97	23.98	PASS
52	5260	MCS0	80	89.705	19.53	23.98	PASS
60	5300	MCS0	80	92.643	19.67	23.98	PASS
64	5320	MCS0	63	35.877	15.55	23.98	PASS
100	5500	MCS0	60	26.291	14.20	23.98	PASS
116	5580	MCS0	72	54.427	17.36	23.98	PASS
140	5700	MCS0	51	17.331	12.39	23.98	PASS
149	5745	MCS0	80	79.765	19.02	30	PASS
157	5785	MCS0	80	74.270	18.71	30	PASS
165	5825	MCS0	80	73.759	18.68	30	PASS



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802.11n_HT40_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	45	12.524	10.98	23.98	PASS
46	5230	MCS0	70	45.683	16.60	23.98	PASS
54	5270	MCS0	70	44.540	16.49	23.98	PASS
62	5310	MCS0	55	23.865	13.78	23.98	PASS
102	5510	MCS0	57	23.321	13.68	23.98	PASS
110	5550	MCS0	70	47.507	16.77	23.98	PASS
134	5670	MCS0	60	29.975	14.77	23.98	PASS
151	5755	MCS0	70	47.288	16.75	30	PASS
159	5795	MCS0	70	49.289	16.93	30	PASS

802.11ac_VHT20_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
36	5180	MCS0	64	34.281	15.35	23.98	PASS
44	5220	MCS0	80	78.534	18.95	23.98	PASS
48	5240	MCS0	80	77.100	18.87	23.98	PASS
52	5260	MCS0	80	87.510	19.42	23.98	PASS
60	5300	MCS0	80	90.585	19.57	23.98	PASS
64	5320	MCS0	63	34.999	15.44	23.98	PASS
100	5500	MCS0	60	26.005	14.15	23.98	PASS
116	5580	MCS0	72	53.834	17.31	23.98	PASS
140	5700	MCS0	51	16.985	12.30	23.98	PASS
149	5745	MCS0	80	75.693	18.79	30	PASS
157	5785	MCS0	80	71.789	18.56	30	PASS
165	5825	MCS0	80	72.286	18.59	30	PASS

802.11ac_VHT40_Ch0

CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
38	5190	MCS0	45	11.686	10.68	23.98	PASS
46	5230	MCS0	70	42.526	16.29	23.98	PASS
54	5270	MCS0	70	42.234	16.26	23.98	PASS
62	5310	MCS0	55	22.838	13.59	23.98	PASS
102	5510	MCS0	57	21.961	13.42	23.98	PASS
110	5550	MCS0	70	44.839	16.52	23.98	PASS
134	5670	MCS0	60	28.553	14.56	23.98	PASS
151	5755	MCS0	70	44.943	16.53	30	PASS
159	5795	MCS0	70	46.737	16.70	30	PASS

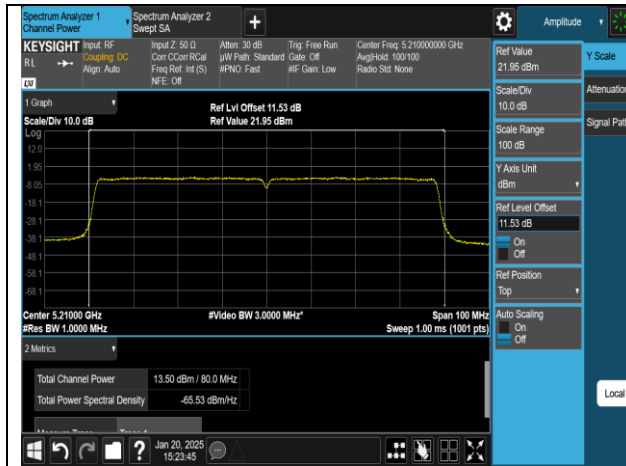


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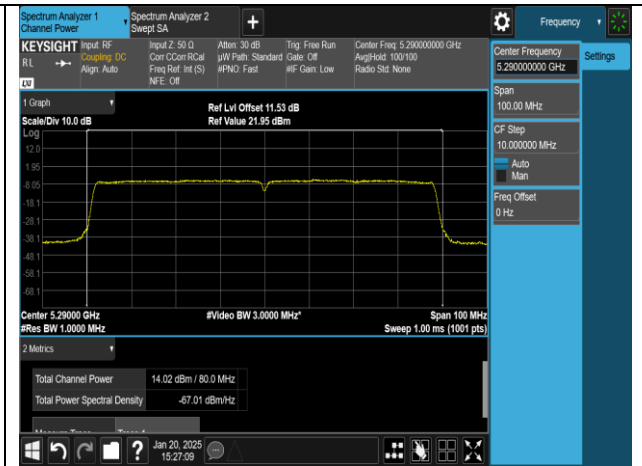
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802.11ac_VHT80_Ch0

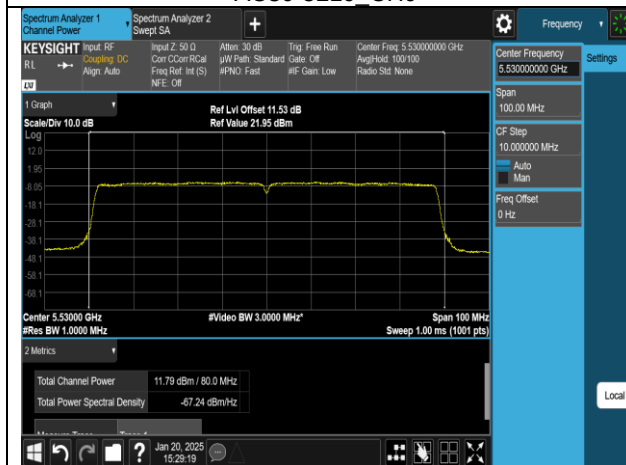
CH	Frequency (MHz)	Data Rate	Power Setting	TOTAL POWER (mW)	TOTAL POWER (dBm)	REQUIRED LIMIT (dBm)	RESULT
42	5210	MCS0	56	23.556	13.72	23.98	PASS
58	5290	MCS0	57	26.552	14.24	23.98	PASS
106	5530	MCS0	54	15.889	12.01	23.98	PASS
122	5610	MCS0	72	34.922	15.43	23.98	PASS
155	5775	MCS0	74	67.312	18.28	30	PASS



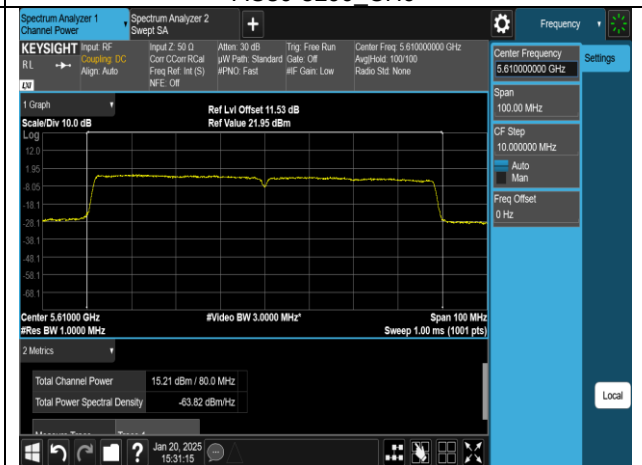
AC80-5210_CH0



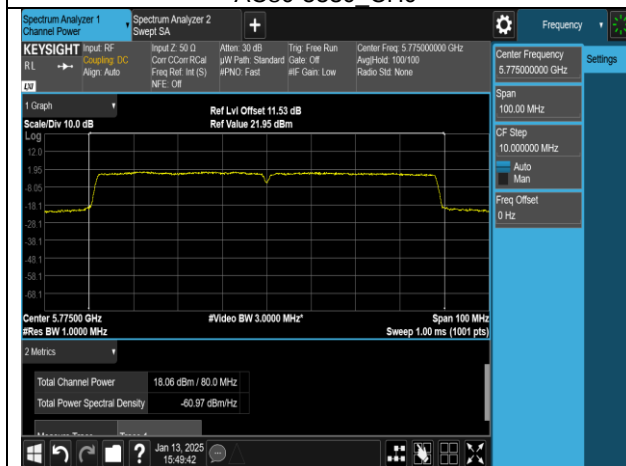
AC80-5290_CH0



AC80-5530_CH0



AC80-5610_CH0



AC80-5775_CH0



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4.4 POWER SPECTRAL DENSITY

4.4.1 Test Limit

According to §15.407 (a)(1), 15.407(a)(2) and 15.407(a)(3),

UNII-1 :

FCC: The maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-2a and 2c:

The maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-3:

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

UNII-1 Limit	☒ Antenna not exceed 6 dBi : 11 dBm/MHz ☐ Antenna with DG greater than 6 dBi : [Limit = 17 – (DG – 6) dBm/MHz]
UNII-2a Limit	☒ Antenna not exceed 6 dBi : 11 dBm/MHz ☐ Antenna with DG greater than 6 dBi : [Limit = 11 – (DG – 6)]
UNII-2c Limit	☒ Antenna not exceed 6 dBi : 11 dBm/MHz ☐ Antenna with DG greater than 6 dBi : [Limit = 11 – (DG – 6)]
UNII-3 Limit	☒ Antenna not exceed 6 dBi : 30 dBm/500kHz ☐ Antenna with DG greater than 6 dBi : [Limit = 30 – (DG – 6) dBm/500kHz]



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4.4.2 Test Procedure

Test method Refer as KDB 789033 D02

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. UNII-1, UNII-2a and UNII-2c, SA set RBW = 1MHz, VBW = 3MHz and Detector = RMS, to measurement Power Density.
4. UNII-3, SA set RBW = 500kHz, VBW = 2MHz and Detector = RMS, to measurement Power Density
5. The path loss and Duty Factor were compensated to the results for each measurement by SA.
6. Mark the maximum level.
7. Measure and record the result of power spectral density. in the test report.

