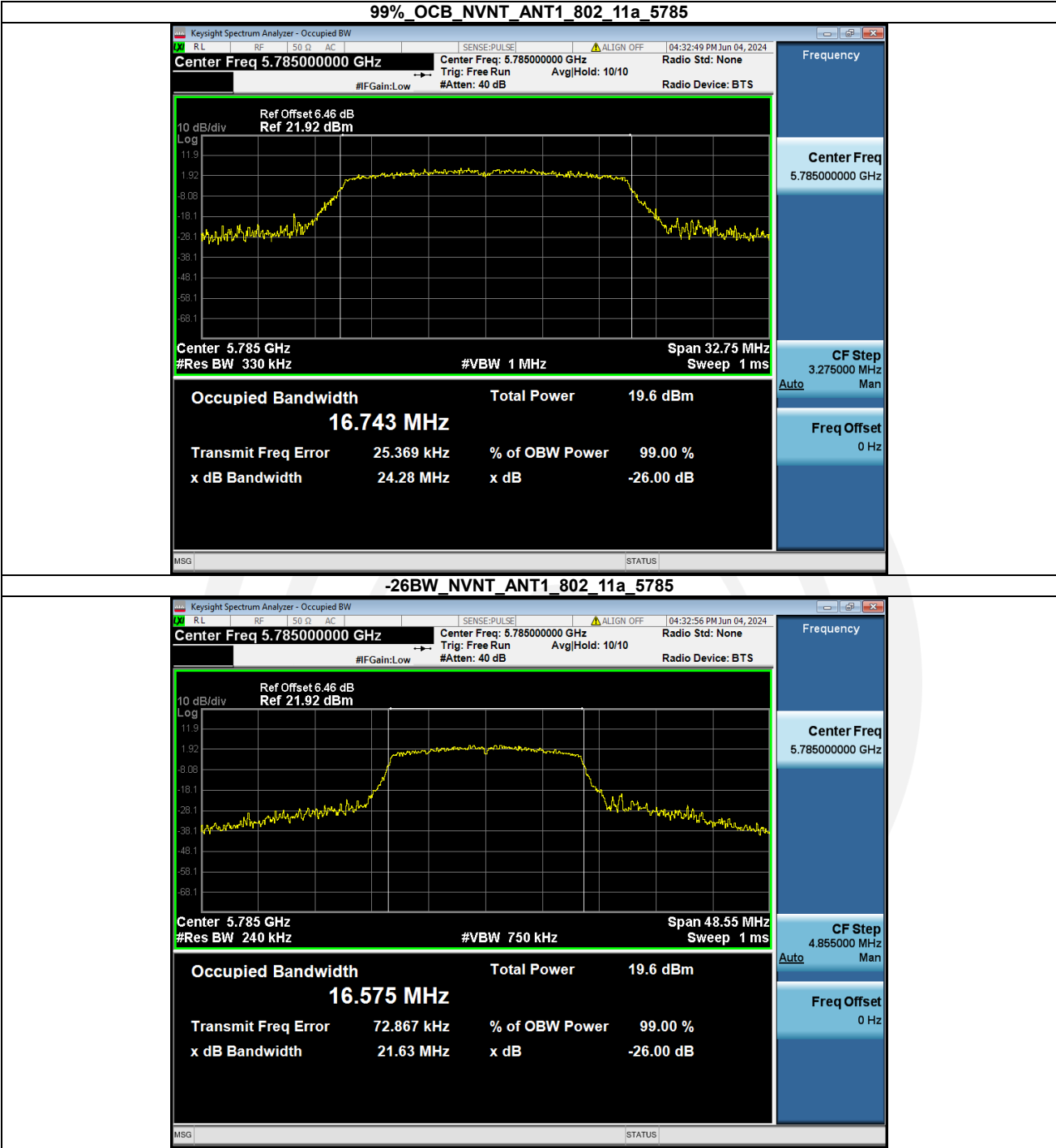
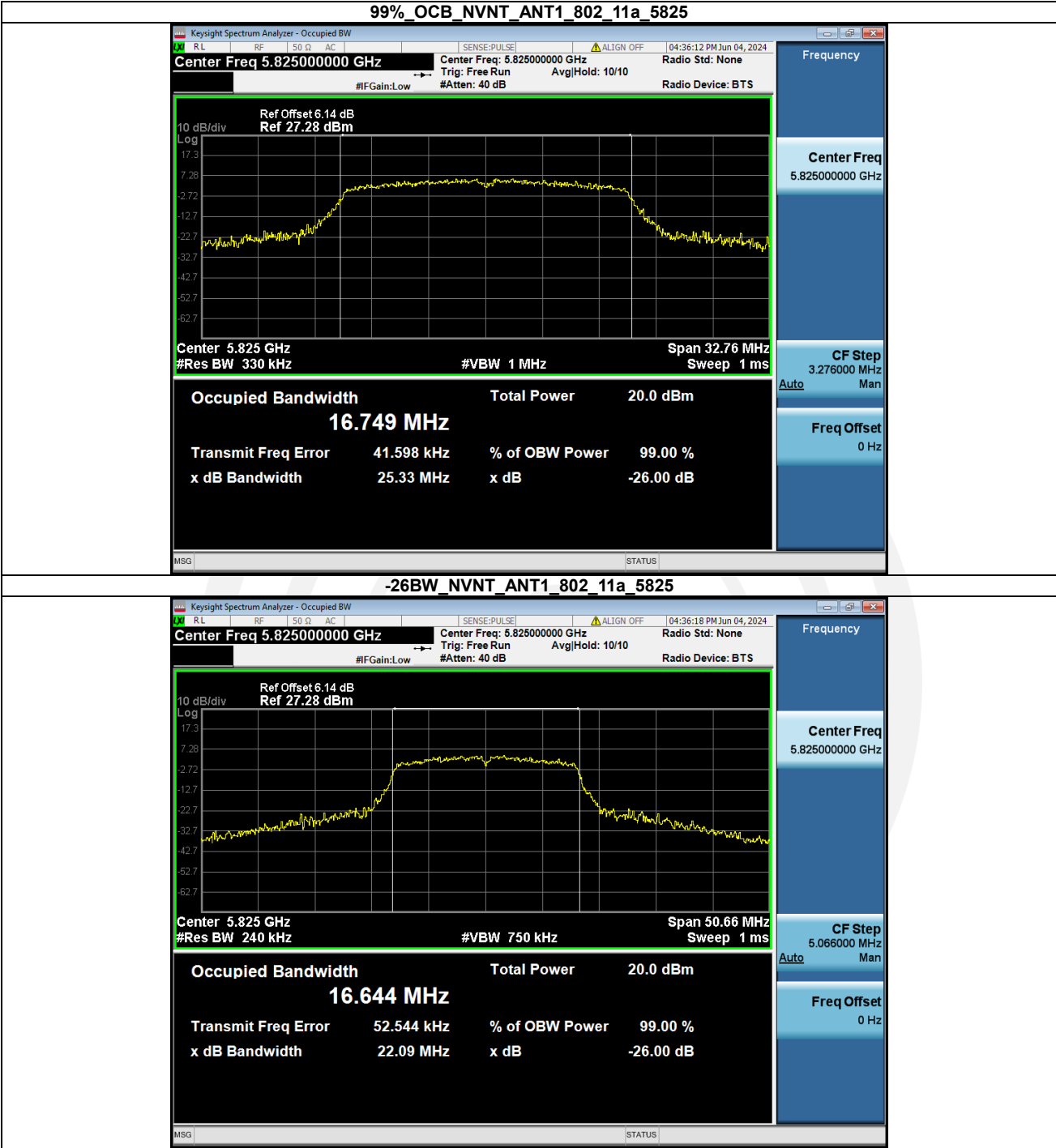
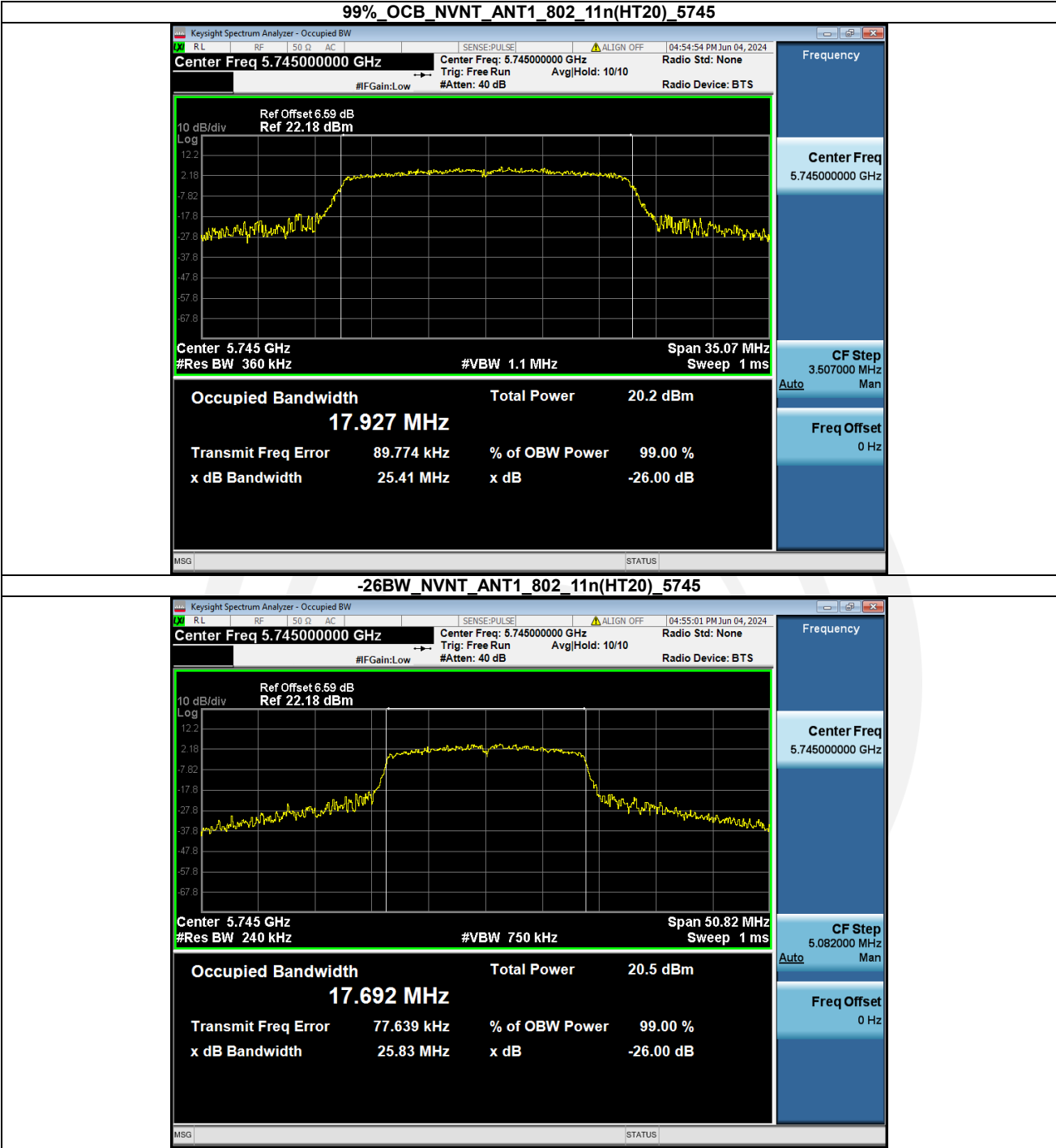
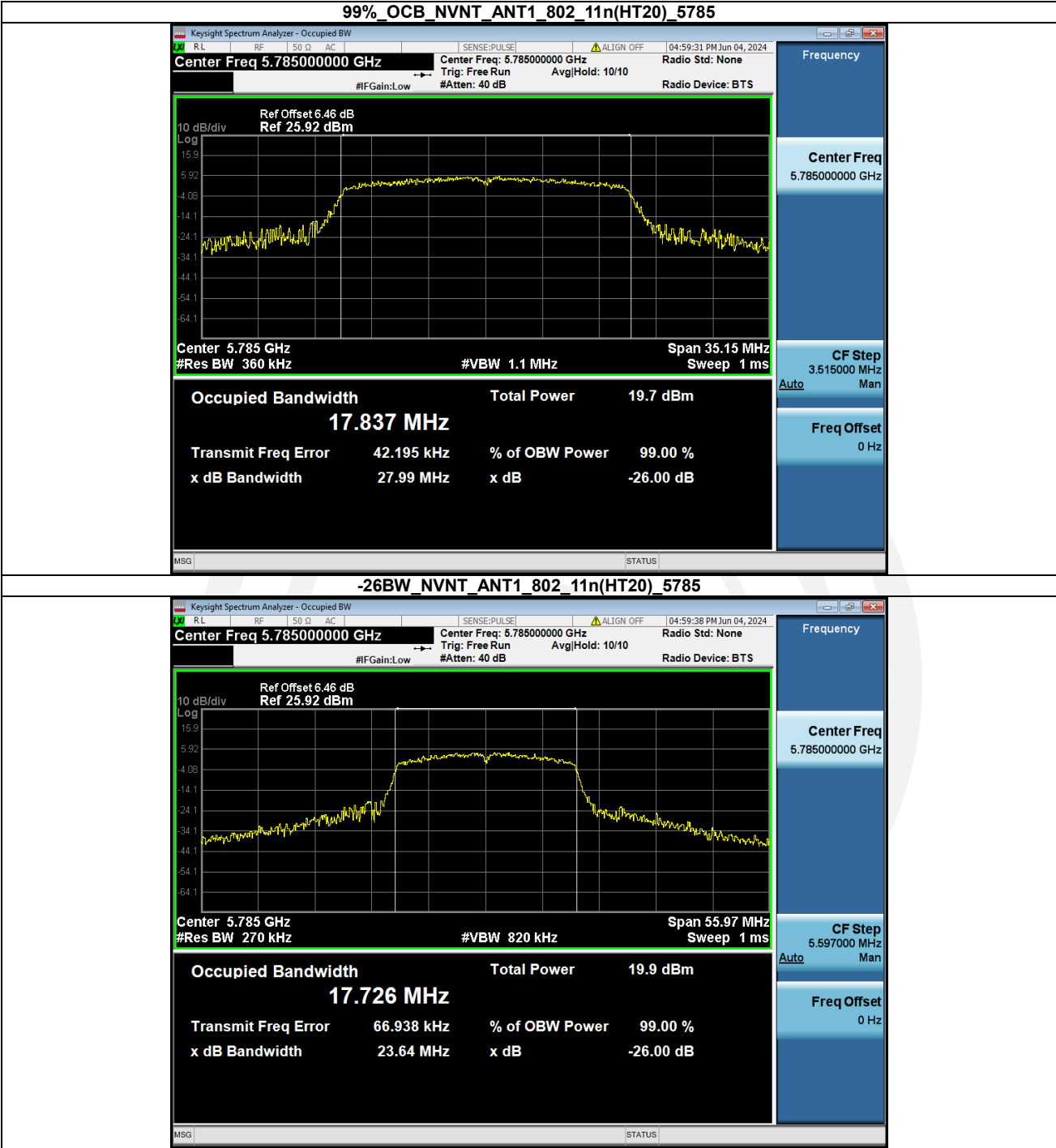
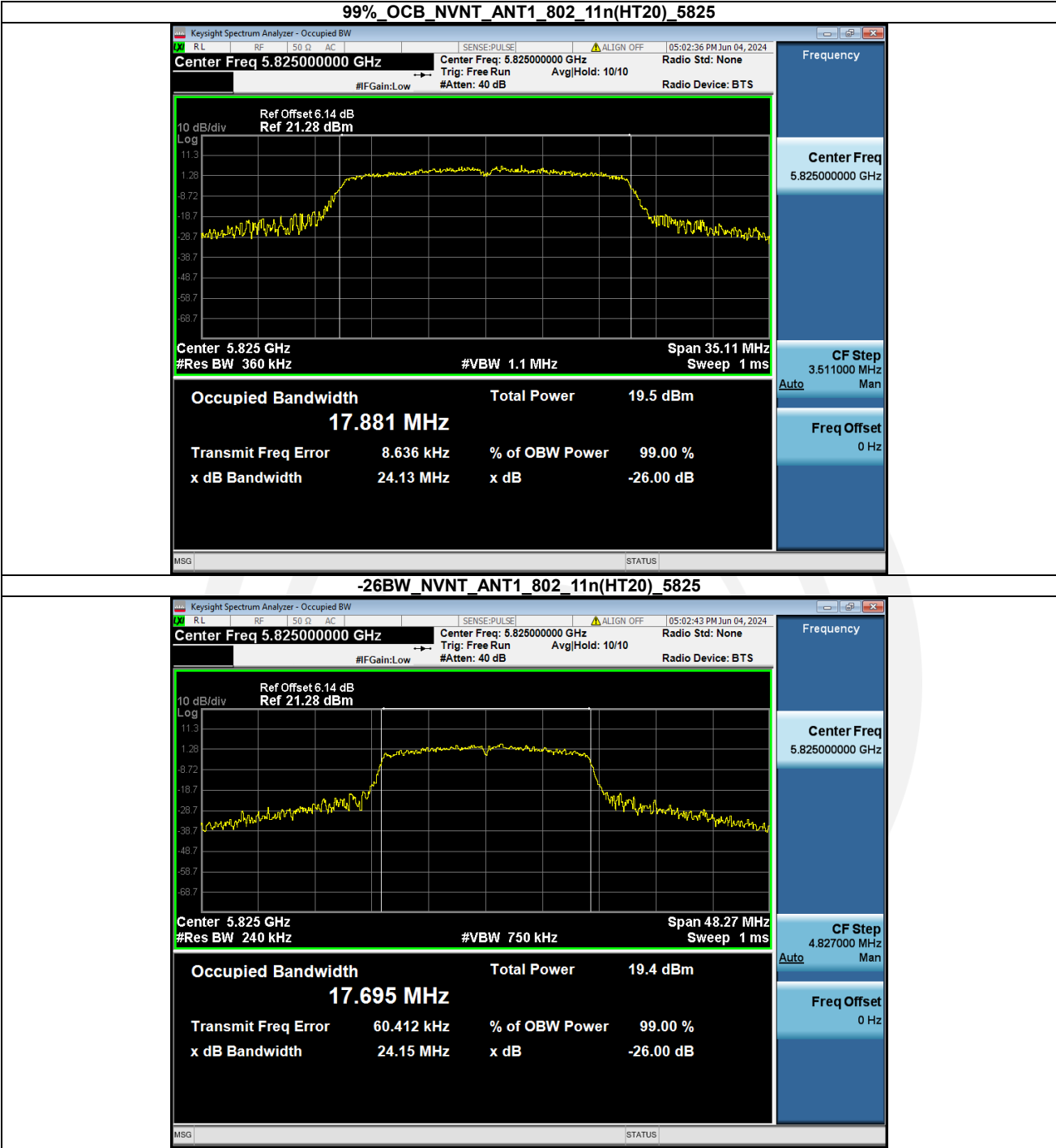


