

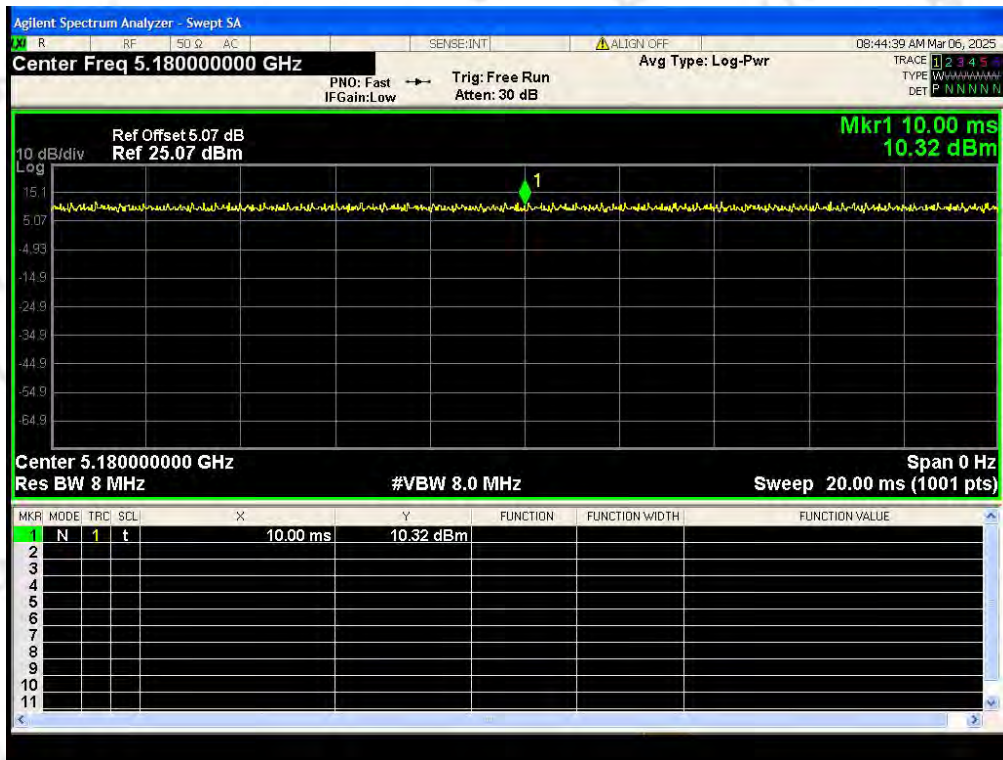
Test Report

ANT 1 5G WIFI RF test data_B1

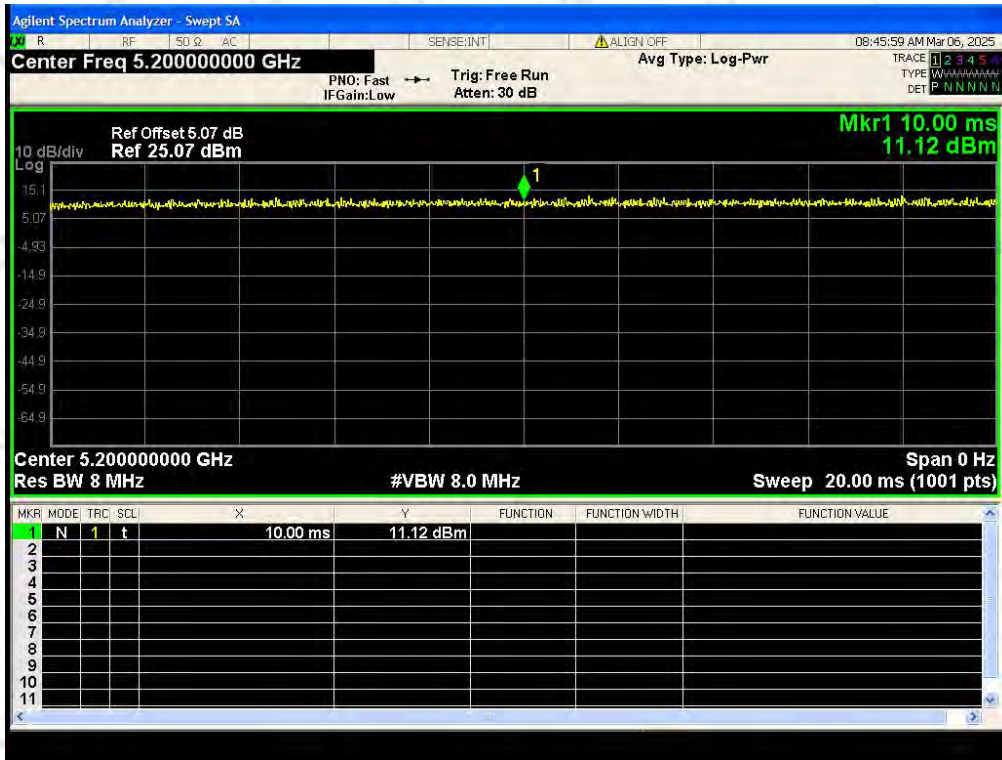
Duty Cycle

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
NVNT	802.11a	5180	100	0
NVNT	802.11a	5200	100	0
NVNT	802.11a	5240	100	0
NVNT	802.11ac20	5180	100	0
NVNT	802.11ac20	5200	100	0
NVNT	802.11ac20	5240	100	0
NVNT	802.11ac40	5190	100	0
NVNT	802.11ac40	5230	100	0
NVNT	802.11ac80	5210	100	0
NVNT	802.11n(HT20)	5180	100	0
NVNT	802.11n(HT20)	5200	100	0
NVNT	802.11n(HT20)	5240	100	0
NVNT	802.11n(HT40)	5190	100	0
NVNT	802.11n(HT40)	5230	100	0

