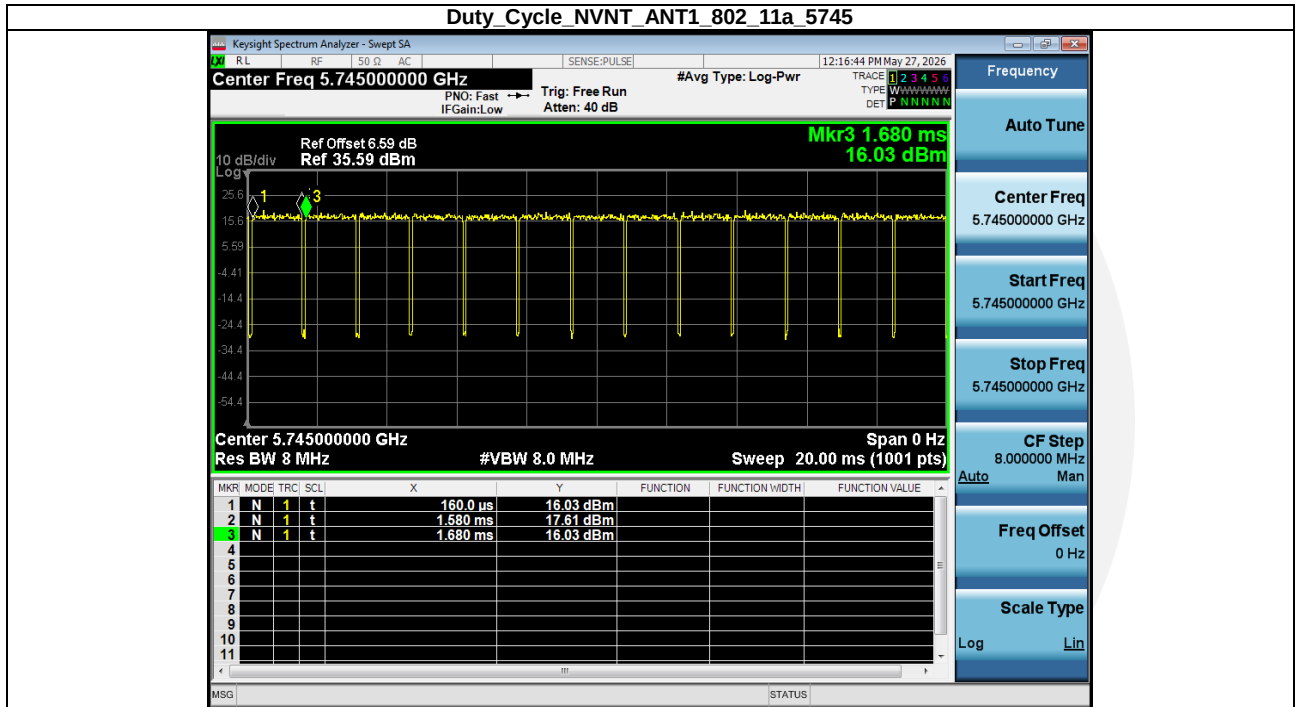
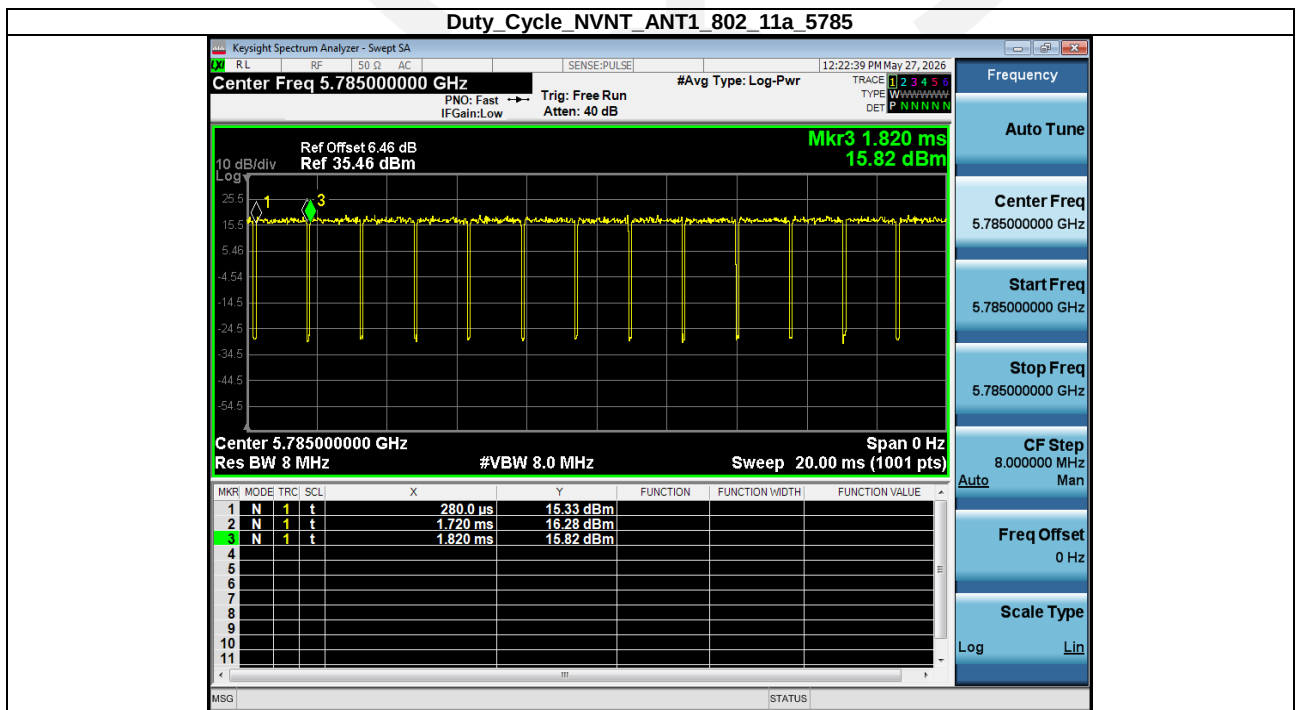
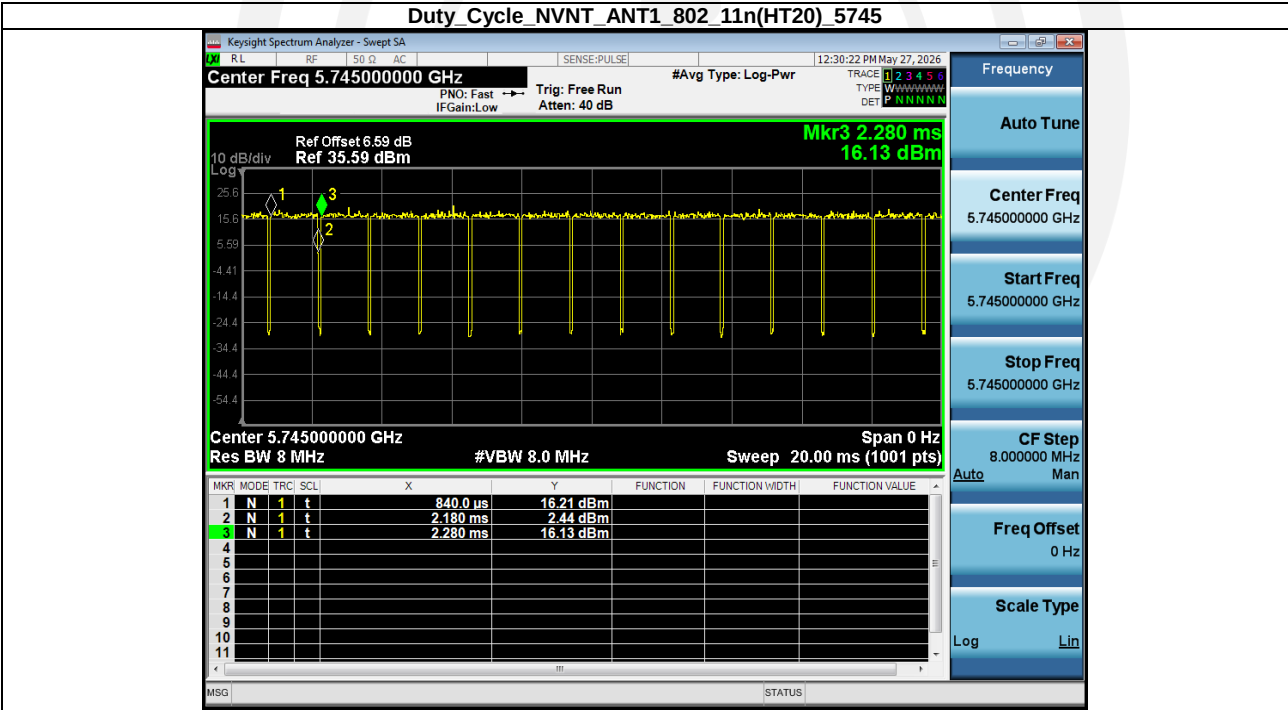
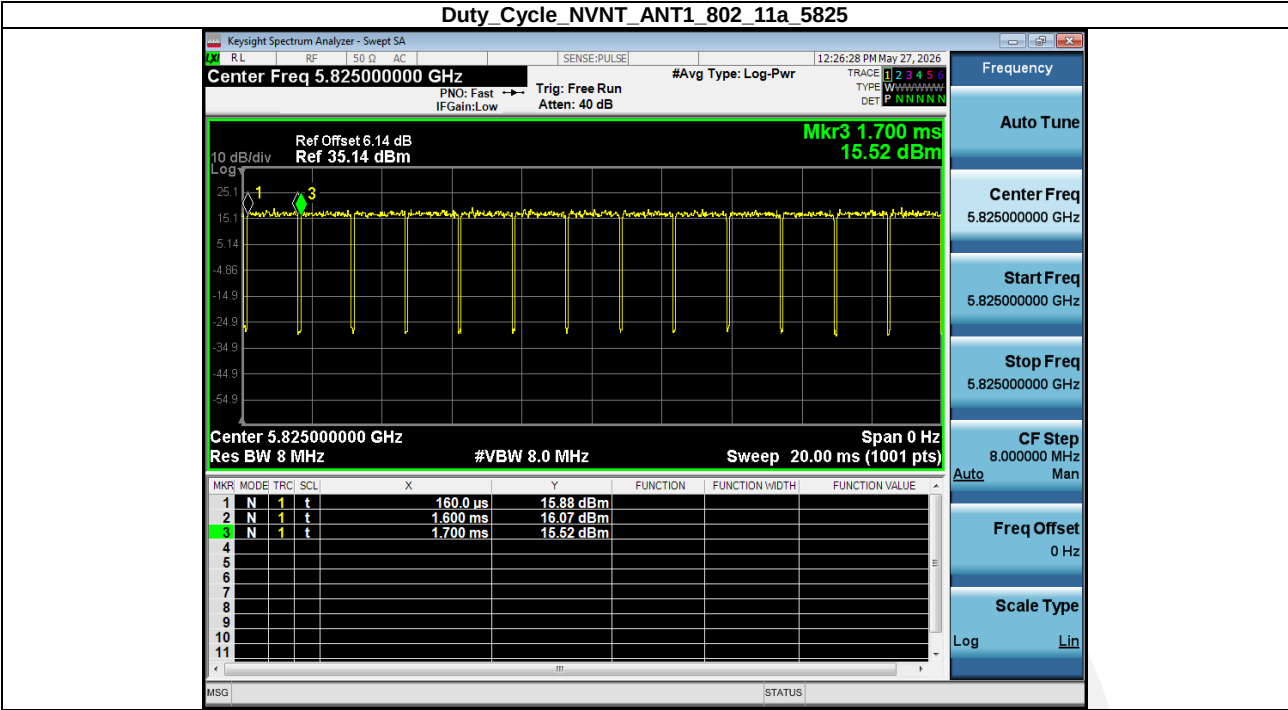


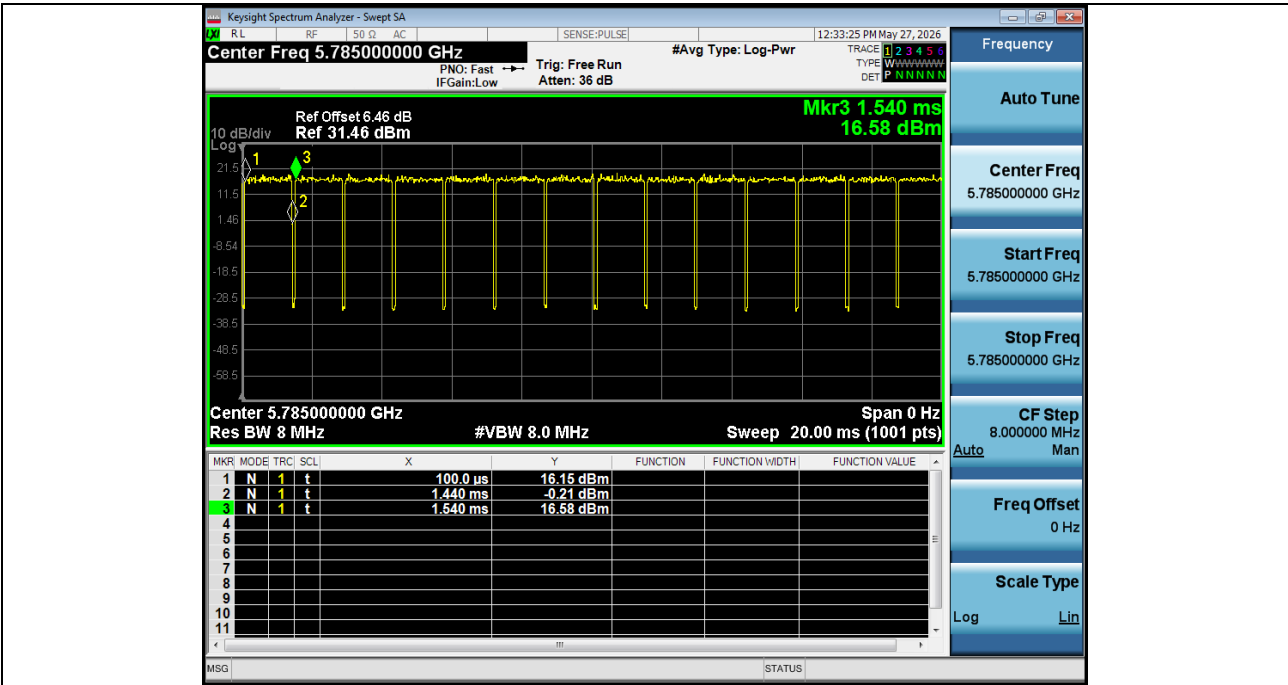
Band 4 (5725 – 5850 MHz):

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5745.00	93.42	0.30
NVNT	ANT1	802.11a	5785.00	93.51	0.29
NVNT	ANT1	802.11a	5825.00	93.51	0.29
NVNT	ANT1	802.11n(HT20)	5745.00	93.06	0.31
NVNT	ANT1	802.11n(HT20)	5785.00	93.06	0.31
NVNT	ANT1	802.11n(HT20)	5825.00	93.06	0.31
NVNT	ANT1	802.11ac(VHT20)	5745.00	93.06	0.31
NVNT	ANT1	802.11ac(VHT20)	5785.00	93.06	0.31
NVNT	ANT1	802.11ac(VHT20)	5825.00	93.15	0.31
NVNT	ANT1	802.11n(HT40)	5755.00	86.84	0.61
NVNT	ANT1	802.11n(HT40)	5795.00	87.18	0.60
NVNT	ANT1	802.11ac(VHT40)	5755.00	87.18	0.60
NVNT	ANT1	802.11ac(VHT40)	5795.00	86.84	0.61
NVNT	ANT1	802.11ac(VHT80)	5775.00	76.19	1.18

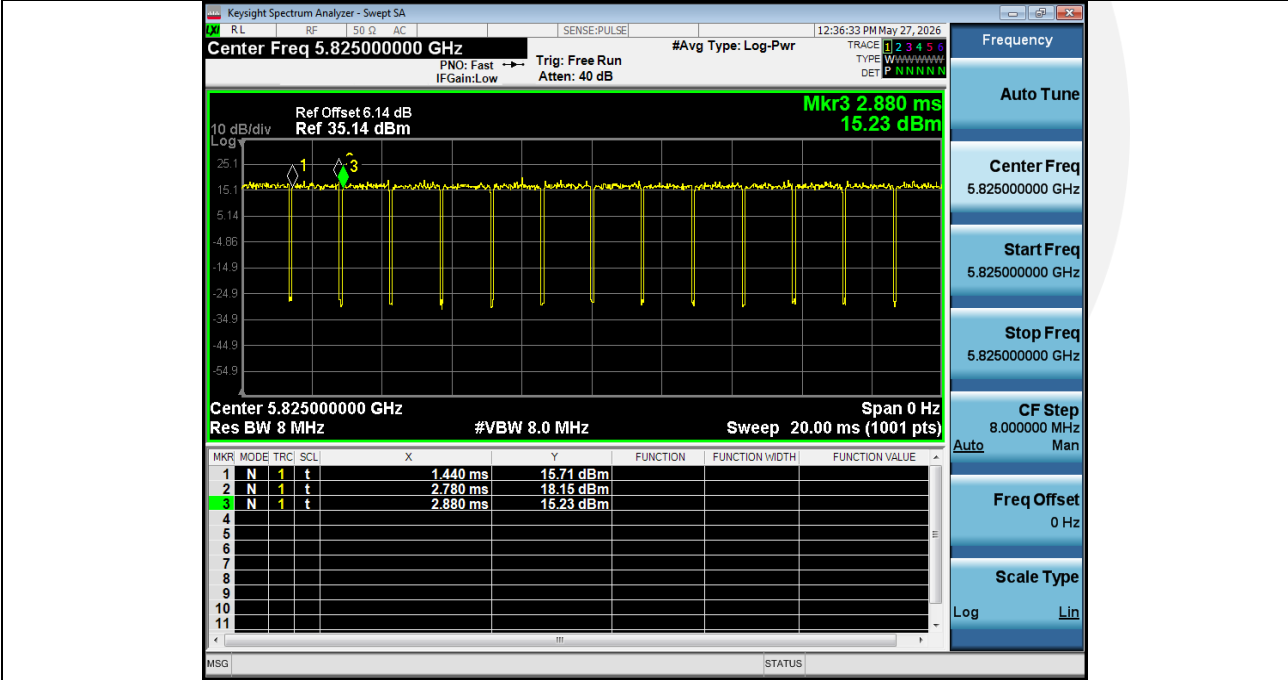
Duty Cycle NVNT_ANT1_802_11a_5745**Duty Cycle NVNT_ANT1_802_11a_5785**



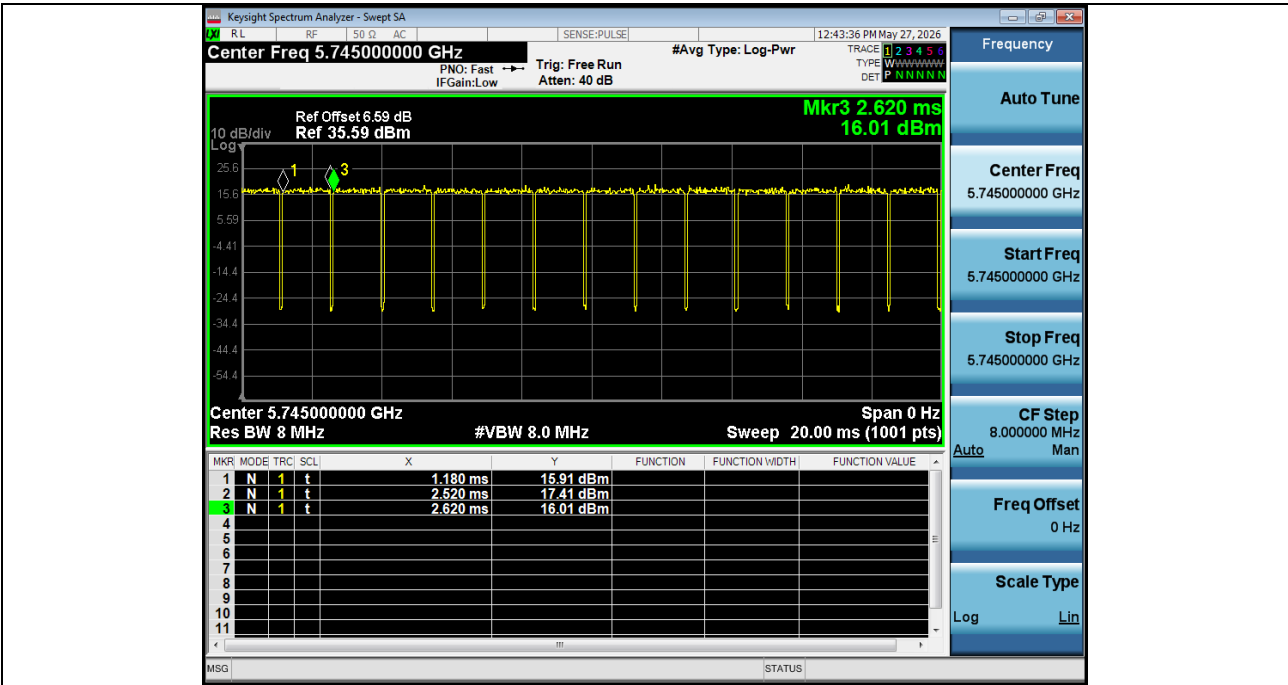
Duty Cycle NVNT_ANT1_802_11n(HT20)_5785



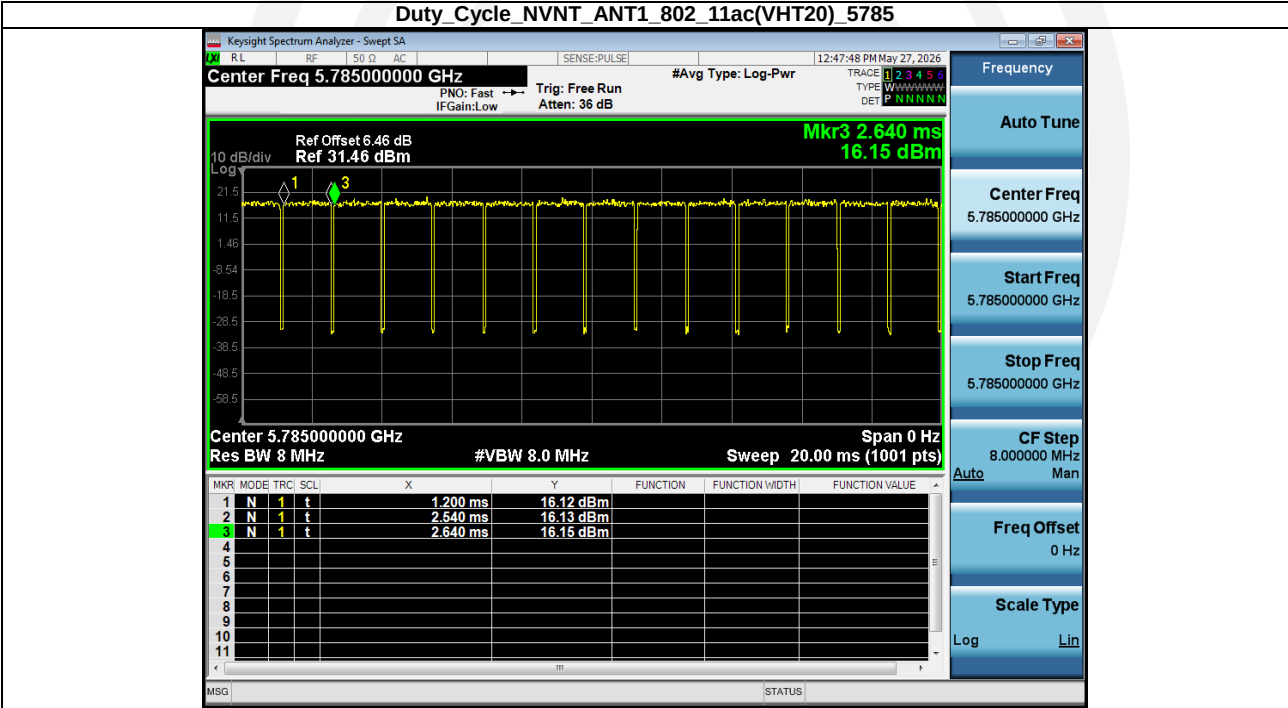
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_5825