4.4.3 Test Setup

Refer to section 1.8.



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4.4.4 Test Result

Temperature: 17.5 ~ 22.3°C
Humidity: 45 ~ 51% RH

Test date: January 13 ~ 20, 2025
Tested by: Jerry Chang

POWER DENSITY 802.11a MODE						
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	4.961	0.00	4.96		11.00 dBm/MHz	-6.04
5220	9.126	0.00	9.13		11.00 dBm/MHz	-1.87
5240	9.674	0.00	9.67		11.00 dBm/MHz	-1.33
5260	9.884	0.00	9.88		11.00 dBm/MHz	-1.12
5300	10.009	0.00	10.01		11.00 dBm/MHz	-0.99
5320	6.670	0.00	6.67		11.00 dBm/MHz	-4.33
5500	4.064	0.00	4.06		11.00 dBm/MHz	-6.94
5580	6.137	0.00	6.14		11.00 dBm/MHz	-4.86
5700	5.955	0.00	5.96		11.00 dBm/MHz	-5.05
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maxmum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5745	3.142	0.00	2.22	5.36	30.00 dBm/500kHz	-24.64
5785	1.091	0.00	2.22	3.31	30.00 dBm/500kHz	-26.69
5825	4.338	0.00	2.22	6.56	30.00 dBm/500kHz	-23.44

POWER DENSITY 802.11n HT20 MODE						
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	4.622	0.00	4.62		11.00 dBm/MHz	-6.38
5220	8.901	0.00	8.90		11.00 dBm/MHz	-2.10
5240	5.855	0.00	5.86		11.00 dBm/MHz	-5.15
5260	9.723	0.00	9.72		11.00 dBm/MHz	-1.28
5300	5.746	0.00	5.75		11.00 dBm/MHz	-5.25
5320	5.051	0.00	5.05		11.00 dBm/MHz	-5.95
5500	3.670	0.00	3.67		11.00 dBm/MHz	-7.33
5580	6.660	0.00	6.66		11.00 dBm/MHz	-4.34
5700	1.600	0.00	1.60		11.00 dBm/MHz	-9.40
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maxmum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5745	4.101	0.00	2.22	6.32	30.00 dBm/500kHz	-23.68
5785	1.017	0.00	2.22	3.24	30.00 dBm/500kHz	-26.76
5825	3.930	0.00	2.22	6.15	30.00 dBm/500kHz	-23.85



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POWER DENSITY 802.11n HT40 MODE						
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5190	-3.268	0.12	-3.15		11.00 dBm/MHz	-14.15
5230	3.165	0.12	3.29		11.00 dBm/MHz	-7.72
5270	-0.433	0.12	-0.31		11.00 dBm/MHz	-11.31
5310	-4.218	0.12	-4.10		11.00 dBm/MHz	-15.10
5510	-0.406	0.12	-0.29		11.00 dBm/MHz	-11.29
5550	-0.791	0.12	-0.67		11.00 dBm/MHz	-11.67
5670	-4.441	0.12	-4.32		11.00 dBm/MHz	-15.32
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maxmum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5755	-1.757	0.12	2.22	0.58	30.00 dBm/500kHz	-29.42
5795	-5.011	0.12	2.22	-2.67	30.00 dBm/500kHz	-32.67

POWER DENSITY 802.11ac VHT80 MODE						
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Duty Factor (dB)	Maxmum Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5210	-4.152	0.22	-3.93		11.00 dBm/MHz	-14.93
5290	-6.443	0.22	-6.22		11.00 dBm/MHz	-17.22
5530	-4.515	0.22	-4.30		11.00 dBm/MHz	-15.30
5610	-0.393	0.22	-0.17		11.00 dBm/MHz	-11.17
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Maxmum Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5775	-7.299	0.22	2.22	-4.86	30.00 dBm/500kHz	-34.86



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Test Data

802.11a 20MHz Chain0 5180MHz



802.11a 20MHz Chain0 5260MHz



802.11a 20MHz Chain0 5220MHz



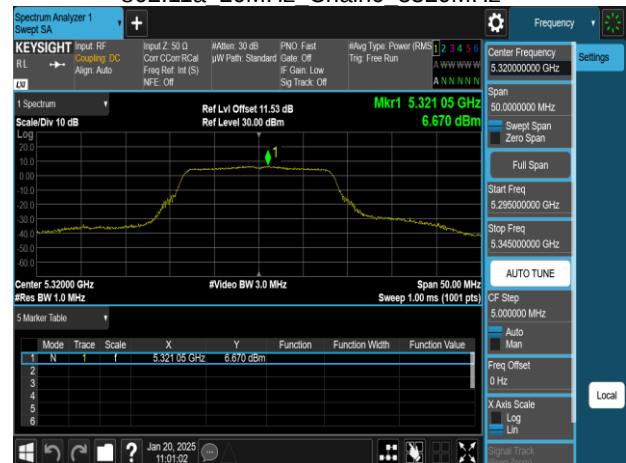
802.11a 20MHz Chain0 5300MHz



802.11a 20MHz Chain0 5240MHz



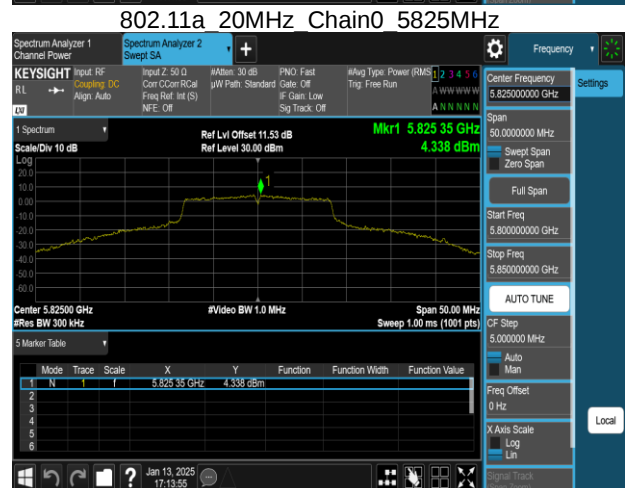
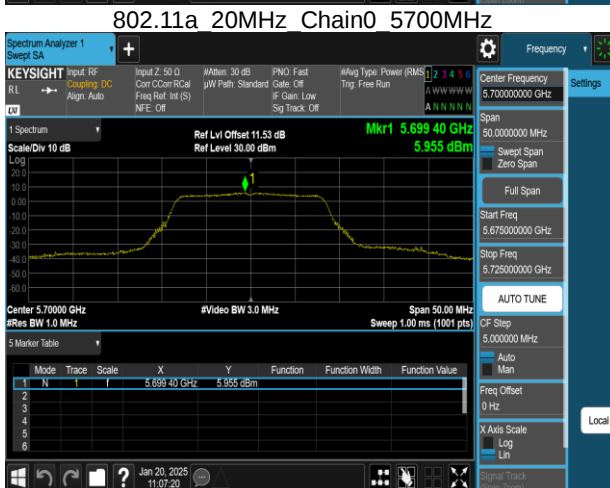
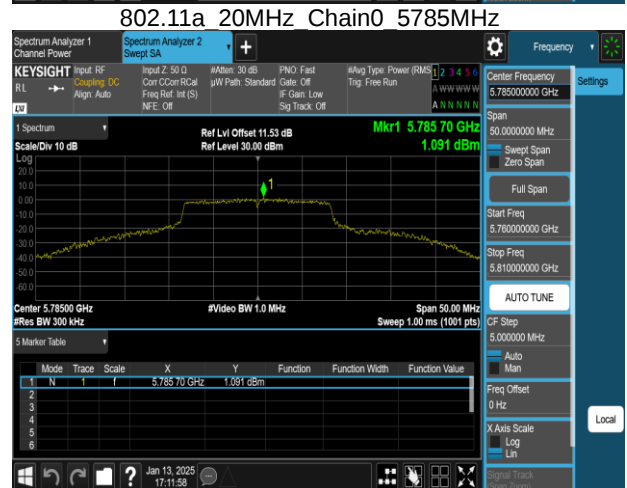
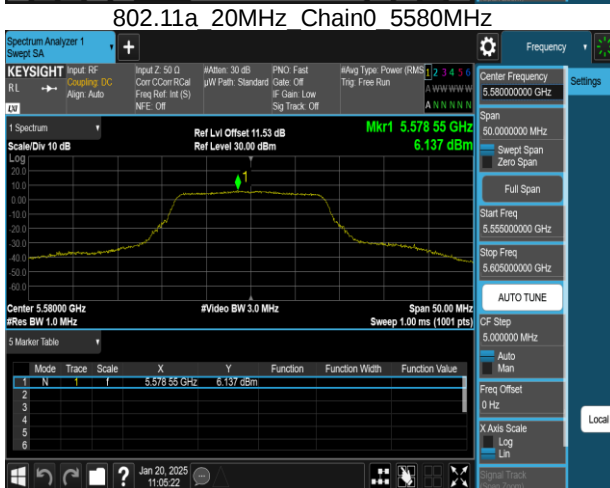
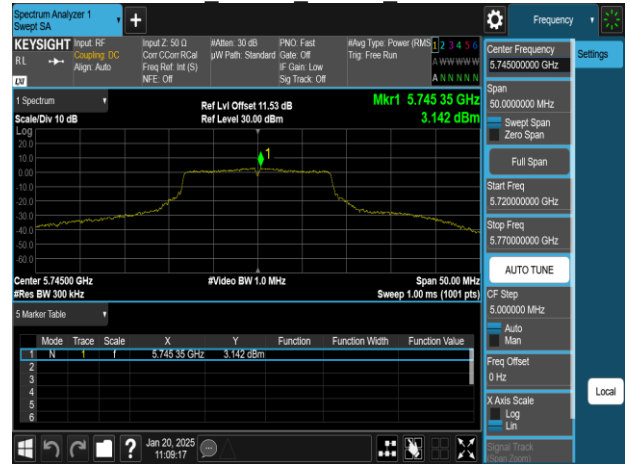
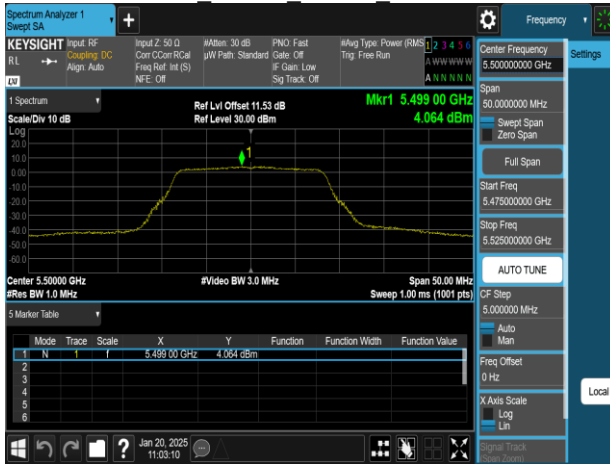
802.11a 20MHz Chain0 5320MHz