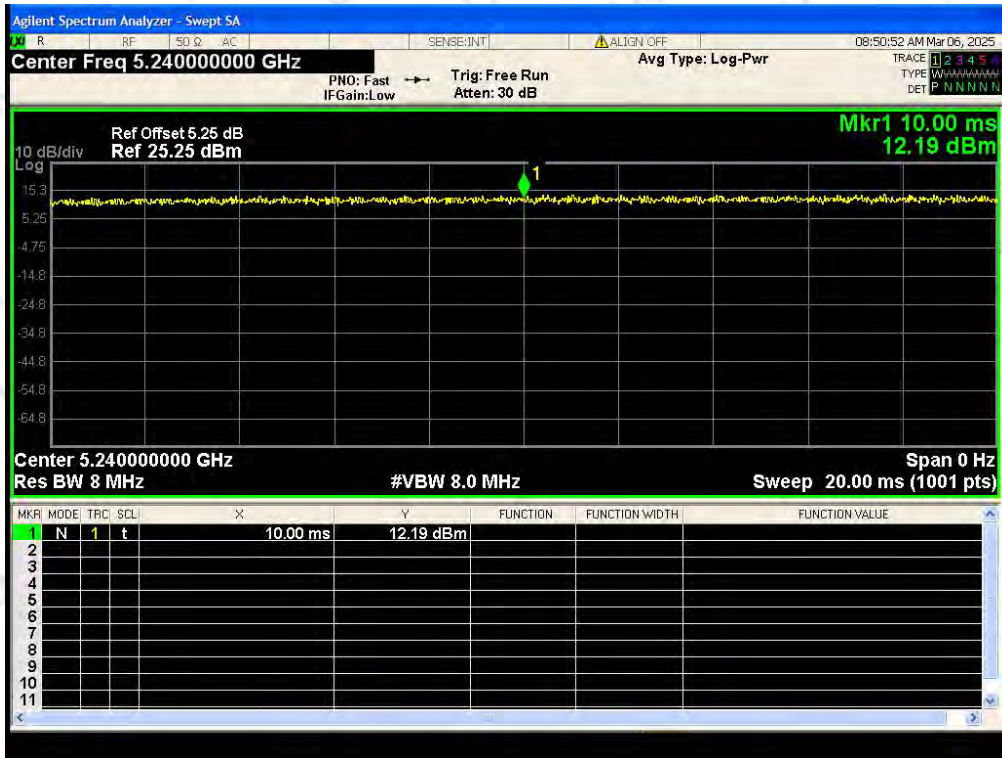
Duty Cycle NVNT 802.11a 5180MHz



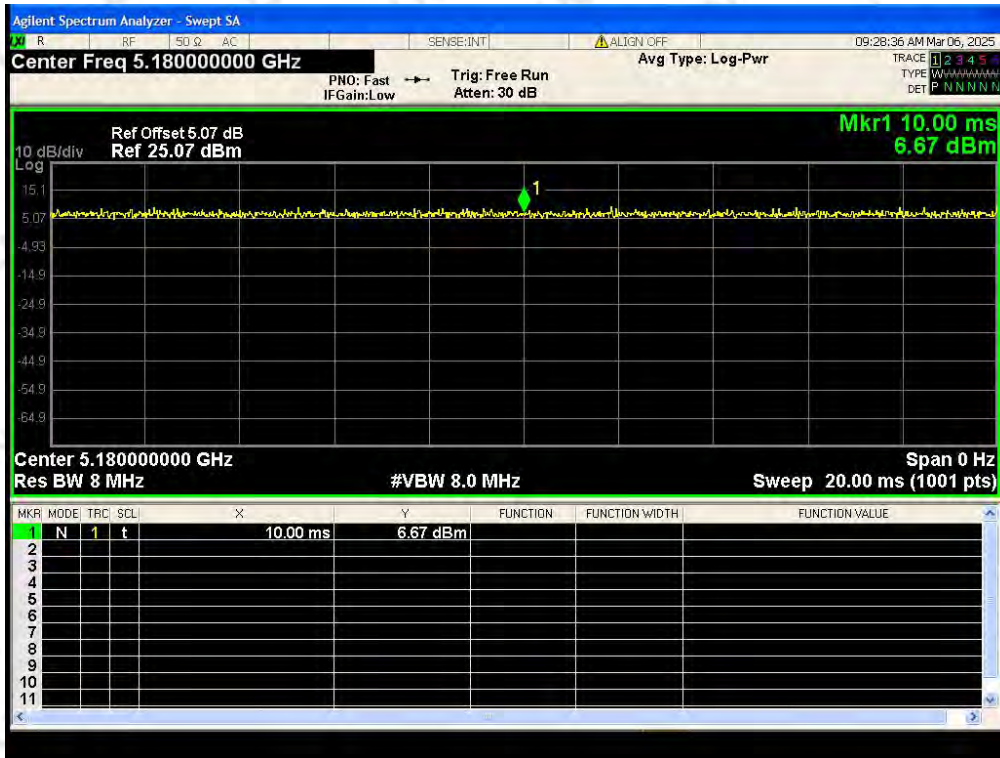
Duty Cycle NVNT 802.11a 5200MHz



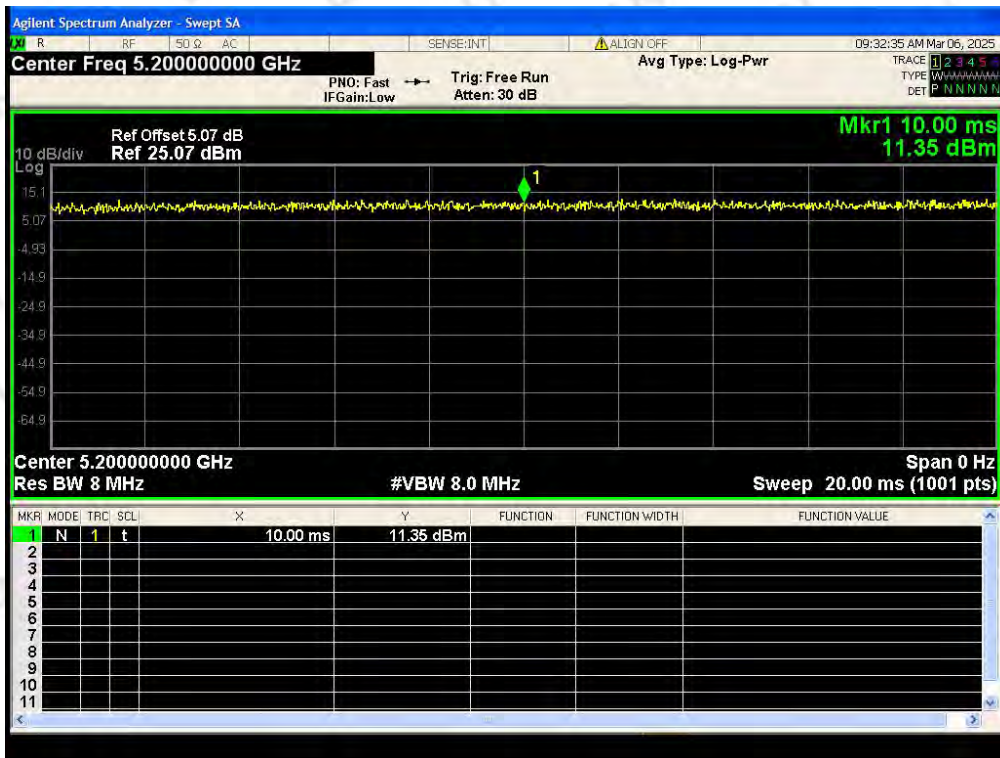
Duty Cycle NVNT 802.11a 5240MHz



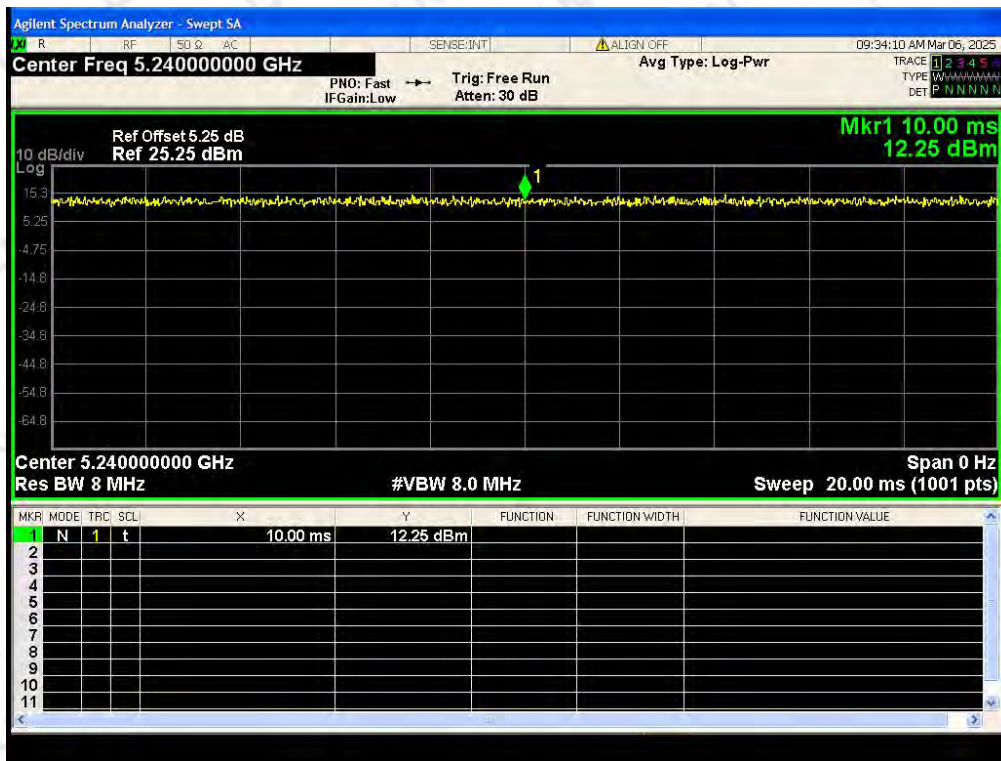
Duty Cycle NVNT 802.11ac20 5180MHz



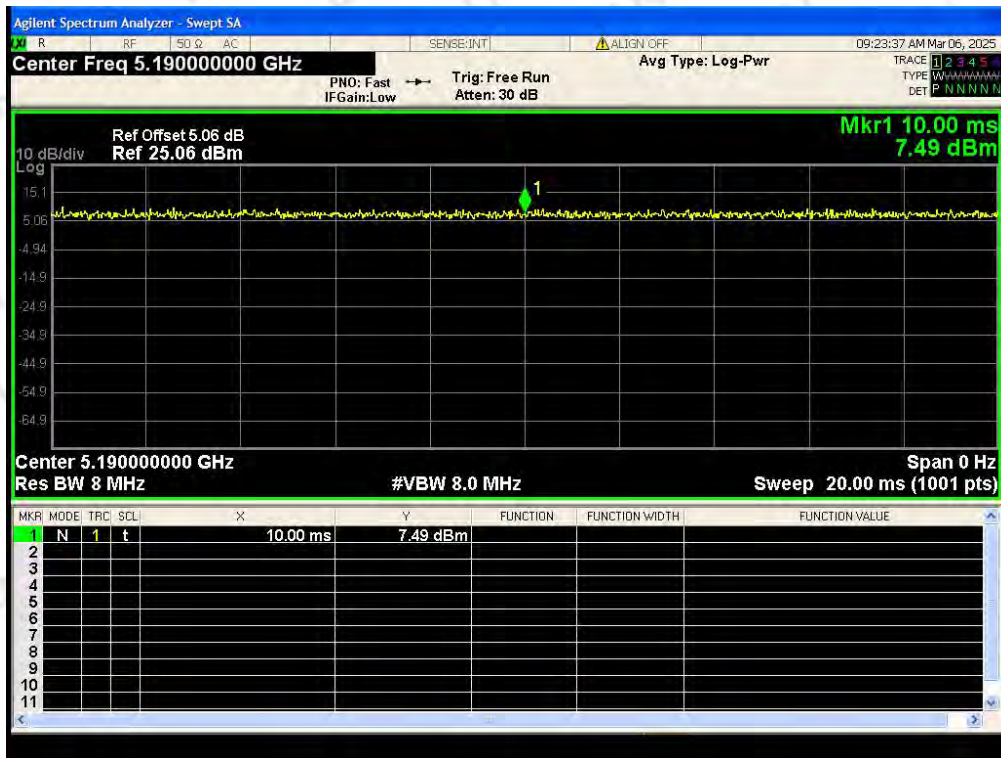
Duty Cycle NVNT 802.11ac20 5200MHz



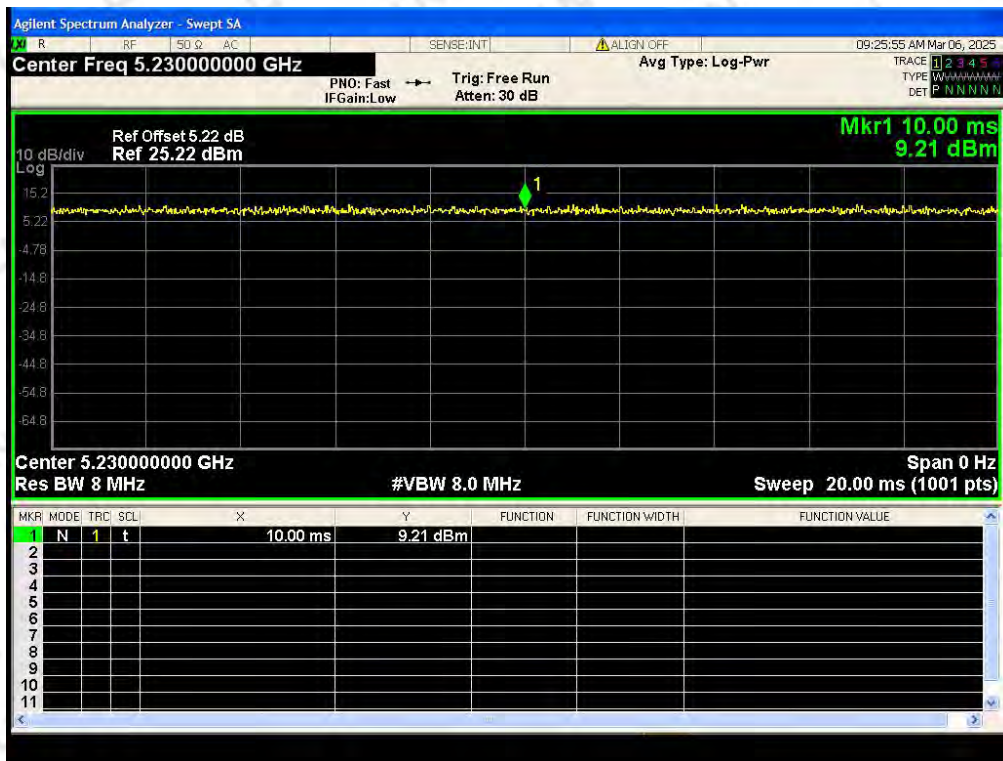
Duty Cycle NVNT 802.11ac20 5240MHz



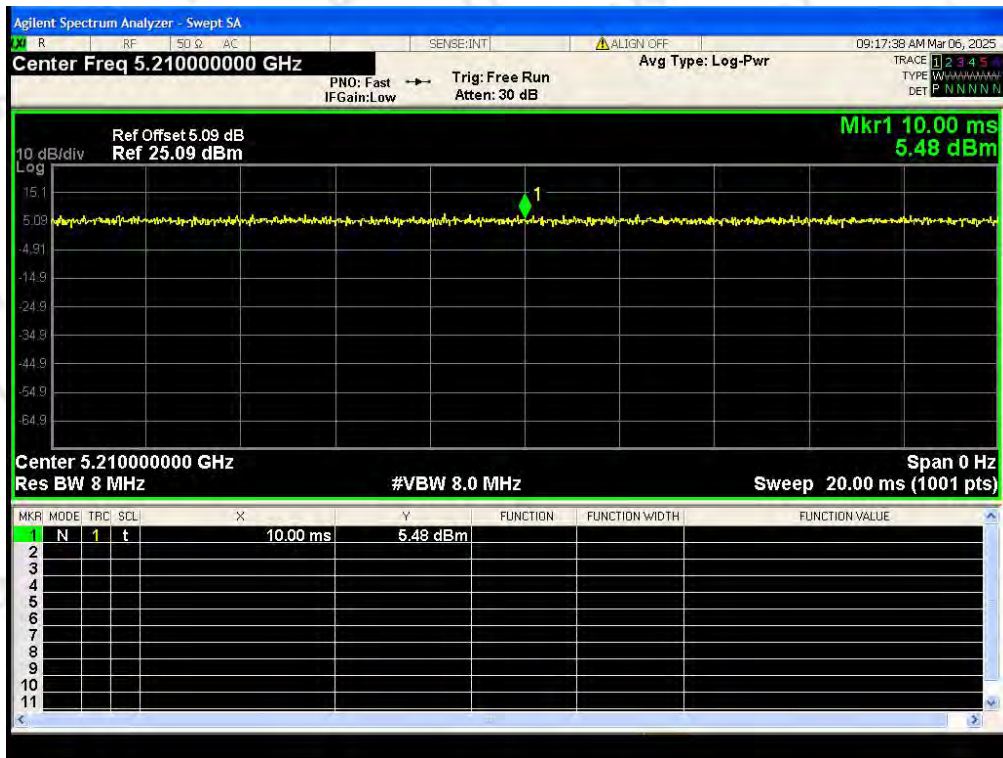
Duty Cycle NVNT 802.11ac40 5190MHz



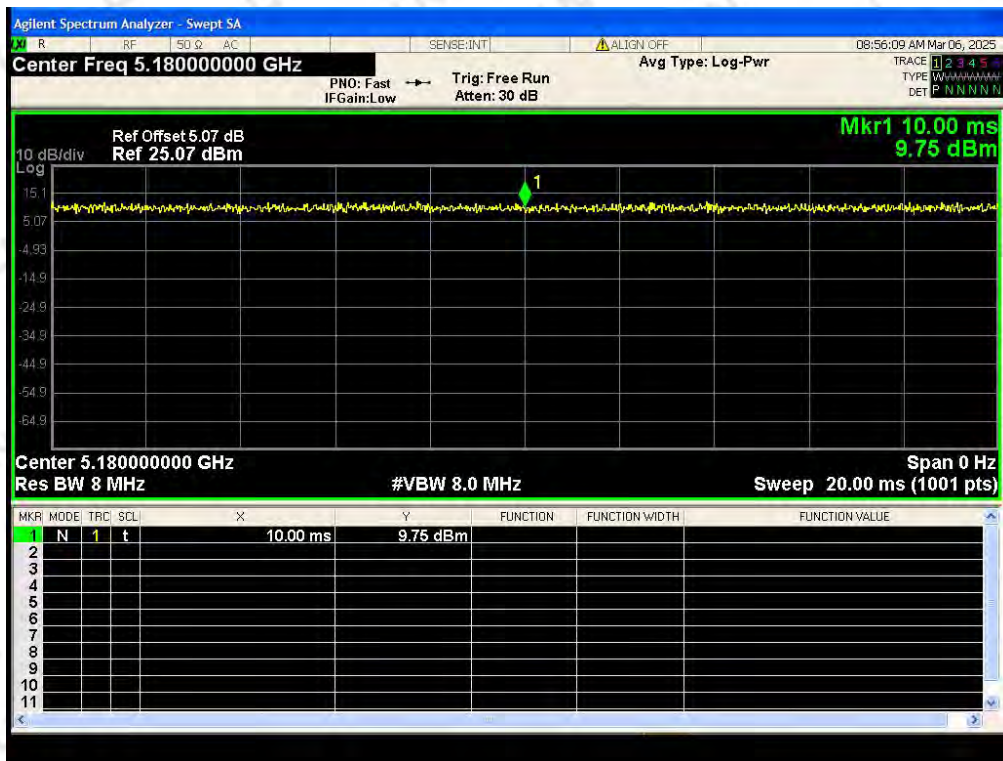
Duty Cycle NVNT 802.11ac40 5230MHz



