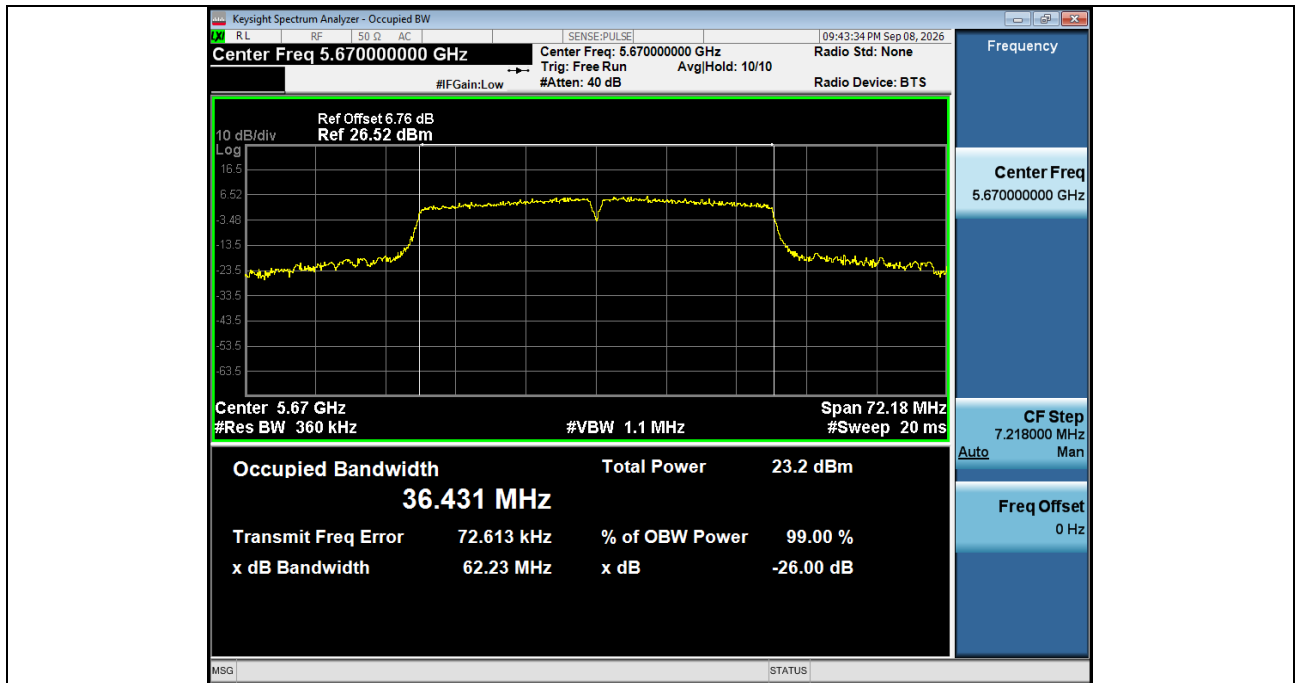
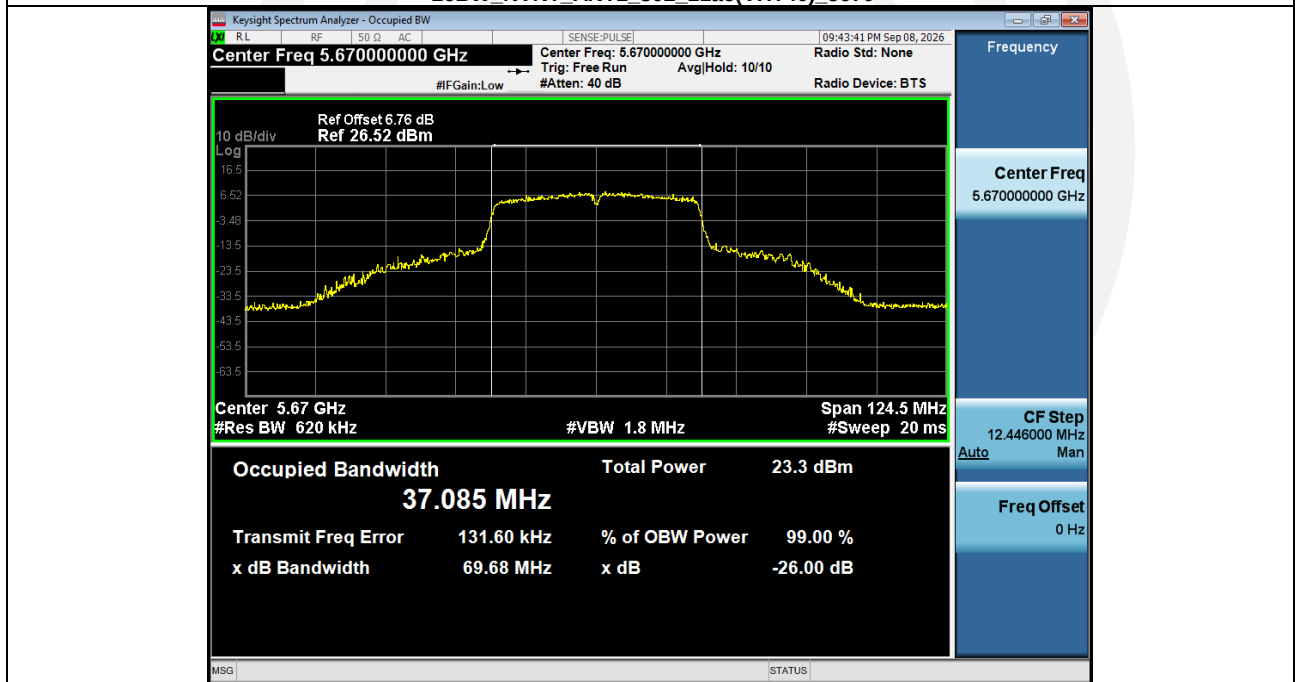
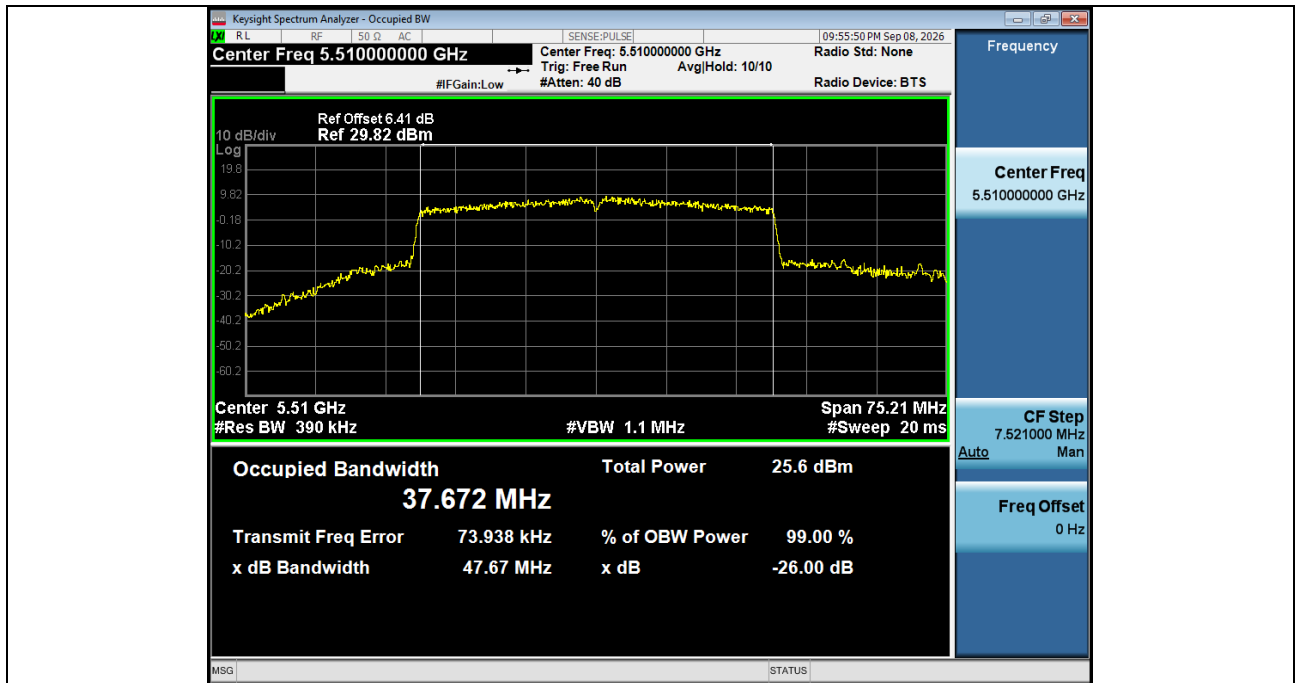




-26BW_NVNT_ANT1_802_11ac(VHT40)_5670



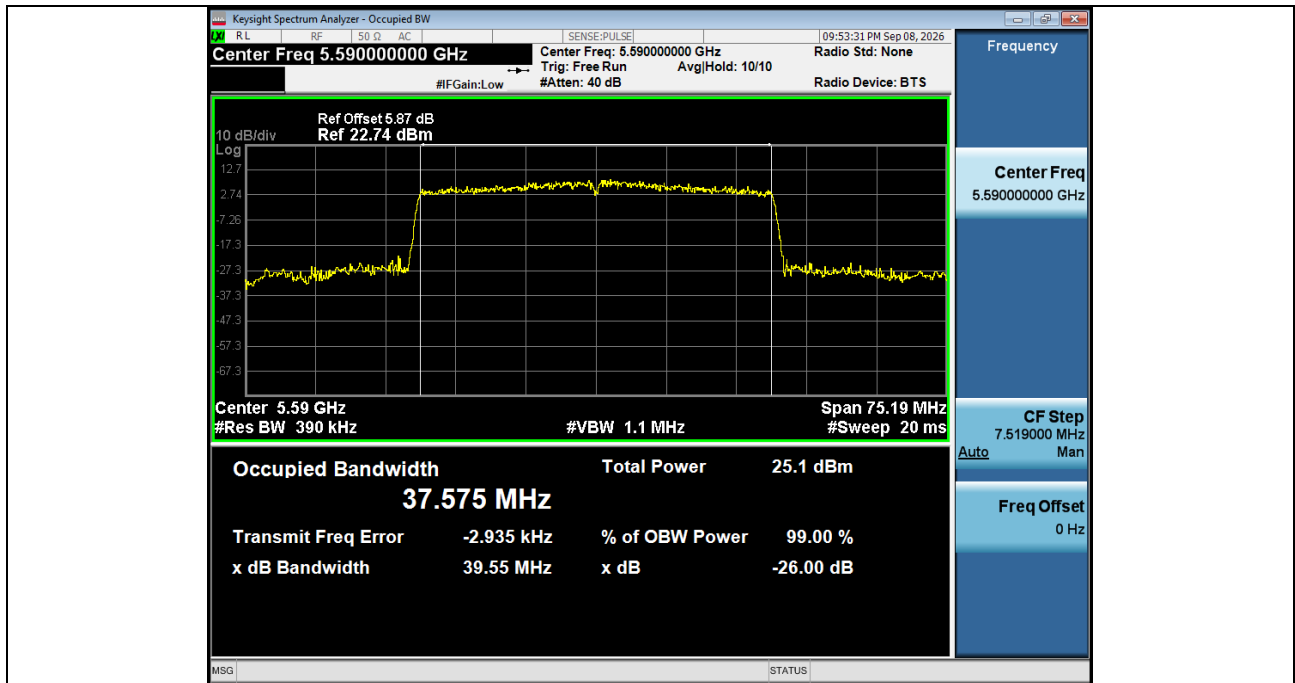
99%_OCB_NVNT_ANT1_802_11ax(HE40)_5510



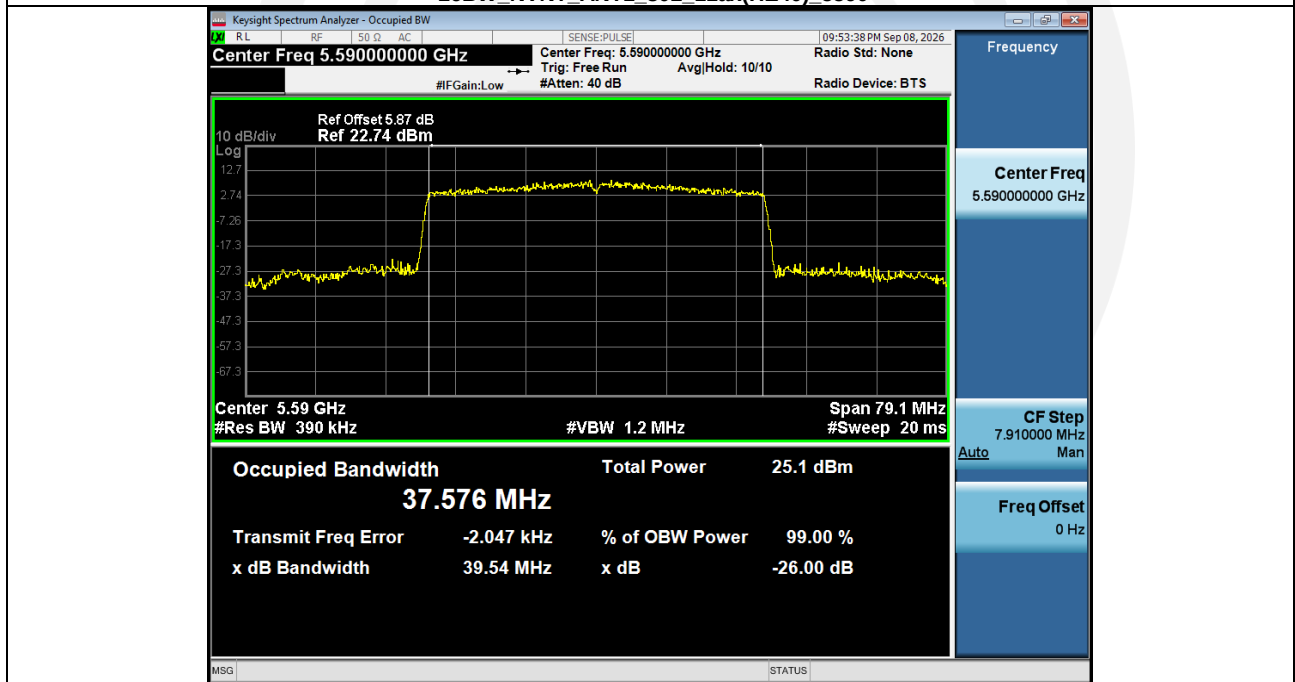
-26BW NVNT_ANT1_802_11ax(HE40)_5510



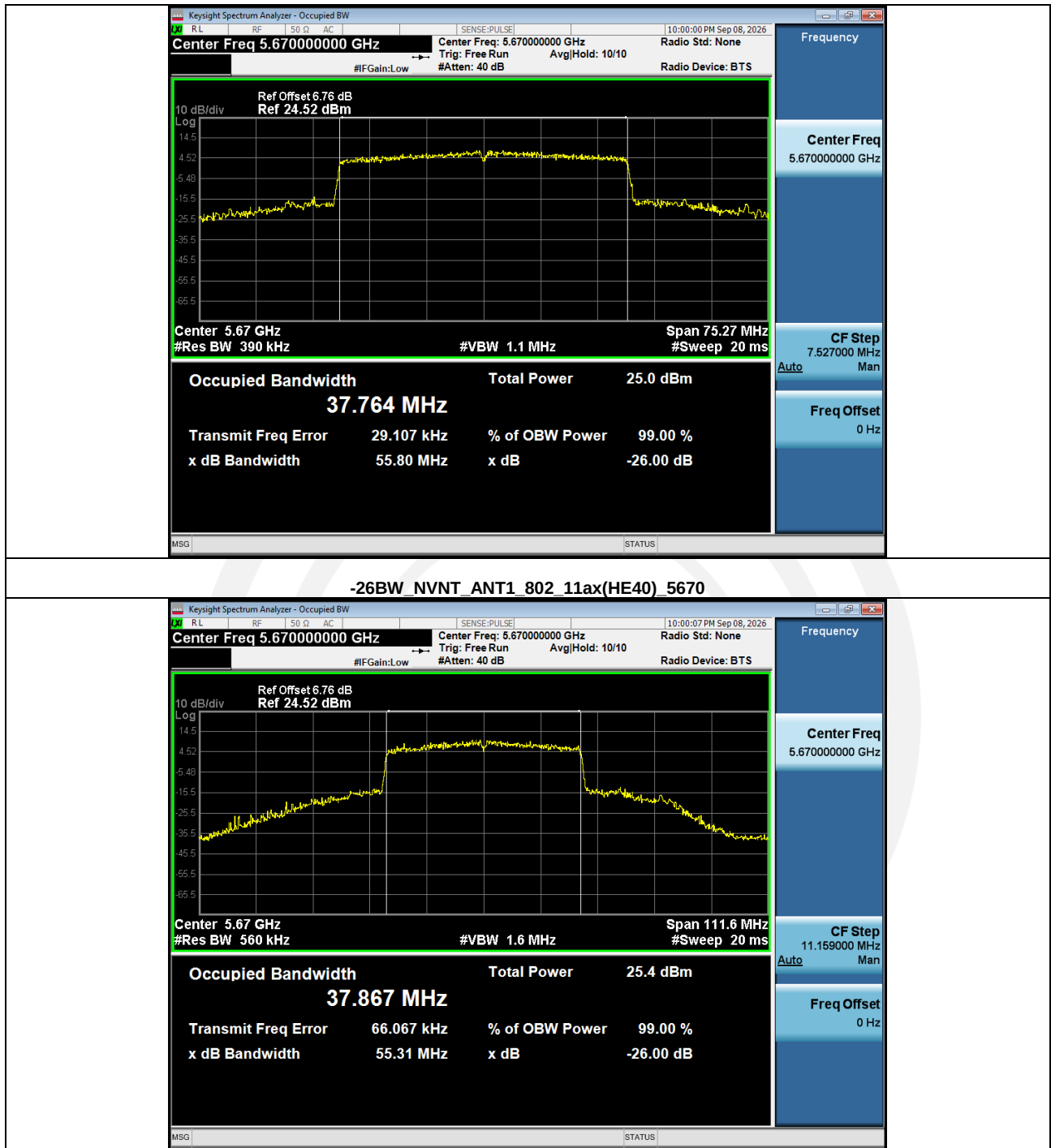
99%_OCB_NVNT_ANT1_802_11ax(HE40)_5590



-26BW_NVNT_ANT1_802_11ax(HE40)_5590

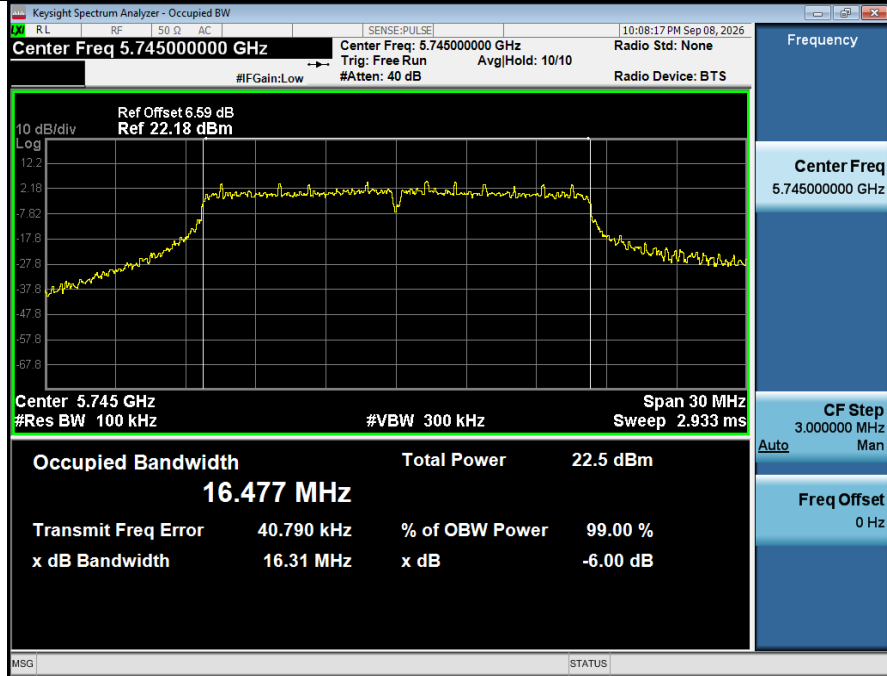
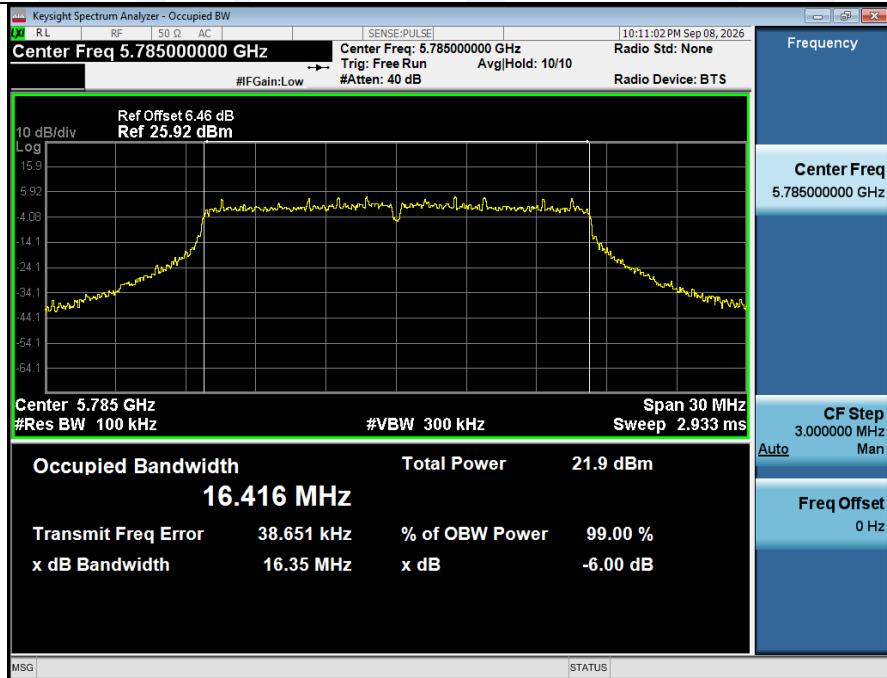


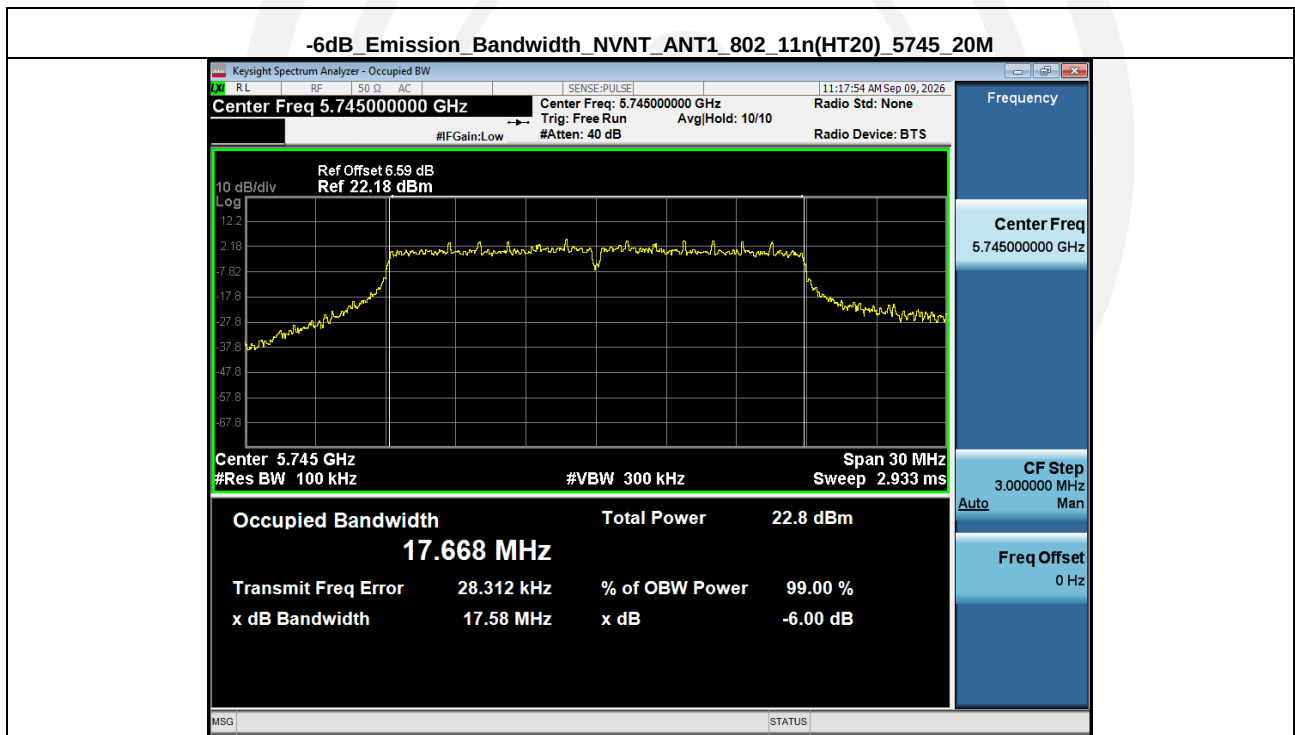
99%_OCB_NVNT_ANT1_802_11ax(HE40)_5670



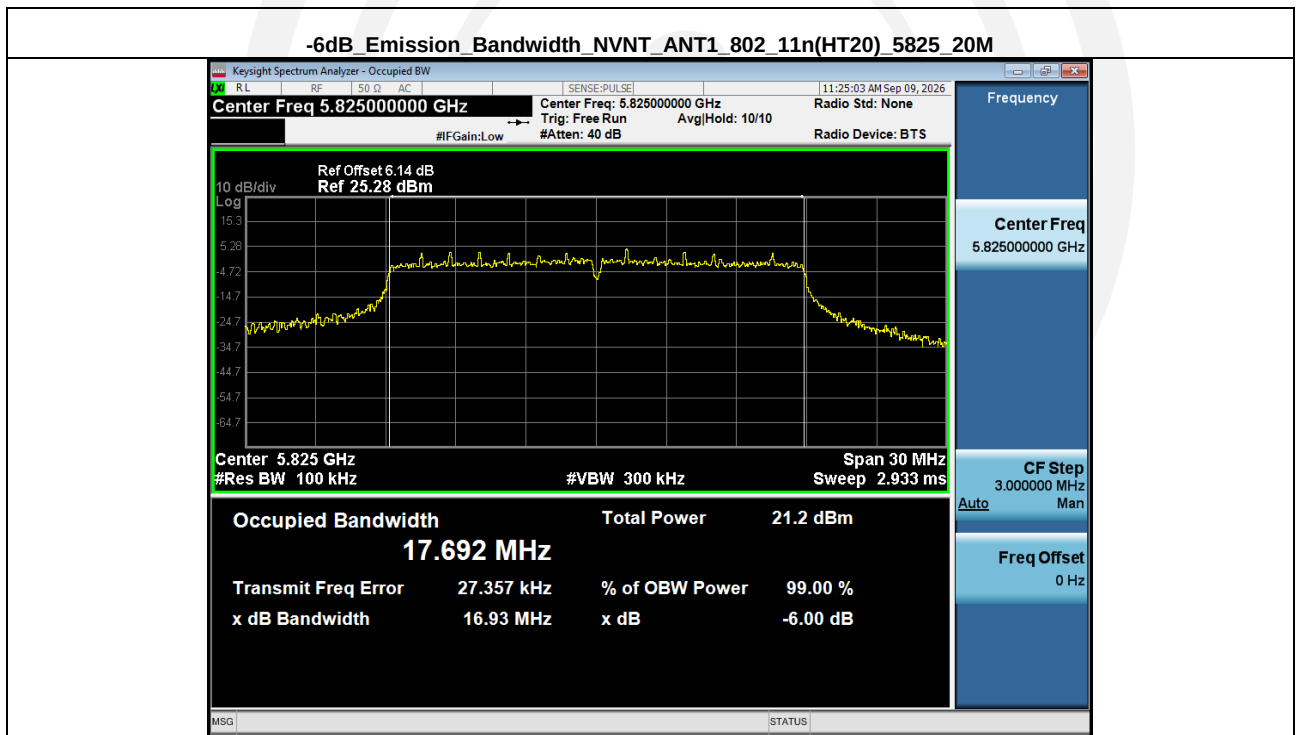
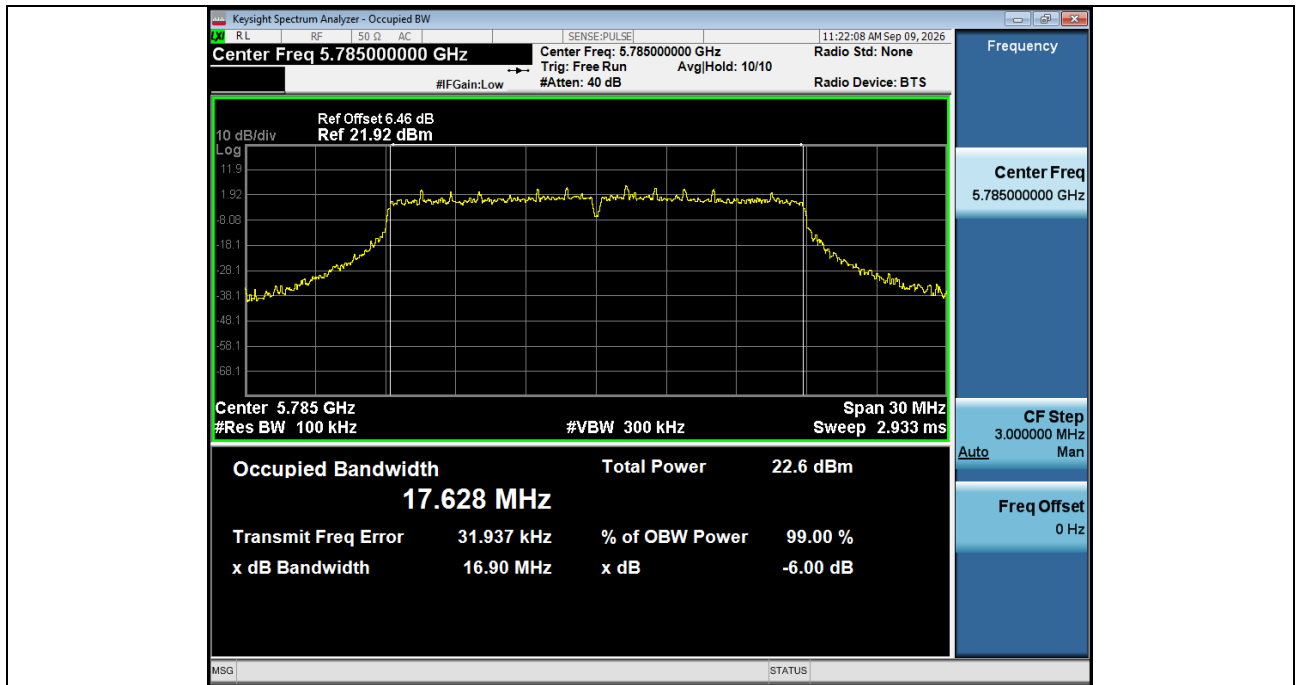
Band 4 (5725-5850 MHz):

Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5745.00	16.306	0.500	Pass
NVNT	ANT1	802.11a	5785.00	16.349	0.500	Pass
NVNT	ANT1	802.11a	5825.00	16.352	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	17.580	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	16.898	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	16.930	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	16.534	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	16.795	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	17.023	0.500	Pass
NVNT	ANT1	802.11ax(HE20)	5745.00	18.800	0.500	Pass
NVNT	ANT1	802.11ax(HE20)	5785.00	17.556	0.500	Pass
NVNT	ANT1	802.11ax(HE20)	5825.00	18.503	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	35.175	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	35.164	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	35.122	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	35.148	0.500	Pass
NVNT	ANT1	802.11ax(HE40)	5755.00	36.139	0.500	Pass
NVNT	ANT1	802.11ax(HE40)	5795.00	35.608	0.500	Pass

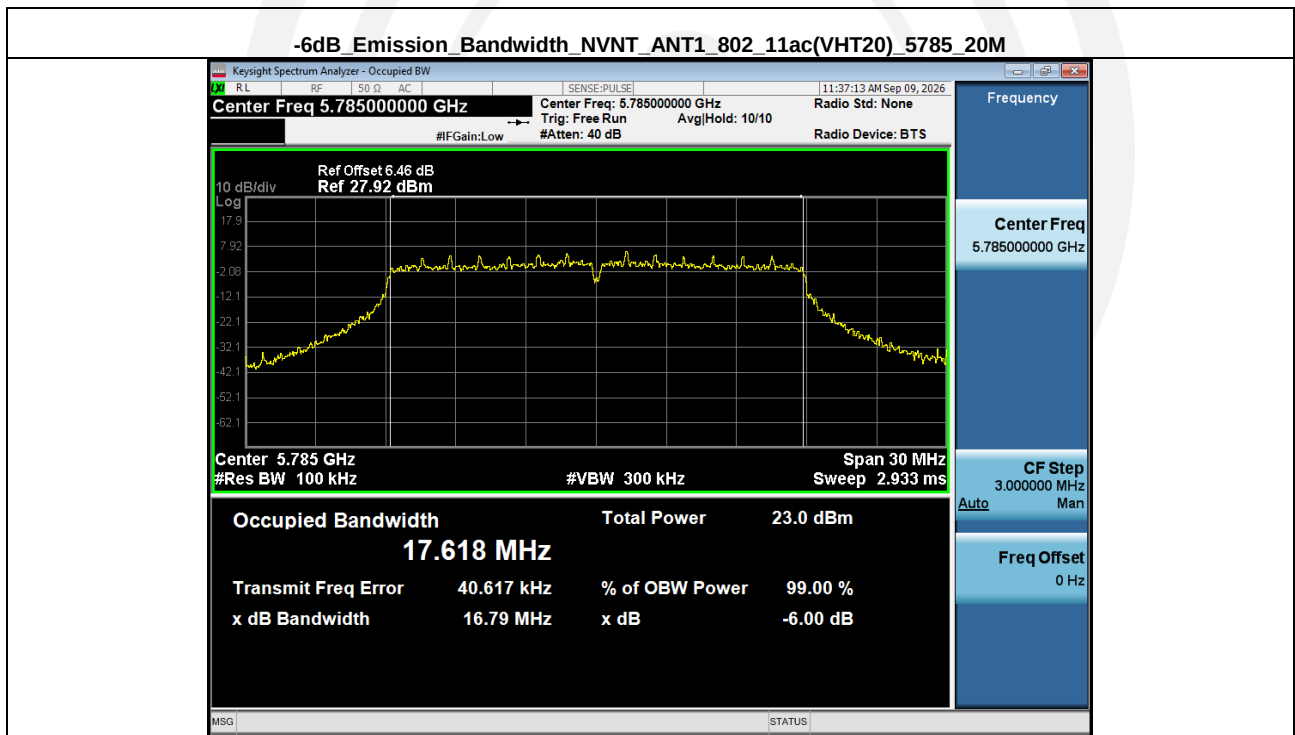
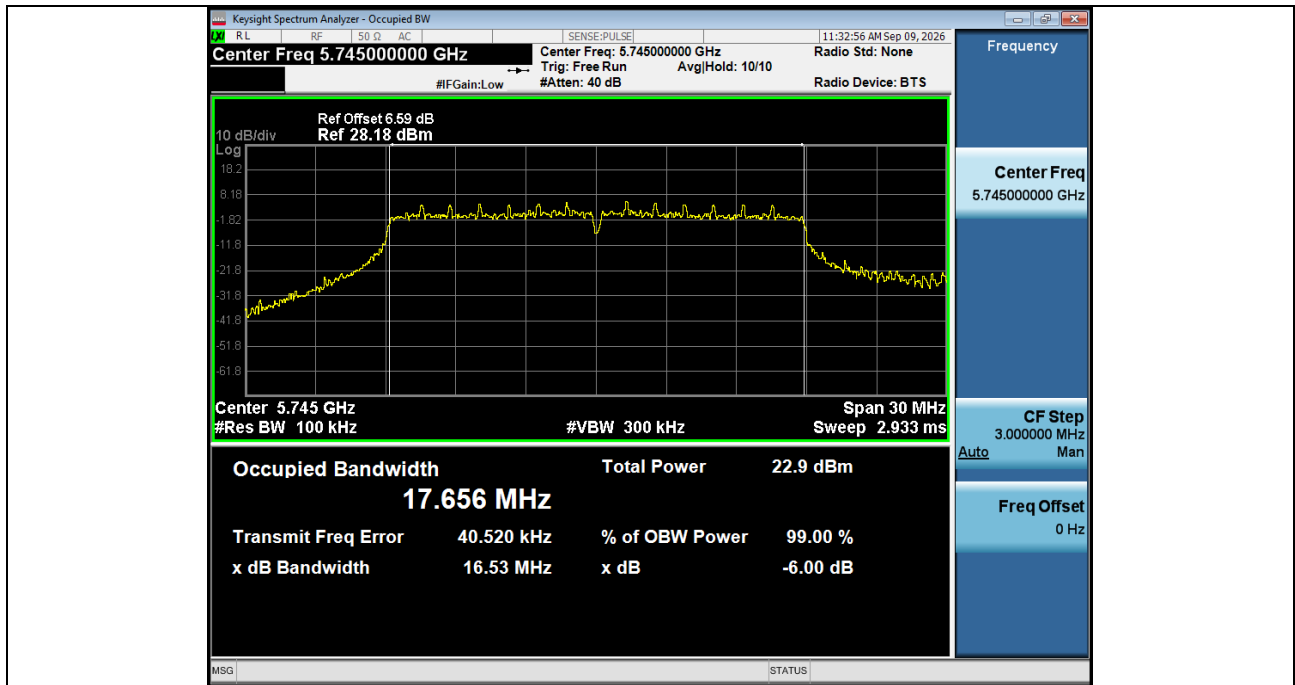
-6dB Emission Bandwidth_NVNT_ANT1_802_11a_5745_20M**-6dB Emission Bandwidth_NVNT_ANT1_802_11a_5785_20M****-6dB Emission Bandwidth_NVNT_ANT1_802_11a_5825_20M**



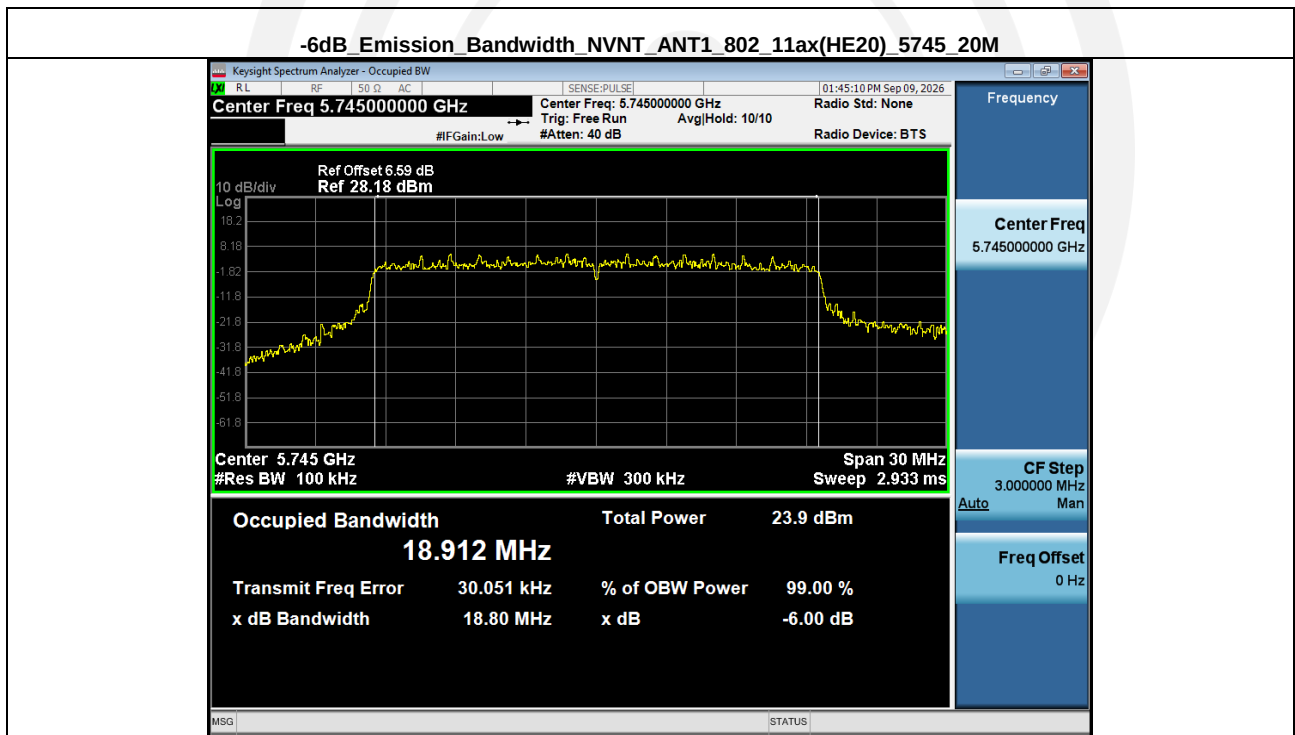
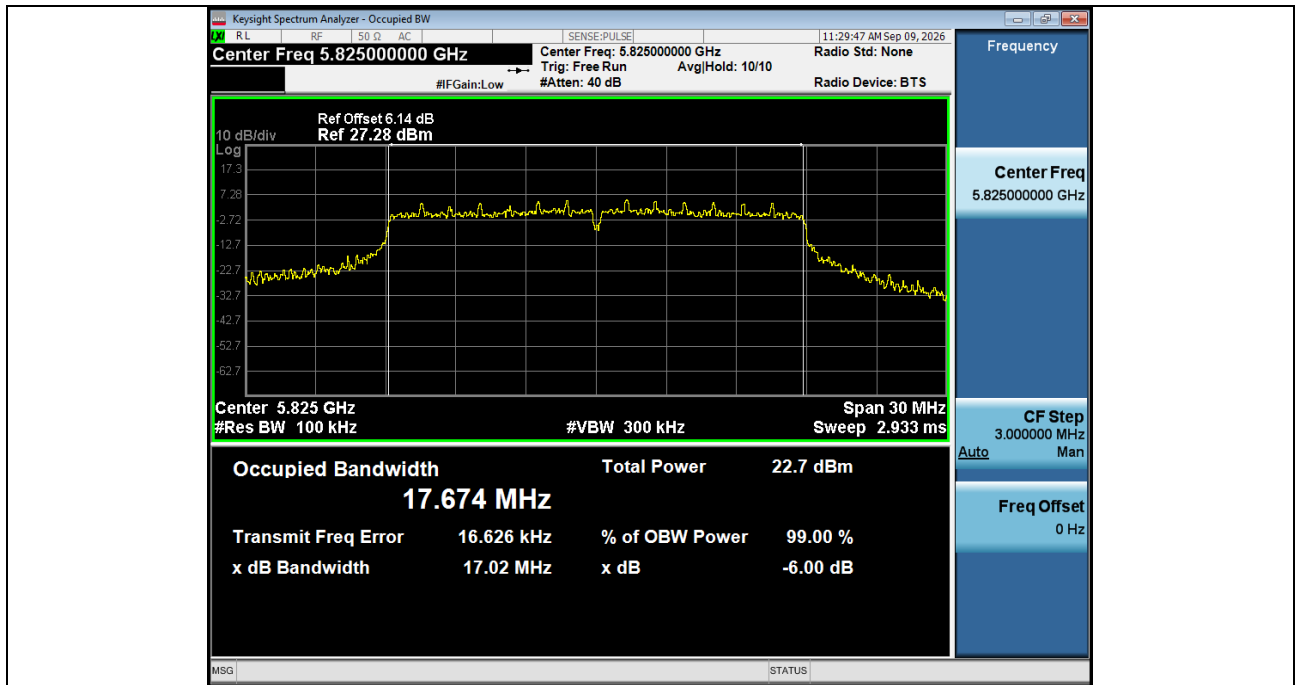
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11n(HT20)_5785_20M



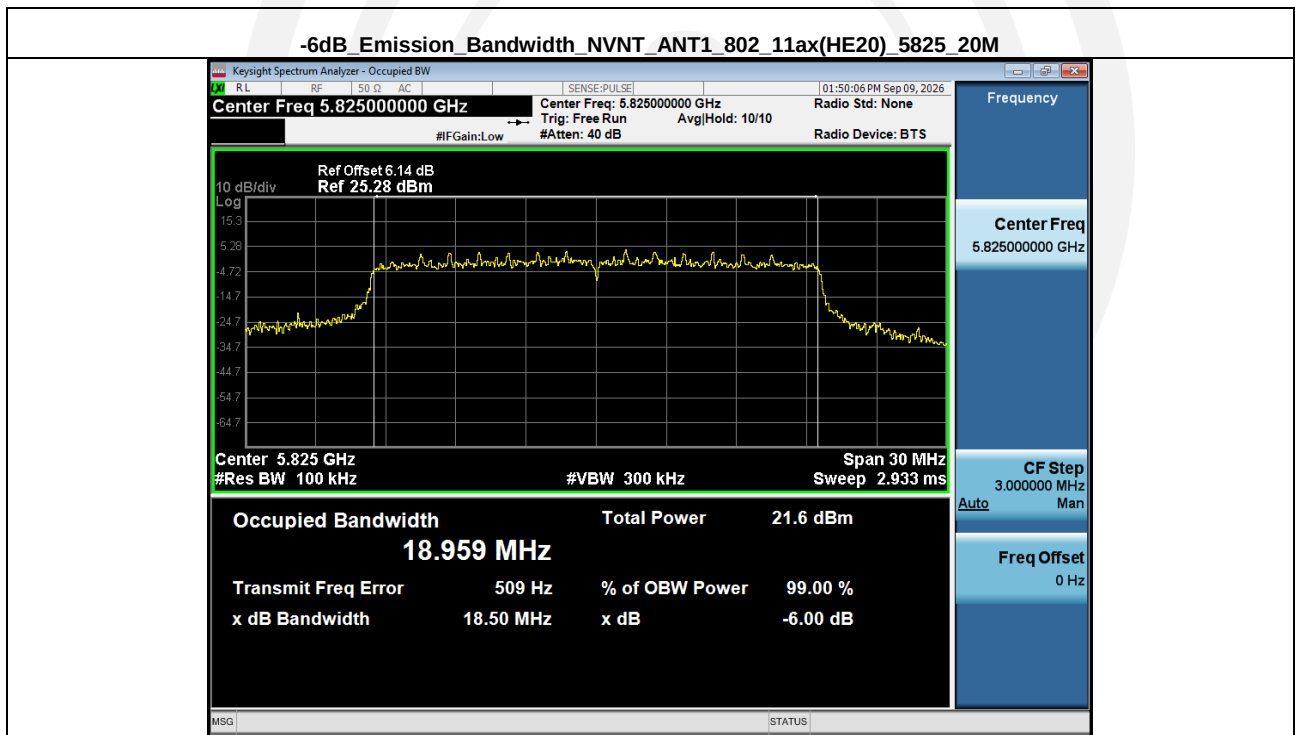
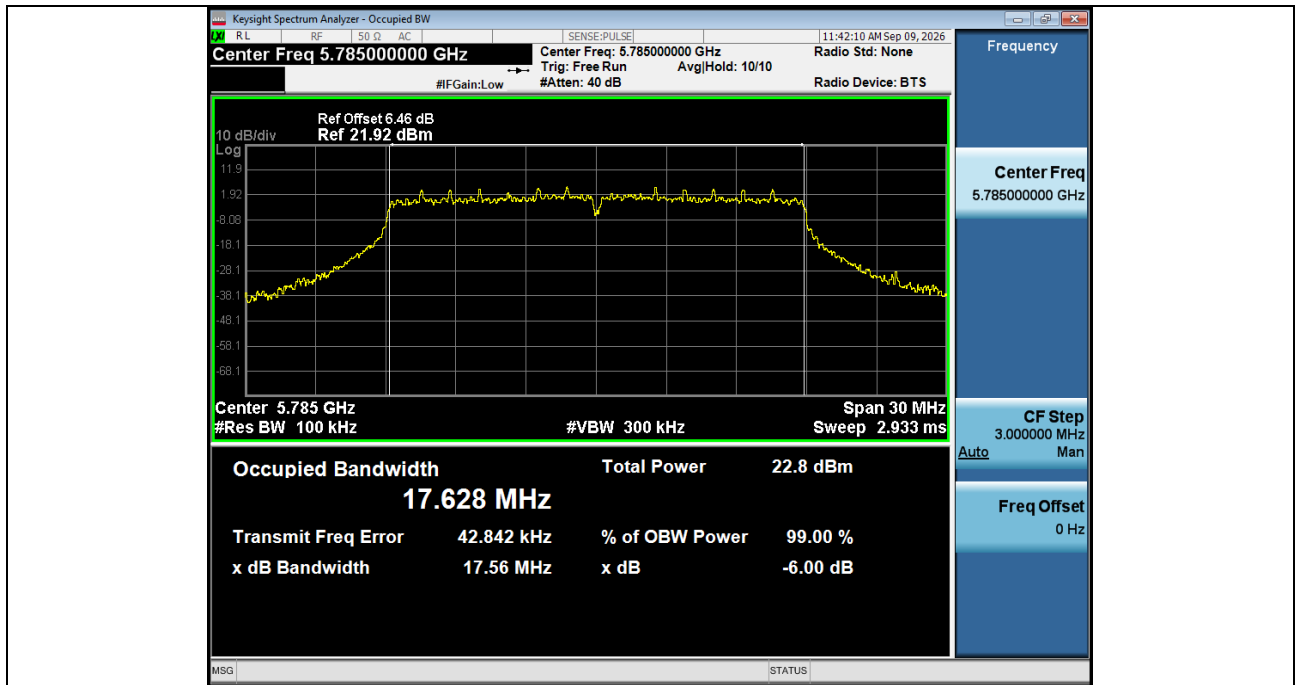
-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT20)_5745_20M



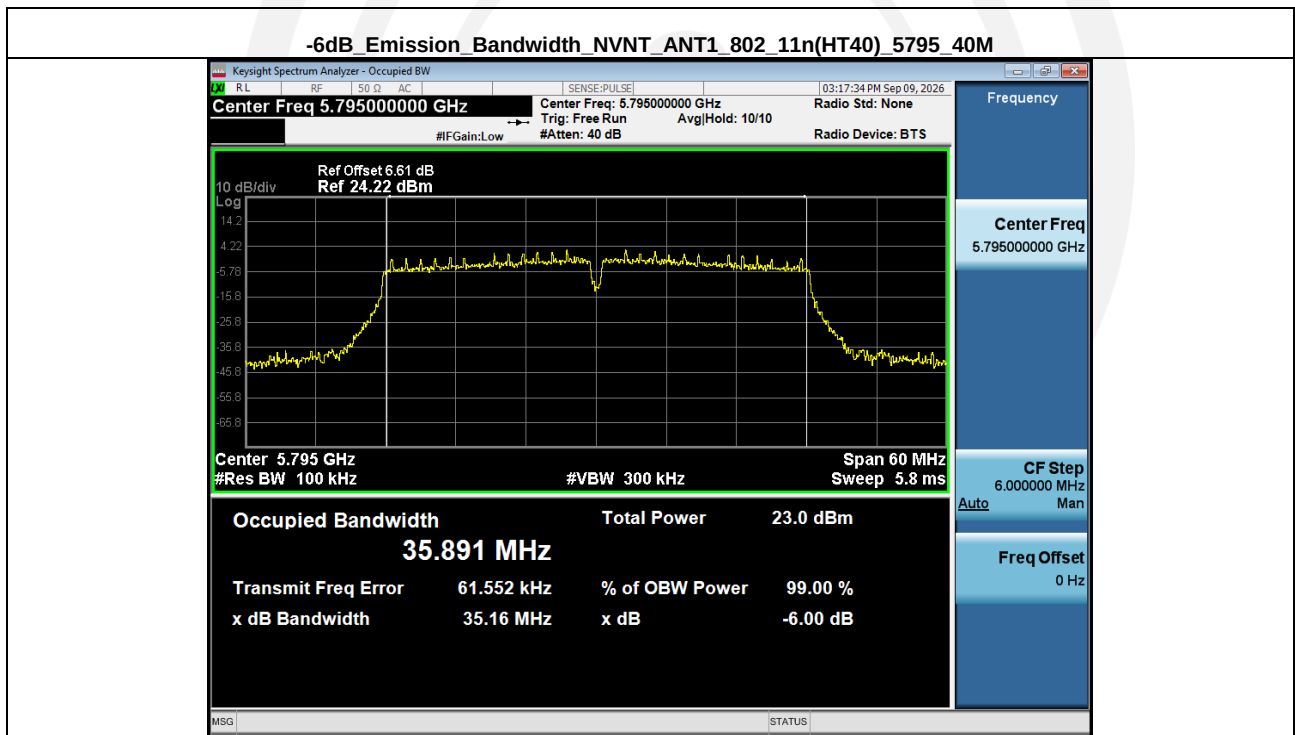
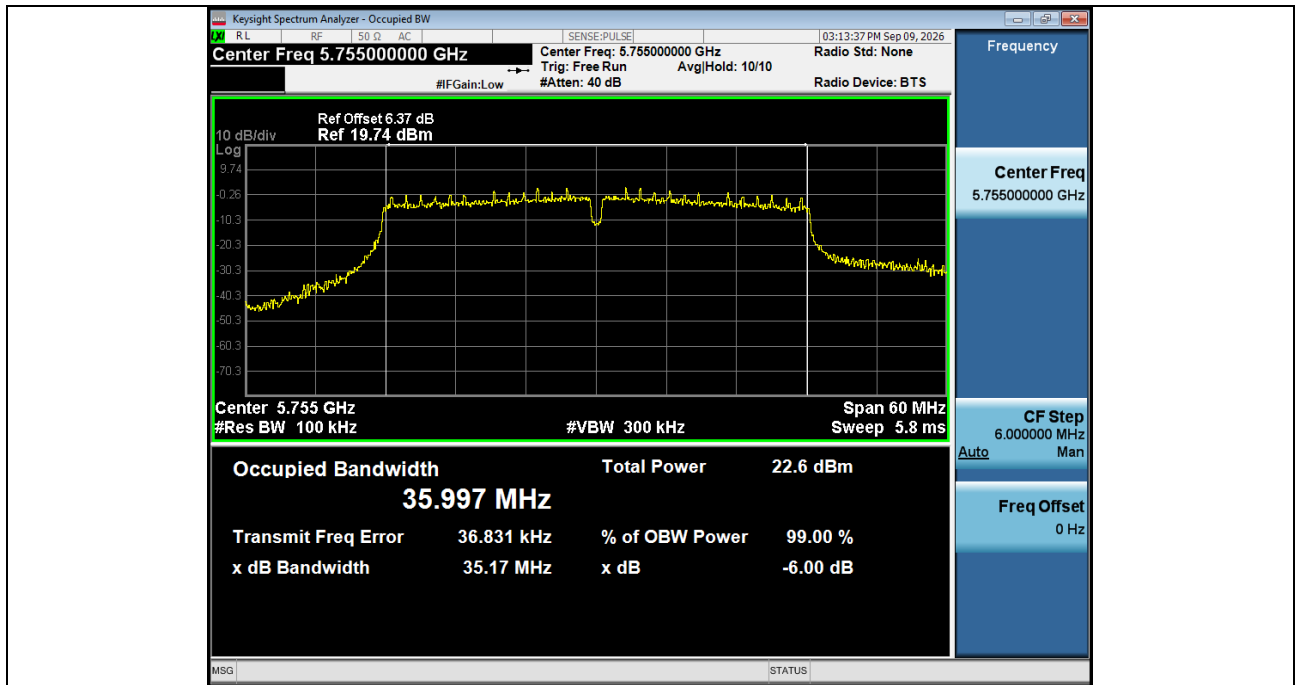
-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT20)_5825_20M



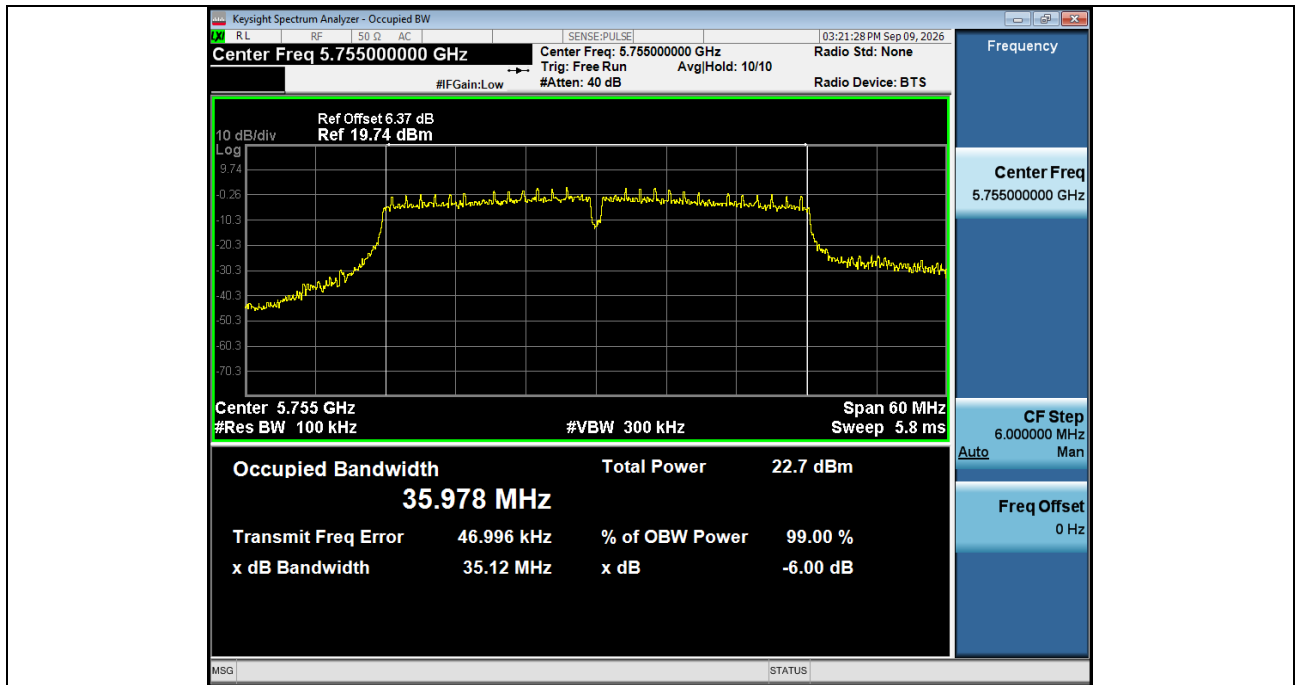
-6dB Emission Bandwidth_NVNT_ANT1_802_11ax(HE20)_5785_20M



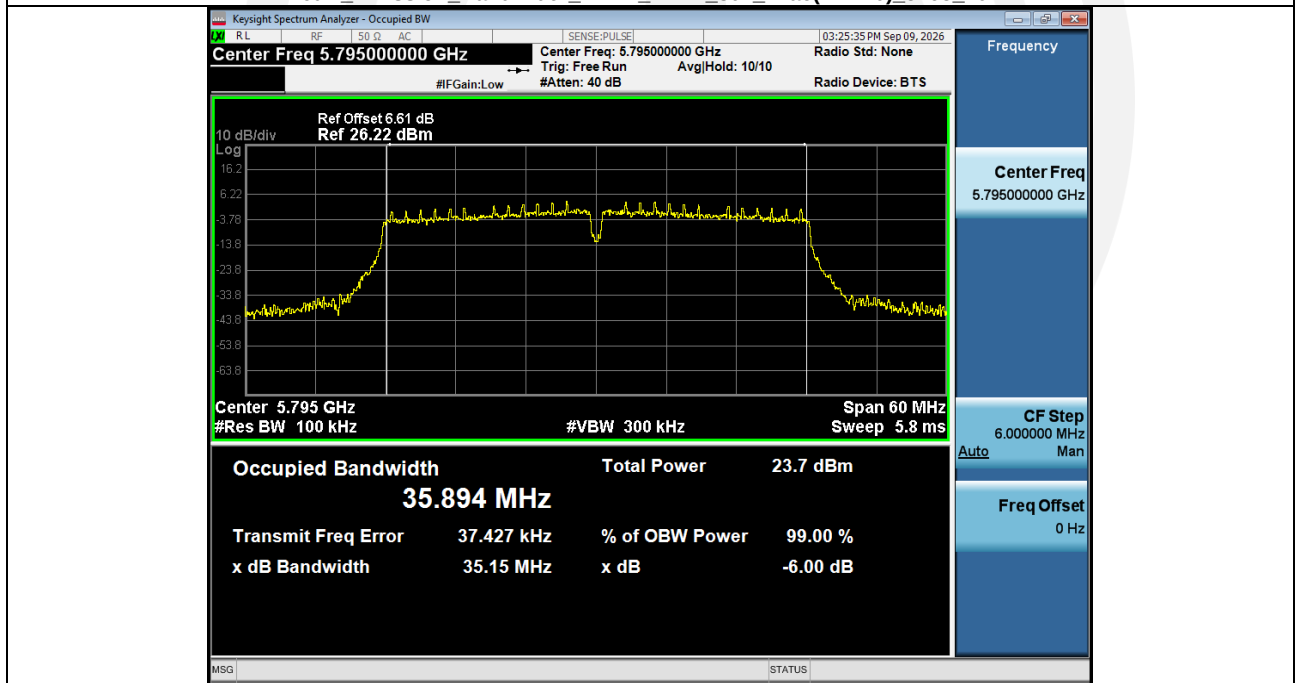
-6dB Emission Bandwidth NVNT_ANT1_802_11n(HT40)_5755_40M