Project No: TM-2412000436P
Report No.: TMWK2412004781KR
802.11a 20MHz Chain0 5500MHz

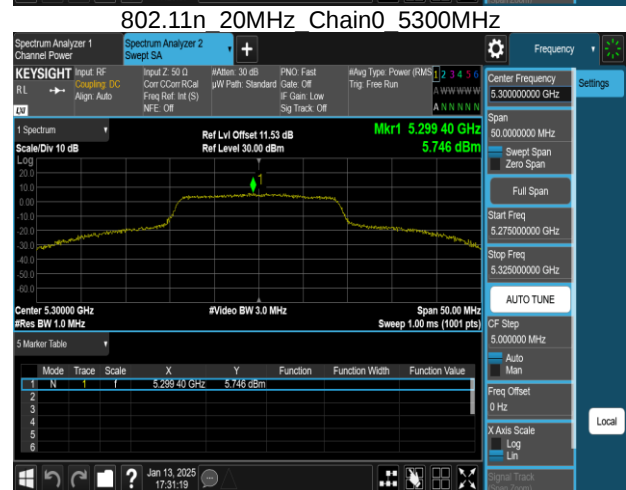
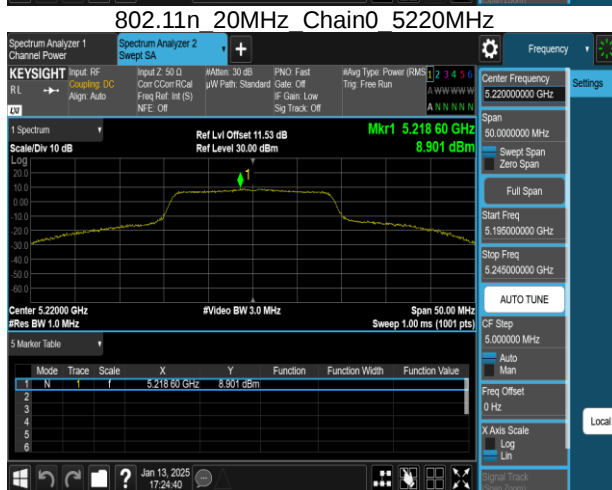
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Project No: TM-2412000436P
Report No.: TMWK2412004781KR
802.11n 20MHz Chain0 5180MHz

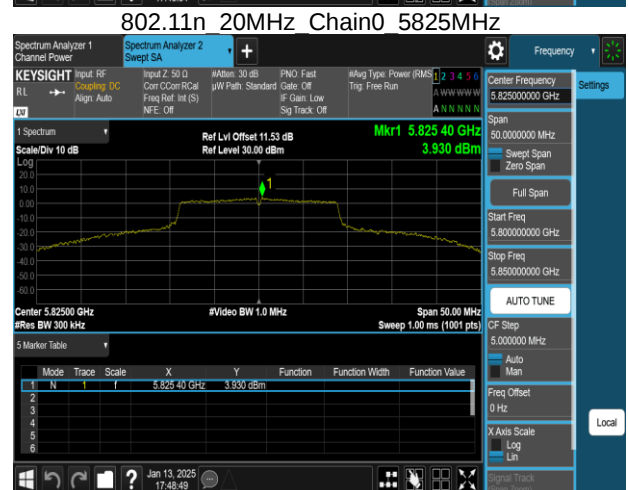
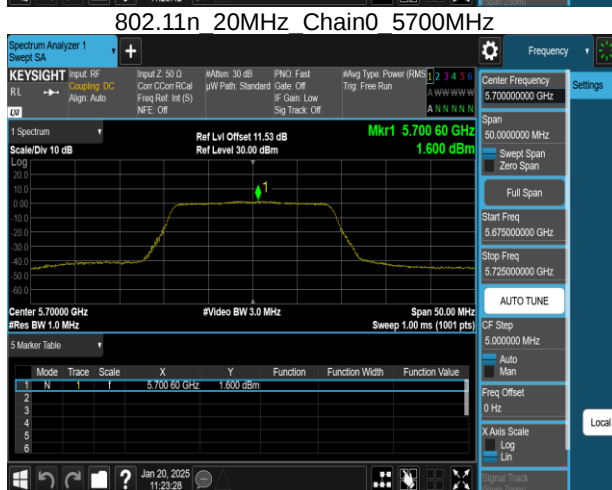
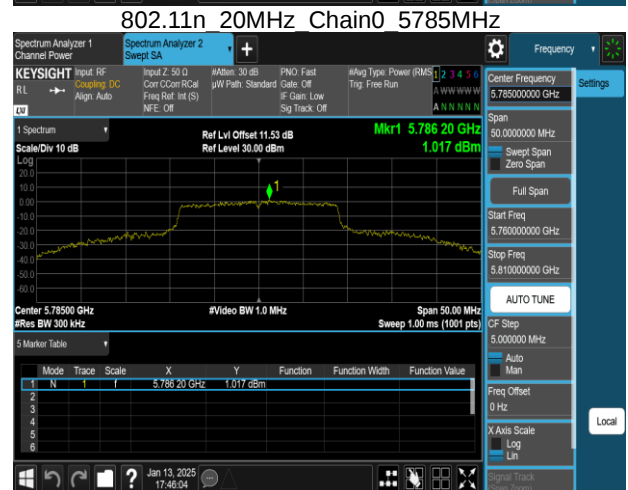
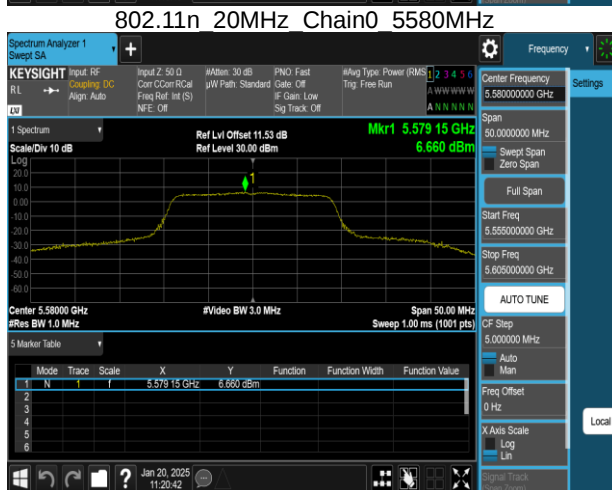
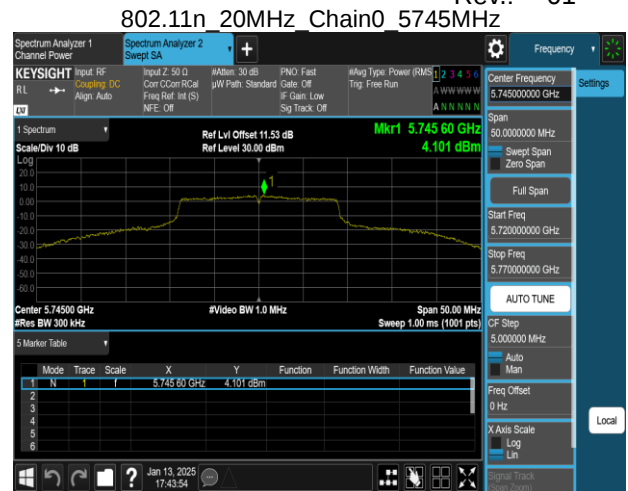
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Project No: TM-2412000436P
Report No.: TMWK2412004781KR
802.11n 20MHz Chain0 5500MHz