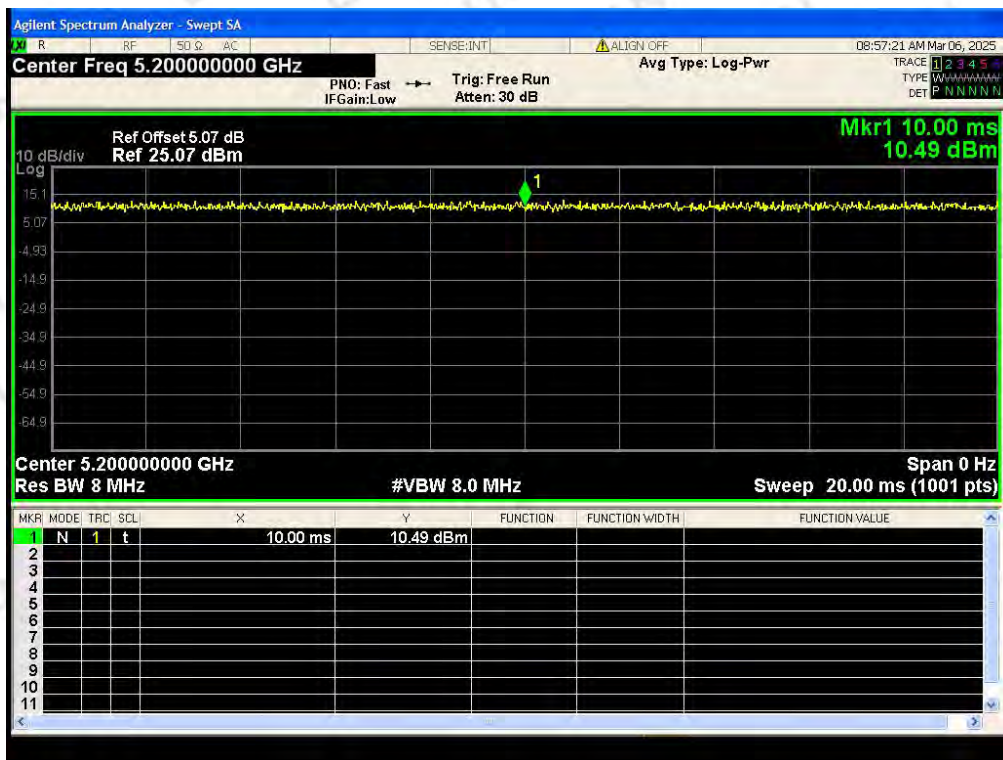
Duty Cycle NVNT 802.11ac80 5210MHz



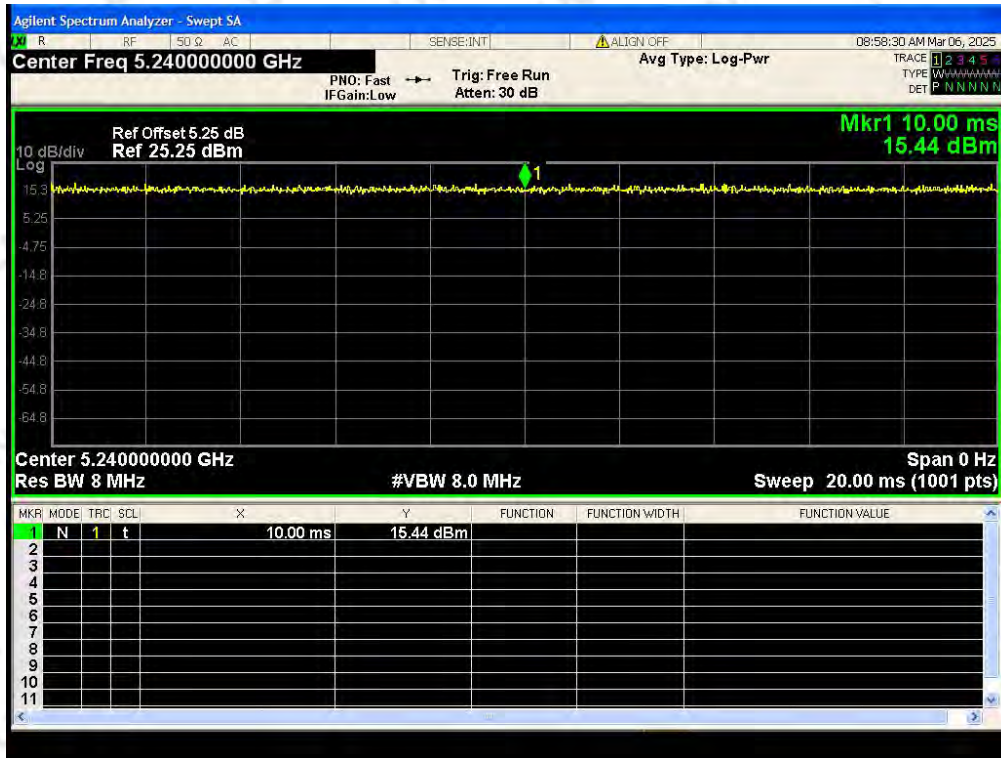
Duty Cycle NVNT 802.1n(HT20) 5180MHz



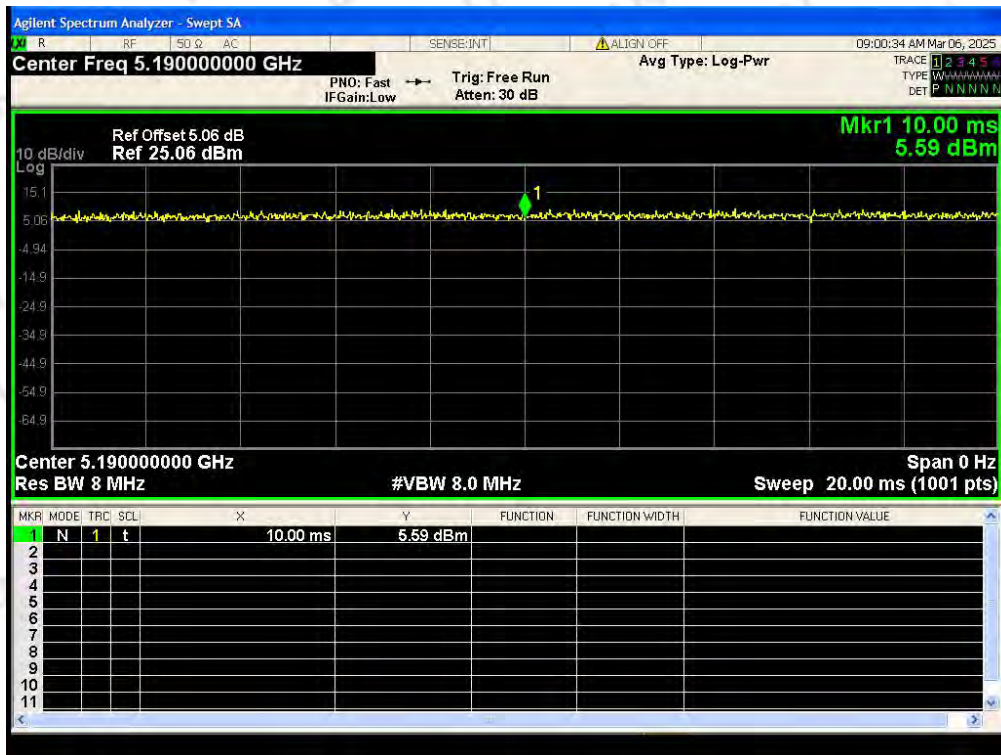
Duty Cycle NVNT 802.1n(HT20) 5200MHz



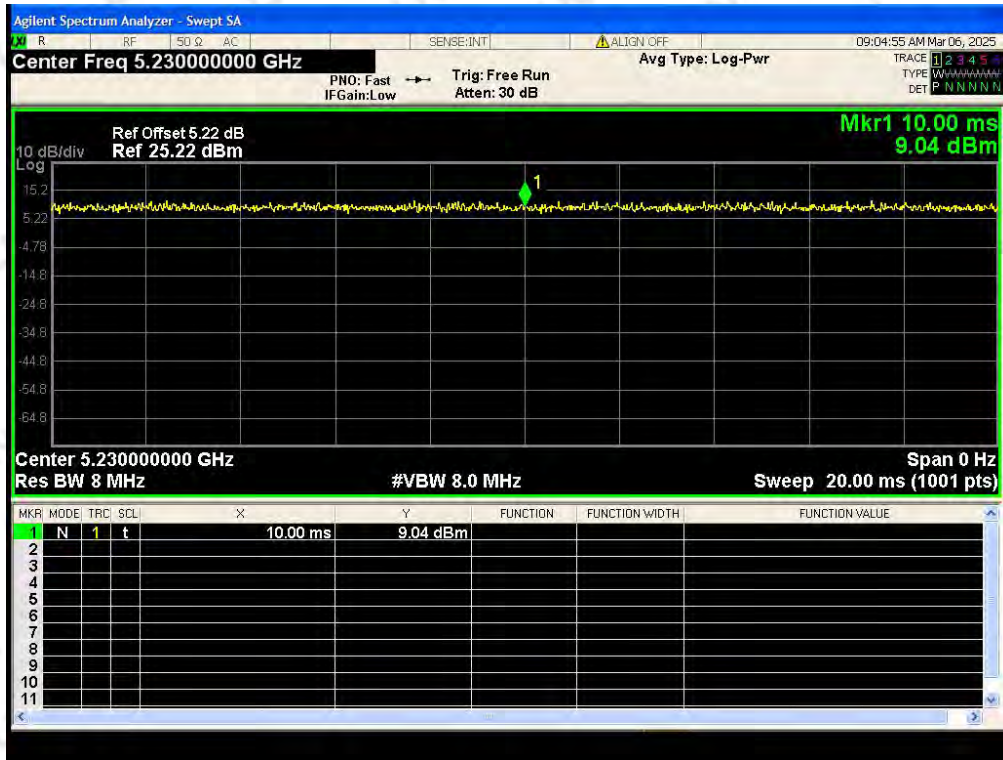
Duty Cycle NVNT 802.1n(HT20) 5240MHz



Duty Cycle NVNT 802.1n(HT40) 5190MHz



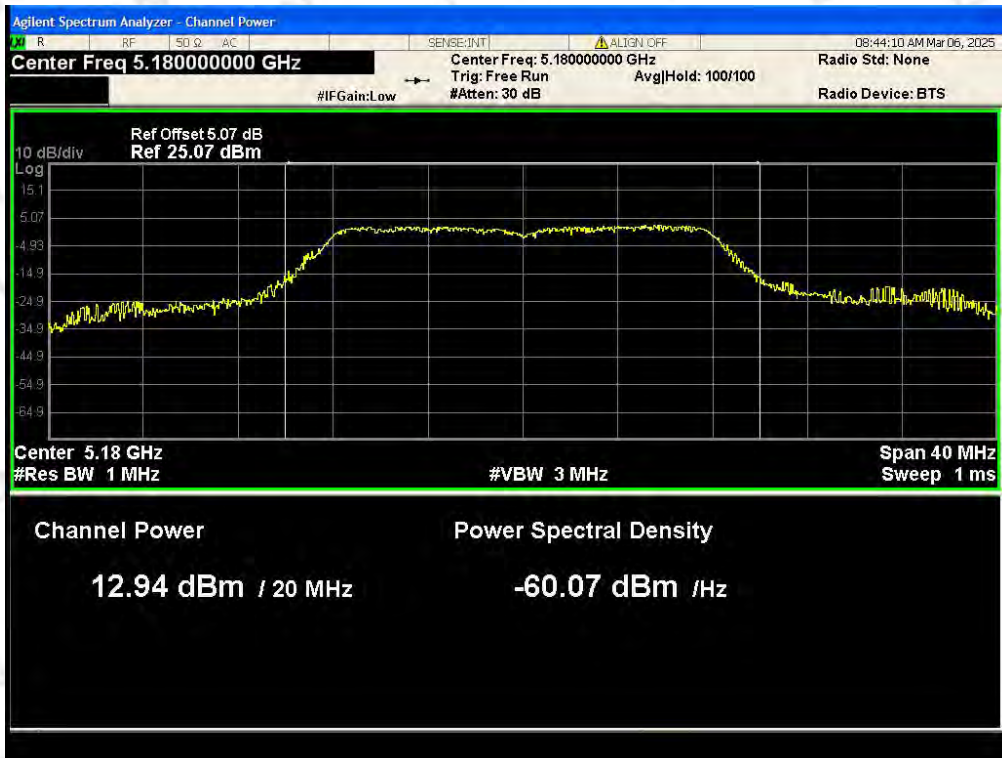
Duty Cycle NVNT 802.11n(HT40) 5230MHz



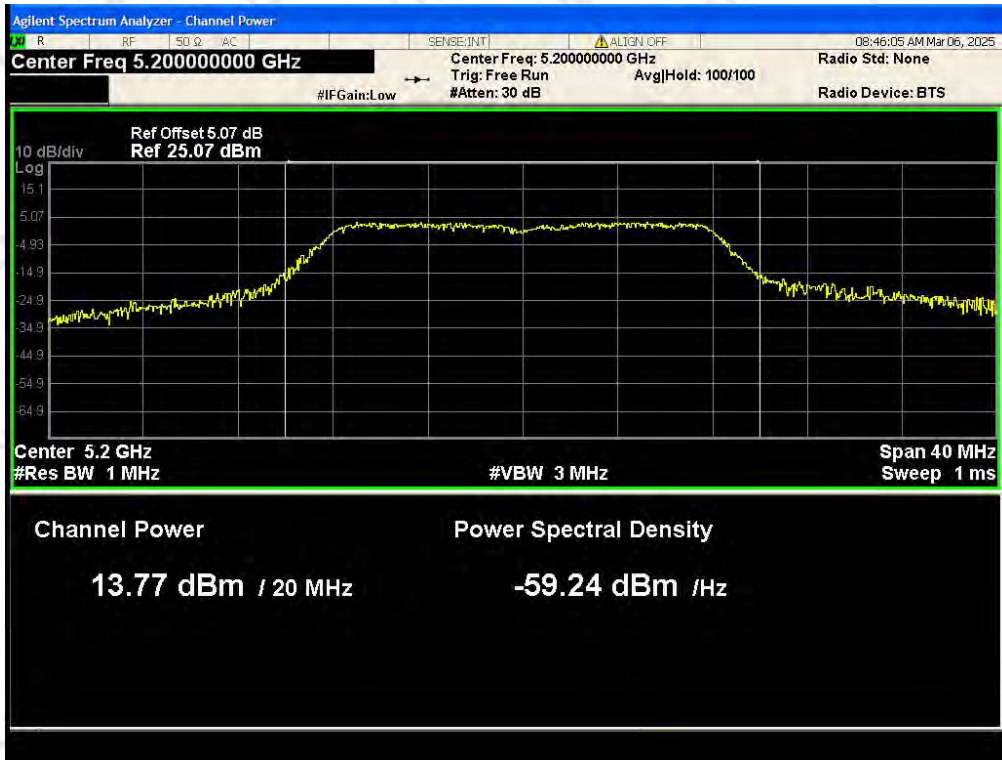
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	12.94	0	12.94	24	Pass
NVNT	802.11a	5200	Ant 1	13.77	0	13.77	24	Pass
NVNT	802.11a	5240	Ant 1	12.65	0	12.65	24	Pass
NVNT	802.11ac20	5180	Ant 1	14.36	0	14.36	24	Pass
NVNT	802.11ac20	5200	Ant 1	13.68	0	13.68	24	Pass
NVNT	802.11ac20	5240	Ant 1	12.73	0	12.73	24	Pass
NVNT	802.11ac40	5190	Ant 1	13.43	0	13.43	24	Pass
NVNT	802.11ac40	5230	Ant 1	15.40	0	15.40	24	Pass
NVNT	802.11ac80	5210	Ant 1	15.67	0	15.67	24	Pass
NVNT	802.11n(HT20)	5180	Ant 1	12.96	0	12.96	24	Pass
NVNT	802.11n(HT20)	5200	Ant 1	11.12	0	11.12	24	Pass
NVNT	802.11n(HT20)	5240	Ant 1	18.95	0	18.95	24	Pass
NVNT	802.11n(HT40)	5190	Ant 1	13.49	0	13.49	24	Pass
NVNT	802.11n(HT40)	5230	Ant 1	15.54	0	15.54	24	Pass