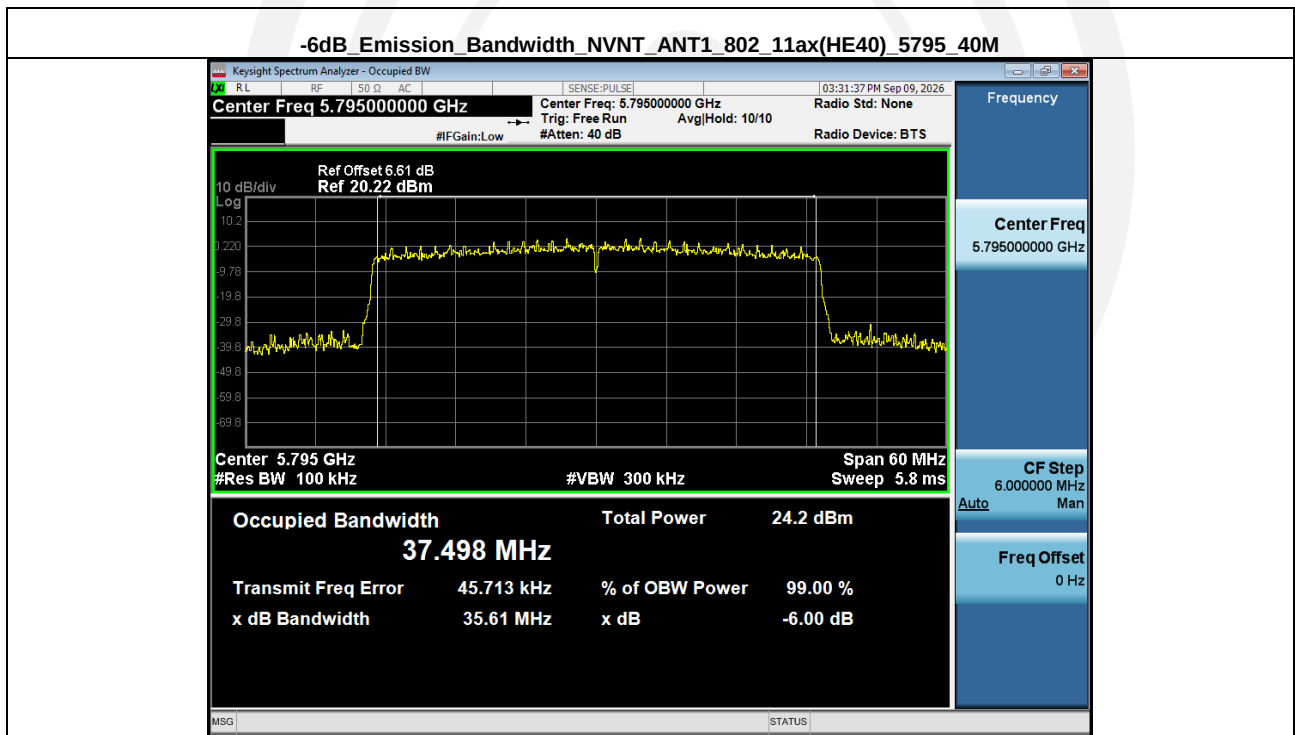
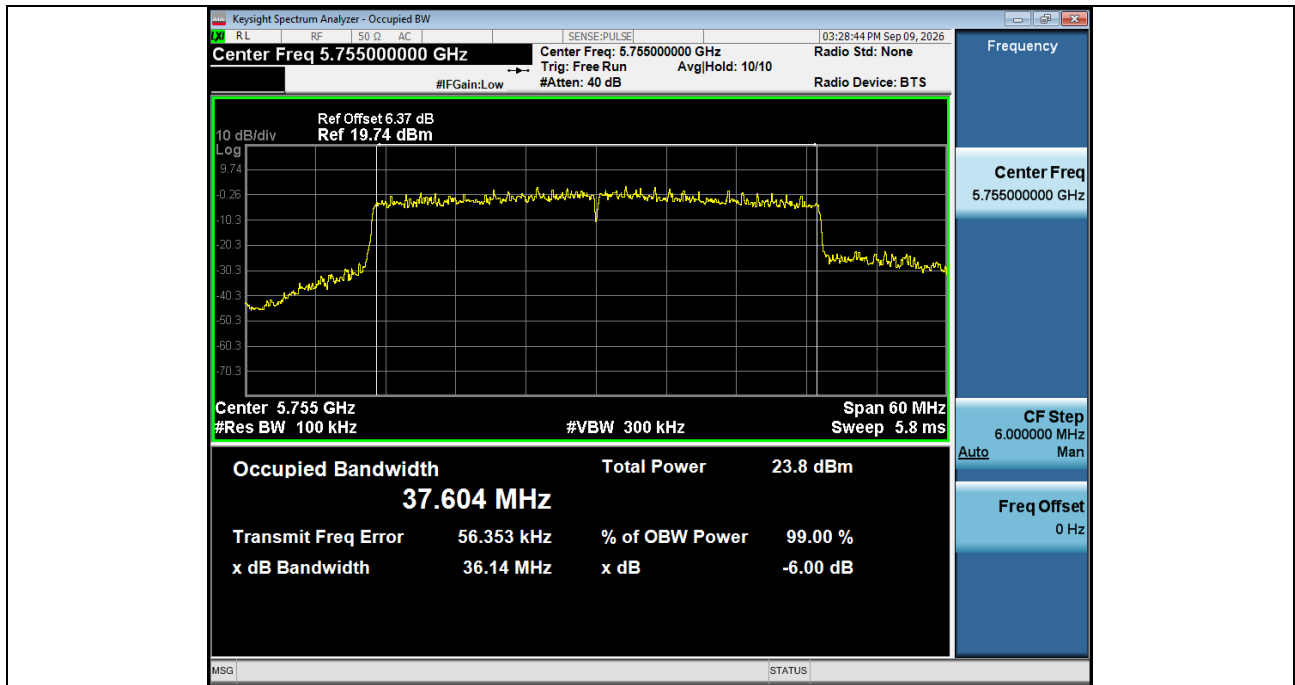
-6dB Emission Bandwidth NVNT_ANT1_802_11ac(VHT40)_5755_40M



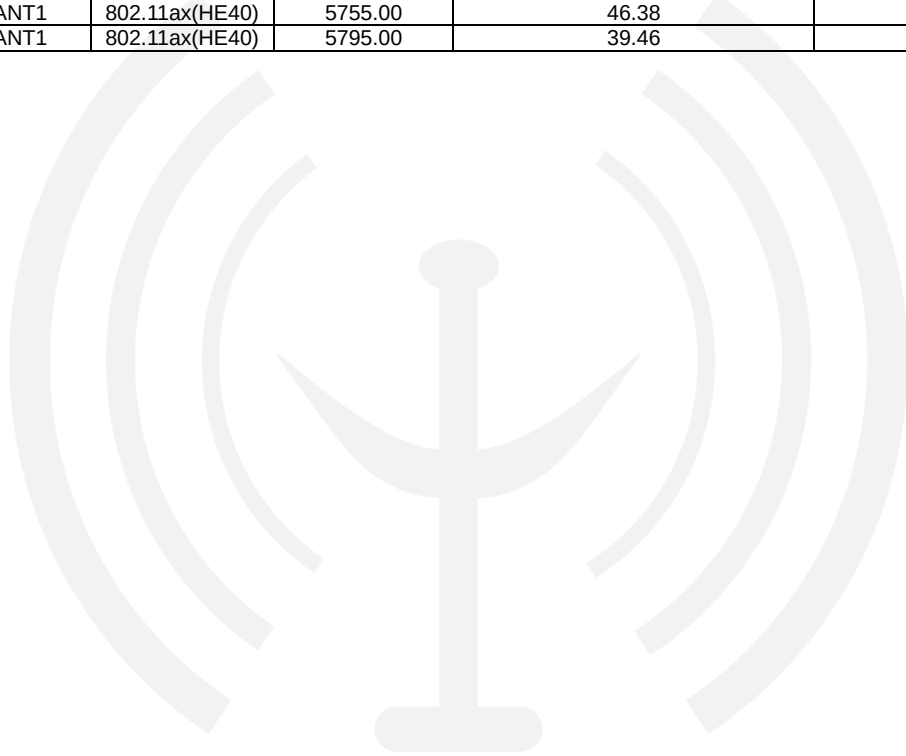
-6dB Emission Bandwidth_NVNT_ANT1_802_11ac(VHT40)_5795_40M



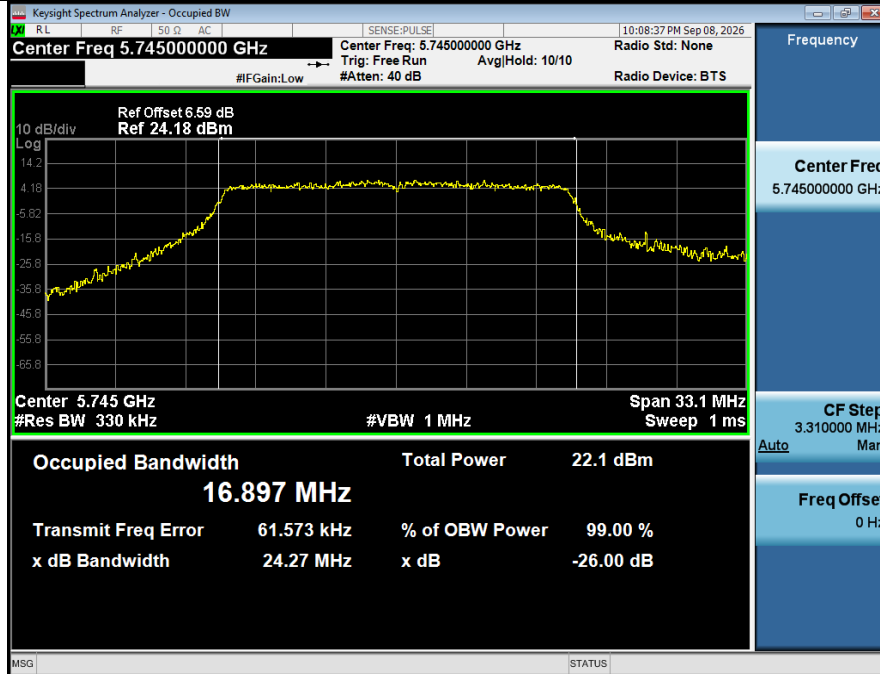
-6dB Emission Bandwidth_NVNT_ANT1_802_11ax(HE40)_5755_40M



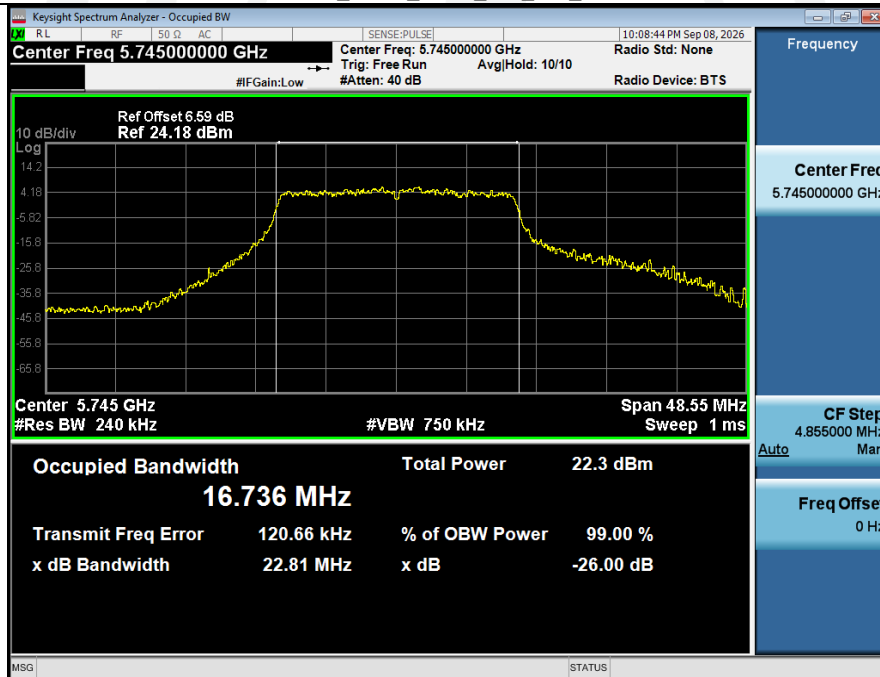
Condition	Antenna	Modulation	Frequency(MHz)	-26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5745.00	22.81	16.90
NVNT	ANT1	802.11a	5785.00	20.59	16.73
NVNT	ANT1	802.11a	5825.00	23.13	16.90
NVNT	ANT1	802.11n(HT20)	5745.00	26.09	18.12
NVNT	ANT1	802.11n(HT20)	5785.00	21.61	17.97
NVNT	ANT1	802.11n(HT20)	5825.00	26.36	18.12
NVNT	ANT1	802.11ac(VHT20)	5745.00	23.36	18.11
NVNT	ANT1	802.11ac(VHT20)	5785.00	21.33	18.00
NVNT	ANT1	802.11ac(VHT20)	5825.00	25.51	18.12
NVNT	ANT1	802.11ax(HE20)	5745.00	25.72	19.12
NVNT	ANT1	802.11ax(HE20)	5785.00	21.42	18.01
NVNT	ANT1	802.11ax(HE20)	5825.00	25.12	19.14
NVNT	ANT1	802.11n(HT40)	5755.00	45.87	36.55
NVNT	ANT1	802.11n(HT40)	5795.00	40.63	36.34
NVNT	ANT1	802.11ac(VHT40)	5755.00	50.04	36.53
NVNT	ANT1	802.11ac(VHT40)	5795.00	40.27	36.20
NVNT	ANT1	802.11ax(HE40)	5755.00	46.38	37.73
NVNT	ANT1	802.11ax(HE40)	5795.00	39.46	37.62



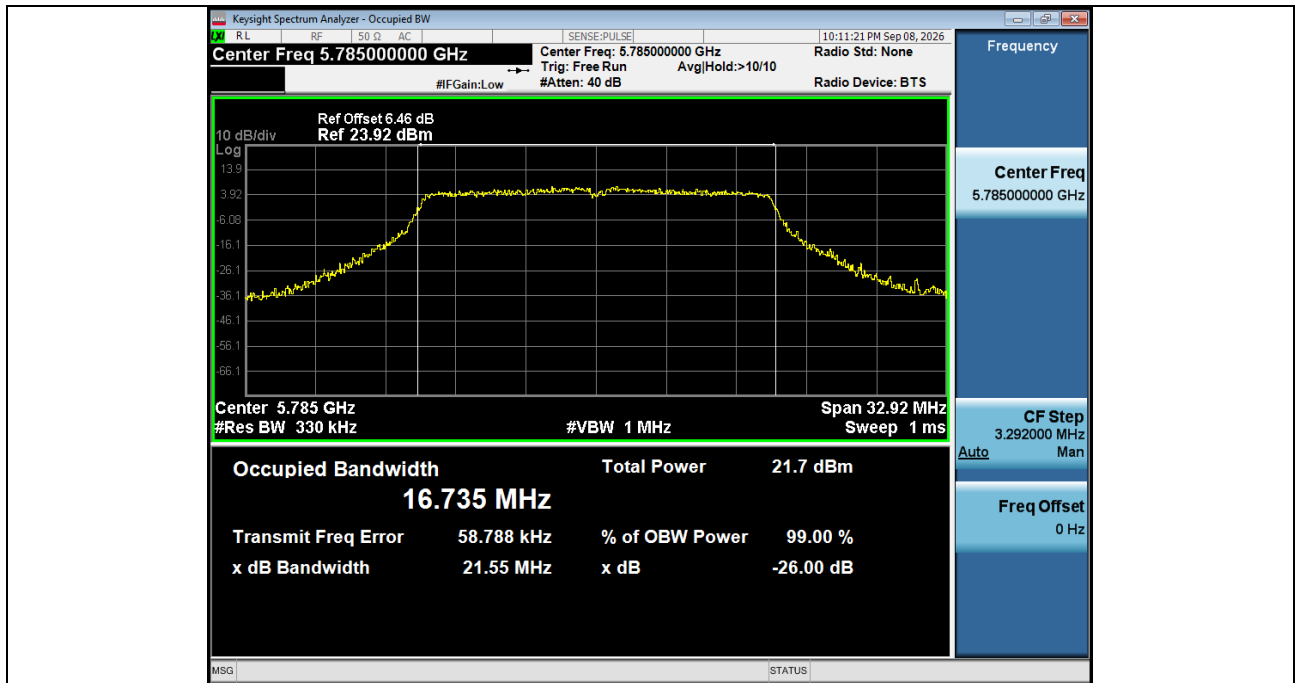
99%_OCB_NVNT_ANT1_802_11a_5745



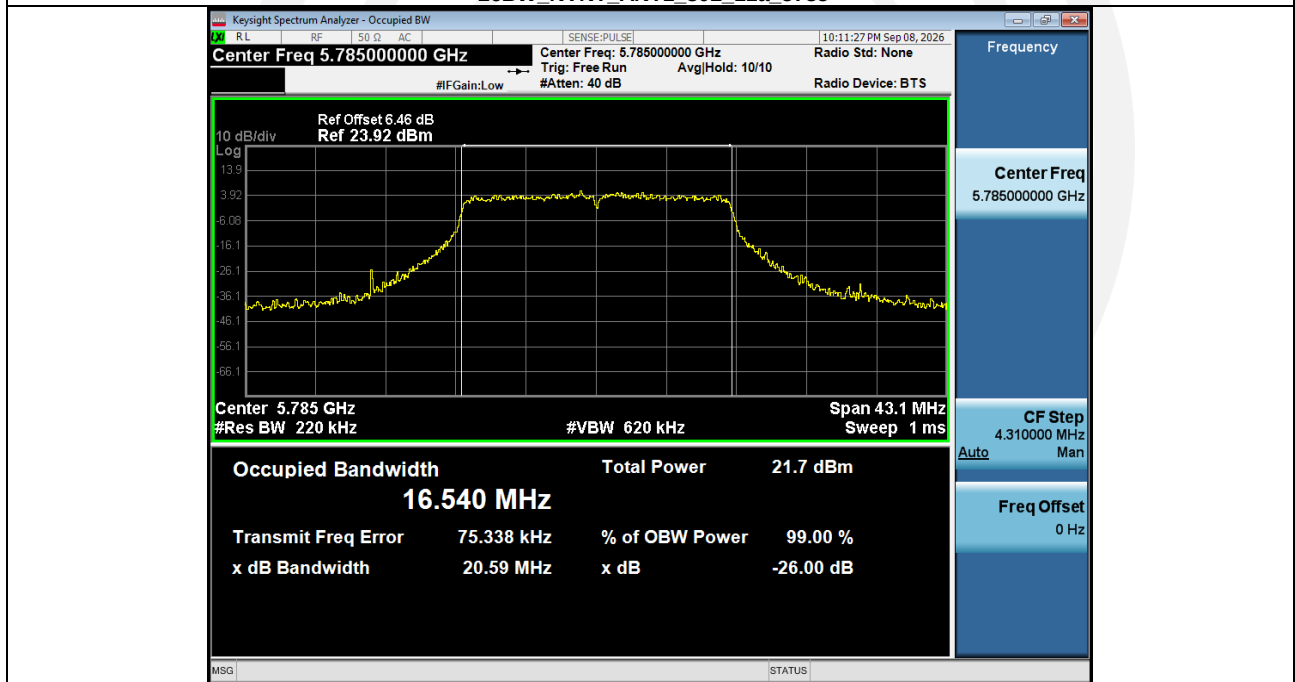
-26BW_NVNT_ANT1_802_11a_5745



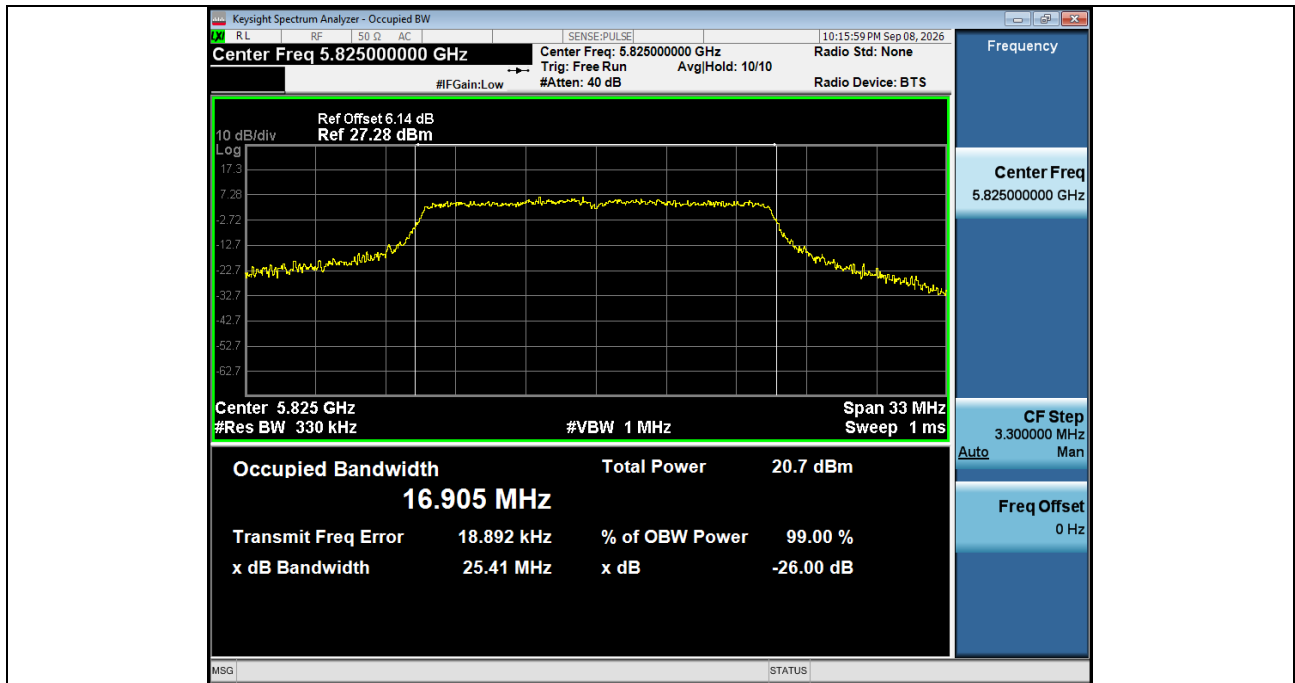
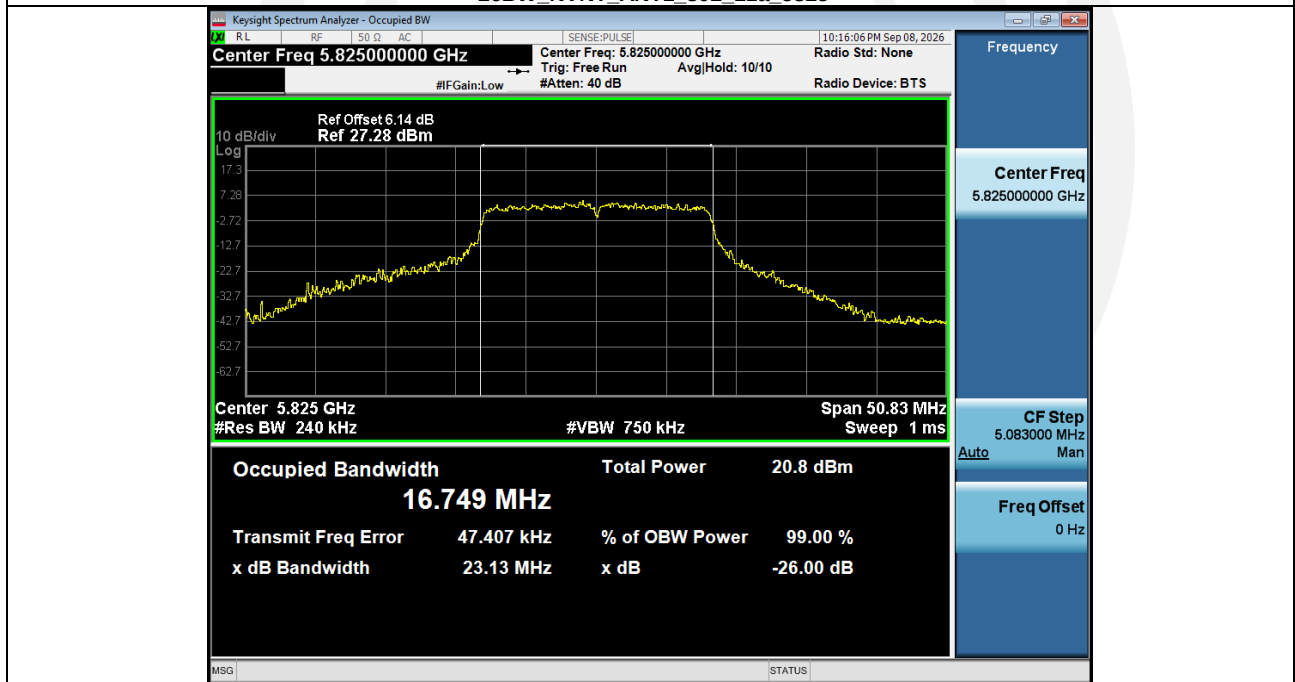
99%_OCB_NVNT_ANT1_802_11a_5785



-26BW_NVNT_ANT1_802_11a_5785



99%_OCB_NVNT_ANT1_802_11a_5825

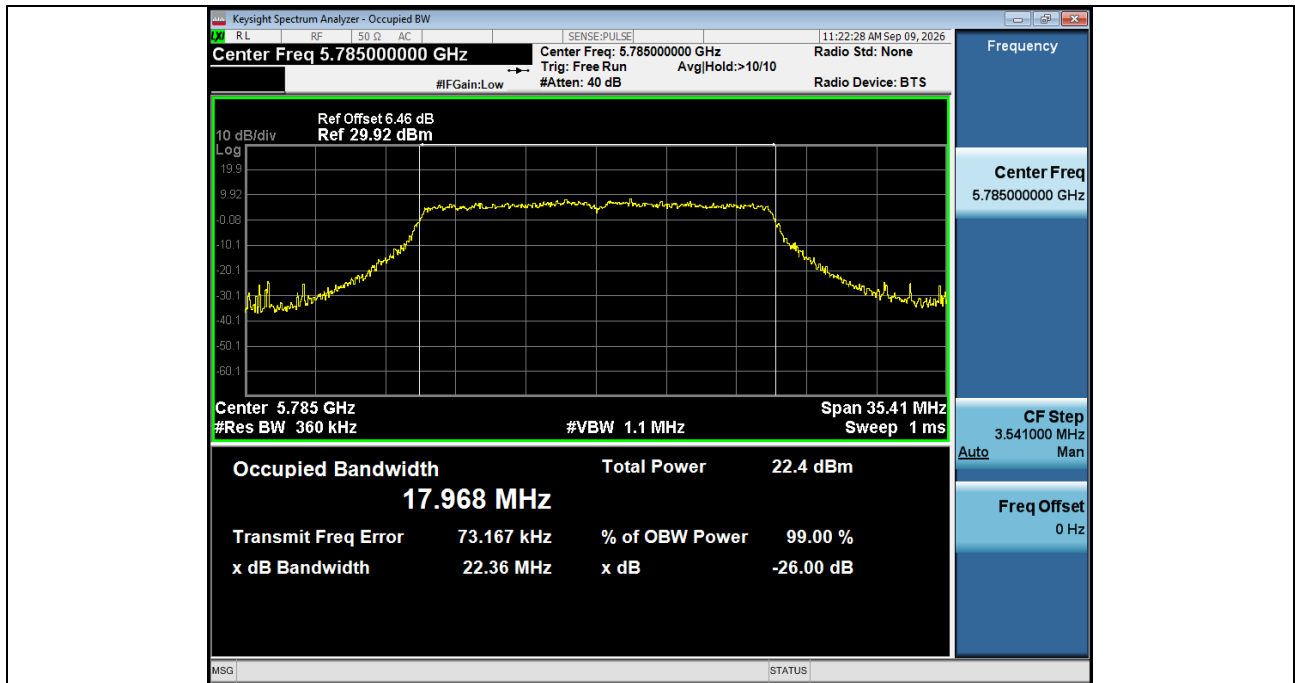
**-26BW_NVNT_ANT1_802_11a_5825****99%_OCB_NVNT_ANT1_802_11n(HT20)_5745**