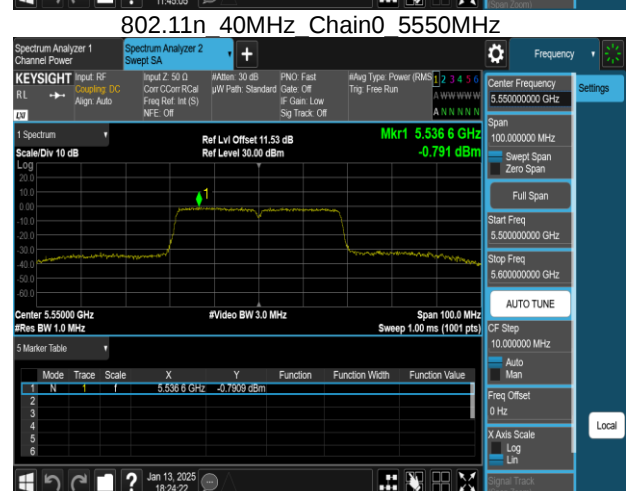
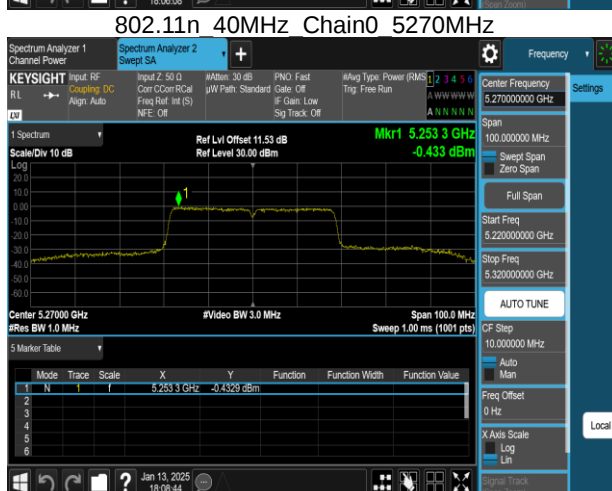
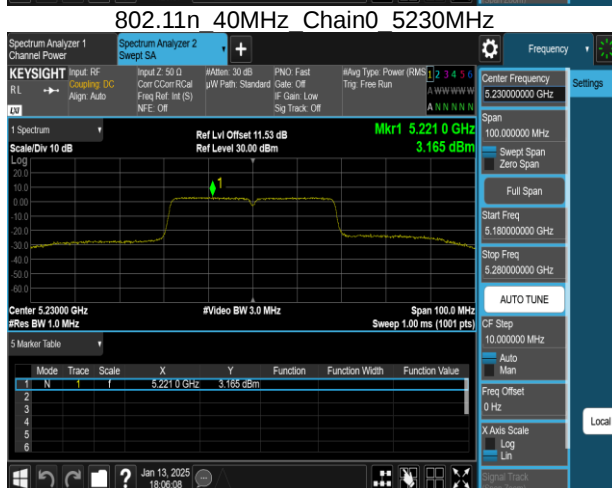
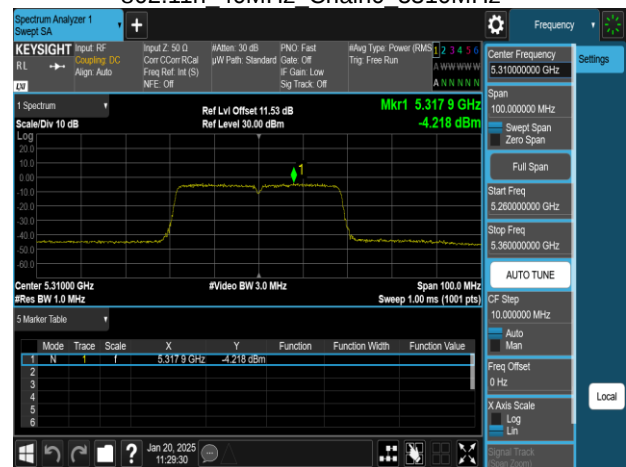
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Project No: TM-2412000436P
Report No.: TMWK2412004781KR
802.11n 40MHz Chain0 5190MHz

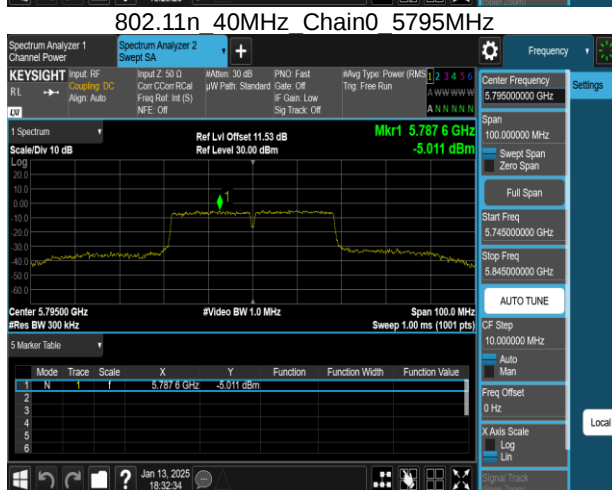
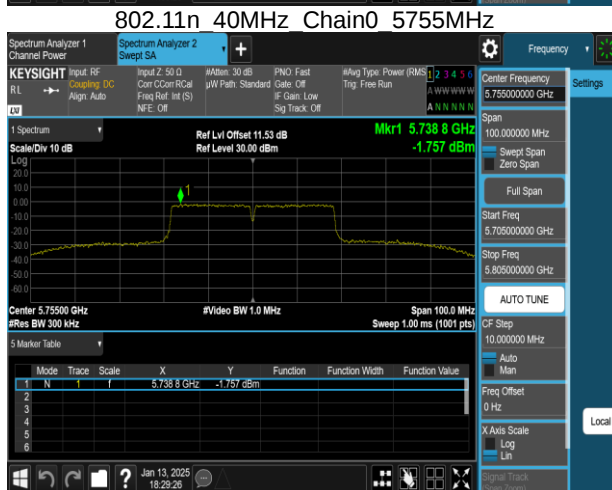
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Report No.: TMWK2412004781KR
802.11n 40MHz Chain0 5670MHz

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Report No.: TMWK2412004781KR
802.11ac 80MHz Chain0 5610MHz

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802.11ac 80MHz Chain0 5775MHz





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4.5 RADIATION Bandedge and Spurious Emission

4.5.1 Test Limit

FCC according to §15.407, §15.209 and §15.205,

Below 30 MHz

Frequency	Field Strength (microvolts/m)	Magnetic H-Field (microamperes/m)	Measurement Distance (metres)
9-490 kHz	2,400/F (F in kHz)	2,400/F (F in kHz)	300
490-1,705 kHz	24,000/F (F in kHz)	24,000/F (F in kHz)	30
1.705-30 MHz	30	N/A	30

Above 30 MHz

Frequency (MHz)	Field Strength microvolts/m at 3 metres (watts, e.i.r.p.)	
	Transmitters	Receivers
30-88	100 (3 nW)	100 (3 nW)
88-216	150 (6.8 nW)	150 (6.8 nW)
216-960	200 (12 nW)	200 (12 nW)
Above 960	500 (75 nW)	500 (75 nW)

UNII-1 :

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

UNII-2a and 2c :

For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

UNII-3:

All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge



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4.5.2 Test Procedure

Test method Refer as KDB 789033 D02.

1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10-2020, and the EUT set in a continuous mode.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And EUT is set 3m away from the receiving antenna, which is scanned from 1m to 4m above the ground plane to find out the highest emissions. Measurement are made polarized in both the vertical and the horizontal positions with antenna.
3. Span shall wide enough to full capture the emission measured. The SA from 9kHz to 40GHz set to the low, Mid and High channels with the EUT transmit.
4. No emission found between lowest internal used/generated frequency to 30MHz (9KHz~30MHz)

Radiated emission below 30MHz is measured in a 9m*6m*6m semi-ane choic chamber, the measurements correspond to those obtained at an open-field test site. There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

5. The SA setting following :

(1) Below 30MHz :

(1.1) 9KHz-490KHz : RBW=200Hz / VBW=1kHz / Sweep=AUTO

(1.2) 490KHz-30MHz : RBW=10kHz / VBW=30kHz / Sweep=AUTO

(2) 30MHz to 1GHz : RBW = 100kHz, VBW $\geq 3 \times$ RBW, Sweep = Auto,
Detector = Peak, Trace = Max hold.