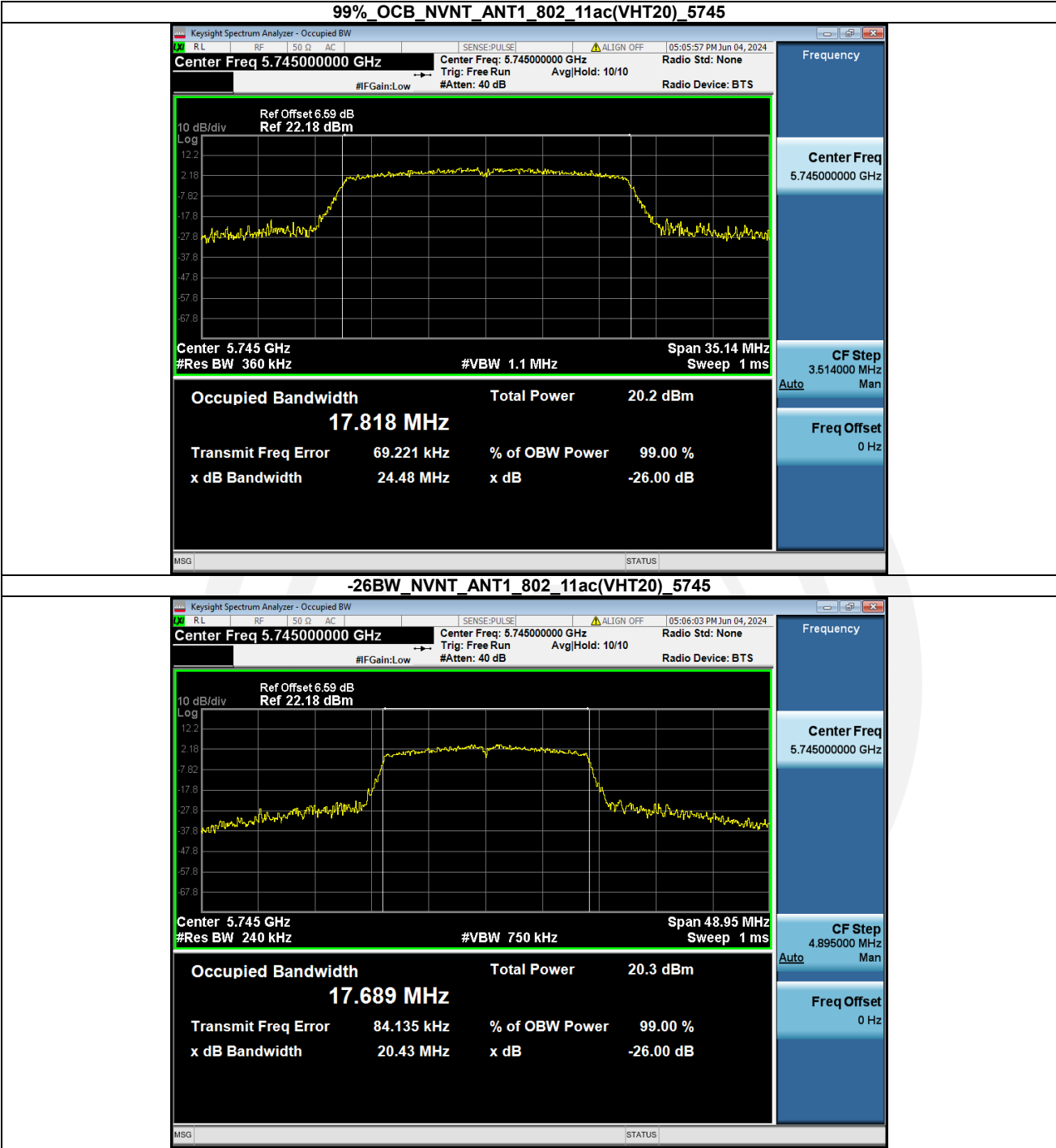


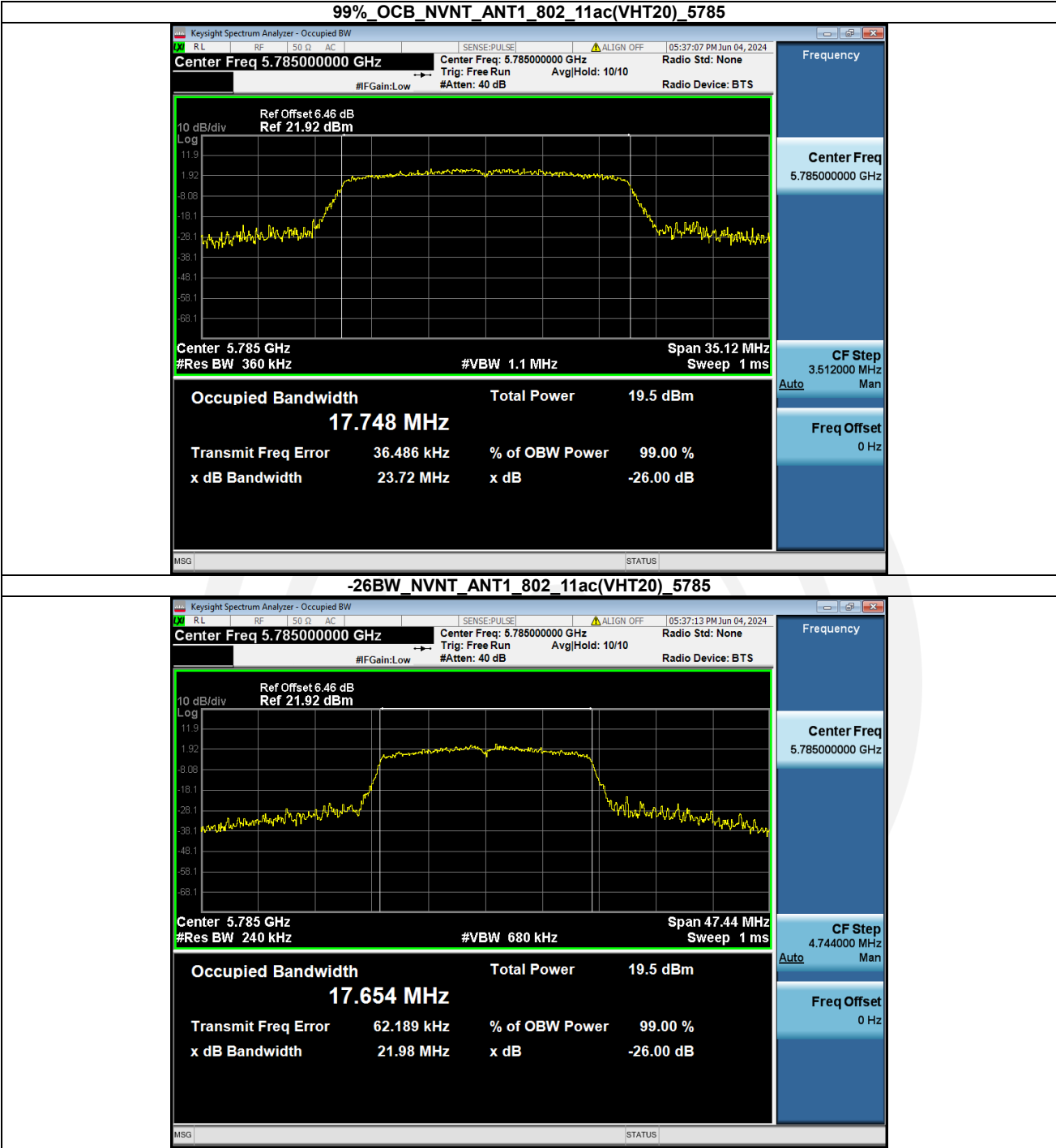


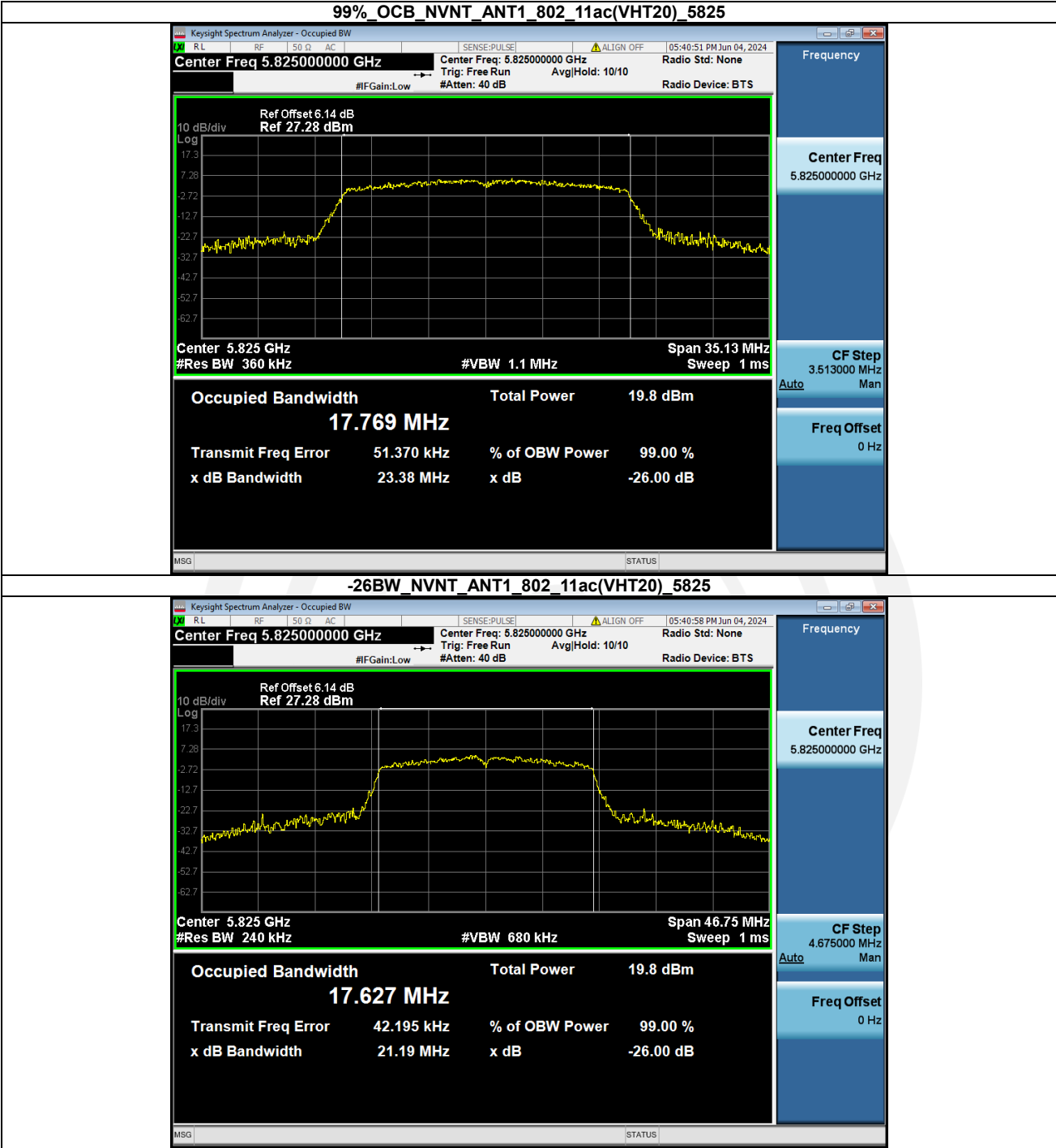


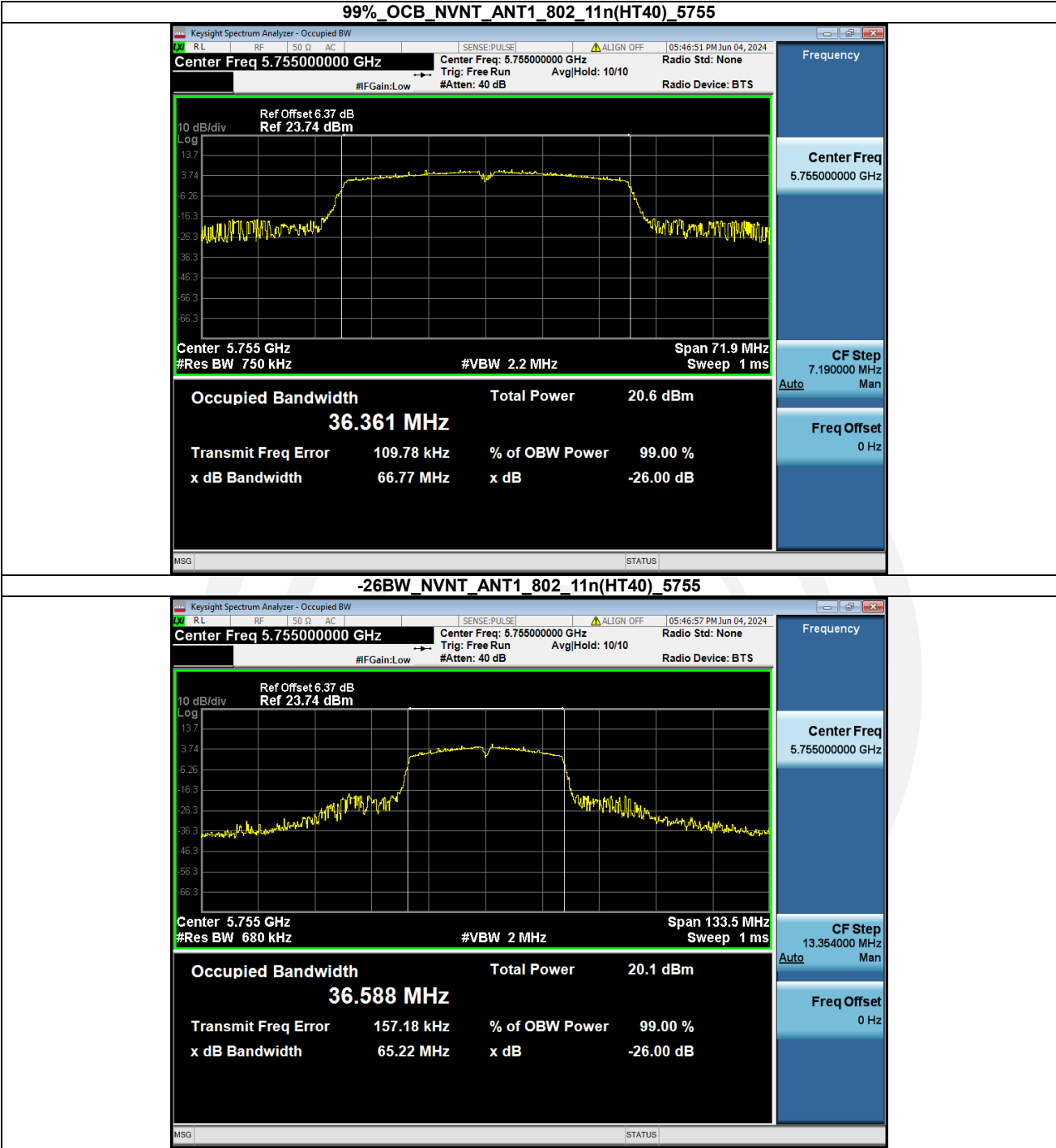


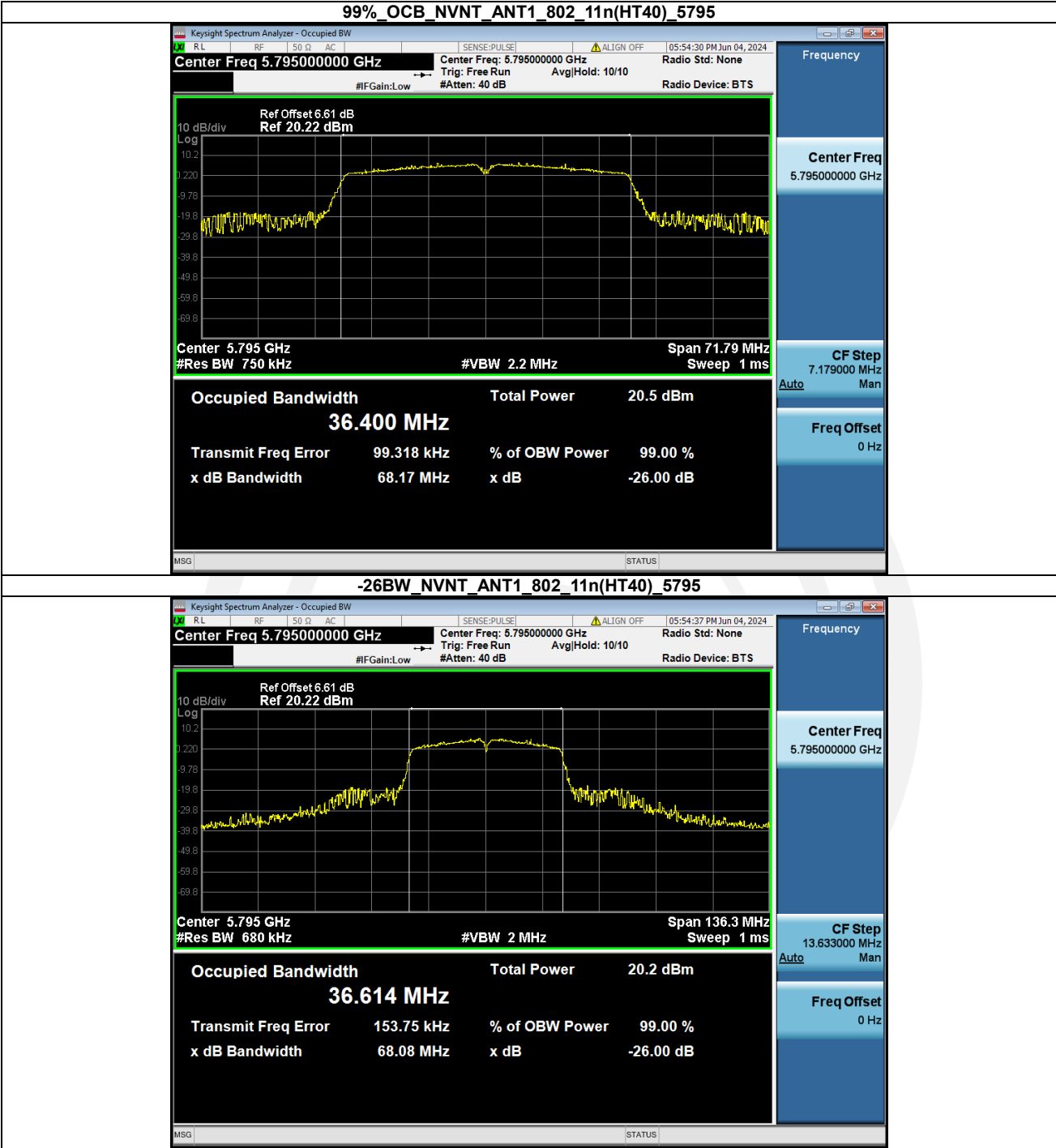


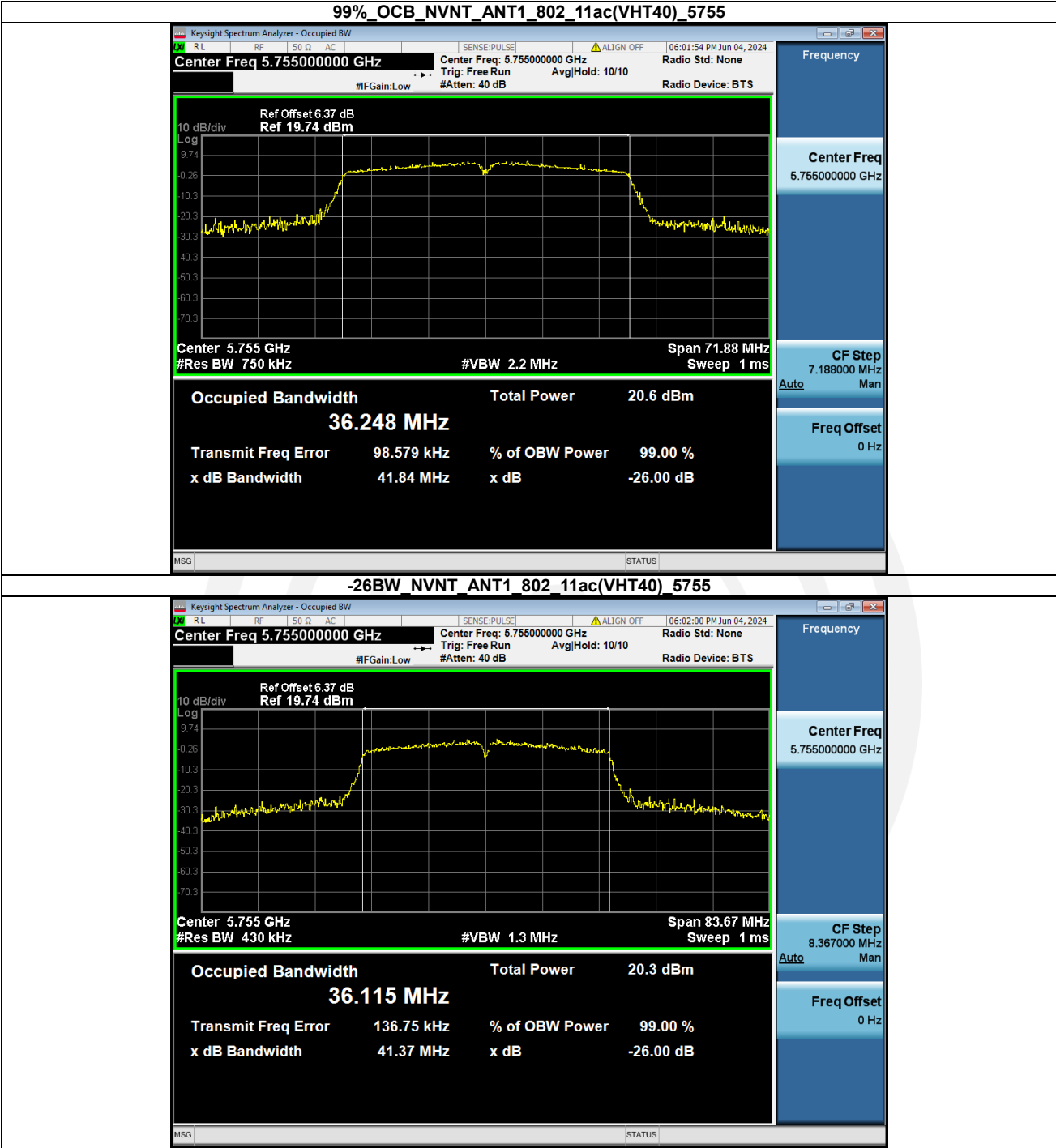


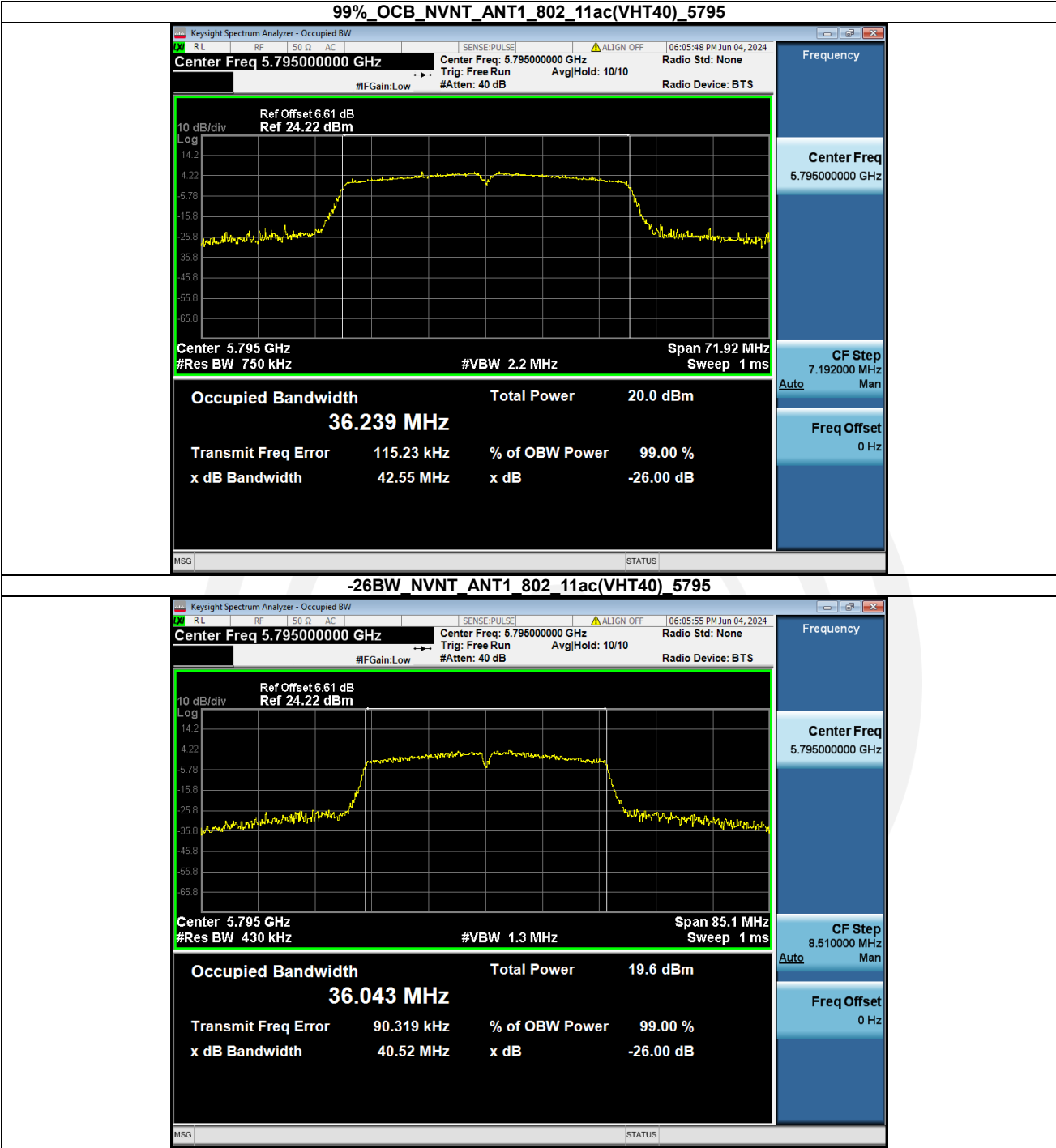




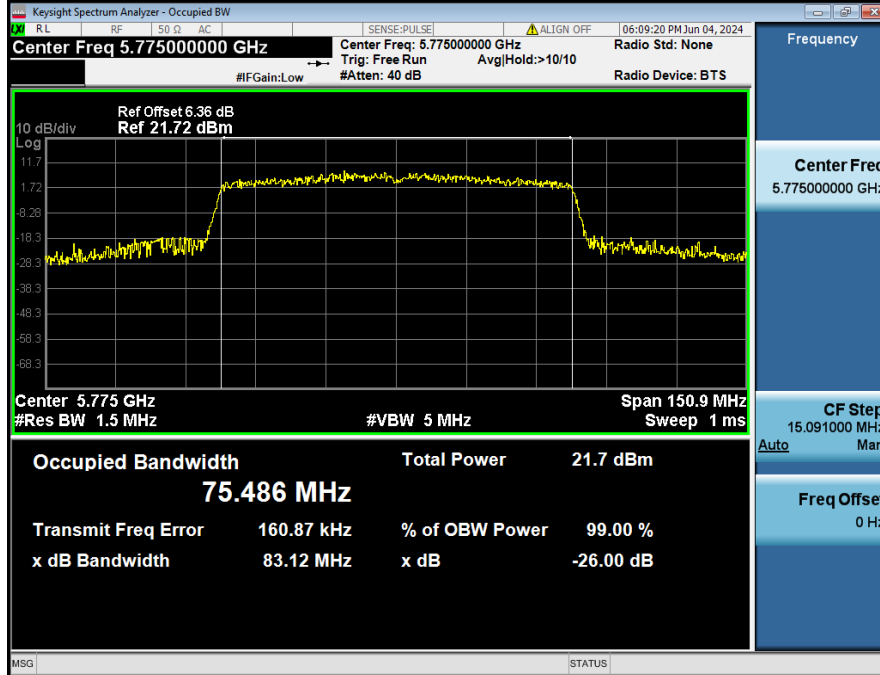




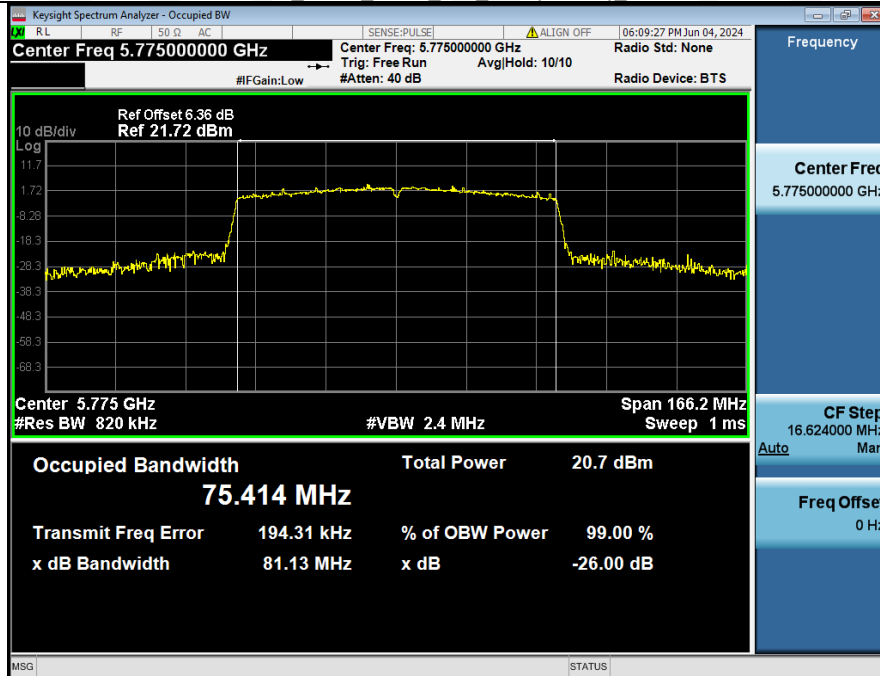




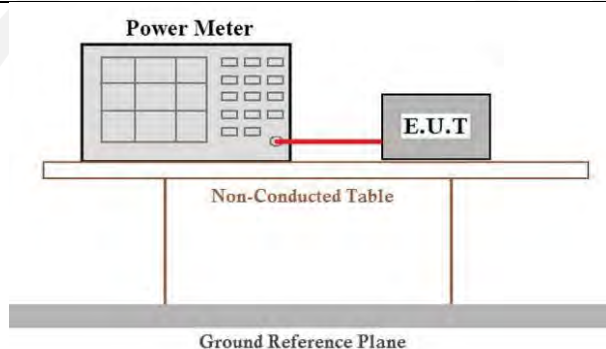
99%_OCB_NVNT_ANT1_802_11ac(VHT80)_5775



-26BW_NVNT_ANT1_802_11ac(VHT80)_5775



4.4 Peak Transmit Power

Test Requirement:	FCC Part15 E Section 15.407, RSS-247 §6.2																					
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. IC: <table><thead><tr><th>Section</th><th>Test Item</th><th>Limit</th><th>Frequency Range (MHz)</th><th>Result</th></tr></thead><tbody><tr><td>6.2.1.1</td><td rowspan="4">Peak Output Power</td><td>200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.</td><td>5150-5250</td><td rowspan="4">PASS</td></tr><tr><td>6.2.2.1</td><td rowspan="3">The lesser of 250 mW or $11 \text{ dBm} + 10 \log_{10} (26 \text{ dB emission bandwidth})$.</td><td>5250-5350</td></tr><tr><td>6.2.3.1</td><td>5470-5725</td></tr><tr><td>6.2.4.1</td><td>5725-5825</td></tr><tr><td></td><td></td><td>1 watt</td><td></td></tr></tbody></table>	Section	Test Item	Limit	Frequency Range (MHz)	Result	6.2.1.1	Peak Output Power	200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.	5150-5250	PASS	6.2.2.1	The lesser of 250 mW or $11 \text{ dBm} + 10 \log_{10} (26 \text{ dB emission bandwidth})$.	5250-5350	6.2.3.1	5470-5725	6.2.4.1	5725-5825			1 watt	
Section	Test Item	Limit	Frequency Range (MHz)	Result																		
6.2.1.1	Peak Output Power	200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.	5150-5250	PASS																		
6.2.2.1		The lesser of 250 mW or $11 \text{ dBm} + 10 \log_{10} (26 \text{ dB emission bandwidth})$.	5250-5350																			
6.2.3.1			5470-5725																			
6.2.4.1			5725-5825																			
		1 watt																				
Test setup:	 The diagram illustrates the test setup. A Power Meter is connected via a red cable to the E.U.T. (Equipment Under Test). Both are placed on a Non-Conducted Table. The table is supported by two vertical legs and sits on a Ground Reference Plane.																					
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)**

Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	FCC Limit (dBm)	IC Limit (dBm)	Result
ANT1	802.11a	5180.00	13.62	0.12	13.74	24	23.01	Pass
ANT1	802.11a	5200.00	14.26	0.12	14.38	24	23.01	Pass
ANT1	802.11a	5240.00	14.40	0.12	14.52	24	23.01	Pass
ANT1	802.11n(HT20)	5180.00	13.40	0.13	13.53	24	23.01	Pass
ANT1	802.11n(HT20)	5200.00	13.83	0.13	13.96	24	23.01	Pass
ANT1	802.11n(HT20)	5240.00	13.65	0.00	13.65	24	23.01	Pass
ANT1	802.11ac(VHT20)	5180.00	13.57	0.13	13.70	24	23.01	Pass
ANT1	802.11ac(VHT20)	5200.00	13.67	0.13	13.80	24	23.01	Pass
ANT1	802.11ac(VHT20)	5240.00	13.73	0.13	13.86	24	23.01	Pass
ANT1	802.11n(HT40)	5190.00	13.31	0.26	13.57	24	23.01	Pass
ANT1	802.11n(HT40)	5230.00	13.89	0.00	13.89	24	23.01	Pass
ANT1	802.11ac(VHT40)	5190.00	13.28	0.26	13.54	24	23.01	Pass
ANT1	802.11ac(VHT40)	5230.00	13.89	0.26	14.15	24	23.01	Pass
ANT1	802.11ac(VHT80)	5210.00	13.55	0.51	14.06	24	23.01	Pass

Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
ANT1	802.11a	5180.00	97.18	0.12
ANT1	802.11a	5200.00	97.22	0.12
ANT1	802.11a	5240.00	97.22	0.12
ANT1	802.11n(HT20)	5180.00	97.01	0.13
ANT1	802.11n(HT20)	5200.00	97.01	0.13
ANT1	802.11n(HT20)	5240.00	98.50	0.00
ANT1	802.11ac(VHT20)	5180.00	97.01	0.13
ANT1	802.11ac(VHT20)	5200.00	97.06	0.13
ANT1	802.11ac(VHT20)	5240.00	97.01	0.13
ANT1	802.11n(HT40)	5190.00	94.12	0.26
ANT1	802.11n(HT40)	5230.00	98.06	0.00
ANT1	802.11ac(VHT40)	5190.00	94.12	0.26
ANT1	802.11ac(VHT40)	5230.00	94.12	0.26
ANT1	802.11ac(VHT80)	5210.00	88.89	0.51

Band 2 (5260-5320 MHz):

Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
ANT1	802.11a	5260.00	13.26	0.12	13.38	24	Pass
ANT1	802.11a	5300.00	12.59	0.12	12.71	24	Pass
ANT1	802.11a	5320.00	12.79	0.12	12.91	24	Pass
ANT1	802.11n(HT20)	5260.00	13.05	0.13	13.18	24	Pass
ANT1	802.11n(HT20)	5300.00	12.86	0.13	12.99	24	Pass
ANT1	802.11n(HT20)	5320.00	12.85	0.13	12.98	24	Pass
ANT1	802.11ac(VHT20)	5260.00	13.00	0.13	13.13	24	Pass
ANT1	802.11ac(VHT20)	5300.00	12.83	0.13	12.96	24	Pass
ANT1	802.11ac(VHT20)	5320.00	12.26	0.13	12.39	24	Pass
ANT1	802.11n(HT40)	5270.00	12.76	0.26	13.02	24	Pass
ANT1	802.11n(HT40)	5310.00	12.47	0.00	12.47	24	Pass
ANT1	802.11ac(VHT40)	5270.00	13.05	0.13	13.18	24	Pass
ANT1	802.11ac(VHT40)	5310.00	13.03	0.13	13.16	24	Pass
ANT1	802.11ac(VHT80)	5290.00	12.91	0.51	13.42	24	Pass

Antenna	Modulation	Frequency(MHz)	Duty cycle(%)	Duty_factor
ANT1	802.11a	5260.00	97.18	0.12
ANT1	802.11a	5300.00	97.18	0.12
ANT1	802.11a	5320.00	97.18	0.12
ANT1	802.11n(HT20)	5260.00	97.01	0.13
ANT1	802.11n(HT20)	5300.00	97.01	0.13
ANT1	802.11n(HT20)	5320.00	97.01	0.13
ANT1	802.11ac(VHT20)	5260.00	97.01	0.13
ANT1	802.11ac(VHT20)	5300.00	97.01	0.13
ANT1	802.11ac(VHT20)	5320.00	97.01	0.13
ANT1	802.11n(HT40)	5270.00	94.12	0.26
ANT1	802.11n(HT40)	5310.00	98.06	0.00
ANT1	802.11ac(VHT40)	5270.00	97.10	0.13
ANT1	802.11ac(VHT40)	5310.00	97.10	0.13
ANT1	802.11ac(VHT80)	5290.00	88.89	0.51

Band 3 (5500-5570 MHz):

Antenna	Modulation	Frequency(MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
ANT1	802.11a	5500	12.20	0.00	12.20	24	Pass
ANT1	802.11a	5600	12.10	0.12	12.22	24	Pass
ANT1	802.11a	5700.00	12.95	0.12	13.07	24	Pass
ANT1	802.11n(HT20)	5500	12.40	0.13	12.53	24	Pass
ANT1	802.11n(HT20)	5600	11.98	0.13	12.11	24	Pass
ANT1	802.11n(HT20)	5700.00	12.82	0.13	12.95	24	Pass
ANT1	802.11ac(VHT20)	5500	12.47	0.13	12.60	24	Pass
ANT1	802.11ac(VHT20)	5600	11.68	0.13	11.81	24	Pass
ANT1	802.11ac(VHT20)	5700.00	12.82	0.13	12.95	24	Pass
ANT1	802.11n(HT40)	5510	12.33	0.00	12.33	24	Pass
ANT1	802.11n(HT40)	5590	11.51	0.26	11.77	24	Pass
ANT1	802.11n(HT40)	5670	13.18	0.26	13.44	24	Pass
ANT1	802.11ac(VHT40)	5510	12.34	0.26	12.60	24	Pass
ANT1	802.11ac(VHT40)	5590	11.77	0.26	12.03	24	Pass
ANT1	802.11ac(VHT40)	5670	13.17	0.26	13.43	24	Pass
ANT1	802.11ac(VHT80)	5530	11.69	0.51	12.20	24	Pass
ANT1	802.11ac(VHT80)	5610	11.50	0.51	12.01	24	Pass

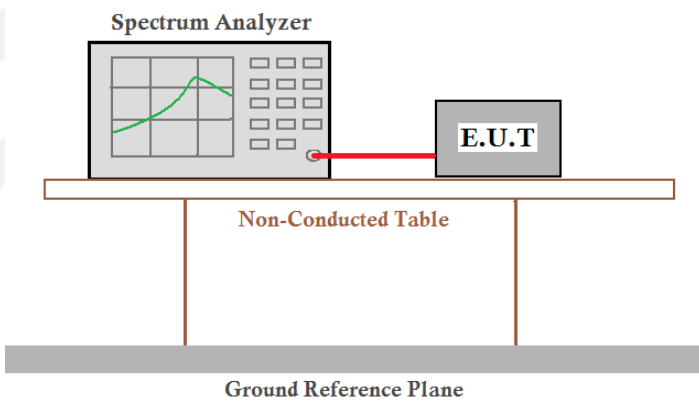
Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
ANT1	802.11a	5500	98.60	0.00
ANT1	802.11a	5600	97.18	0.12
ANT1	802.11a	5700.00	97.18	0.12
ANT1	802.11n(HT20)	5500	97.01	0.13
ANT1	802.11n(HT20)	5600	97.01	0.13
ANT1	802.11n(HT20)	5700.00	97.01	0.13
ANT1	802.11ac(VHT20)	5500	97.01	0.13
ANT1	802.11ac(VHT20)	5600	97.01	0.13
ANT1	802.11ac(VHT20)	5700.00	97.01	0.13
ANT1	802.11n(HT40)	5510	98.06	0.00
ANT1	802.11n(HT40)	5590	94.12	0.26
ANT1	802.11n(HT40)	5670	94.12	0.26
ANT1	802.11ac(VHT40)	5510	94.12	0.26
ANT1	802.11ac(VHT40)	5590	94.12	0.26
ANT1	802.11ac(VHT40)	5670	94.12	0.26
ANT1	802.11ac(VHT80)	5530	88.89	0.51
ANT1	802.11ac(VHT80)	5610	88.89	0.51

Band 4 (5725 – 5850 MHz)

Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
ANT1	802.11a	5745.00	14.33	0.12	14.45	30	Pass
ANT1	802.11a	5785.00	13.01	0.00	13.01	30	Pass
ANT1	802.11a	5825.00	13.41	0.12	13.53	30	Pass
ANT1	802.11n(HT20)	5745.00	13.86	0.13	13.99	30	Pass
ANT1	802.11n(HT20)	5785.00	13.19	0.13	13.32	30	Pass
ANT1	802.11n(HT20)	5825.00	12.90	0.13	13.03	30	Pass
ANT1	802.11ac(VHT20)	5745.00	13.84	0.00	13.84	30	Pass
ANT1	802.11ac(VHT20)	5785.00	12.84	0.13	12.97	30	Pass
ANT1	802.11ac(VHT20)	5825.00	13.14	0.13	13.27	30	Pass
ANT1	802.11n(HT40)	5755.00	13.46	0.26	13.72	30	Pass
ANT1	802.11n(HT40)	5795.00	13.33	0.26	13.59	30	Pass
ANT1	802.11ac(VHT40)	5755.00	13.47	0.26	13.73	30	Pass
ANT1	802.11ac(VHT40)	5795.00	12.87	0.26	13.13	30	Pass
ANT1	802.11ac(VHT80)	5775.00	12.75	0.51	13.26	30	Pass

Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
ANT1	802.11a	5745.00	97.18	0.12
ANT1	802.11a	5785.00	98.60	0.00
ANT1	802.11a	5825.00	97.18	0.12
ANT1	802.11n(HT20)	5745.00	97.01	0.13
ANT1	802.11n(HT20)	5785.00	97.01	0.13
ANT1	802.11n(HT20)	5825.00	97.01	0.13
ANT1	802.11ac(VHT20)	5745.00	98.52	0.00
ANT1	802.11ac(VHT20)	5785.00	97.01	0.13
ANT1	802.11ac(VHT20)	5825.00	97.01	0.13
ANT1	802.11n(HT40)	5755.00	94.12	0.26
ANT1	802.11n(HT40)	5795.00	94.12	0.26
ANT1	802.11ac(VHT40)	5755.00	94.12	0.26
ANT1	802.11ac(VHT40)	5795.00	94.29	0.26
ANT1	802.11ac(VHT80)	5775.00	88.89	0.51

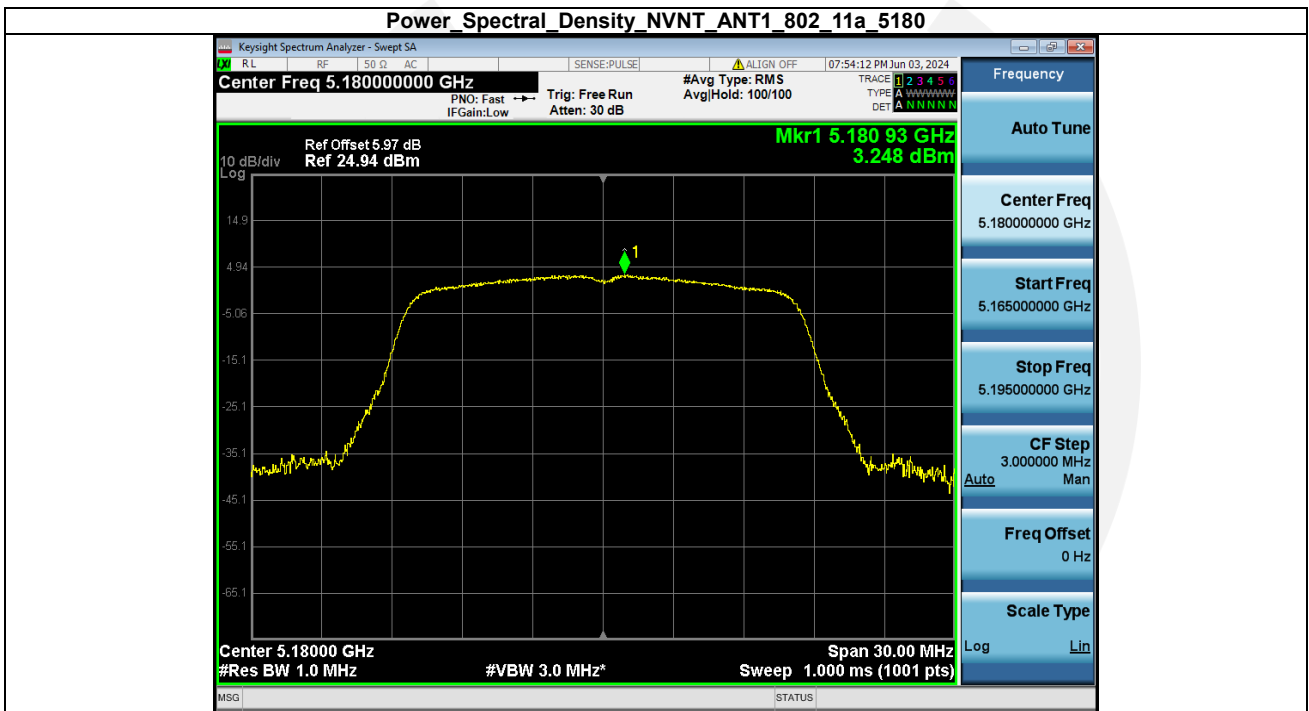
4.5 Power Spectral Density

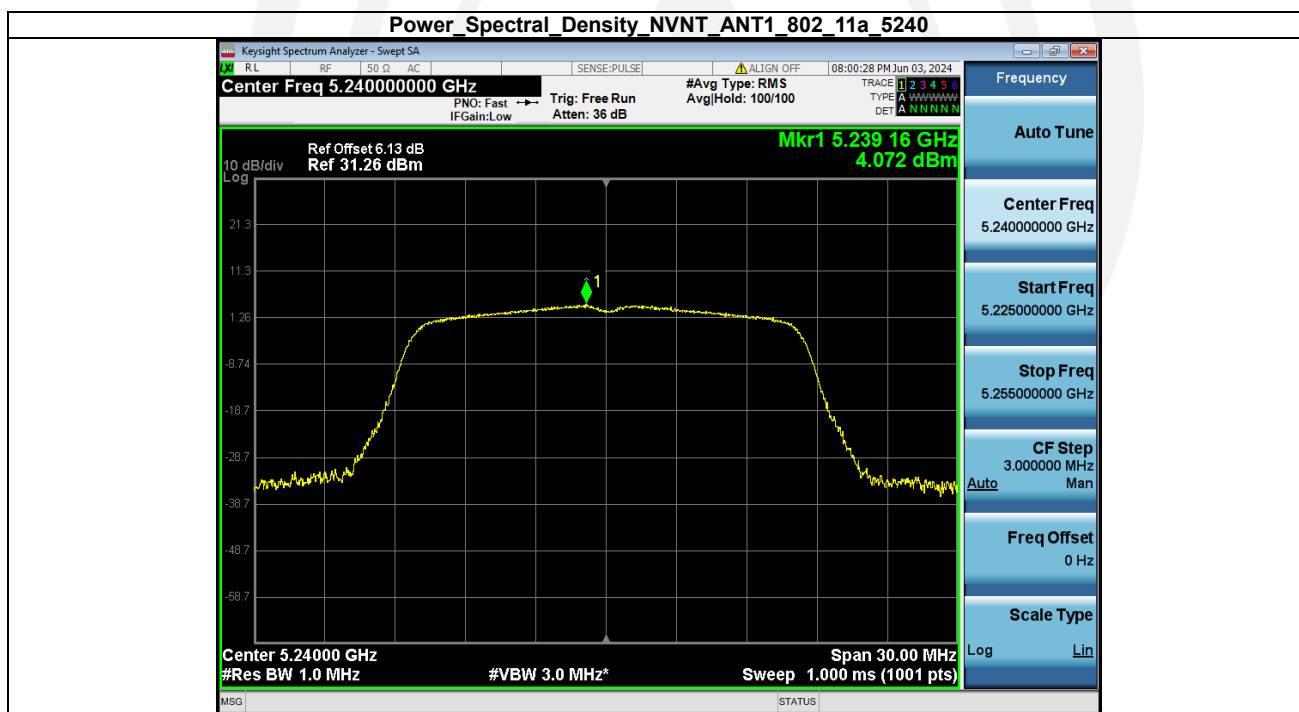
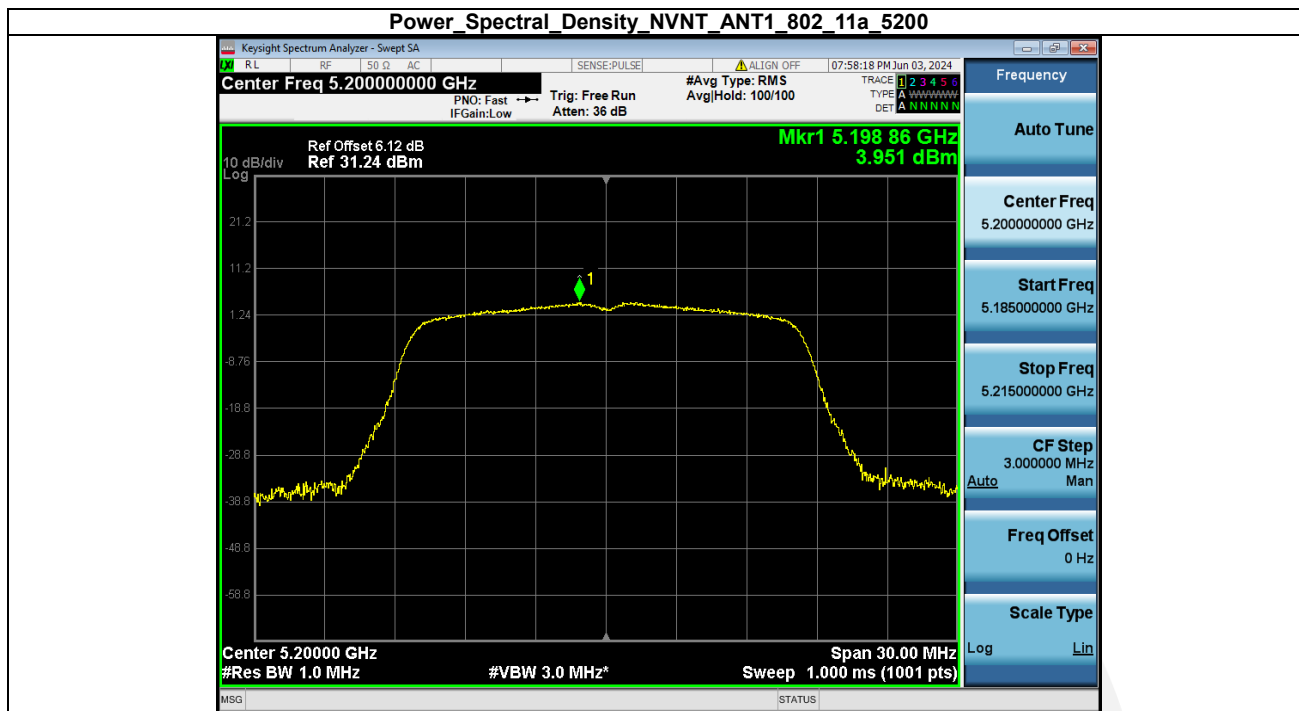
Test Requirement:	FCC Part15 E Section 15.407, RSS-247 §6.2
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	FCC: 1. $\leq 11.00 \text{ dBm/MHz}$ for 5150MHz-5250MHz, 5250-5350MHz and 5470-5725 MHz 2. $\leq 30.00 \text{ dBm/500KHz}$ for 5725MHz-5850MHz IC: 1. For the 5.15-5.25 GHz, The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band. 2. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.
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