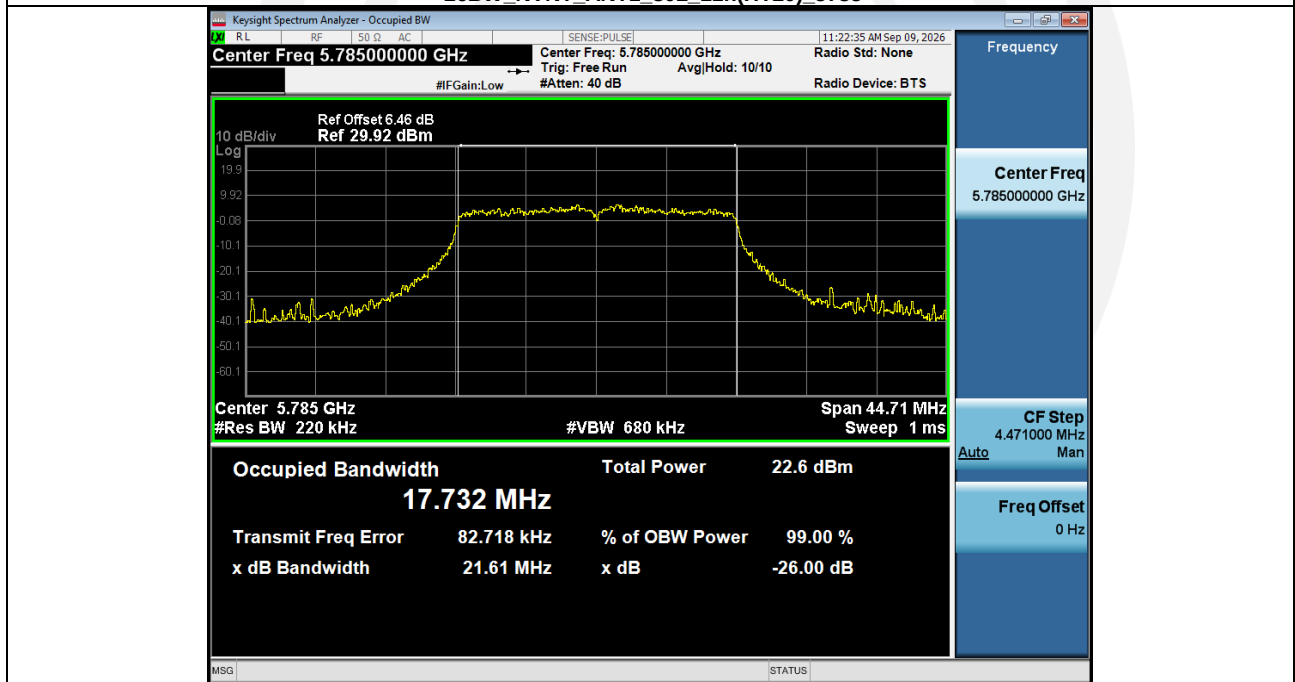
-26BW_NVNT_ANT1_802_11n(HT20)_5745



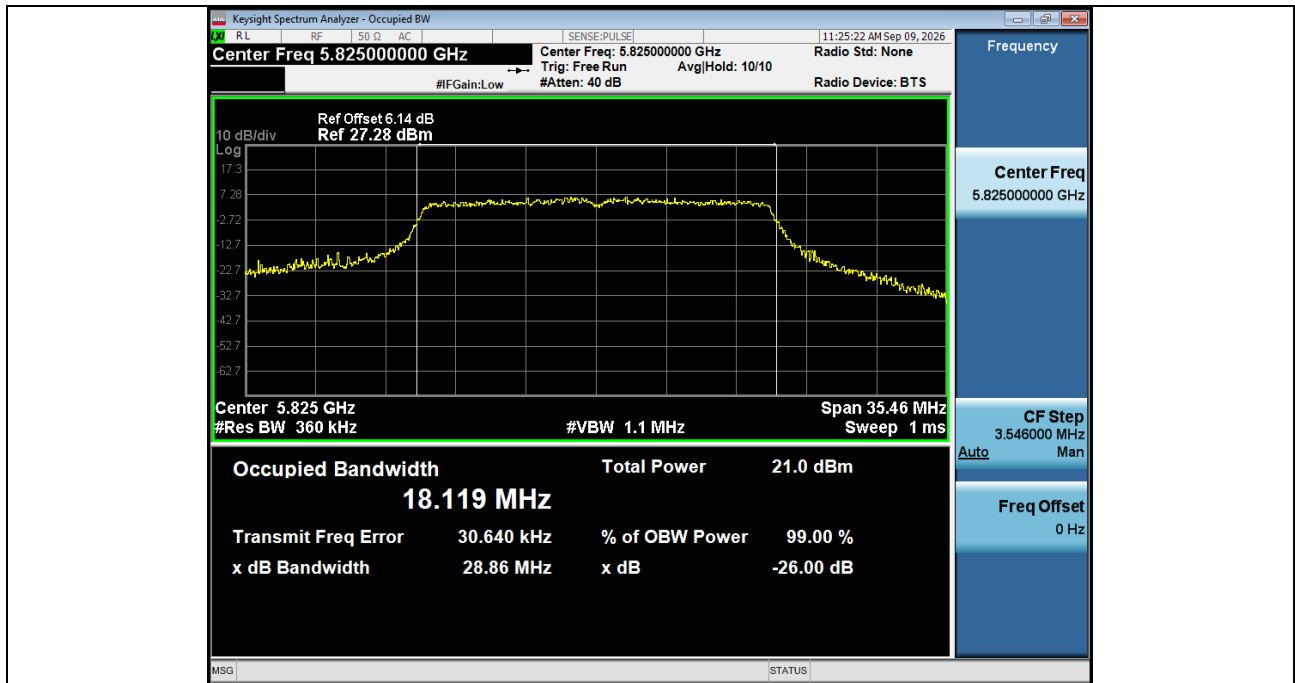
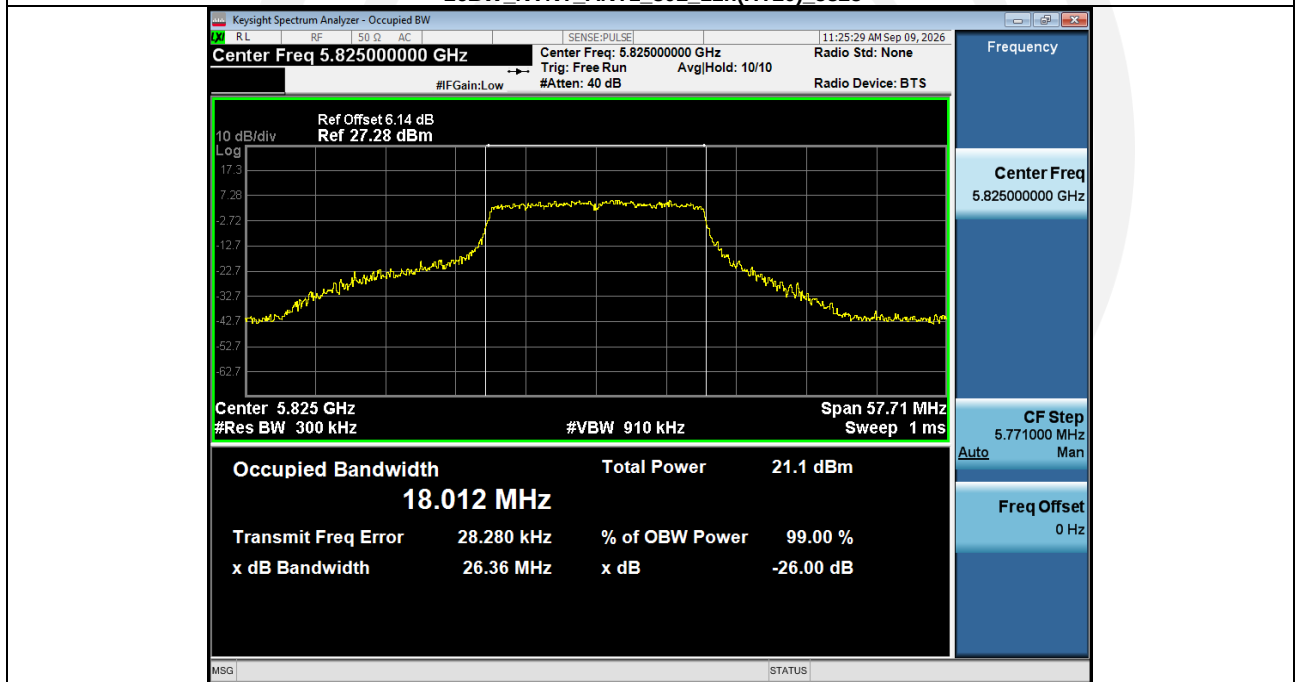
99%_OCB_NVNT_ANT1_802_11n(HT20)_5785

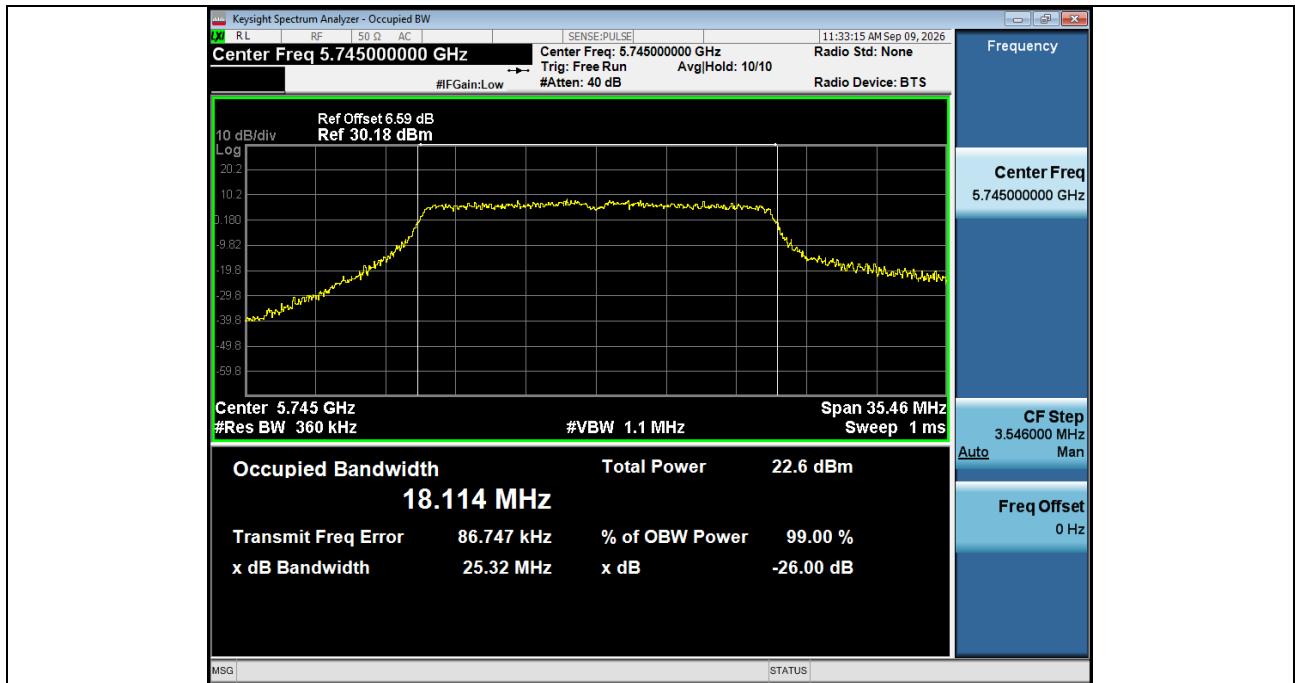


-26BW_NVNT_ANT1_802_11n(HT20)_5785

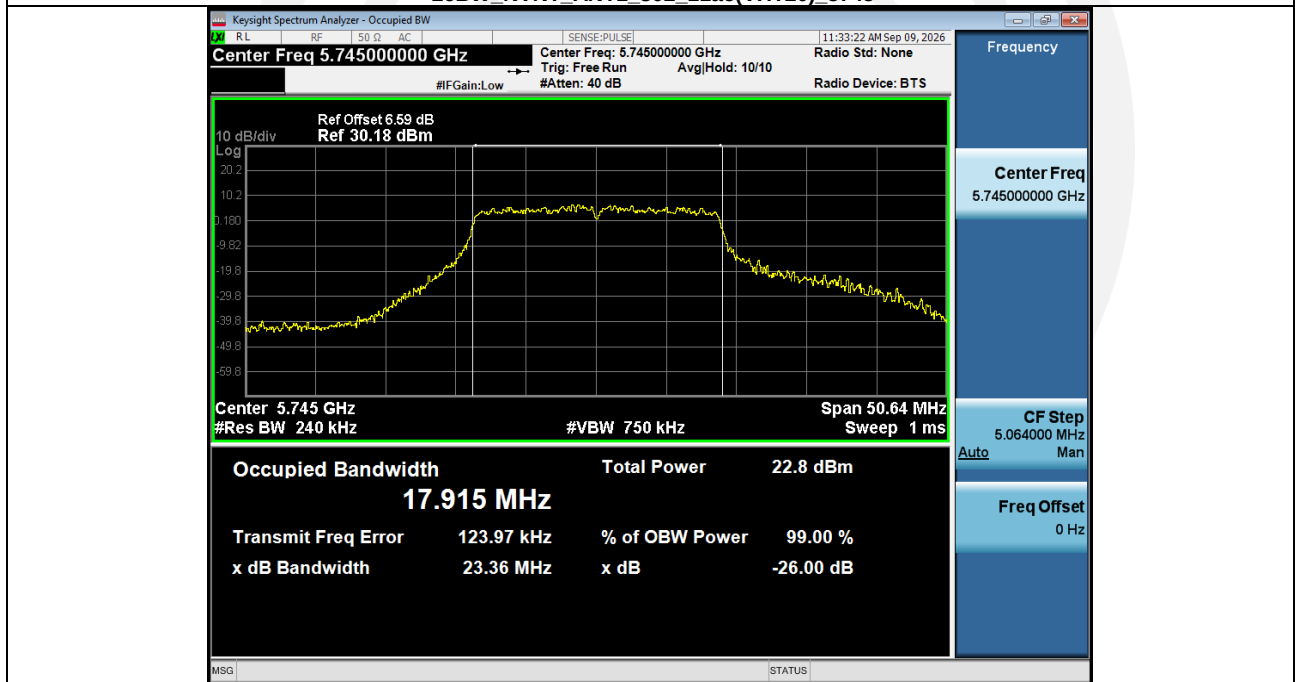


99%_OCB_NVNT_ANT1_802_11n(HT20)_5825

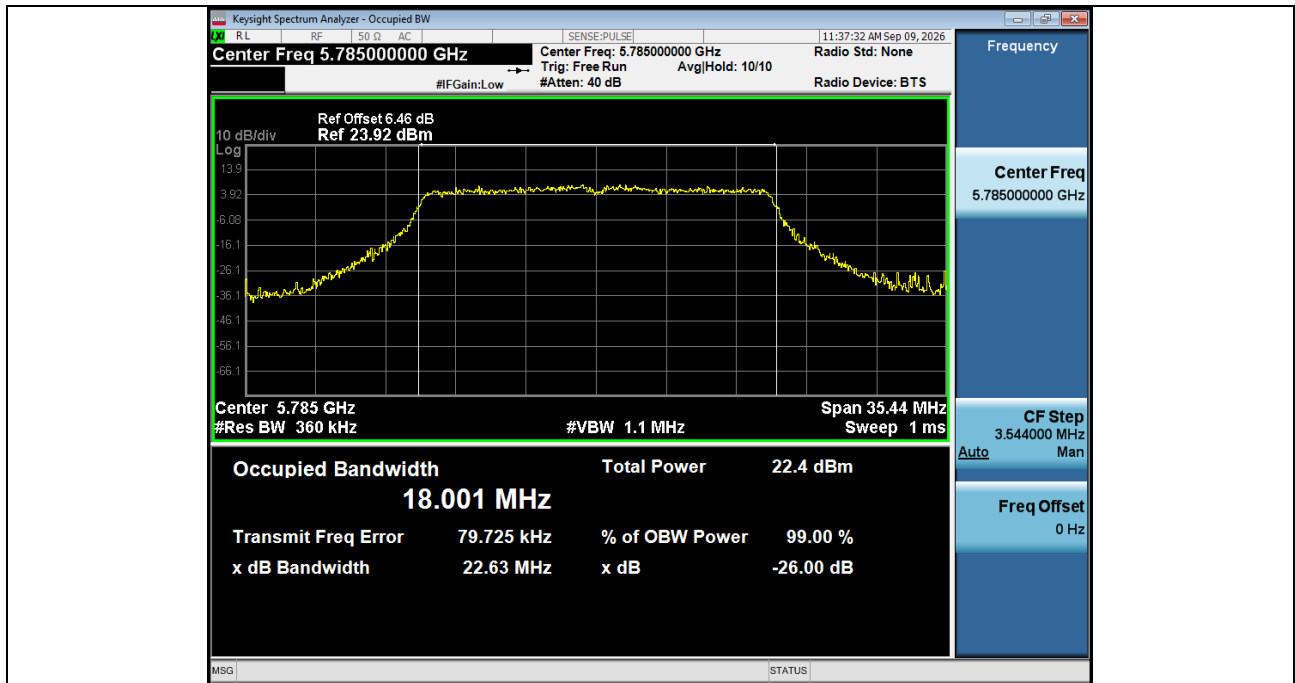
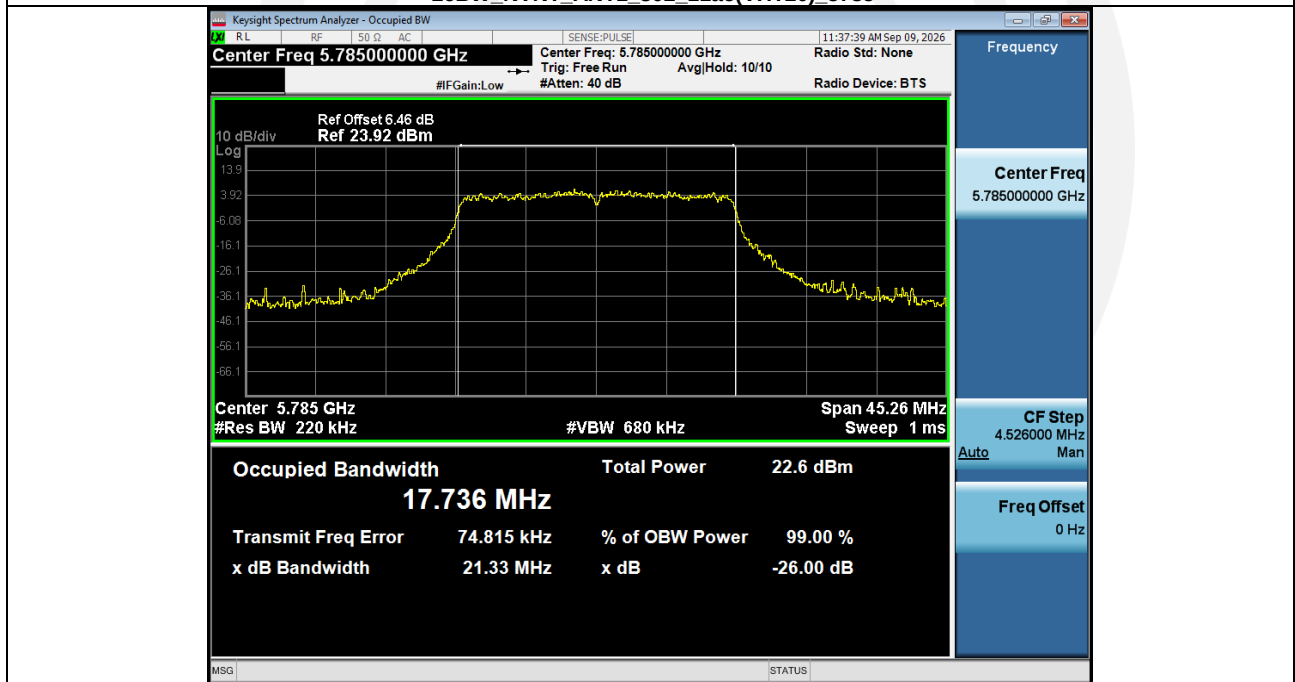
**-26BW_NVNT_ANT1_802_11n(HT20)_5825****99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5745**

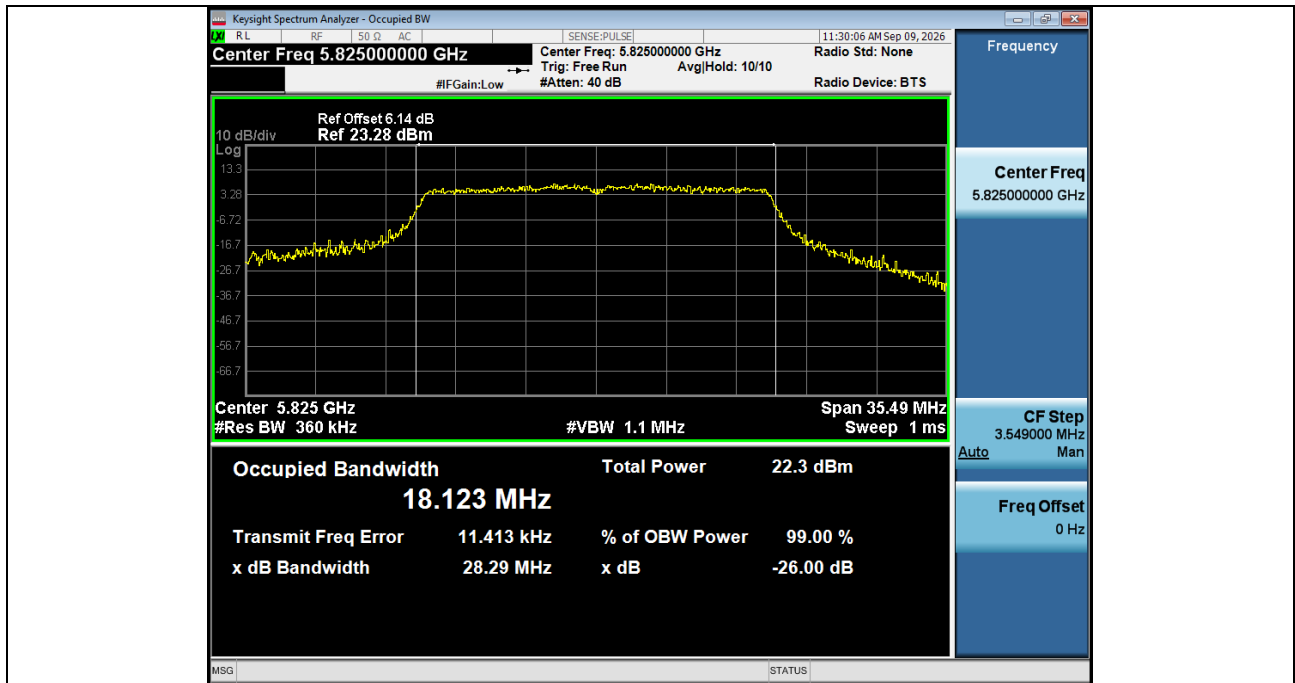


-26BW_NVNT_ANT1_802_11ac(VHT20)_5745

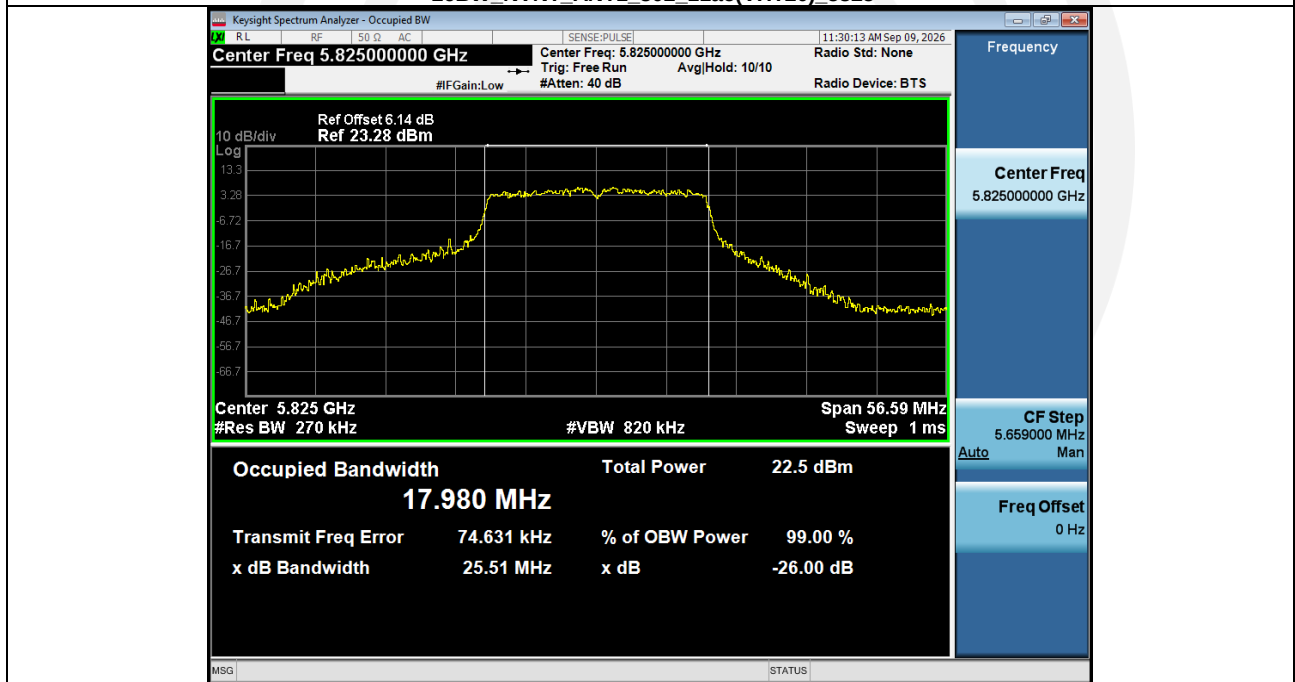


99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5785

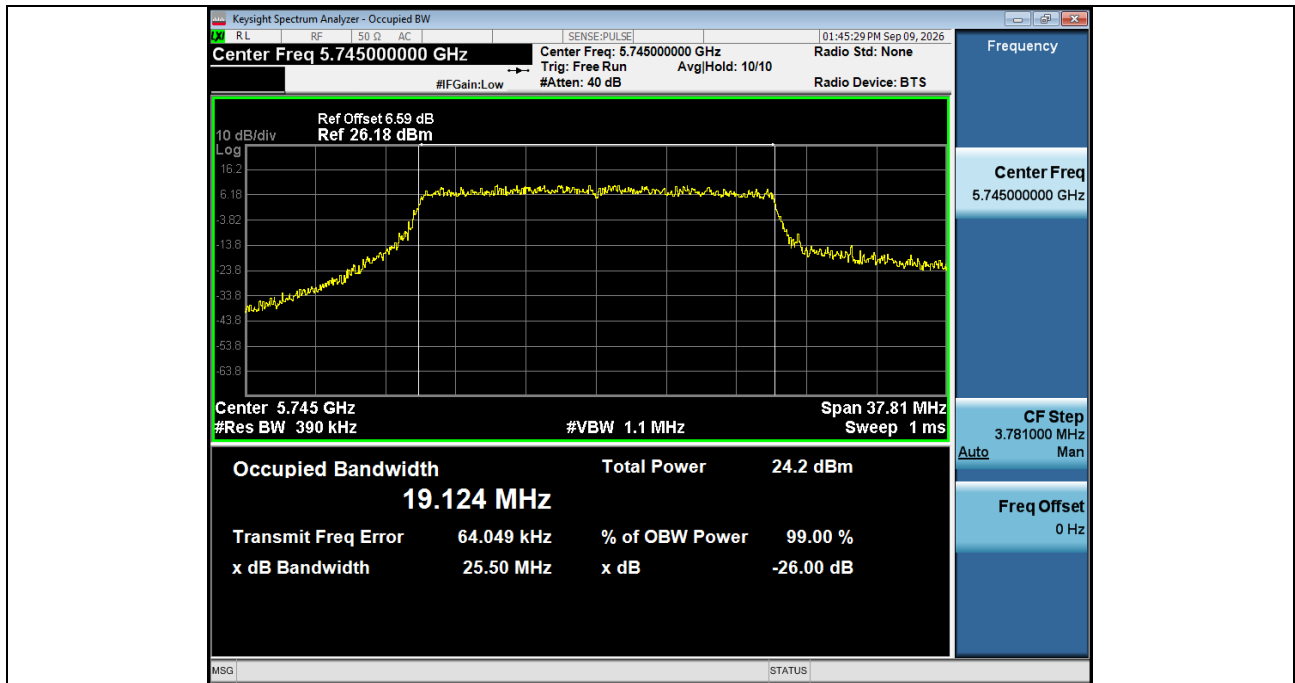
**-26BW_NVNT_ANT1_802_11ac(VHT20)_5785****99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5825**