(3) Above 1GHz :

(3.1) For Peak measurement : RBW = 1MHz, VBW $\geq 3 \times$ RBW, Sweep = Auto,
Detector = Peak, Trace = Max hold.

(3.2) For Average measurement : RBW = 1MHz, VBW

·If Duty Cycle $\geq 98\%$, VBW=10Hz.

·If Duty Cycle $< 98\%$, VBW=1/T.

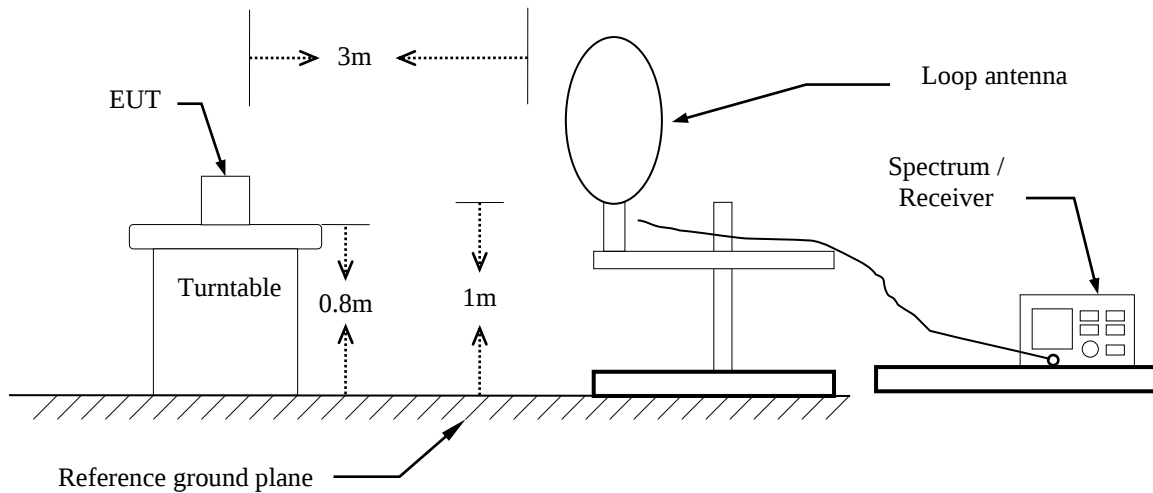
6. Data result :

Actual FS=Spectrum Reading Level + Factor

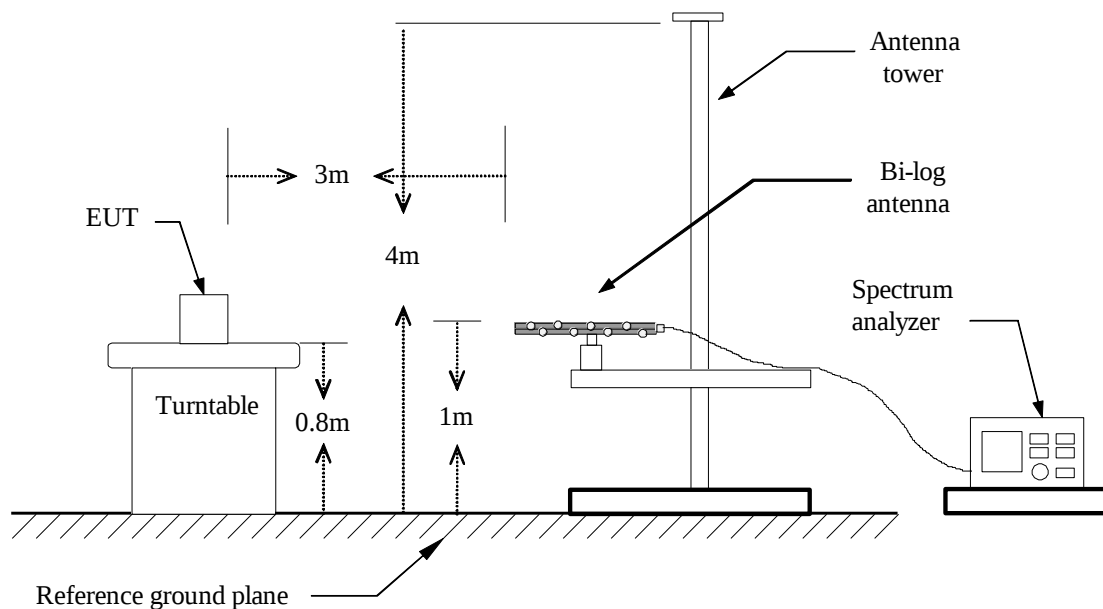
Margin=Actual FS- Limit

4.5.3 Test Setup

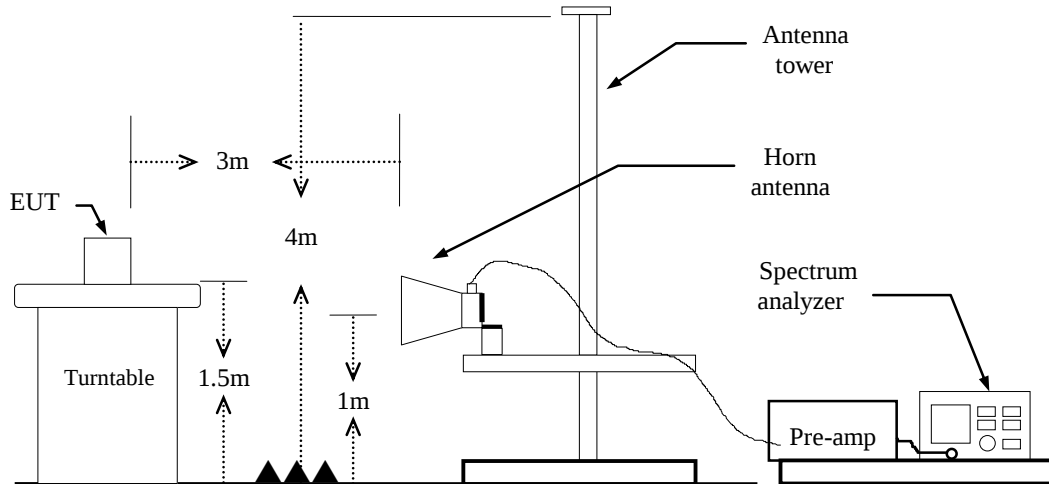
9kHz ~ 30MHz



30MHz ~ 1GHz



Above 1 GHz





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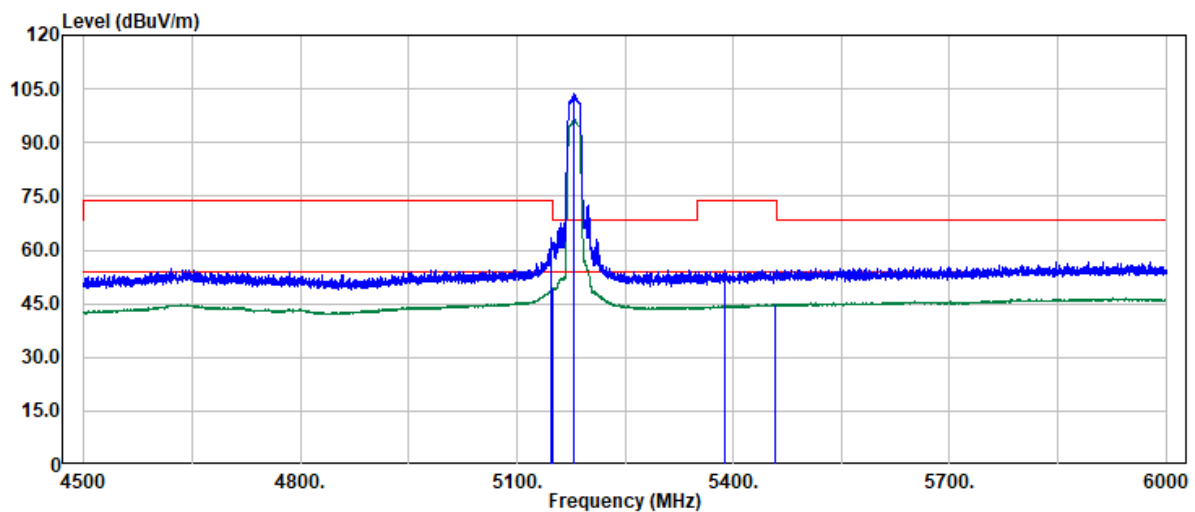
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4.5.4 Test Result

Band Edge Test Data

Project No : TM-2412000436P
Operation Band : 802.11a_Band1
Frequency : 5180 MHz
Operation Mode : Bandedge
EUT Pol : E1
Setting : 63

Test Date : 2025-01-15
Temp./Humi. : 24.4/59
Antenna Pol. : VERTICAL
Engineer : Ray.Li
Test Chamber : 966A



Trace: 1

Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5147.18	50.29	13.27	63.56	74.00	-10.44	Peak
5149.43	35.94	13.27	49.21	54.00	-4.79	Average
5180.00	90.07	13.41	103.48	--	--	Peak
5180.00	83.08	13.41	96.49	--	--	Average
5389.56	40.62	13.70	54.32	74.00	-19.68	Peak
5457.77	30.80	14.00	44.80	54.00	-9.20	Average