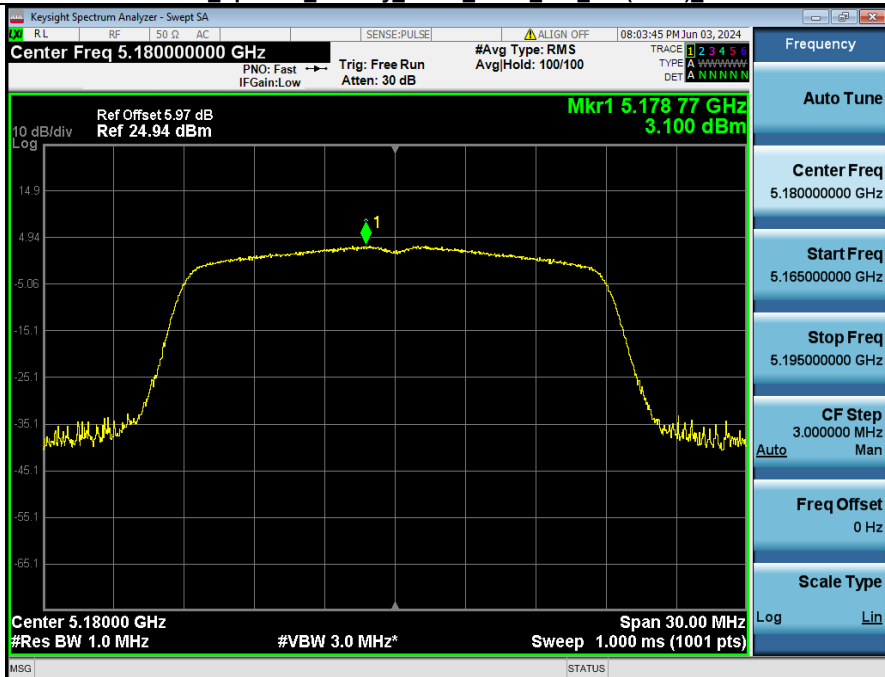
Band 1 (5150-5250 MHz)

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	3.25	0.12	3.37	11	Pass
NVNT	ANT1	802.11a	5200.00	3.95	0.12	4.07	11	Pass
NVNT	ANT1	802.11a	5240.00	4.07	0.12	4.19	11	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	3.10	0.13	3.23	11	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	3.46	0.13	3.58	11	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	3.22	0.00	3.22	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	3.12	0.13	3.25	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	3.24	0.13	3.37	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	3.29	0.13	3.42	11	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	-0.02	0.26	0.24	11	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	0.43	0.00	0.43	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	-0.12	0.26	0.14	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	0.47	0.26	0.73	11	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	-2.95	0.51	-2.44	11	Pass

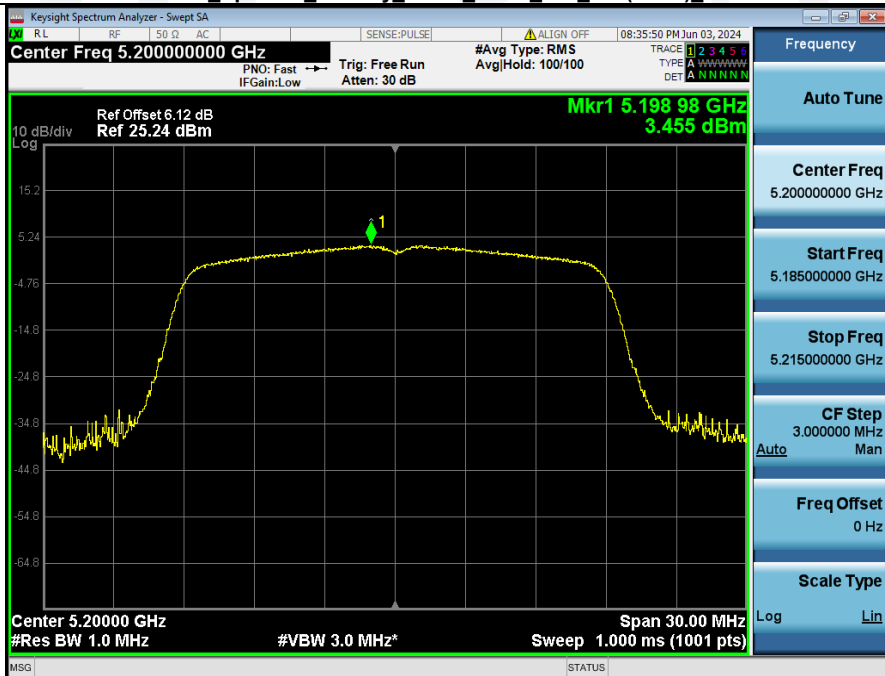


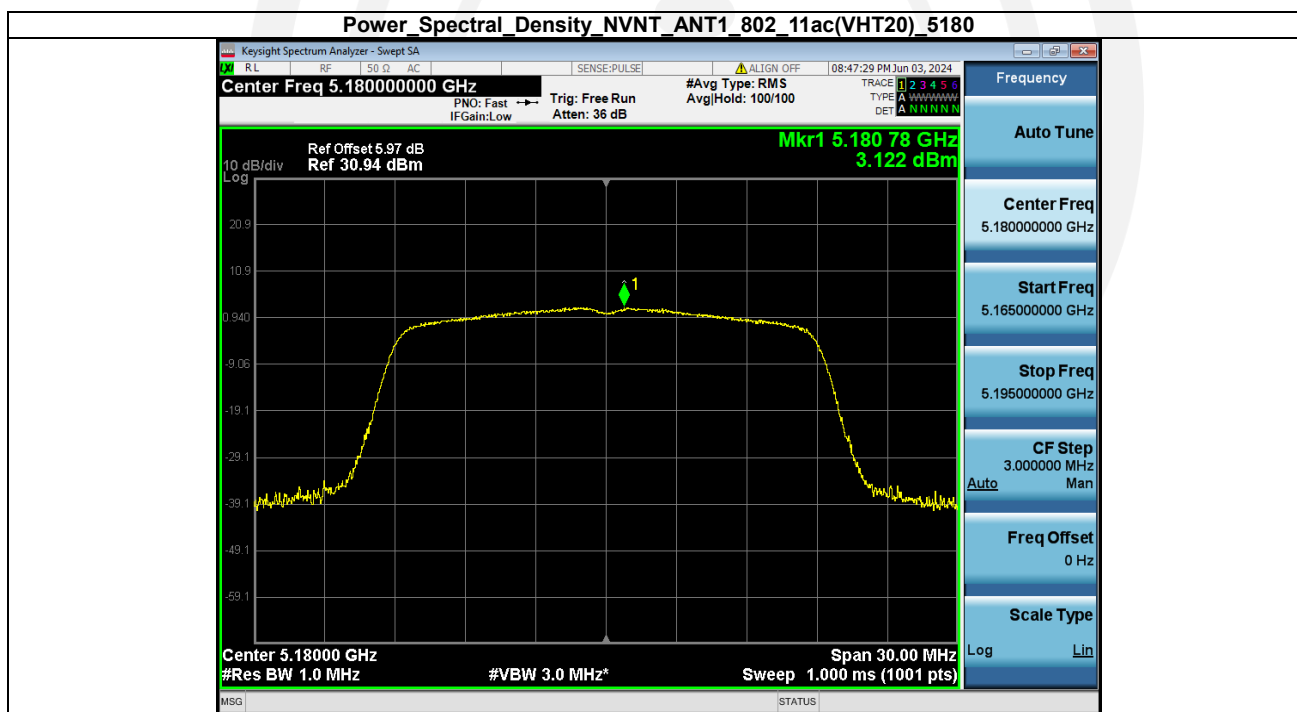
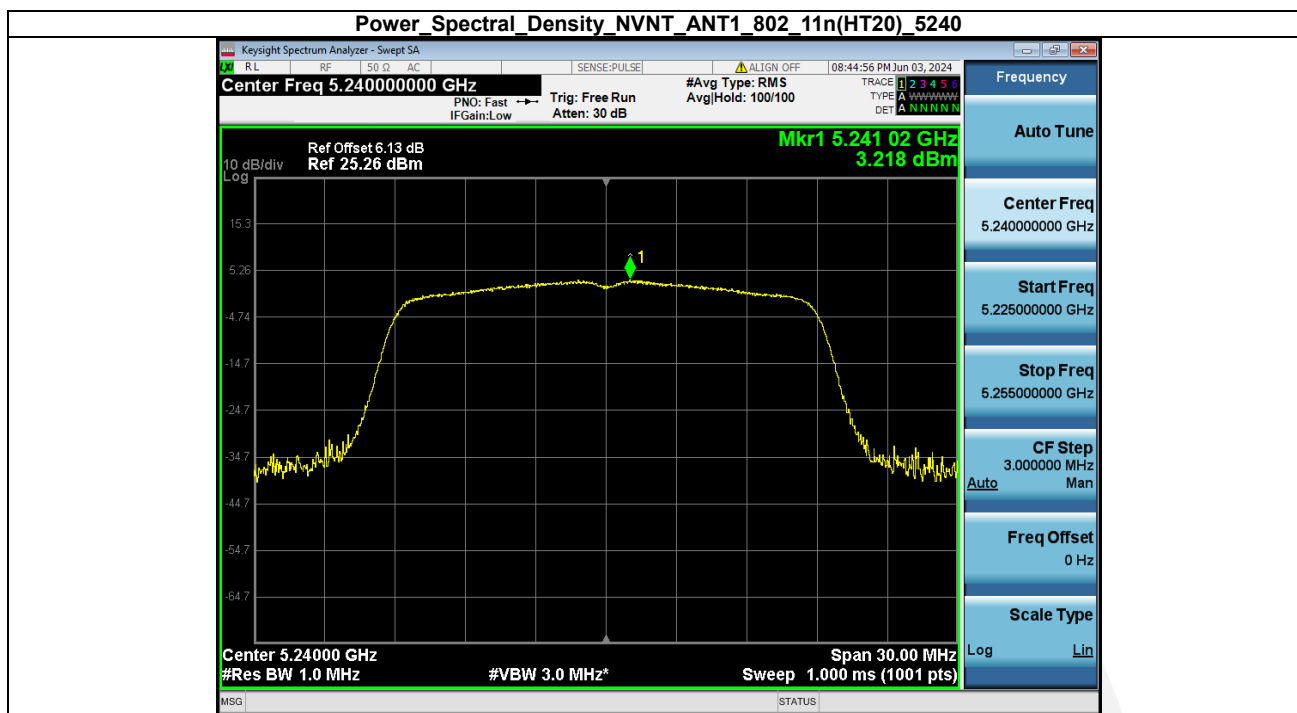


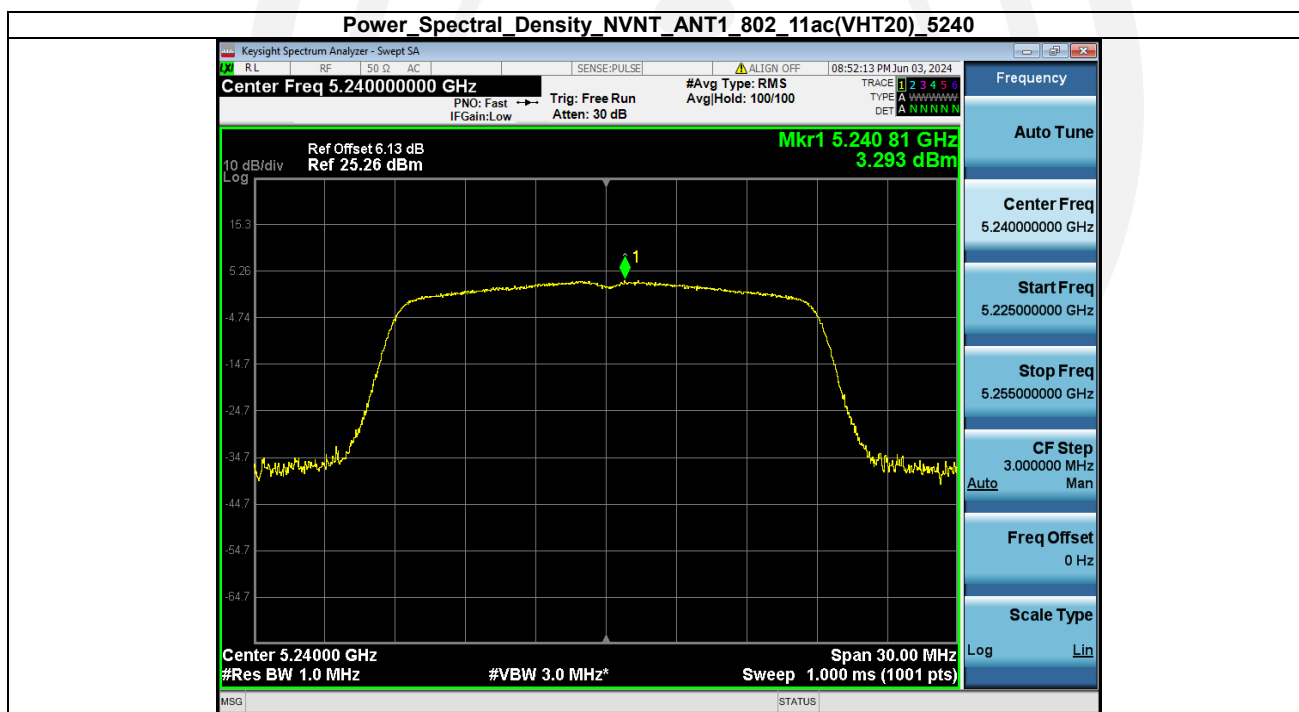
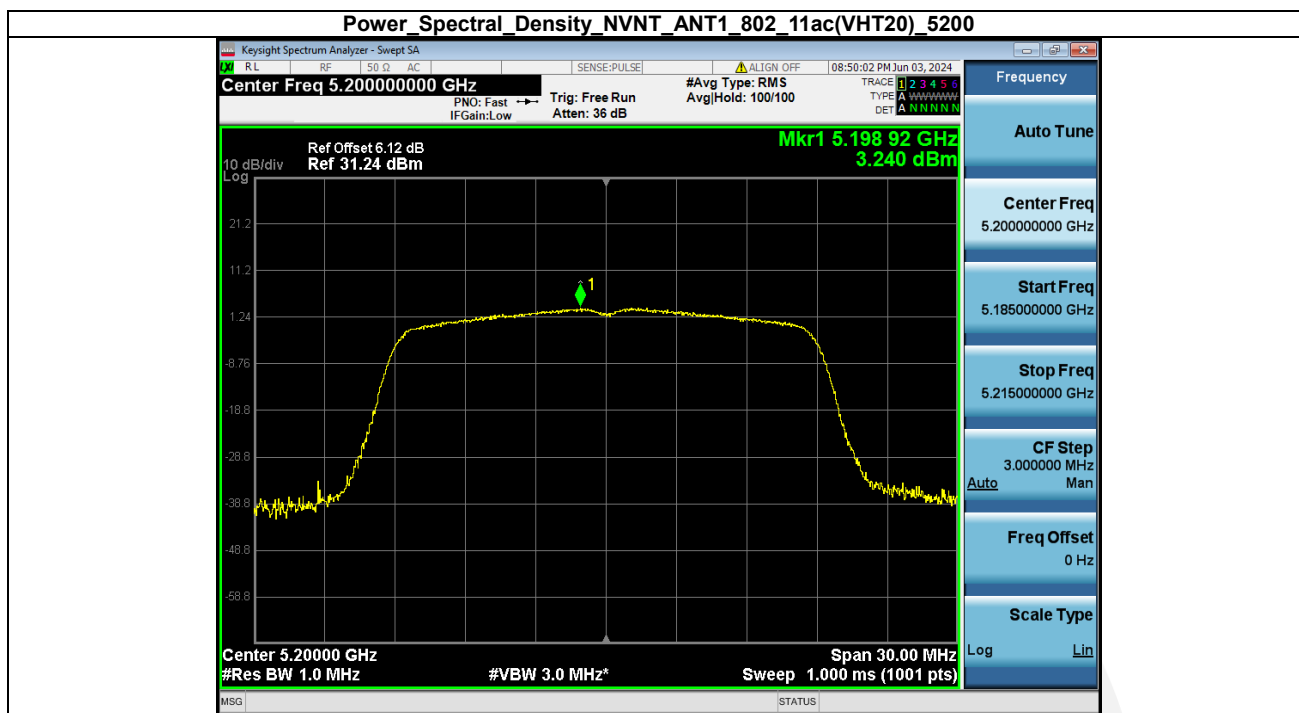
Power Spectral Density NVNT_ANT1_802_11n(HT20)_5180

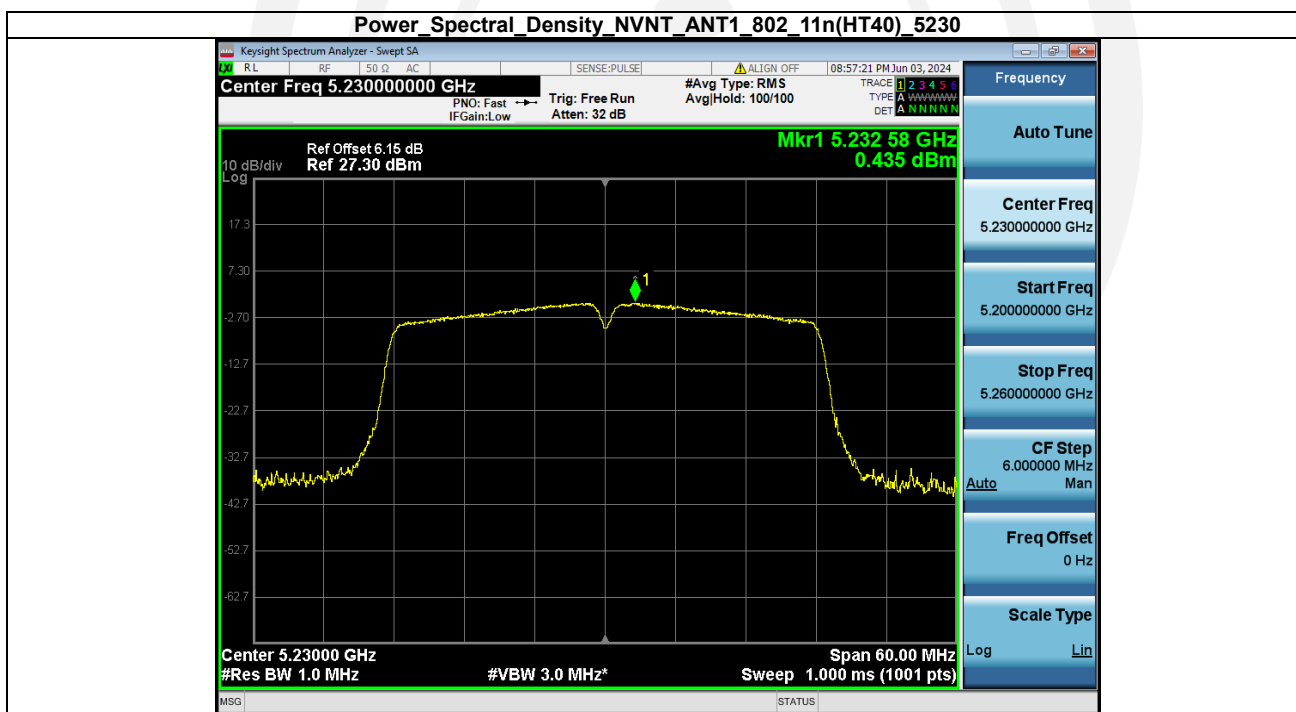
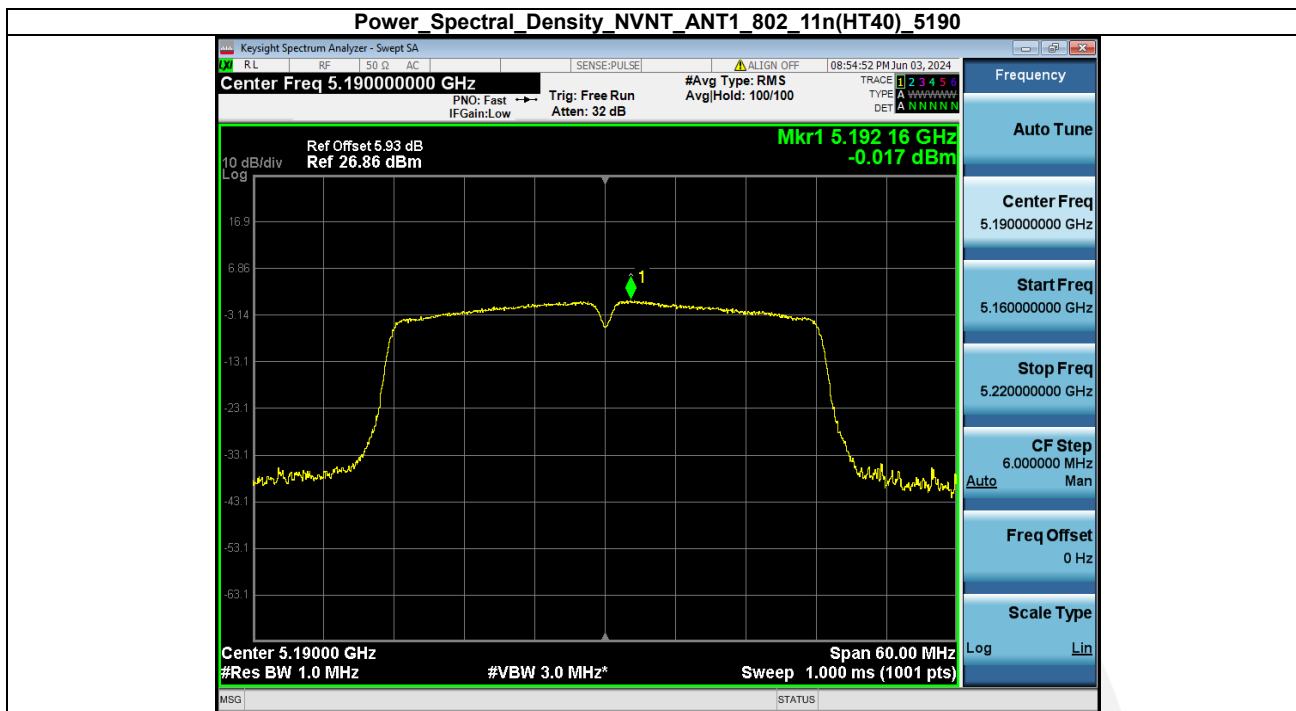


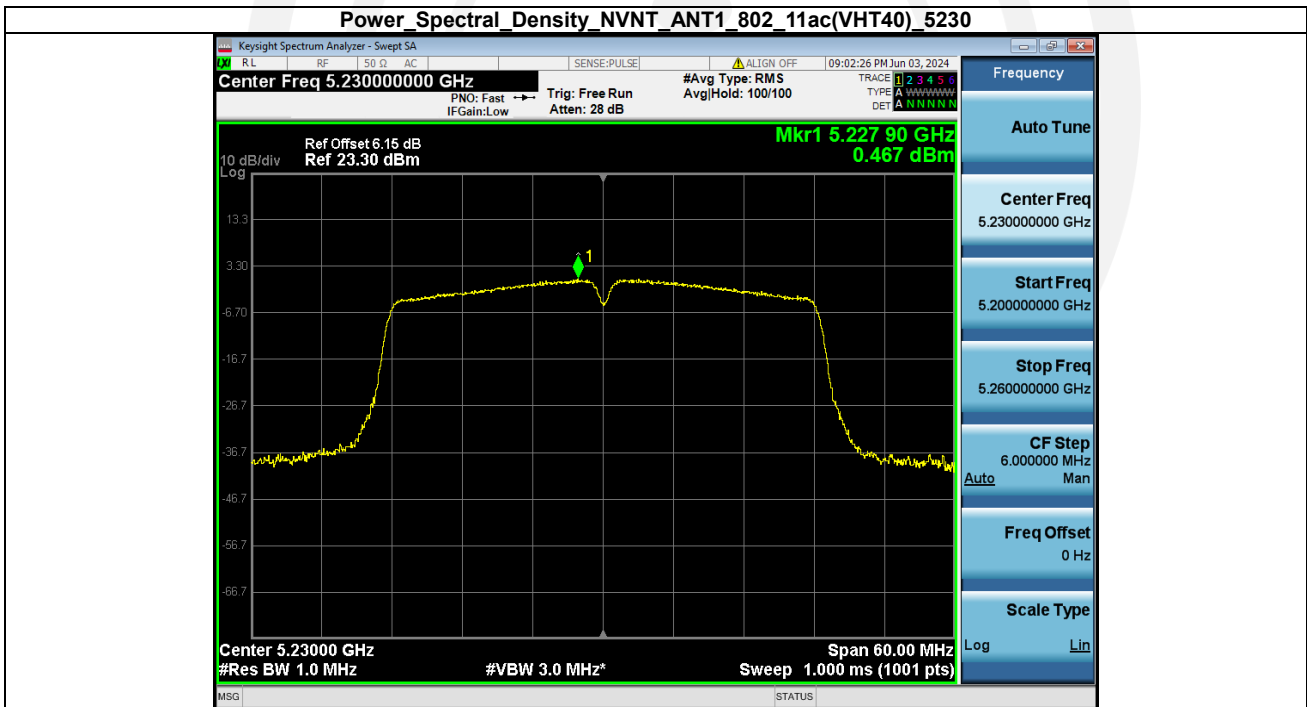
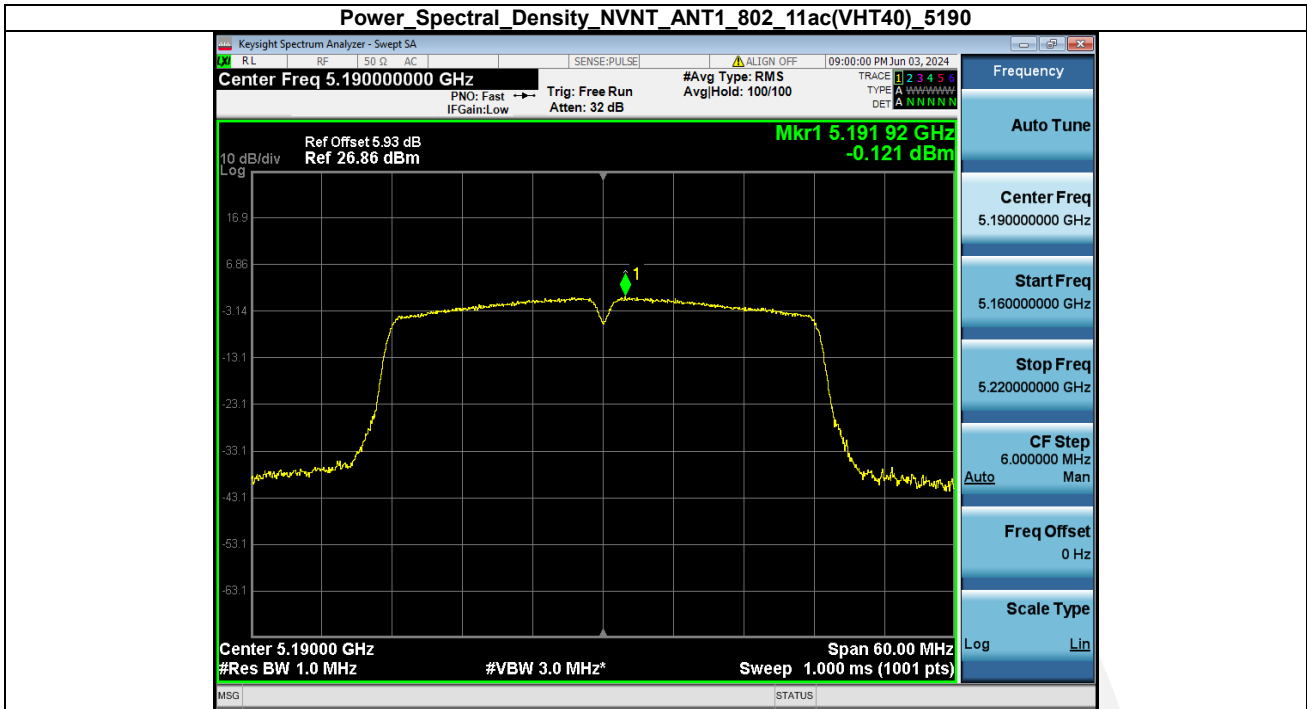
Power Spectral Density NVNT_ANT1_802_11n(HT20)_5200