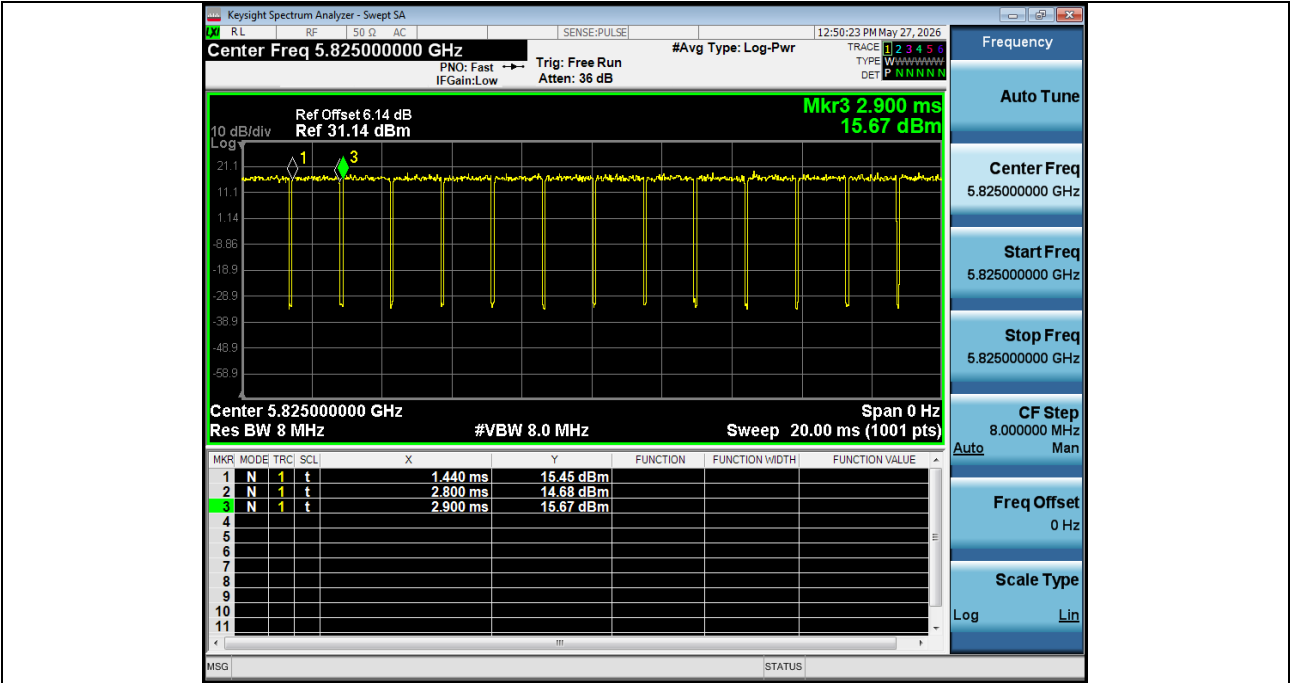
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5745



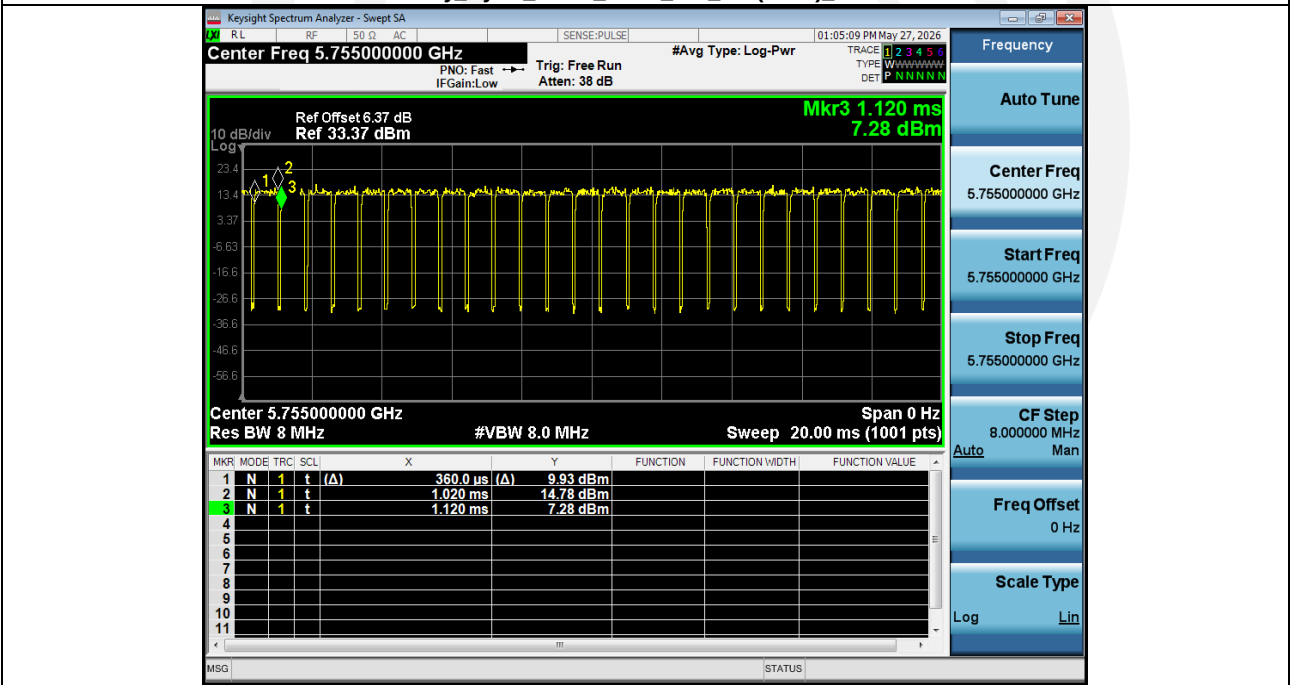
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5785



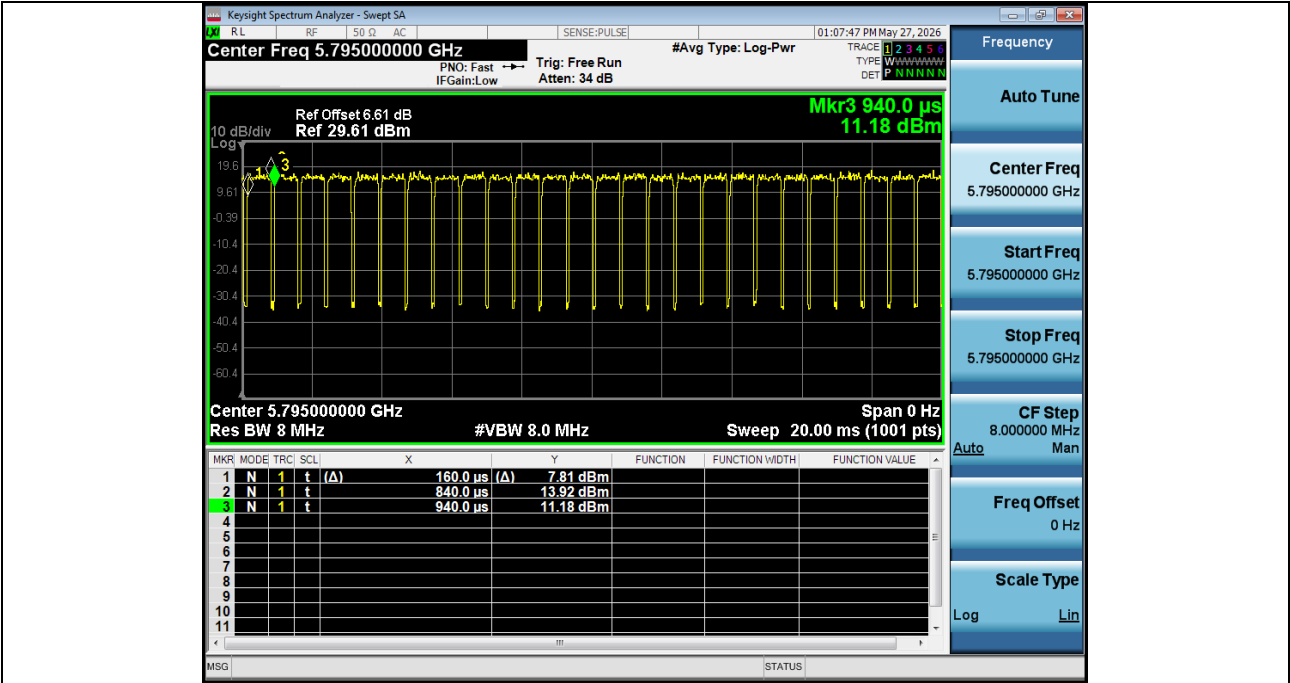
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5825



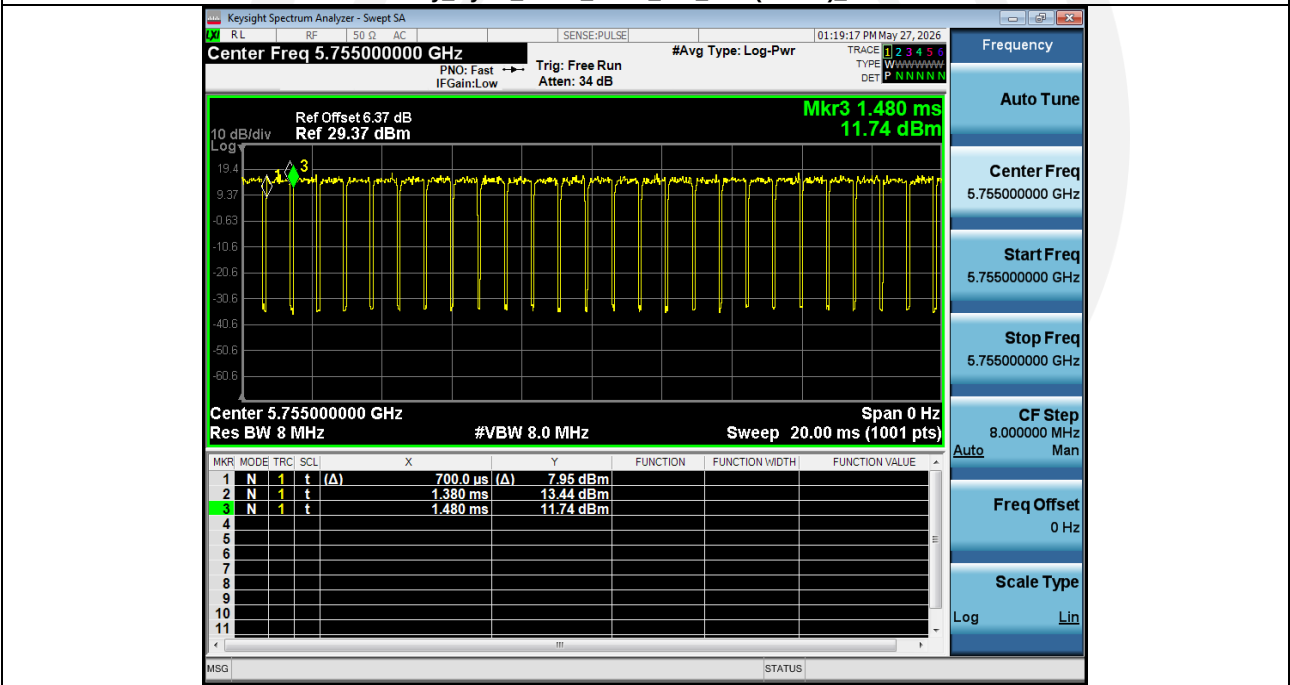
Duty Cycle_NVNT_ANT1_802_11n(HT40)_5755



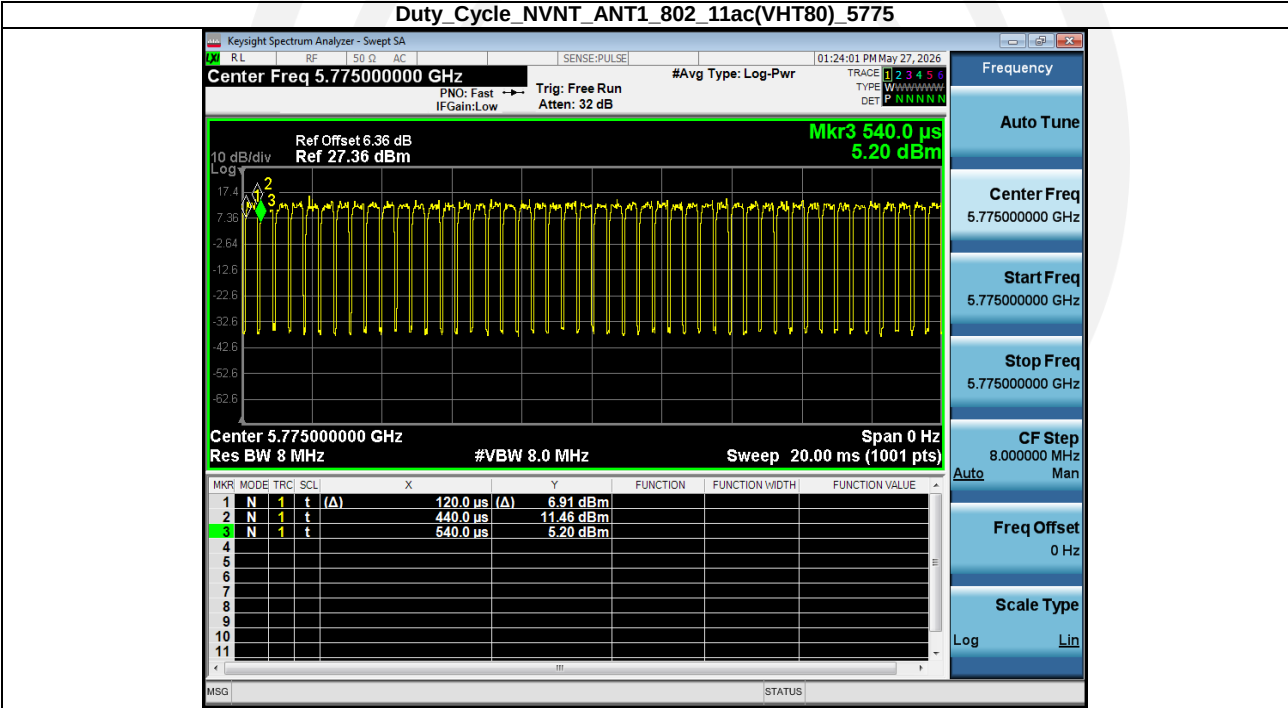
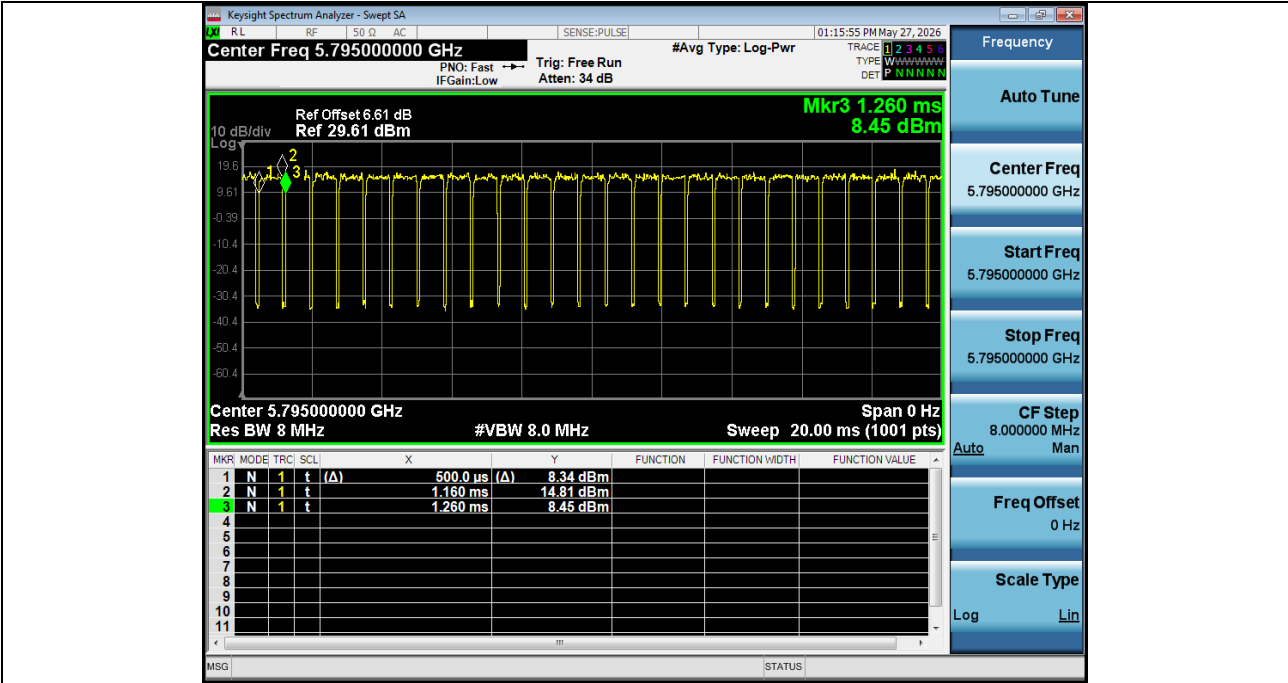
Duty Cycle_NVNT_ANT1_802_11n(HT40)_5795



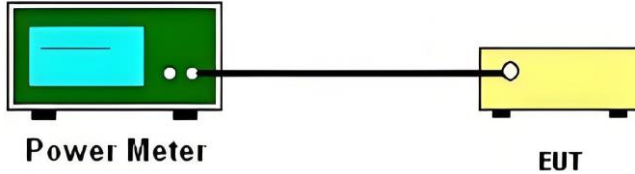
Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5755



Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5795



4.5 Maximum Conducted Output Power

Test Requirement:	FCC Part15 E Section 15.407(a)(1)(iv)-(B1), (a)(3)(i)-(B4)
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	For the band 5.15-5.25GHz, 5.25-5.35GHz, 5.47-5.725GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 250mW. For the band 5.725-5.85GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 1W. For Straddle Channel, According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, If the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance. If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
Test setup:	 The diagram illustrates the test setup. On the left is a green rectangular box labeled 'Power Meter' with a blue screen and two small white circles representing ports. A black cable connects this box to a yellow rectangular box on the right labeled 'EUT' (Equipment Under Test), which has a single white circle representing a port.
Test procedure:	Measurement using an RF average power meter (i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied a) The EUT is configured to transmit continuously or to transmit with a constant duty cycle. b) At all times when the EUT is transmitting, it must be transmitting at its maximum power control level. c) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five. (ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in section B). (iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter. (iv) Adjust the measurement in dBm by adding $10 \log(1/x)$ where x is the duty cycle (e.g., $10 \log(1/0.25)$ if the duty cycle is 25 percent).
Test Instruments:	Refer to section 3.0 for details
Test mode:	Refer to section 2.2 for details
Test results:	Pass

Measurement Data**Band 1 (5150-5250 MHz):**

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	14.86	0.30	15.16	24	Pass
NVNT	ANT1	802.11a	5200.00	14.73	0.30	15.03	24	Pass
NVNT	ANT1	802.11a	5240.00	15.01	0.29	15.30	24	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	14.33	0.00	14.33	24	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	14.05	0.31	14.36	24	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	14.70	0.31	15.01	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	14.25	0.31	14.56	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	13.98	0.31	14.29	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	14.30	0.31	14.61	24	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	13.77	0.61	14.38	24	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	14.27	0.61	14.88	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	13.83	0.60	14.43	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	14.54	0.61	15.15	24	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	13.37	1.18	14.55	24	Pass

Band 4 (5725 – 5850 MHz):

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	13.26	0.00	13.26	30	Pass
NVNT	ANT1	802.11a	5785.00	13.19	0.29	13.48	30	Pass
NVNT	ANT1	802.11a	5825.00	12.56	0.29	12.85	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	13.10	0.00	13.10	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	13.19	0.31	13.50	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	12.52	0.31	12.83	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	13.05	0.00	13.05	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	12.87	0.31	13.18	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	12.41	0.31	12.72	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	12.35	0.00	12.35	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	13.39	0.60	13.99	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	13.01	0.60	13.61	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	13.51	0.61	14.12	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	11.86	1.18	13.04	30	Pass