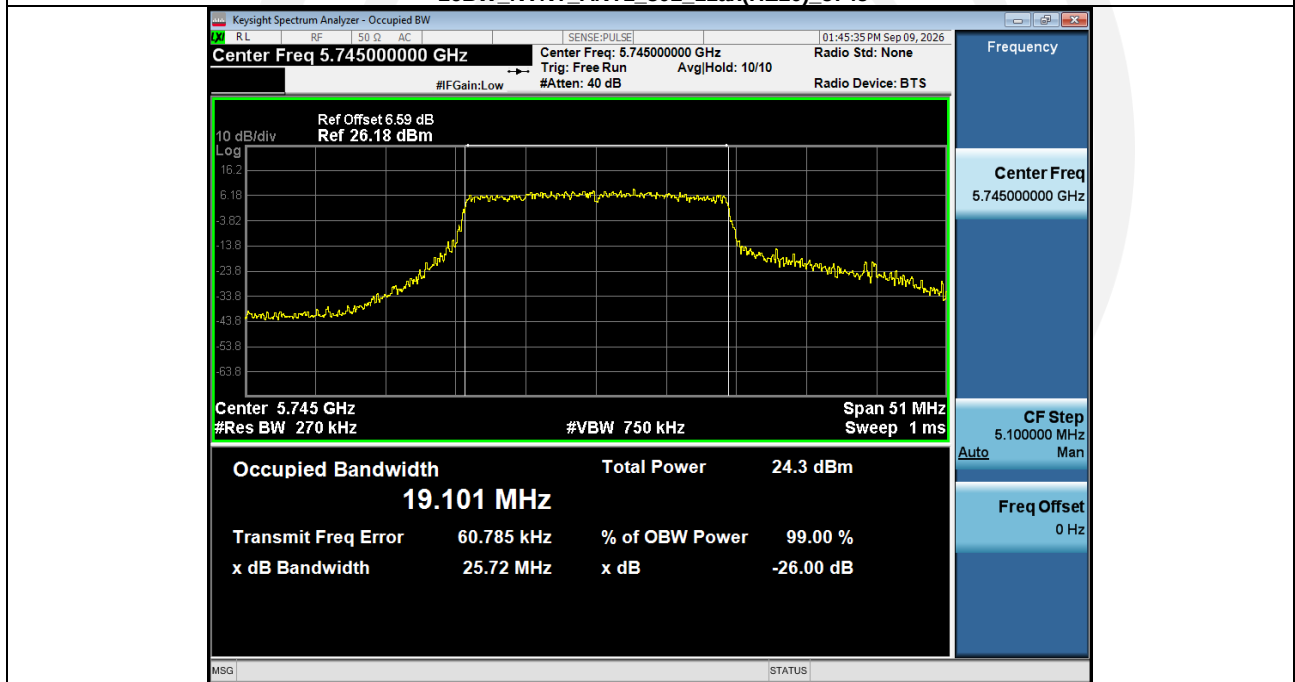
-26BW_NVNT_ANT1_802_11ac(VHT20)_5825



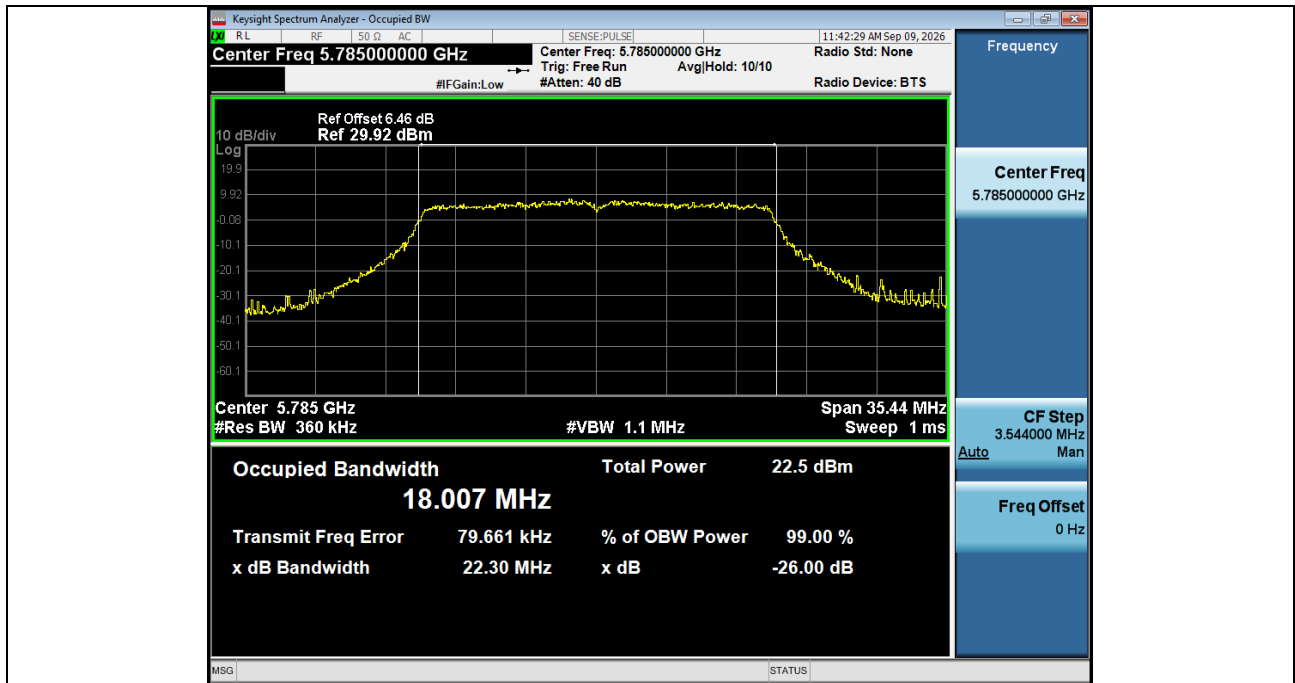
99%_OCB_NVNT_ANT1_802_11ax(HE20)_5745



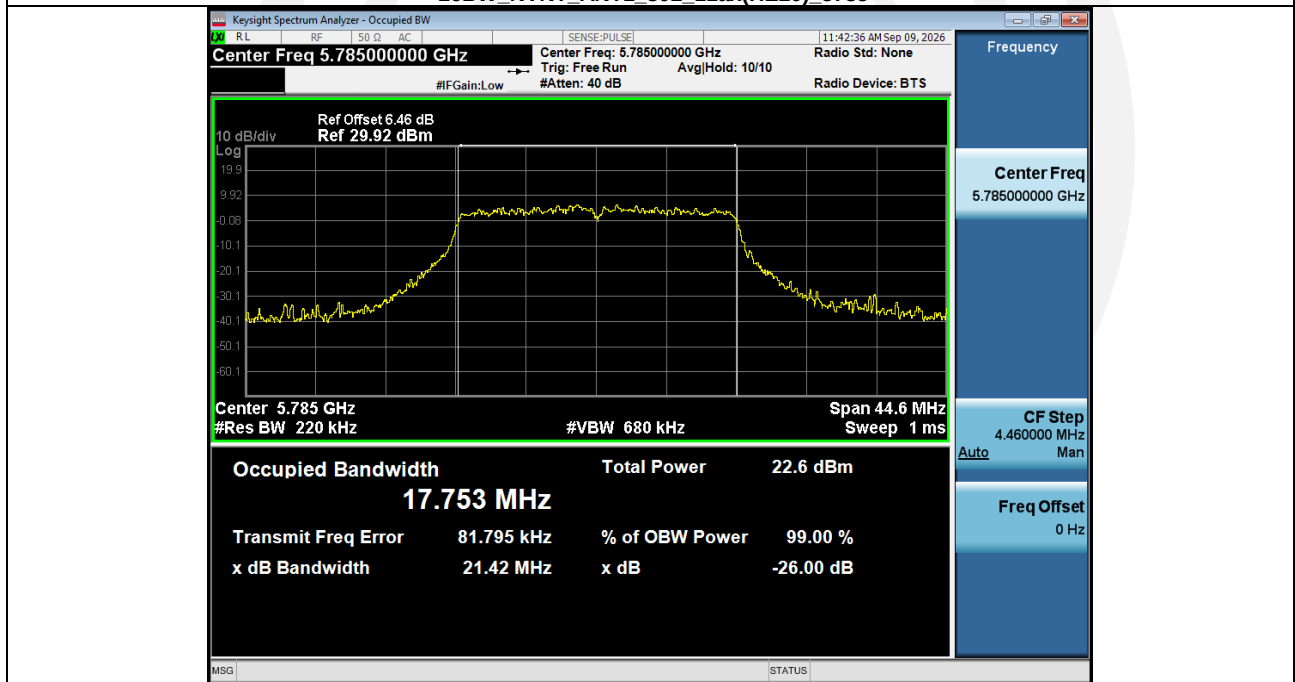
-26BW_NVNT_ANT1_802_11ax(HE20)_5745



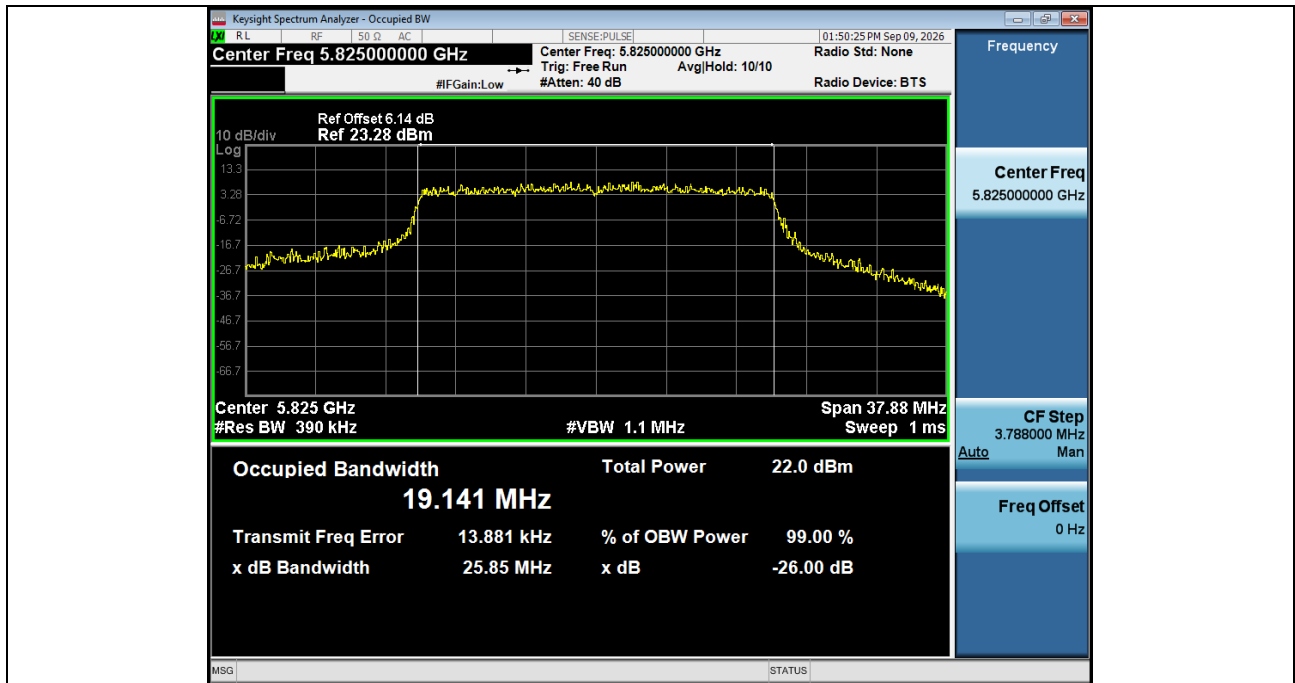
99%_OCB_NVNT_ANT1_802_11ax(HE20)_5785



-26BW NVNT_ANT1_802_11ax(HE20)_5785



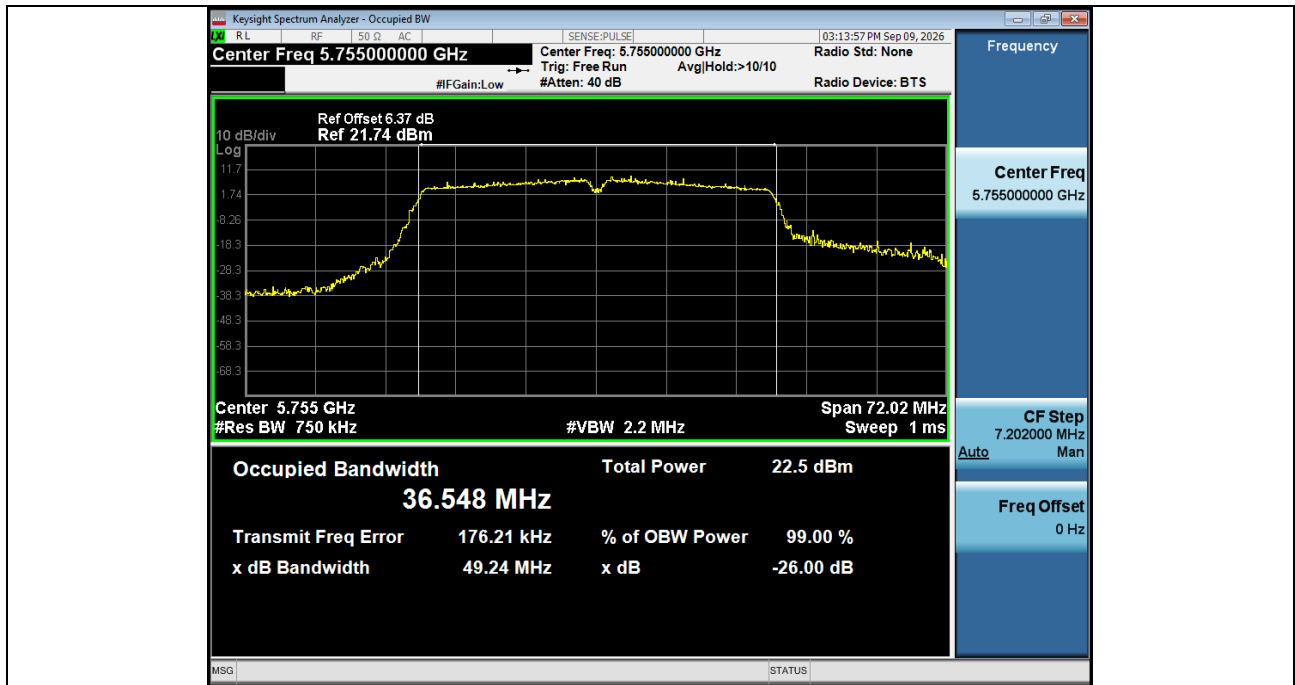
99%_OCB_NVNT_ANT1_802_11ax(HE20)_5825

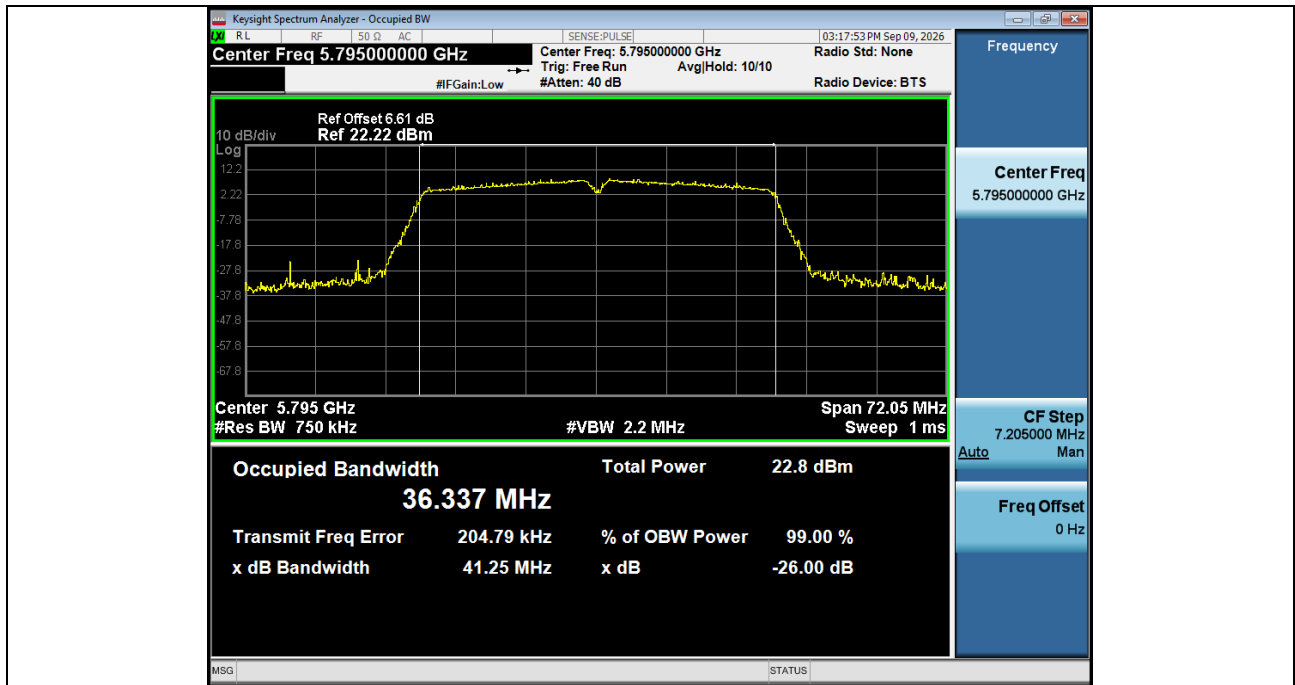
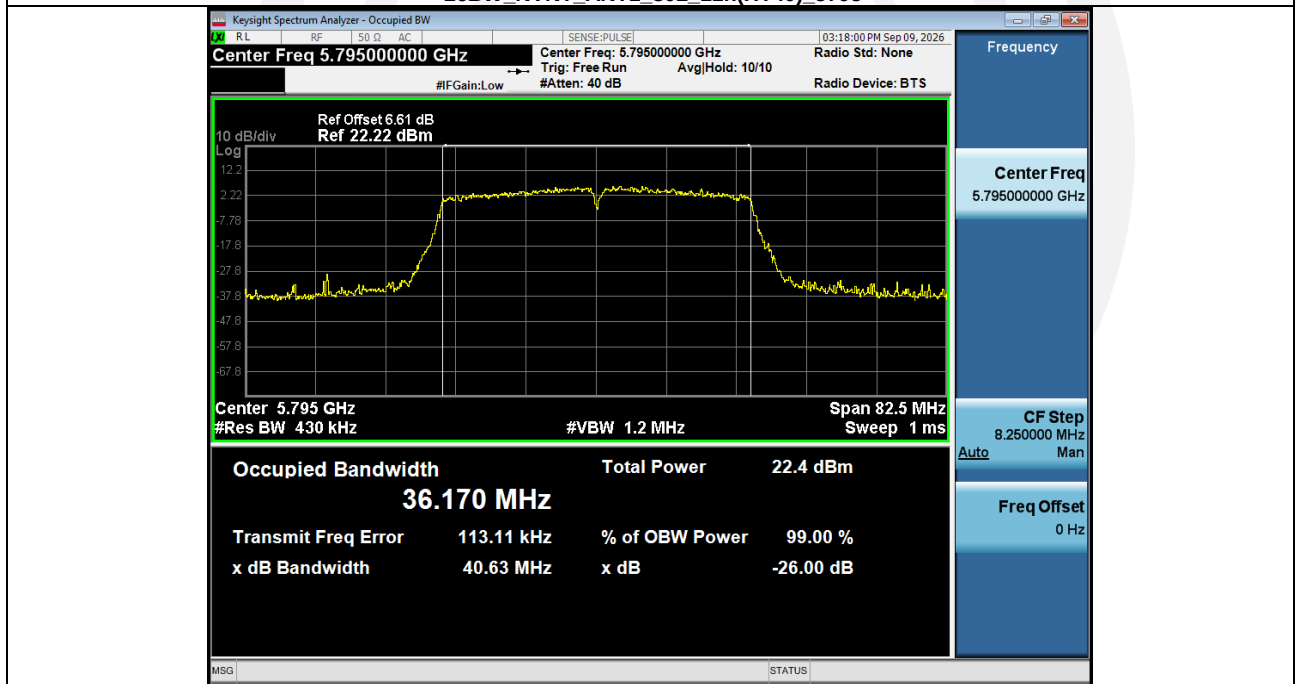


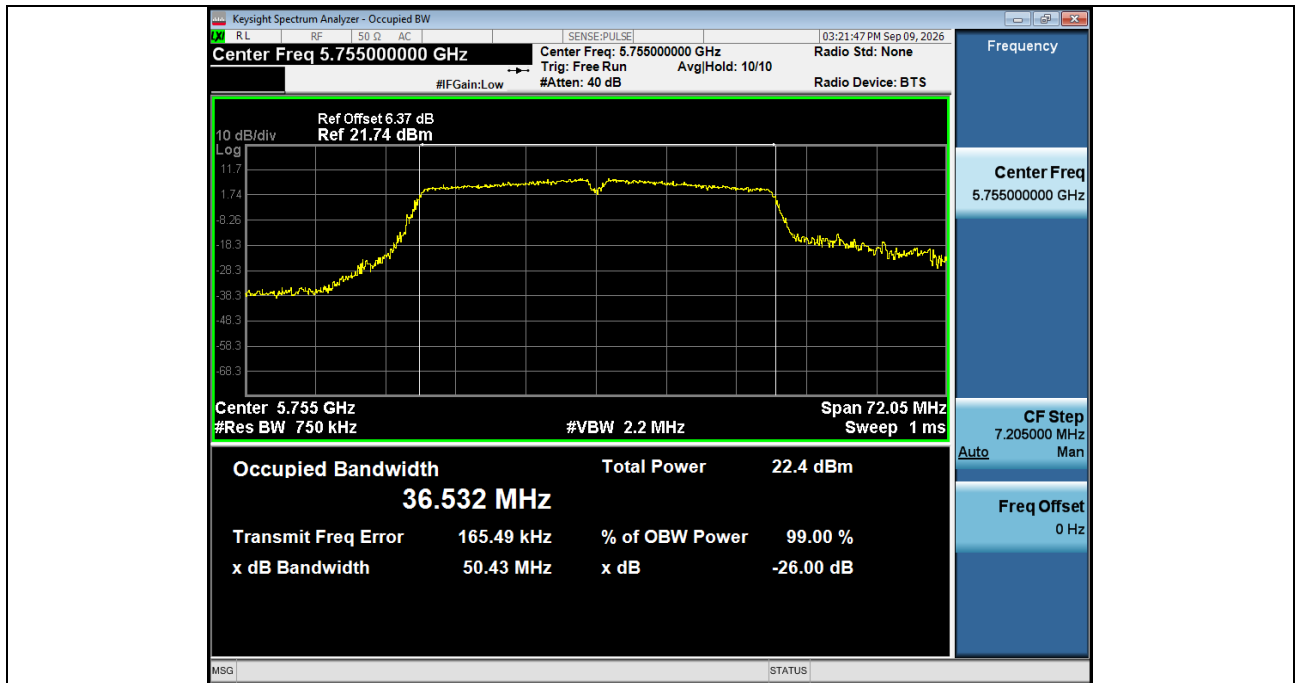
-26BW_NVNT_ANT1_802_11ax(HE20)_5825

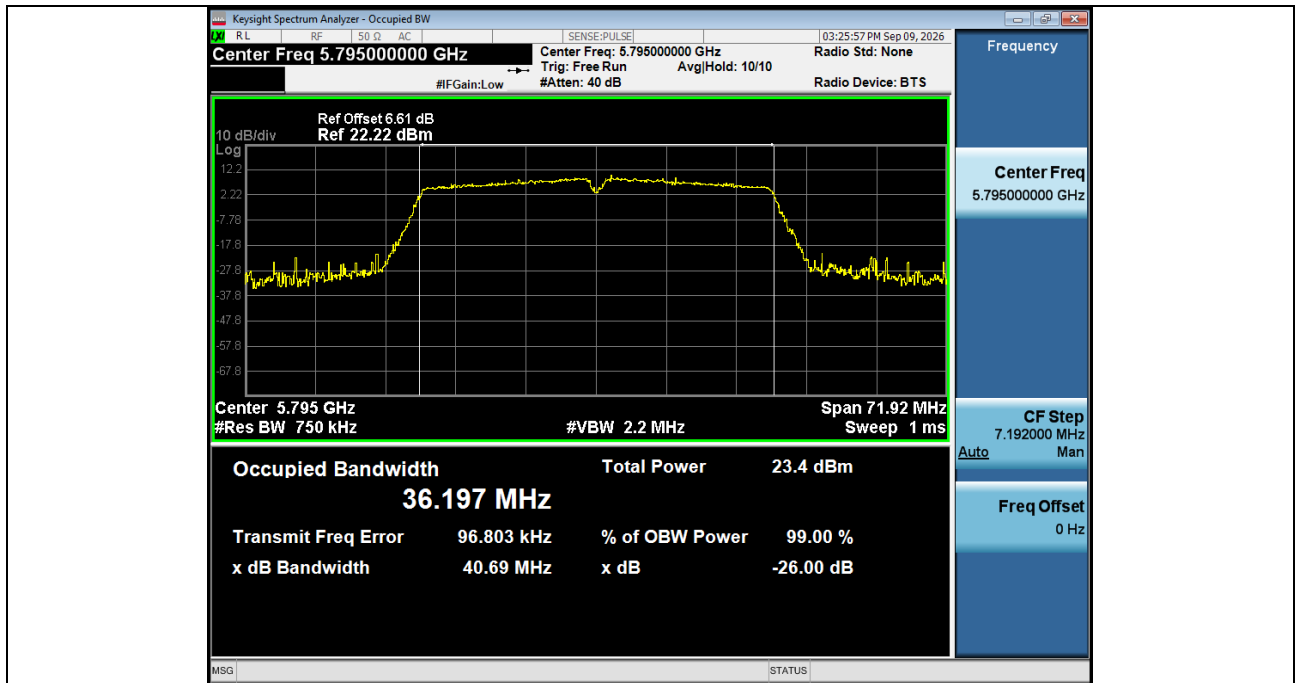
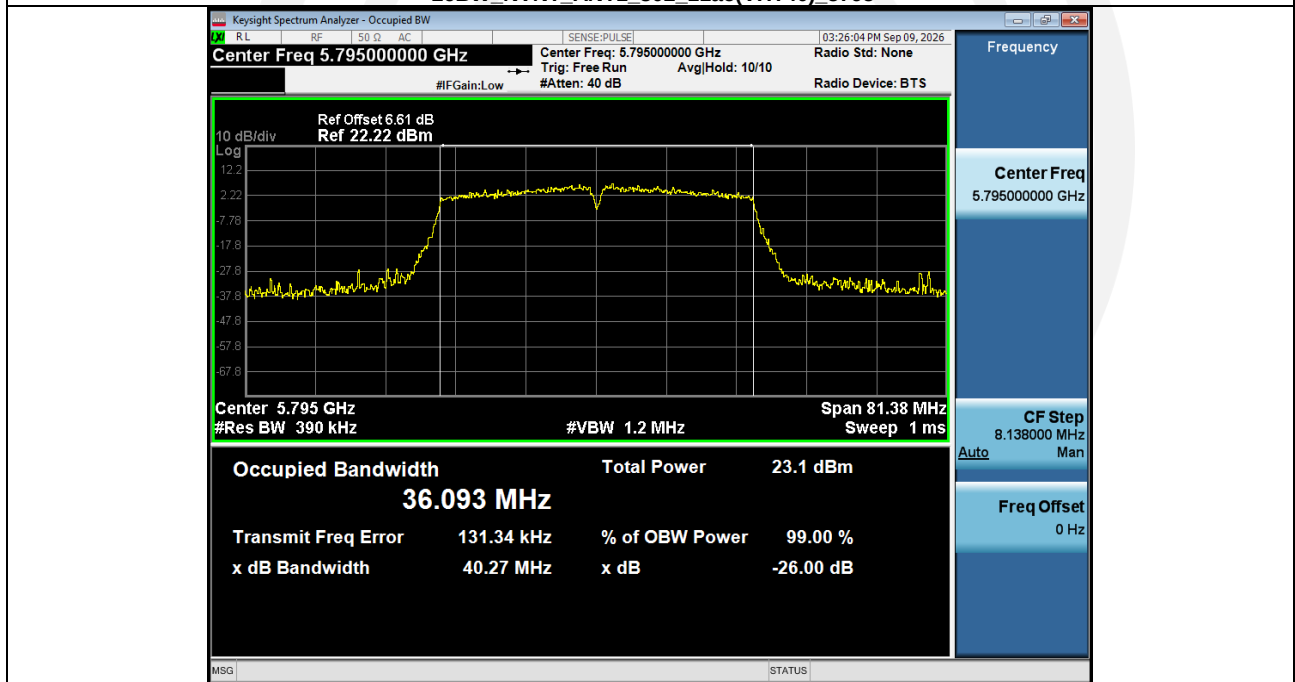


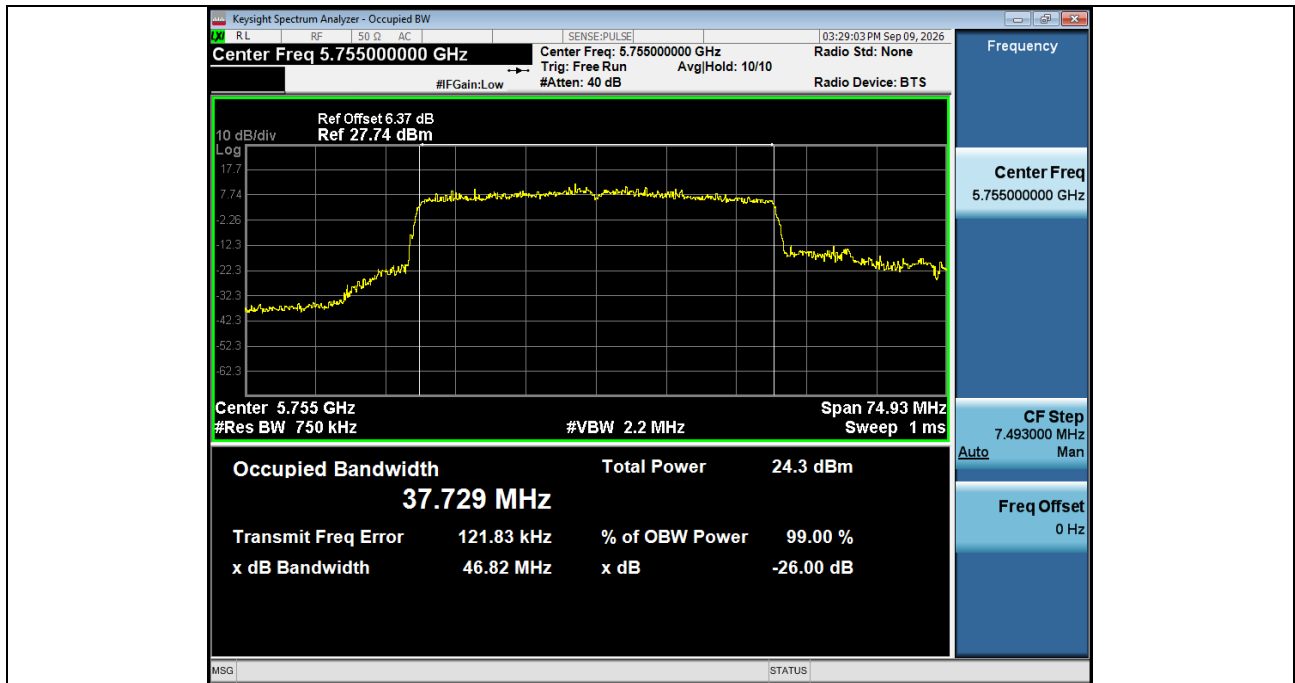
99%_OCB_NVNT_ANT1_802_11n(HT40)_5755

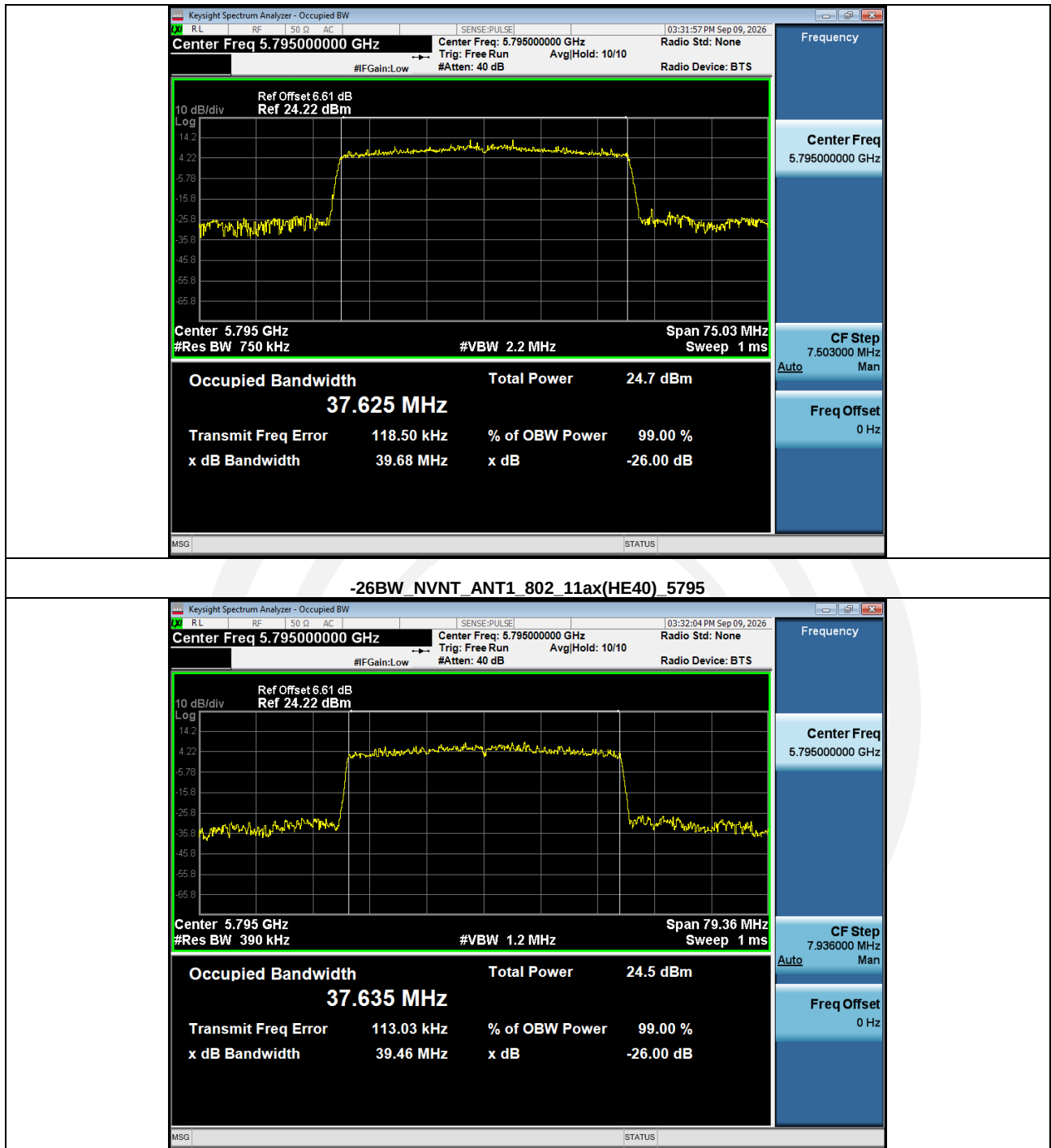
**-26BW_NVNT_ANT1_802_11n(HT40)_5755****99%_OCB_NVNT_ANT1_802_11n(HT40)_5795**