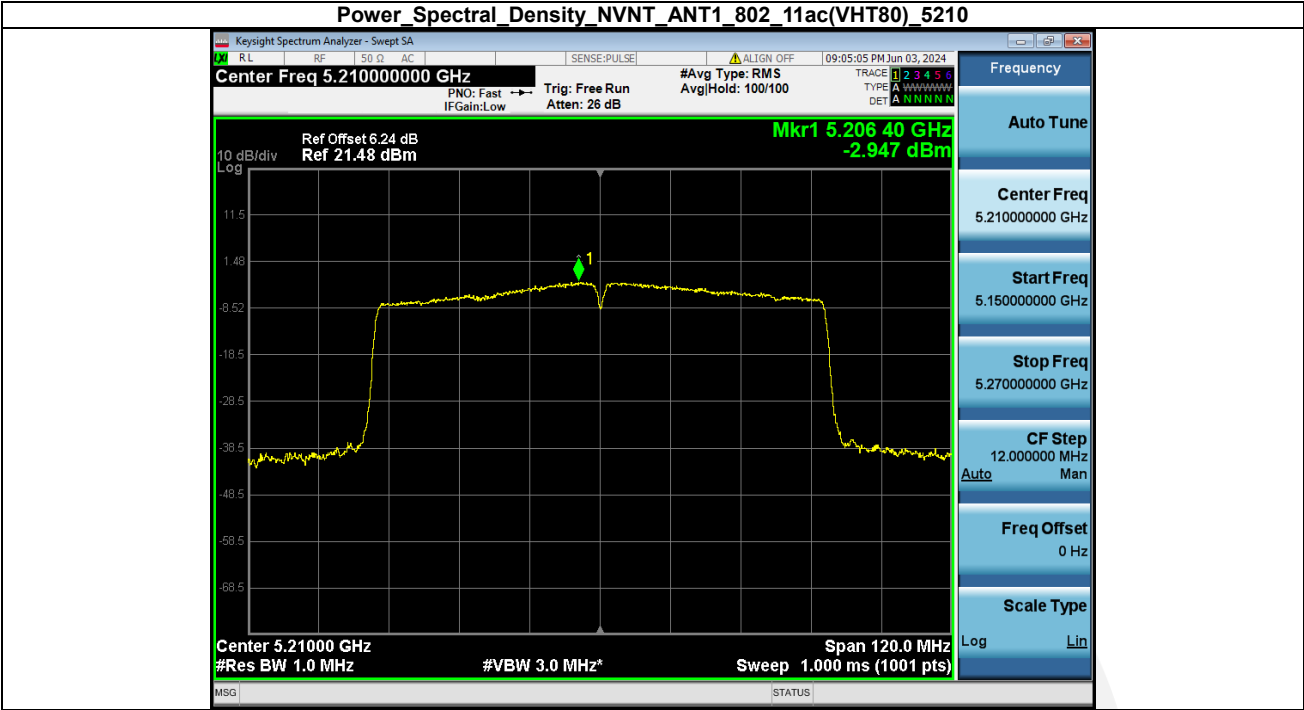






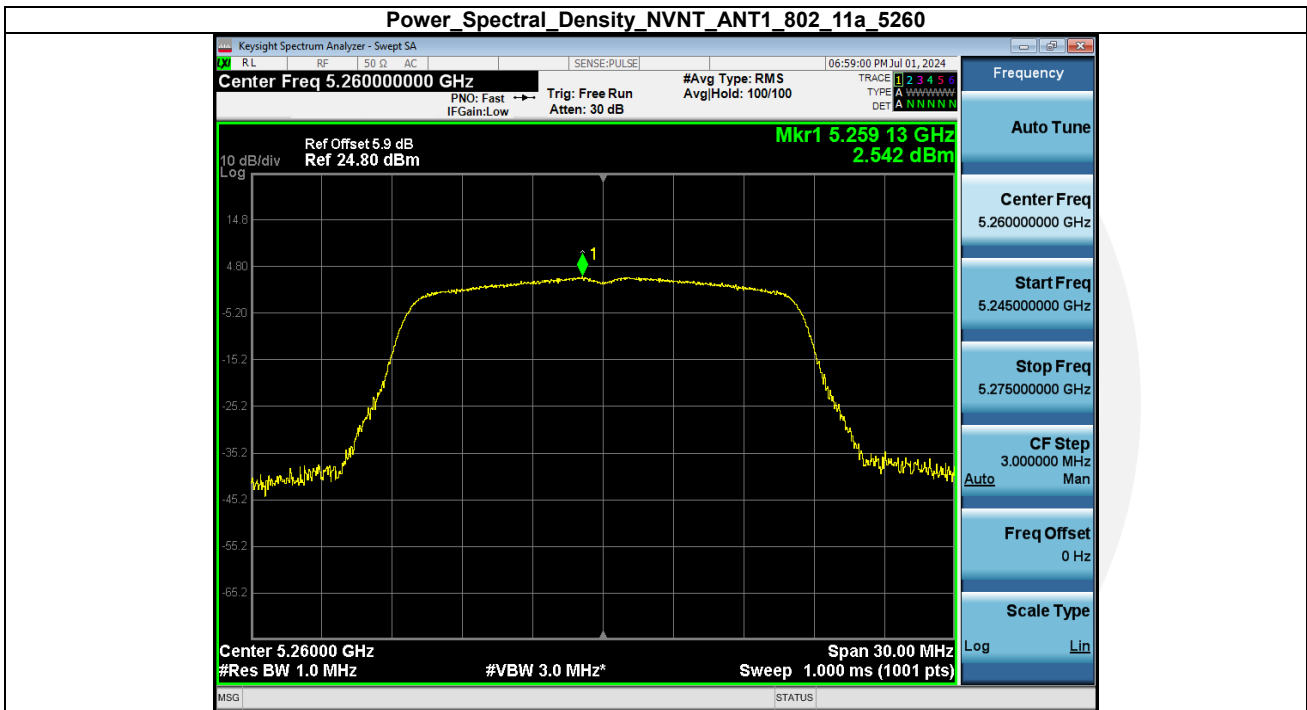


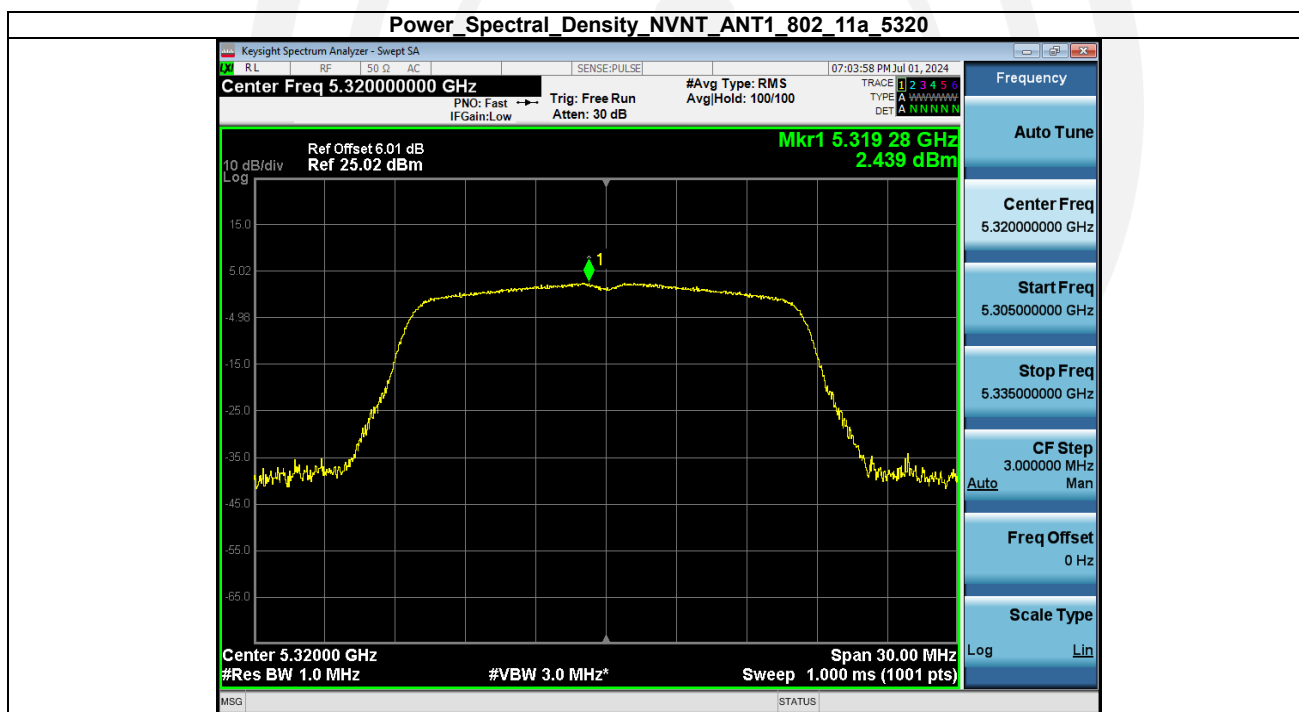
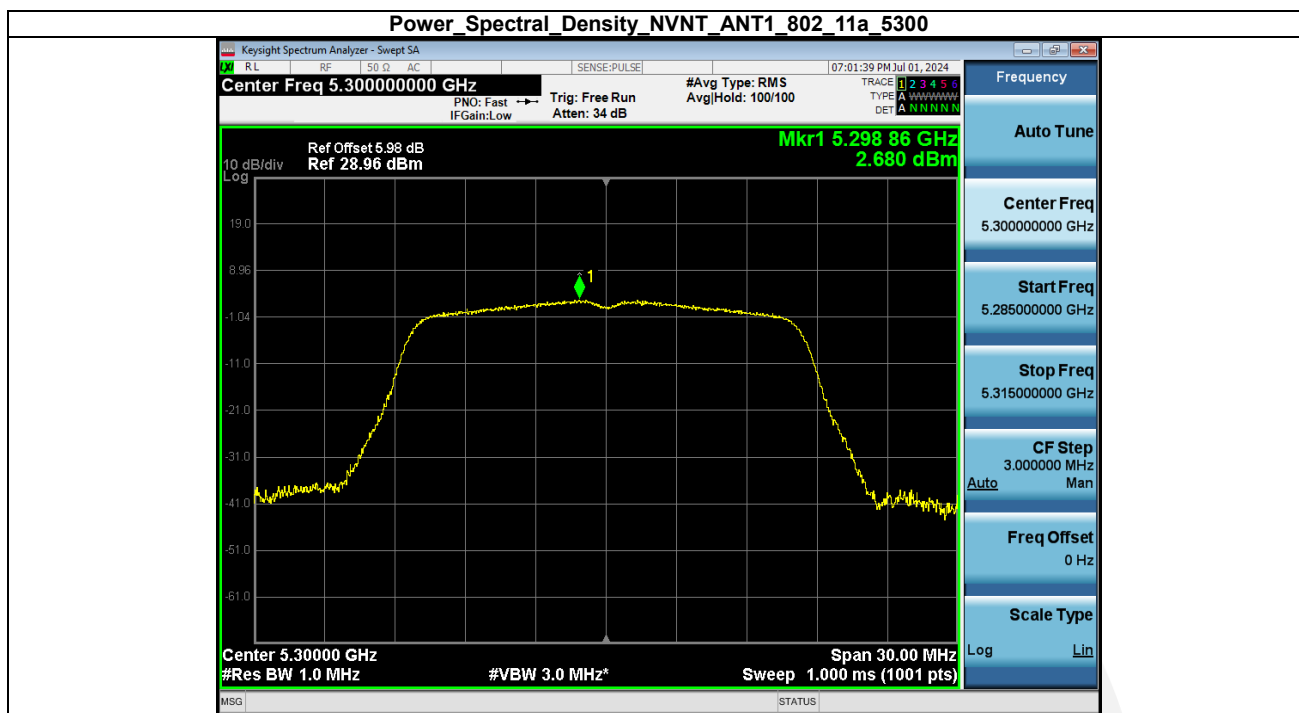


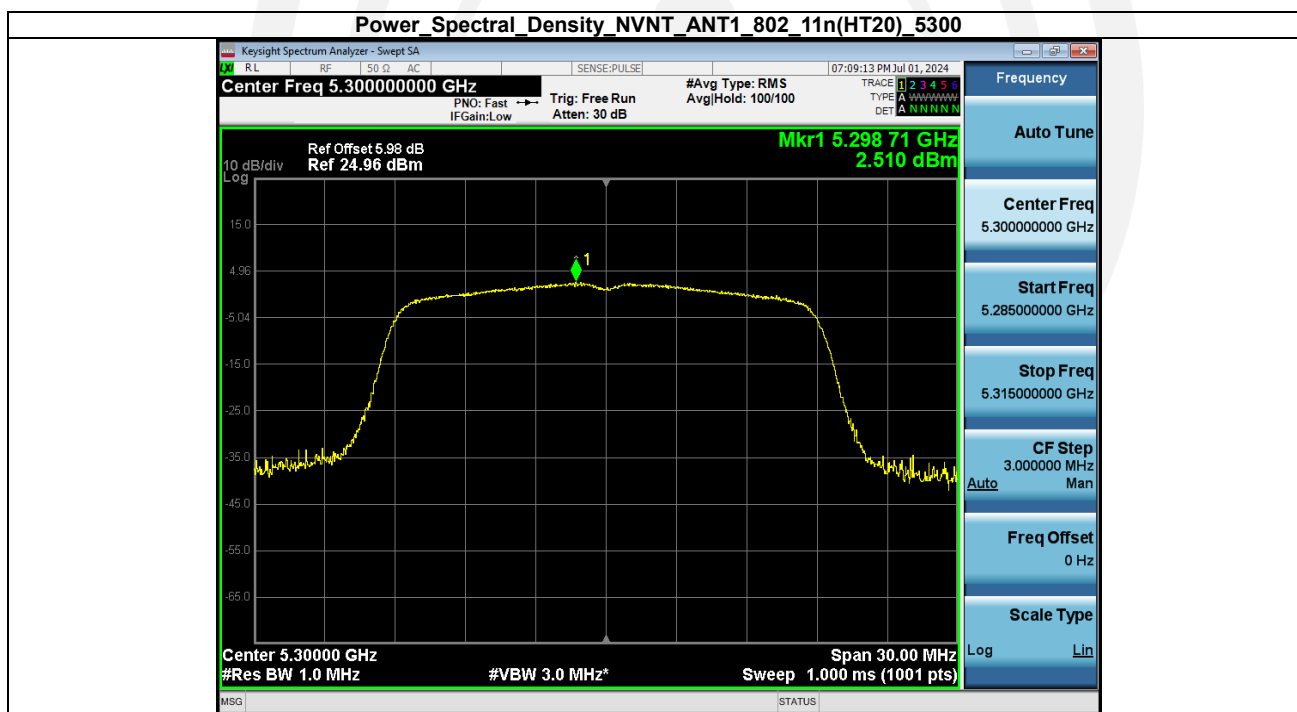
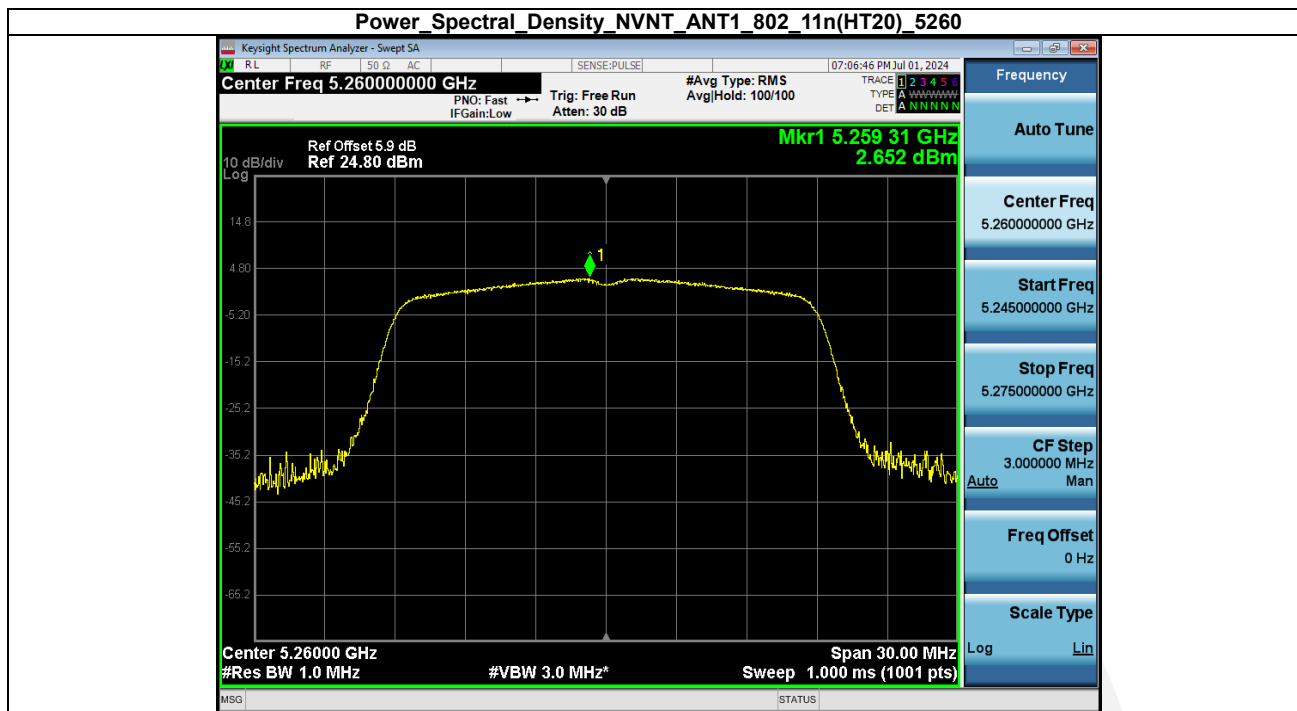


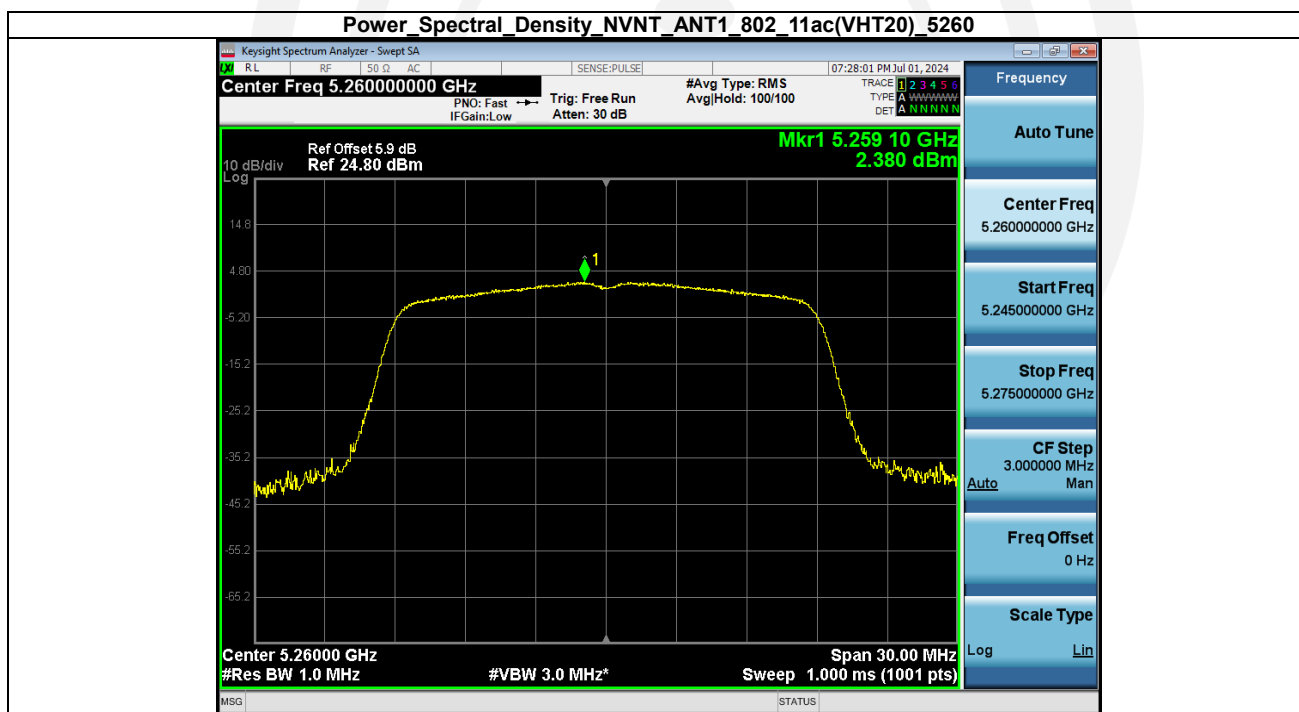
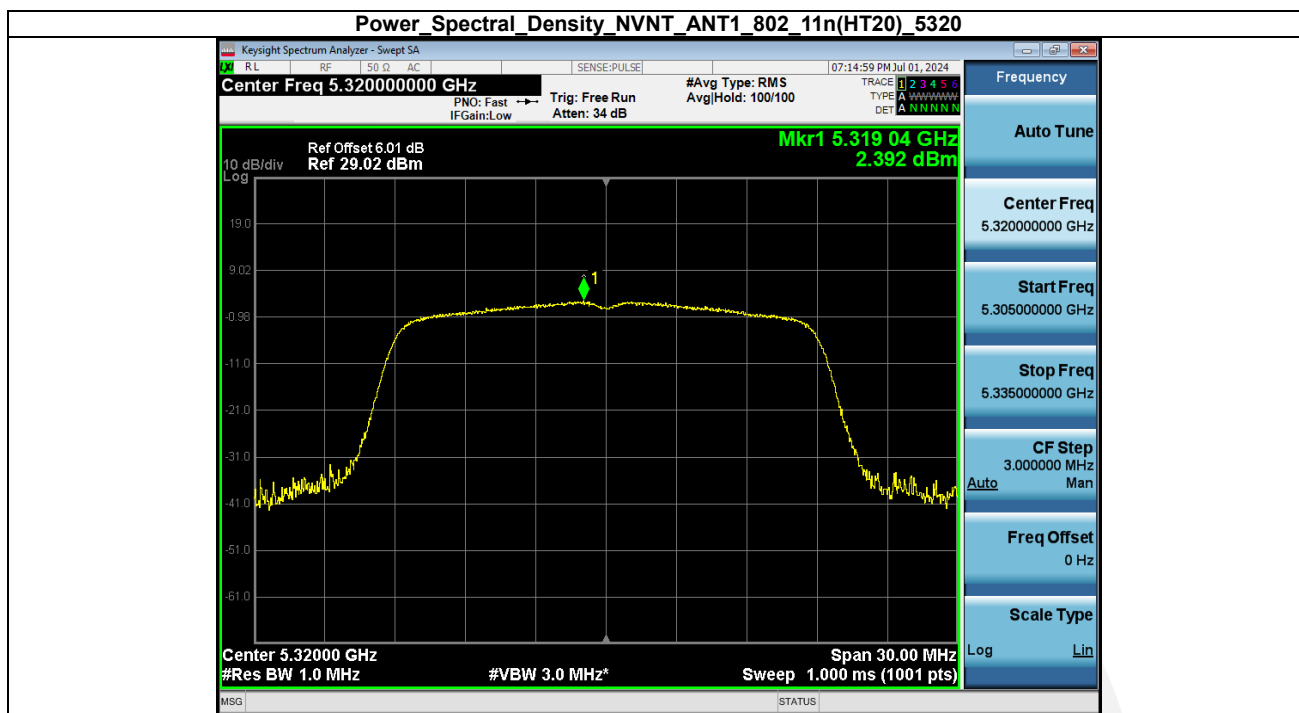
Band 2 (5260-5320 MHz):

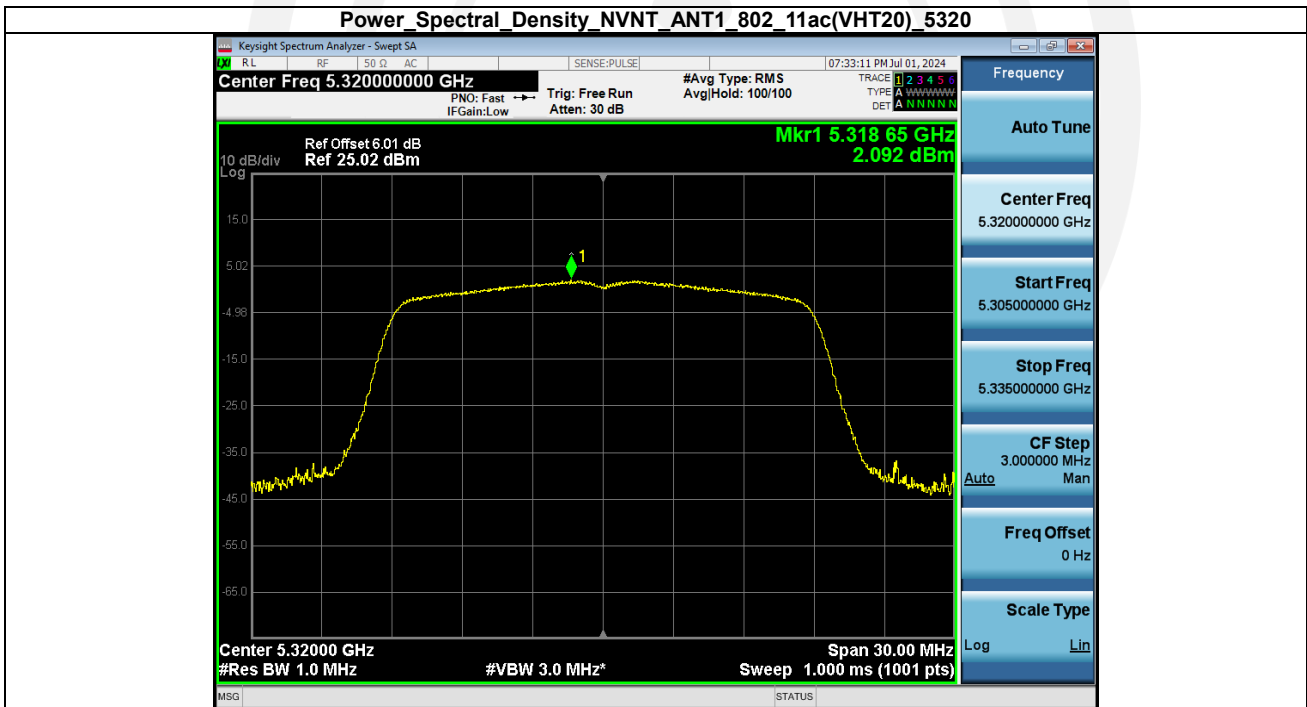
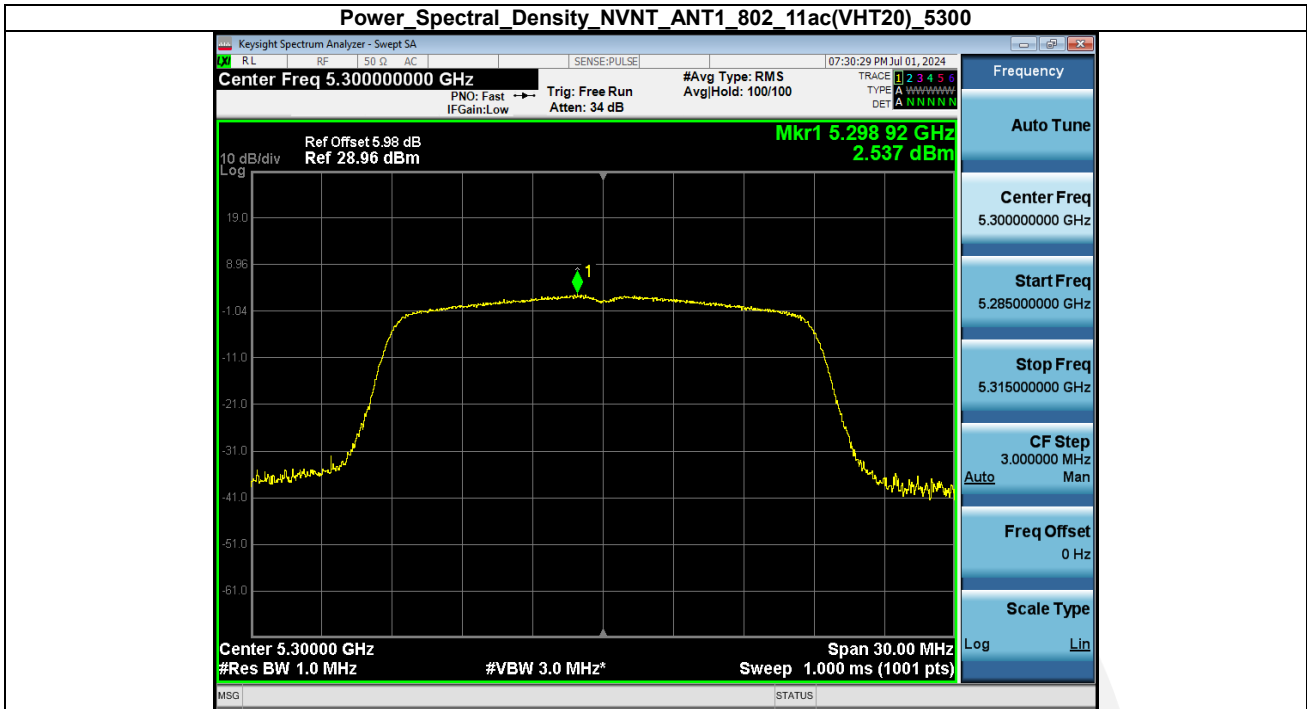
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	limit(dBm)	Result
NVNT	ANT1	802.11a	5260.00	2.54	0.12	2.66	11	Pass
NVNT	ANT1	802.11a	5300.00	2.68	0.12	2.80	11	Pass
NVNT	ANT1	802.11a	5320.00	2.44	0.12	2.56	11	Pass
NVNT	ANT1	802.11n(HT20)	5260.00	2.65	0.13	2.78	11	Pass
NVNT	ANT1	802.11n(HT20)	5300.00	2.51	0.13	2.64	11	Pass
NVNT	ANT1	802.11n(HT20)	5320.00	2.39	0.13	2.52	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5260.00	2.38	0.13	2.51	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5300.00	2.54	0.13	2.67	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5320.00	2.09	0.13	2.22	11	Pass
NVNT	ANT1	802.11n(HT40)	5270.00	-0.19	0.26	0.07	11	Pass
NVNT	ANT1	802.11n(HT40)	5310.00	-0.88	0.00	-0.88	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5270.00	-0.33	0.13	-0.20	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5310.00	-0.36	0.13	-0.23	11	Pass
NVNT	ANT1	802.11ac(VHT80)	5290.00	-3.57	0.51	-3.06	11	Pass

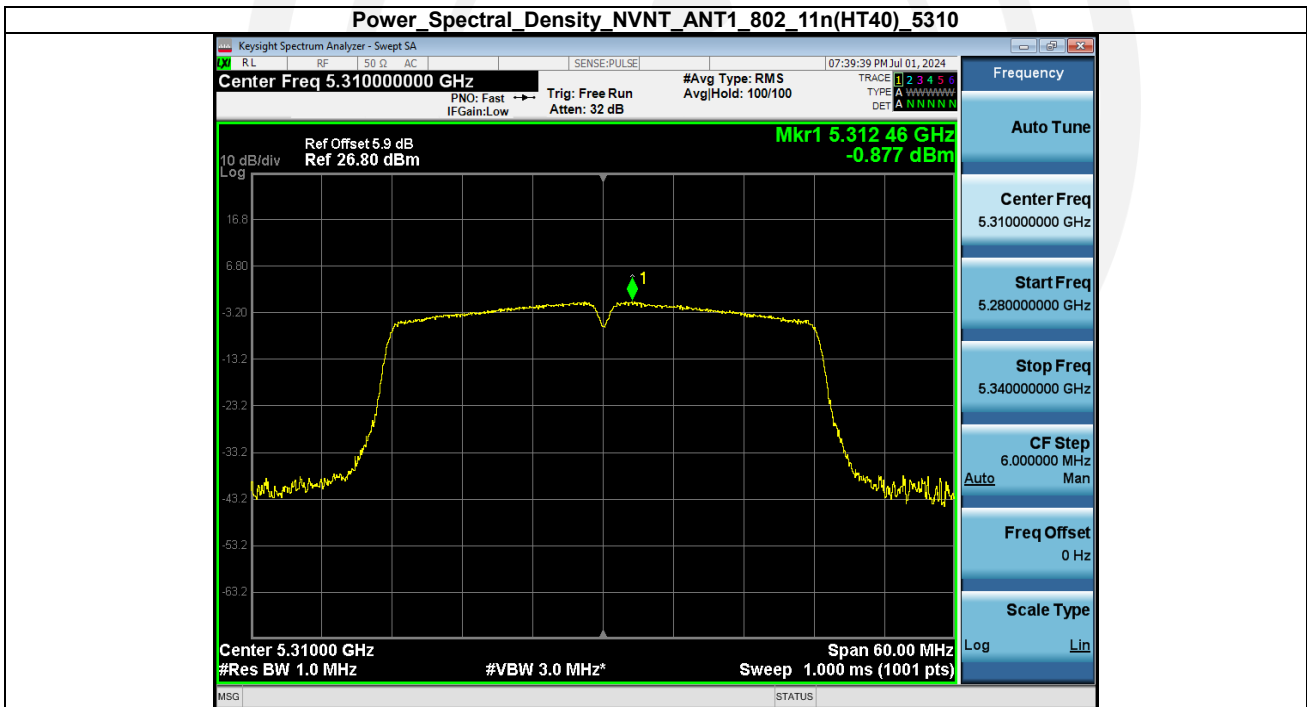
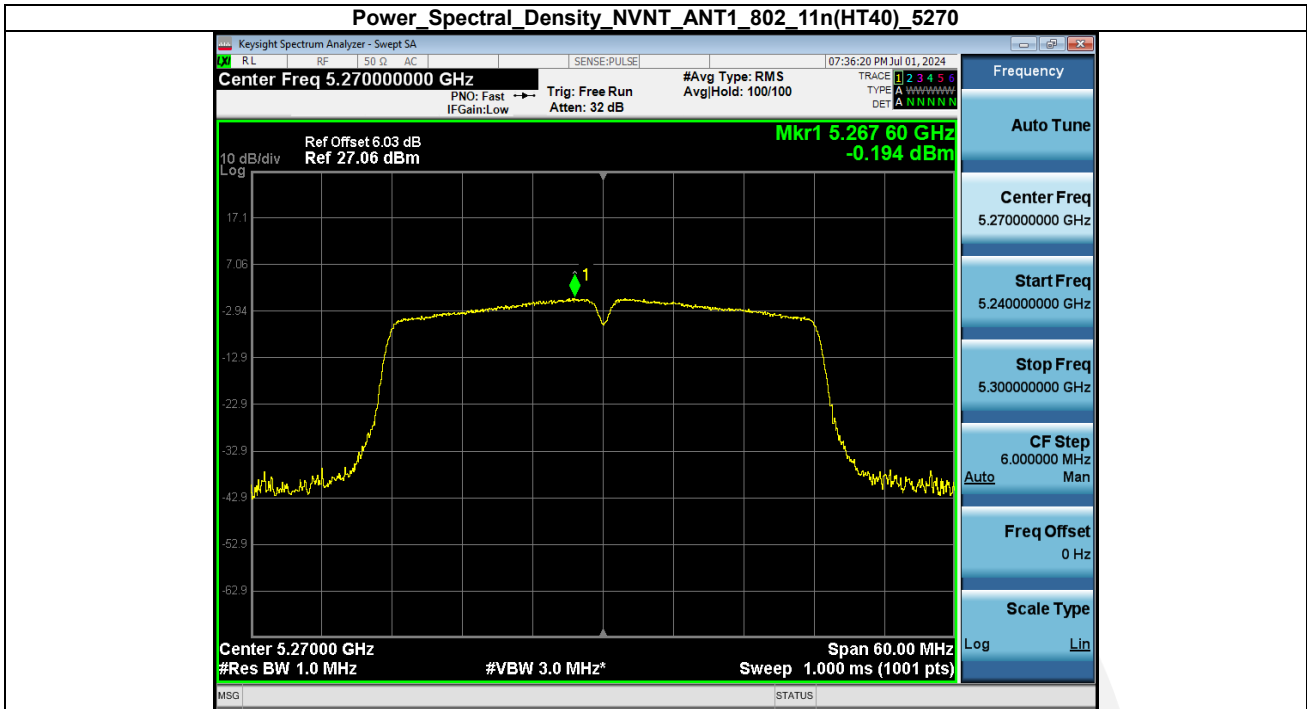