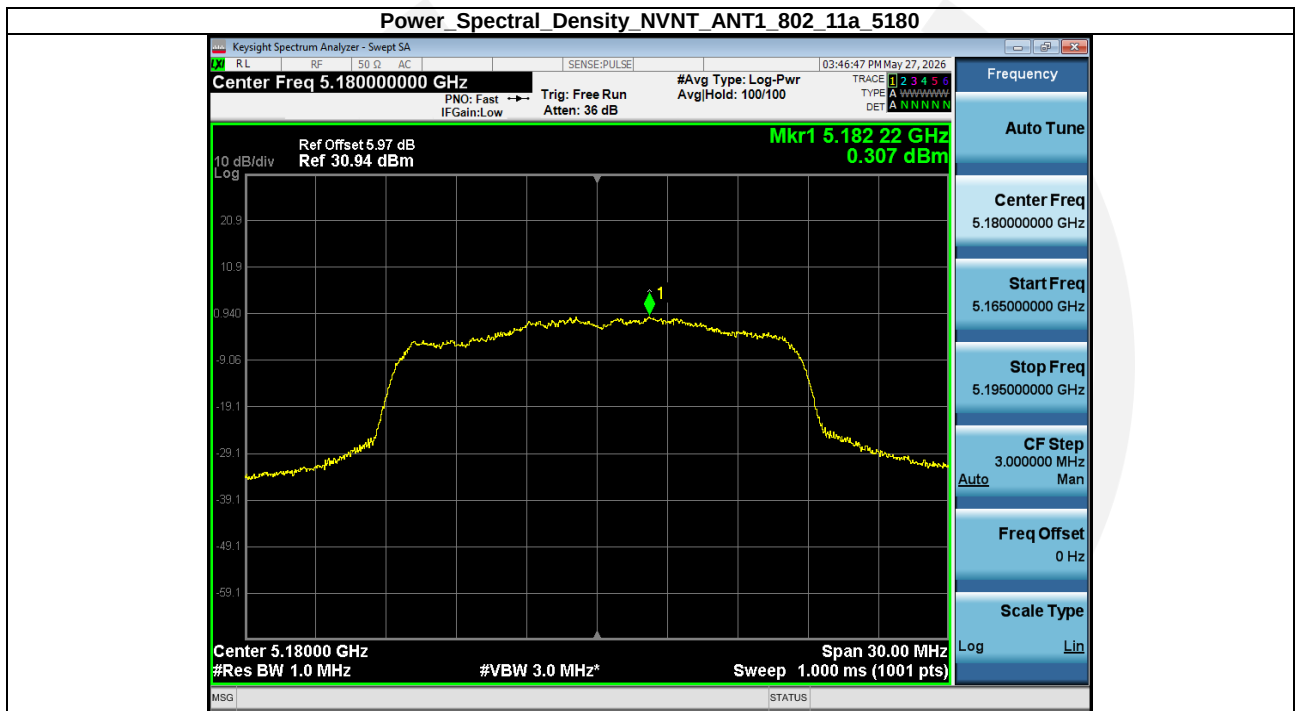
4.6 Power Spectral Density

Test Requirement:	FCC Part15 E Section 15.407(a)(1)(iv)-(B1), (a)(3)(i)-(B4)
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	FCC: $1 \leq 11.00 \text{ dBm/MHz}$ for 5150MHz-5250MHz, 5250-5350MHz and 5470-5725 MHz $2 \leq 30.00 \text{ dBm/500KHz}$ for 5725MHz-5850MHz
Test setup:	 The diagram illustrates the test setup. On the left is a green rectangular device labeled 'Spectrum Analyzer' with a blue screen and two small white circles representing ports. A black cable connects one of these ports to a yellow rectangular device on the right labeled 'EUT' (Equipment Under Test), which has a single white circle representing a port.
Test procedure:	1) Create an average power spectrum for the EUT operating mode being tested by following the instructions in section E2) for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, "Compute power...". 2) Use the peak search function on the instrument to find the peak of the spectrum. 3) Make the following adjustments to the peak value of the spectrum, if applicable: a) If Method SA-2 or SA-2 Alternative was used, add $10 \log(1/x)$, where x is the duty cycle, to the peak of the spectrum. b) If Method SA-3 Alternative was used and the linear mode was used in step E2)g)(viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging. 4) The result is the PSD.
Test Instruments:	Refer to section 3.0 for details
Test mode:	Refer to section 2.2 for details
Test results:	Pass

Measurement Data

Band 1 (5150-5250 MHz):

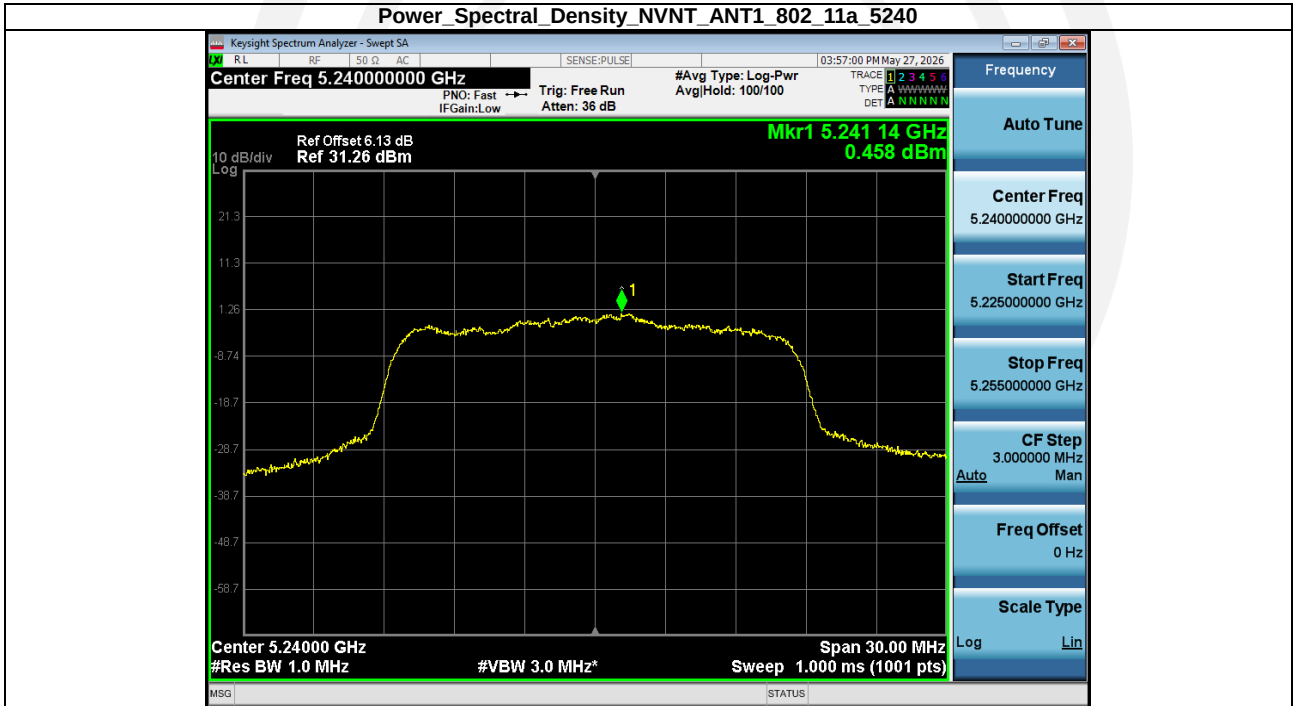
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	0.31	0.30	0.61	11	Pass
NVNT	ANT1	802.11a	5200.00	-0.73	0.30	-0.43	11	Pass
NVNT	ANT1	802.11a	5240.00	0.46	0.29	0.75	11	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	-2.42	0.31	-2.11	11	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	-1.85	0.31	-1.54	11	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	0.38	0.31	0.69	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	-0.72	0.31	-0.41	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	-1.85	0.31	-1.54	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	-2.15	0.31	-1.84	11	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	-5.52	0.61	-4.91	11	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	-5.71	0.61	-5.10	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	-6.27	0.60	-5.67	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	-6.55	0.61	-5.94	11	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	-14.31	1.18	-13.13	11	Pass



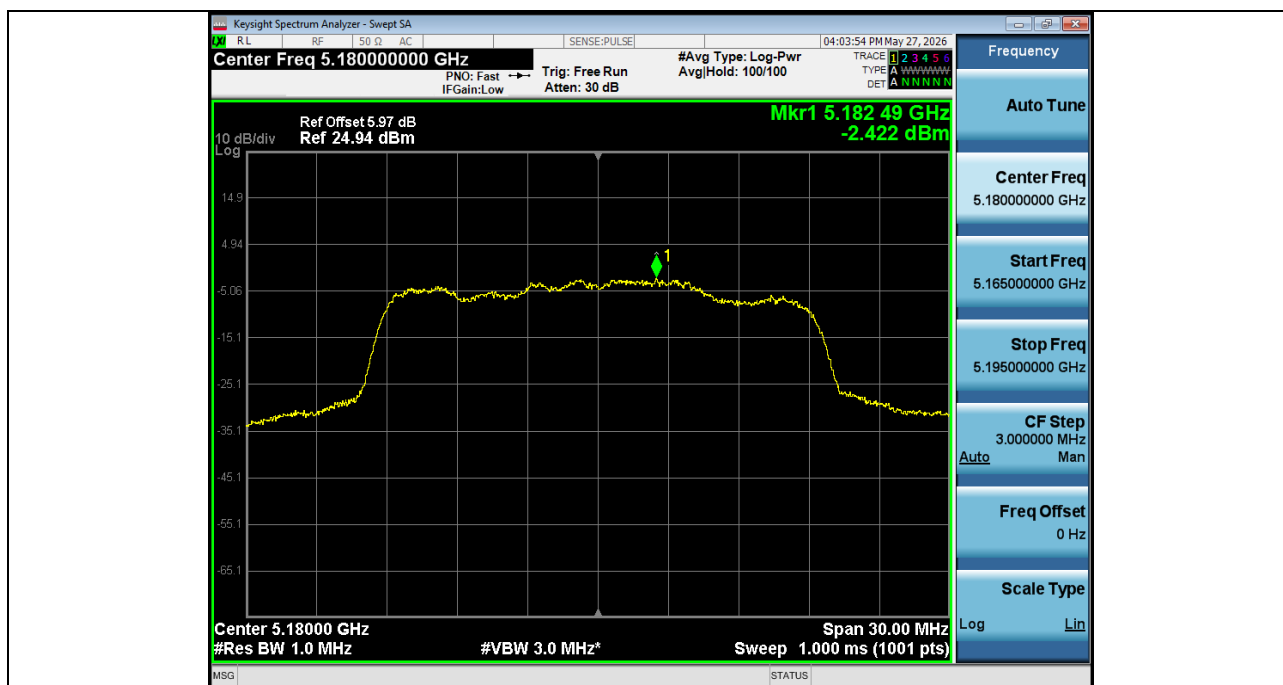
Power Spectral Density NVNT ANT1 802 11a 5200



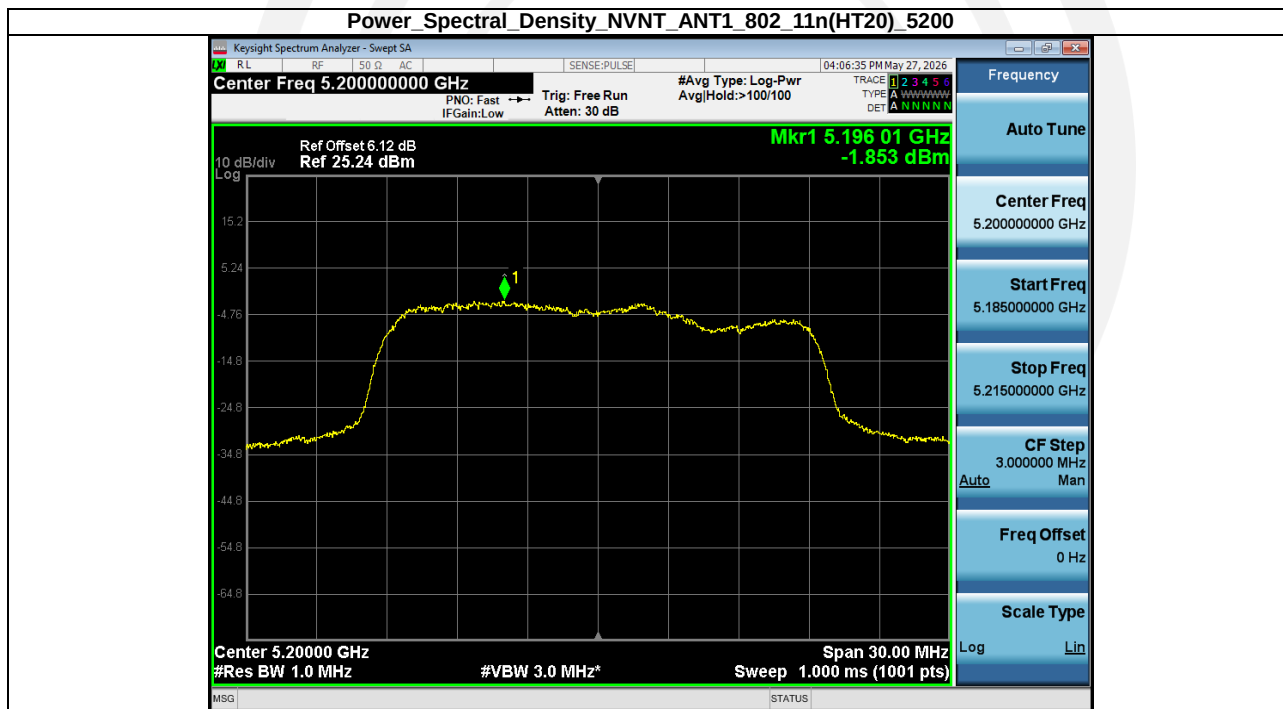
Power Spectral Density NVNT_ANT1_802_11a_5240



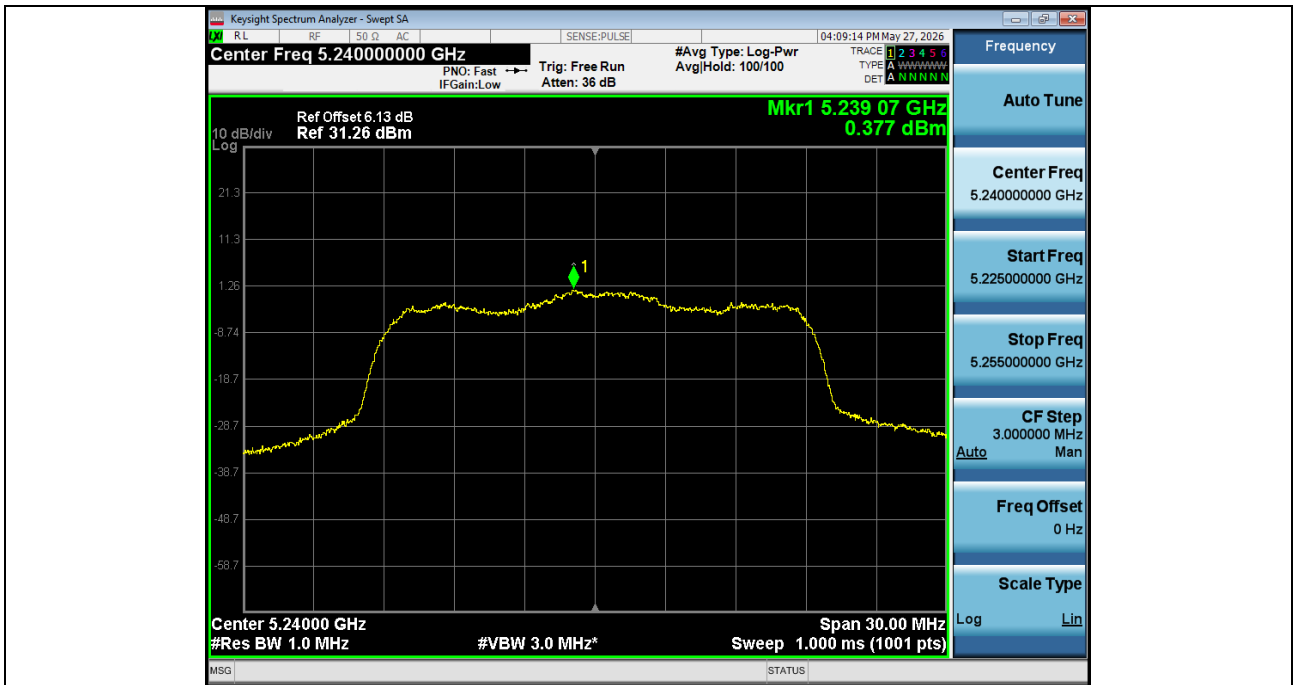
Power Spectral Density NVNT_ANT1_802_11n(HT20)_5180



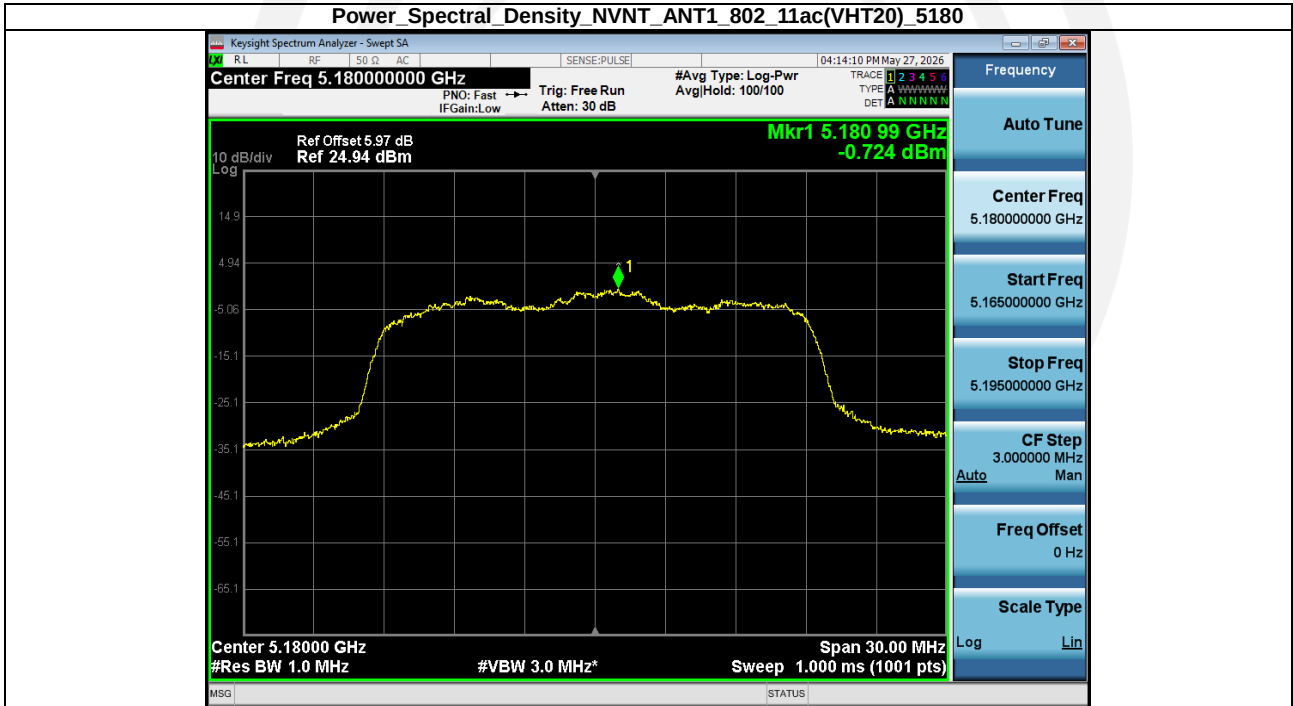
Power Spectral Density NVNT_ANT1_802_11n(HT20)_5200



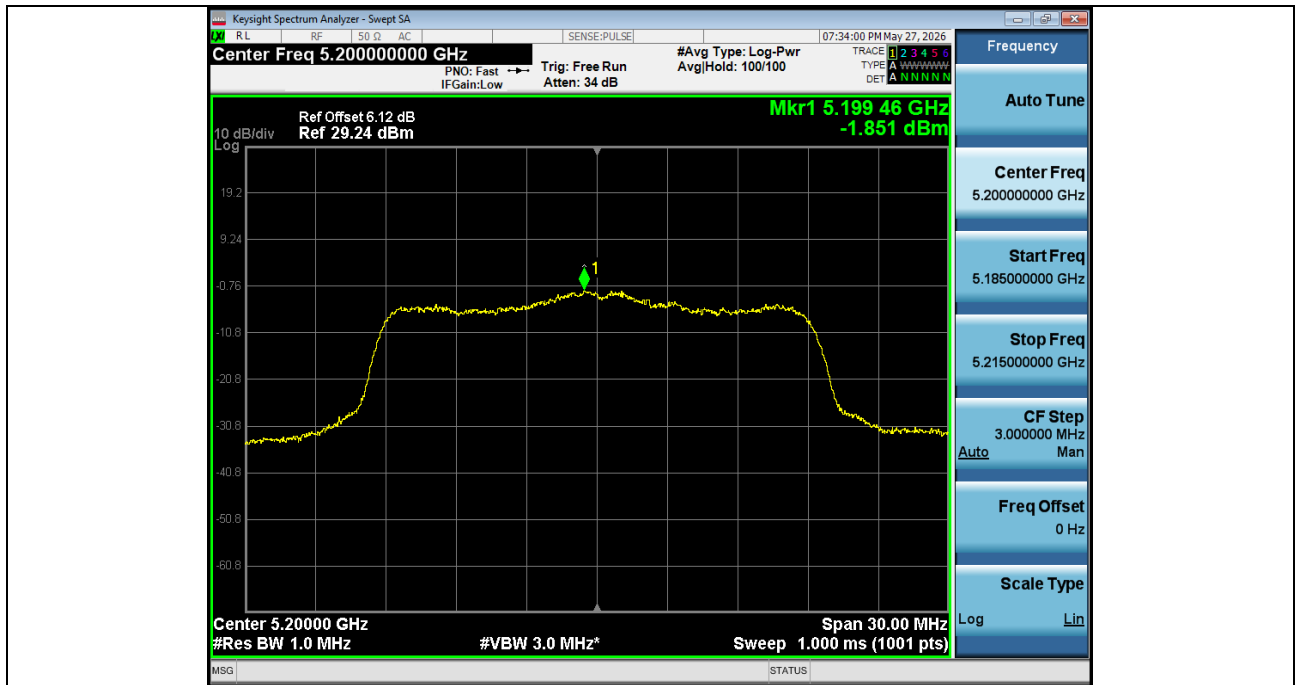
Power Spectral Density NVNT_ANT1_802_11n(HT20)_5240