**-26BW_NVNT_ANT1_802_11n(HT40)_5795****99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5755**

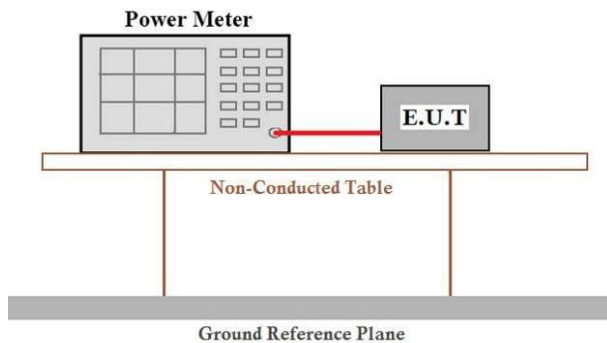
**-26BW_NVNT_ANT1_802_11ac(VHT40)_5755****99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5755**

**-26BW_NVNT_ANT1_802_11ac(VHT40)_5795****99%_OCB_NVNT_ANT1_802_11ax(HE40)_5755**

**-26BW_NVNT_ANT1_802_11ax(HE40)_5755****99%_OCB_NVNT_ANT1_802_11ax(HE40)_5795**



4.4 Maximum Conducted Output 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: For the 5.15–5.25 GHz band, For other devices, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz. For the 5.25–5.35 GHz band, Other than devices installed in vehicles, the maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever power is less. The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. For the 5.47–5.6 GHz and 5.65–5.725 GHz band, the maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever power is less. The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. For the band 5.725–5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. 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. A 'Power Meter' is connected via a red cable to an 'E.U.T.' (Equipment Under Test). Both are placed on a 'Non-Conducted Table'. Below the table is 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) SISO :**

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	14.23	0.18	14.41	24	Pass
NVNT	ANT1	802.11a	5200.00	14.11	0.18	14.29	24	Pass
NVNT	ANT1	802.11a	5240.00	14.43	0.12	14.55	24	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	14.53	0.19	14.72	24	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	14.24	0.20	14.44	24	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	14.95	0.20	15.15	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	14.14	0.51	14.65	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	13.27	0.35	13.62	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	13.50	0.51	14.01	24	Pass
NVNT	ANT1	802.11ax(HE20)	5180.00	13.50	0.38	13.88	24	Pass
NVNT	ANT1	802.11ax(HE20)	5200.00	13.45	0.58	14.03	24	Pass
NVNT	ANT1	802.11ax(HE20)	5240.00	13.67	0.38	14.05	24	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	13.73	0.39	14.12	24	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	13.99	0.39	14.38	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	12.84	0.62	13.46	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	13.40	0.90	14.30	24	Pass
NVNT	ANT1	802.11ax(HE40)	5190.00	13.27	0.58	13.85	24	Pass
NVNT	ANT1	802.11ax(HE40)	5230.00	14.00	0.58	14.58	24	Pass

Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
ANT1	802.11a	5180.00	95.89	0.18
ANT1	802.11a	5200.00	95.89	0.18
ANT1	802.11a	5240.00	97.22	0.12
ANT1	802.11n(HT20)	5180.00	95.65	0.19
ANT1	802.11n(HT20)	5200.00	95.59	0.20
ANT1	802.11n(HT20)	5240.00	95.59	0.20
ANT1	802.11ac(VHT20)	5180.00	88.89	0.51
ANT1	802.11ac(VHT20)	5200.00	92.31	0.35
ANT1	802.11ac(VHT20)	5240.00	88.89	0.51
ANT1	802.11ax(HE20)	5180.00	91.67	0.38
ANT1	802.11ax(HE20)	5200.00	87.50	0.58
ANT1	802.11ax(HE20)	5240.00	91.67	0.38
ANT1	802.11n(HT40)	5190.00	91.43	0.39
ANT1	802.11n(HT40)	5230.00	91.43	0.39
ANT1	802.11ac(VHT40)	5190.00	86.67	0.62
ANT1	802.11ac(VHT40)	5230.00	81.25	0.90
ANT1	802.11ax(HE40)	5190.00	87.50	0.58
ANT1	802.11ax(HE40)	5230.00	87.50	0.58

Band 2 (5260-5320 MHz) SISO:

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5260.00	13.89	0.12	14.01	24	Pass
NVNT	ANT1	802.11a	5300.00	13.43	0.18	13.61	24	Pass
NVNT	ANT1	802.11a	5320.00	13.03	0.12	13.15	24	Pass
NVNT	ANT1	802.11n(HT20)	5260.00	12.32	0.20	12.52	24	Pass
NVNT	ANT1	802.11n(HT20)	5300.00	12.05	0.13	12.18	24	Pass
NVNT	ANT1	802.11n(HT20)	5320.00	12.81	0.20	13.01	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5260.00	13.28	0.51	13.79	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5300.00	13.19	0.51	13.70	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5320.00	12.65	0.51	13.16	24	Pass
NVNT	ANT1	802.11ax(HE20)	5260.00	13.70	0.58	14.28	24	Pass
NVNT	ANT1	802.11ax(HE20)	5300.00	13.46	0.58	14.04	24	Pass
NVNT	ANT1	802.11ax(HE20)	5320.00	12.64	0.38	13.02	24	Pass
NVNT	ANT1	802.11n(HT40)	5270.00	13.95	0.26	14.21	24	Pass
NVNT	ANT1	802.11n(HT40)	5310.00	13.43	0.26	13.69	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5270.00	13.41	0.90	14.31	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5310.00	12.84	0.90	13.74	24	Pass
NVNT	ANT1	802.11ax(HE40)	5270.00	14.10	0.38	14.48	24	Pass
NVNT	ANT1	802.11ax(HE40)	5310.00	13.25	0.58	13.83	24	Pass

Antenna	Modulation	Frequency(MHz)	Duty cycle(%)	Duty_factor
ANT1	802.11a	5260.00	97.22	0.12
ANT1	802.11a	5300.00	95.89	0.18
ANT1	802.11a	5320.00	97.22	0.12
ANT1	802.11n(HT20)	5260.00	95.59	0.20
ANT1	802.11n(HT20)	5300.00	97.06	0.13
ANT1	802.11n(HT20)	5320.00	95.59	0.20
ANT1	802.11ac(VHT20)	5260.00	88.89	0.51
ANT1	802.11ac(VHT20)	5300.00	88.89	0.51
ANT1	802.11ac(VHT20)	5320.00	88.89	0.51
ANT1	802.11ax(HE20)	5260.00	87.50	0.58
ANT1	802.11ax(HE20)	5300.00	87.50	0.58
ANT1	802.11ax(HE20)	5320.00	91.67	0.38
ANT1	802.11n(HT40)	5270.00	94.29	0.26
ANT1	802.11n(HT40)	5310.00	94.29	0.26
ANT1	802.11ac(VHT40)	5270.00	81.25	0.90
ANT1	802.11ac(VHT40)	5310.00	81.25	0.90
ANT1	802.11ax(HE40)	5270.00	91.67	0.38
ANT1	802.11ax(HE40)	5310.00	87.50	0.58

Band 3 (5500-5570 MHz) SISO:

Condition	Antenna	Modulation	Frequency(MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5500.00	15.35	0.18	15.53	24	Pass
NVNT	ANT1	802.11a	5600.00	15.15	0.18	15.33	24	Pass
NVNT	ANT1	802.11a	5700.00	14.49	0.12	14.61	24	Pass
NVNT	ANT1	802.11n(HT20)	5500.00	15.64	0.20	15.84	24	Pass
NVNT	ANT1	802.11n(HT20)	5600.00	15.67	0.20	15.87	24	Pass
NVNT	ANT1	802.11n(HT20)	5700.00	15.00	0.20	15.20	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5500.00	15.70	0.35	16.05	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5600.00	15.21	0.35	15.56	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5700.00	14.71	0.35	15.06	24	Pass
NVNT	ANT1	802.11ax(HE20)	5500.00	15.47	0.58	16.05	24	Pass
NVNT	ANT1	802.11ax(HE20)	5600.00	15.45	0.58	16.03	24	Pass
NVNT	ANT1	802.11ax(HE20)	5700.00	15.79	0.56	16.35	24	Pass
NVNT	ANT1	802.11n(HT40)	5510.00	15.25	0.39	15.64	24	Pass
NVNT	ANT1	802.11n(HT40)	5590.00	15.58	0.39	15.97	24	Pass
NVNT	ANT1	802.11n(HT40)	5670.00	15.54	0.39	15.93	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5510.00	15.79	0.90	16.69	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5590.00	15.08	0.90	15.98	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5670.00	15.01	0.90	15.91	24	Pass
NVNT	ANT1	802.11ax(HE40)	5510.00	15.33	0.58	15.91	24	Pass
NVNT	ANT1	802.11ax(HE40)	5590.00	15.71	0.58	16.29	24	Pass
NVNT	ANT1	802.11ax(HE40)	5670.00	15.69	0.58	16.27	24	Pass

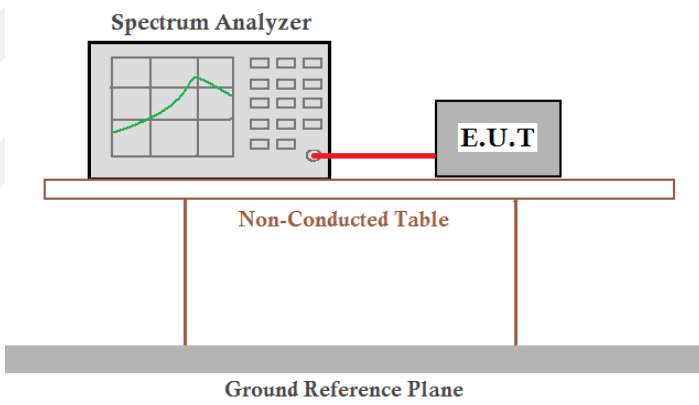
Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
ANT1	802.11a	5500.00	95.89	0.18
ANT1	802.11a	5600.00	95.89	0.18
ANT1	802.11a	5700.00	97.22	0.12
ANT1	802.11n(HT20)	5500.00	95.59	0.20
ANT1	802.11n(HT20)	5600.00	95.59	0.20
ANT1	802.11n(HT20)	5700.00	95.59	0.20
ANT1	802.11ac(VHT20)	5500.00	92.31	0.35
ANT1	802.11ac(VHT20)	5600.00	92.31	0.35
ANT1	802.11ac(VHT20)	5700.00	92.31	0.35
ANT1	802.11ax(HE20)	5500.00	87.50	0.58
ANT1	802.11ax(HE20)	5600.00	87.50	0.58
ANT1	802.11ax(HE20)	5700.00	88.00	0.56
ANT1	802.11n(HT40)	5510.00	91.43	0.39
ANT1	802.11n(HT40)	5590.00	91.43	0.39
ANT1	802.11n(HT40)	5670.00	91.43	0.39
ANT1	802.11ac(VHT40)	5510.00	81.25	0.90
ANT1	802.11ac(VHT40)	5590.00	81.25	0.90
ANT1	802.11ac(VHT40)	5670.00	81.25	0.90
ANT1	802.11ax(HE40)	5510.00	87.50	0.58
ANT1	802.11ax(HE40)	5590.00	87.50	0.58
ANT1	802.11ax(HE40)	5670.00	87.50	0.58

Band 4 (5725 – 5850 MHz) SISO:

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	15.49	0.18	15.67	30	Pass
NVNT	ANT1	802.11a	5785.00	15.17	0.18	15.35	30	Pass
NVNT	ANT1	802.11a	5825.00	15.54	0.12	15.66	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	15.51	0.19	15.70	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	15.80	0.19	15.99	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	15.66	0.19	15.85	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	15.81	0.51	16.32	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	15.55	0.51	16.06	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	15.39	0.51	15.90	30	Pass
NVNT	ANT1	802.11ax(HE20)	5745.00	15.18	0.58	15.76	30	Pass
NVNT	ANT1	802.11ax(HE20)	5785.00	15.62	0.51	16.13	30	Pass
NVNT	ANT1	802.11ax(HE20)	5825.00	15.52	0.58	16.10	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	15.19	0.39	15.58	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	15.63	0.26	15.89	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	15.43	0.90	16.33	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	15.75	0.90	16.65	30	Pass
NVNT	ANT1	802.11ax(HE40)	5755.00	15.82	0.38	16.20	30	Pass
NVNT	ANT1	802.11ax(HE40)	5795.00	15.36	0.58	15.94	30	Pass

Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
ANT1	802.11a	5745.00	95.83	0.18
ANT1	802.11a	5785.00	95.83	0.18
ANT1	802.11a	5825.00	97.22	0.12
ANT1	802.11n(HT20)	5745.00	95.65	0.19
ANT1	802.11n(HT20)	5785.00	95.65	0.19
ANT1	802.11n(HT20)	5825.00	95.65	0.19
ANT1	802.11ac(VHT20)	5745.00	88.89	0.51
ANT1	802.11ac(VHT20)	5785.00	88.89	0.51
ANT1	802.11ac(VHT20)	5825.00	88.89	0.51
ANT1	802.11ax(HE20)	5745.00	87.50	0.58
ANT1	802.11ax(HE20)	5785.00	88.89	0.51
ANT1	802.11ax(HE20)	5825.00	87.50	0.58
ANT1	802.11n(HT40)	5755.00	91.43	0.39
ANT1	802.11n(HT40)	5795.00	94.29	0.26
ANT1	802.11ac(VHT40)	5755.00	81.25	0.90
ANT1	802.11ac(VHT40)	5795.00	81.25	0.90
ANT1	802.11ax(HE40)	5755.00	91.67	0.38
ANT1	802.11ax(HE40)	5795.00	87.50	0.58

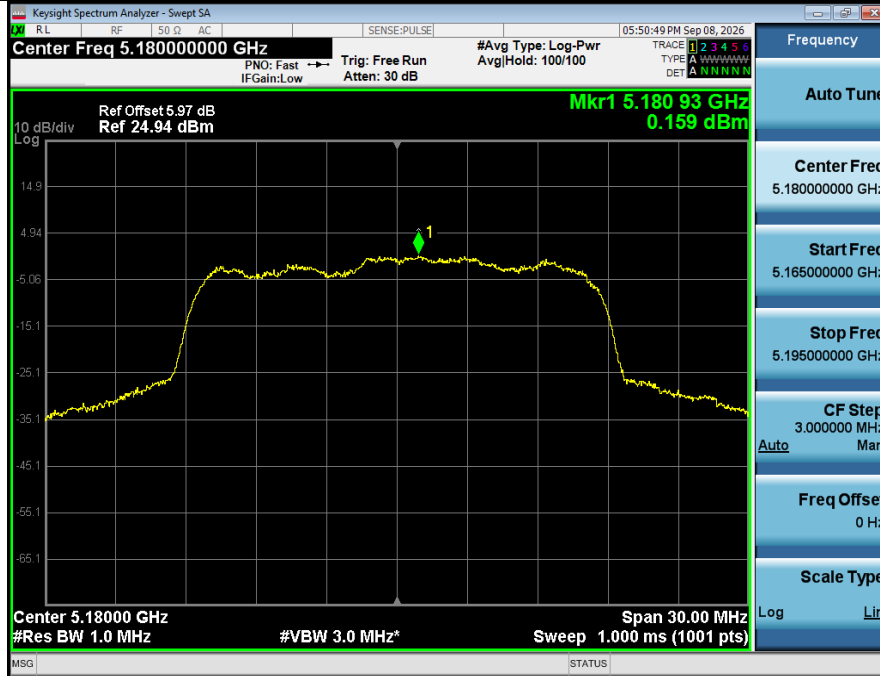
4.5 Power Spectral Density

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

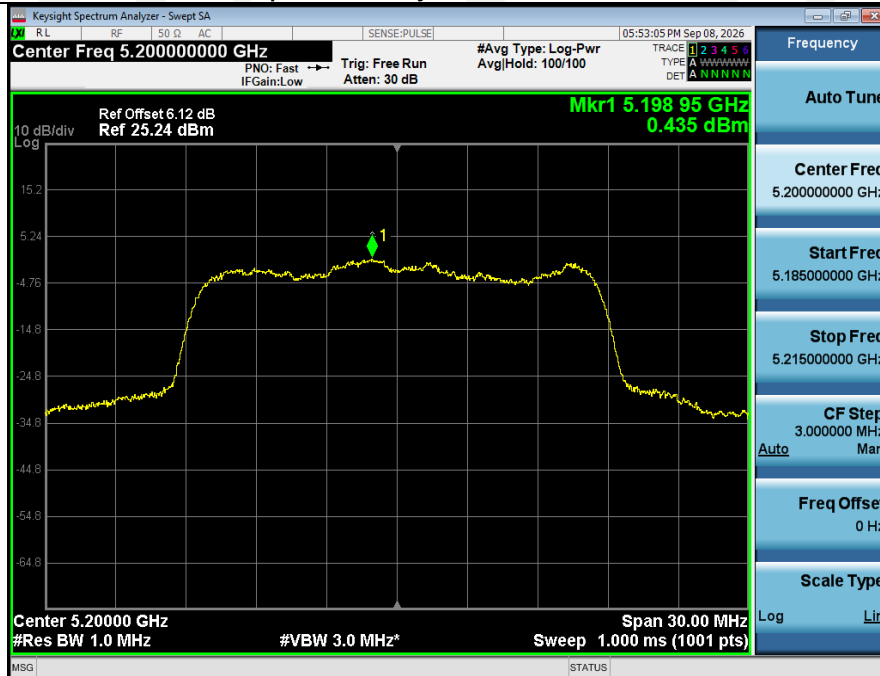
Measurement Data**Band 1 (5150-5250 MHz) SISO:**

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	0.16	0.18	0.34	11	Pass
NVNT	ANT1	802.11a	5200.00	0.43	0.18	0.61	11	Pass
NVNT	ANT1	802.11a	5240.00	-0.02	0.12	0.10	11	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	0.79	0.19	0.98	11	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	-0.14	0.20	0.07	11	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	0.29	0.20	0.49	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	-2.87	0.51	-2.36	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	-4.23	0.35	-3.88	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	-3.65	0.51	-3.14	11	Pass
NVNT	ANT1	802.11ax(HE20)	5180.00	-4.56	0.38	-4.18	11	Pass
NVNT	ANT1	802.11ax(HE20)	5200.00	-4.69	0.58	-4.11	11	Pass
NVNT	ANT1	802.11ax(HE20)	5240.00	-3.93	0.38	-3.55	11	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	-4.60	0.39	-4.21	11	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	-4.51	0.39	-4.12	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	-7.45	0.62	-6.83	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	-10.59	0.90	-9.69	11	Pass
NVNT	ANT1	802.11ax(HE40)	5190.00	-5.31	0.58	-4.73	11	Pass
NVNT	ANT1	802.11ax(HE40)	5230.00	-6.36	0.58	-5.78	11	Pass

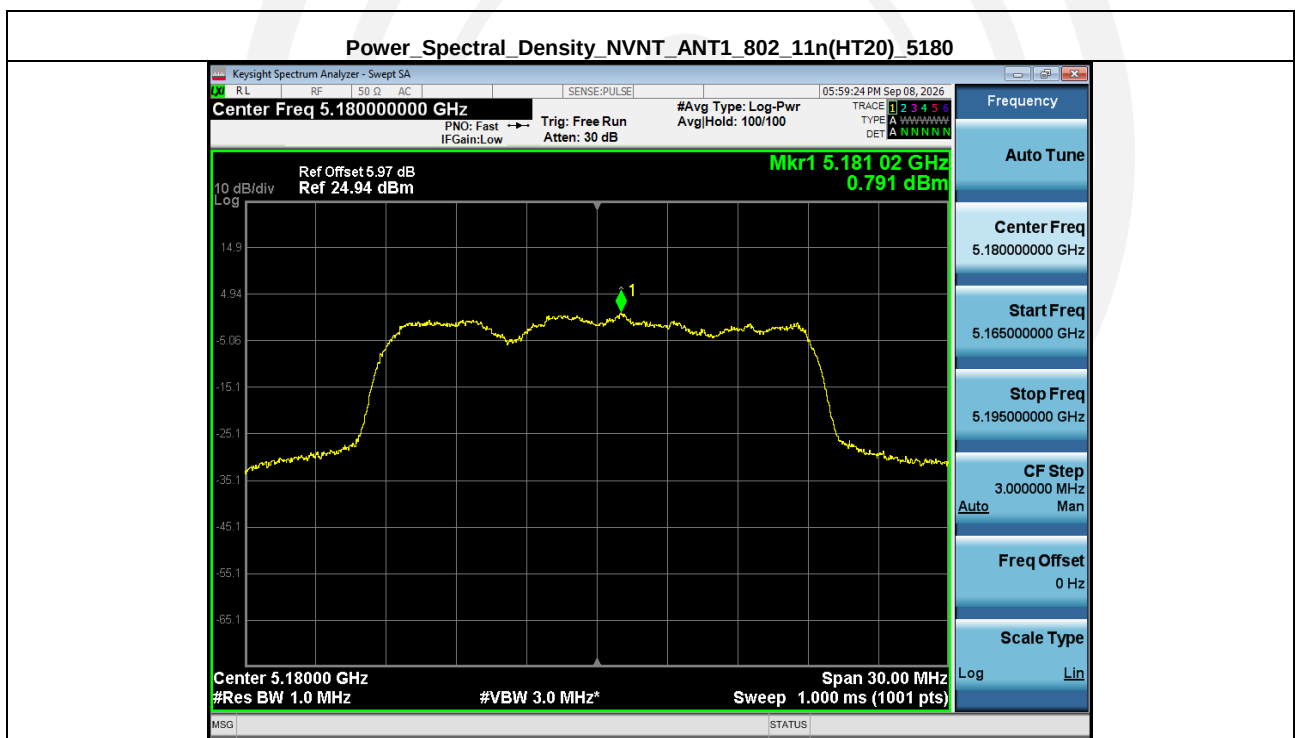
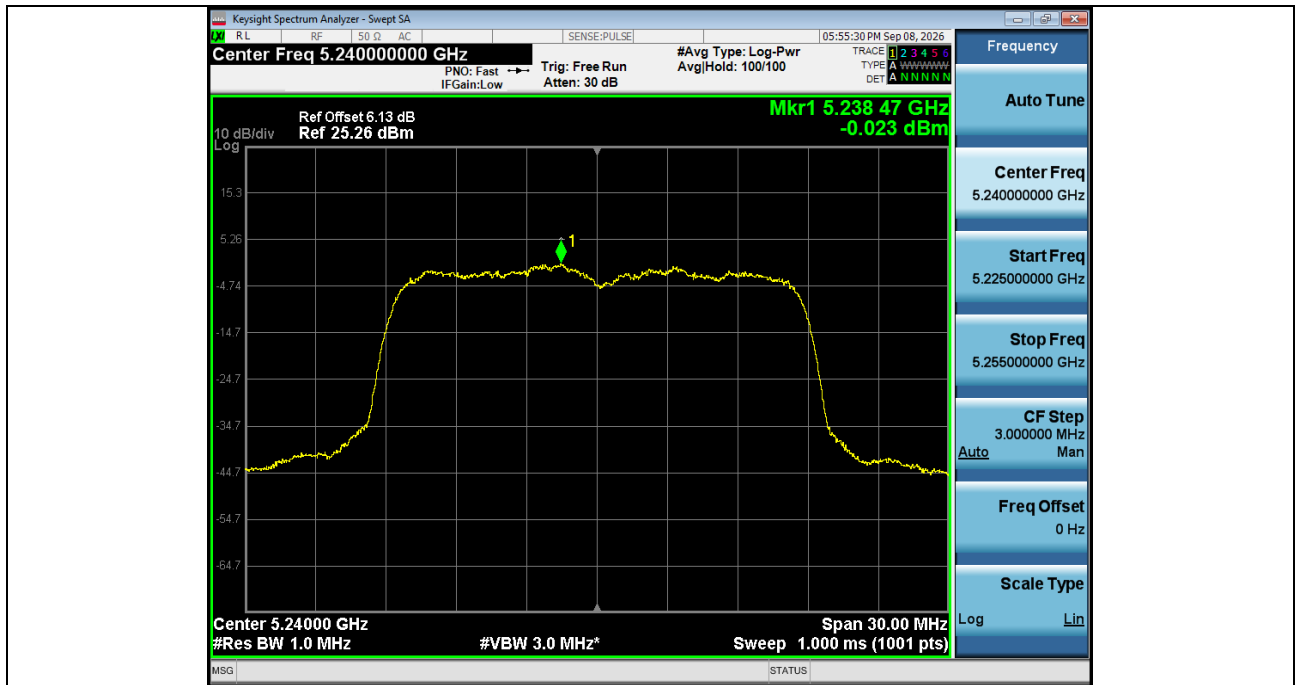
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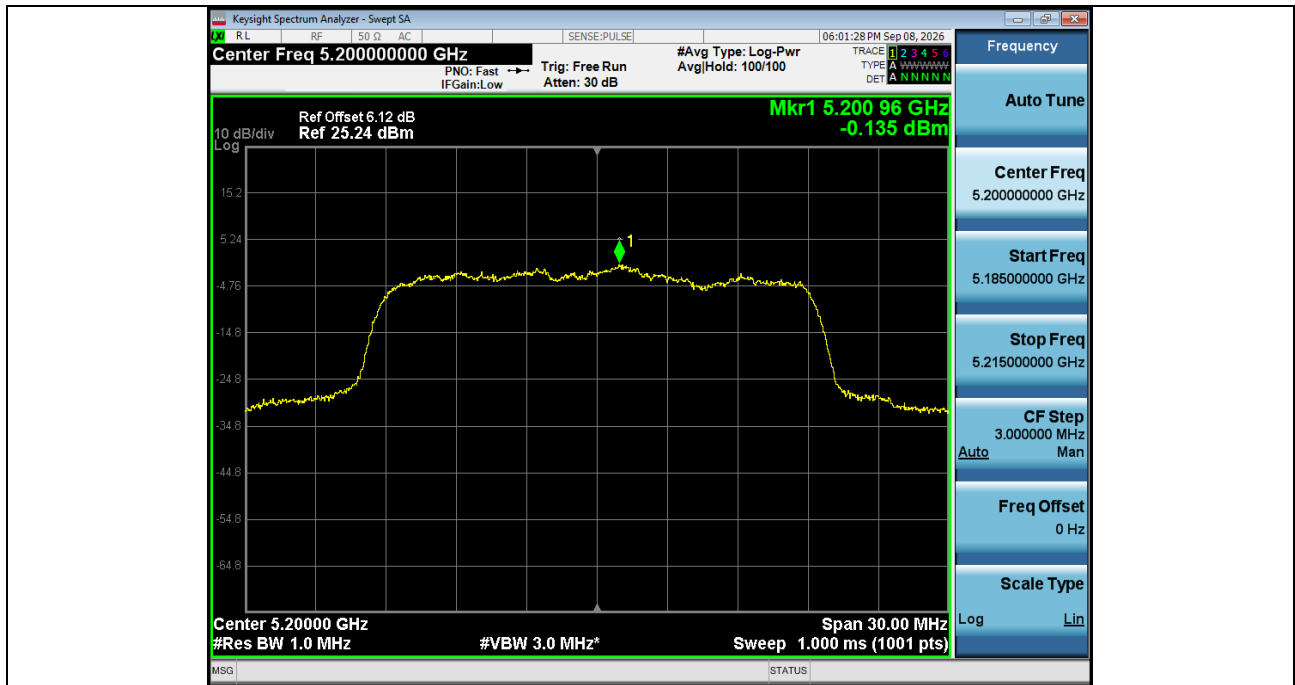
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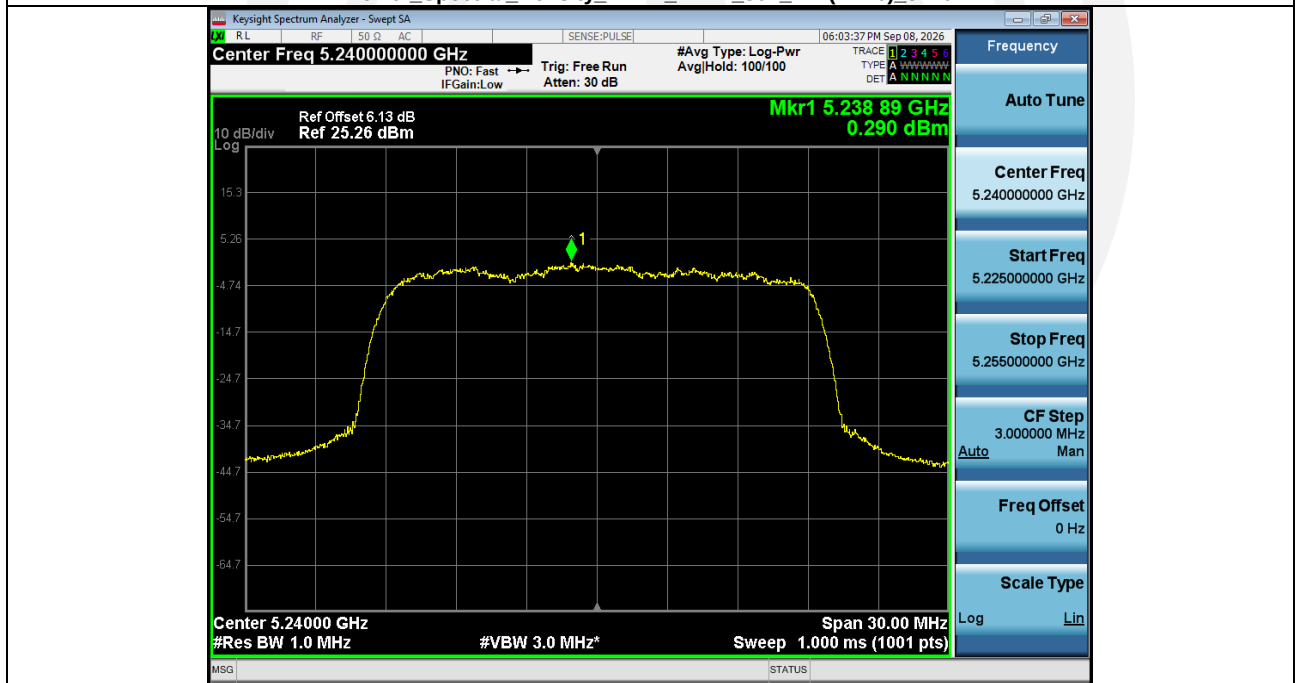
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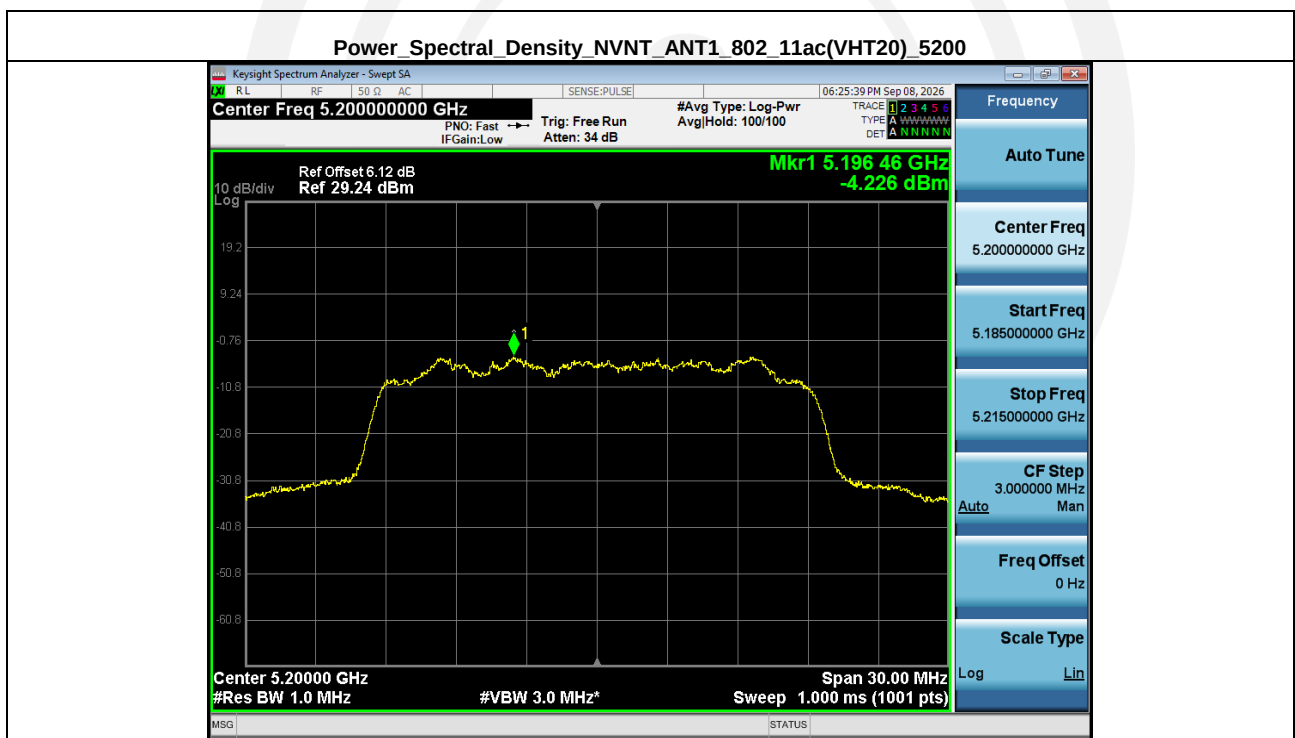
Power Spectral Density NVNT_ANT1_802_11n(HT20)_5200