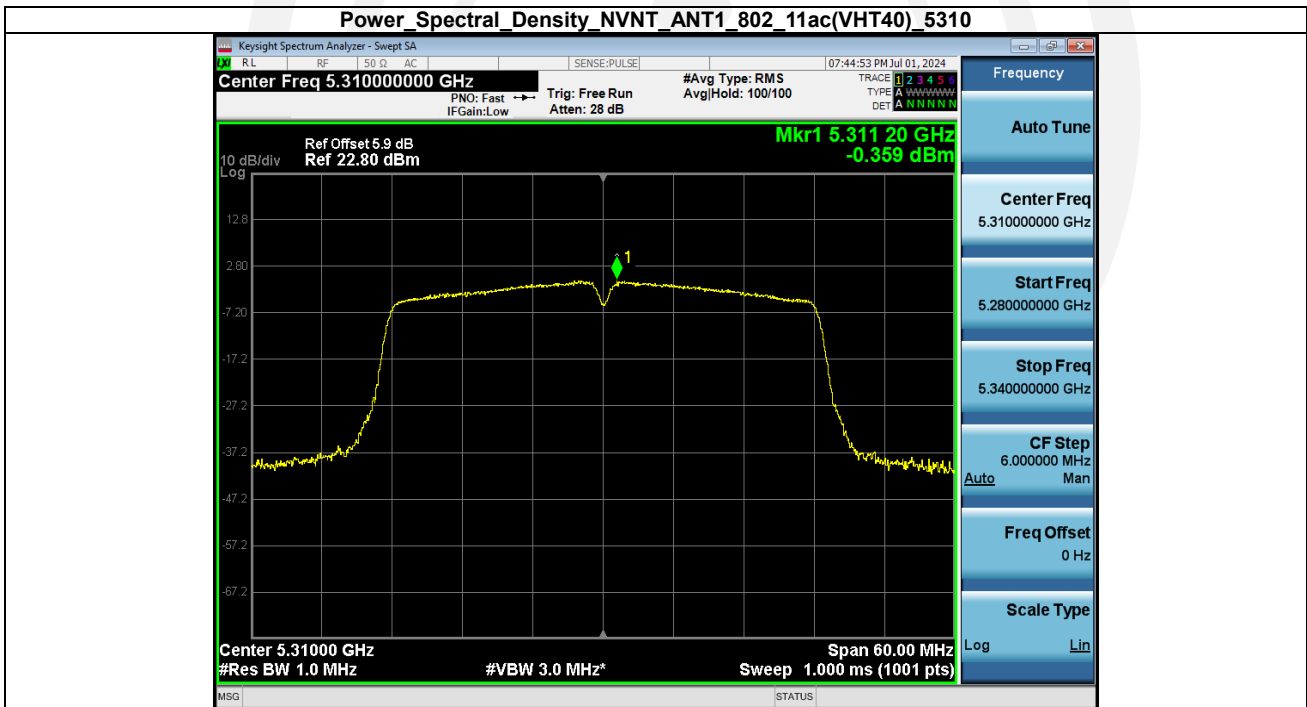
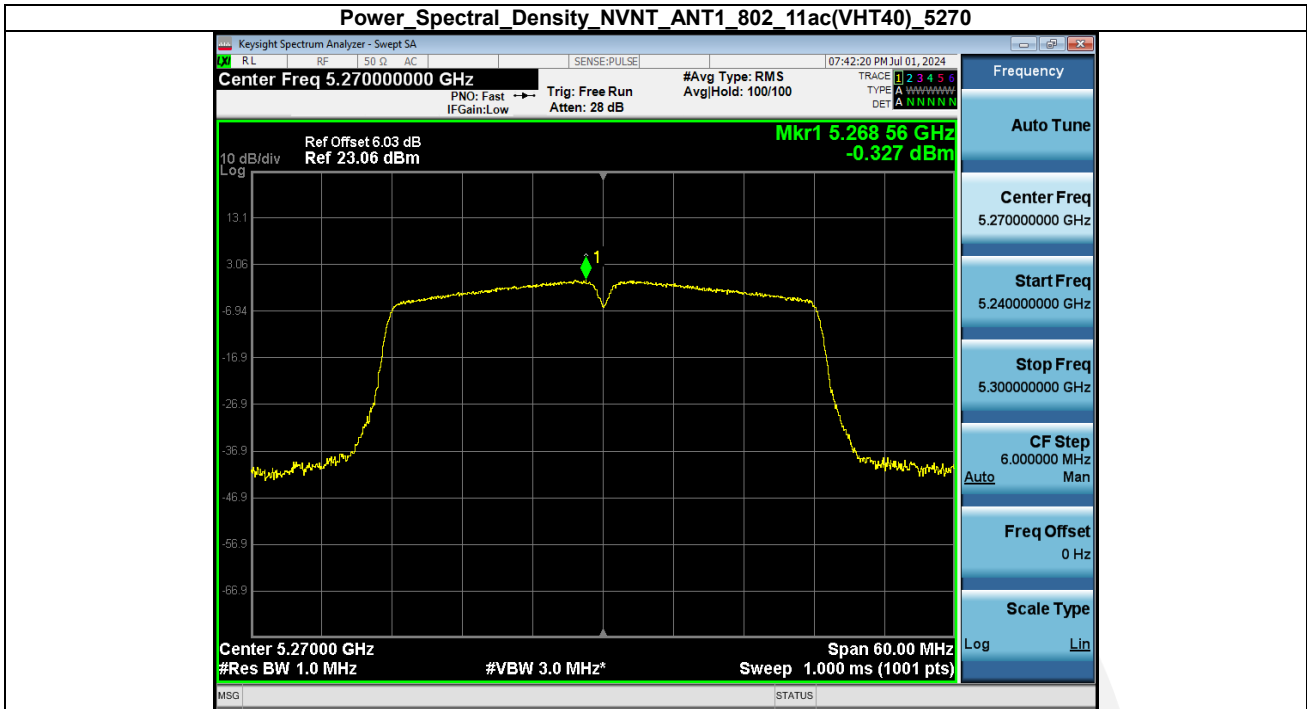


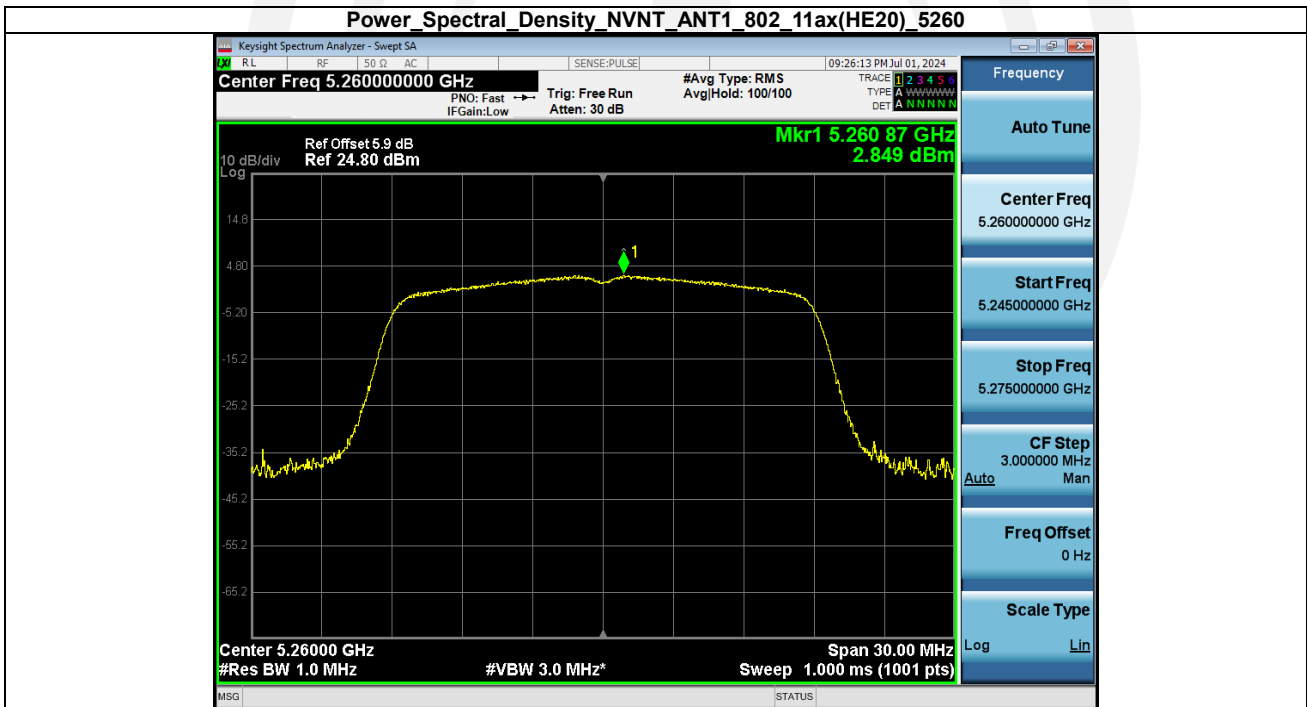
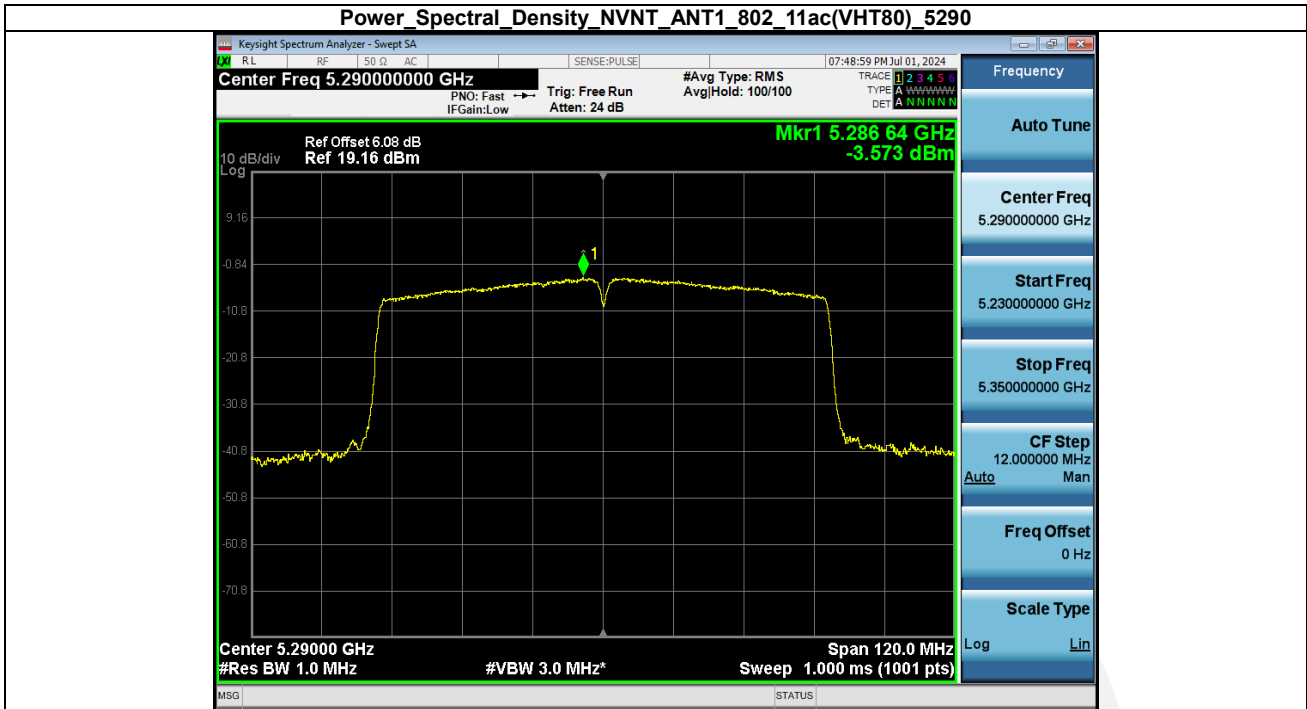


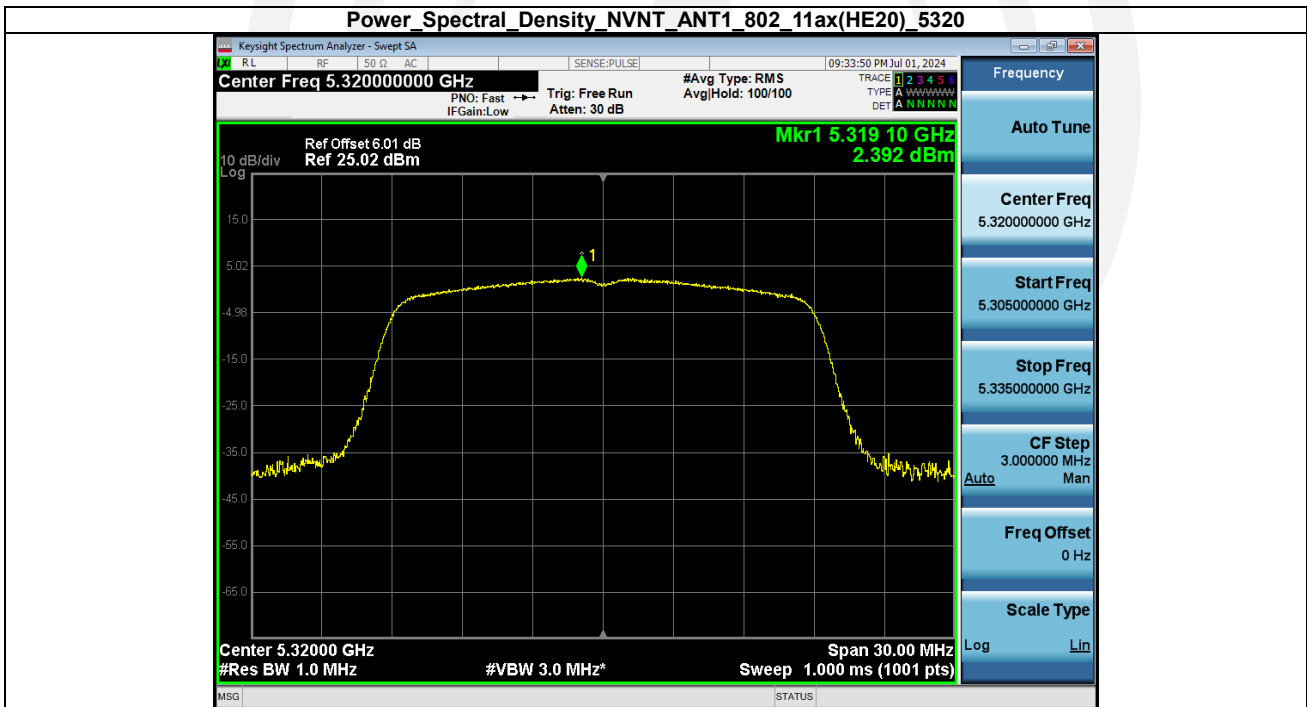
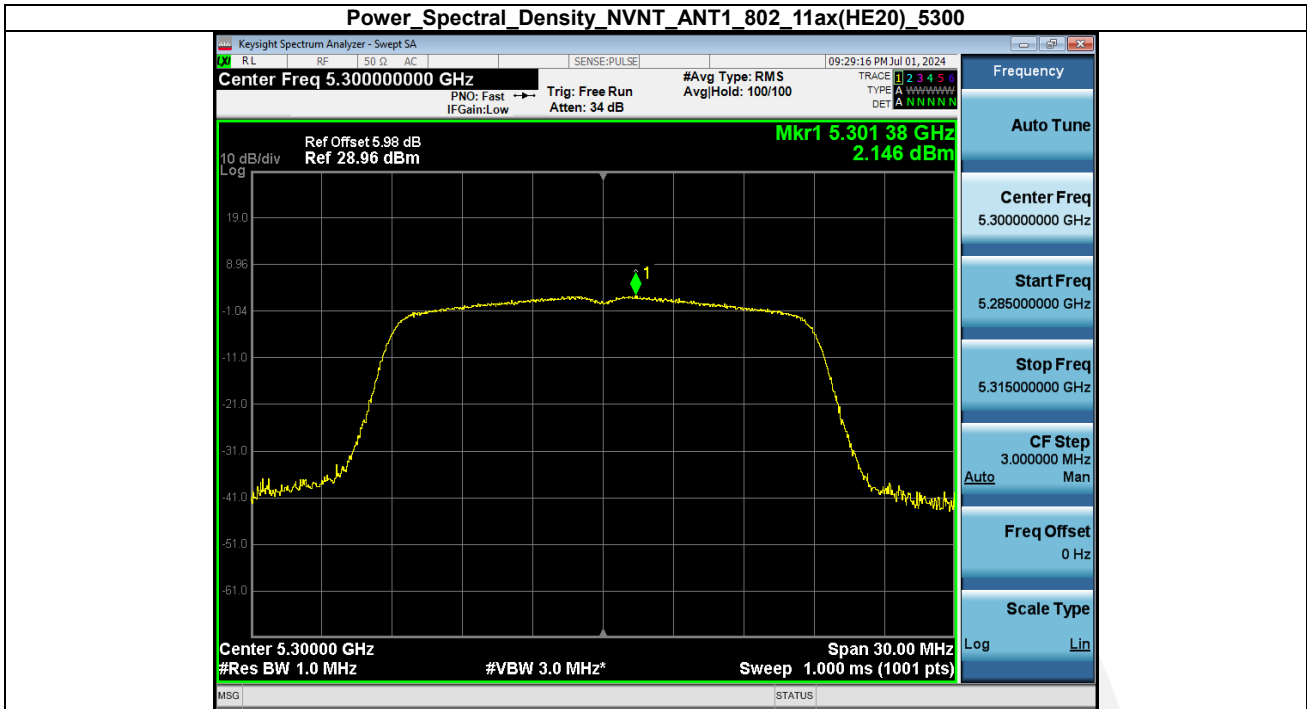


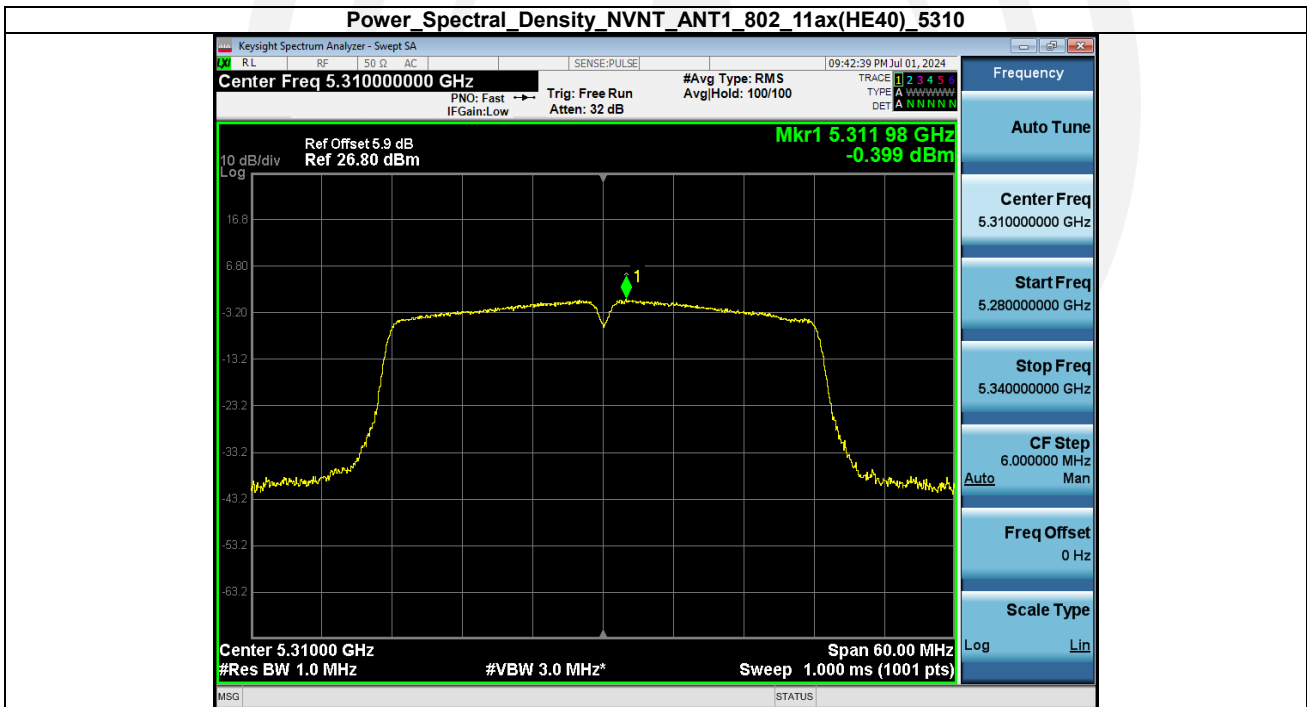
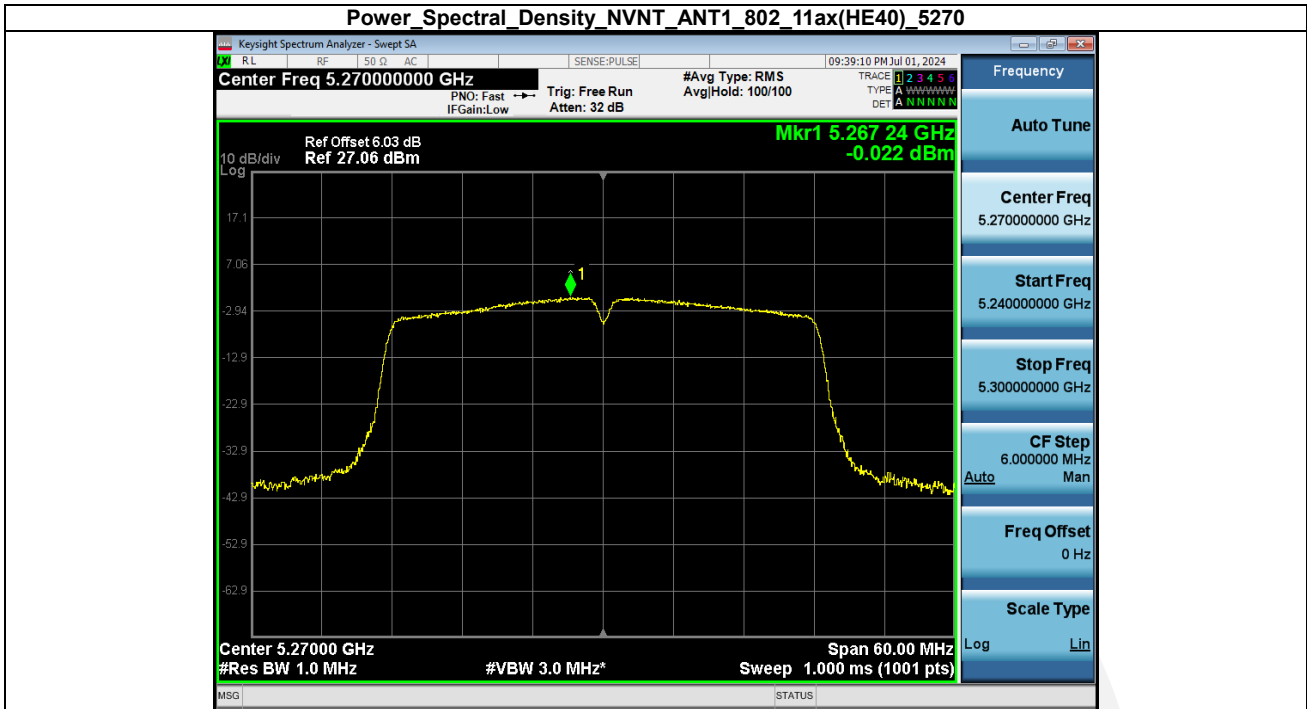


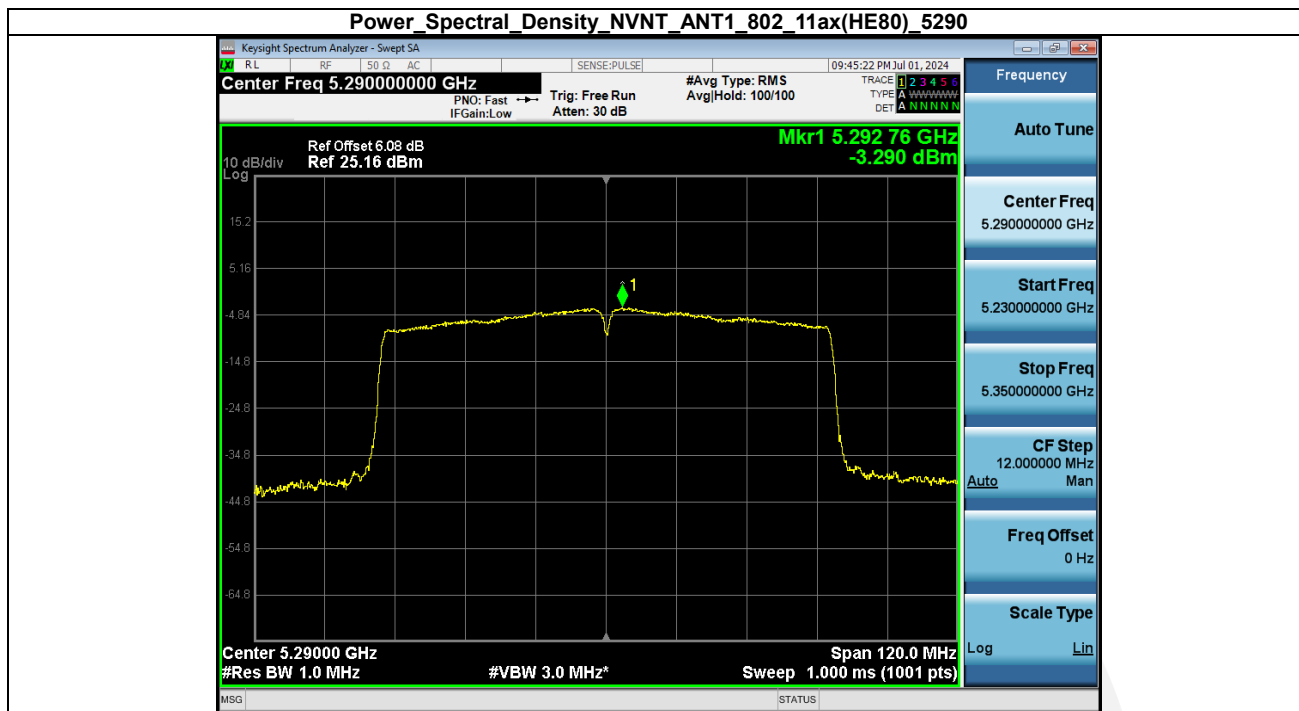






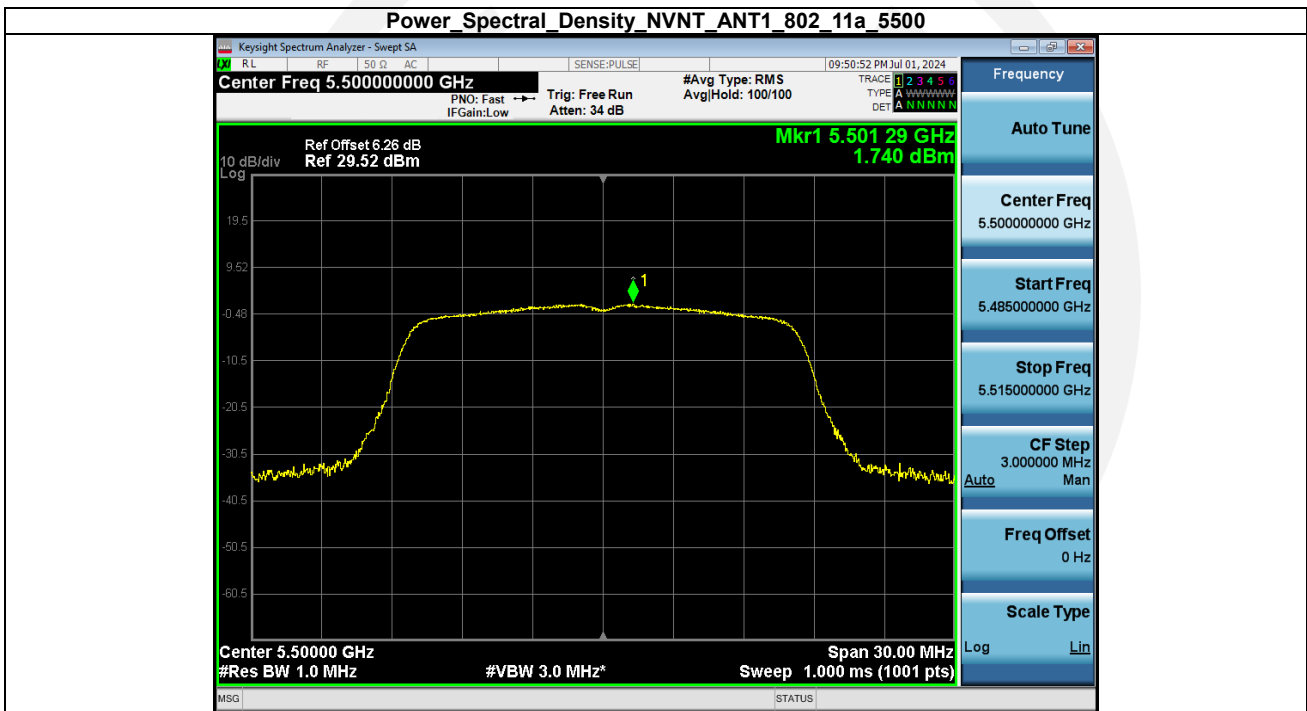


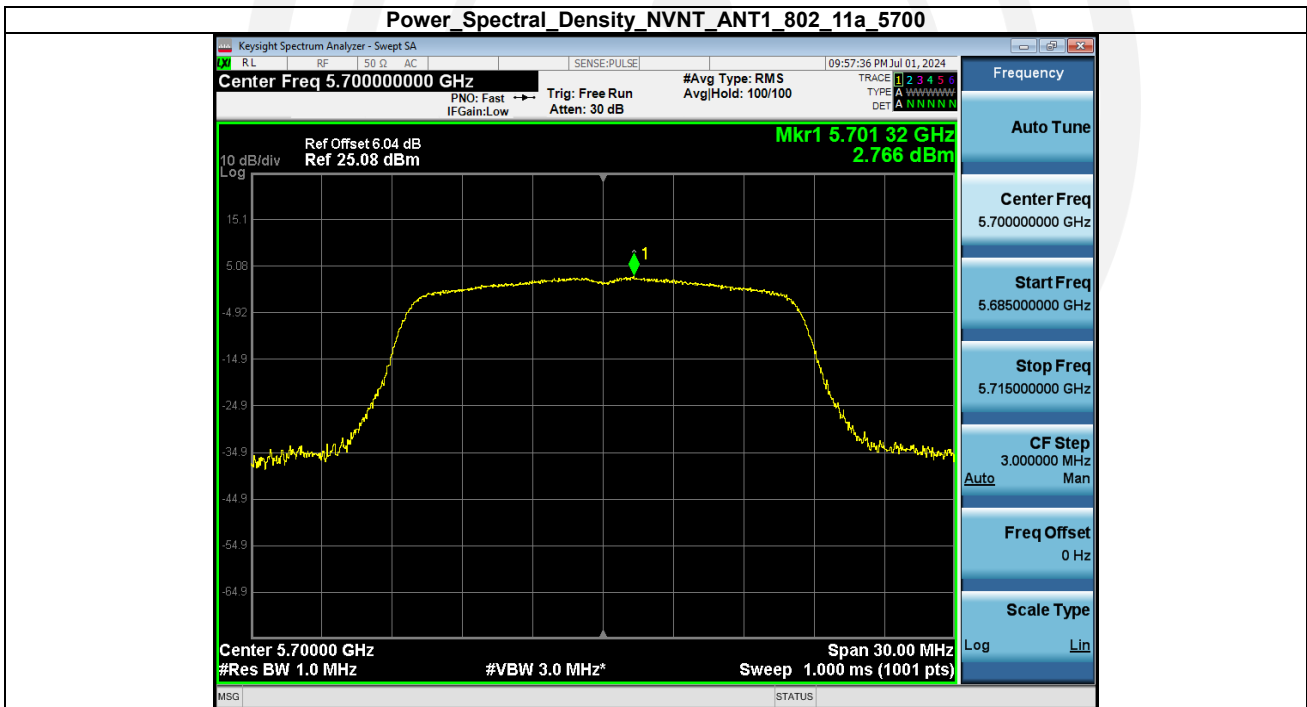
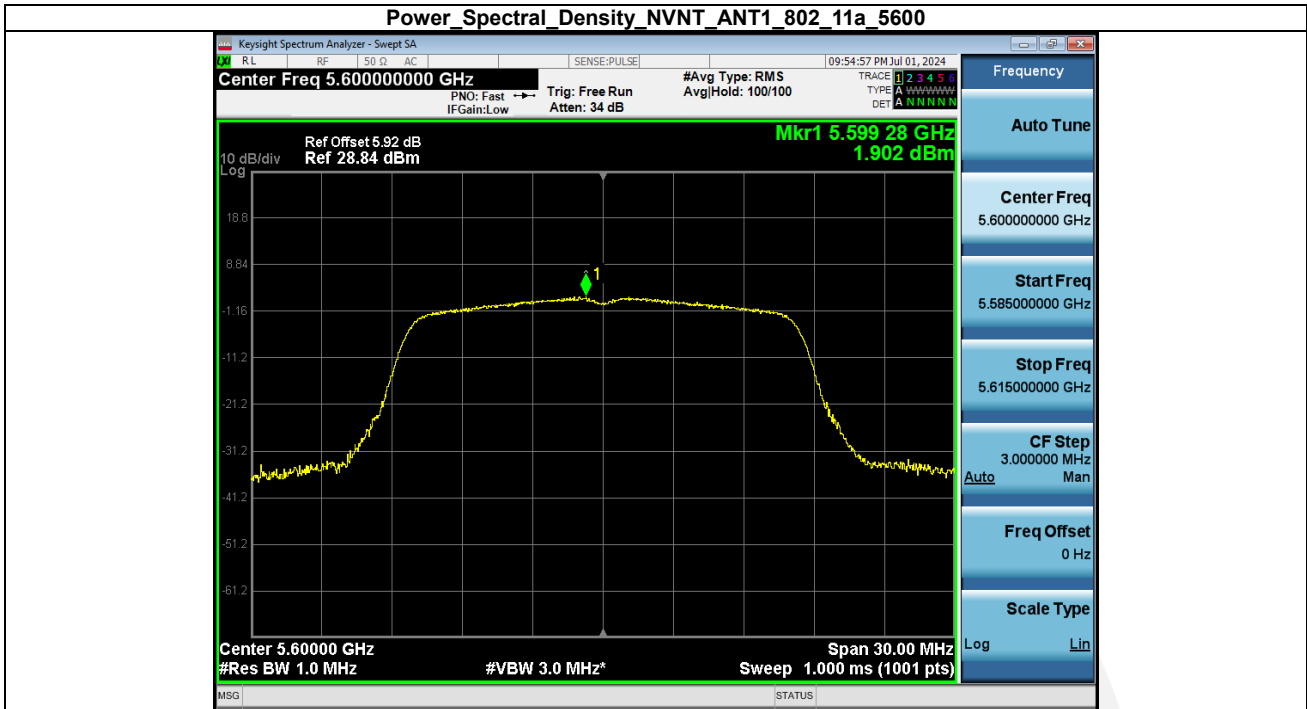