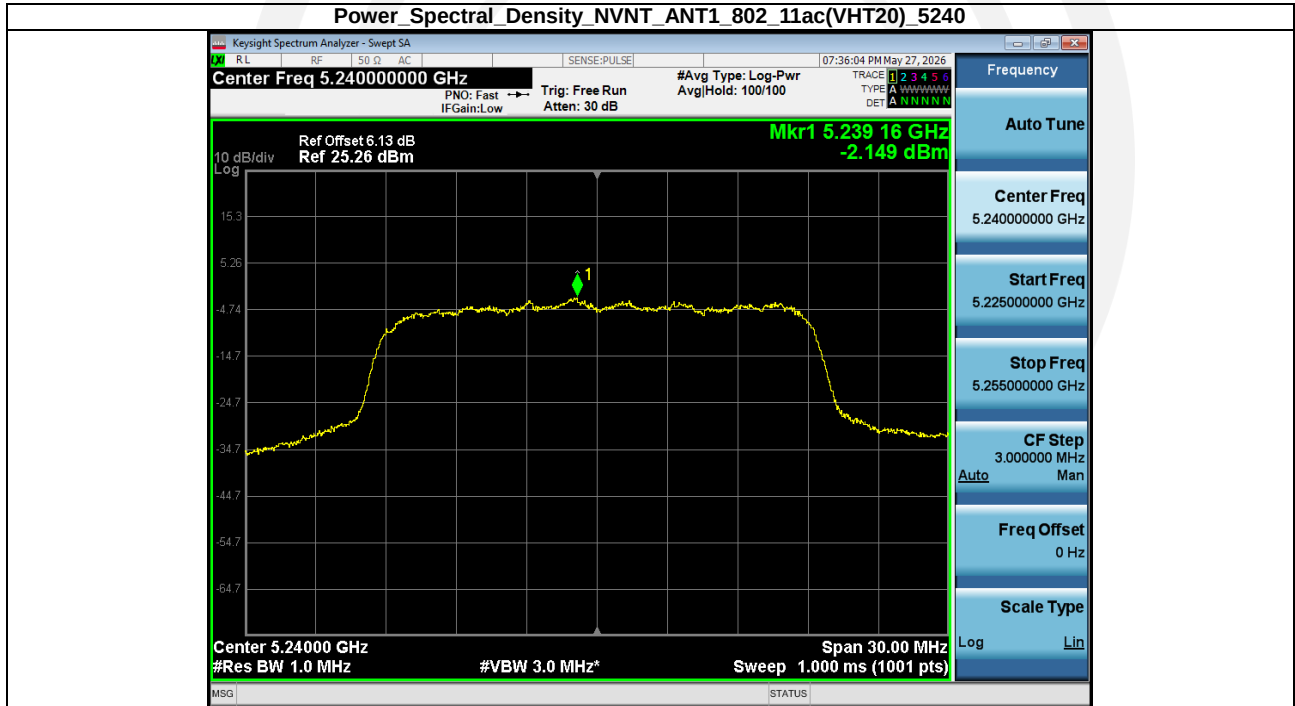
Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5180



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5200



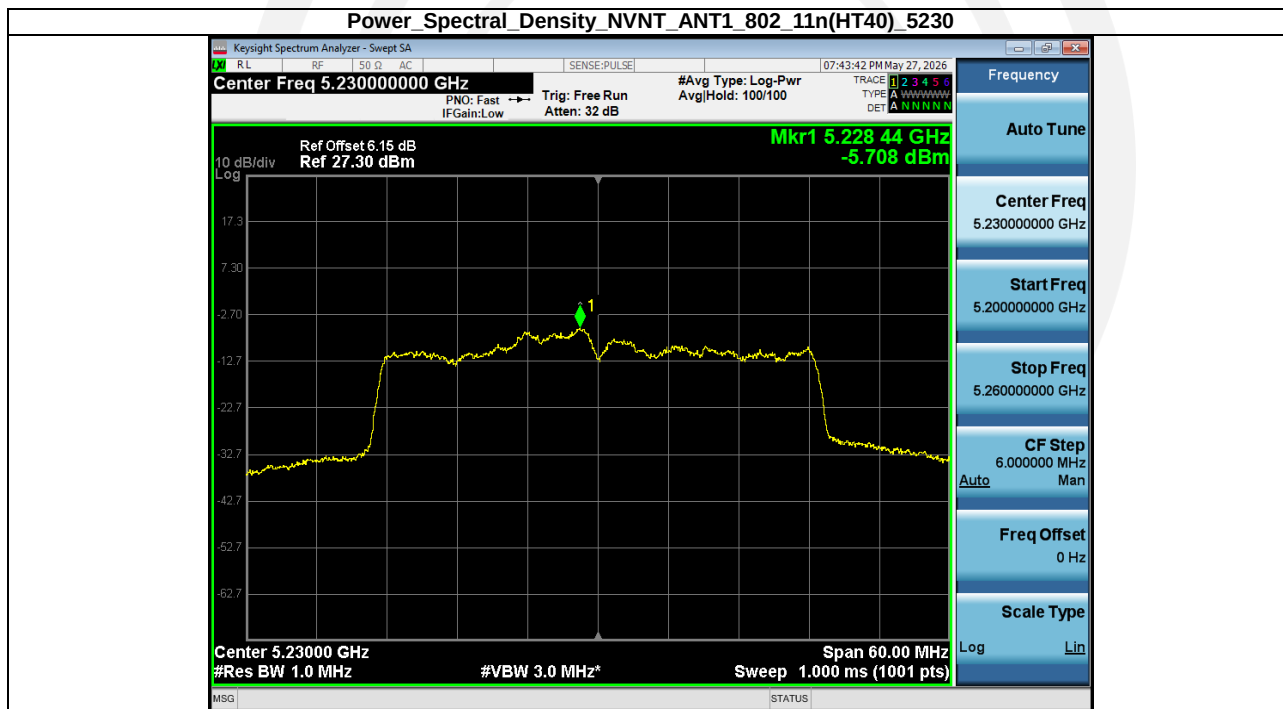
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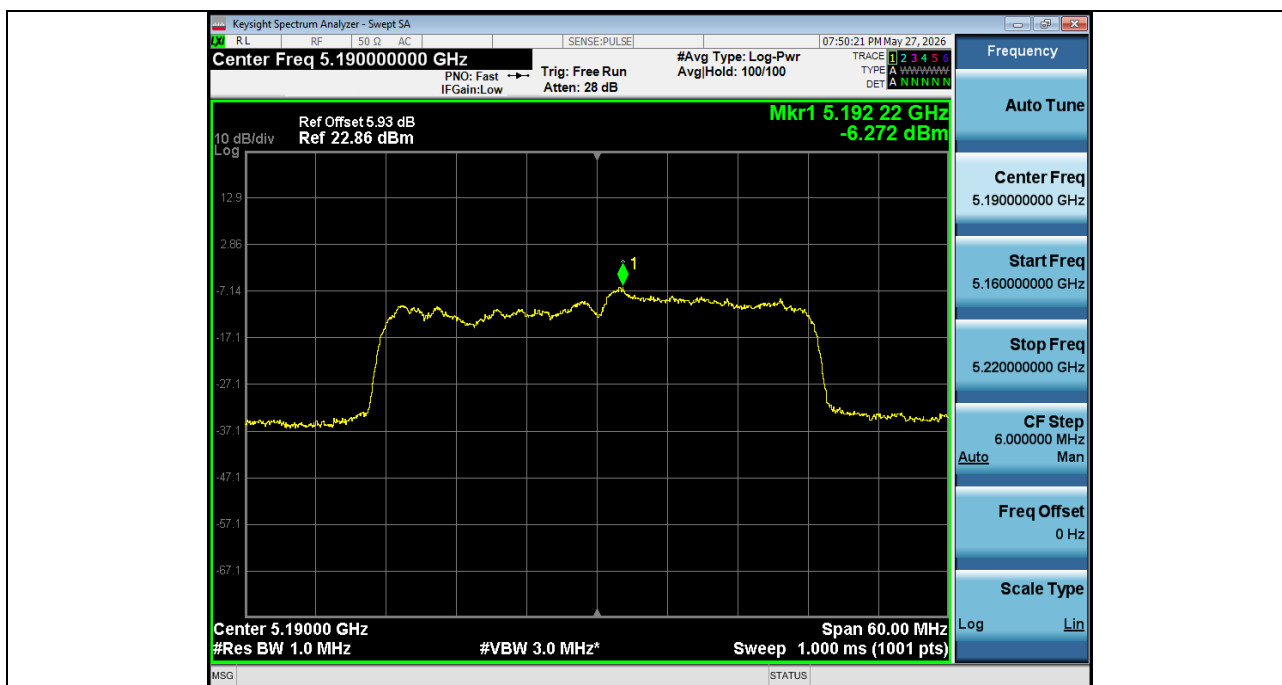
Power Spectral Density NVNT_ANT1_802_11n(HT40)_5190



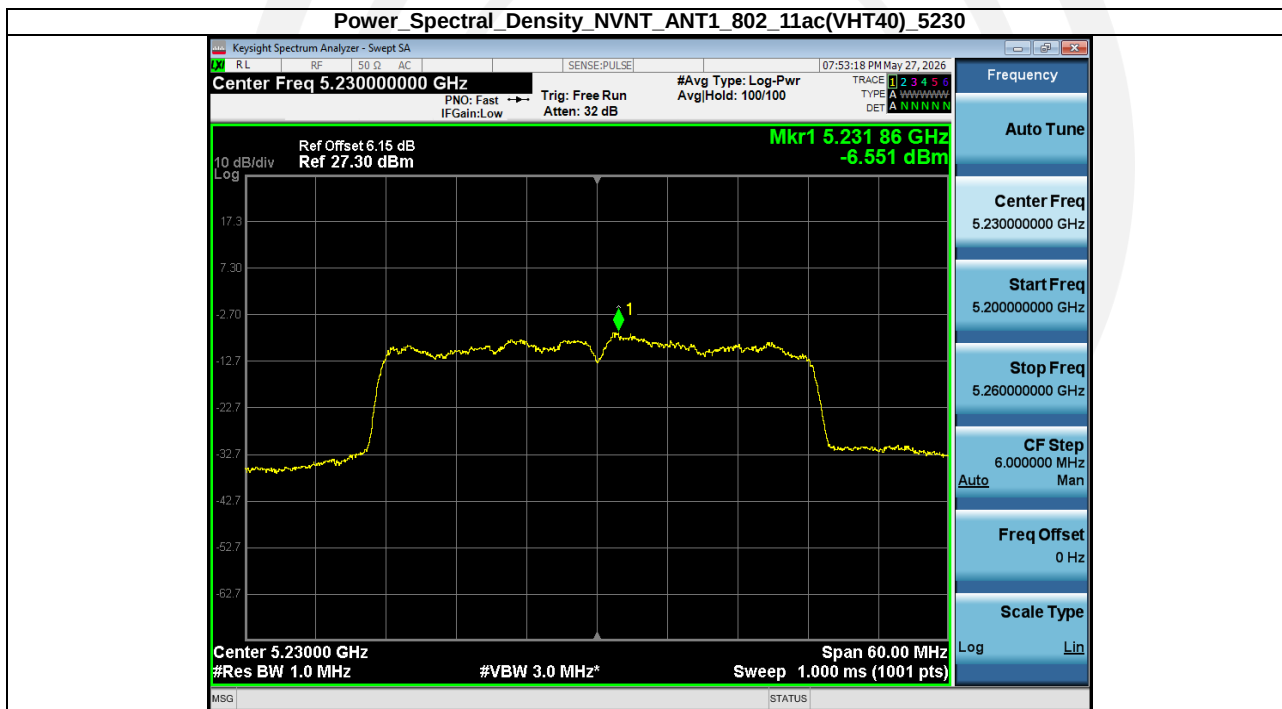
Power Spectral Density NVNT_ANT1_802_11n(HT40)_5230



Power Spectral Density NVNT_ANT1_802_11ac(VHT40)_5190



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT40)_5230



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT80)_5210



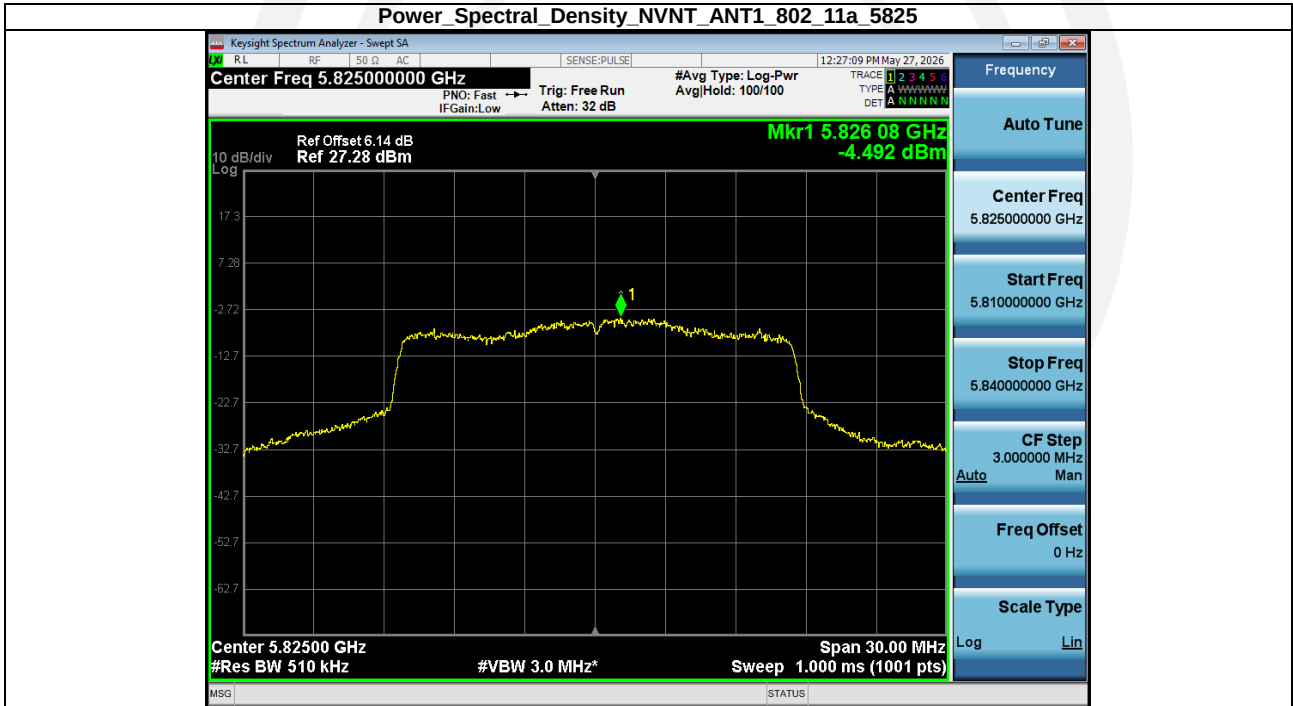
Band 4 (5725 – 5850 MHz):

Condition	Antenna	Modulation	Frequency (MHz)	PSD SA (dBm/RBW)	Duty factor(dB)	RB factor(dB)	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
NVNT	ANT1	802.11a	5745.00	-4.76	0.30	-0	-4.54	30	Pass
NVNT	ANT1	802.11a	5785.00	-4.67	0.29	-0	-4.46	30	Pass
NVNT	ANT1	802.11a	5825.00	-4.49	0.29	-0	-4.29	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	-4.33	0.31	-0	-4.10	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	-4.54	0.31	-0	-4.32	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	-4.88	0.31	-0	-4.66	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	-4.84	0.31	-0	-4.61	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	-5.05	0.31	-0	-4.82	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	-4.87	0.31	-0	-4.64	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	-10.98	0.61	-0	-10.46	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	-11.04	0.60	-0	-10.52	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	-11.48	0.60	-0	-10.96	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	-10.02	0.61	-0	-9.49	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	-20.11	1.18	-0	-19.02	30	Pass

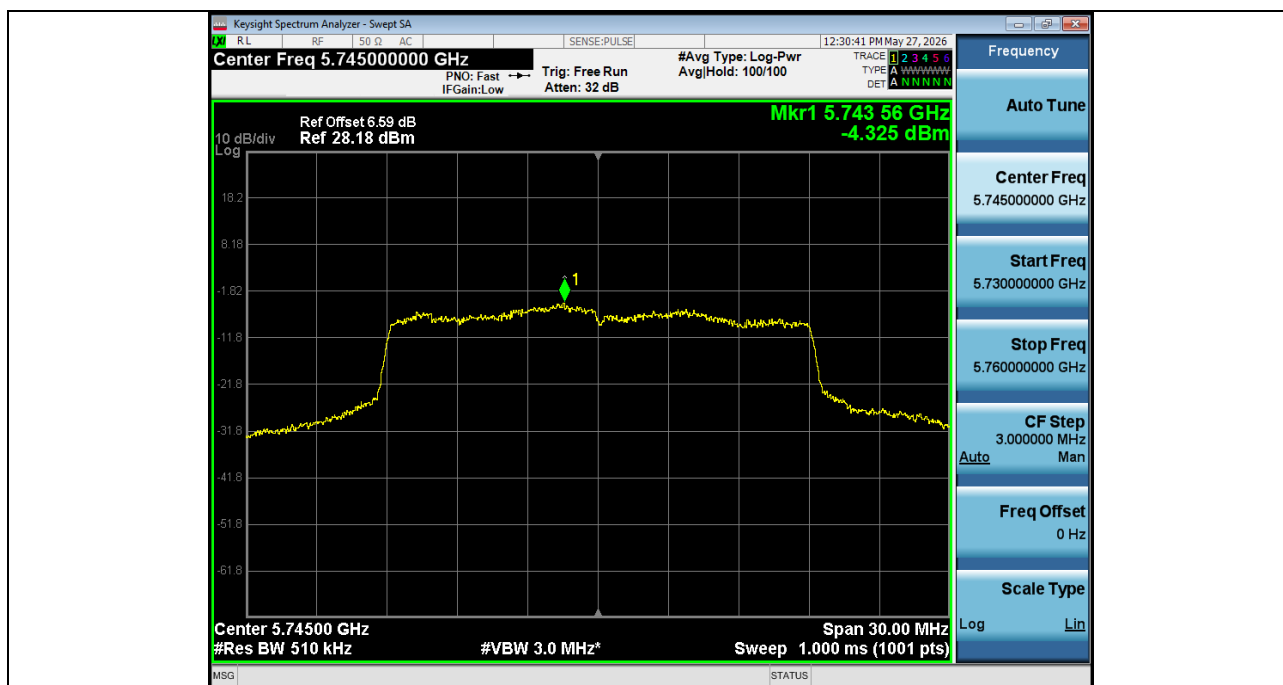
**Power Spectral Density NVNT_ANT1_802_11a_5785**



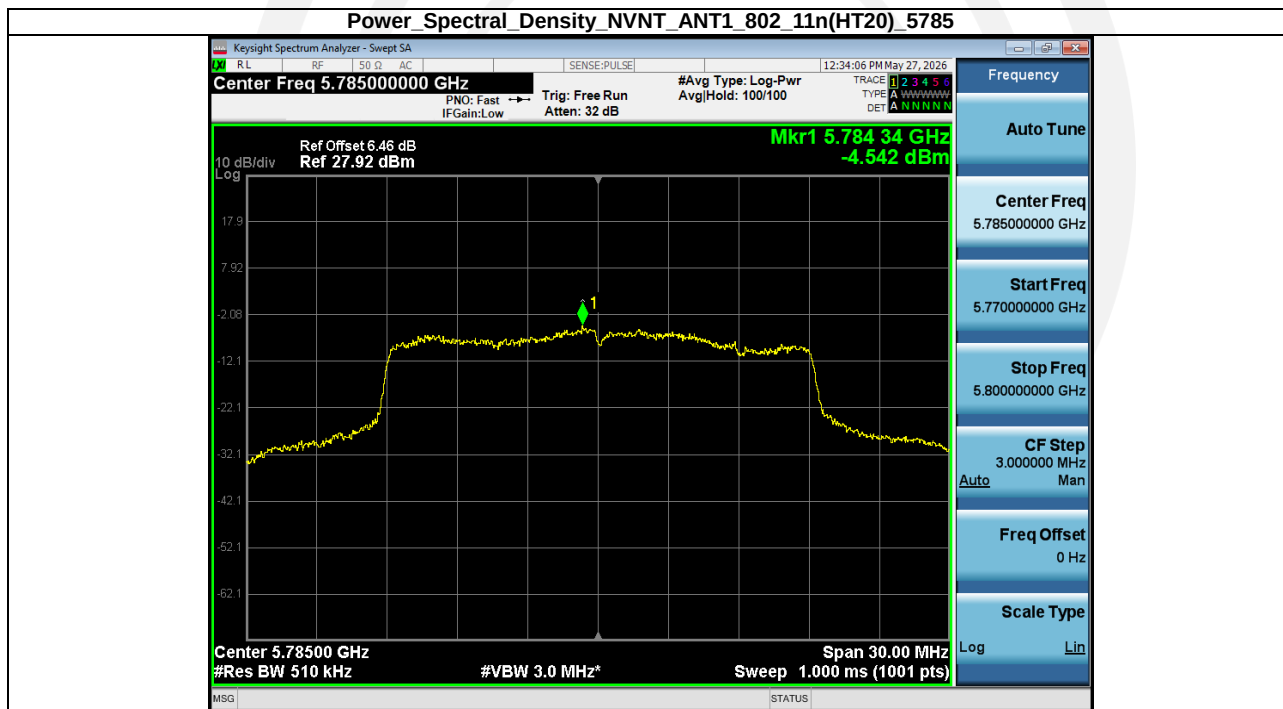
Power Spectral Density NVNT_ANT1_802_11a_5825