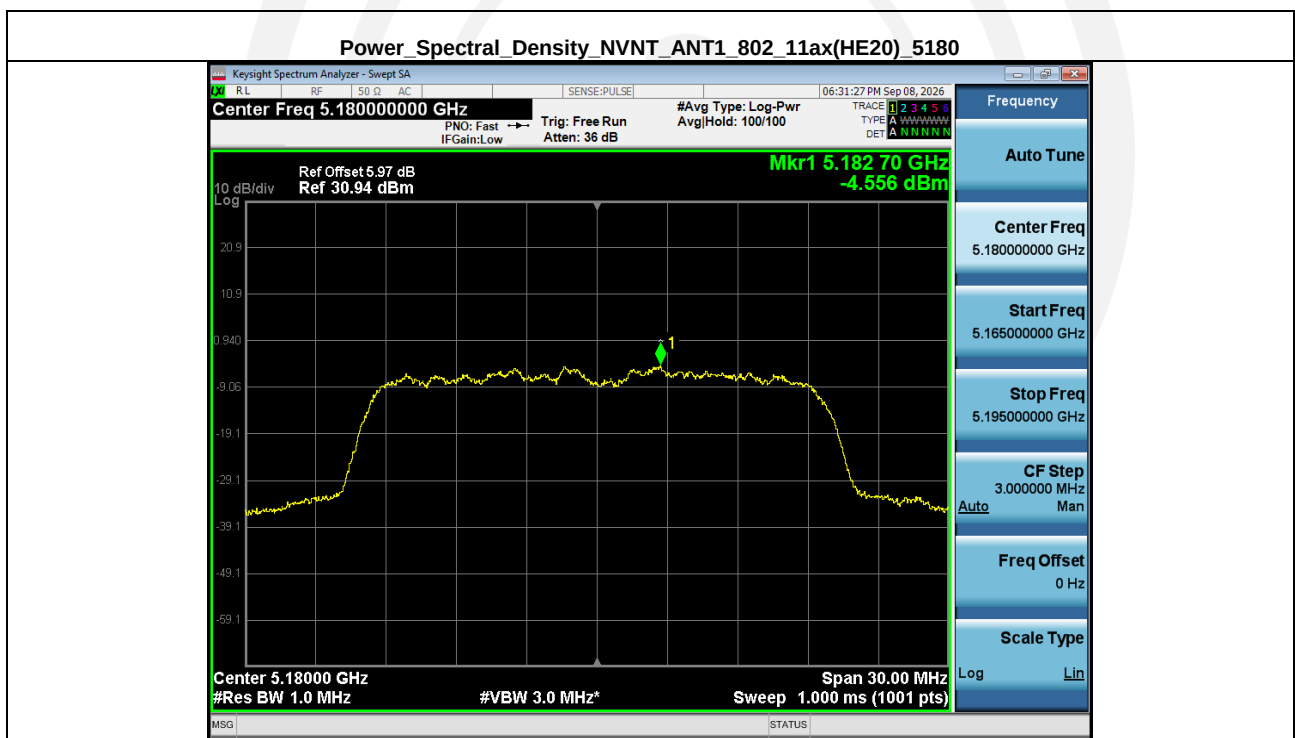
Power Spectral Density NVNT_ANT1_802_11n(HT20)_5240



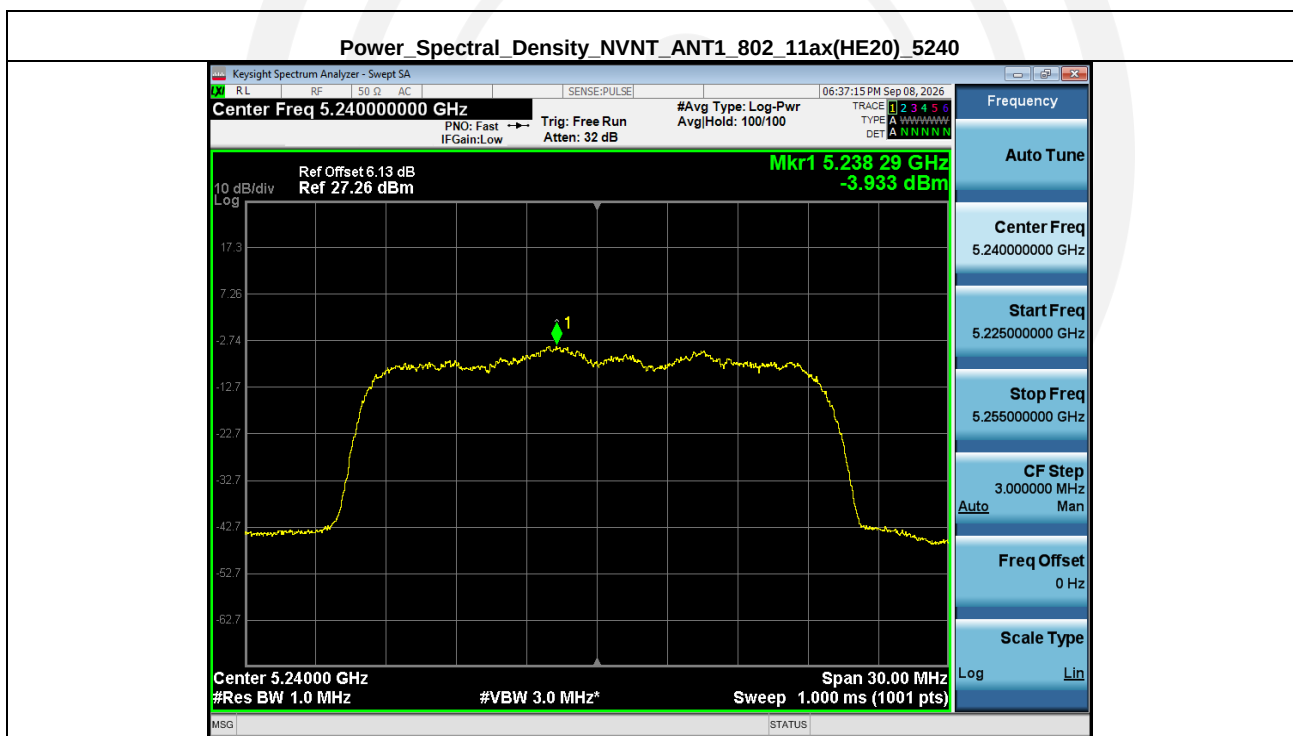
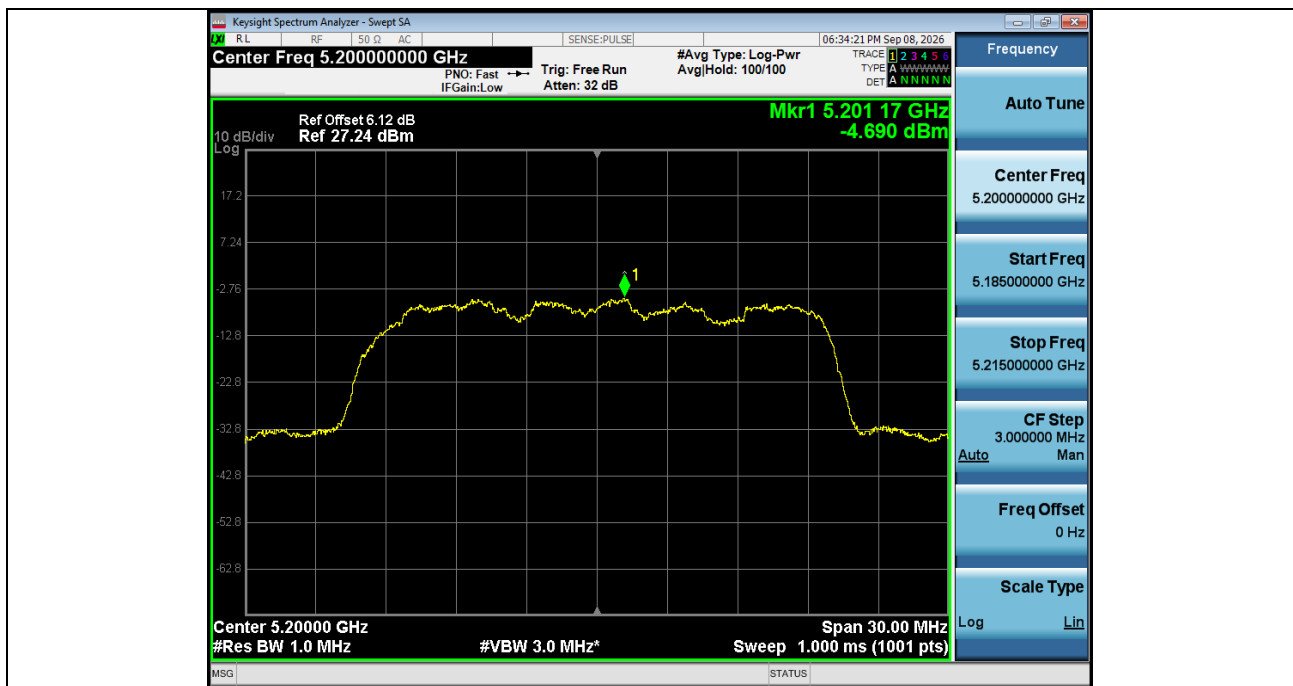
Power Spectral Density NVNT_ANT1_802_11ac(VHT20)_5180



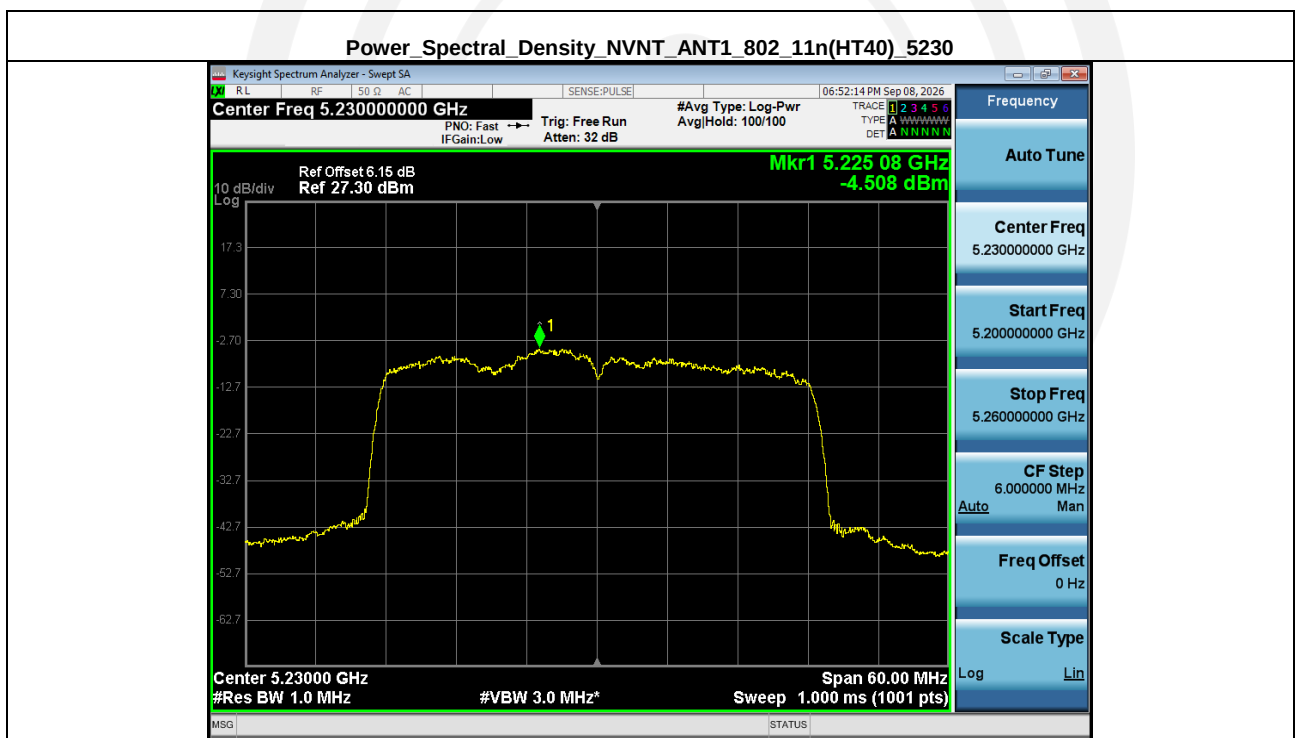
Power Spectral Density_NVNT_ANT1_802_11ac(VHT20)_5240



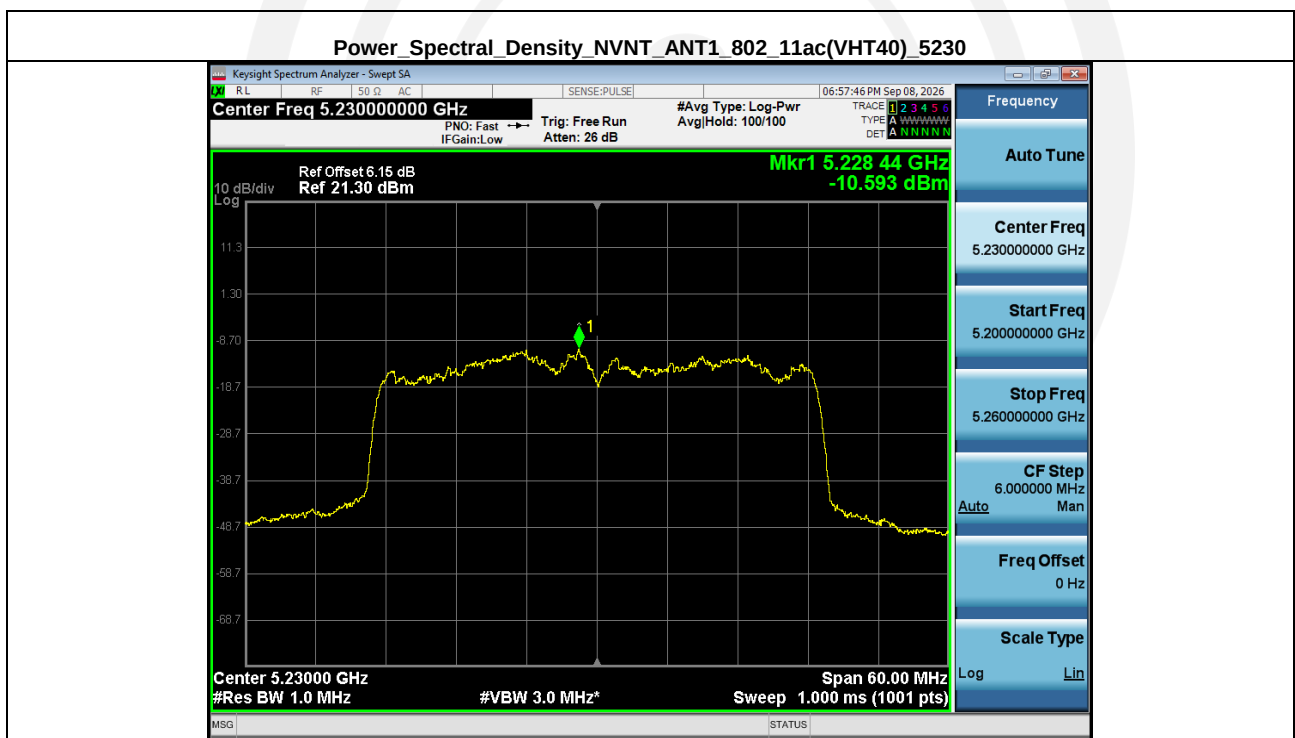
Power Spectral Density NVNT ANT1 802 11ax(HE20) 5200



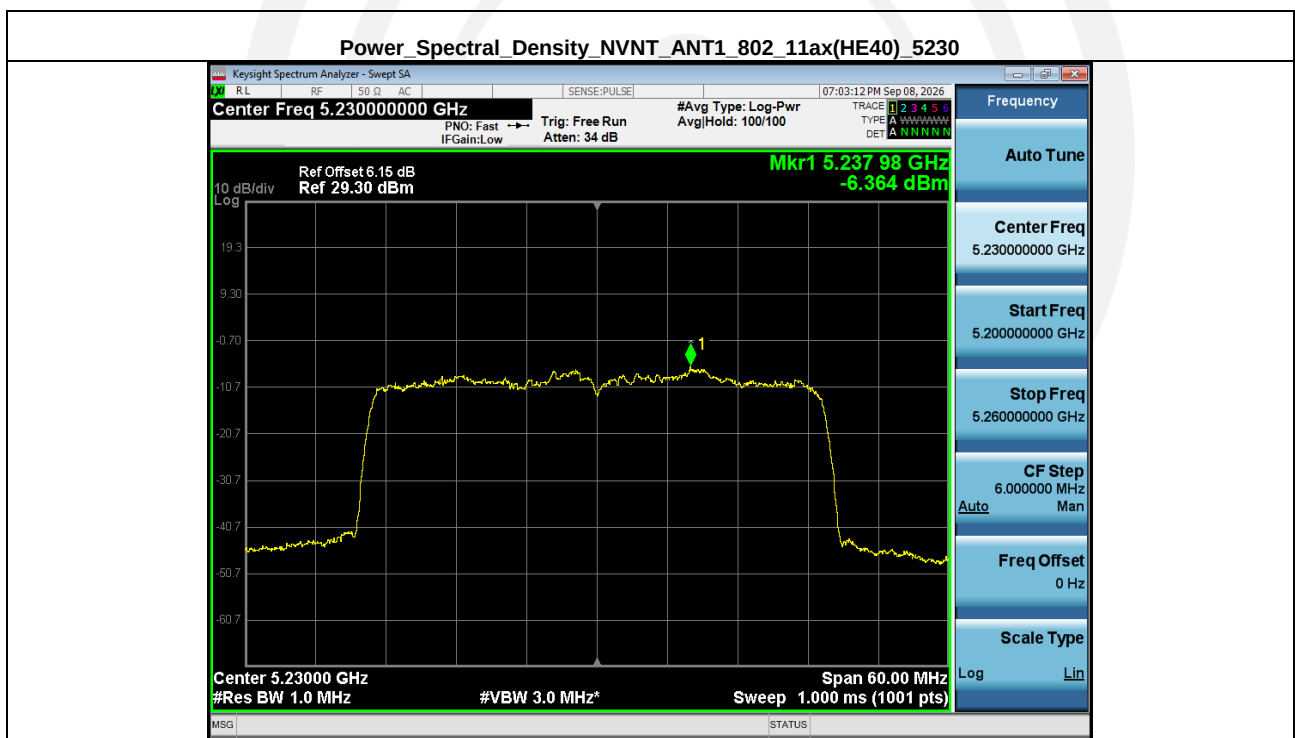
Power Spectral Density NVNT ANT1_802_11n(HT40)_5190



Power Spectral Density NVNT_ANT1_802_11ac(VHT40)_5190

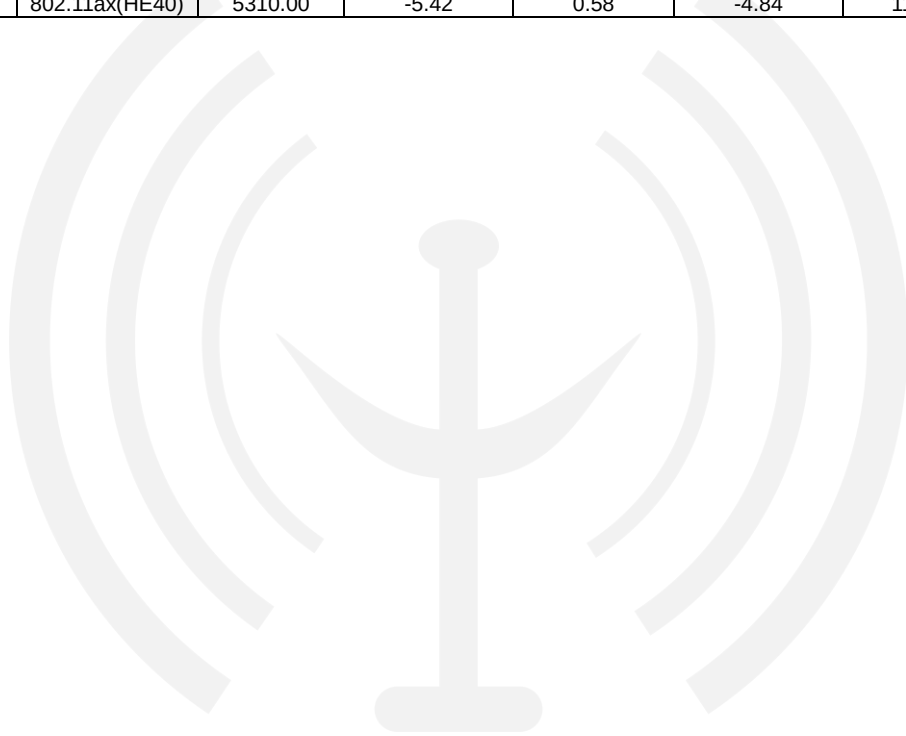


Power Spectral Density NVNT_ANT1_802_11ax(HE40)_5190

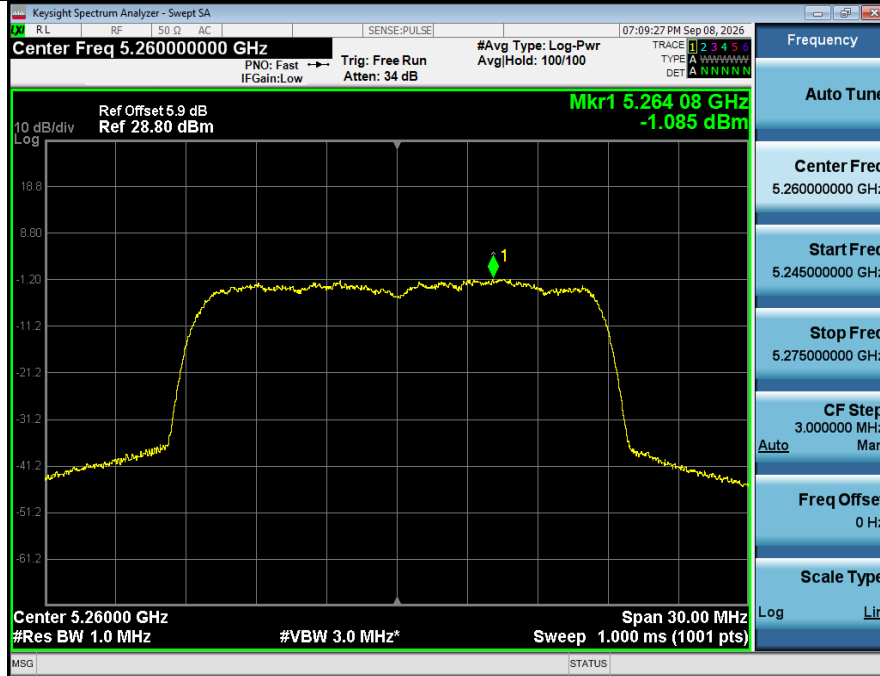


Band 2 (5260-5320 MHz) SISO:

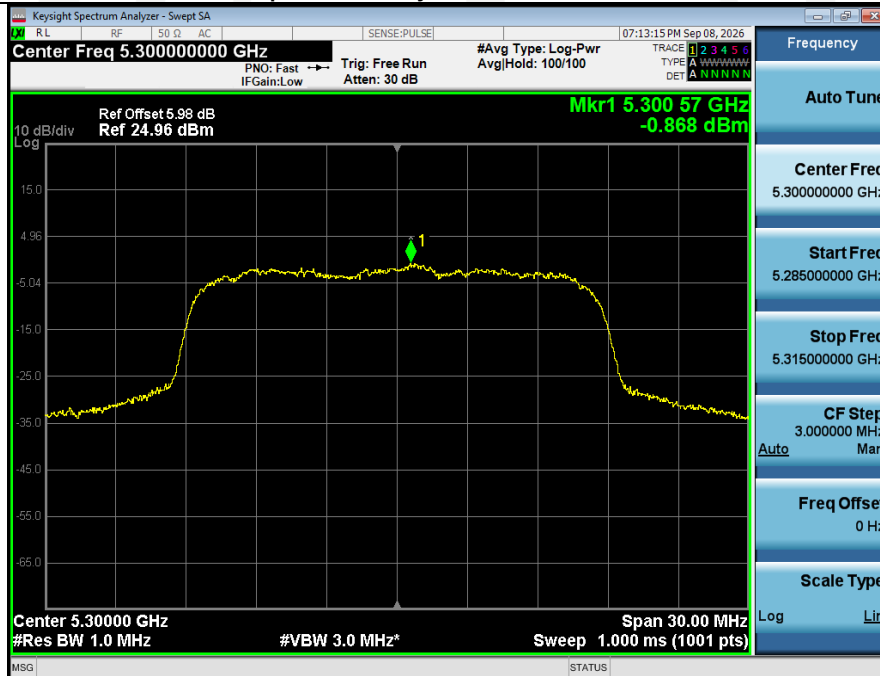
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	limit(dBm)	Result
NVNT	ANT1	802.11a	5260.00	-1.08	0.12	-0.96	11	Pass
NVNT	ANT1	802.11a	5300.00	-0.87	0.18	-0.69	11	Pass
NVNT	ANT1	802.11a	5320.00	-1.52	0.12	-1.40	11	Pass
NVNT	ANT1	802.11n(HT20)	5260.00	-2.29	0.20	-2.09	11	Pass
NVNT	ANT1	802.11n(HT20)	5300.00	-2.60	0.13	-2.47	11	Pass
NVNT	ANT1	802.11n(HT20)	5320.00	-2.90	0.20	-2.70	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5260.00	-3.77	0.51	-3.26	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5300.00	-2.59	0.51	-2.08	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5320.00	-4.35	0.51	-3.84	11	Pass
NVNT	ANT1	802.11ax(HE20)	5260.00	-4.99	0.58	-4.41	11	Pass
NVNT	ANT1	802.11ax(HE20)	5300.00	-3.98	0.58	-3.40	11	Pass
NVNT	ANT1	802.11ax(HE20)	5320.00	-5.75	0.38	-5.37	11	Pass
NVNT	ANT1	802.11n(HT40)	5270.00	-4.32	0.26	-4.06	11	Pass
NVNT	ANT1	802.11n(HT40)	5310.00	-5.25	0.26	-4.99	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5270.00	-9.04	0.90	-8.14	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5310.00	-10.34	0.90	-9.44	11	Pass
NVNT	ANT1	802.11ax(HE40)	5270.00	-6.25	0.38	-5.87	11	Pass
NVNT	ANT1	802.11ax(HE40)	5310.00	-5.42	0.58	-4.84	11	Pass