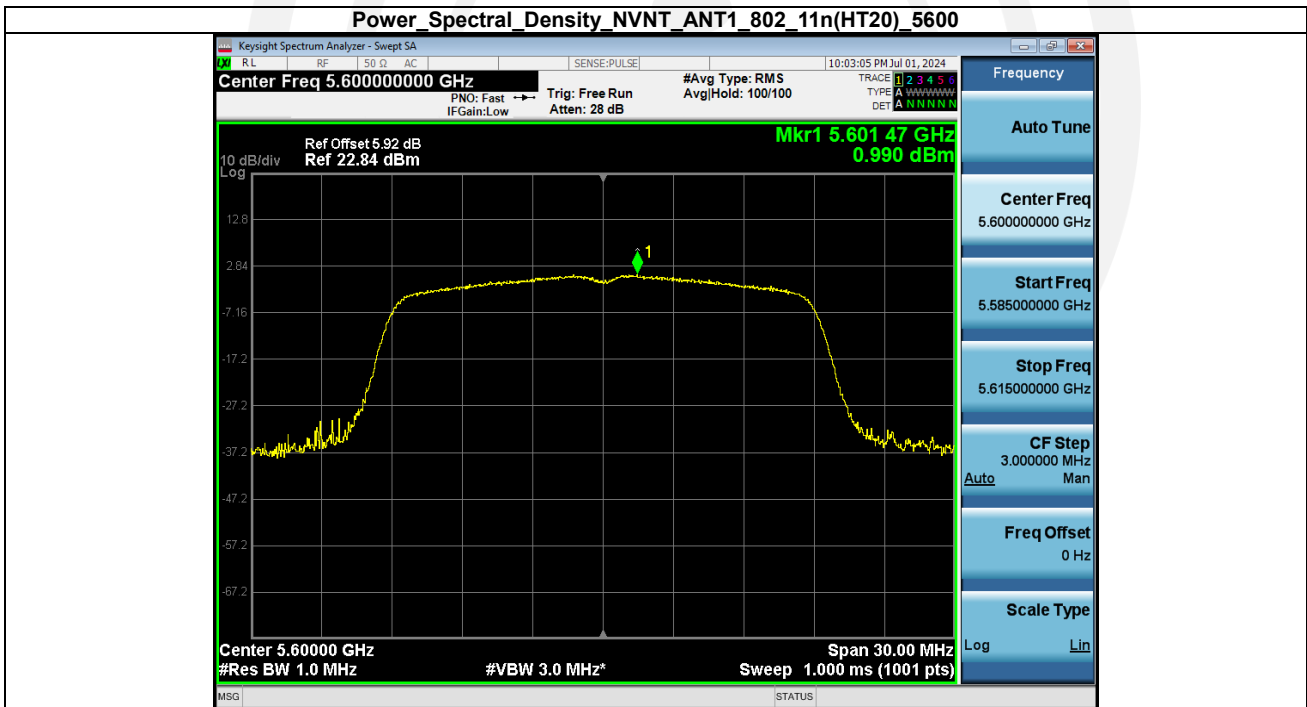
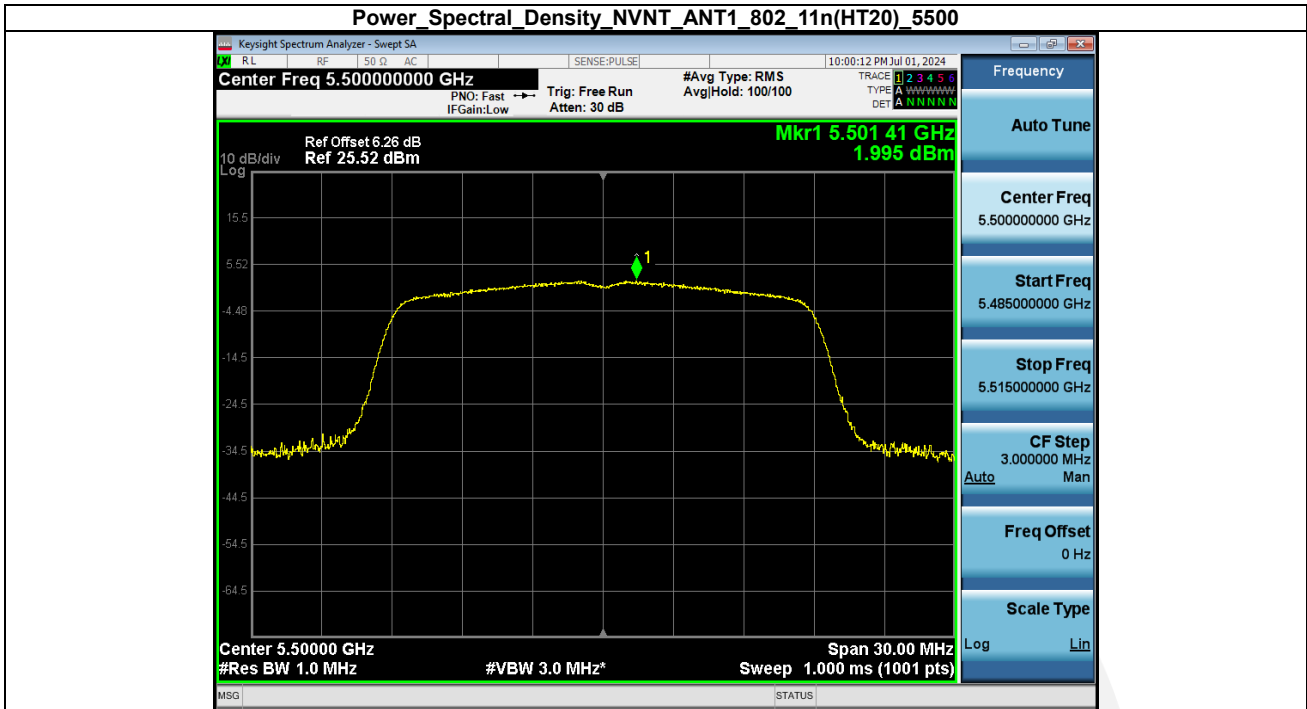


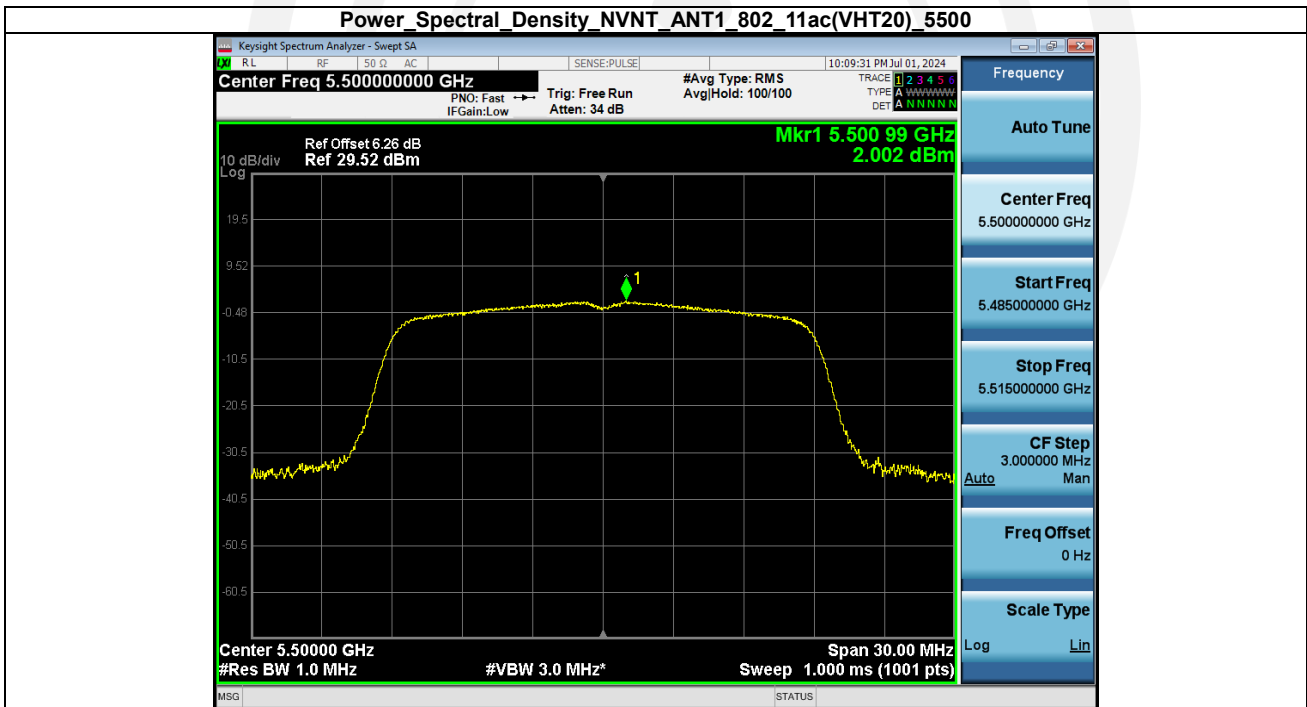
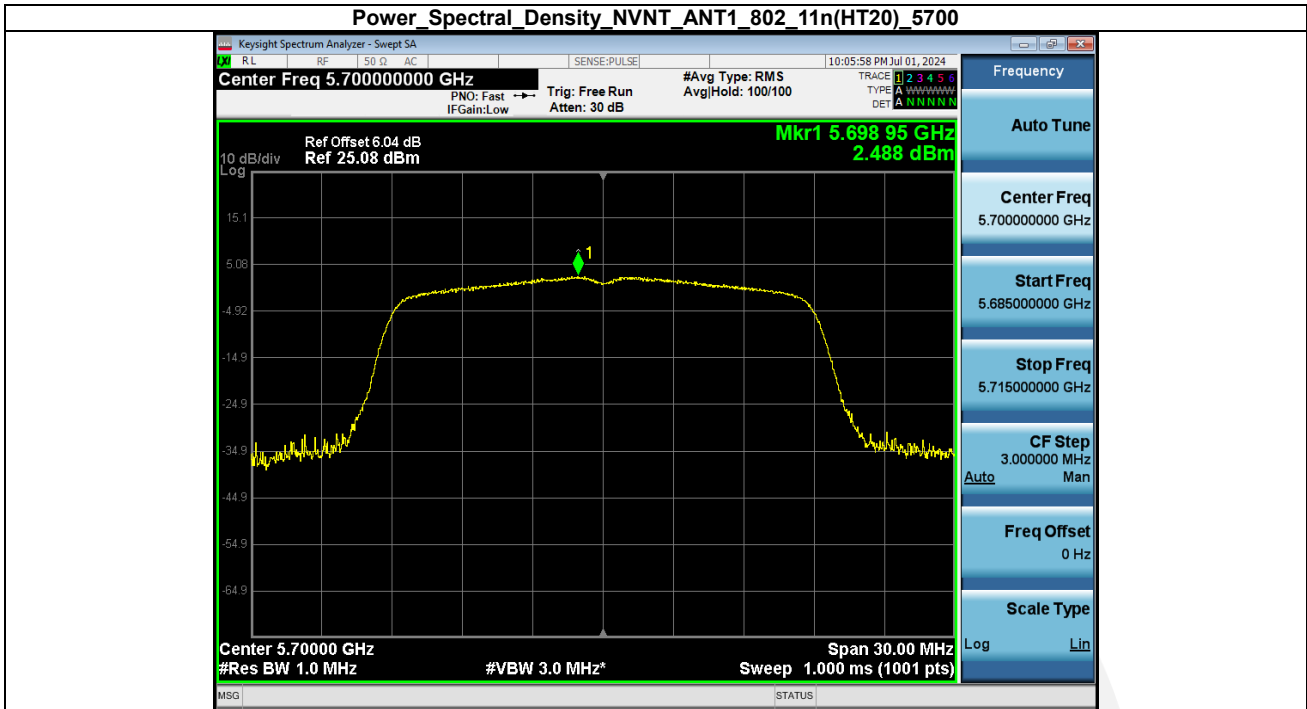
Band 3 (5500-5570 MHz):

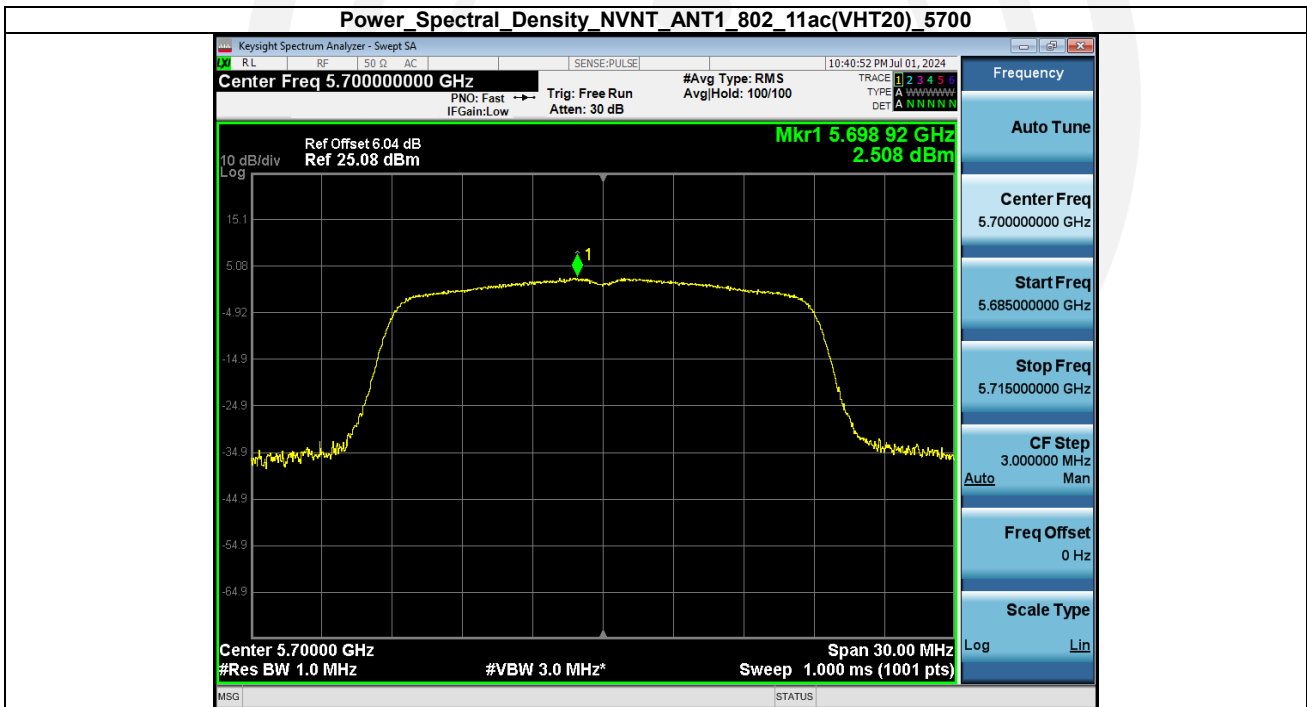
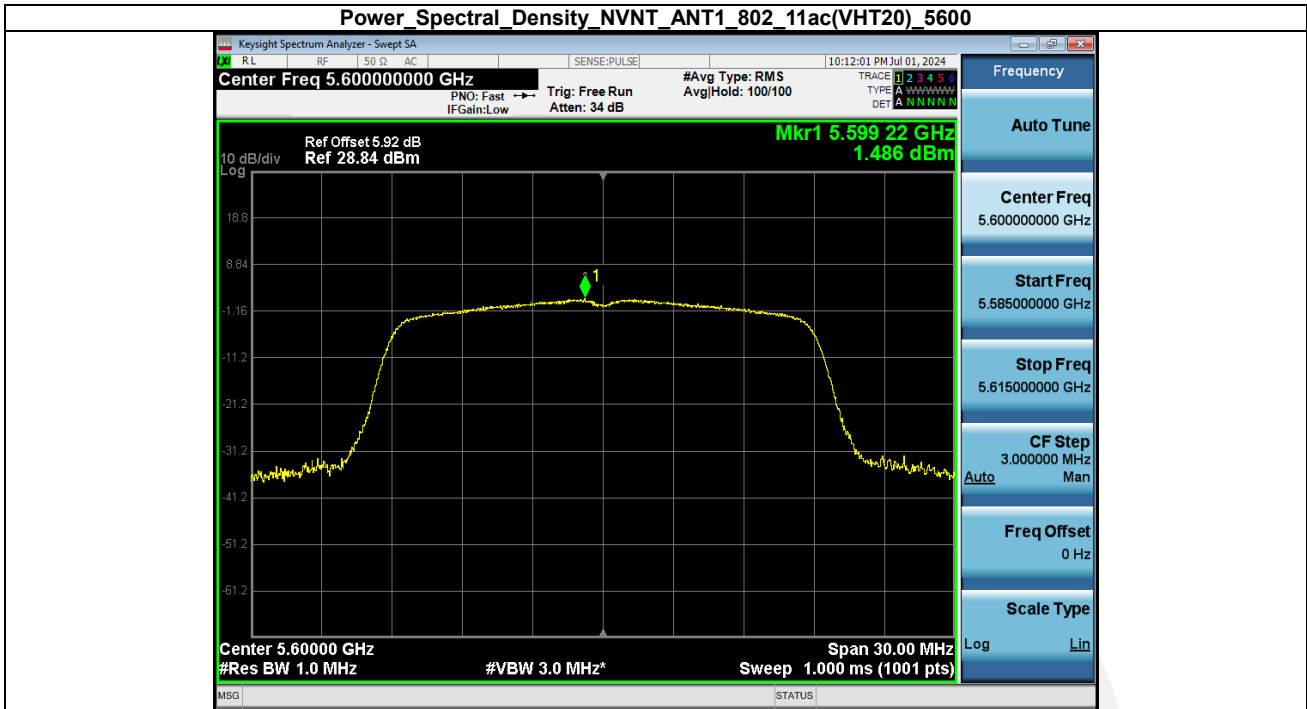
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	limit(dBm)	Result
NVNT	ANT1	802.11a	5500	1.74	0.00	1.74	11	Pass
NVNT	ANT1	802.11a	5600	1.90	0.12	2.02	11	Pass
NVNT	ANT1	802.11a	5700.00	2.77	0.12	2.89	11	Pass
NVNT	ANT1	802.11n(HT20)	5500	2.00	0.13	2.13	11	Pass
NVNT	ANT1	802.11n(HT20)	5600	0.99	0.13	1.12	11	Pass
NVNT	ANT1	802.11n(HT20)	5700.00	2.49	0.13	2.62	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5500	2.00	0.13	2.13	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5600	1.49	0.13	1.62	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5700.00	2.51	0.13	2.64	11	Pass
NVNT	ANT1	802.11n(HT40)	5510	-0.99	0.00	-0.99	11	Pass
NVNT	ANT1	802.11n(HT40)	5590	-1.42	0.26	-1.16	11	Pass
NVNT	ANT1	802.11n(HT40)	5670	0.01	0.26	0.27	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5510	-1.07	0.26	-0.81	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5590	-1.60	0.26	-1.34	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5670	0.20	0.26	0.46	11	Pass
NVNT	ANT1	802.11ac(VHT80)	5530	-4.93	0.51	-4.42	11	Pass
NVNT	ANT1	802.11ac(VHT80)	5610	-4.92	0.51	-4.41	11	Pass

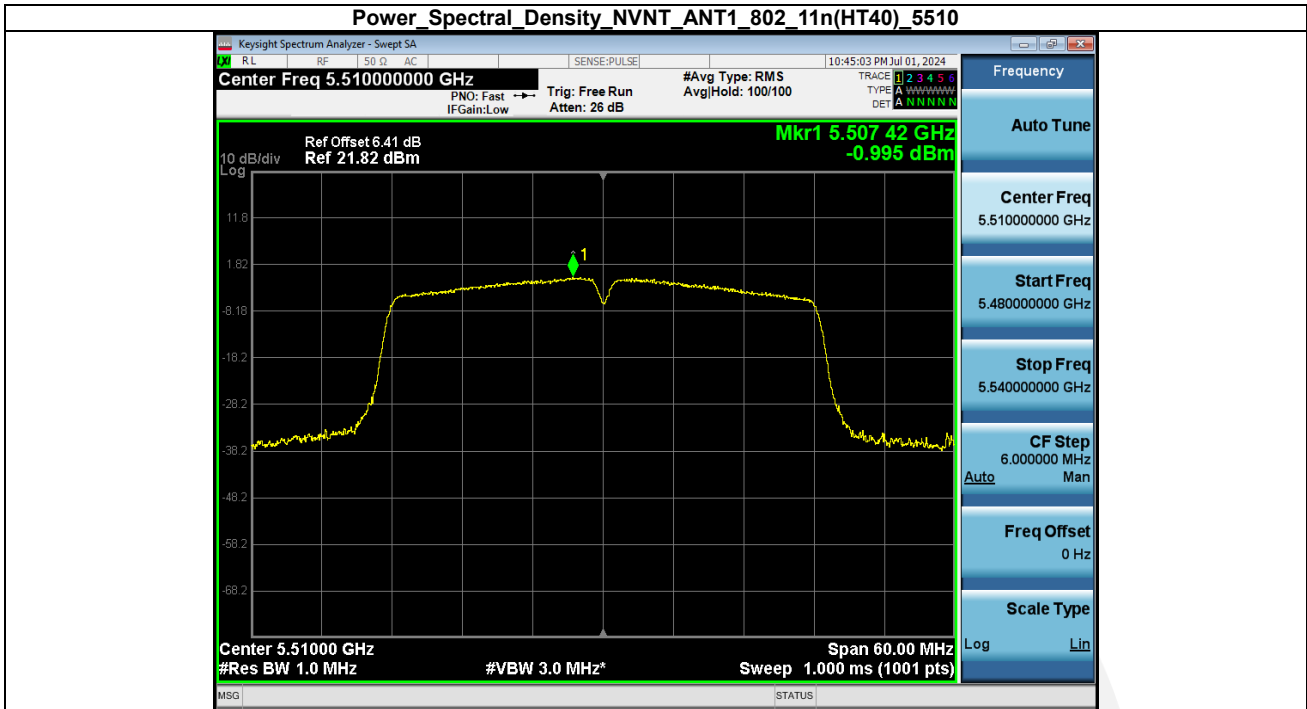
Power_Spectral_Density_NVNT_ANT1_802_11a_5500

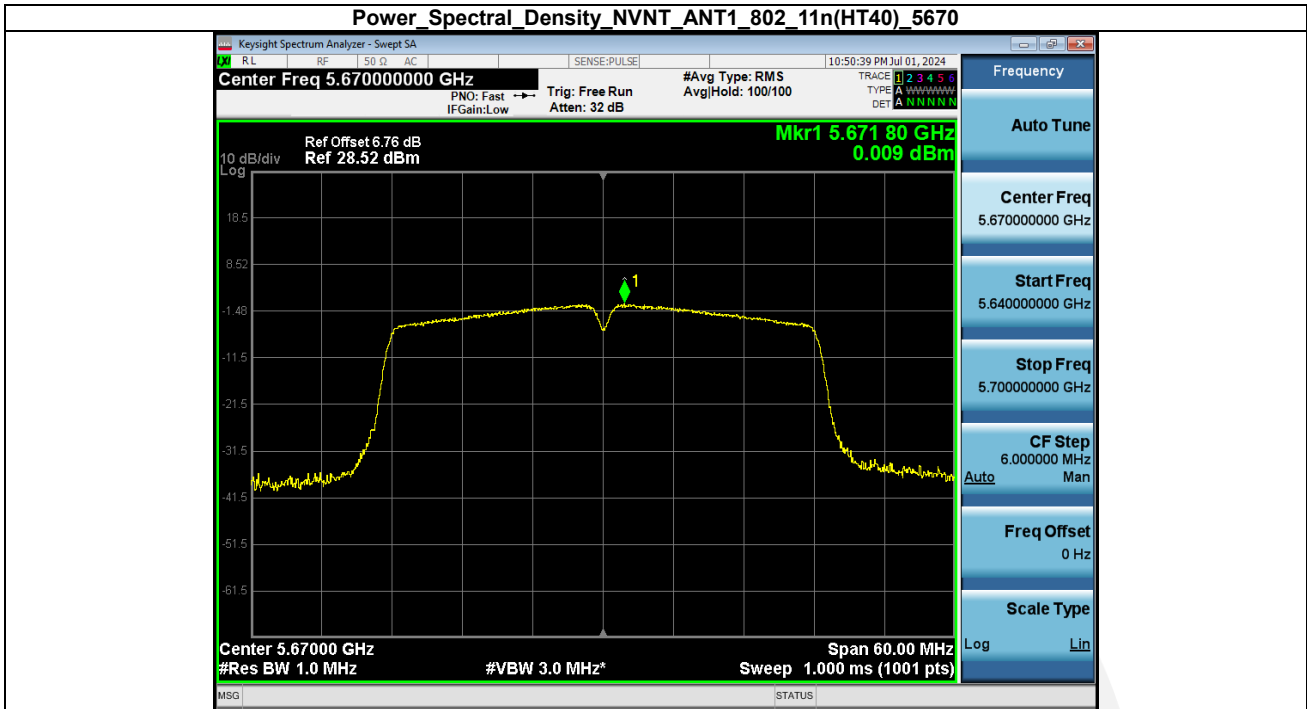


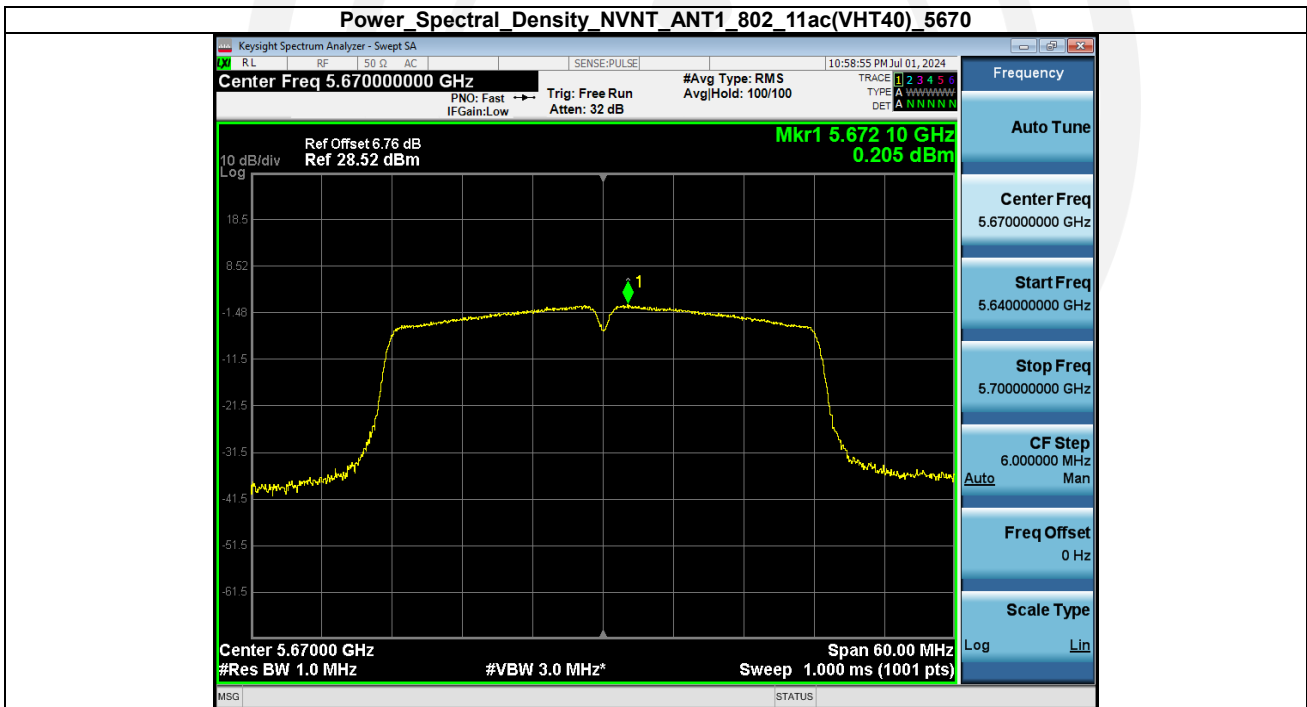
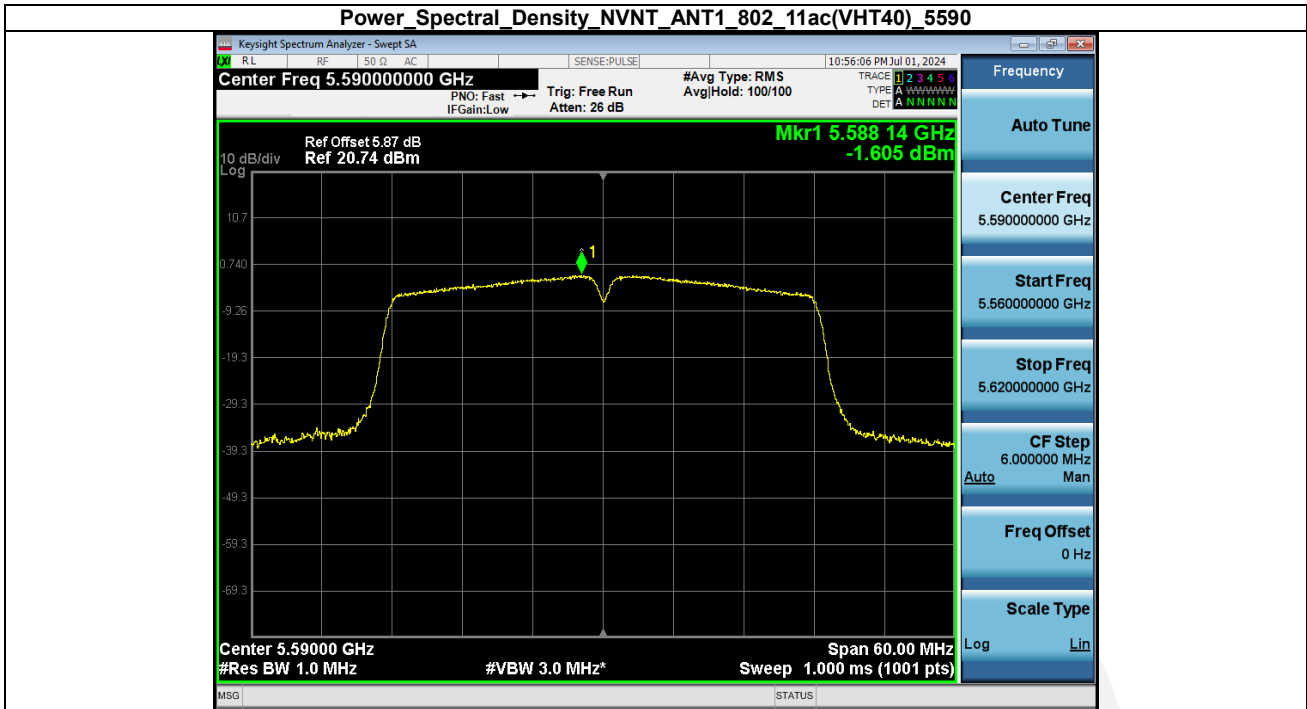