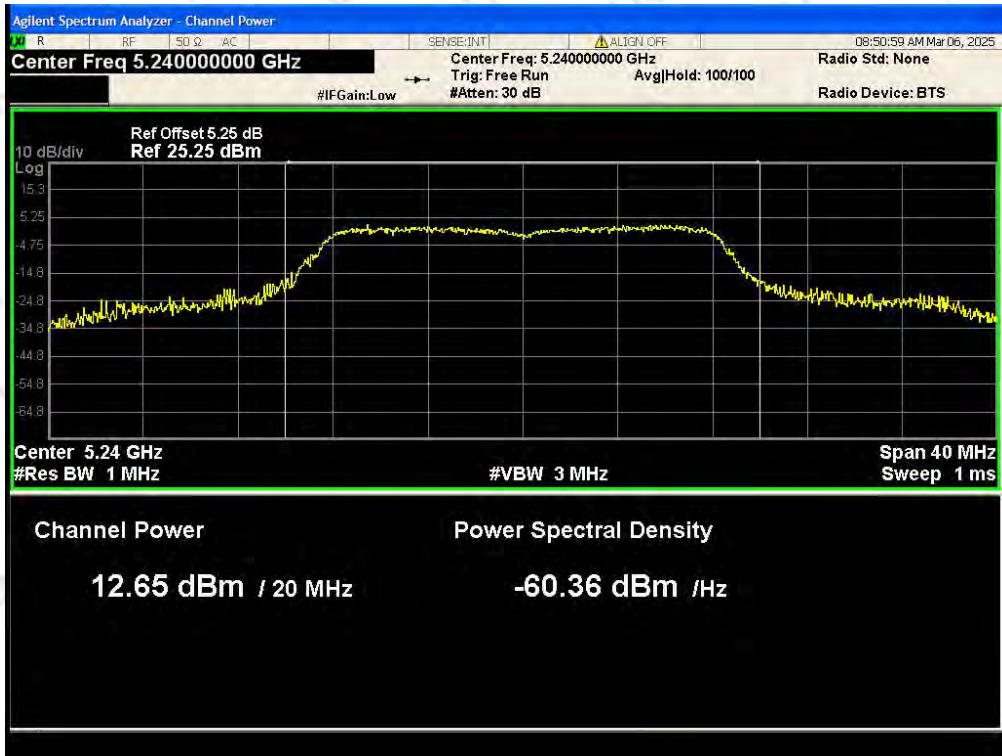
Power NVNT 802.11a 5180MHz Ant1



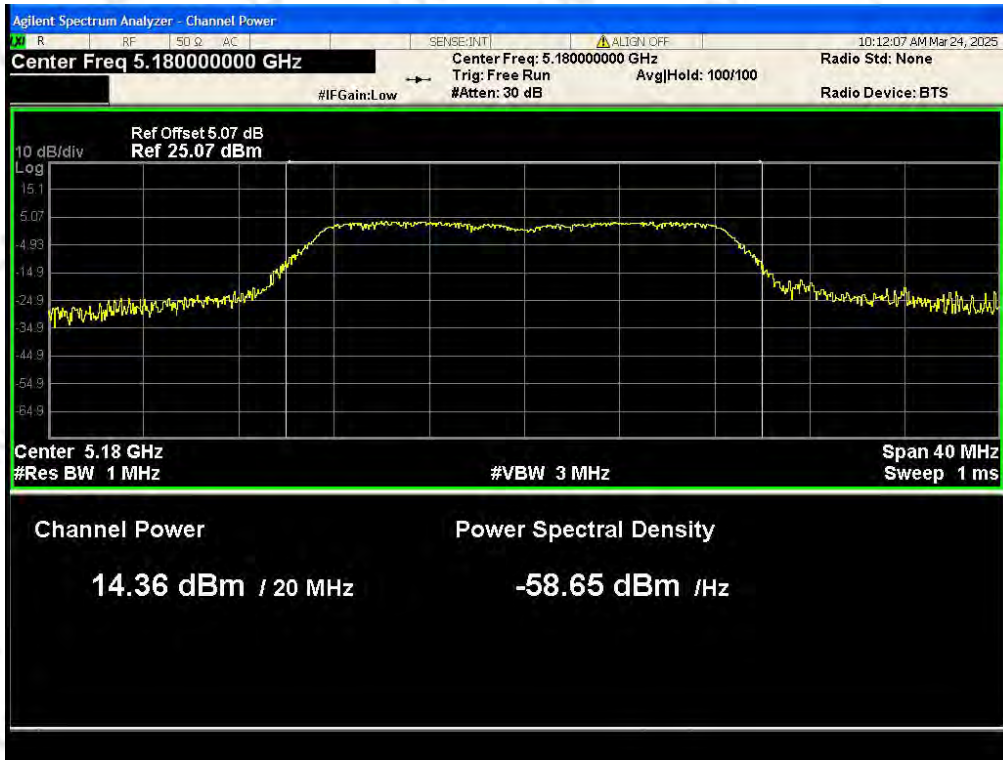
Power NVNT 802.11a 5200MHz Ant1



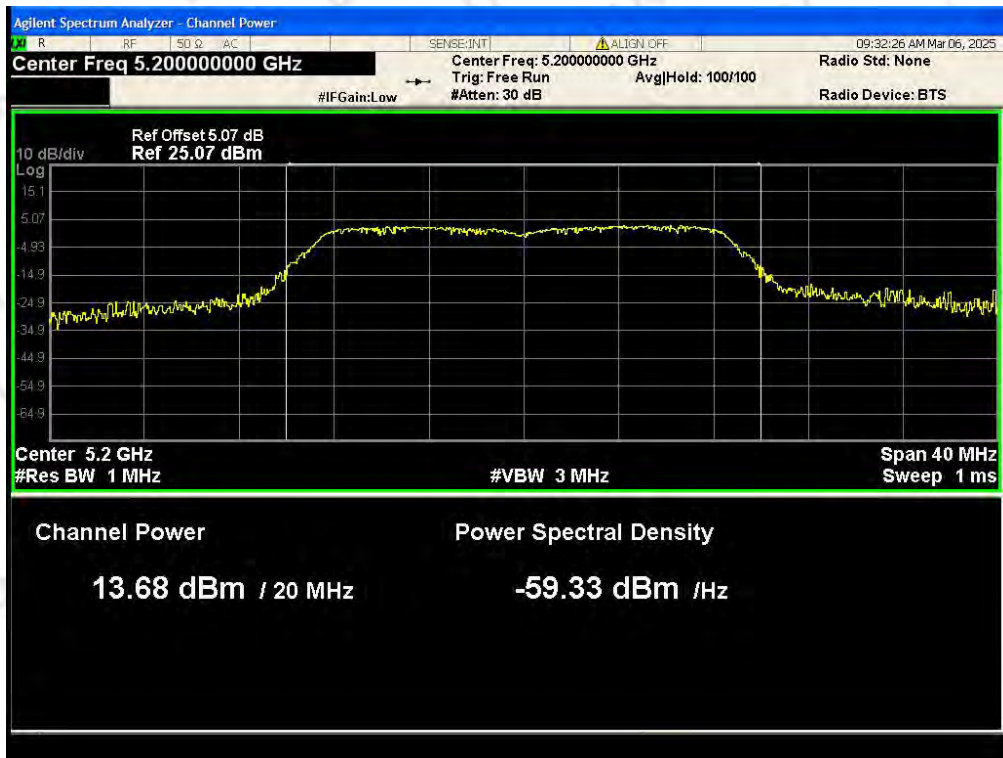
Power NVNT 802.11a 5240MHz Ant1



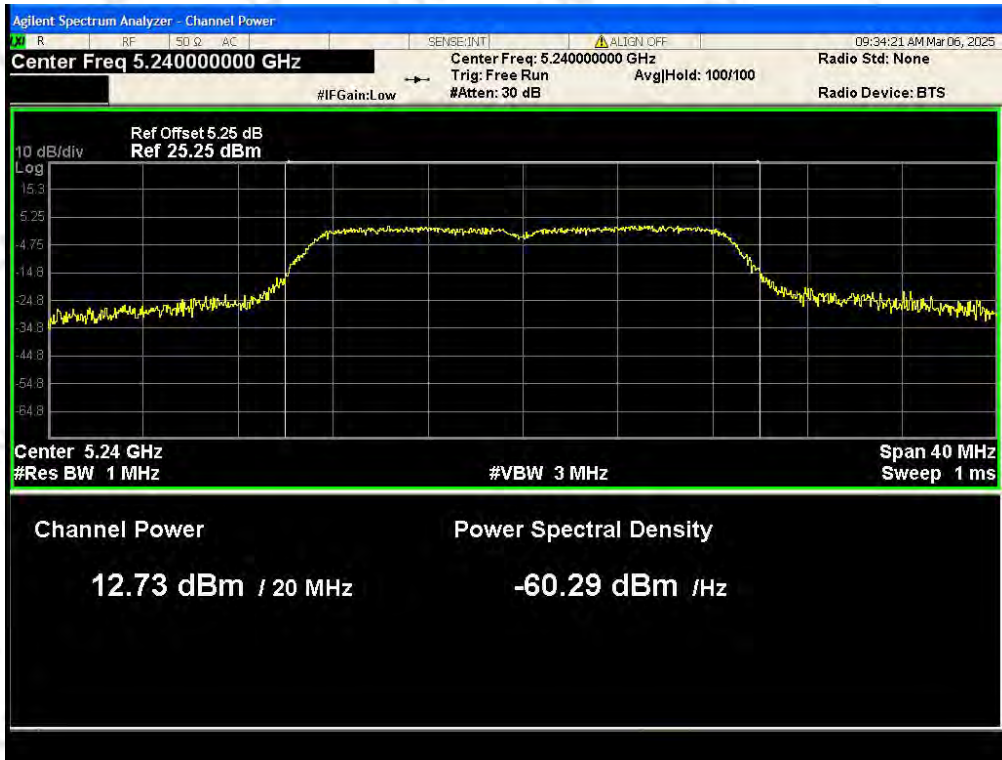
Power NVNT 802.11ac20 5180MHz Ant1



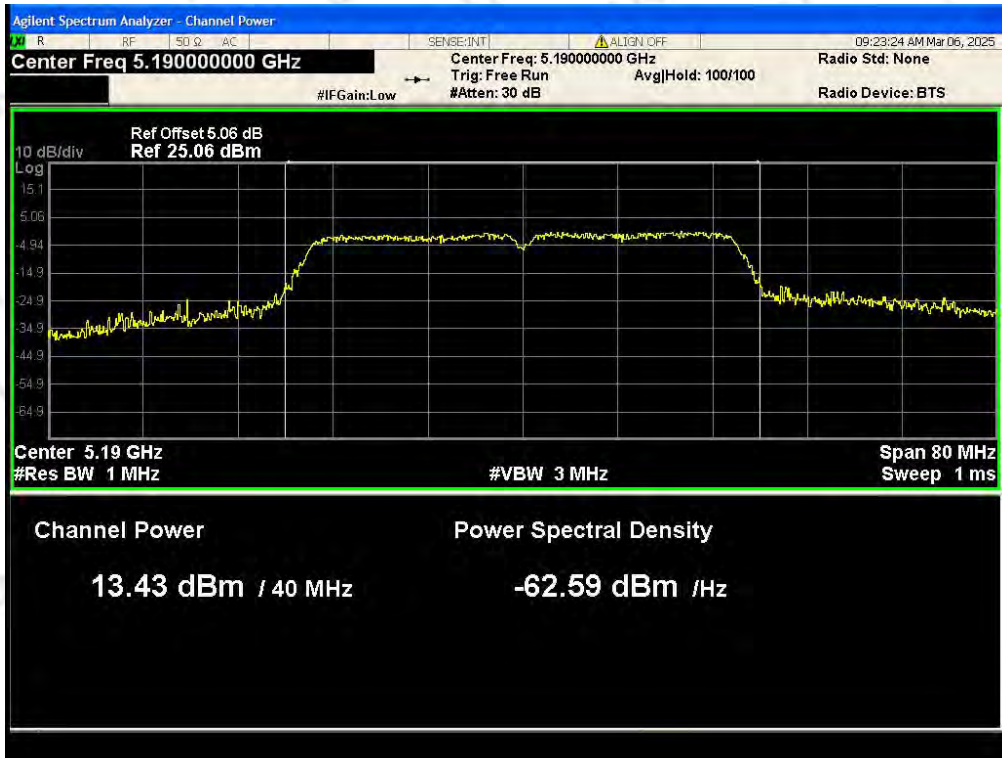
Power NVNT 802.11ac20 5200MHz Ant1



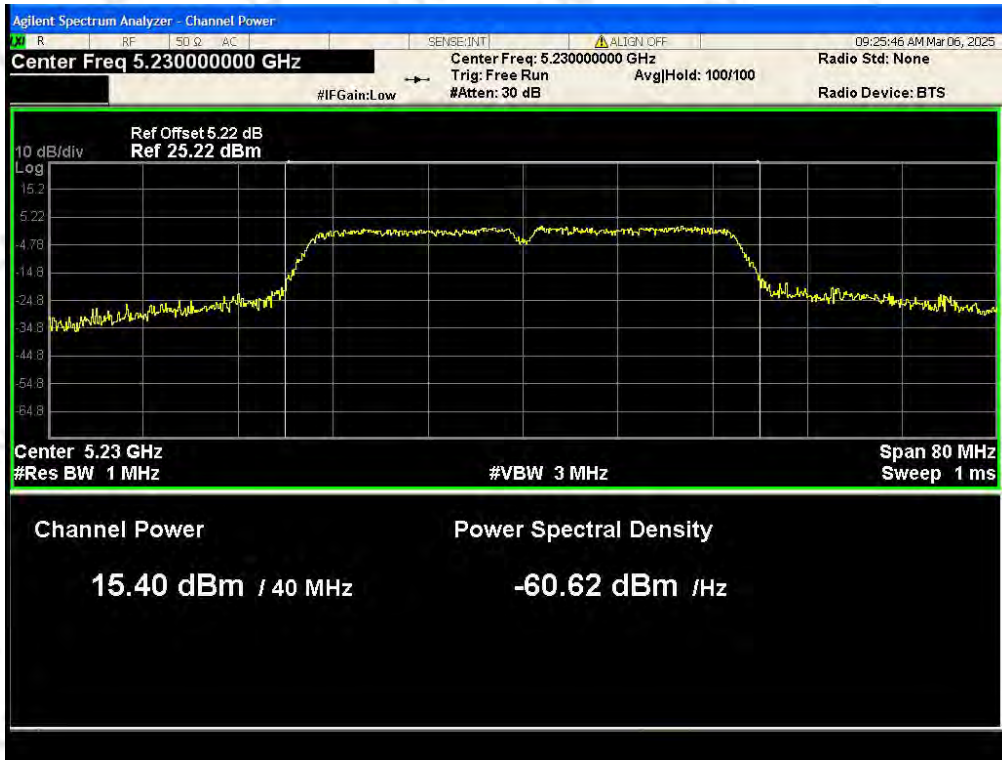
Power NVNT 802.11ac20 5240MHz Ant1



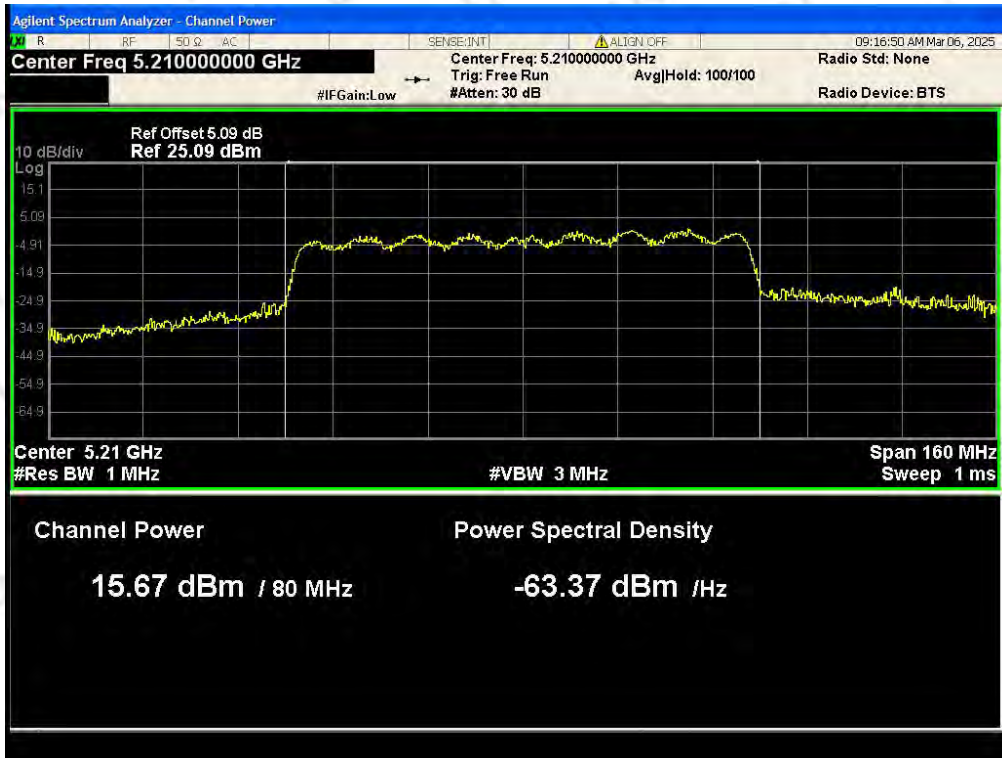
Power NVNT 802.11ac40 5190MHz Ant1



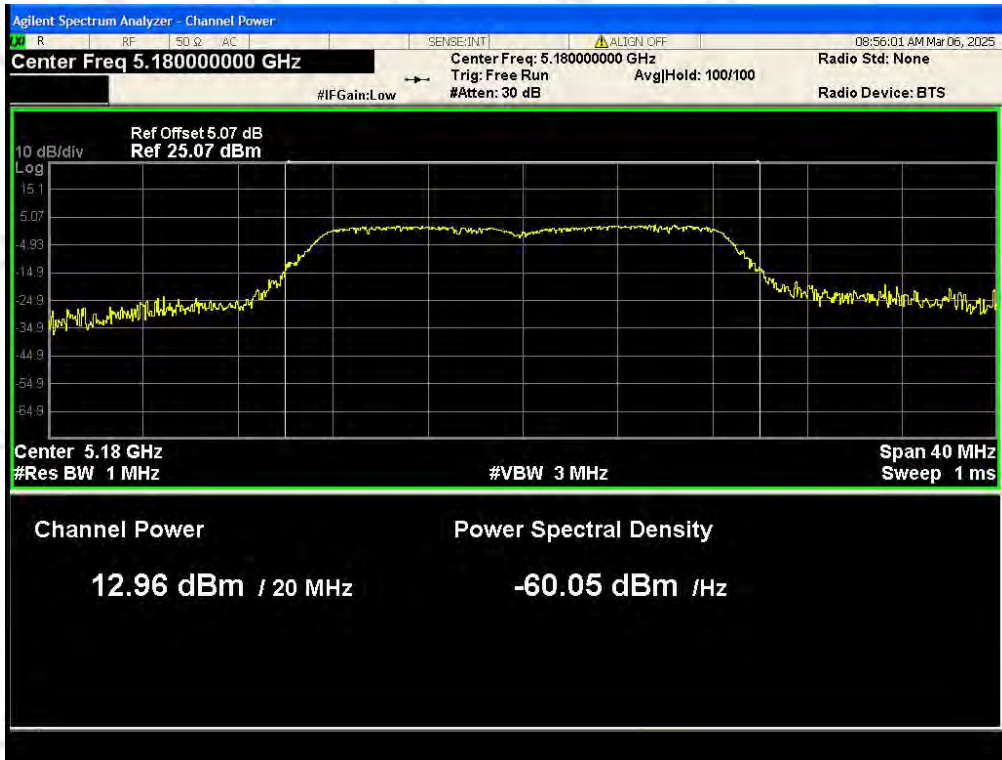
Power NVNT 802.11ac40 5230MHz Ant1



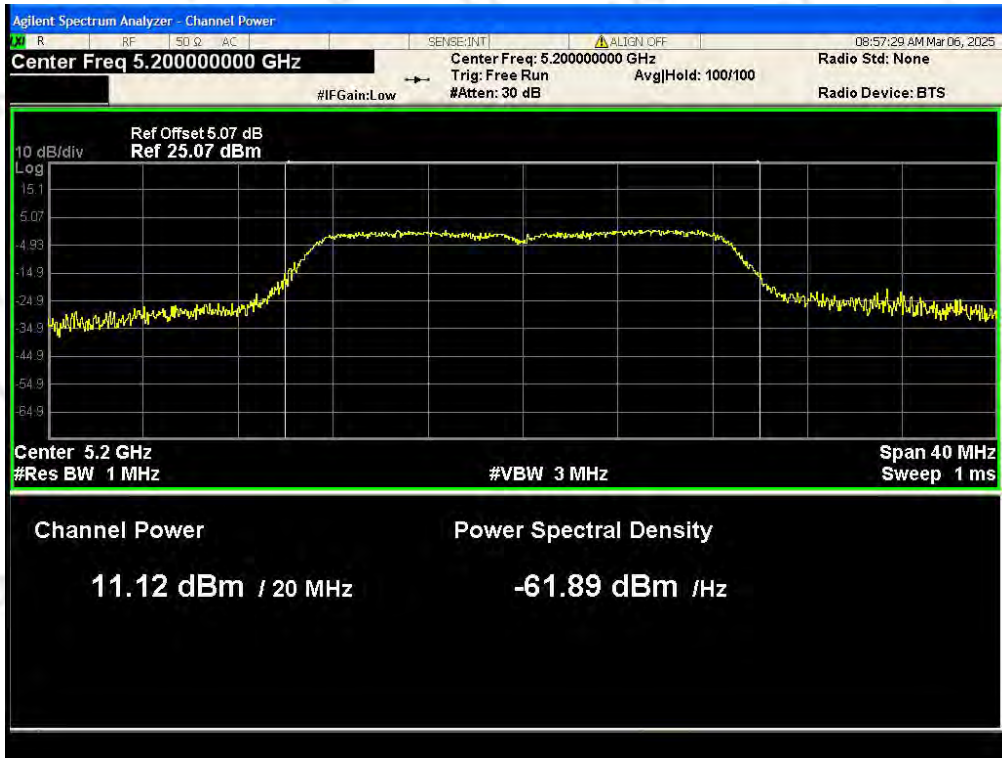
Power NVNT 802.11ac80 5210MHz Ant1



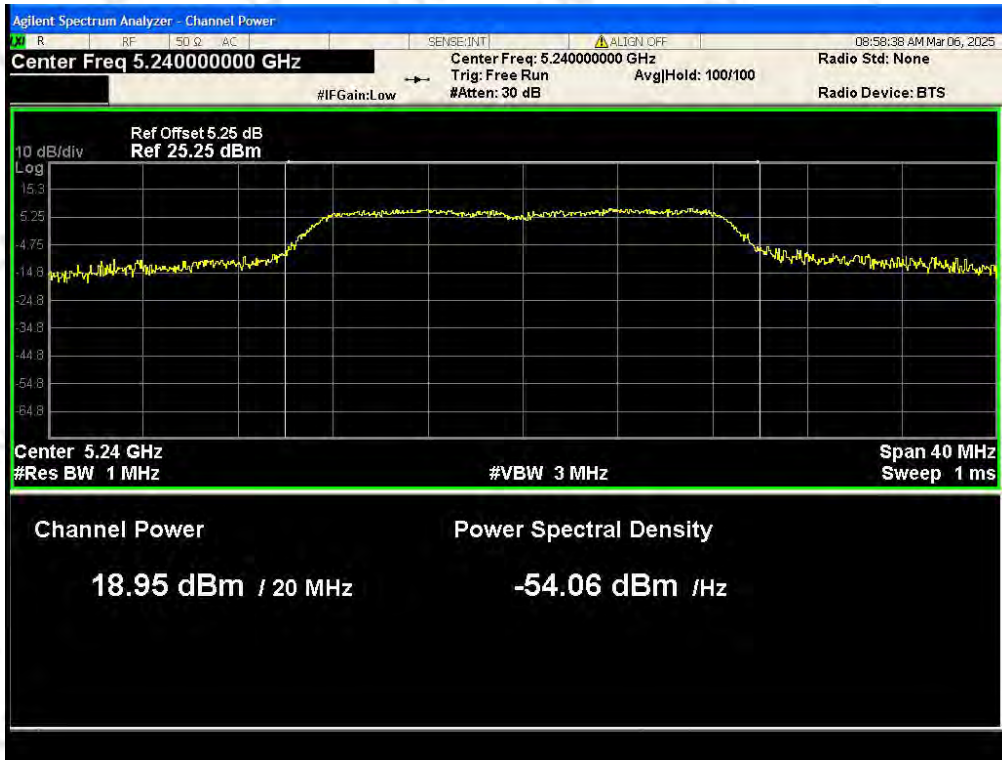
Power NVNT 802.11n(HT20) 5180MHz Ant1



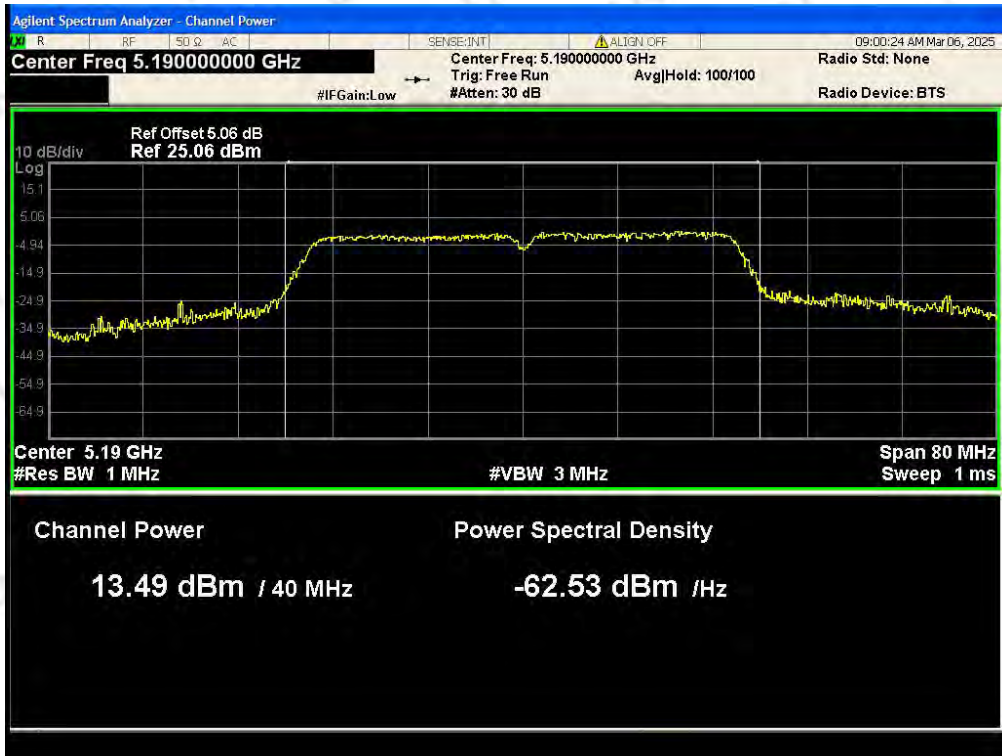
Power NVNT 802.11n(HT20) 5200MHz Ant1