Power Spectral Density NVNT_ANT1_802_11n(HT20)_5745



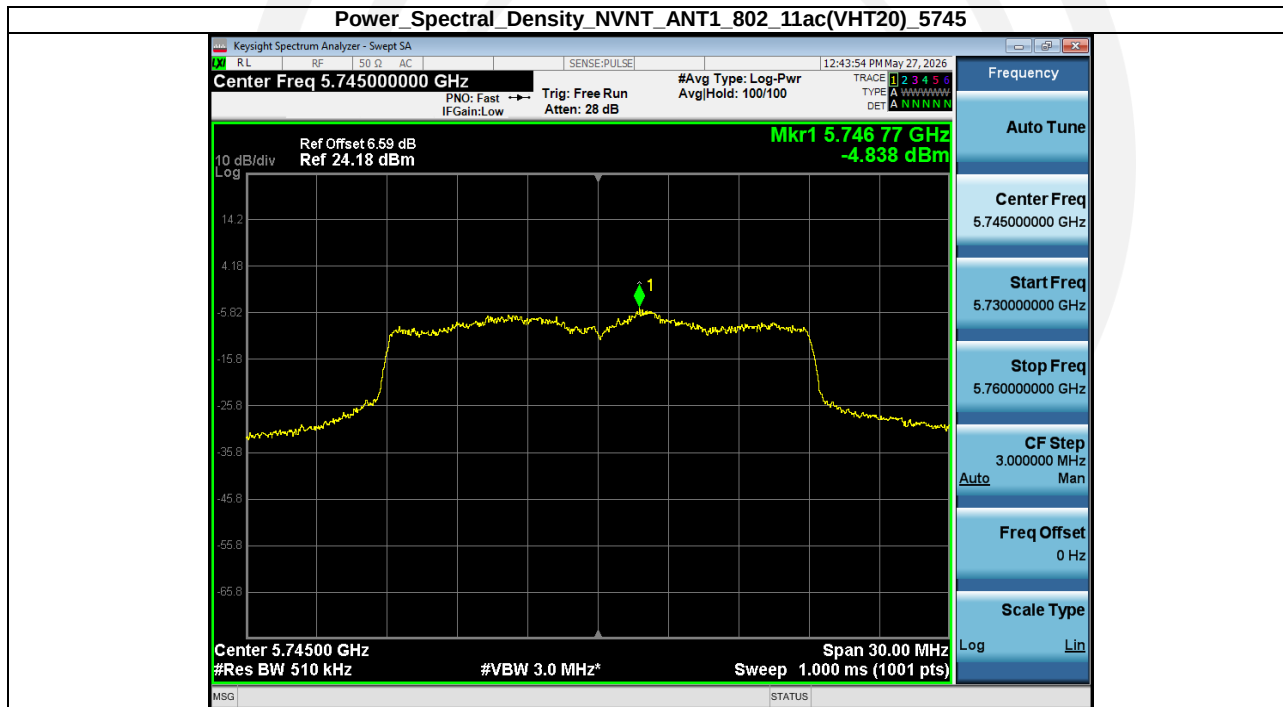
Power Spectral Density NVNT_ANT1_802_11n(HT20)_5785



Power Spectral Density NVNT_ANT1_802_11n(HT20)_5825



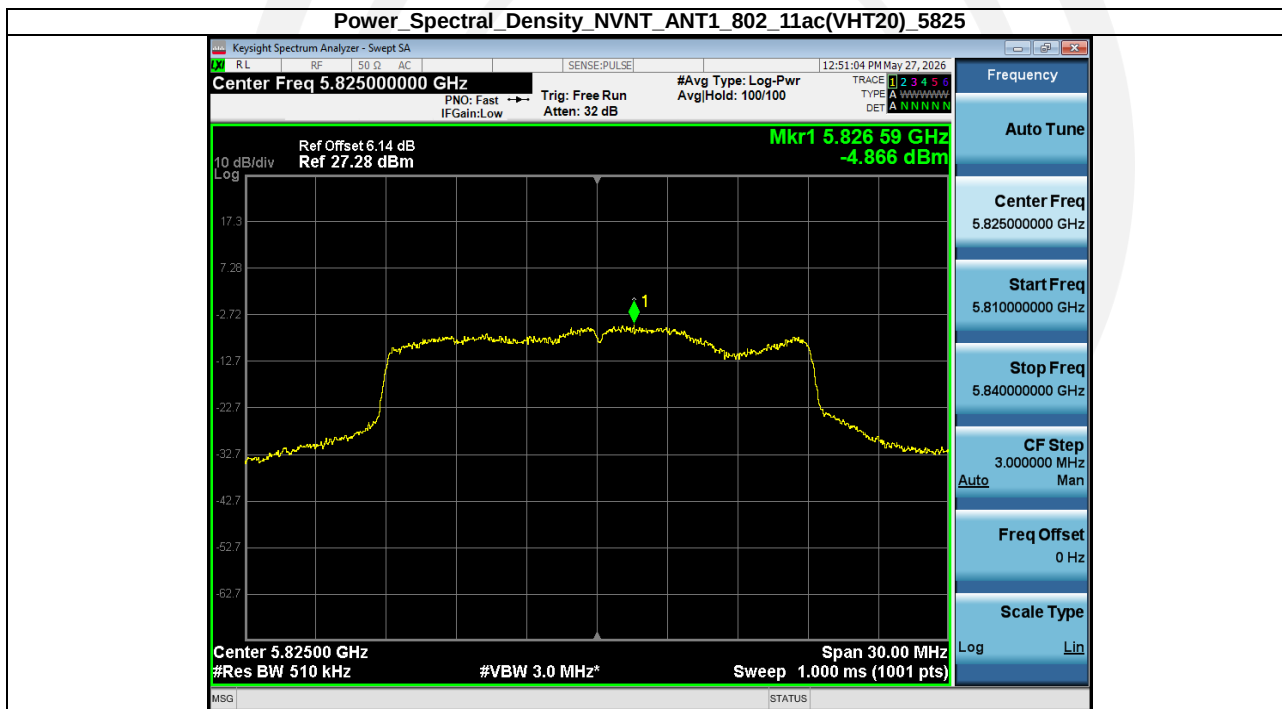
Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5745



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5785



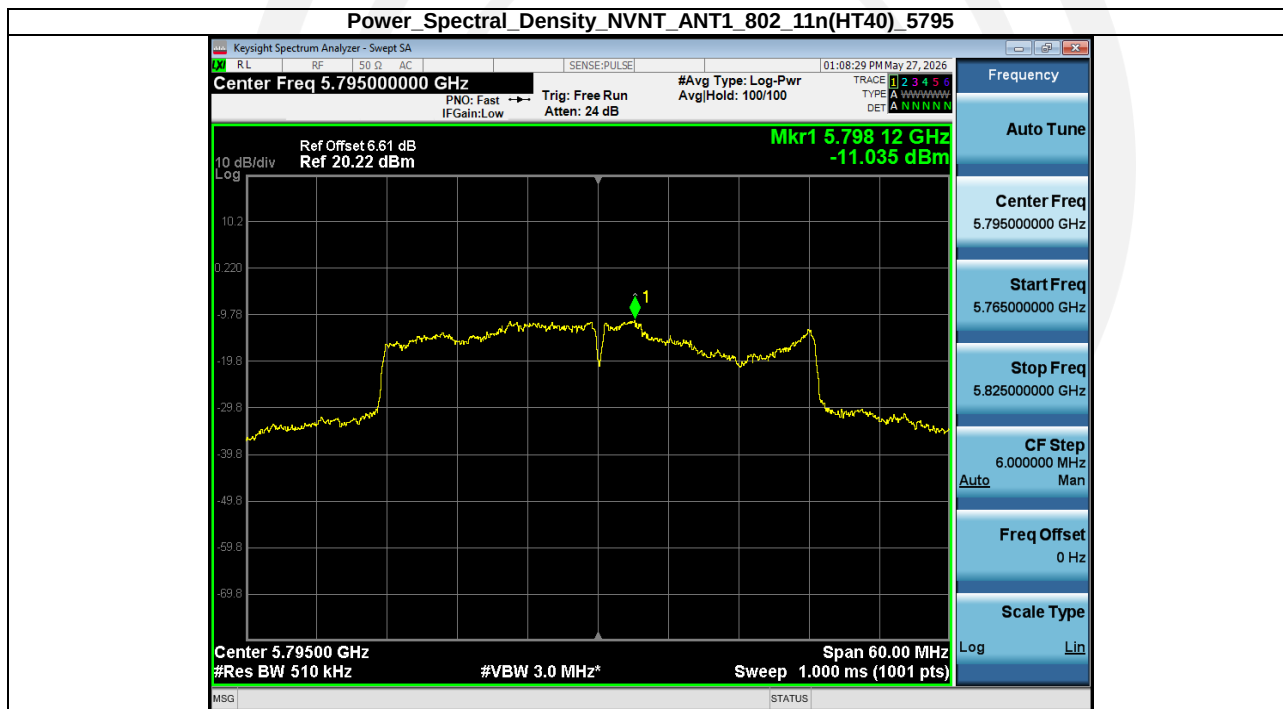
Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5825



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_5755



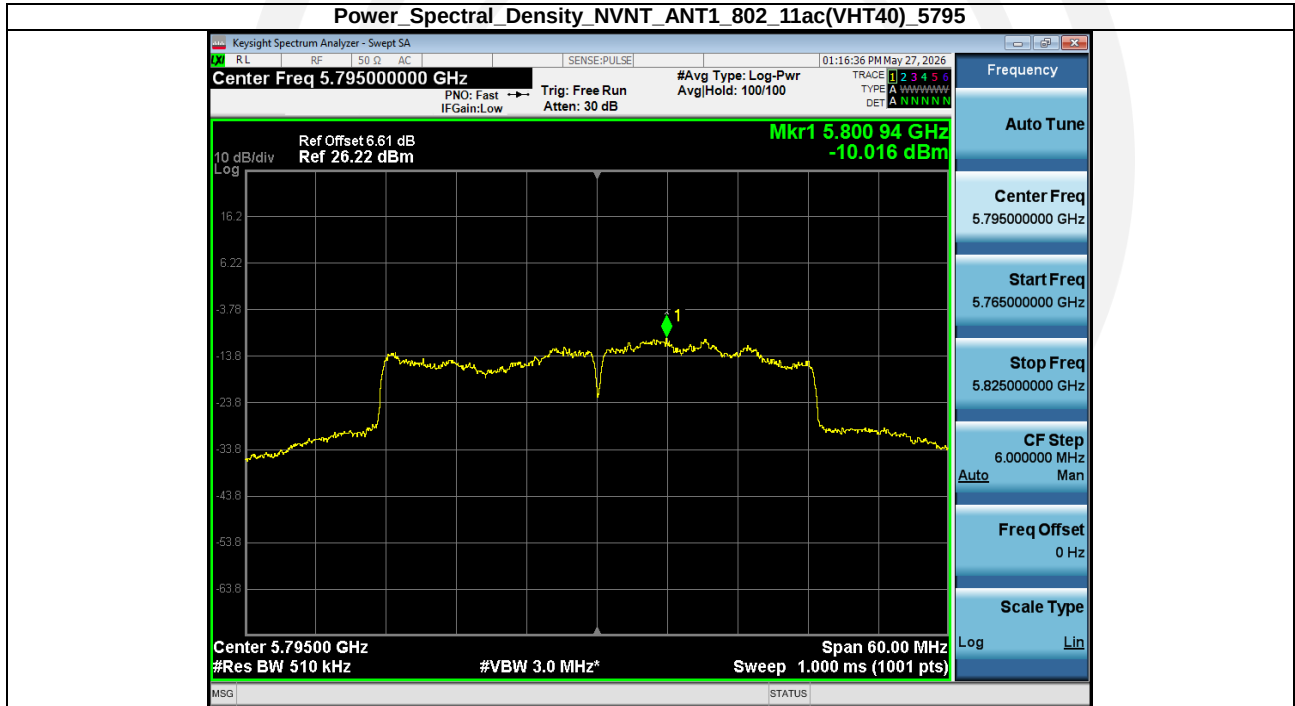
Power Spectral Density NVNT_ANT1_802_11n(HT40)_5795



Power Spectral Density NVNT_ANT1_802_11ac(VHT40)_5755



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT40)_5795

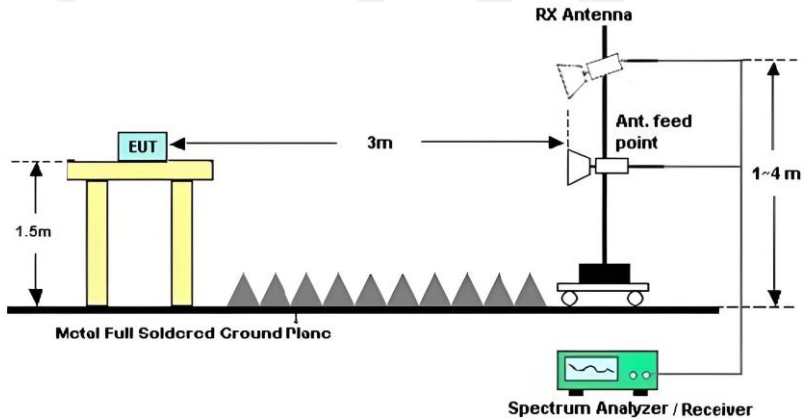


Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT80)_5775



4.7 Band Edge

Test Requirement:	FCC Part15 E Section 15.407 and 15.205, 15.209																																																																																															
Test Method:	ANSI C63.10-2020																																																																																															
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)																																																																																															
Receiver setup:	<table><tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr><tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>100KHz</td><td>300KHz</td><td>Quasi-peak Value</td></tr><tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr><tr><td>AV</td><td>1MHz</td><td>3MHz</td><td>Average Value</td></tr></table>				Frequency	Detector	RBW	VBW	Remark	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value	Above 1GHz	Peak	1MHz	3MHz	Peak Value	AV	1MHz	3MHz	Average Value																																																																									
Frequency	Detector	RBW	VBW	Remark																																																																																												
30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value																																																																																												
Above 1GHz	Peak	1MHz	3MHz	Peak Value																																																																																												
	AV	1MHz	3MHz	Average Value																																																																																												
Limit:	<table><tr><td>Frequency</td><td>Limit (dBuV/m @3m)</td><td>Remark</td></tr><tr><td>30MHz-88MHz</td><td>40.0</td><td>Quasi-peak Value</td></tr><tr><td>88MHz-216MHz</td><td>43.5</td><td>Quasi-peak Value</td></tr><tr><td>216MHz-960MHz</td><td>46.0</td><td>Quasi-peak Value</td></tr><tr><td>960MHz-1GHz</td><td>54.0</td><td>Quasi-peak Value</td></tr><tr><td rowspan="2">Above 1GHz</td><td>54.0</td><td>Average Value</td></tr><tr><td>68.2</td><td>Peak Value</td></tr></table> <table><tr><td>MHz</td><td>MHz</td><td>MHz</td><td>GI</td></tr><tr><td>0.090-0.110</td><td>16.42-16.423</td><td>399.9-410</td><td></td></tr><tr><td>¹ 0.495-0.505</td><td>16.69475-16.69525</td><td>608-614</td><td></td></tr><tr><td>2.1735-2.1905</td><td>16.80425-16.80475</td><td>960-1240</td><td></td></tr><tr><td>4.125-4.128</td><td>25.5-25.67</td><td>1300-1427</td><td></td></tr><tr><td>4.17725-4.17775</td><td>37.5-38.25</td><td>1435-1626.5</td><td></td></tr><tr><td>4.20725-4.20775</td><td>73-74.6</td><td>1645.5-1646.5</td><td></td></tr><tr><td>6.215-6.218</td><td>74.8-75.2</td><td>1660-1710</td><td></td></tr><tr><td>6.26775-6.26825</td><td>108-121.94</td><td>1718.8-1722.2</td><td></td></tr><tr><td>6.31175-6.31225</td><td>123-138</td><td>2200-2300</td><td></td></tr><tr><td>8.291-8.294</td><td>149.9-150.05</td><td>2310-2390</td><td></td></tr><tr><td>8.362-8.366</td><td>156.52475-156.52525</td><td>2483.5-2500</td><td></td></tr><tr><td>8.37625-8.38675</td><td>156.7-156.9</td><td>2690-2900</td><td></td></tr><tr><td>8.41425-8.41475</td><td>162.0125-167.17</td><td>3260-3267</td><td></td></tr><tr><td>12.29-12.293</td><td>167.72-173.2</td><td>3332-3339</td><td></td></tr><tr><td>12.51975-12.52025</td><td>240-285</td><td>3345.8-3358</td><td></td></tr><tr><td>12.57675-12.57725</td><td>322-335.4</td><td>3600-4400</td><td></td></tr><tr><td>13.36-13.41.</td><td></td><td></td><td></td></tr></table> ¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz. ² Above 38.6 Undesirable emission limits: (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 EIRP of -27 dBm/MHz. (2) 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 EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band. (3) 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 EIRP of -27 dBm/MHz. (4) For transmitters operating in the 5.725-5.85 GHz band: 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. Note: dBuV/m(at 3M) = EIRP(dBm) + 95.2. Peak Limit = -27dBm/MHz + 95.2 = 68.2 dBuV/m				Frequency	Limit (dBuV/m @3m)	Remark	30MHz-88MHz	40.0	Quasi-peak Value	88MHz-216MHz	43.5	Quasi-peak Value	216MHz-960MHz	46.0	Quasi-peak Value	960MHz-1GHz	54.0	Quasi-peak Value	Above 1GHz	54.0	Average Value	68.2	Peak Value	MHz	MHz	MHz	GI	0.090-0.110	16.42-16.423	399.9-410		¹ 0.495-0.505	16.69475-16.69525	608-614		2.1735-2.1905	16.80425-16.80475	960-1240		4.125-4.128	25.5-25.67	1300-1427		4.17725-4.17775	37.5-38.25	1435-1626.5		4.20725-4.20775	73-74.6	1645.5-1646.5		6.215-6.218	74.8-75.2	1660-1710		6.26775-6.26825	108-121.94	1718.8-1722.2		6.31175-6.31225	123-138	2200-2300		8.291-8.294	149.9-150.05	2310-2390		8.362-8.366	156.52475-156.52525	2483.5-2500		8.37625-8.38675	156.7-156.9	2690-2900		8.41425-8.41475	162.0125-167.17	3260-3267		12.29-12.293	167.72-173.2	3332-3339		12.51975-12.52025	240-285	3345.8-3358		12.57675-12.57725	322-335.4	3600-4400		13.36-13.41.			
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Test Procedure:	a. The EUT was placed on the top of a rotating table 1.5 m above the ground at a 3 meter camber. The table was rotated 360 degrees to																																																																																															

	determine the position of the highest radiation. b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
Test setup:	Above 1GHz  The diagram illustrates the test setup. On the left, the EUT (Equipment Under Test) is placed on a stand that is 1.5m high. To the right of the EUT, at a distance of 3m, is a variable-height antenna tower. The RX Antenna is mounted at the top of this tower, with an antenna feed point. The height of the antenna is adjustable, ranging from 1m to 4m. The ground is a Metal Full Soldered Ground Plane. A Spectrum Analyzer / Receiver is connected to the antenna feed point.
Test Instruments:	Refer to section 3.0 for details
Test mode:	Refer to section 2.2 for details
Test results:	Pass

Remark:

According to KDB 789033 D02 v02r01 section G) 1) (d), for For measurements above 1000 MHz @ 3m distance, the limit of field strength is computed as follows:

$$E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2,$$

For example, if EIRP = -27dBm

$$E[\text{dBuV/m}] = -27 + 95.2 = 68.2\text{dBuV/m}.$$

Except for mode a, other modes test the MIMO status.

The test result of SISO mode reflects the worst data between antenna 1 and antenna 2.

Measurement Data:**U-NII-1**

Mode:		802.11a		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	54.37	-13.16	41.21	68.20	-26.99	PK
V	5150.00	57.85	-13.16	44.69	68.20	-23.51	PK
Mode:		802.11a		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	46.52	-13.16	33.36	54.00	-20.64	AV
V	5150.00	45.68	-13.16	32.52	54.00	-21.48	AV
Mode:		802.11a		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	55.42	-12.62	42.80	68.20	-25.40	PK
V	5350.00	58.28	-12.62	45.66	68.20	-22.54	PK
Mode:		802.11a		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	44.63	-12.62	32.01	54.00	-21.99	AV
V	5350.00	48.00	-12.62	35.38	54.00	-18.62	AV

Note: 1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Mode:		802.11n(HT20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	54.28	-13.16	41.12	68.20	-27.08	PK
V	5150.00	56.01	-13.16	42.85	68.20	-25.35	PK
Mode:		802.11n(HT20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	46.49	-13.16	33.33	54.00	-20.67	AV
V	5150.00	47.09	-13.16	33.93	54.00	-20.07	AV
Mode:		802.11n(HT20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	56.61	-12.62	43.99	68.20	-24.21	PK
V	5350.00	55.53	-12.62	42.91	68.20	-25.29	PK
Mode:		802.11n(HT20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	46.73	-12.62	34.11	54.00	-19.89	AV
V	5350.00	47.54	-12.62	34.92	54.00	-19.08	AV

Note: 1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Mode:		802.11ac(HT20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	55.39	-13.16	42.23	68.20	-25.97	PK
V	5150.00	57.25	-13.16	44.09	68.20	-24.11	PK
Mode:		802.11ac(HT20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	46.54	-13.16	33.38	54.00	-20.62	AV
V	5150.00	47.69	-13.16	34.53	54.00	-19.47	AV
Mode:		802.11ac(HT20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	55.56	-12.62	42.94	68.20	-25.26	PK
V	5350.00	58.03	-12.62	45.41	68.20	-22.79	PK
Mode:		802.11ac(HT20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	46.76	-12.62	34.14	54.00	-19.86	AV
V	5350.00	45.46	-12.62	32.84	54.00	-21.16	AV

Note: 1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Mode:		802.11n(HT40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	55.39	55.06	-13.16	41.90	68.20	PK
V	5150.00	57.93	56.77	-13.16	43.61	68.20	PK
Mode:		802.11n(HT40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	47.63	-13.16	34.47	54.00	-19.53	AV
V	5150.00	49.13	-13.16	35.97	54.00	-18.03	AV
Mode:		802.11n(HT40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	56.02	-12.62	43.40	68.20	-24.80	PK
V	5350.00	57.76	-12.62	45.14	68.20	-23.06	PK
Mode:		802.11n(HT40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	45.19	-12.62	32.57	54.00	-21.43	AV
V	5350.00	48.68	-12.62	36.06	54.00	-17.94	AV

Note: 1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Mode:		802.11ac(HT40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	55.98	-13.16	42.82	68.20	-25.38	PK
V	5150.00	56.28	-13.16	43.12	68.20	-25.08	PK
Mode:		802.11ac(HT40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	45.97	-13.16	32.81	54.00	-21.19	AV
V	5150.00	45.60	-13.16	32.44	54.00	-21.56	AV
Mode:		802.11ac(HT40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	56.47	-12.62	43.85	68.20	-24.35	PK
V	5350.00	58.60	-12.62	45.98	68.20	-22.22	PK
Mode:		802.11ac(HT40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	47.72	-12.62	35.10	54.00	-18.90	AV
V	5350.00	47.89	-12.62	35.27	54.00	-18.73	AV