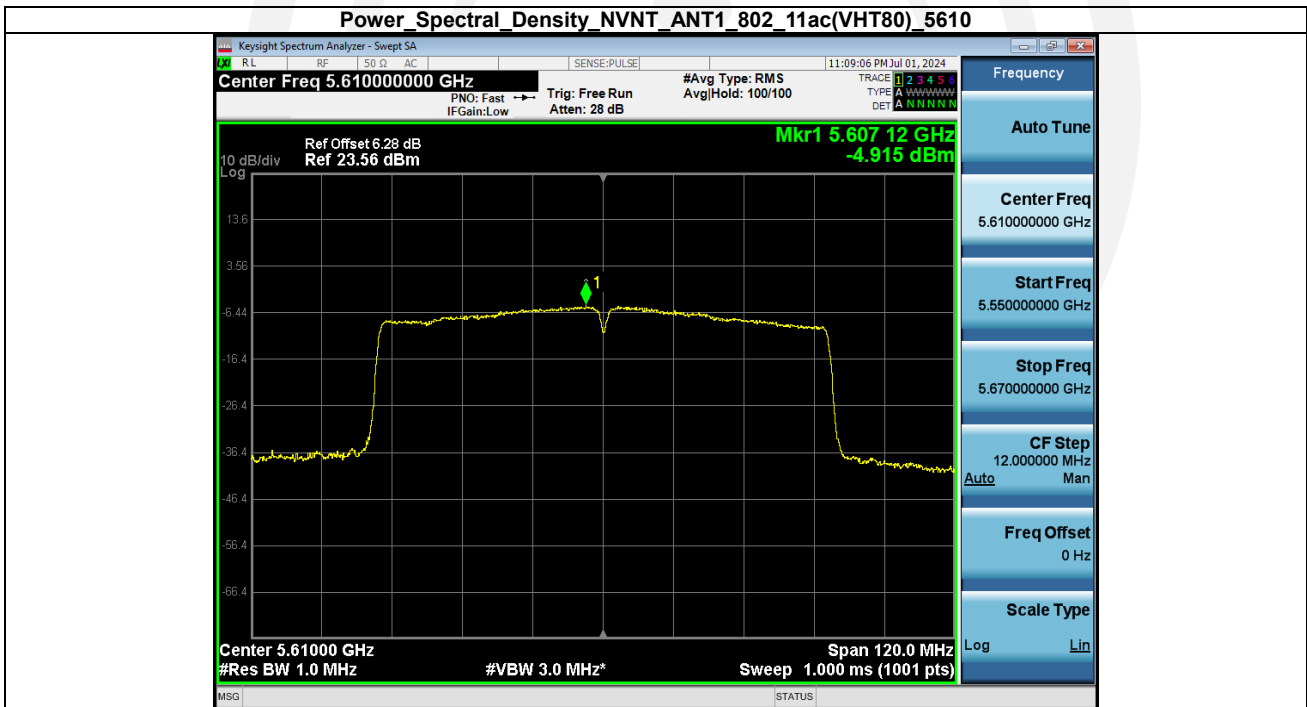
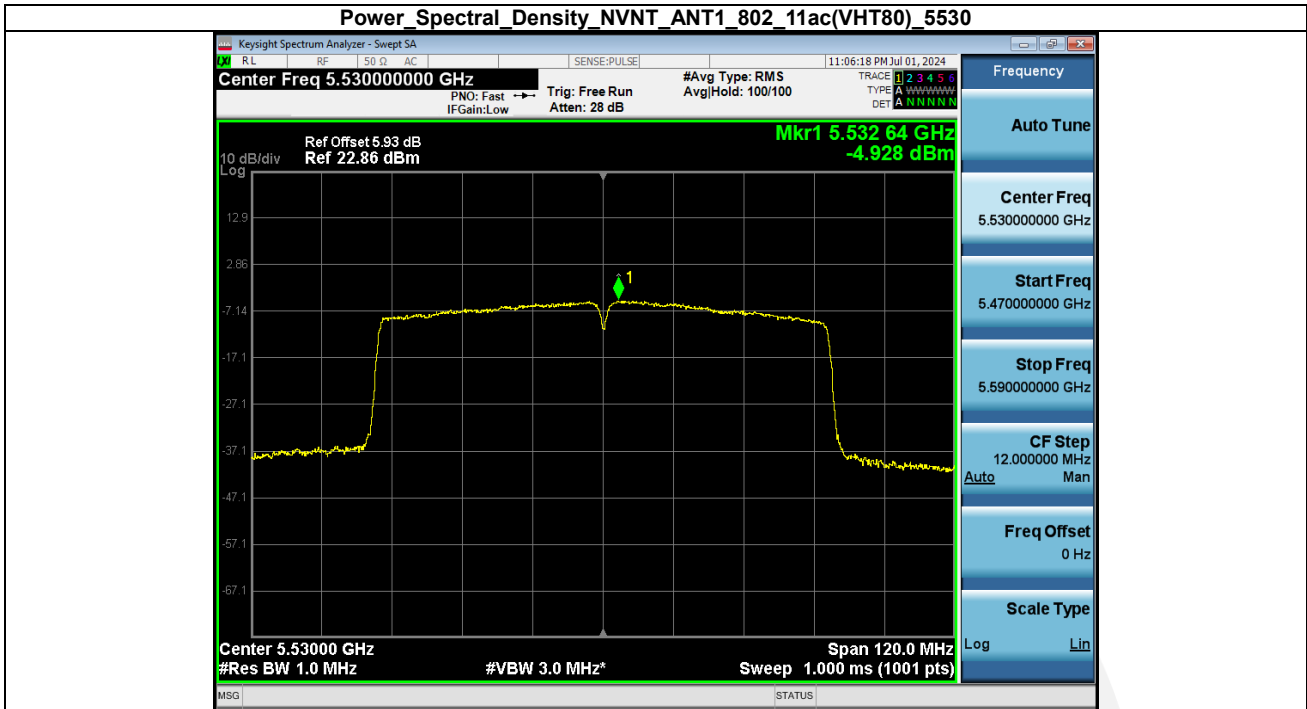


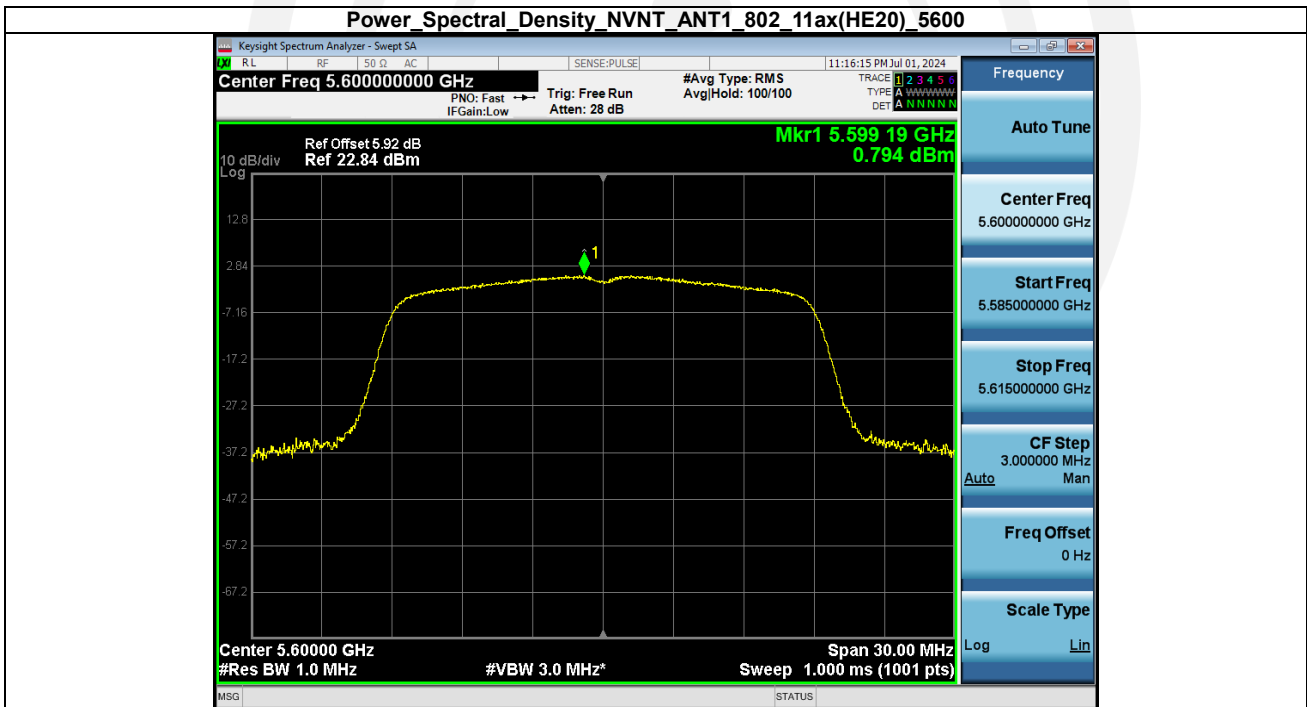
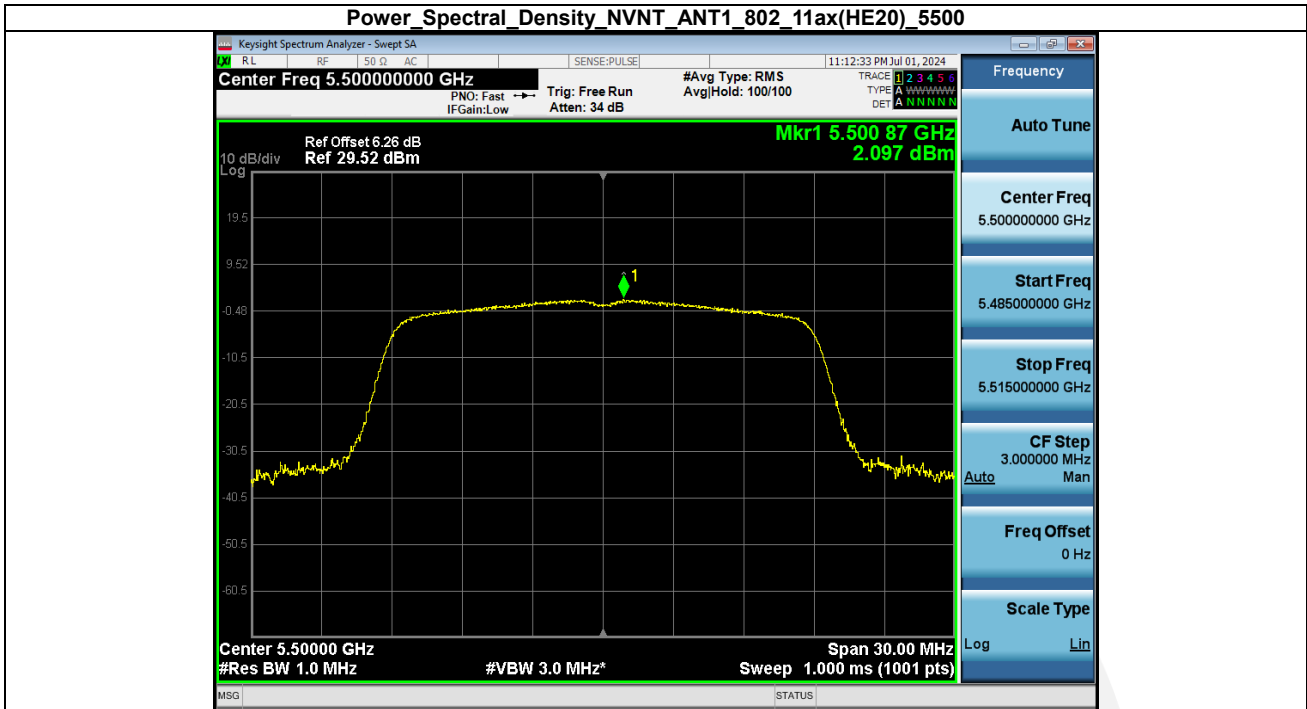


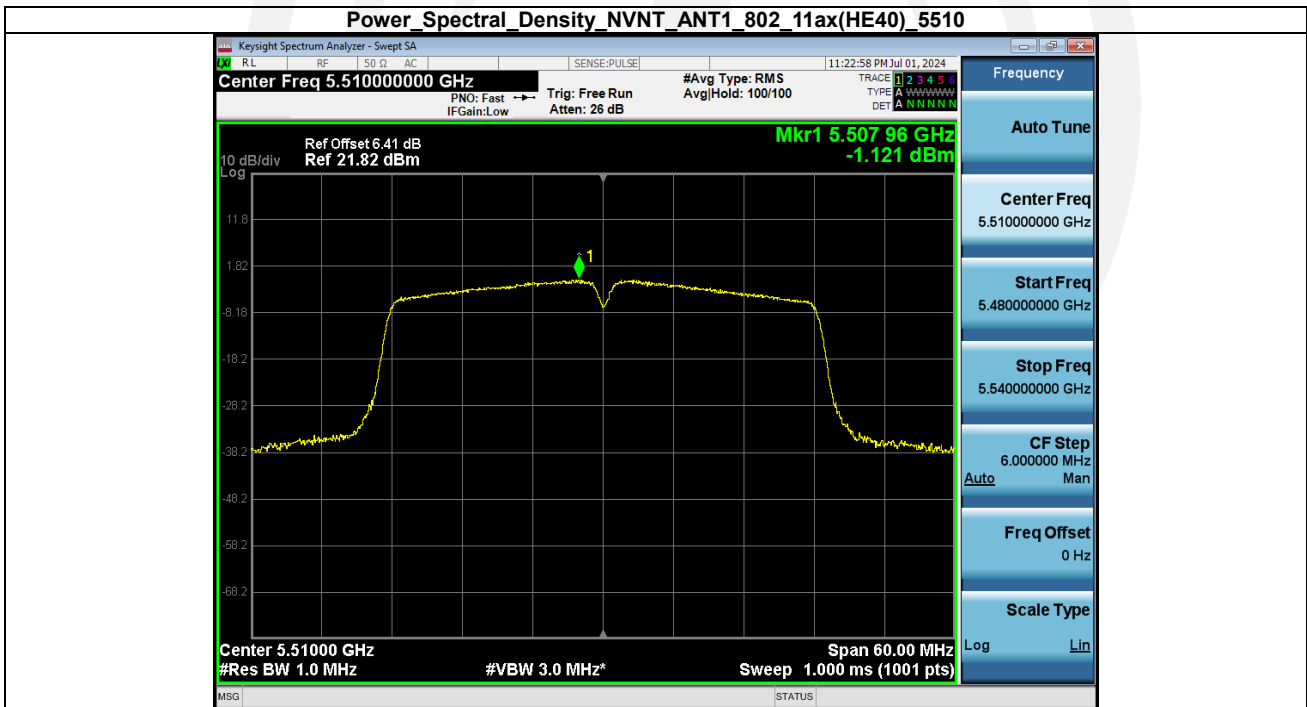
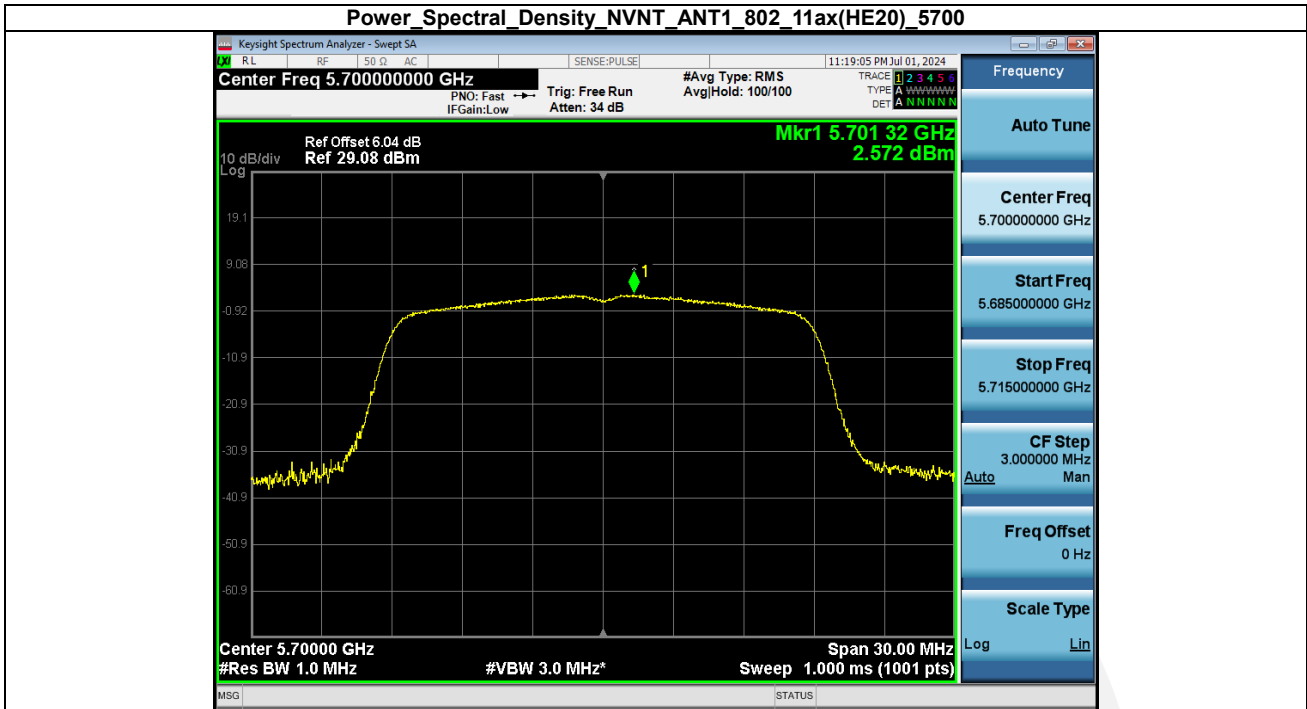


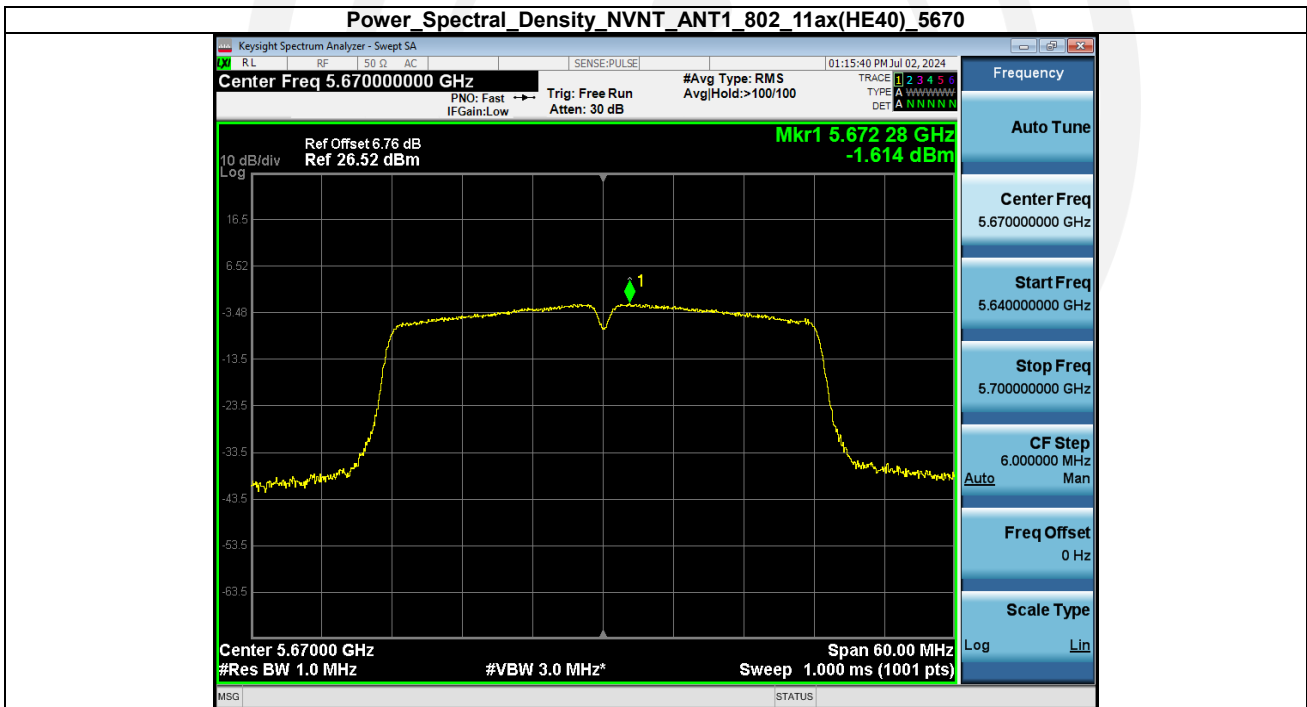
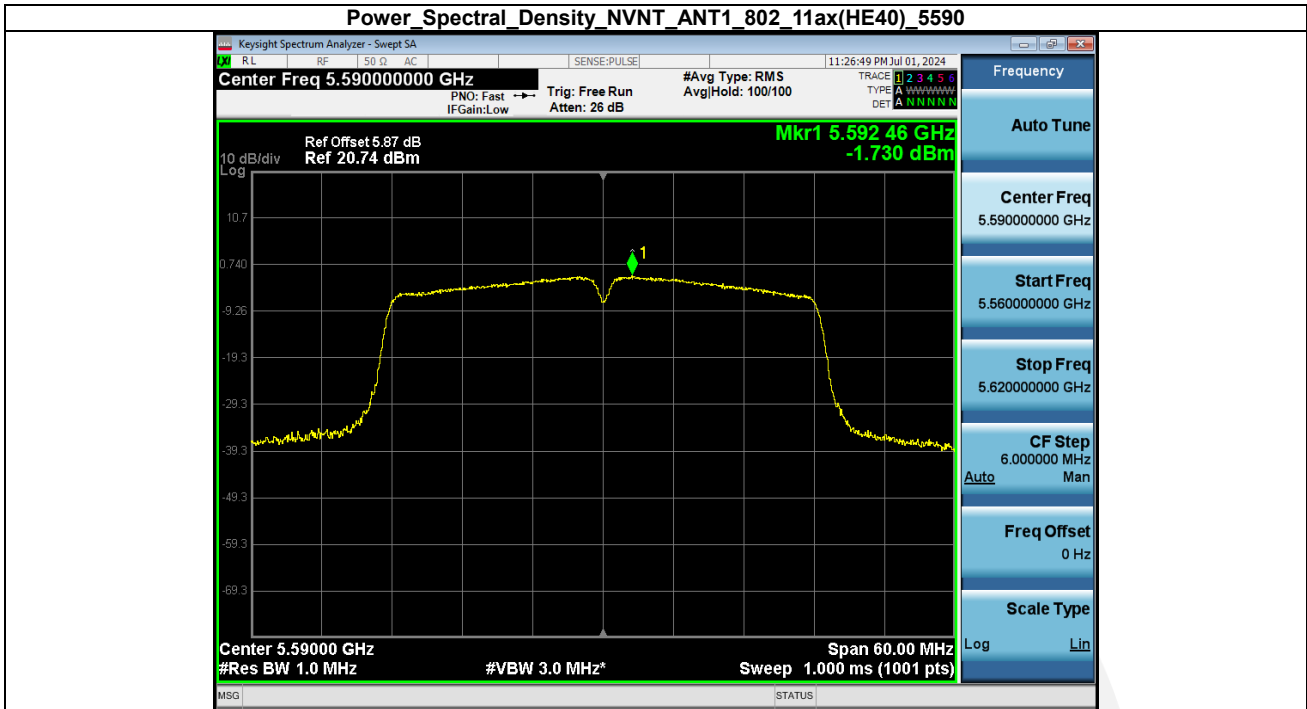


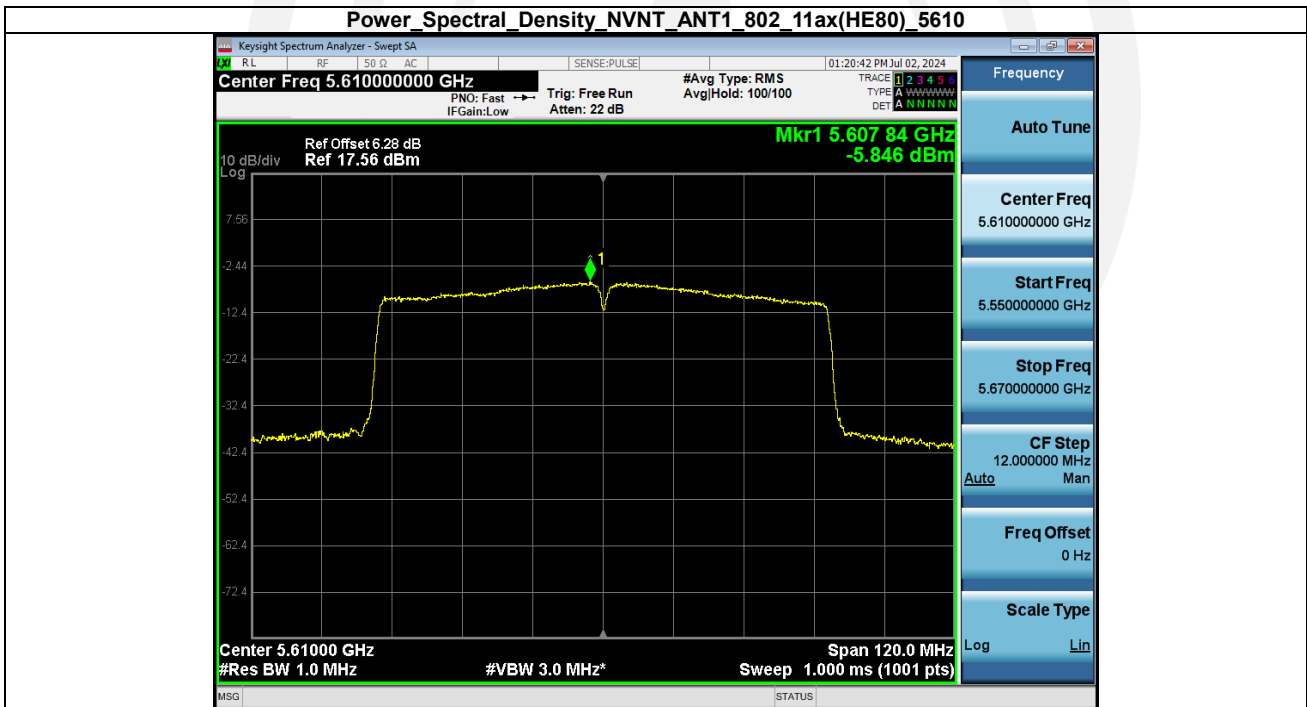
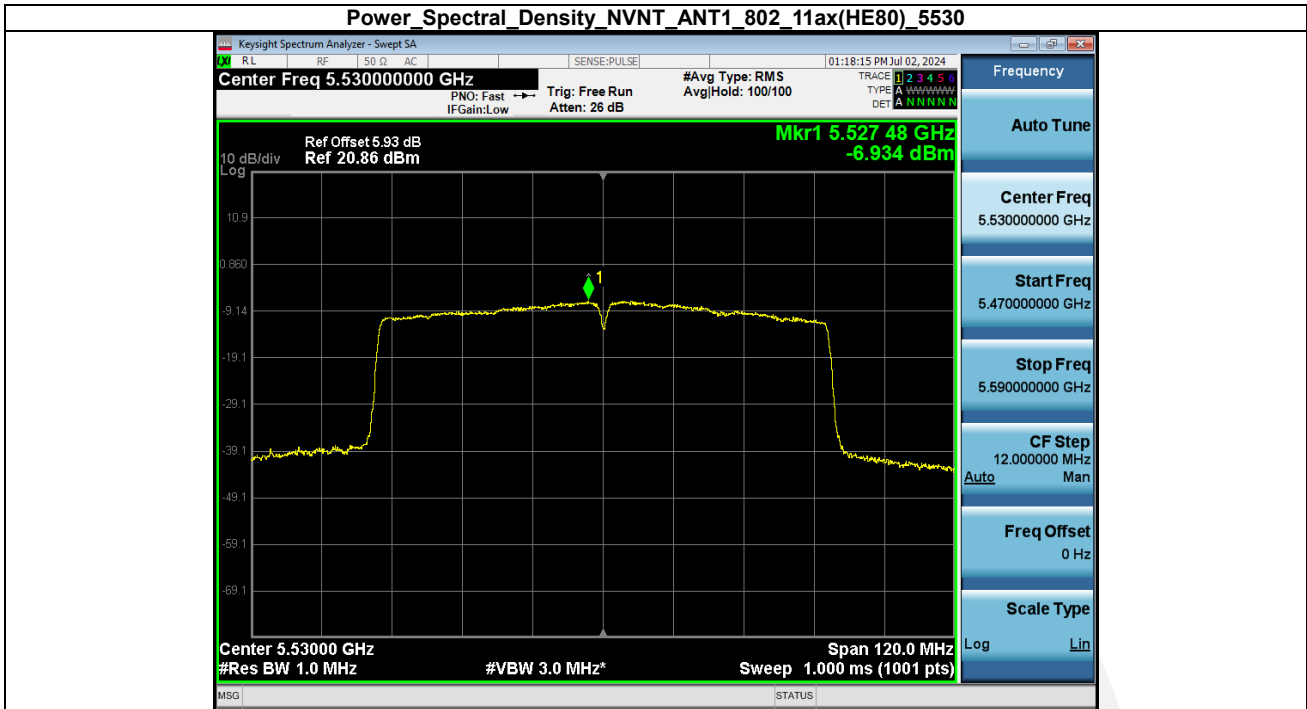






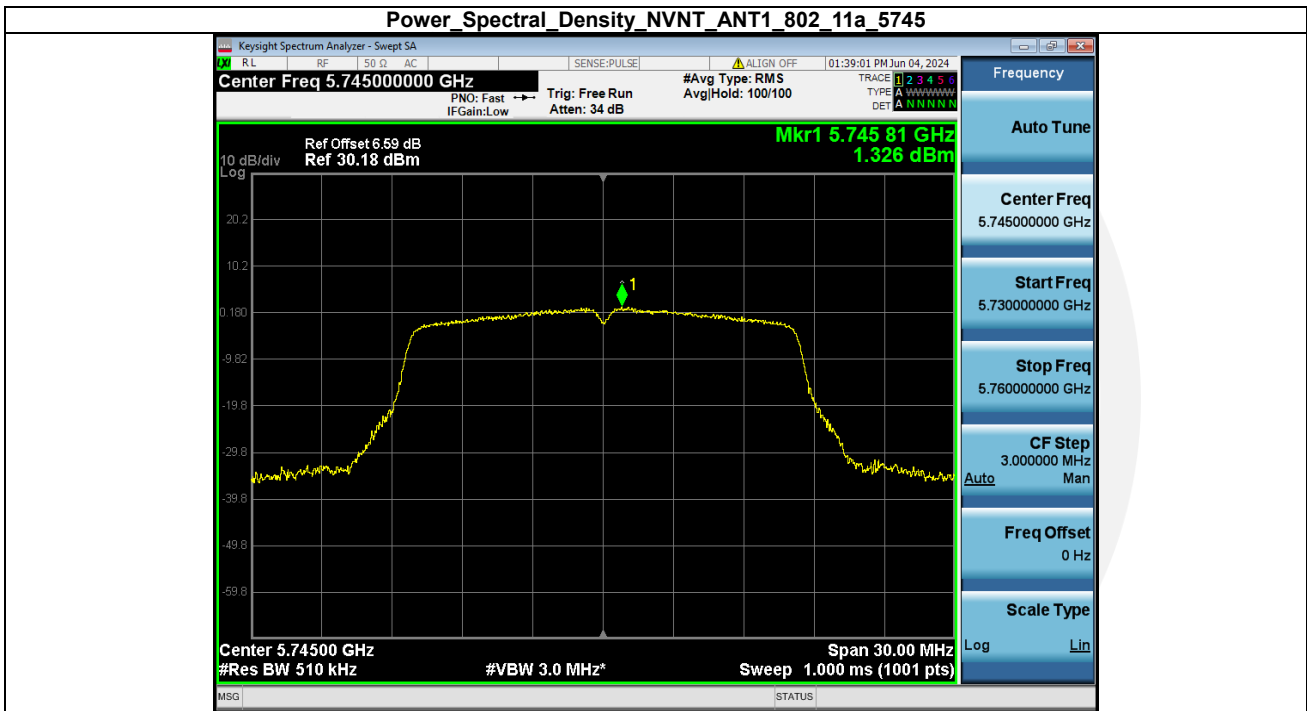


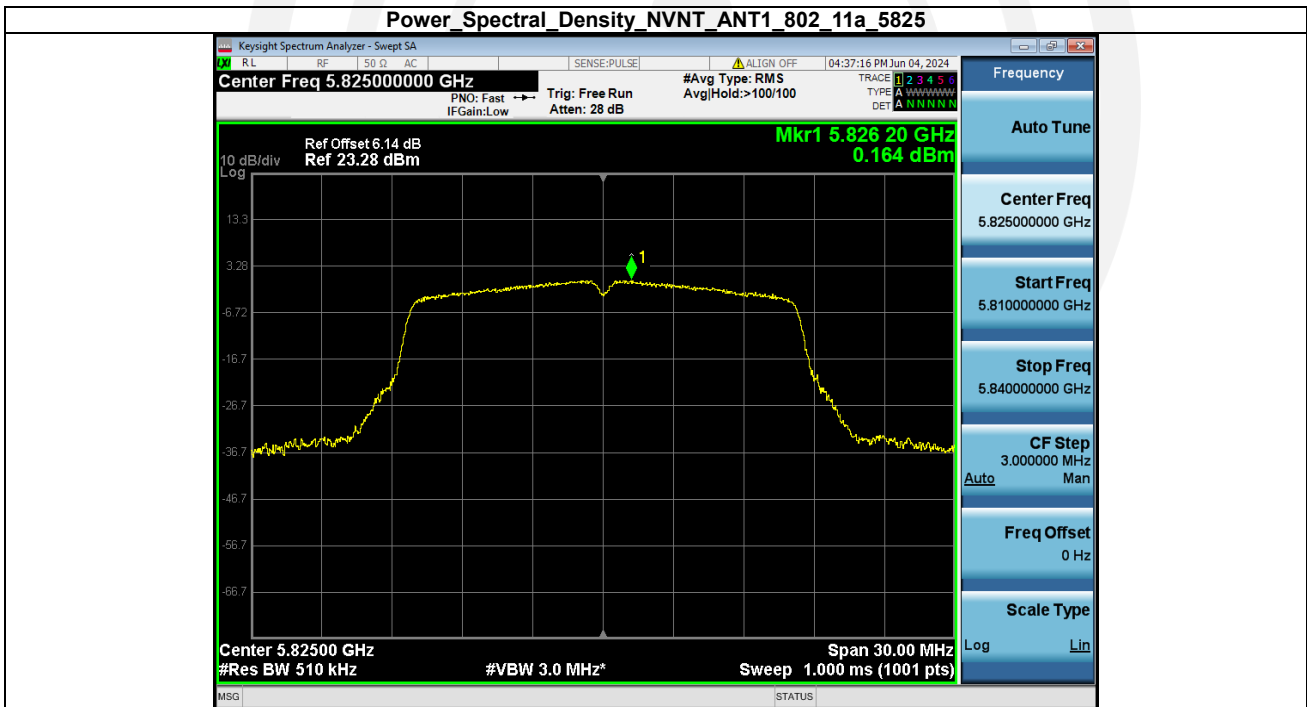
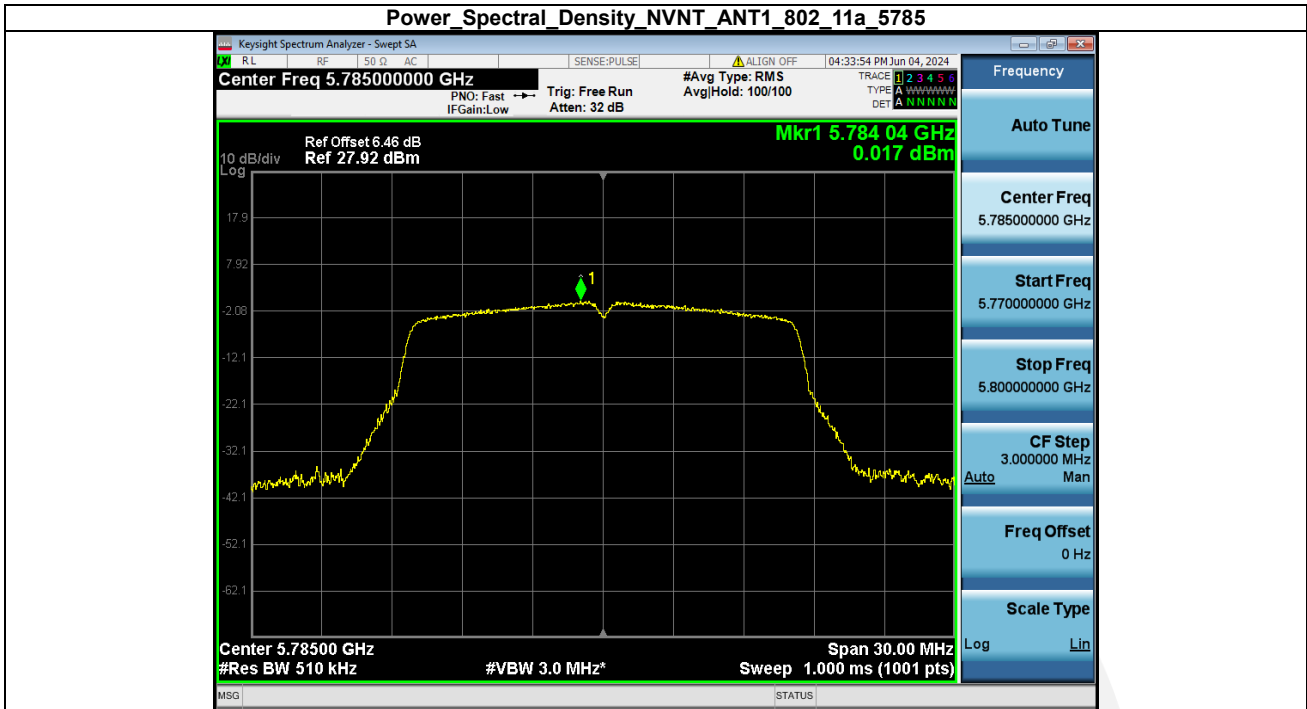