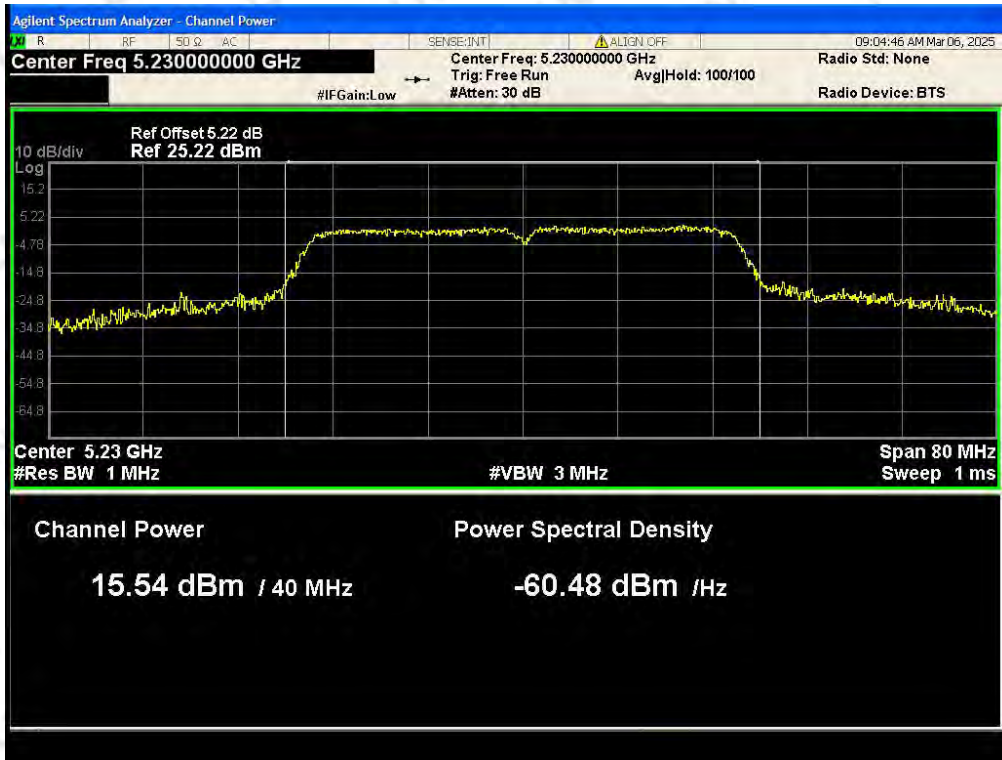
Power NVNT 802.11n(HT20) 5240MHz Ant1



Power NVNT 802.11n(HT40) 5190MHz Ant1



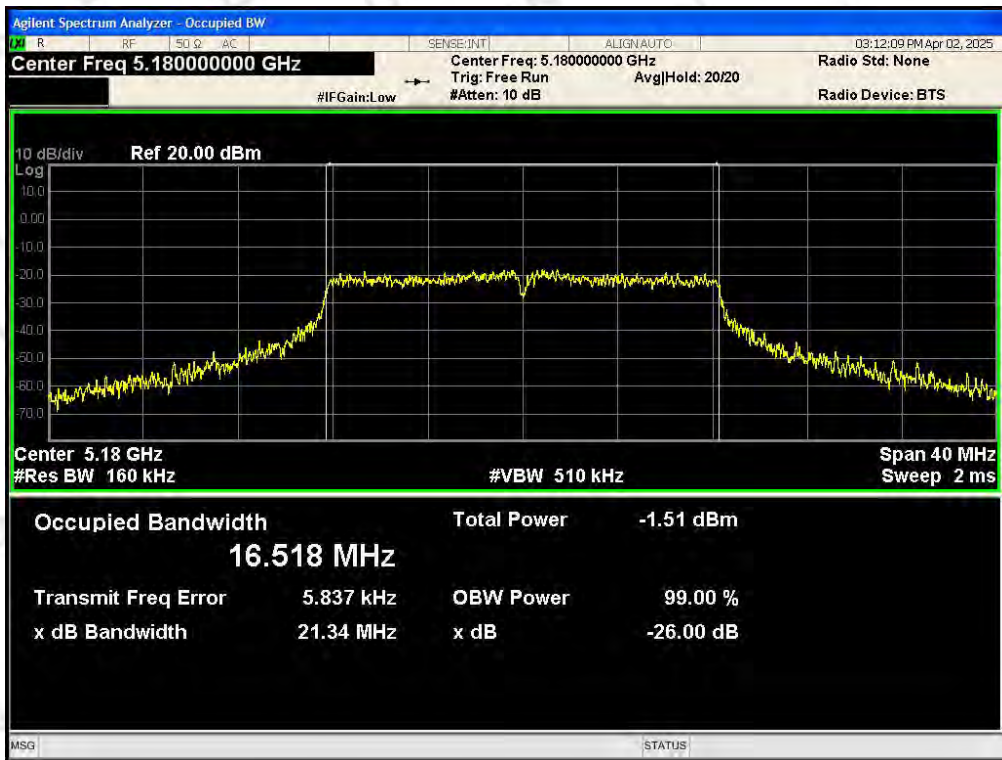
Power NVNT 802.11n(HT40) 5230MHz Ant1



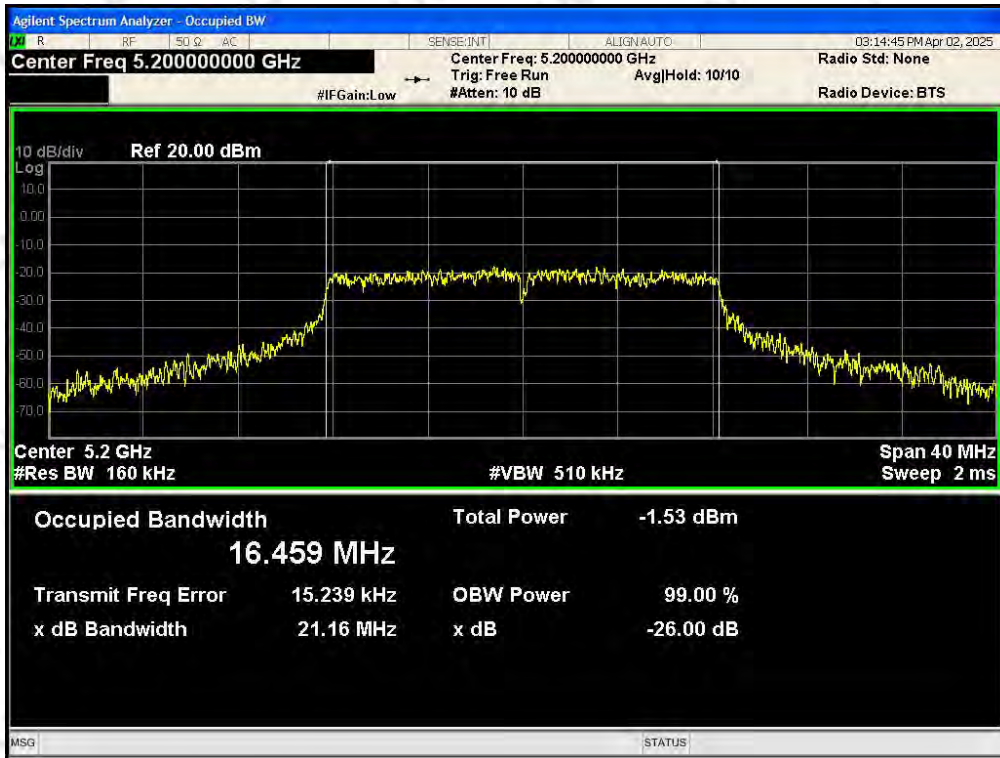
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Verdict
NVNT	802.11a	5180	Ant 1	16.518	Pass
NVNT	802.11a	5200	Ant 1	16.459	Pass
NVNT	802.11a	5240	Ant 1	16.520	Pass
NVNT	802.11ac20	5180	Ant 1	17.734	Pass
NVNT	802.11ac20	5200	Ant 1	17.744	Pass
NVNT	802.11ac20	5240	Ant 1	17.763	Pass
NVNT	802.11ac40	5190	Ant 1	36.041	Pass
NVNT	802.11ac40	5230	Ant 1	36.040	Pass
NVNT	802.11ac80	5210	Ant 1	75.721	Pass
NVNT	802.11n(HT20)	5180	Ant 1	17.729	Pass
NVNT	802.11n(HT20)	5200	Ant 1	17.676	Pass
NVNT	802.11n(HT20)	5240	Ant 1	17.700	Pass
NVNT	802.11n(HT40)	5190	Ant 1	35.940	Pass
NVNT	802.11n(HT40)	5230	Ant 1	36.020	Pass