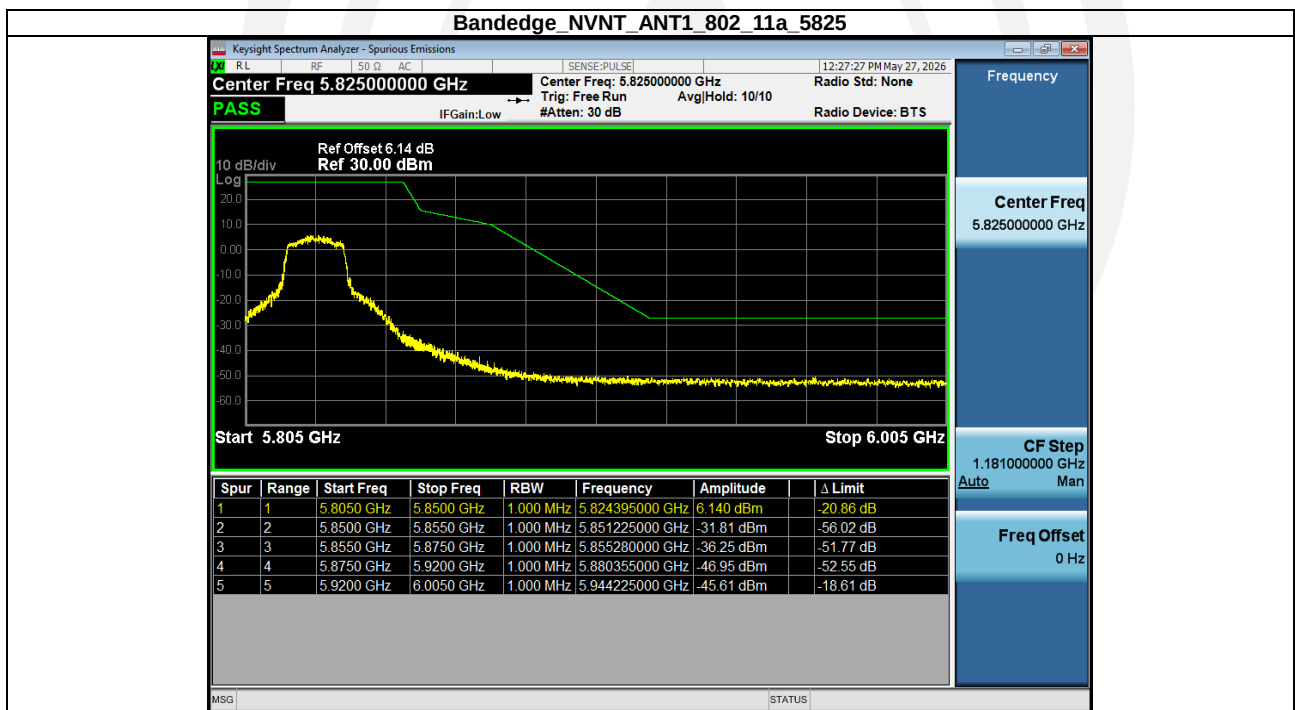
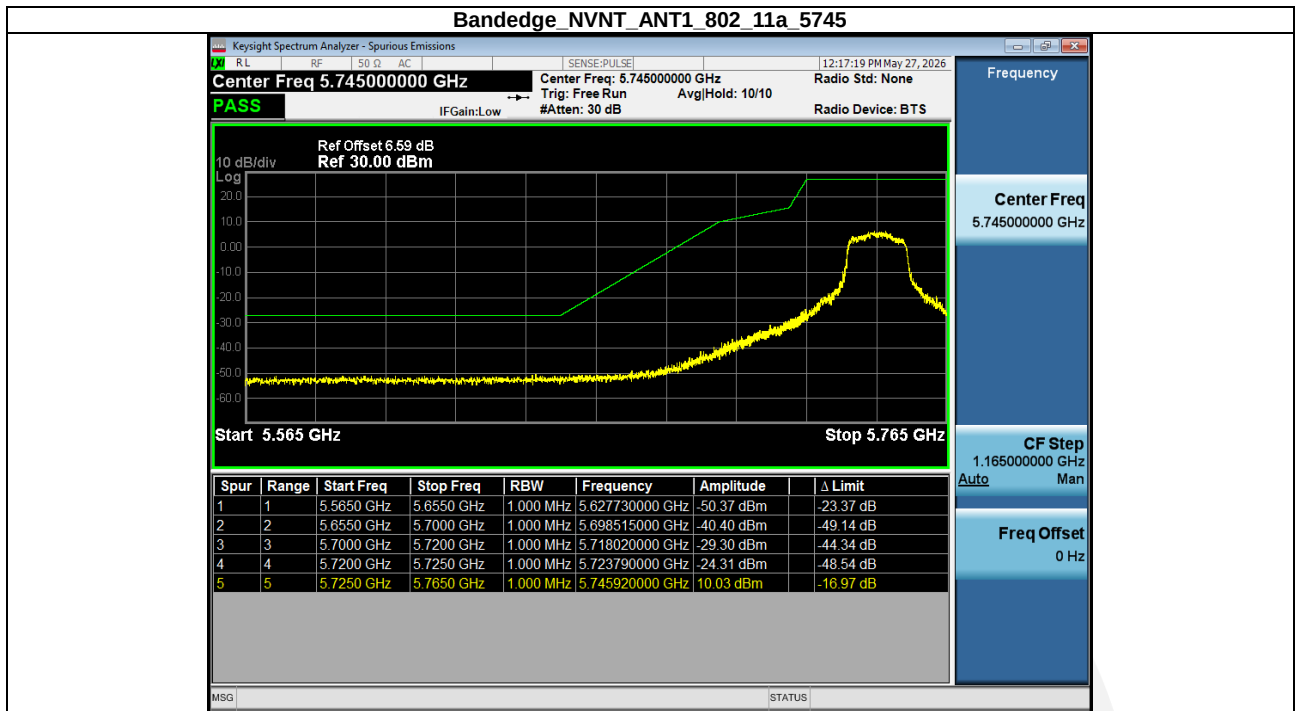
Note: 1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Mode:		802.11ac(HT80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	54.52	-13.16	41.36	68.20	-26.84	PK
V	5150.00	56.18	-13.16	43.02	68.20	-25.18	PK
Mode:		802.11ac(HT80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	45.04	-13.16	31.88	54.00	-22.12	AV
V	5150.00	45.55	-13.16	32.39	54.00	-21.61	AV
Mode:		802.11ac(HT80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	54.71	-12.62	42.09	68.20	-26.11	PK
V	5350.00	55.68	-12.62	43.06	68.20	-25.14	PK
Mode:		802.11ac(HT80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	48.18	-12.62	35.56	54.00	-18.44	AV
V	5350.00	48.68	-12.62	36.06	54.00	-17.94	AV

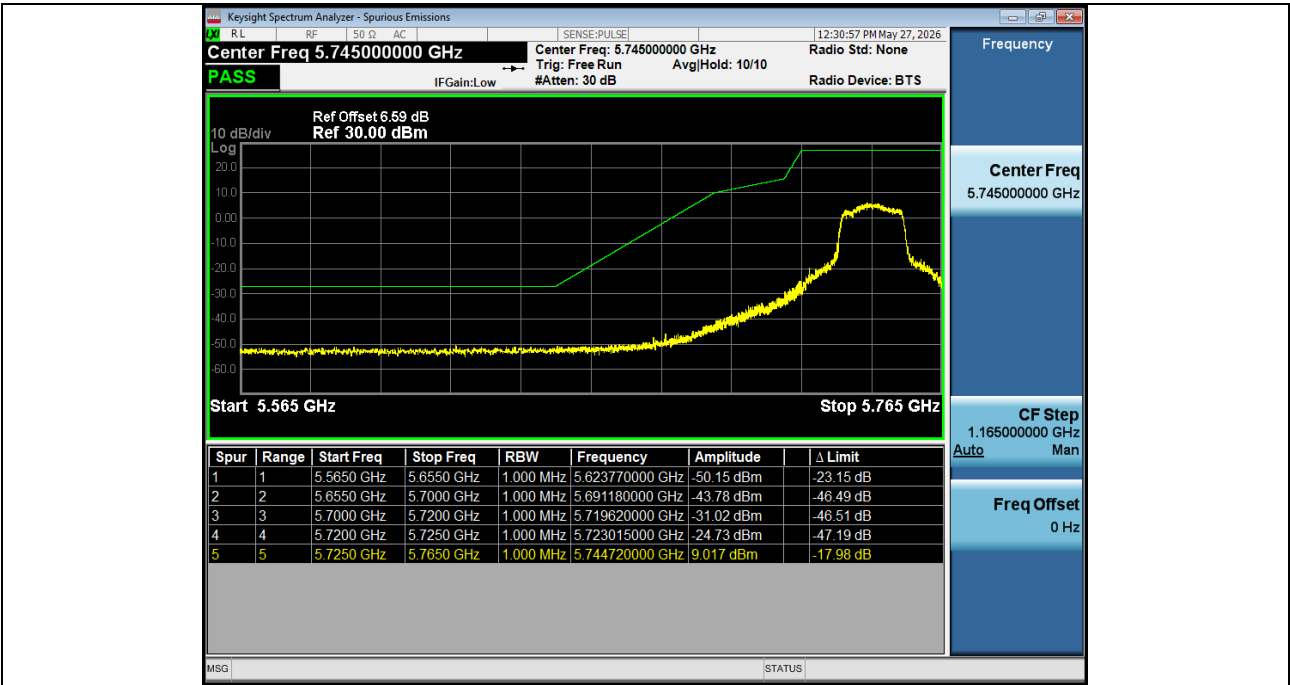
Note: 1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Band4

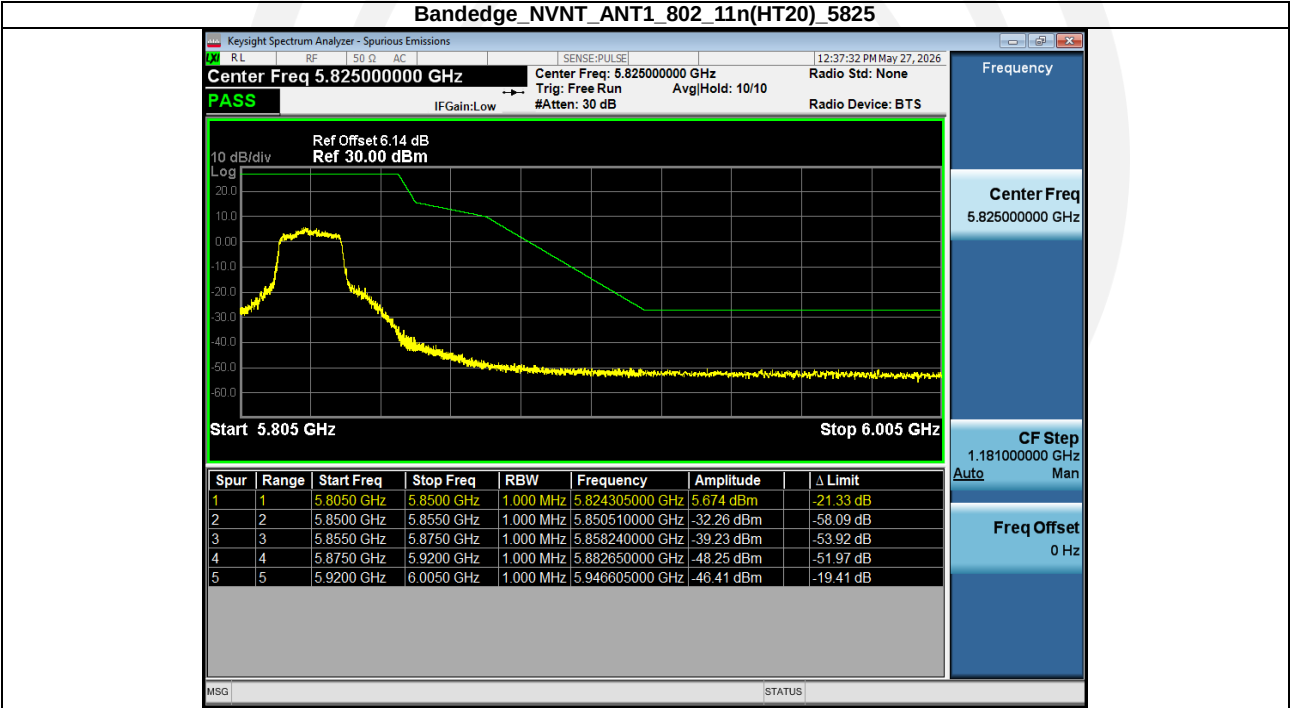
Condition	Antenna	Modulation	TX_Frequency (MHz)	Frequency Area(MHz)	Frequency(MHz)	Amplitude(dBm)	Limit(dBm)	Result
NVNT	ANT1	802.11a	LCH	5565-5655	5627.730	-50.37	-27.00	Pass
NVNT	ANT1	802.11a	LCH	5655-5700	5698.515	-40.40	8.78	Pass
NVNT	ANT1	802.11a	LCH	5700-5720	5718.020	-29.30	15.05	Pass
NVNT	ANT1	802.11a	LCH	5720-5725	5723.790	-24.31	24.24	Pass
NVNT	ANT1	802.11a	HCH	5850-5855	5851.225	-31.81	24.21	Pass
NVNT	ANT1	802.11a	HCH	5855-5875	5855.280	-36.25	15.52	Pass
NVNT	ANT1	802.11a	HCH	5875-5920	5880.355	-46.95	5.60	Pass
NVNT	ANT1	802.11a	HCH	5920-6005	5944.225	-45.61	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5565-5655	5623.770	-50.15	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5655-5700	5691.180	-43.78	2.75	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5700-5720	5719.620	-31.02	15.49	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5720-5725	5723.015	-24.73	22.47	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5850-5855	5850.510	-32.26	25.84	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5855-5875	5858.240	-39.23	14.69	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5875-5920	5882.650	-48.25	3.71	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5920-6005	5946.605	-46.41	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5565-5655	5618.370	-49.86	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5655-5700	5697.480	-42.95	7.93	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5700-5720	5718.840	-32.02	15.28	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5720-5725	5723.775	-25.00	24.21	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5850-5855	5850.810	-34.64	25.15	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5855-5875	5855.580	-37.51	15.44	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5875-5920	5880.715	-47.93	5.30	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5920-6005	5940.655	-46.70	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5595-5655	5653.140	-44.92	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5655-5700	5695.095	-34.62	5.97	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5700-5720	5718.740	-23.15	15.25	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5720-5725	5721.160	-21.43	18.24	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5850-5855	5852.815	-34.26	20.58	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5855-5875	5858.660	-38.69	14.58	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5875-5920	5883.505	-45.23	3.01	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5920-5955	5927.455	-45.38	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5595-5655	5648.340	-47.31	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5655-5700	5693.430	-36.98	4.60	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5700-5720	5717.780	-24.25	14.98	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5720-5725	5721.840	-21.34	19.80	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5850-5855	5853.055	-34.46	20.03	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5855-5875	5856.300	-37.77	15.24	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5875-5920	5885.620	-46.09	1.27	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5920-5955	5920.105	-43.67	-27.00	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5650-5655	5654.475	-43.38	-27.00	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5655-5700	5697.660	-31.61	8.08	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5700-5720	5719.000	-24.18	15.32	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5720-5725	5720.685	-24.97	17.16	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5850-5855	5854.050	-28.28	17.77	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5855-5875	5856.840	-30.16	15.08	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5875-5920	5878.870	-36.87	6.82	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5920-5925	5920.590	-40.36	-27.00	Pass



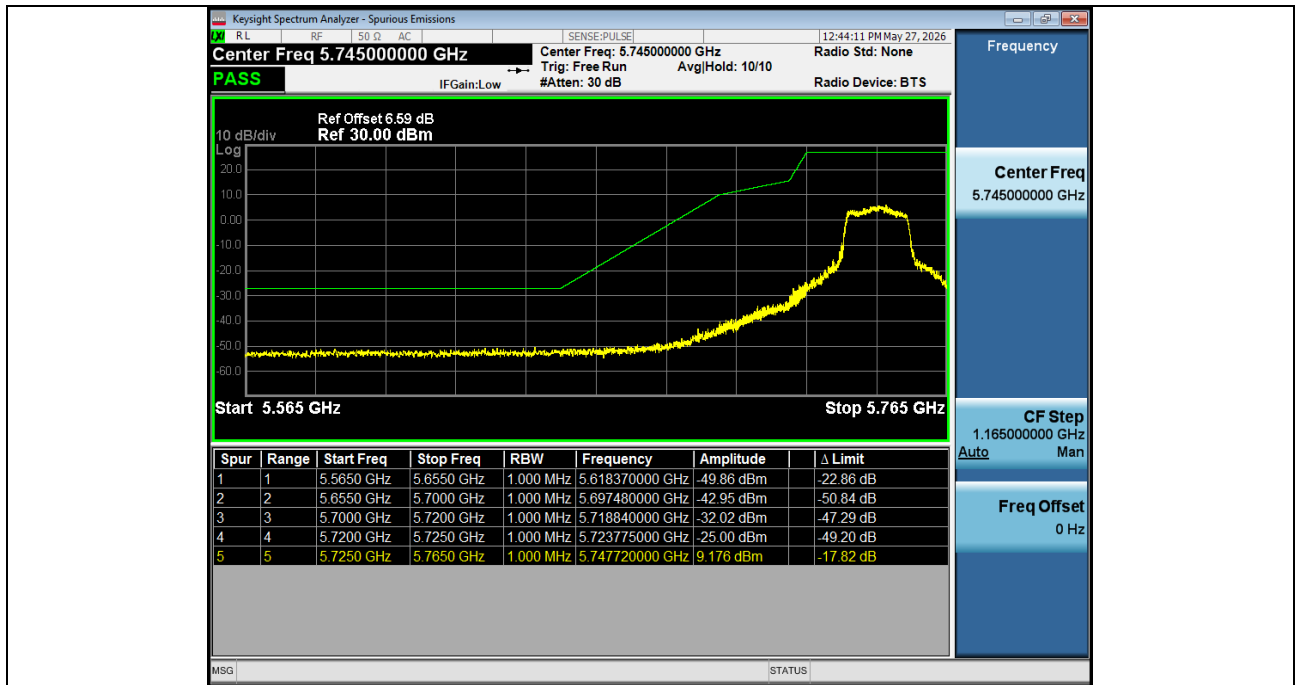
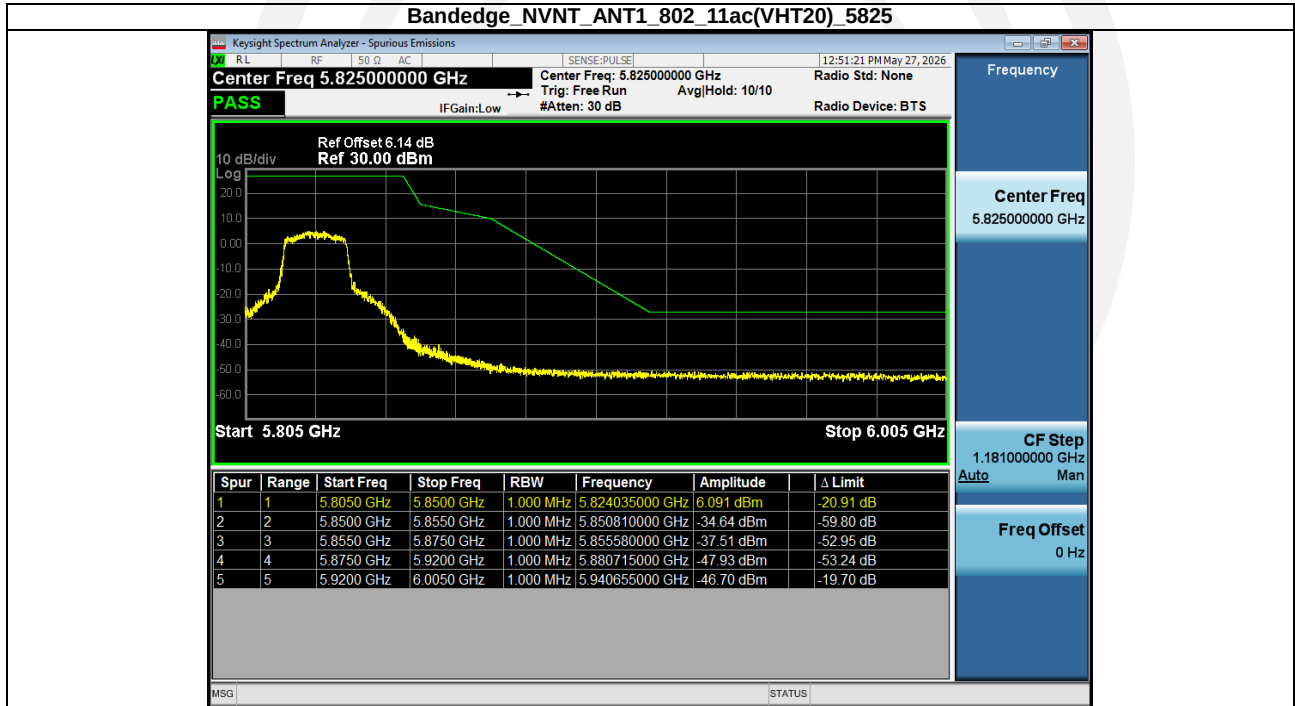
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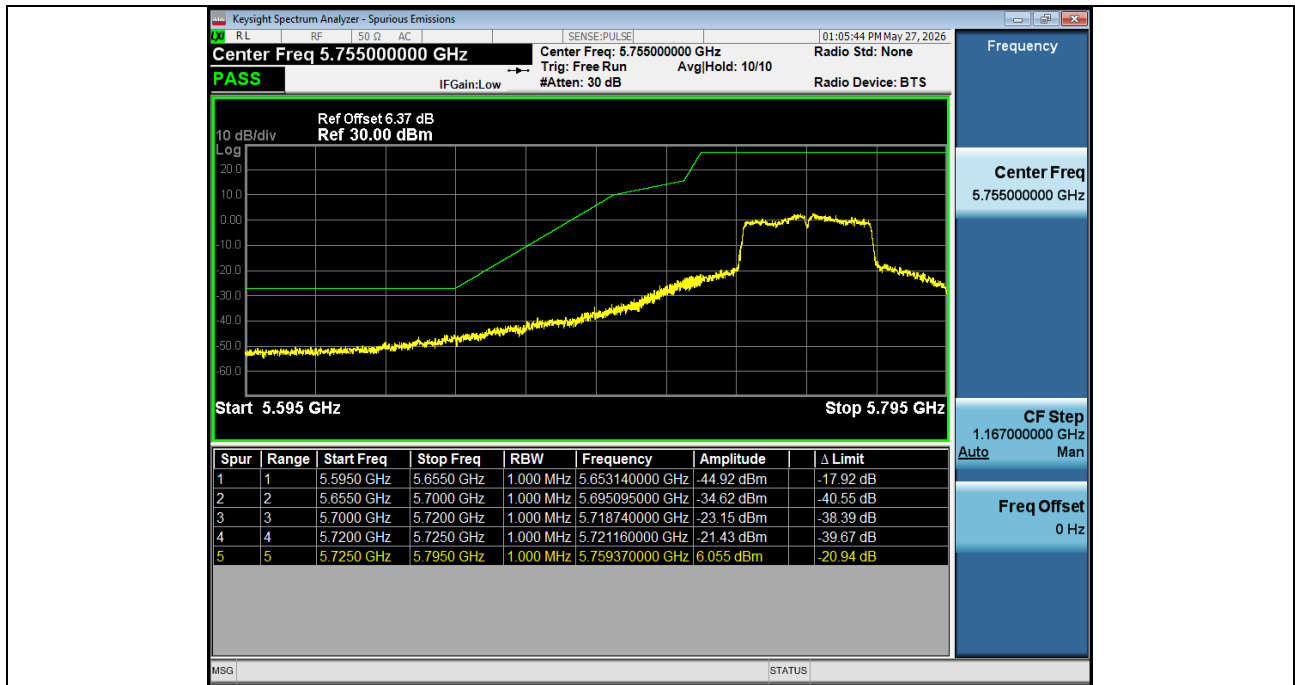
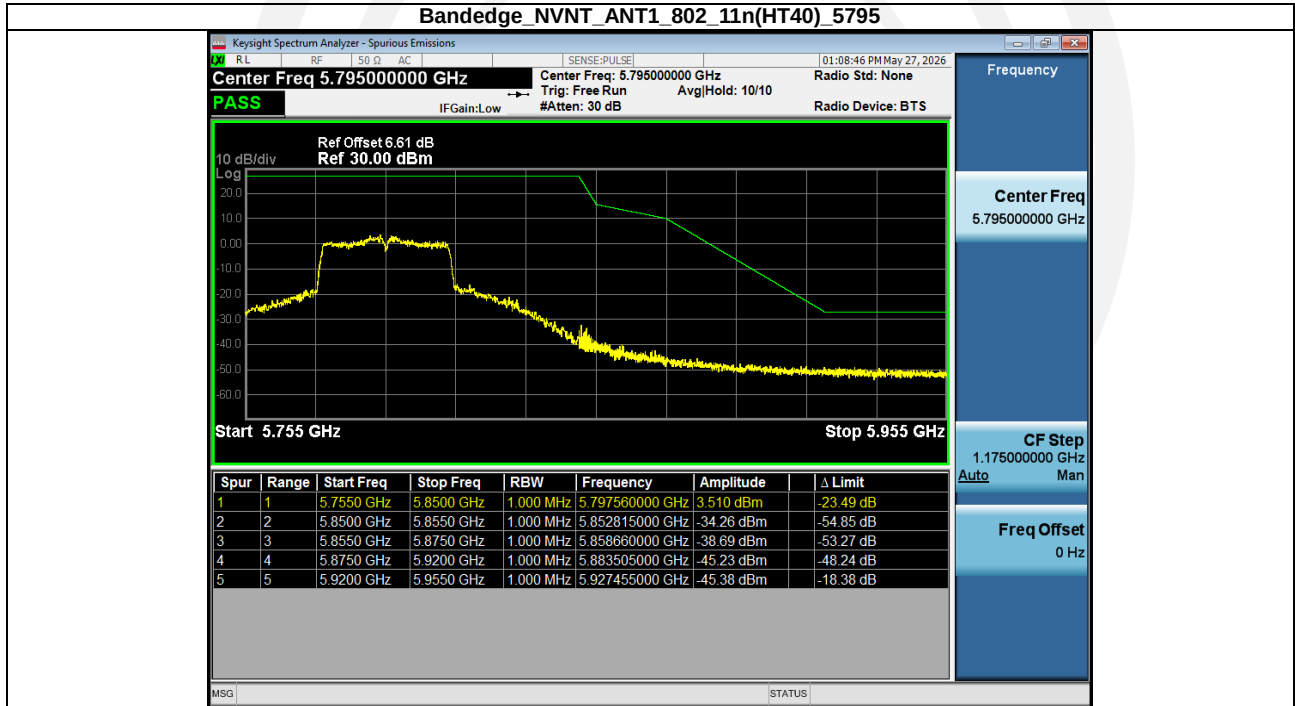