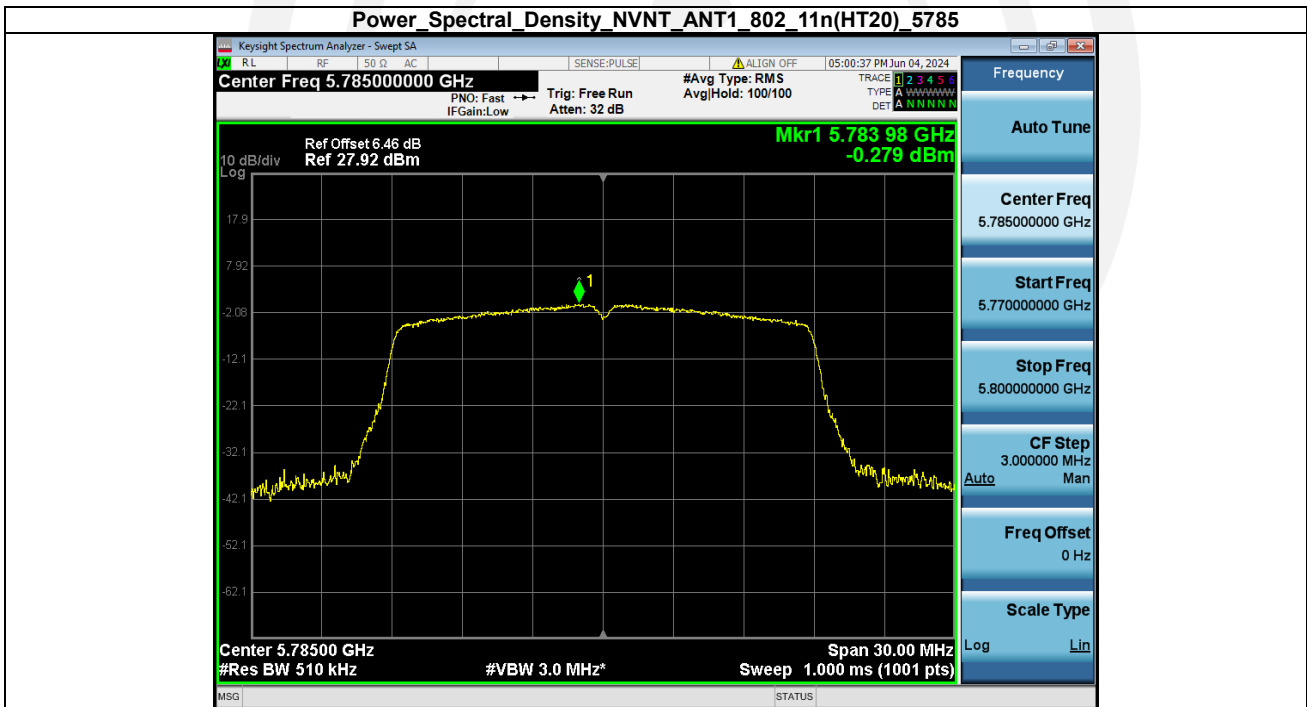
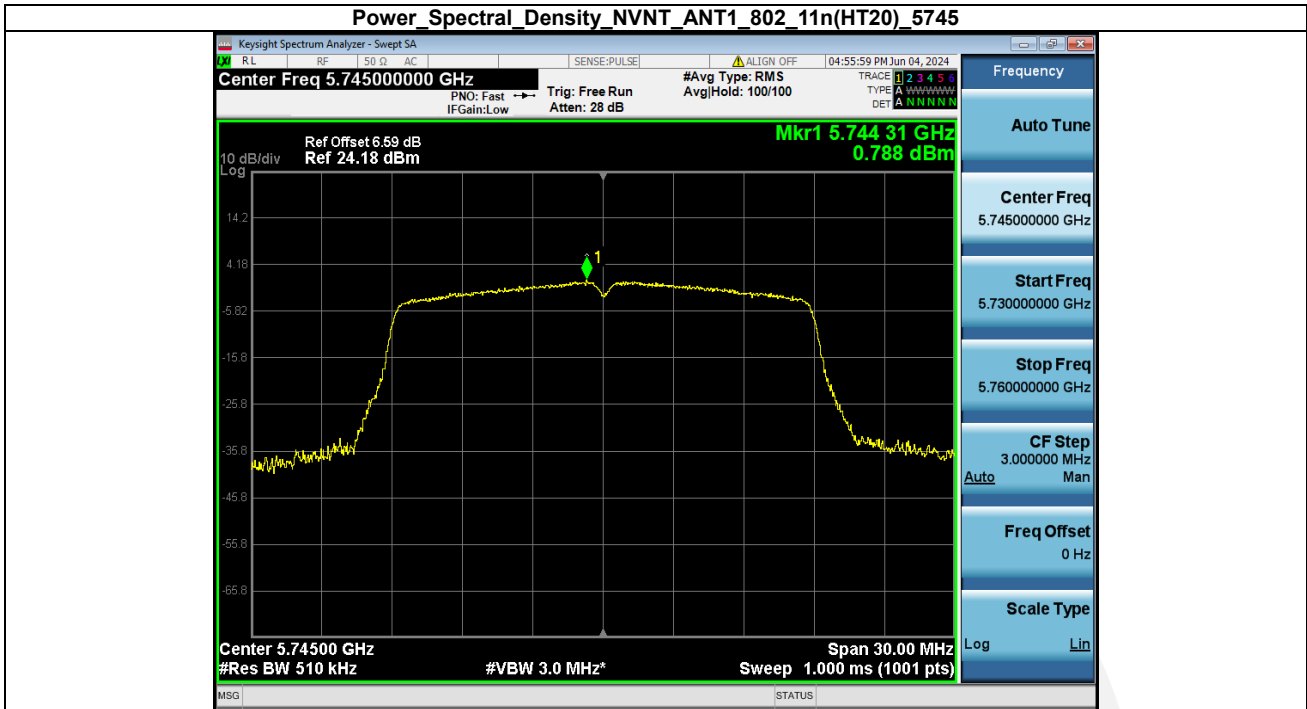


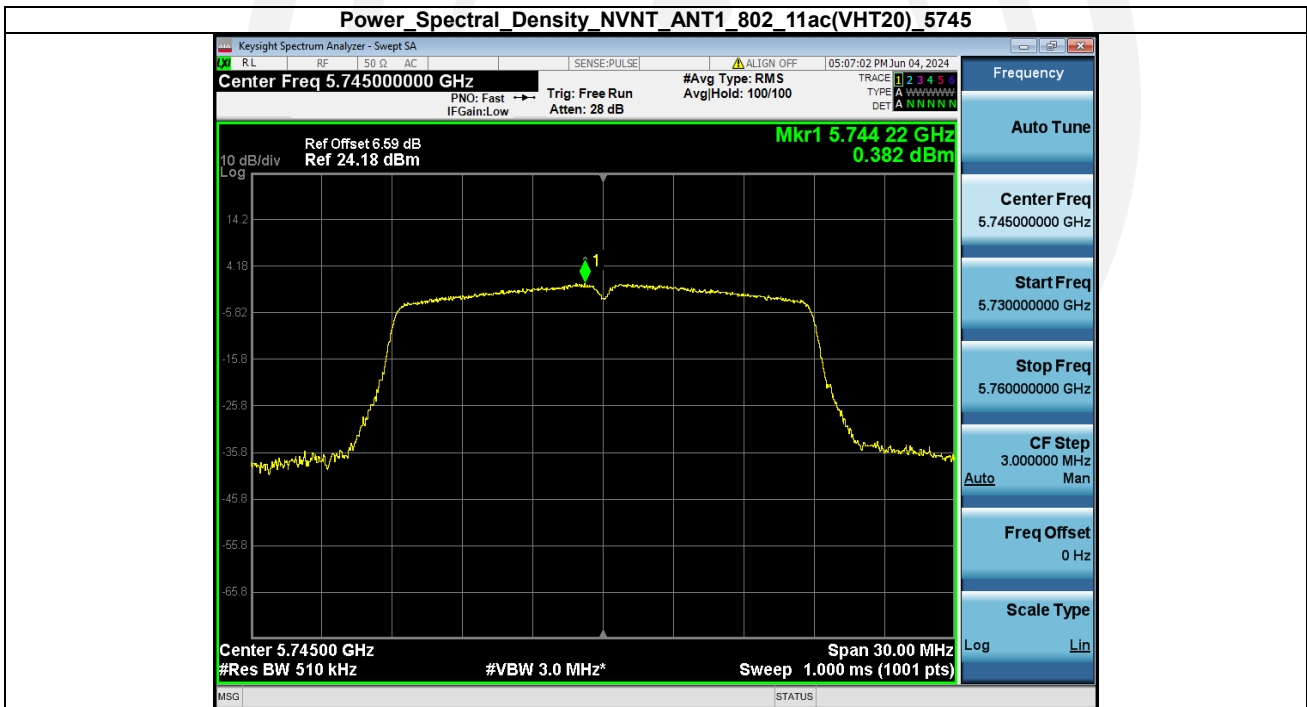
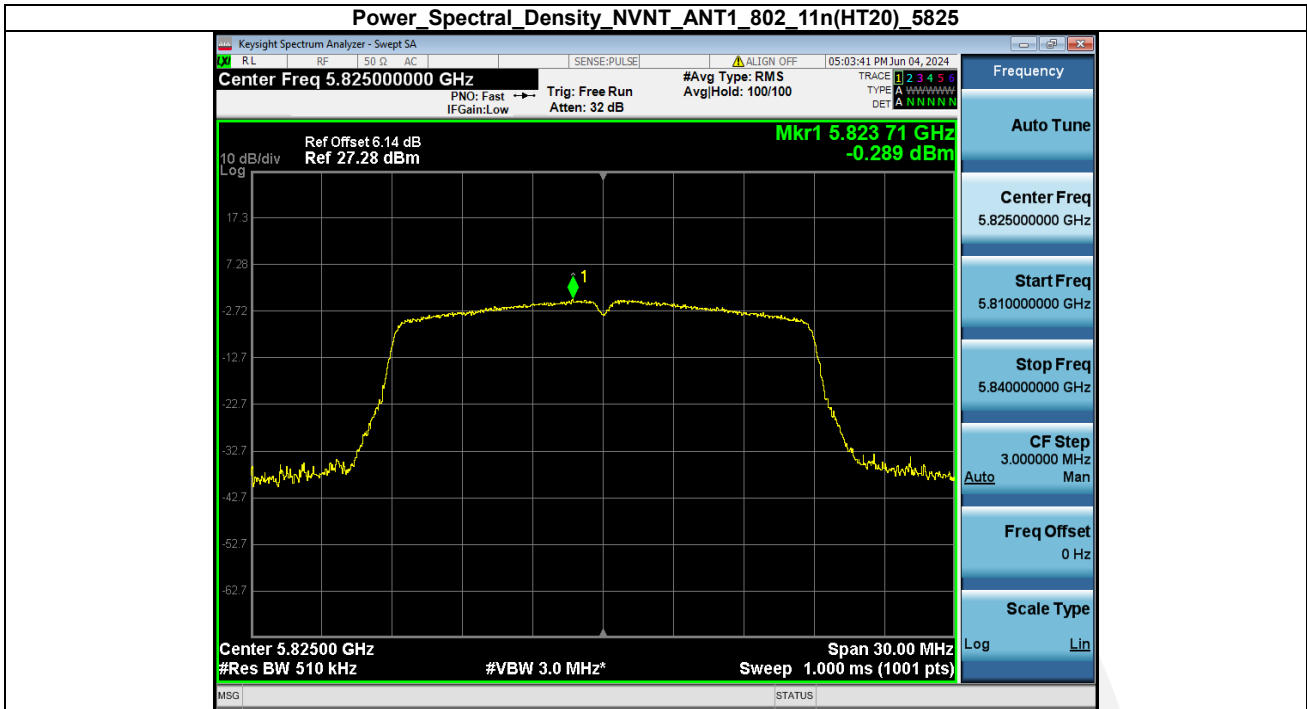
Band 4 (5725 – 5850 MHz)

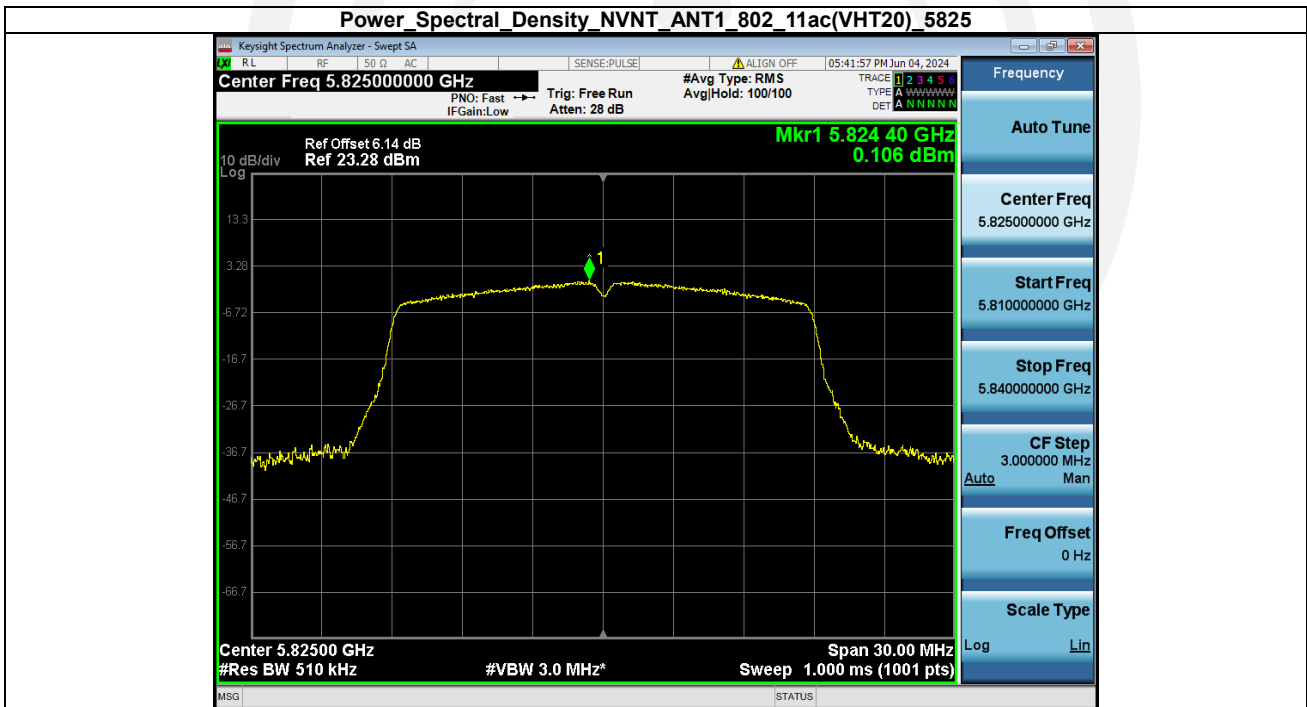
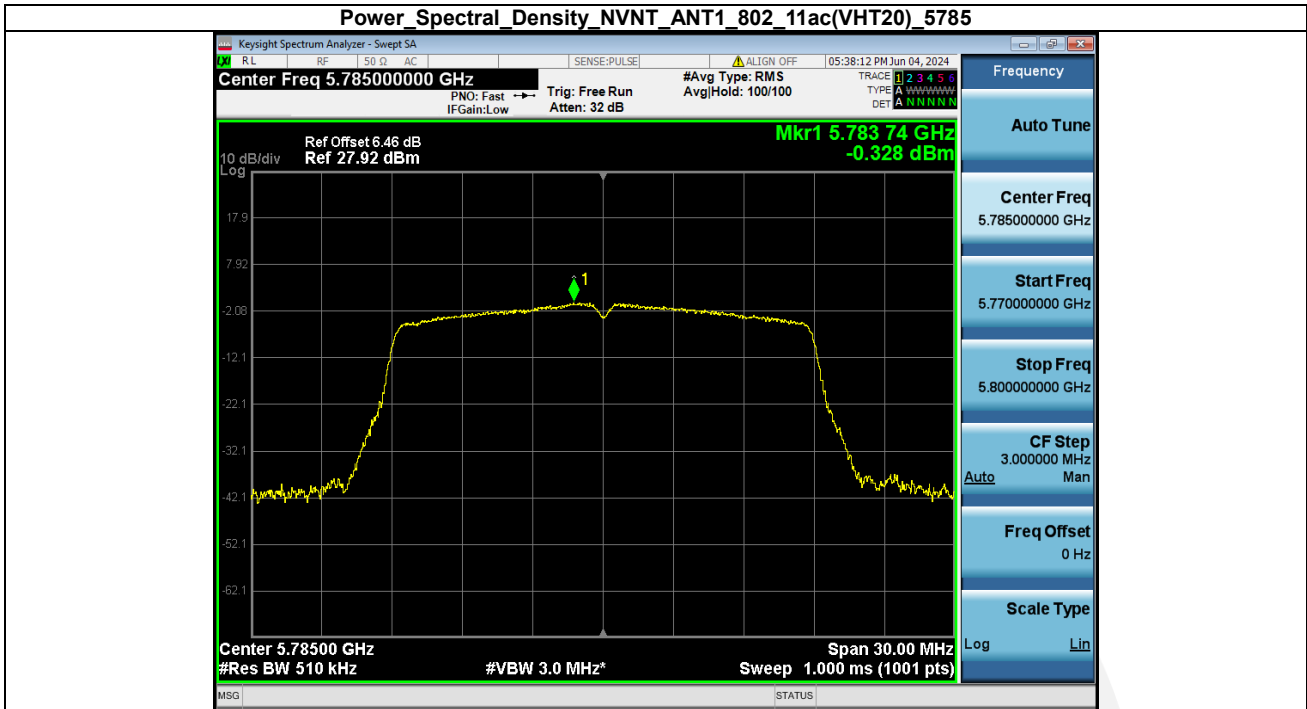
Modulation	Frequency (MHz)	PSD_SA(dBm/RBW)	Duty factor(dB)	RB factor(dB)	PSD(dBm/500kHz)	limit(dBm/500kHz)	Result
802.11a	5745.00	1.33	0.12	0	1.36	30	Pass
802.11a	5785.00	0.02	0.00	0	-0.07	30	Pass
802.11a	5825.00	0.16	0.12	0	0.20	30	Pass
802.11n(HT20)	5745.00	0.79	0.13	0	0.83	30	Pass
802.11n(HT20)	5785.00	-0.28	0.13	0	-0.24	30	Pass
802.11n(HT20)	5825.00	-0.29	0.13	0	-0.25	30	Pass
802.11ac(VHT20)	5745.00	0.38	0.00	0	0.30	30	Pass
802.11ac(VHT20)	5785.00	-0.33	0.13	0	-0.28	30	Pass
802.11ac(VHT20)	5825.00	0.11	0.13	0	0.15	30	Pass
802.11n(HT40)	5755.00	-2.38	0.26	0	-2.21	30	Pass
802.11n(HT40)	5795.00	-2.94	0.26	0	-2.77	30	Pass
802.11ac(VHT40)	5755.00	-2.80	0.26	0	-2.62	30	Pass
802.11ac(VHT40)	5795.00	-3.34	0.26	0	-3.17	30	Pass
802.11ac(VHT80)	5775.00	-6.68	0.51	0	-6.25	30	Pass

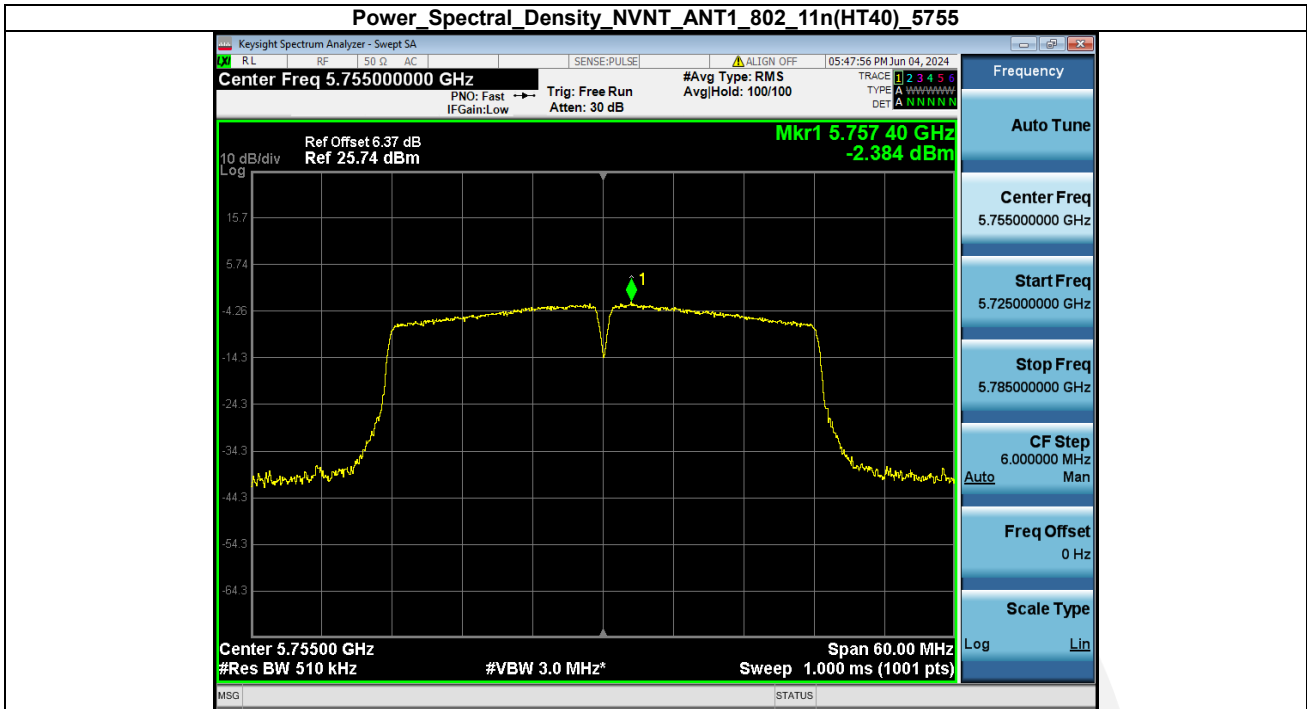


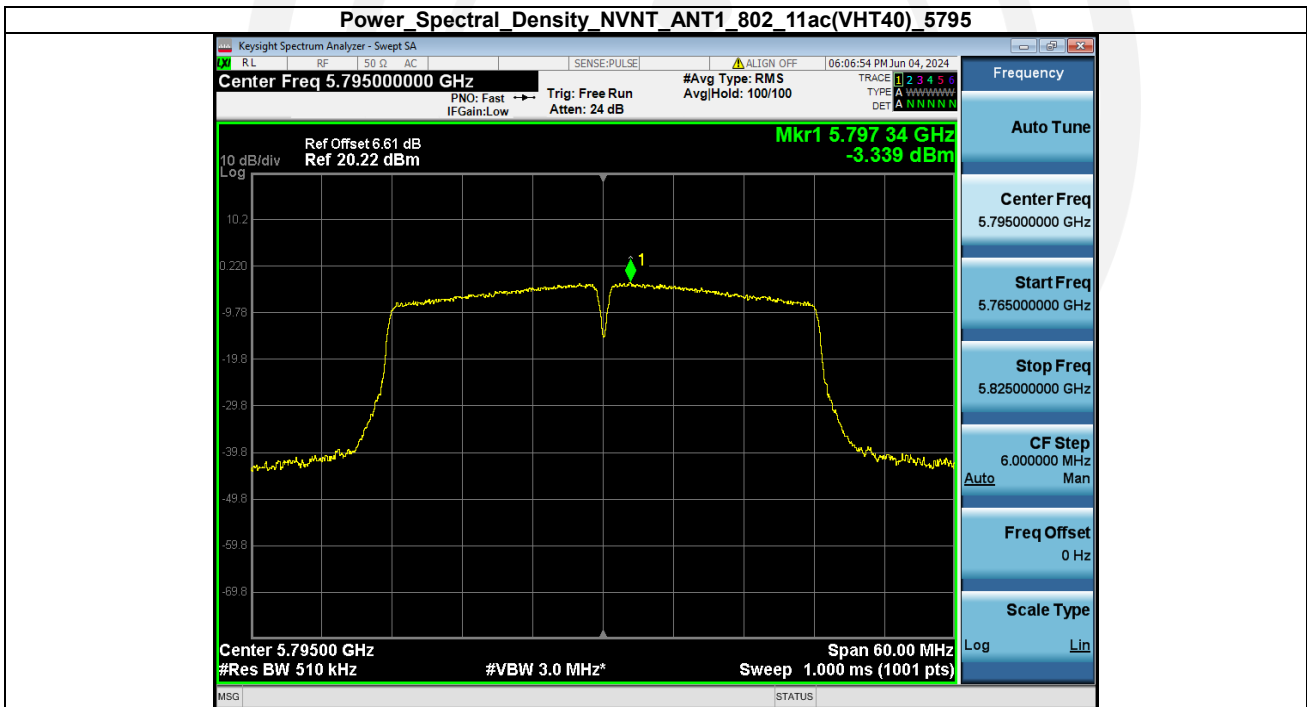
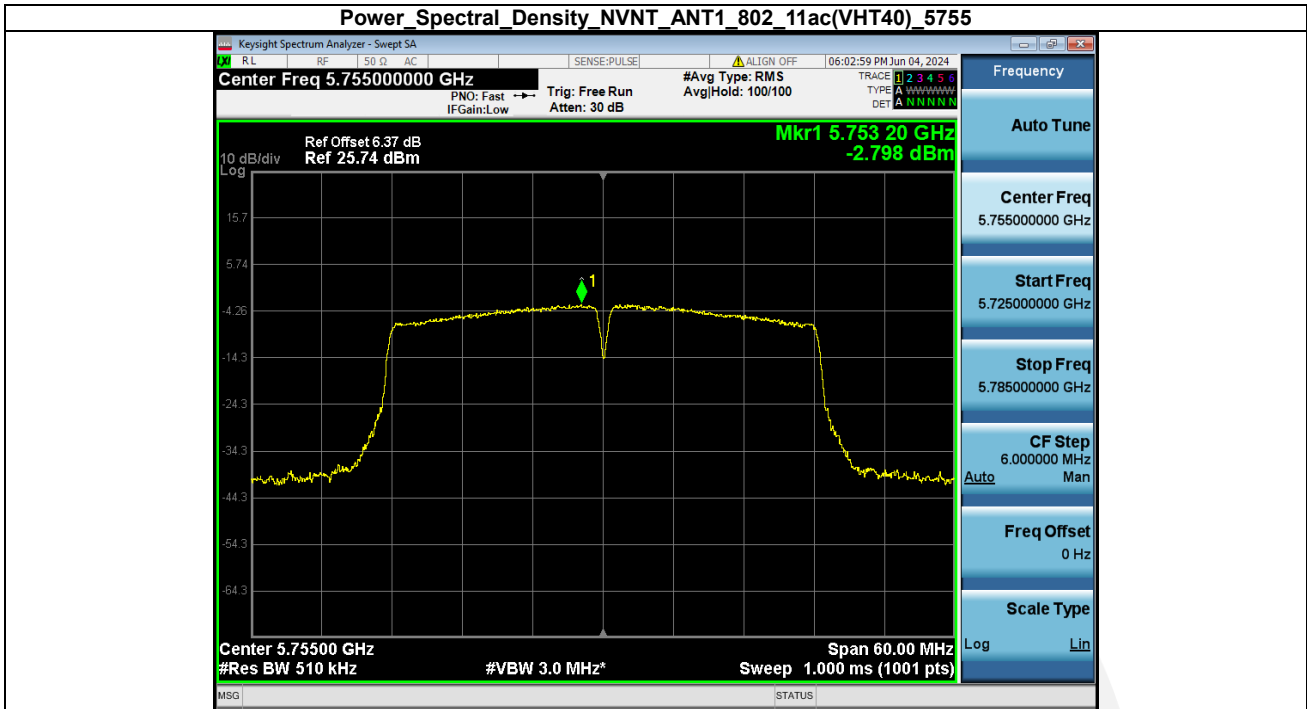


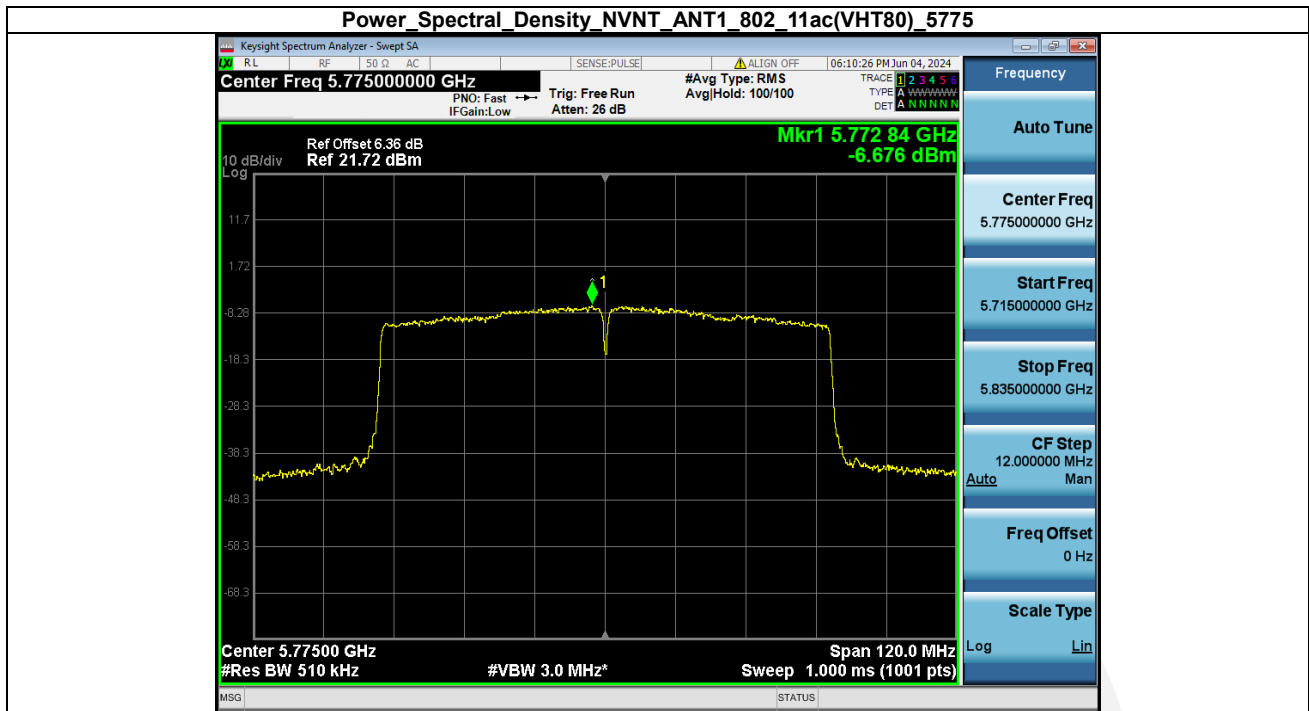












4.6 Band Edge

Test Requirement:	FCC Part15 E Section 15.407 and 15.205, RSS-Gen §8.9																								
Test Method:	ANSI C63.10:2013																								
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> 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.					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
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																							
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																								