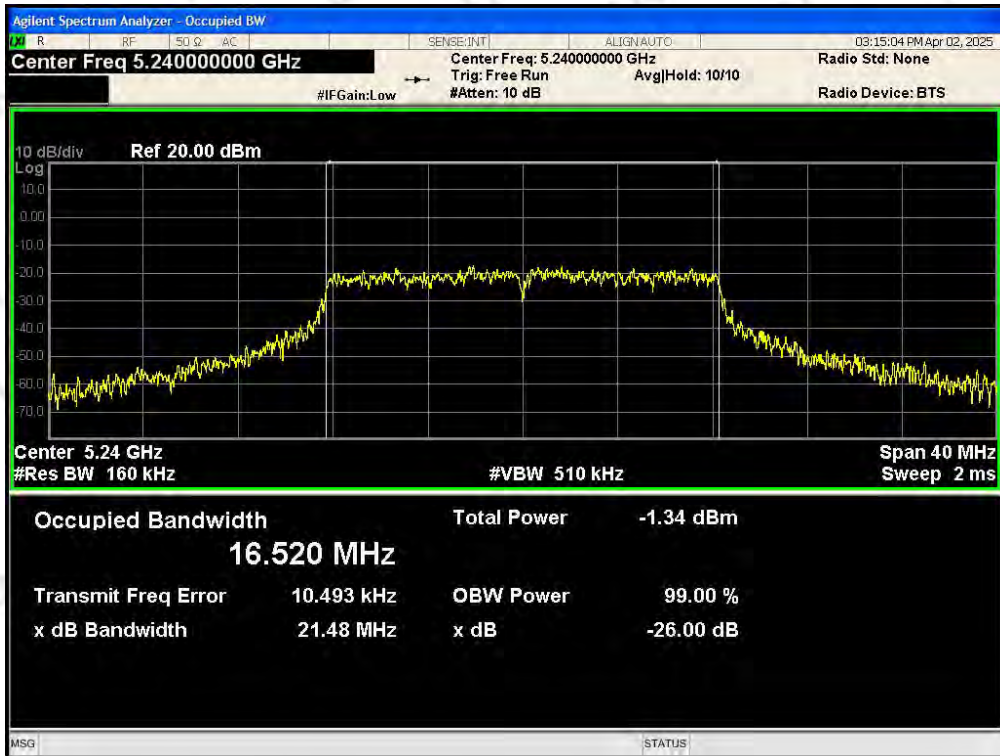
OBW NVNT 802.11a 5180MHz Ant1



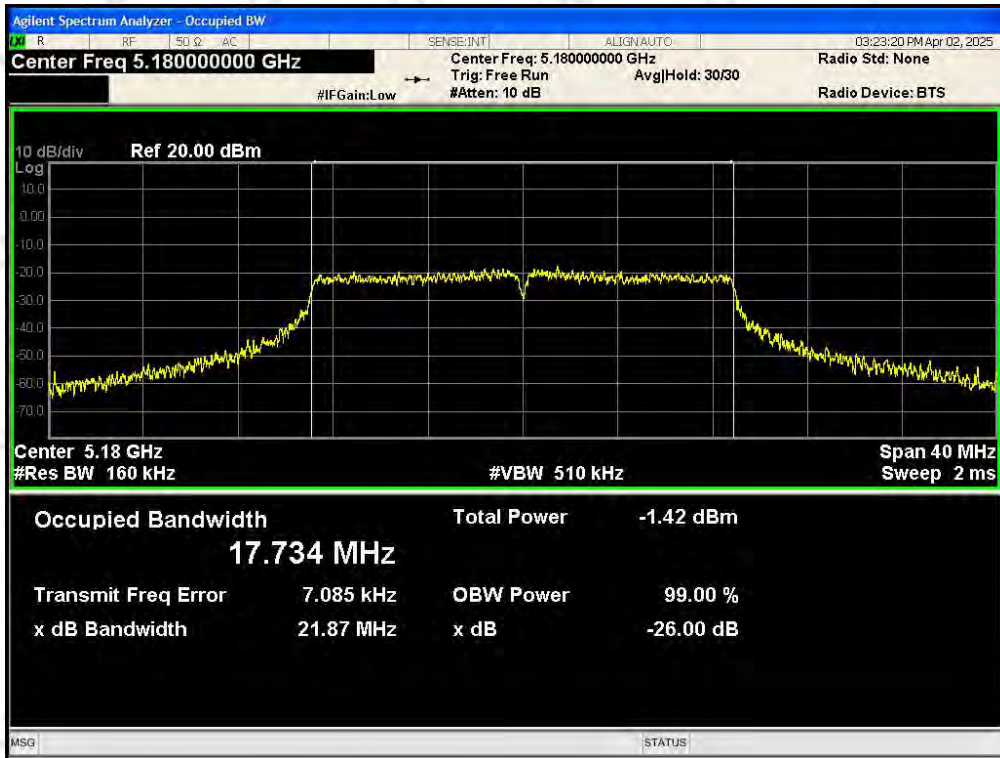
OBW NVNT 802.11a 5200MHz Ant1



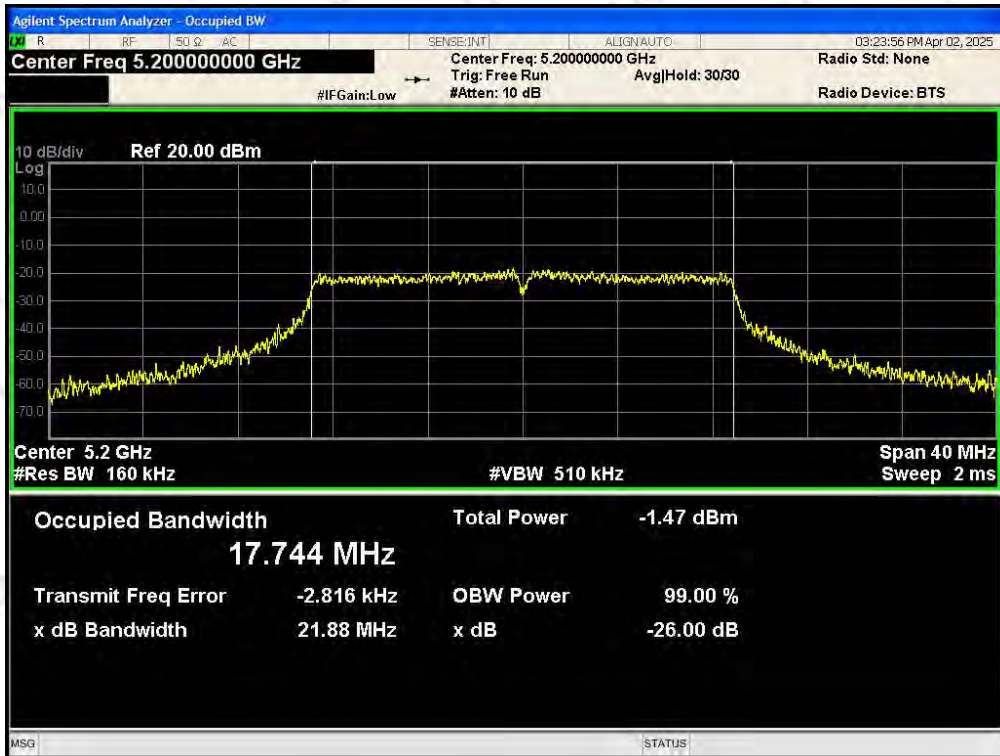
OBW NVNT 802.11a 5240MHz Ant1



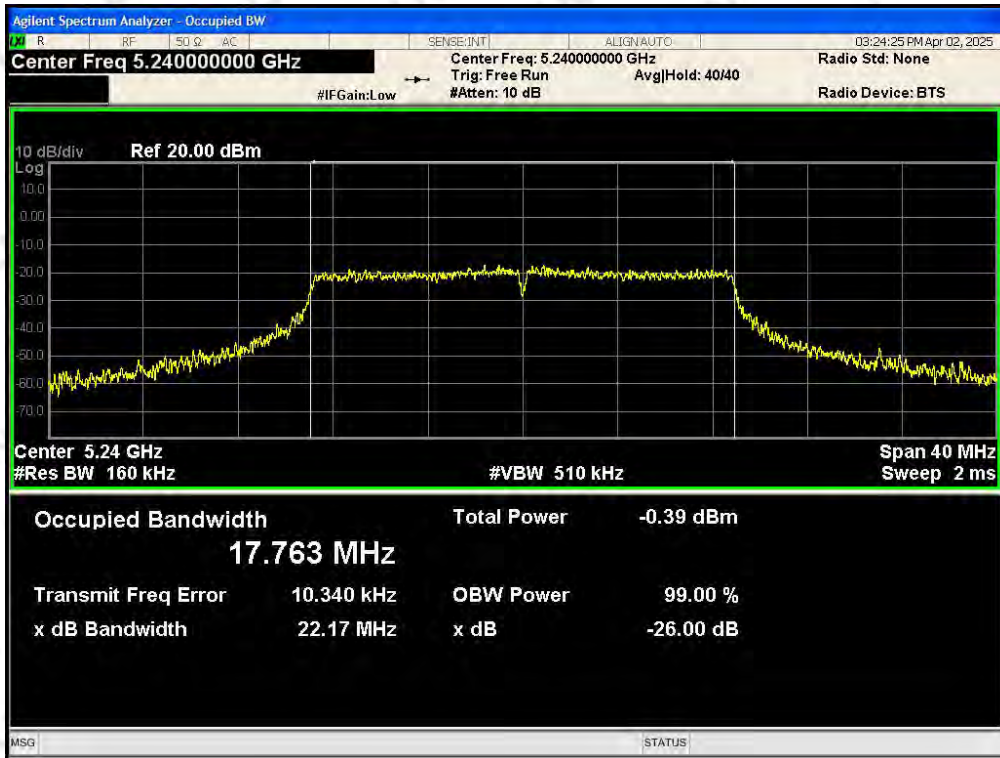
OBW NVNT 802.11ac20 5180MHz Ant1



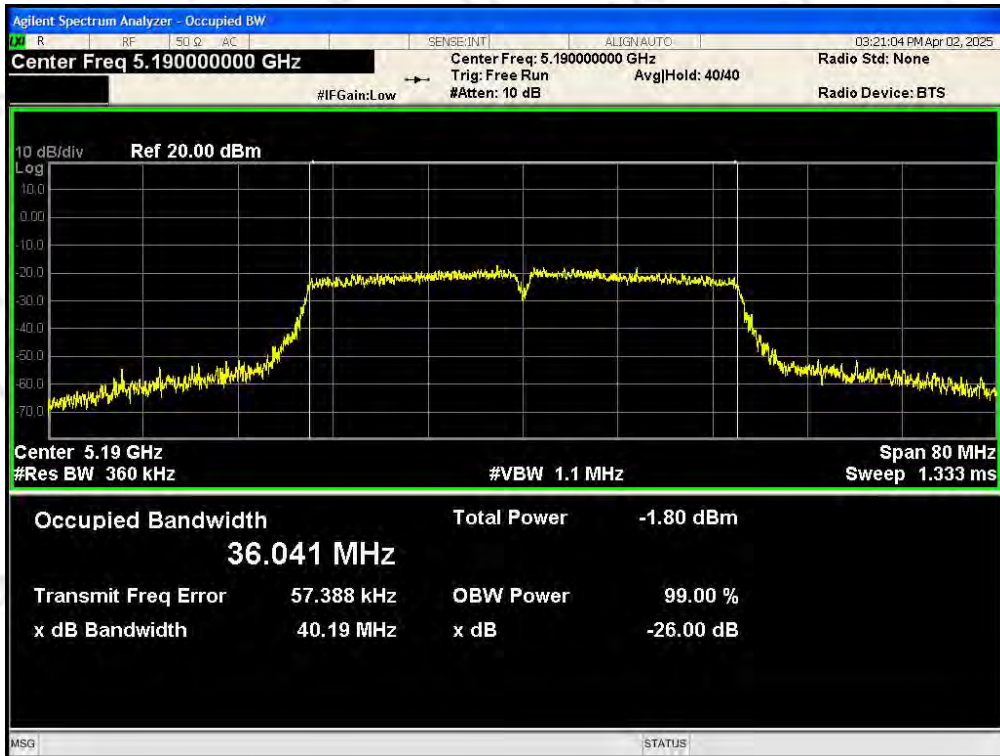
OBW NVNT 802.11ac20 5200MHz Ant1



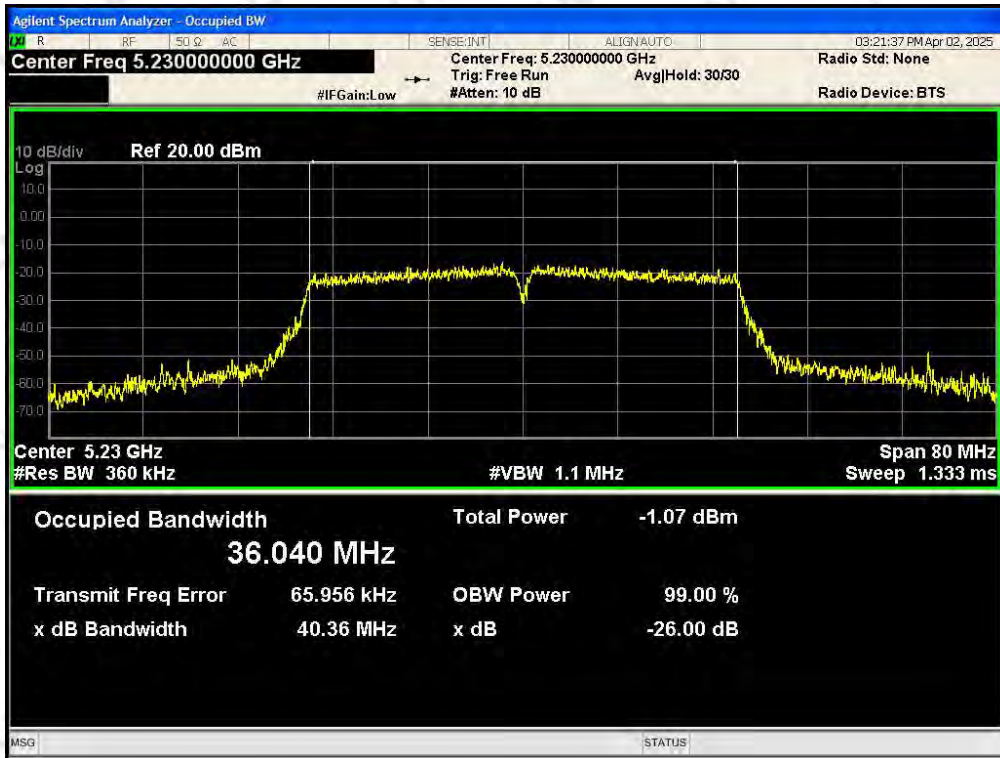
OBW NVNT 802.11ac20 5240MHz Ant1



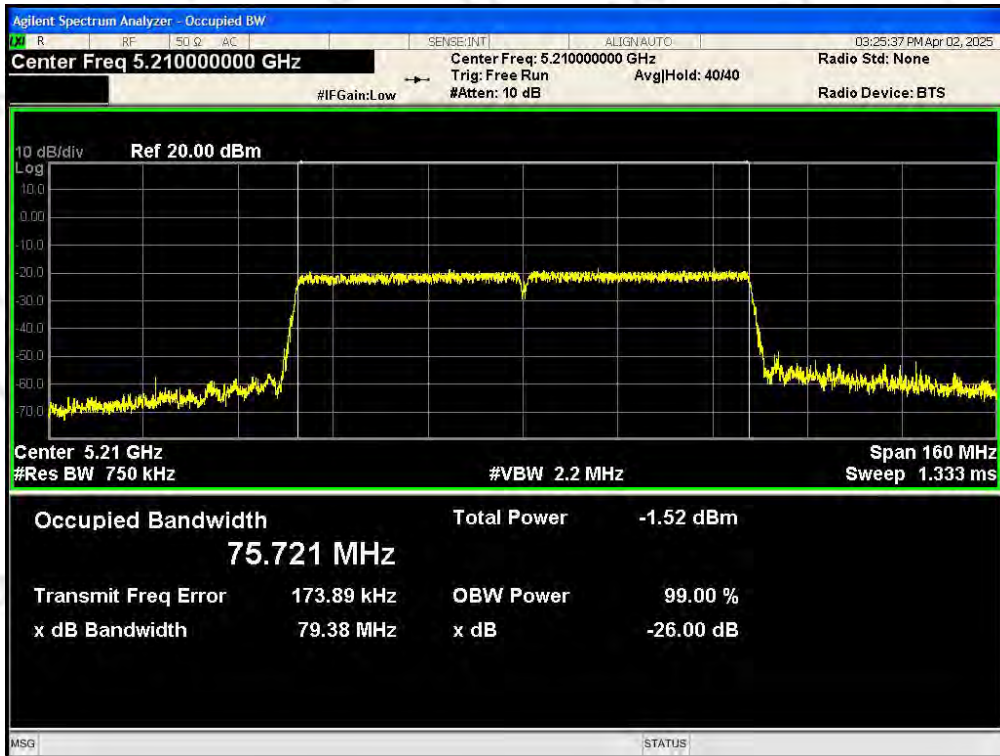
OBW NVNT 802.11ac40 5190MHz Ant1



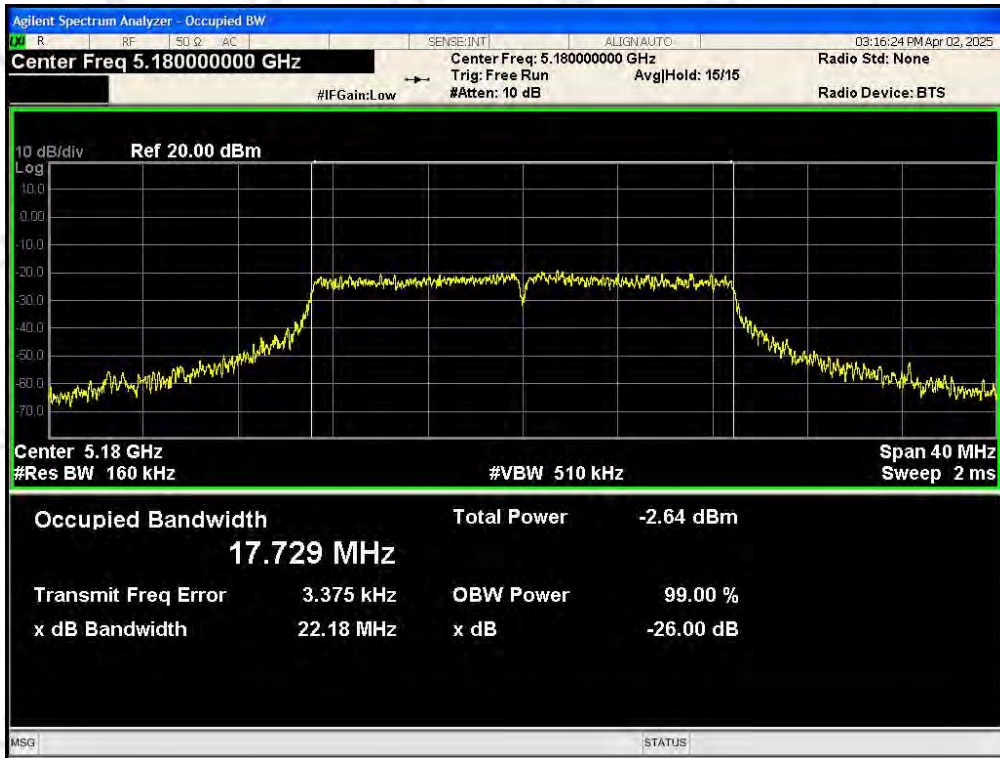
OBW NVNT 802.11ac40 5230MHz Ant1



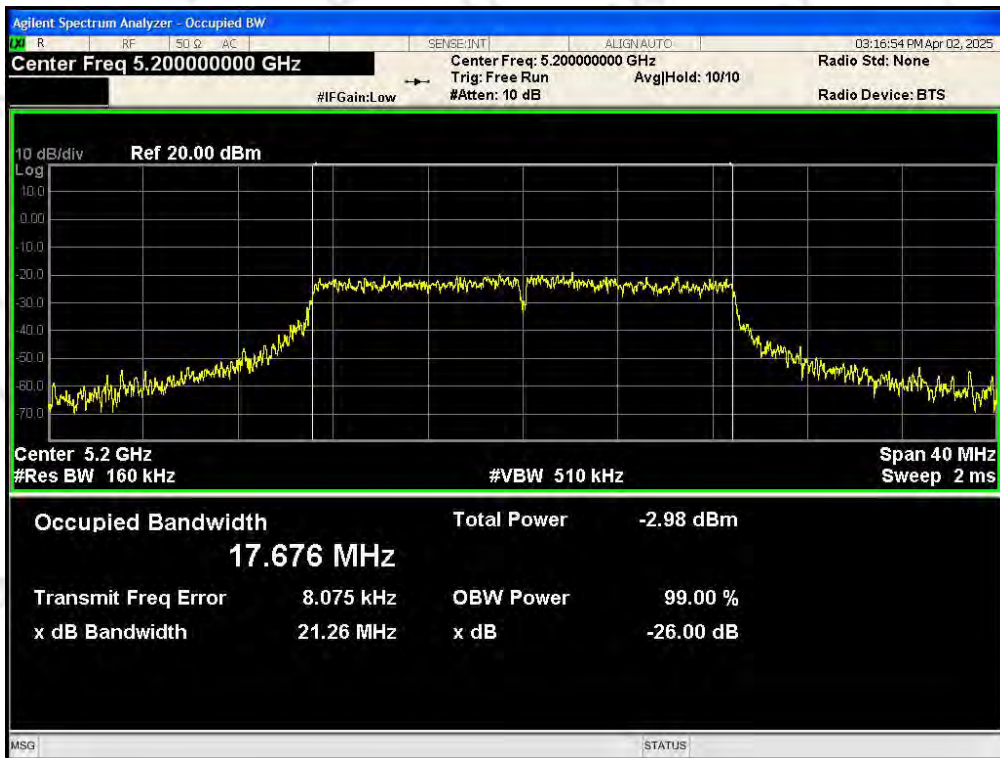
OBW NVNT 802.11ac80 5210MHz Ant1



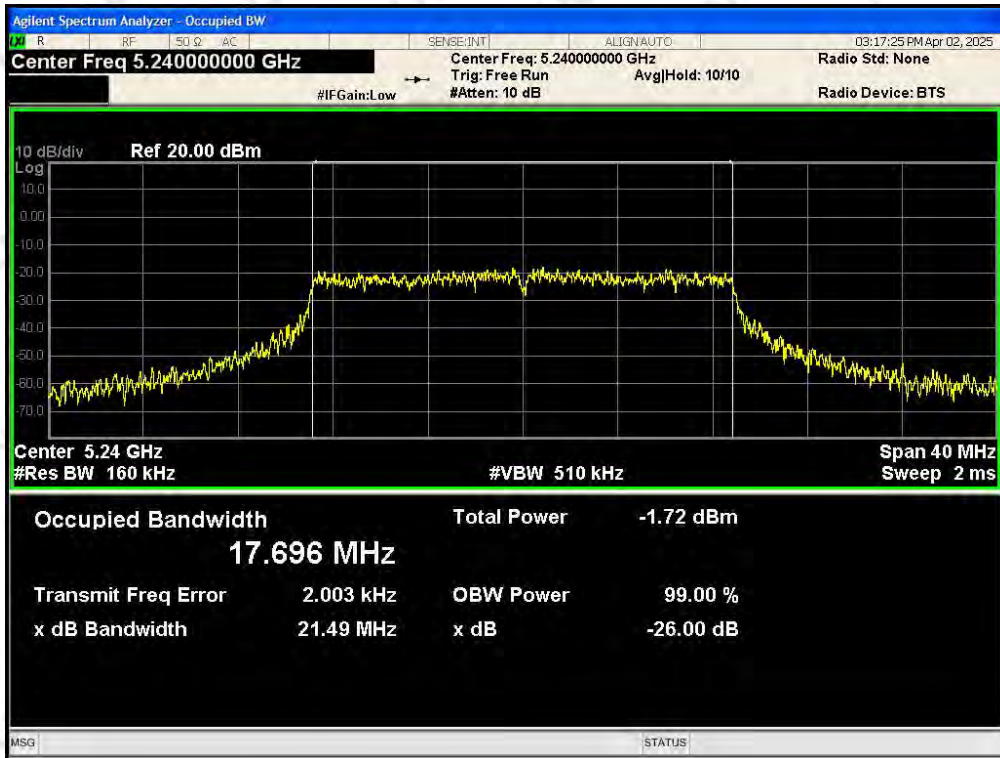
OBW NVNT 802.1n(HT20) 5180MHz Ant1



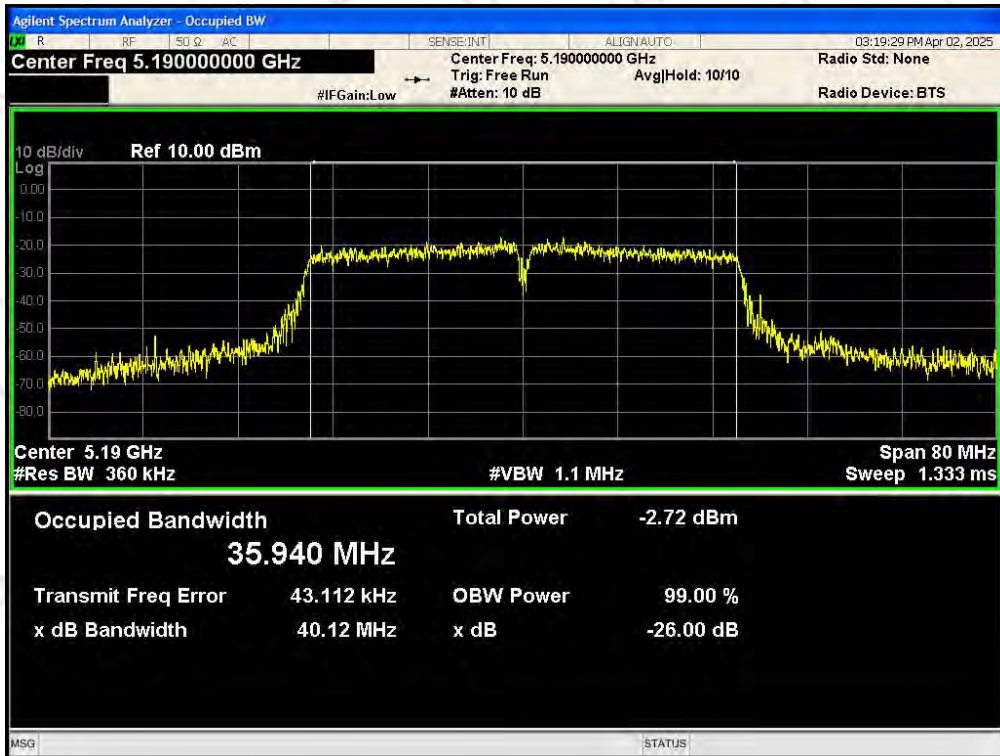
OBW NVNT 802.1n(HT20) 5200MHz Ant1



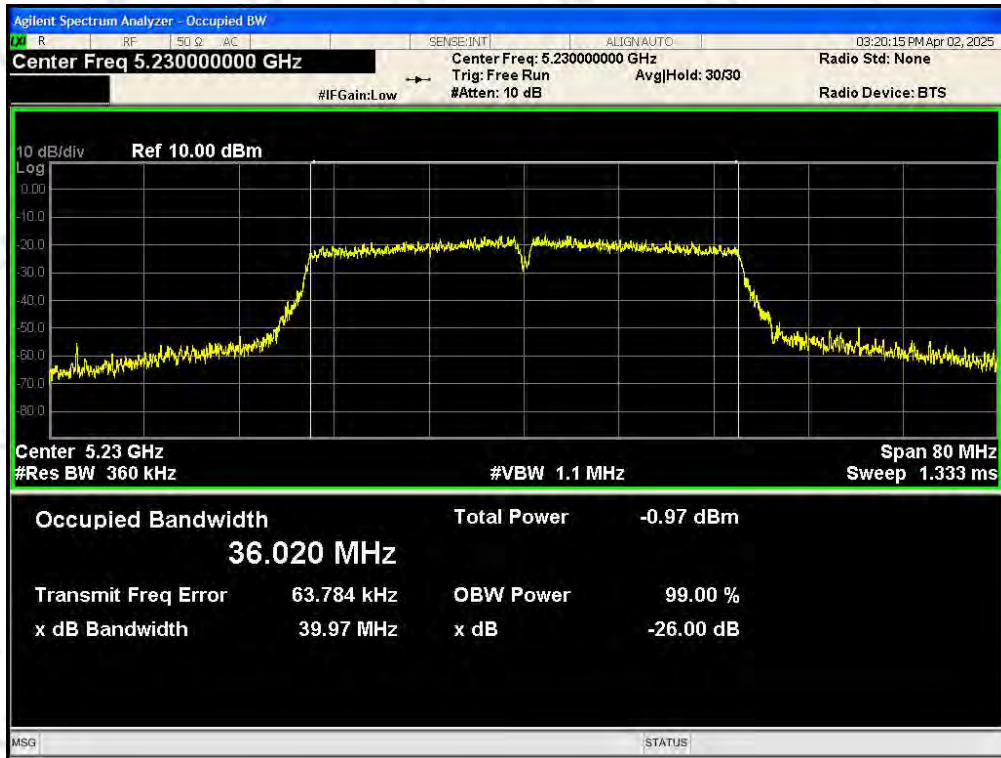