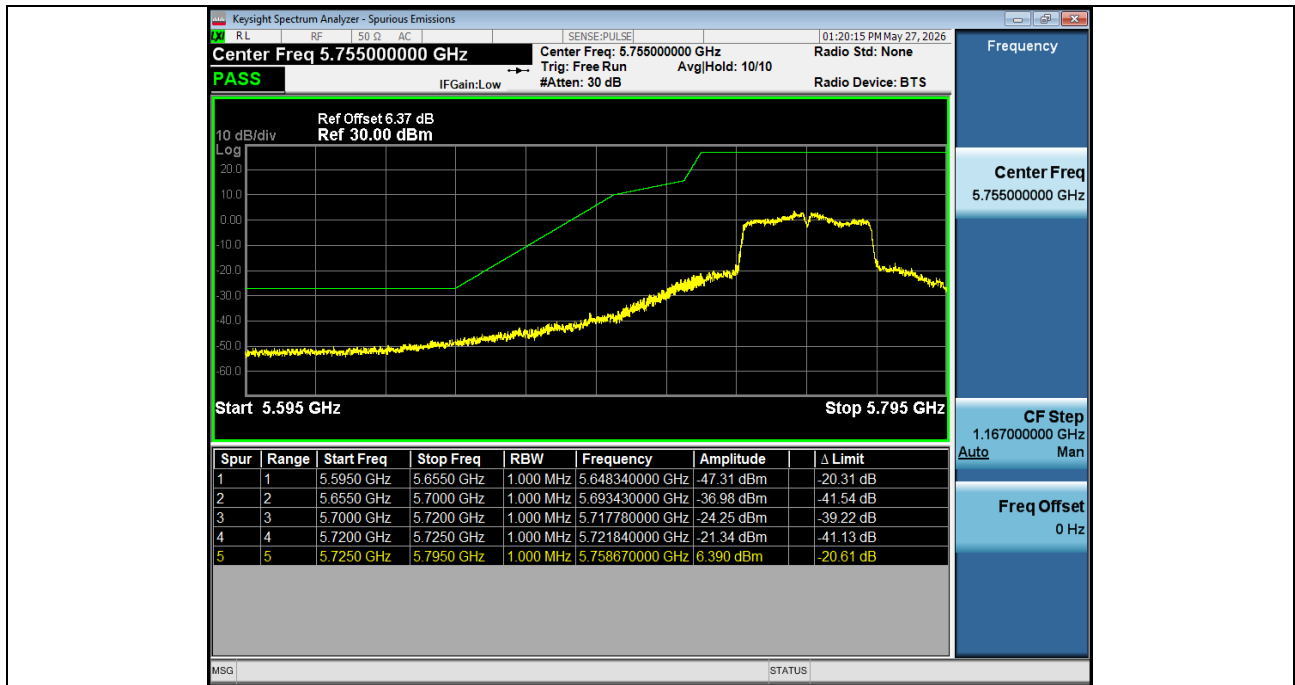
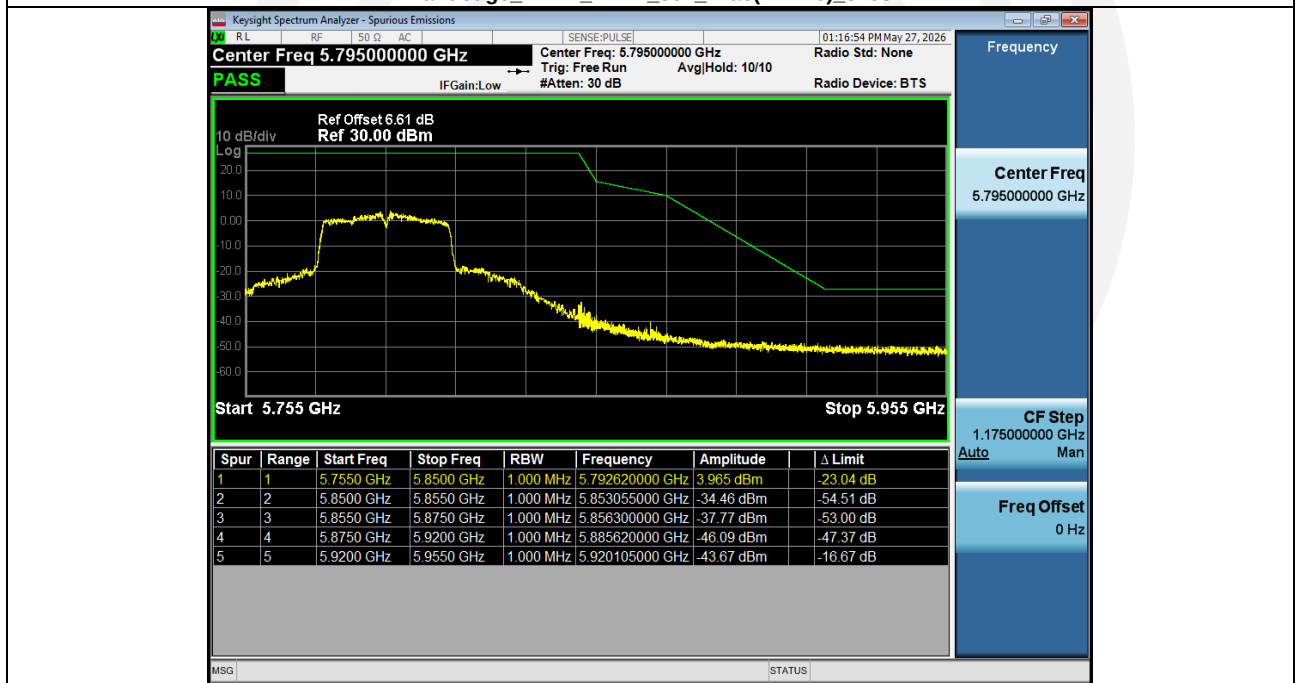
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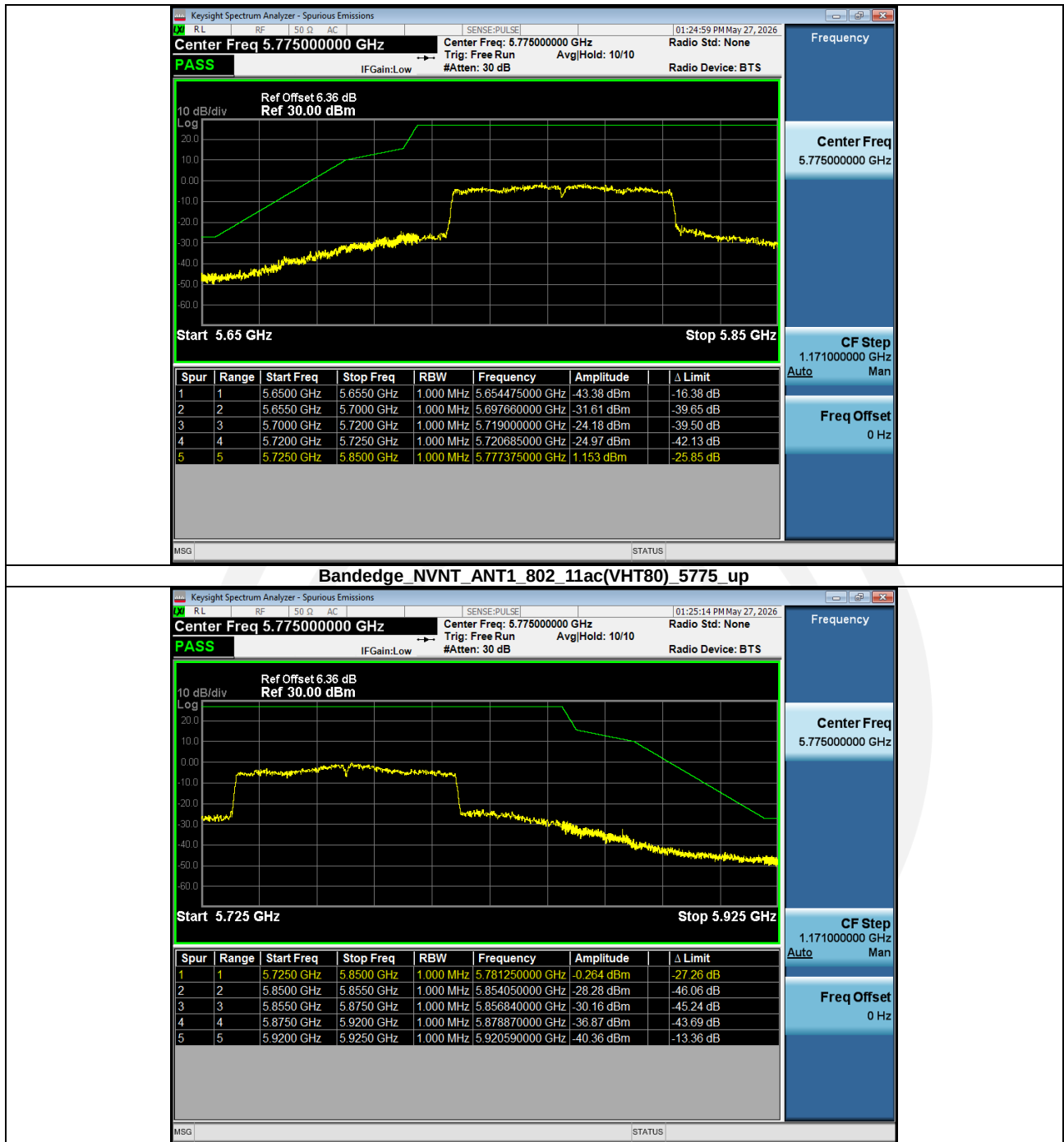


Bandedge_NVNT_ANT1_802_11ac(VHT20)_5745

**Bandedge_NVNT_ANT1_802_11ac(VHT20)_5825****Bandedge_NVNT_ANT1_802_11n(HT40)_5755**

**Bandedge_NVNT_ANT1_802_11n(HT40)_5795****Bandedge_NVNT_ANT1_802_11ac(VHT40)_5755**

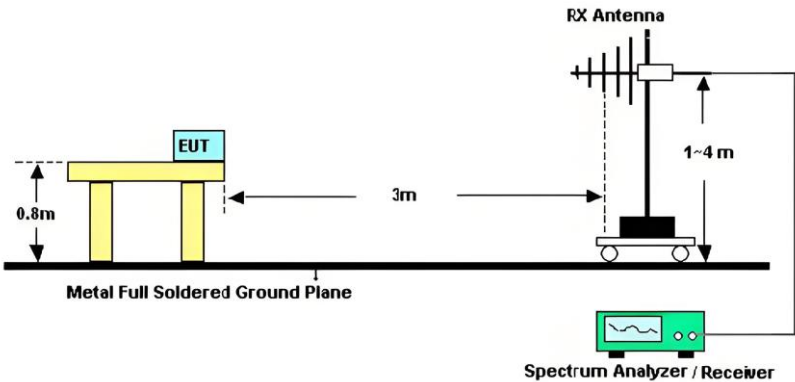
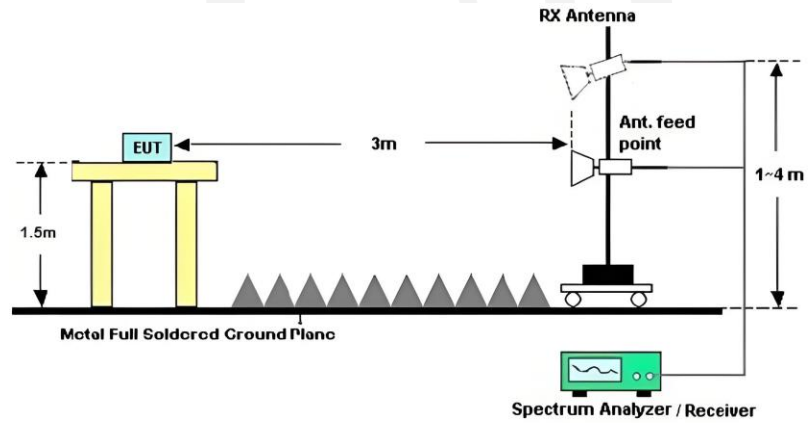
**Bandedge_NVNT_ANT1_802_11ac(VHT40)_5795****Bandedge_NVNT_ANT1_802_11ac(VHT80)_5775_low**



4.8 Radiated Emission

Test Requirement:	FCC Part15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.10-2020				
Test Frequency Range:	30MHz to 40GHz				
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		AV	1MHz	3MHz	Average Value
Limit:	Frequency		Limit (dBuV/m @3m)		Remark
	30MHz-88MHz		40.0		Quasi-peak Value
	88MHz-216MHz		43.5		Quasi-peak Value
	216MHz-960MHz		46.0		Quasi-peak Value
	960MHz-1GHz		54.0		Quasi-peak Value
	Above 1GHz		74.0		Peak Value
			54.0		Average Value
	MHz		MHz	MHz	G
	0.090-0.110		16.42-16.423	399.9-410	
	¹ 0.495-0.505		16.69475-16.69525	608-614	
	2.1735-2.1905		16.80425-16.80475	960-1240	
	4.125-4.128		25.5-25.67	1300-1427	
	4.17725-4.17775		37.5-38.25	1435-1626.5	
	4.20725-4.20775		73-74.6	1645.5-1646.5	
	6.215-6.218		74.8-75.2	1660-1710	
	6.26775-6.26825		108-121.94	1718.8-1722.2	
	6.31175-6.31225		123-138	2200-2300	
	8.291-8.294		149.9-150.05	2310-2390	
	8.362-8.366		156.52475-156.52525	2483.5-2500	
	8.37625-8.38675		156.7-156.9	2690-2900	
	8.41425-8.41475		162.0125-167.17	3260-3267	
	12.29-12.293		167.72-173.2	3332-3339	
	12.51975-12.52025		240-285	3345.8-3358	
	12.57675-12.57725		322-335.4	3600-4400	
	13.36-13.41.				
¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.					
² Above 38.6					
LIMITS OF EMISSIONS OUTSIDE OF THE FREQUENCY BANDS					
Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:					
(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.					
(2) 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.					
(3) 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.					
(4) For transmitters operating in the 5.725-5.85 GHz band:					
(i) 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.					
Note: dBuV/m(at 3M) = EIRP(dBm) + 95.2.					
Peak Limit = -27dBm/MHz + 95.2 = 68.2 dBuV/m					

Test Procedure:	Substitution method was performed to determine the actual ERP emission levels of the EUT. The following test procedure as below: 1>.Below 1GHz test procedure: 1. The EUT was placed on the top of a rotating table (0.8m for below 1GHz and 1.5 meters for above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. 2>.Above 1GHz test procedure: 1. On the test site as test setup graph above, the EUT shall be placed at the 1.5m support on the turntable and in the position closest to normal use as declared by the provider. 2. The test antenna shall be oriented initially for vertical polarization and shall be chosen to correspond to the frequency of the transmitter. The output of the test antenna shall be connected to the measuring receiver. 3. The transmitter shall be switched on, if possible, without modulation and the measuring receiver shall be tuned to the frequency of the transmitter under test. 4. The test antenna shall be raised and lowered from 1m to 4m until a maximum signal level is detected by the measuring receiver. Then the turntable should be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver. 5. Repeat step 4 for test frequency with the test antenna polarized horizontally. 6. Remove the transmitter and replace it with a substitution antenna 7. Feed the substitution antenna at the transmitter end with a signal generator connected to the antenna by means of a nonradiating cable. With the antennas at both ends vertically polarized, and with the signal generator tuned to a particular test frequency, raise and lower the test antenna to obtain a maximum reading at the spectrum analyzer. Adjust the level of the signal generator output until the previously recorded maximum reading for this set of conditions is obtained. This should be done carefully repeating the adjustment of the test antenna and generator output. 8. Repeat step 7 with both antennas horizontally polarized for each test frequency. 9. Calculate power in dBm into a reference ideal half-wave dipole
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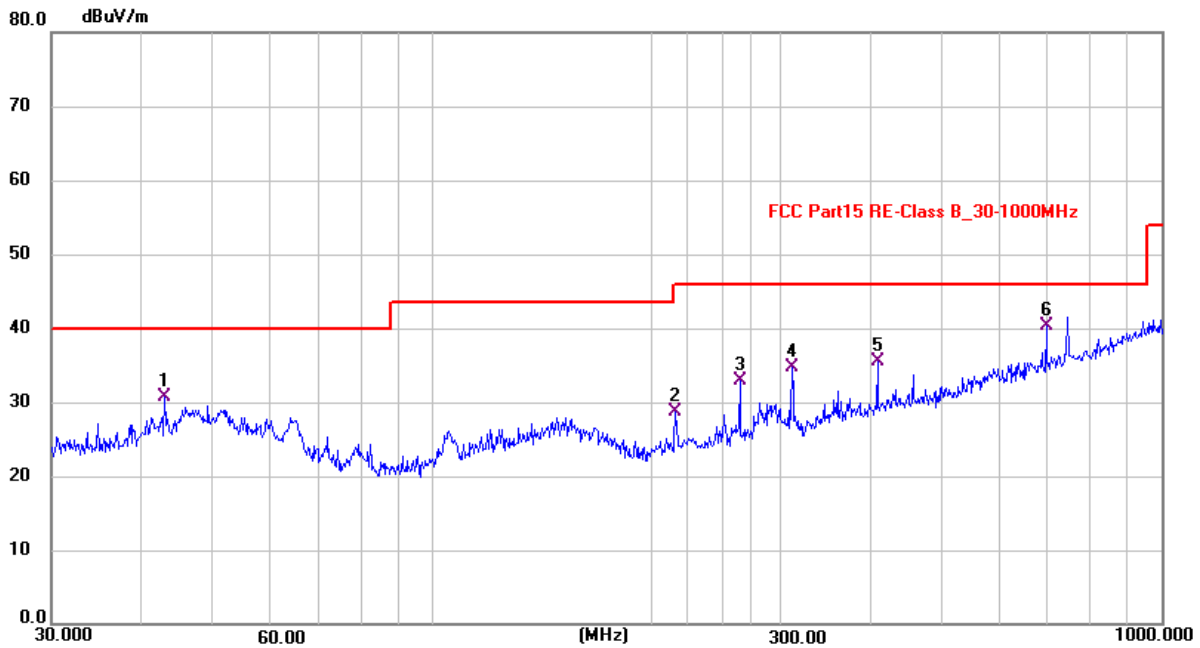
	antenna by reducing the readings obtained in steps 7 and 8 by the power loss in the cable between the generator and the antenna, and further corrected for the gain of the substitution antenna used relative to an ideal half-wave dipole antenna by the following formula: $\text{EIRP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}$ where: Pg is the generator output power into the substitution antenna.
Test setup:	Below 1GHz  Above 1GHz 
Test Instruments:	Refer to section 3.0 for details
Test mode:	Refer to section 2.2 for details
Test results:	Pass

Measurement Data:

We have scanned from 9kHz to the 10th harmonic of the EUT's highest frequency.
Detailed information please see the following page.