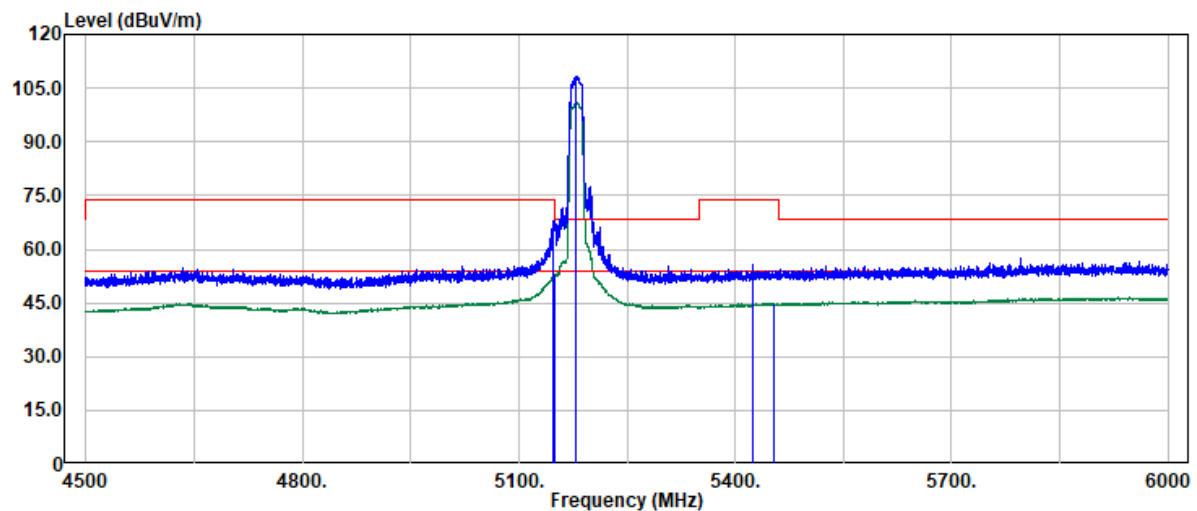


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Project No : TM-2412000436P
Operation Band : 802.11a_Band1
Frequency : 5180 MHz
Operation Mode : Bandedge
EUT Pol : E1
Setting : 63

Test Date : 2025-01-15
Temp./Humi. : 24.4/59
Antenna Pol. : HORIZONTAL
Engineer : Ray.Li
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5147.43	54.49	13.27	67.76	74.00	-6.24	Peak
5149.68	39.52	13.27	52.79	54.00	-1.21	Average
5180.00	94.91	13.41	108.32	--	--	Peak
5180.00	87.68	13.41	101.09	--	--	Average
5425.54	41.75	13.86	55.61	74.00	-18.39	Peak
5453.27	30.80	14.00	44.80	54.00	-9.20	Average

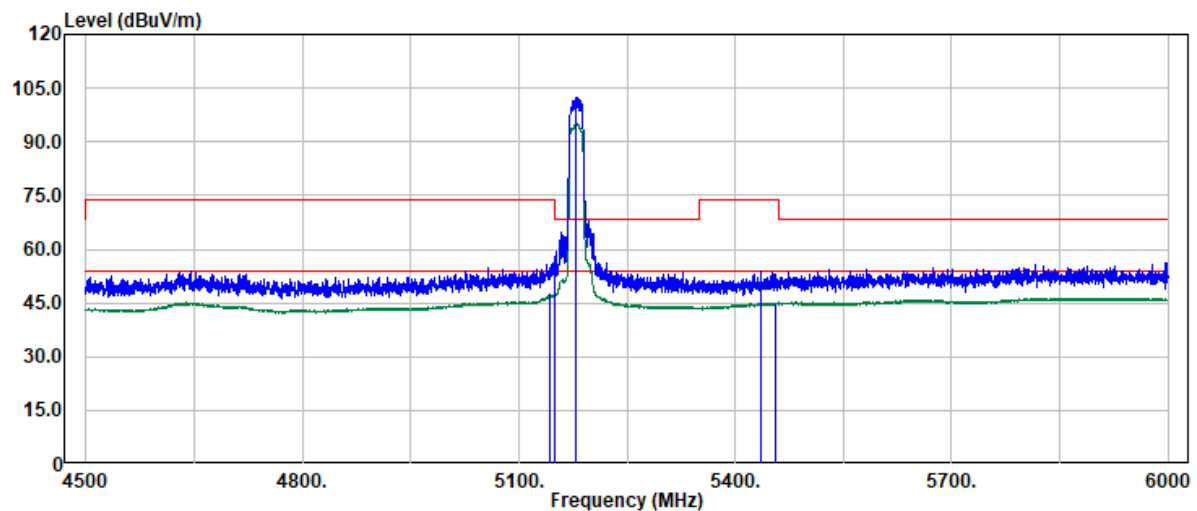


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Project No : TM-2412000436P
Operation Band : 802.11n20_Band1
Frequency : 5180 MHz
Operation Mode : Bandedge
EUT Pol : E1
Setting : 64

Test Date : 2025-01-16
Temp./Humi. : 24.5/57
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5143.43	34.10	13.27	47.37	54.00	-6.63	Average
5148.93	44.78	13.27	58.05	74.00	-15.95	Peak
5180.00	88.89	13.41	102.30	--	--	Peak
5180.00	81.65	13.41	95.06	--	--	Average
5435.78	39.80	13.91	53.71	74.00	-20.29	Peak
5455.52	31.02	14.00	45.02	54.00	-8.98	Average

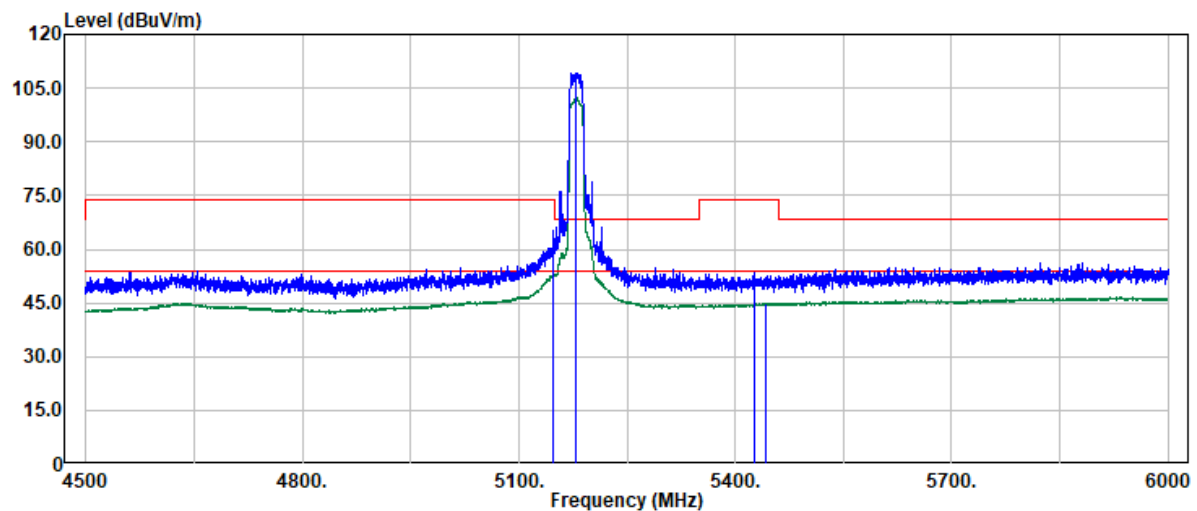


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Project No : TM-2412000436P
Operation Band : 802.11n20_Band1
Frequency : 5180 MHz
Operation Mode : Bandedge
EUT Pol : E1
Setting : 64

Test Date : 2025-01-16
Temp./Humi. : 24.5/57
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5147.68	52.11	13.27	65.38	74.00	-8.62	Peak
5148.68	39.81	13.27	53.08	54.00	-0.92	Average
5180.00	95.84	13.41	109.25	--	--	Peak
5180.00	88.74	13.41	102.15	--	--	Average
5425.79	39.36	13.86	53.22	74.00	-20.78	Peak
5442.28	31.06	13.96	45.02	54.00	-8.98	Average