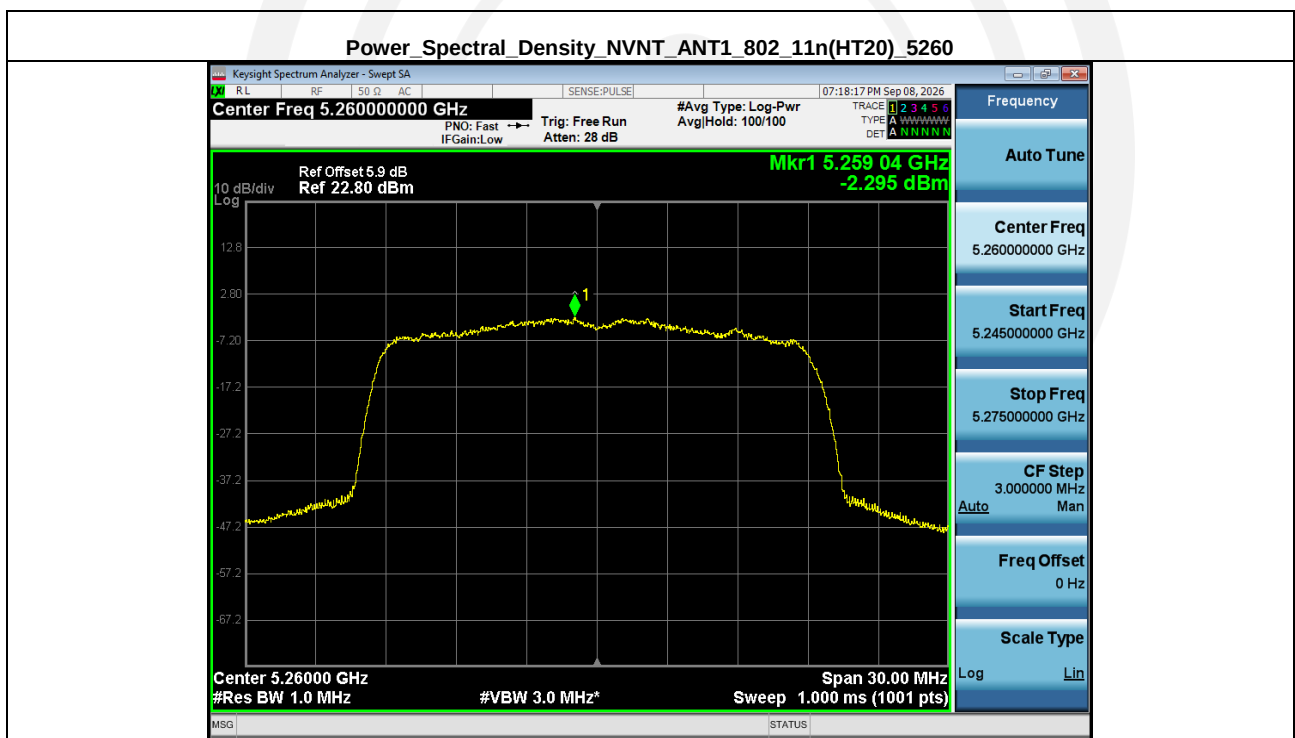
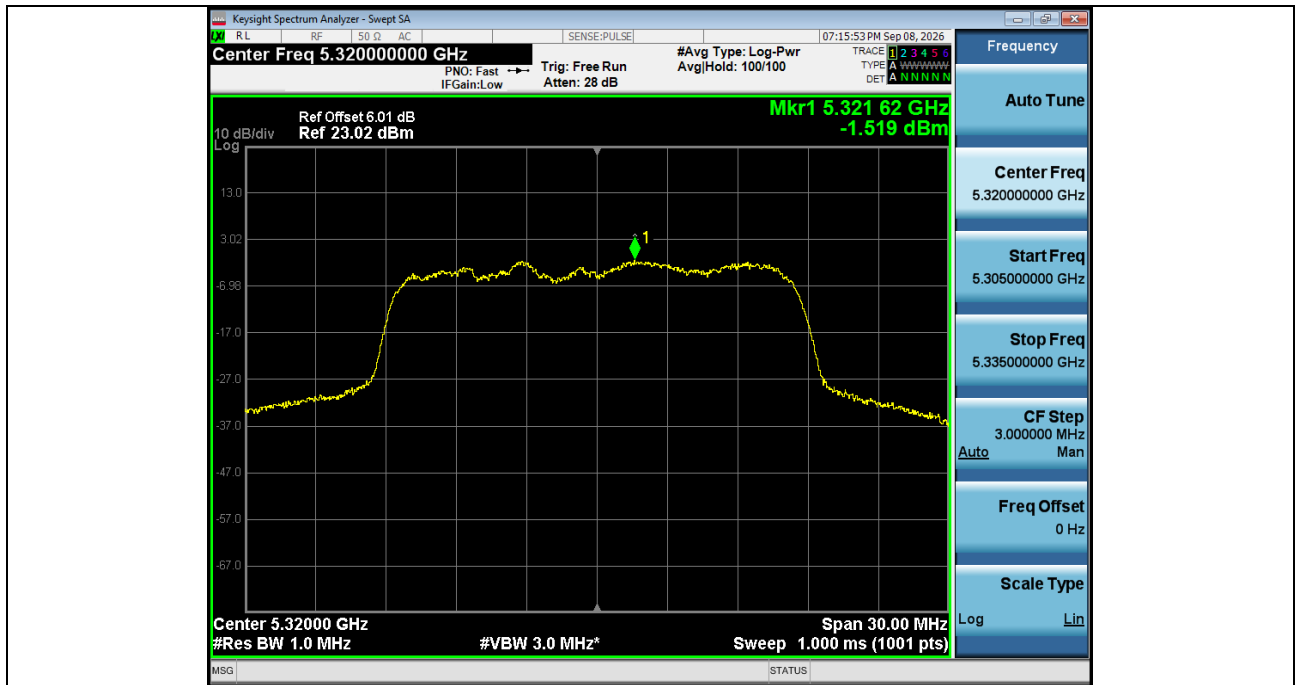
Power Spectral Density NVNT_ANT1_802_11a_5260



Power Spectral Density NVNT_ANT1_802_11a_5300



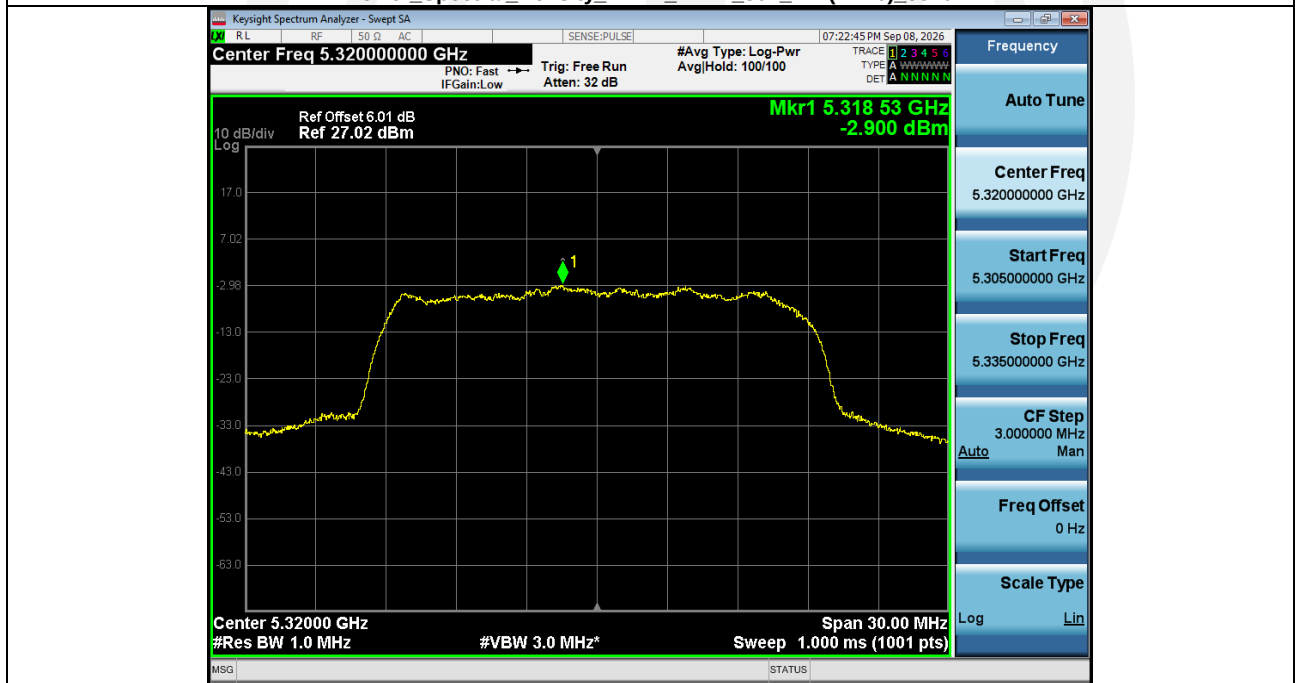
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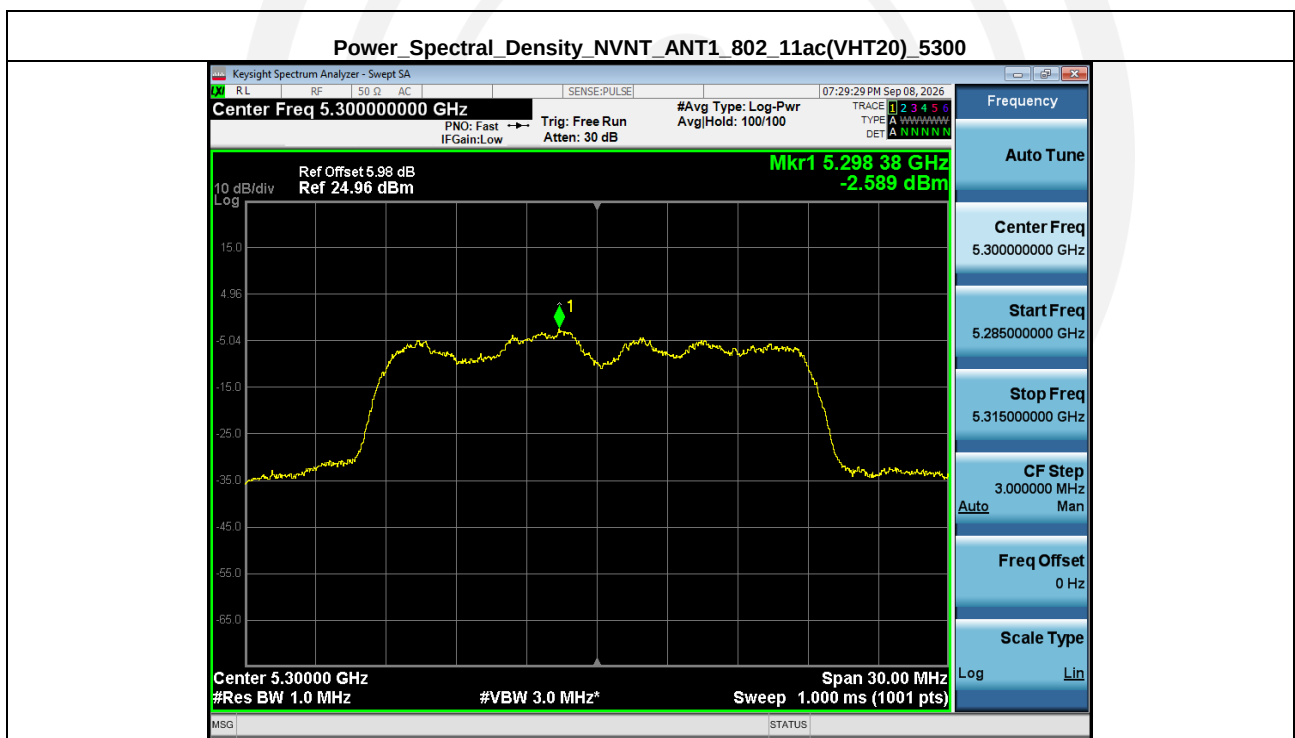
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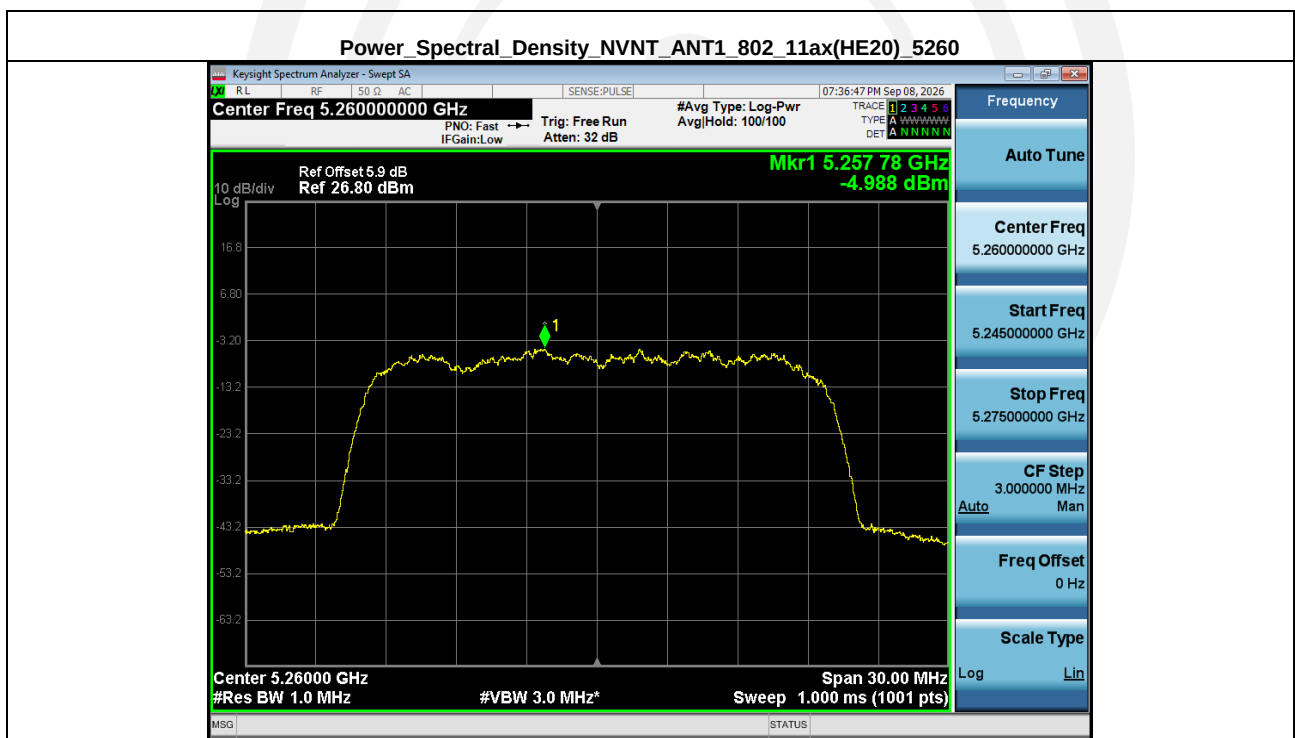
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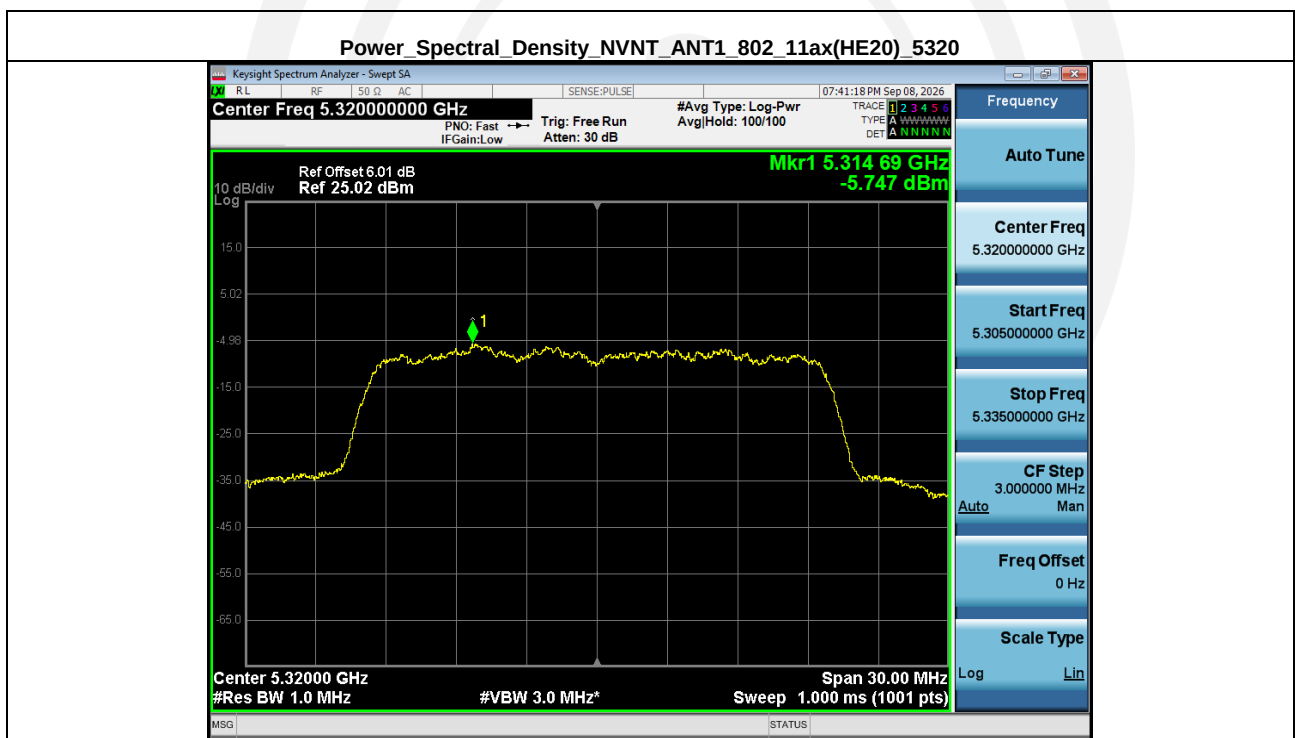
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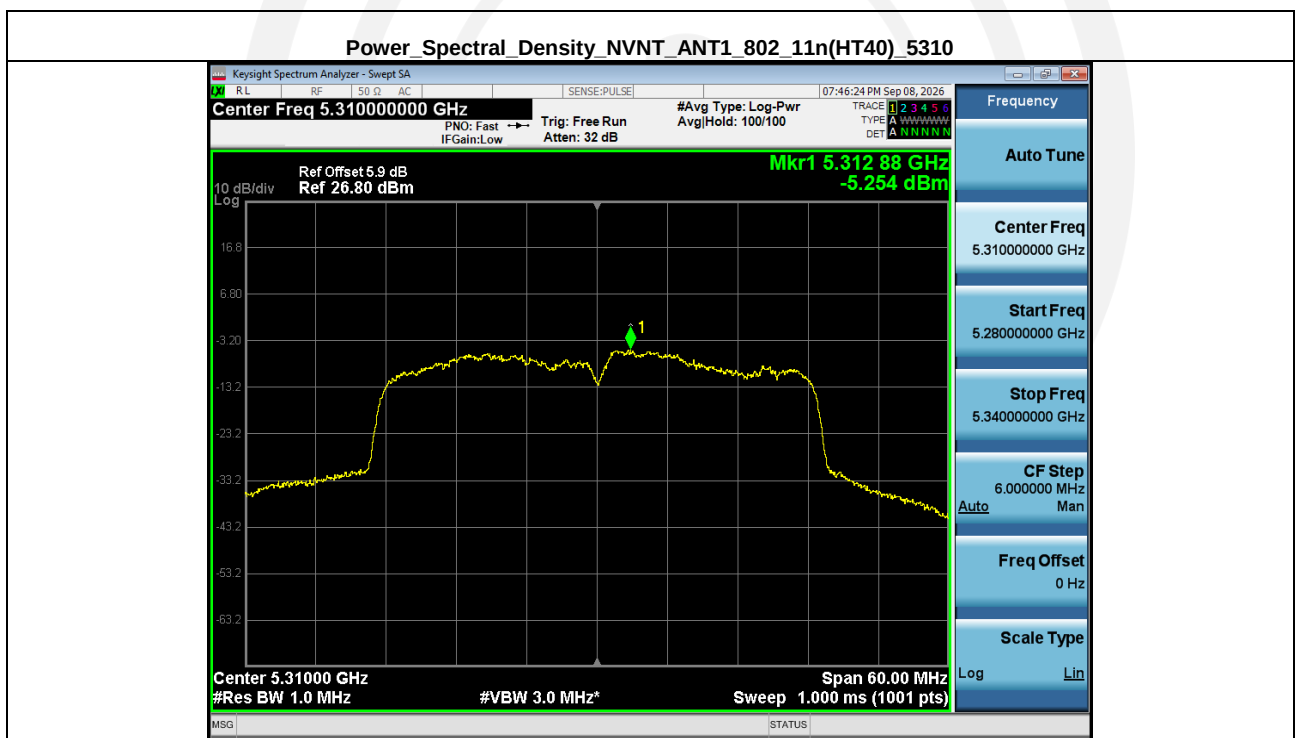
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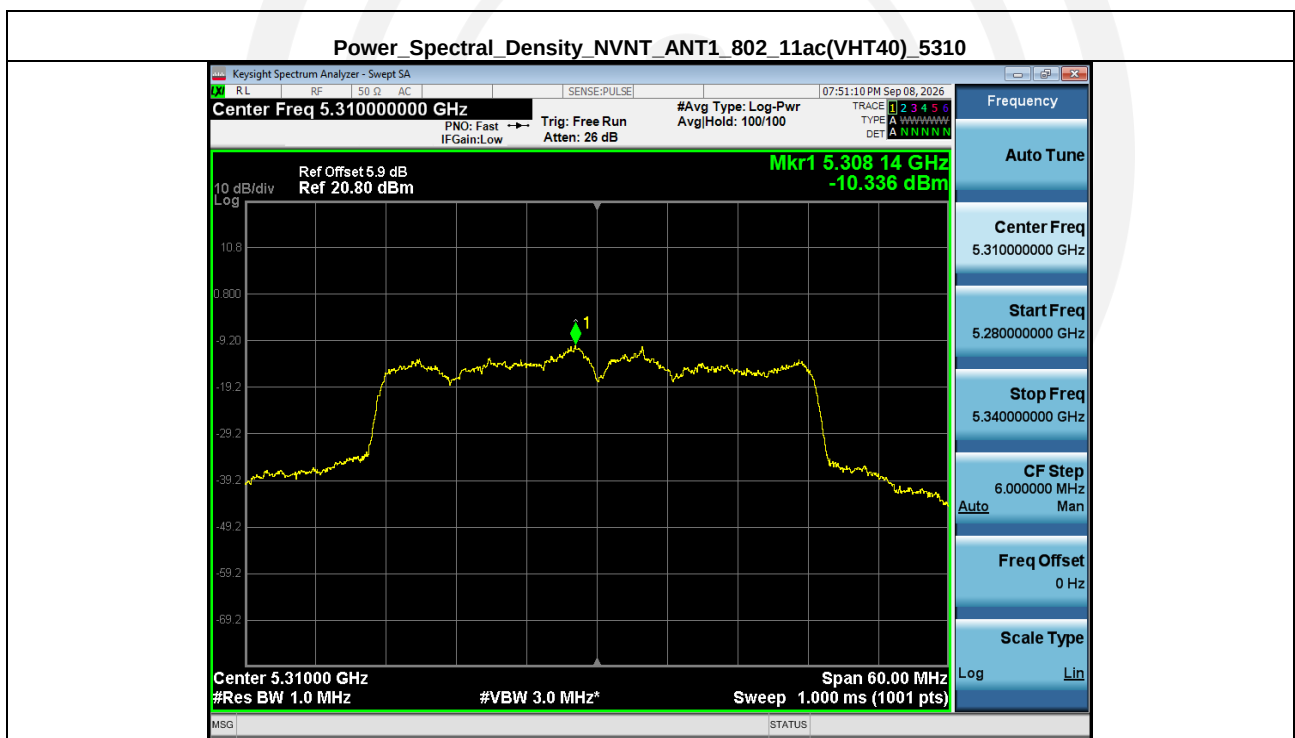
Power Spectral Density NVNT ANT1 802 11ax(HE20) 5300



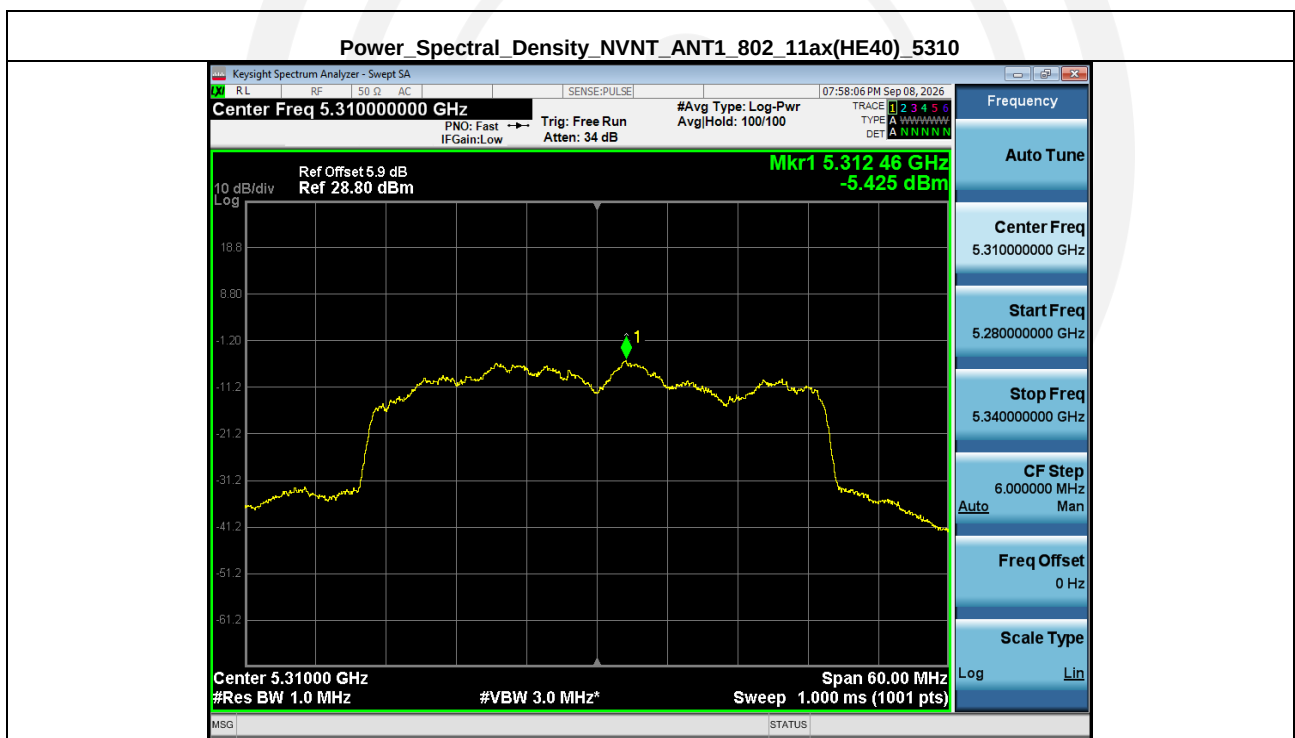
Power Spectral Density NVNT ANT1_802_11n(HT40)_5270



Power Spectral Density NVNT_ANT1_802_11ac(VHT40)_5270



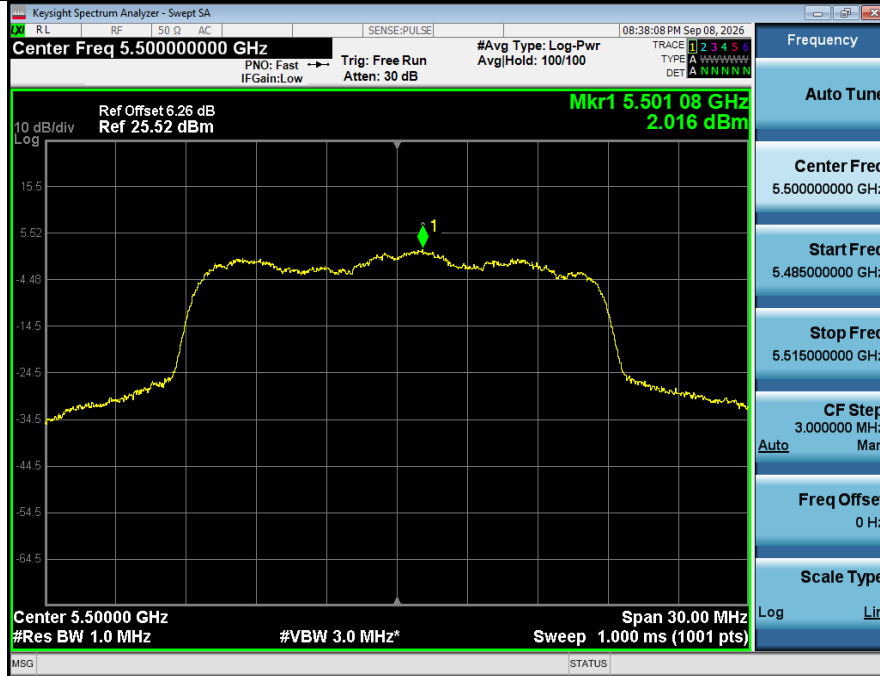
Power Spectral Density NVNT_ANT1_802_11ax(HE40)_5270



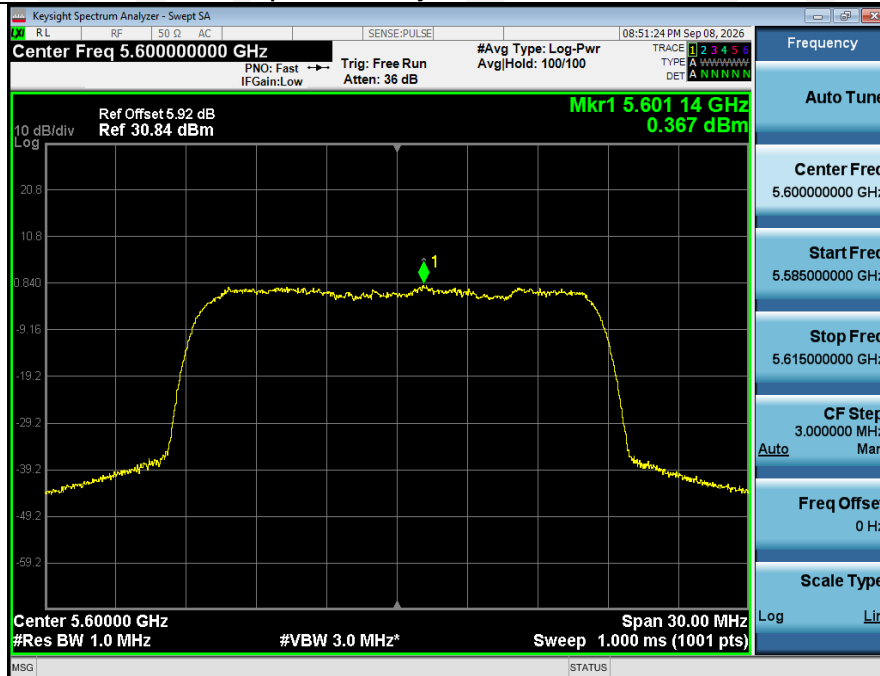
Band 3 (5500-5570 MHz) SISO:

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	limit(dBm)	Result
NVNT	ANT1	802.11a	5500.00	2.02	0.18	2.20	11	Pass
NVNT	ANT1	802.11a	5600.00	0.37	0.18	0.55	11	Pass
NVNT	ANT1	802.11a	5700.00	0.35	0.12	0.47	11	Pass
NVNT	ANT1	802.11n(HT20)	5500.00	1.87	0.20	2.07	11	Pass
NVNT	ANT1	802.11n(HT20)	5600.00	1.71	0.20	1.91	11	Pass
NVNT	ANT1	802.11n(HT20)	5700.00	0.49	0.20	0.69	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5500.00	-0.93	0.35	-0.58	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5600.00	-0.84	0.35	-0.49	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5700.00	-1.73	0.35	-1.38	11	Pass
NVNT	ANT1	802.11ax(HE20)	5500.00	-2.02	0.58	-1.44	11	Pass
NVNT	ANT1	802.11ax(HE20)	5600.00	-0.06	0.58	0.52	11	Pass
NVNT	ANT1	802.11ax(HE20)	5700.00	-1.53	0.56	-0.97	11	Pass
NVNT	ANT1	802.11n(HT40)	5510.00	-3.00	0.39	-2.60	11	Pass
NVNT	ANT1	802.11n(HT40)	5590.00	-3.71	0.39	-3.32	11	Pass
NVNT	ANT1	802.11n(HT40)	5670.00	-3.38	0.39	-2.99	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5510.00	-6.86	0.90	-5.96	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5590.00	-6.99	0.90	-6.09	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5670.00	-9.49	0.90	-8.59	11	Pass
NVNT	ANT1	802.11ax(HE40)	5510.00	-5.58	0.58	-5.00	11	Pass
NVNT	ANT1	802.11ax(HE40)	5590.00	-4.47	0.58	-3.89	11	Pass
NVNT	ANT1	802.11ax(HE40)	5670.00	-3.48	0.58	-2.90	11	Pass

Power_Spectral_Density_NVNT_ANT1_802_11a_5500



Power_Spectral_Density_NVNT_ANT1_802_11a_5600



Power_Spectral_Density_NVNT_ANT1_802_11a_5700