From 9KHz to 30MHz:	
Test Date : 2026.05.20	Temperature : 24℃
Test Engineer : Felix Pang	Humidity : 56%
Test Mode : 5G WiFi	
Test Results : PASS	
Note:	The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

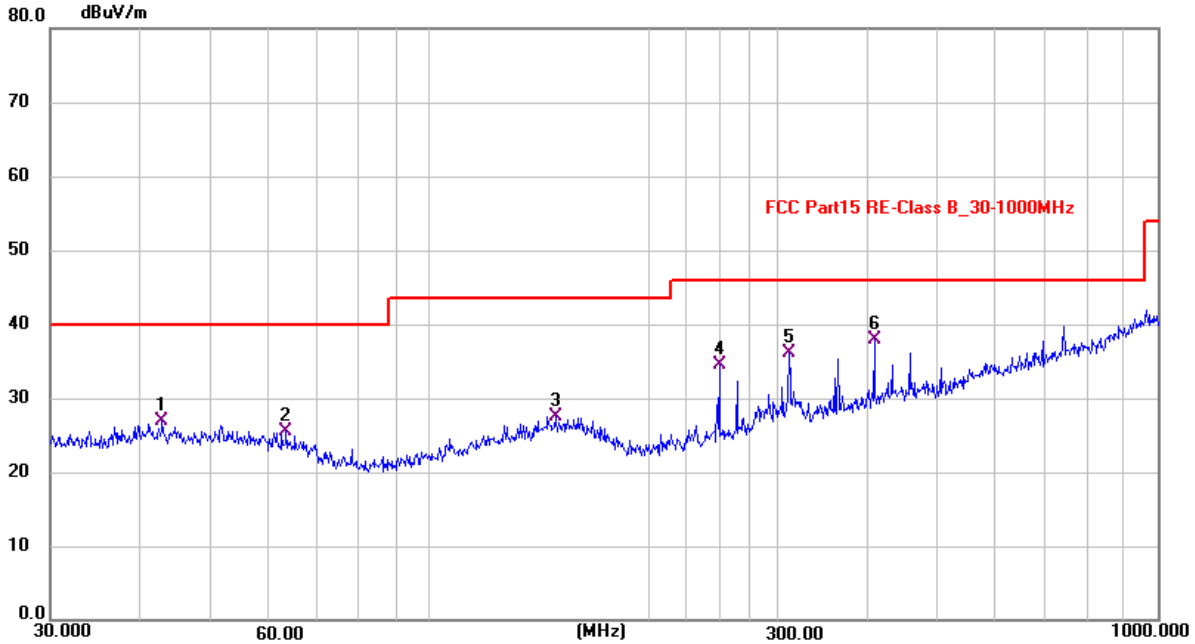
From 30MHz to 1000MHz:	
Test Date : 2026.05.20	Temperature : 24℃
Test Engineer : Felix Pang	Humidity : 56%
Test Mode : 5G WiFi	
Test Results : PASS	
Note:	1. The test results are listed in next pages. 2. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector and quasi-peak detector need not be carried out. 3. All modes and channels have been tested, and only worst data of IEEE 802.11a 5180MHz was listed in this report.

Polarization: Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	43.0316	16.62	14.06	30.68	40.00	-9.32	QP	100	188	P
2	216.0240	16.52	12.14	28.66	46.00	-17.34	QP	100	169	P
3	264.0504	19.10	13.89	32.99	46.00	-13.01	QP	100	127	P
4	312.0426	19.16	15.47	34.63	46.00	-11.37	QP	100	284	P
5	408.0507	17.65	17.84	35.49	46.00	-10.51	QP	100	116	P
6 *	696.2461	16.56	23.75	40.31	46.00	-5.69	QP	100	316	P

Remark:

Result(dBμV/m) = Reading(dBμV) + Factor(dB/m); Over Limit(dB) = Result(dBμV/m) - Limit(dBμV/m)

Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1	42.7683	12.74	14.08	26.82	40.00	-13.18	QP	200	114	P
2	63.3410	12.87	12.62	25.49	40.00	-14.51	QP	200	157	P
3	148.5061	12.35	15.11	27.46	43.50	-16.04	QP	200	249	P
4	249.9723	21.04	13.50	34.54	46.00	-11.46	QP	200	165	P
5	312.0426	20.71	15.47	36.18	46.00	-9.82	QP	200	185	P
6 *	408.0507	20.15	17.84	37.99	46.00	-8.01	QP	200	244	P

Remark:

$$\text{Result(dB}\mu\text{V/m)} = \text{Reading(dB}\mu\text{V)} + \text{Factor(dB/m)}; \text{Over Limit(dB)} = \text{Result(dB}\mu\text{V/m)} - \text{Limit(dB}\mu\text{V/m)}$$

. U-NII-1:

Test Mode: IEEE 802.11a							
Test channel: Low CH							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
10360.00	66.72	-11.79	54.93	68.20	-13.27	V	Peak
15540.00	60.40	-7.28	53.12	68.20	-15.08	V	Peak
10360.00	65.47	-11.79	53.68	68.20	-14.52	H	Peak
15540.00	60.64	-7.28	53.36	68.20	-14.84	H	Peak
10360.00	47.73	-11.79	35.94	54.00	-18.06	V	AVG
15540.00	42.25	-7.28	34.97	54.00	-19.03	V	AVG
10360.00	47.05	-11.79	35.26	54.00	-18.74	H	AVG
15540.00	41.00	-7.28	33.72	54.00	-20.28	H	AVG
Test channel: Middle CH							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
10400.00	65.70	-11.74	53.96	68.20	-14.24	V	Peak
15600.00	61.78	-7.18	54.60	68.20	-13.60	V	Peak
10400.00	64.78	-11.74	53.04	68.20	-15.16	H	Peak
15600.00	60.12	-7.18	52.94	68.20	-15.26	H	Peak
10400.00	47.56	-11.74	35.82	54.00	-18.18	V	AVG
15600.00	43.81	-7.18	36.63	54.00	-17.37	V	AVG
10400.00	46.88	-11.74	35.14	54.00	-18.86	H	AVG
15600.00	42.64	-7.18	35.46	54.00	-18.54	H	AVG
Test channel: High CH							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
10480.00	65.46	-11.63	53.83	68.20	-14.37	V	Peak
15720.00	61.28	-6.97	54.31	68.20	-13.89	V	Peak
10480.00	65.79	-11.63	54.16	68.20	-14.04	H	Peak
15720.00	60.90	-6.97	53.93	68.20	-14.27	H	Peak
10480.00	47.79	-11.63	36.16	54.00	-17.84	V	AVG
15720.00	43.94	-6.97	36.97	54.00	-17.03	V	AVG
10480.00	46.95	-11.63	35.32	54.00	-18.68	H	AVG
15720.00	41.63	-6.97	34.66	54.00	-19.34	H	AVG

Test Mode: IEEE 802.11n(HT20)							
Test channel: Low CH							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
10360.00	66.49	-11.79	54.70	68.20	-13.50	V	Peak
15540.00	60.99	-7.28	53.71	68.20	-14.49	V	Peak
10360.00	65.29	-11.79	53.50	68.20	-14.70	H	Peak
15540.00	59.58	-7.28	52.30	68.20	-15.90	H	Peak
10360.00	46.13	-11.79	34.34	54.00	-19.66	V	AVG
15540.00	42.38	-7.28	35.10	54.00	-18.90	V	AVG
10360.00	46.82	-11.79	35.03	54.00	-18.97	H	AVG
15540.00	42.93	-7.28	35.65	54.00	-18.35	H	AVG
Test channel: Middle CH							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
10400.00	65.91	-11.74	54.17	68.20	-14.03	V	Peak
15600.00	60.62	-7.18	53.44	68.20	-14.76	V	Peak
10400.00	65.46	-11.74	53.72	68.20	-14.48	H	Peak
15600.00	60.26	-7.18	53.08	68.20	-15.12	H	Peak
10400.00	47.68	-11.74	35.94	54.00	-18.06	V	AVG
15600.00	43.51	-7.18	36.33	54.00	-17.67	V	AVG
10400.00	47.75	-11.74	36.01	54.00	-17.99	H	AVG
15600.00	41.13	-7.18	33.95	54.00	-20.05	H	AVG
Test channel: High CH							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
10480.00	65.21	-11.63	53.58	68.20	-14.62	V	Peak
15720.00	60.23	-6.97	53.26	68.20	-14.94	V	Peak
10480.00	65.33	-11.63	53.70	68.20	-14.50	H	Peak
15720.00	59.83	-6.97	52.86	68.20	-15.34	H	Peak
10480.00	47.23	-11.63	35.60	54.00	-18.40	V	AVG
15720.00	43.62	-6.97	36.65	54.00	-17.35	V	AVG
10480.00	46.13	-11.63	34.50	54.00	-19.50	H	AVG
15720.00	42.95	-6.97	35.98	54.00	-18.02	H	AVG

Test Mode: IEEE 802.11n(HT40)							
Test channel: Low CH							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
10380.00	66.69	-11.77	54.92	68.20	-13.28	V	Peak
15570.00	60.43	-7.24	53.19	68.20	-15.01	V	Peak
10380.00	65.52	-11.77	53.75	68.20	-14.45	H	Peak
15570.00	60.67	-7.24	53.43	68.20	-14.77	H	Peak
10380.00	46.83	-11.77	35.06	54.00	-18.94	V	AVG
15570.00	42.67	-7.24	35.43	54.00	-18.57	V	AVG
10380.00	46.84	-11.77	35.07	54.00	-18.93	H	AVG
15570.00	42.55	-7.24	35.31	54.00	-18.69	H	AVG
Test channel: High CH							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
10460.00	65.77	-11.65	54.12	68.20	-14.08	V	Peak
15690.00	61.76	-7.03	54.73	68.20	-13.47	V	Peak
10460.00	65.94	-11.65	54.29	68.20	-13.91	H	Peak
15690.00	61.00	-7.03	53.97	68.20	-14.23	H	Peak
10460.00	46.39	-11.65	34.74	54.00	-19.26	V	AVG
15690.00	42.14	-7.03	35.11	54.00	-18.89	V	AVG
10460.00	47.41	-11.65	35.76	54.00	-18.24	H	AVG
15690.00	41.81	-7.03	34.78	54.00	-19.22	H	AVG

Test Mode: IEEE 802.11ac(HT20)							
Test channel: Low CH							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
10360.00	66.63	-11.79	54.84	68.20	-13.36	V	Peak
15540.00	60.74	-7.28	53.46	68.20	-14.74	V	Peak
10360.00	65.95	-11.79	54.16	68.20	-14.04	H	Peak
15540.00	59.71	-7.28	52.43	68.20	-15.77	H	Peak
10360.00	47.05	-11.79	35.26	54.00	-18.74	V	AVG
15540.00	42.40	-7.28	35.12	54.00	-18.88	V	AVG
10360.00	47.71	-11.79	35.92	54.00	-18.08	H	AVG
15540.00	42.57	-7.28	35.29	54.00	-18.71	H	AVG
Test channel: Middle CH							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
10400.00	65.58	-11.74	53.84	68.20	-14.36	V	Peak
15600.00	61.69	-7.18	54.51	68.20	-13.69	V	Peak
10400.00	65.64	-11.74	53.90	68.20	-14.30	H	Peak
15600.00	60.74	-7.18	53.56	68.20	-14.64	H	Peak
10400.00	46.94	-11.74	35.20	54.00	-18.80	V	AVG
15600.00	42.17	-7.18	34.99	54.00	-19.01	V	AVG
10400.00	46.81	-11.74	35.07	54.00	-18.93	H	AVG
15600.00	42.71	-7.18	35.53	54.00	-18.47	H	AVG
Test channel: High CH							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
10480.00	66.78	-11.63	55.15	68.20	-13.05	V	Peak
15720.00	60.73	-6.97	53.76	68.20	-14.44	V	Peak
10480.00	65.19	-11.63	53.56	68.20	-14.64	H	Peak
15720.00	60.41	-6.97	53.44	68.20	-14.76	H	Peak
10480.00	47.30	-11.63	35.67	54.00	-18.33	V	AVG
15720.00	43.53	-6.97	36.56	54.00	-17.44	V	AVG
10480.00	47.71	-11.63	36.08	54.00	-17.92	H	AVG
15720.00	42.57	-6.97	35.60	54.00	-18.40	H	AVG

Test Mode: IEEE 802.11ac(HT40)							
Test channel: Low CH							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
10380.00	65.68	-11.77	53.91	68.20	-14.29	V	Peak
15570.00	60.14	-7.24	52.90	68.20	-15.30	V	Peak
10380.00	64.85	-11.77	53.08	68.20	-15.12	H	Peak
15570.00	59.02	-7.24	51.78	68.20	-16.42	H	Peak
10380.00	47.60	-11.77	35.83	54.00	-18.17	V	AVG
15570.00	43.05	-7.24	35.81	54.00	-18.19	V	AVG
10380.00	46.33	-11.77	34.56	54.00	-19.44	H	AVG
15570.00	41.61	-7.24	34.37	54.00	-19.63	H	AVG
Test channel: High CH							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
10460.00	65.53	-11.65	53.88	68.20	-14.32	V	Peak
15690.00	60.65	-7.03	53.62	68.20	-14.58	V	Peak
10460.00	66.00	-11.65	54.35	68.20	-13.85	H	Peak
15690.00	59.68	-7.03	52.65	68.20	-15.55	H	Peak
10460.00	46.15	-11.65	34.50	54.00	-19.50	V	AVG
15690.00	43.19	-7.03	36.16	54.00	-17.84	V	AVG
10460.00	46.57	-11.65	34.92	54.00	-19.08	H	AVG
15690.00	42.56	-7.03	35.53	54.00	-18.47	H	AVG

Test Mode: IEEE 802.11ac(HT80)							
Test channel: Low CH							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
11060.00	66.45	-10.85	55.60	68.20	-12.60	V	Peak
16590.00	61.85	-5.67	56.18	68.20	-12.02	V	Peak
11060.00	64.41	-10.85	53.56	68.20	-14.64	H	Peak
16590.00	59.69	-5.67	54.02	68.20	-14.18	H	Peak
11060.00	47.52	-10.85	36.67	54.00	-17.33	V	AVG
16590.00	43.22	-5.67	37.55	54.00	-16.45	V	AVG
11060.00	46.20	-10.85	35.35	54.00	-18.65	H	AVG
16590.00	41.33	-5.67	35.66	54.00	-18.34	H	AVG

Note:

1. Level = Read Level + Factor. (Factor=Antenna Factor+ Cable loss- Preamp Factor)
2. All modes have been measurement, only worst mode was reported.
3. The frequency emission of peak points not shown in the above form (1GHz to 40GHz) should be at least 20dB below the limit, and the frequency emission mainly comes from environmental noise.

U-NII-3:

Test Mode: IEEE 802.11ac(HT20)							
Test channel: Low CH							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
11490.00	66.59	-10.56	56.03	68.20	-12.17	V	Peak
17235.00	61.22	-5.21	56.01	68.20	-12.19	V	Peak
11490.00	64.32	-10.56	53.76	68.20	-14.44	H	Peak
17235.00	59.19	-5.21	53.98	68.20	-14.22	H	Peak
11490.00	46.94	-10.56	36.38	54.00	-17.62	V	AVG
17235.00	43.09	-5.21	37.88	54.00	-16.12	V	AVG
11490.00	46.81	-10.56	36.25	54.00	-17.75	H	AVG
17235.00	41.25	-5.21	36.04	54.00	-17.96	H	AVG
Test channel: Middle CH							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
11570.00	66.96	-10.50	56.46	68.20	-11.74	V	Peak
17355.00	60.95	-5.28	55.67	68.20	-12.53	V	Peak
11570.00	64.56	-10.50	54.06	68.20	-14.14	H	Peak
17355.00	59.15	-5.28	53.87	68.20	-14.33	H	Peak
11570.00	47.20	-10.50	36.70	54.00	-17.30	V	AVG
17355.00	43.37	-5.28	38.09	54.00	-15.91	V	AVG
11570.00	47.70	-10.50	37.20	54.00	-16.80	H	AVG
17355.00	42.86	-5.28	37.58	54.00	-16.42	H	AVG
Test channel: High CH							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
11650.00	66.10	-10.44	55.66	68.20	-12.54	V	Peak
17475.00	60.83	-5.34	55.49	68.20	-12.71	V	Peak
11650.00	64.73	-10.44	54.29	68.20	-13.91	H	Peak
17475.00	59.07	-5.34	53.73	68.20	-14.47	H	Peak
11650.00	47.37	-10.44	36.93	54.00	-17.07	V	AVG
17475.00	43.22	-5.34	37.88	54.00	-16.12	V	AVG
11650.00	47.46	-10.44	37.02	54.00	-16.98	H	AVG
17475.00	41.95	-5.34	36.61	54.00	-17.39	H	AVG

Test Mode: IEEE 802.11ac(HT40)							
Test channel: Low CH							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
11510.00	65.64	-10.54	55.10	68.20	-13.10	V	Peak
17265.00	61.56	-5.24	56.32	68.20	-11.88	V	Peak
11510.00	64.22	-10.54	53.68	68.20	-14.52	H	Peak
17265.00	59.94	-5.24	54.70	68.20	-13.50	H	Peak
11510.00	46.83	-10.54	36.29	54.00	-17.71	V	AVG
17265.00	42.53	-5.24	37.29	54.00	-16.71	V	AVG
11510.00	47.44	-10.54	36.90	54.00	-17.10	H	AVG
17265.00	42.66	-5.24	37.42	54.00	-16.58	H	AVG
Test channel: High CH							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
11550.00	66.90	-10.51	56.39	68.20	-11.81	V	Peak
17325.00	60.06	-5.26	54.80	68.20	-13.40	V	Peak
11550.00	65.75	-10.51	55.24	68.20	-12.96	H	Peak
17325.00	60.48	-5.26	55.22	68.20	-12.98	H	Peak
11550.00	47.79	-10.51	37.28	54.00	-16.72	V	AVG
17325.00	42.33	-5.26	37.07	54.00	-16.93	V	AVG
11550.00	46.72	-10.51	36.21	54.00	-17.79	H	AVG
17325.00	42.71	-5.26	37.45	54.00	-16.55	H	AVG

Test Mode: IEEE 802.11ac(HT80)							
Test channel: Low CH							
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna Pol.	Detector
11060.00	65.54	-10.85	54.69	68.20	-13.51	V	Peak
16590.00	60.42	-5.67	54.75	68.20	-13.45	V	Peak
11060.00	65.10	-10.85	54.25	68.20	-13.95	H	Peak
16590.00	60.93	-5.67	55.26	68.20	-12.94	H	Peak
11060.00	47.26	-10.85	36.41	54.00	-17.59	V	AVG
16590.00	43.57	-5.67	37.90	54.00	-16.10	V	AVG
11060.00	47.42	-10.85	36.57	54.00	-17.43	H	AVG
16590.00	41.36	-5.67	35.69	54.00	-18.31	H	AVG

Note:

1. Level = Read Level + Factor. (Factor=Antenna Factor+ Cable loss- Preamp Factor)
2. All modes have been measurement, only worst mode was reported.
3. The frequency emission of peak points not shown in the above form (1GHz to 40GHz) should be at least 20dB below the limit, and the frequency emission mainly comes from environmental noise.

4.9 Frequency stability

Test Standard	15.407(g)
Test limit	Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.
Test results:	Pass

Measurement Data:

Mode	Voltage (V)	FHL (5180MHz)	Deviation (KHz)	FHH (5240MHz)	Deviation (KHz)
Band 1 (5150-5250 MHz)	DC 4.5V	5179.994	6	5239.996	4
	DC 5.0V	5179.993	7	5239.997	3
	DC 5.5V	5179.994	6	5239.991	9
Mode	Voltage (V)	FHL (5745MHz)	Deviation (KHz)	FHH (5825MHz)	Deviation (KHz)
Band 4 (5725-5850 MHz)	DC 4.5V	5744.995	5	5824.996	4
	DC 5.0V	5744.993	7	5824.993	7
	DC 5.5V	5744.994	6	5824.991	9

Mode	Temperature (°C)	FHL (5180MHz)	Deviation (KHz)	FHH (5240MHz)	Deviation (KHz)
Band 1 (5150-5250 MHz)	-10°C	5179.993	7	5239.996	4
	0°C	5179.998	2	5239.992	8
	+10°C	5179.995	5	5239.995	5
	+20°C	5179.995	5	5239.993	7
	+30°C	5179.994	6	5239.994	6
	+40°C	5179.997	3	5239.992	8
	+50°C	5179.997	3	5239.991	9
Mode	Temperature (°C)	FHL (5745MHz)	Deviation (KHz)	FHH (5825MHz)	Deviation (KHz)
Band 4 (5725-5850 MHz)	-10°C	5744.998	2	5824.994	6
	0°C	5744.993	7	5824.993	7
	+10°C	5744.995	5	5824.993	7
	+20°C	5744.994	6	5824.994	6
	+30°C	5744.997	3	5824.992	8
	+40°C	5744.992	8	5824.996	4
	+50°C	5744.998	2	5824.994	6

5 Photos Of Test Setup

Reference to the test report **psi2605031-C01-R08 appendix I Test Setup Photo** for details.

6 Photos Of EUT

Reference to the test report **psi2605031-C01-R08 appendix II external photos** and **appendix III internal photos** for details.

-----END OF REPORT-----