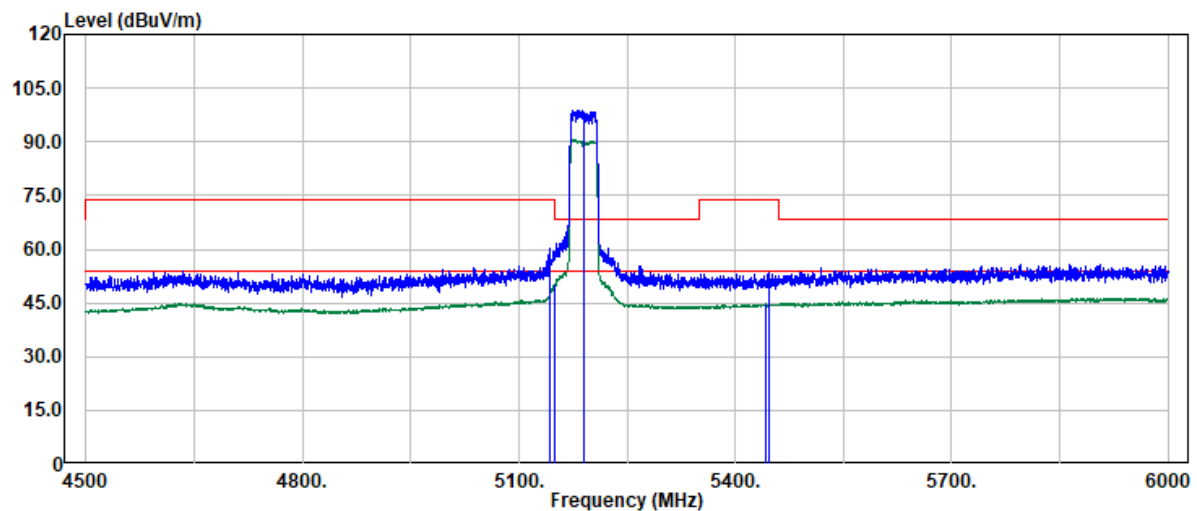


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Project No : TM-2412000436P
Operation Band : 802.11n40_Band1
Frequency : 5190 MHz
Operation Mode : Bandedge
EUT Pol : E1
Setting : 45

Test Date : 2025-01-16
Temp./Humi. : 24.5/57
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5142.00	46.85	13.27	60.12	74.00	-13.88	Peak
5149.80	37.04	13.27	50.31	54.00	-3.69	Average
5190.00	85.35	13.45	98.80	--	--	Peak
5190.00	77.01	13.45	90.46	--	--	Average
5443.50	30.71	13.96	44.67	54.00	-9.33	Average
5445.90	39.46	13.97	53.43	74.00	-20.57	Peak

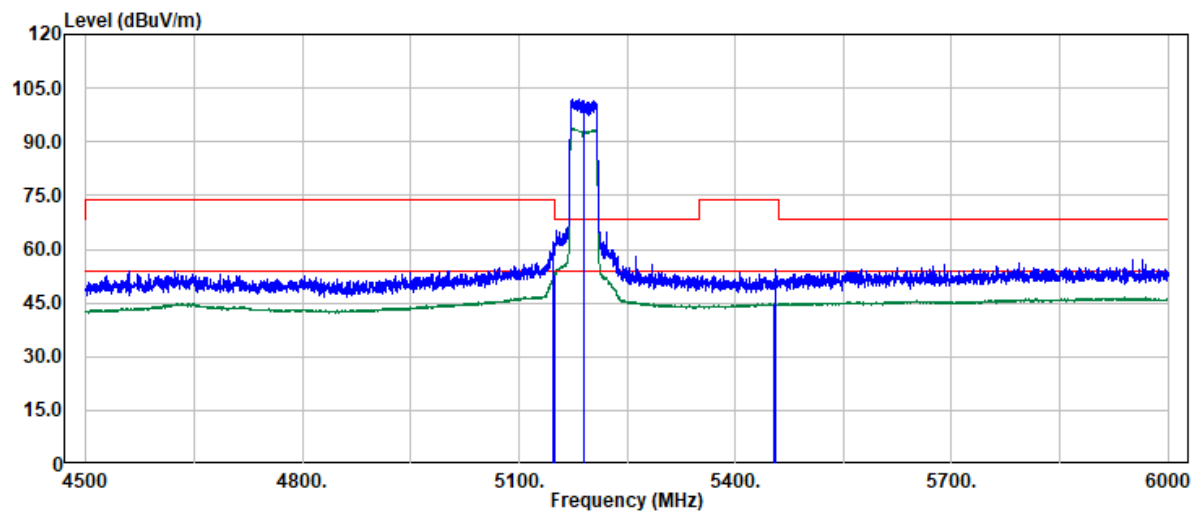


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Report No.: TMWK2412004781KR

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Project No : TM-2412000436P
Operation Band : 802.11n40_Band1
Frequency : 5190 MHz
Operation Mode : Bandedge
EUT Pol : E1
Setting : 45

Test Date : 2025-01-16
Temp./Humi. : 24.5/57
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



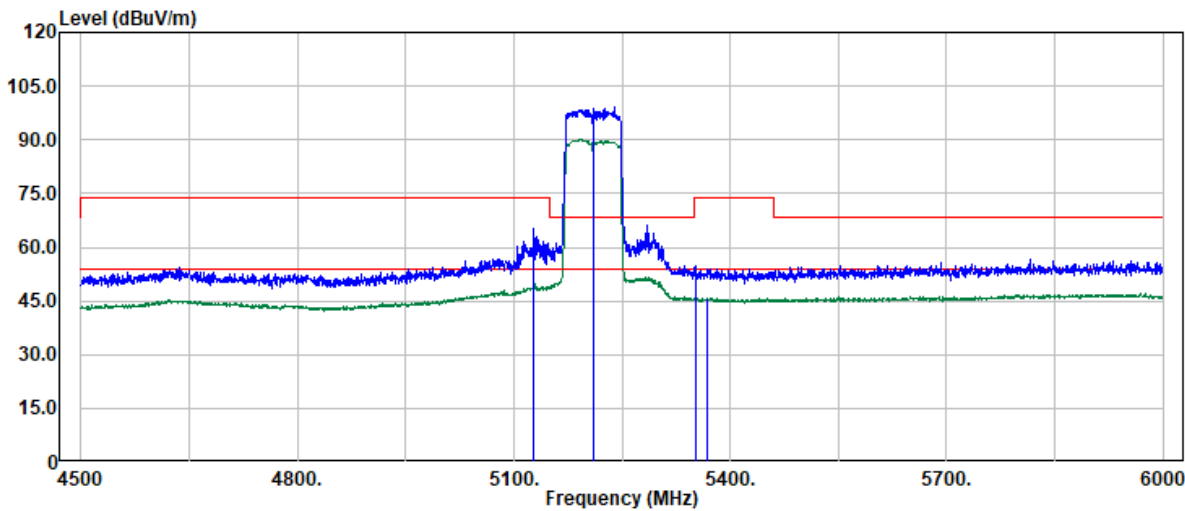
Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5147.10	48.67	13.27	61.94	74.00	-12.06	Peak
5149.20	39.70	13.27	52.97	54.00	-1.03	Average
5190.00	88.36	13.45	101.81	--	--	Peak
5190.00	80.36	13.45	93.81	--	--	Average
5454.60	30.79	14.00	44.79	54.00	-9.21	Average
5455.80	40.14	14.00	54.14	74.00	-19.86	Peak



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Project No	: TM-2412000436P	Test Date	: 2025-01-16
Operation Band	: 802.11ac80_Band1	Temp./Humi.	: 24.5/57
Frequency	: 5210 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: Bandedge	Engineer	: Tony.Chao
EUT Pol	: E1	Test Chamber	: 966A
Setting	: 56		



Trace: 1						
Freq	Read	Factor	Actual	Limit		Detector
-----	-----	-----	FS	@3m	Margin	Mode
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5127.79	36.59	13.26	49.85	54.00	-4.15	Average
5128.29	52.16	13.26	65.42	74.00	-8.58	Peak
5210.00	85.60	13.46	99.06	--	--	Peak
5210.00	76.72	13.46	90.18	--	--	Average
5351.72	41.05	13.63	54.68	74.00	-19.32	Peak
5368.71	32.29	13.66	45.95	54.00	-8.05	Average

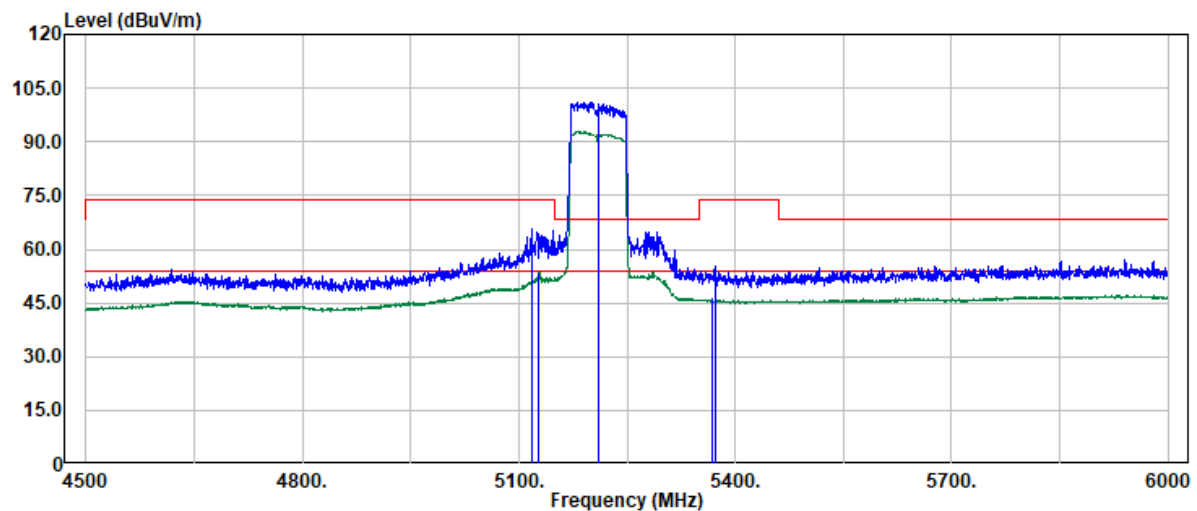


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Project No : TM-2412000436P
Operation Band : 802.11ac80_Band1
Frequency : 5210 MHz
Operation Mode : Bandedge
EUT Pol : E1
Setting : 56

Test Date : 2025-01-16
Temp./Humi. : 24.5/57
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5118.29	52.34	13.25	65.59	74.00	-8.41	Peak
5127.79	40.09	13.26	53.35	54.00	-0.65	Average
5210.00	87.61	13.46	101.07	--	--	Peak
5210.00	79.34	13.46	92.80	--	--	Average
5368.21	32.31	13.66	45.97	54.00	-8.03	Average
5371.71	41.34	13.68	55.02	74.00	-18.98	Peak

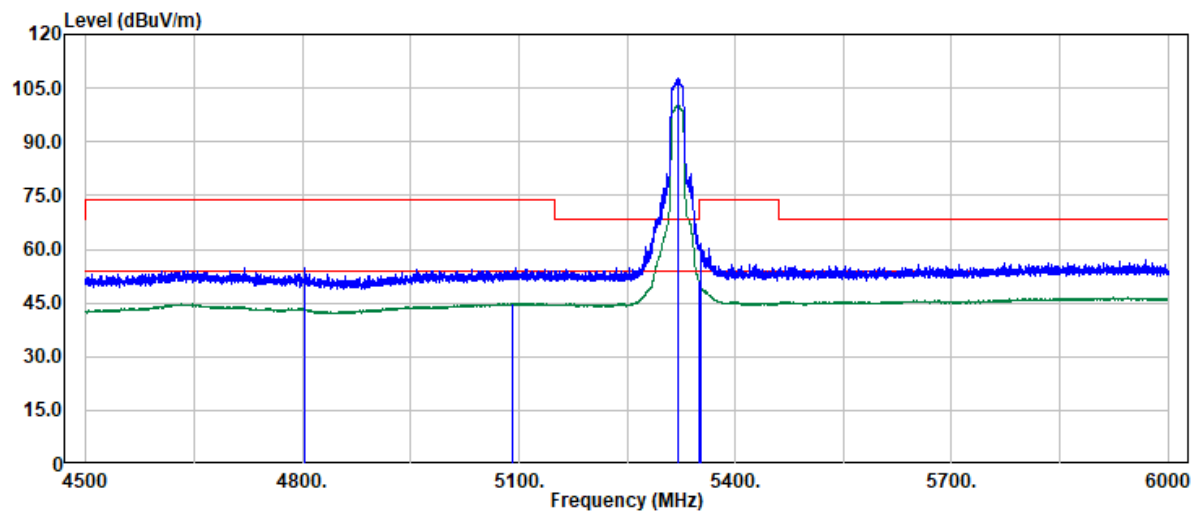


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Project No : TM-2412000436P
Operation Band : 802.11a_Band2
Frequency : 5320 MHz
Operation Mode : Bandedge
EUT Pol : E1
Setting : 67

Test Date : 2025-01-16
Temp./Humi. : 24.4/59
Antenna Pol. : VERTICAL
Engineer : Ray.Li
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4803.35	43.33	11.64	54.97	74.00	-19.03	Peak
5091.70	31.74	13.20	44.94	54.00	-9.06	Average
5320.00	94.30	13.54	107.84	--	--	Peak
5320.00	86.80	13.54	100.34	--	--	Average
5350.33	37.33	13.63	50.96	54.00	-3.04	Average
5351.32	48.10	13.63	61.73	74.00	-12.27	Peak

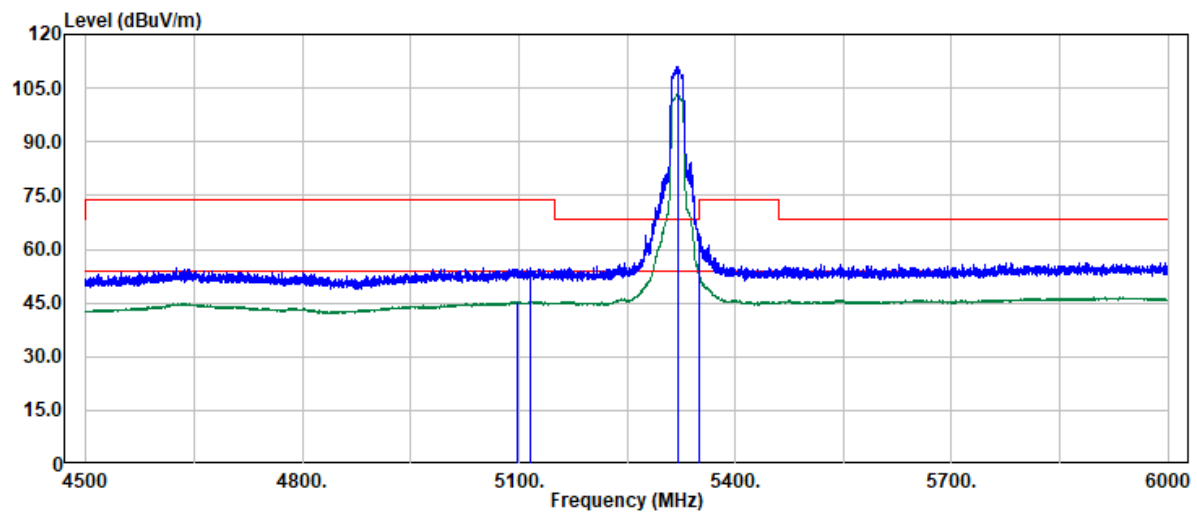


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Project No : TM-2412000436P
Operation Band : 802.11a_Band2
Frequency : 5320 MHz
Operation Mode : Bandedge
EUT Pol : E1
Setting : 67

Test Date : 2025-01-16
Temp./Humi. : 24.4/59
Antenna Pol. : HORIZONTAL
Engineer : Ray.Li
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
5097.45	32.27	13.22	45.49	54.00	-8.51	Average
5116.69	41.56	13.25	54.81	74.00	-19.19	Peak
5320.00	97.39	13.54	110.93	--	--	Peak
5320.00	89.80	13.54	103.34	--	--	Average
5350.33	39.35	13.63	52.98	54.00	-1.02	Average
5350.83	50.10	13.63	63.73	74.00	-10.27	Peak

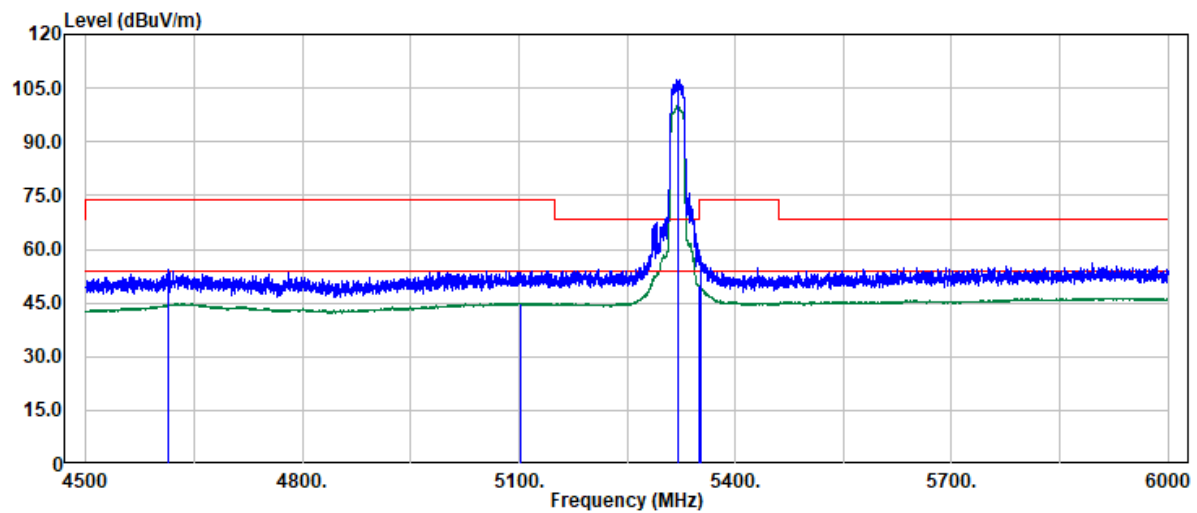


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Operation Band : 802.11n20_Band2
Frequency : 5320 MHz
Operation Mode : Bandedge
EUT Pol : E1
Setting : 63

Test Date : 2025-01-16
Temp./Humi. : 24.5/57
Antenna Pol. : VERTICAL
Engineer : Tony.Chao
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4614.94	41.83	12.32	54.15	74.00	-19.85	Peak
5102.45	31.70	13.23	44.93	54.00	-9.07	Average
5320.00	93.81	13.54	107.35	--	--	Peak
5320.00	86.54	13.54	100.08	--	--	Average
5350.83	36.08	13.63	49.71	54.00	-4.29	Average
5353.07	44.50	13.63	58.13	74.00	-15.87	Peak