OBV NVNT 802.11n(HT20) 5240MHz Ant1



OBV NVNT 802.11n(HT40) 5190MHz Ant1



OBW NVNT 802.11n(HT40) 5230MHz Ant1



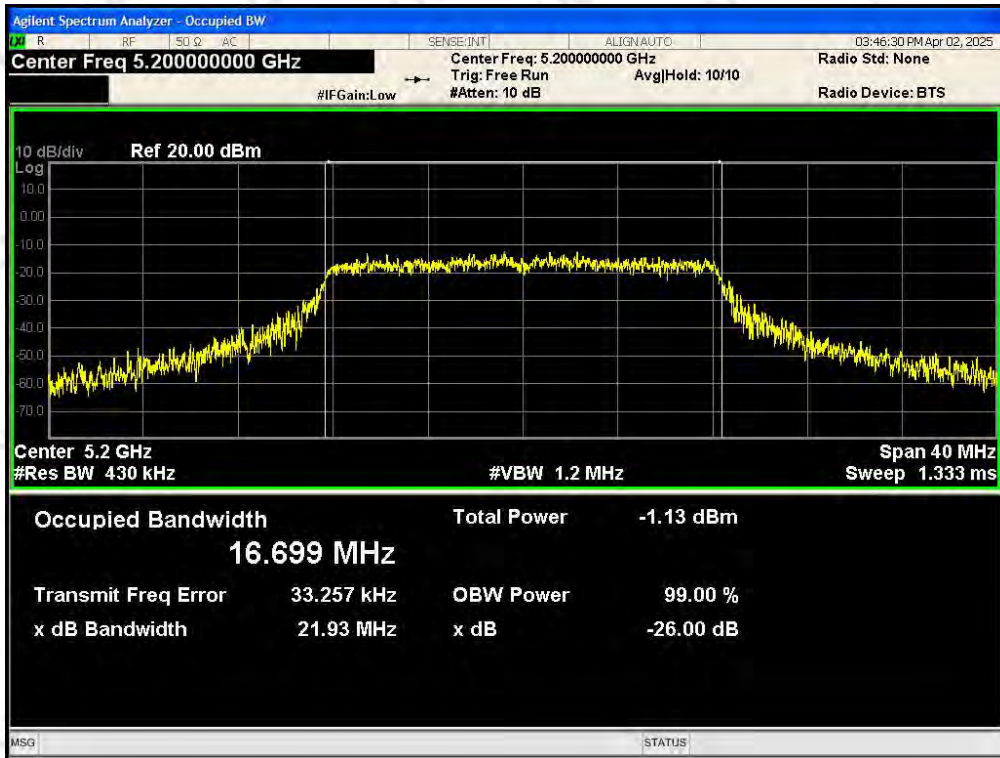
-26 dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5180	Ant 1	22.60	N/A	Pass
NVNT	802.11a	5200	Ant 1	21.93	N/A	Pass
NVNT	802.11a	5240	Ant 1	22.02	N/A	Pass
NVNT	802.11ac20	5180	Ant 1	23.96	N/A	Pass
NVNT	802.11ac20	5200	Ant 1	23.55	N/A	Pass
NVNT	802.11ac20	5240	Ant 1	24.21	N/A	Pass
NVNT	802.11ac40	5190	Ant 1	41.39	N/A	Pass
NVNT	802.11ac40	5230	Ant 1	41.02	N/A	Pass
NVNT	802.11ac80	5210	Ant 1	80.72	N/A	Pass
NVNT	802.11n(HT20)	5180	Ant 1	22.57	N/A	Pass
NVNT	802.11n(HT20)	5200	Ant 1	23.62	N/A	Pass
NVNT	802.11n(HT20)	5240	Ant 1	23.46	N/A	Pass
NVNT	802.11n(HT40)	5190	Ant 1	41.13	N/A	Pass
NVNT	802.11n(HT40)	5230	Ant 1	40.89	N/A	Pass

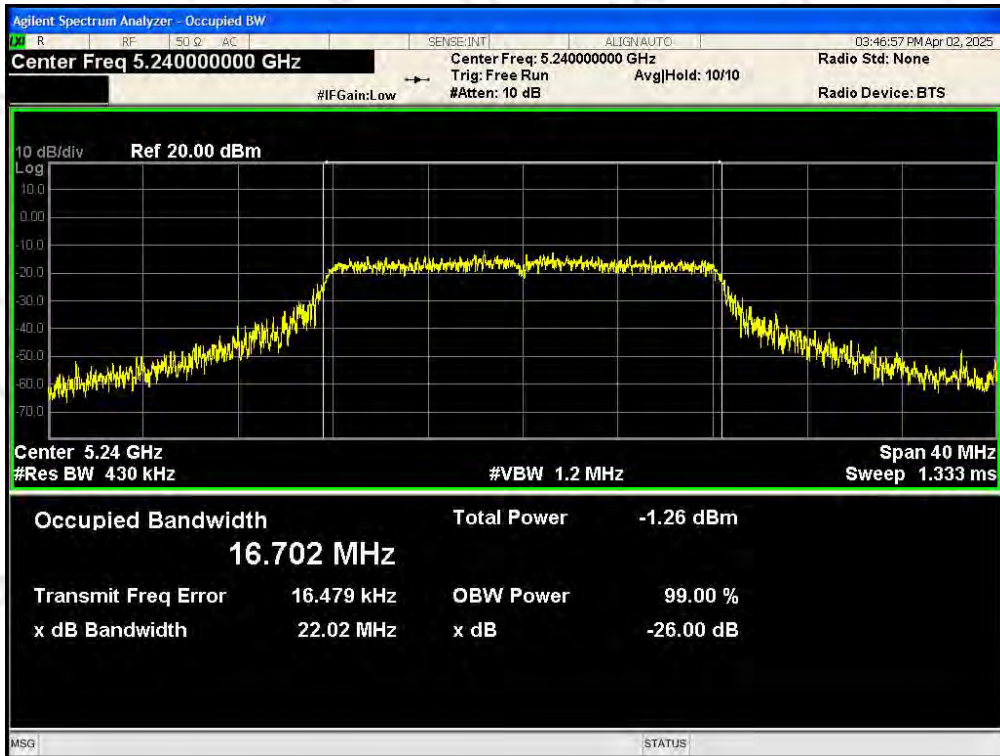
OBW NVNT 802.11a 5180MHz Ant1



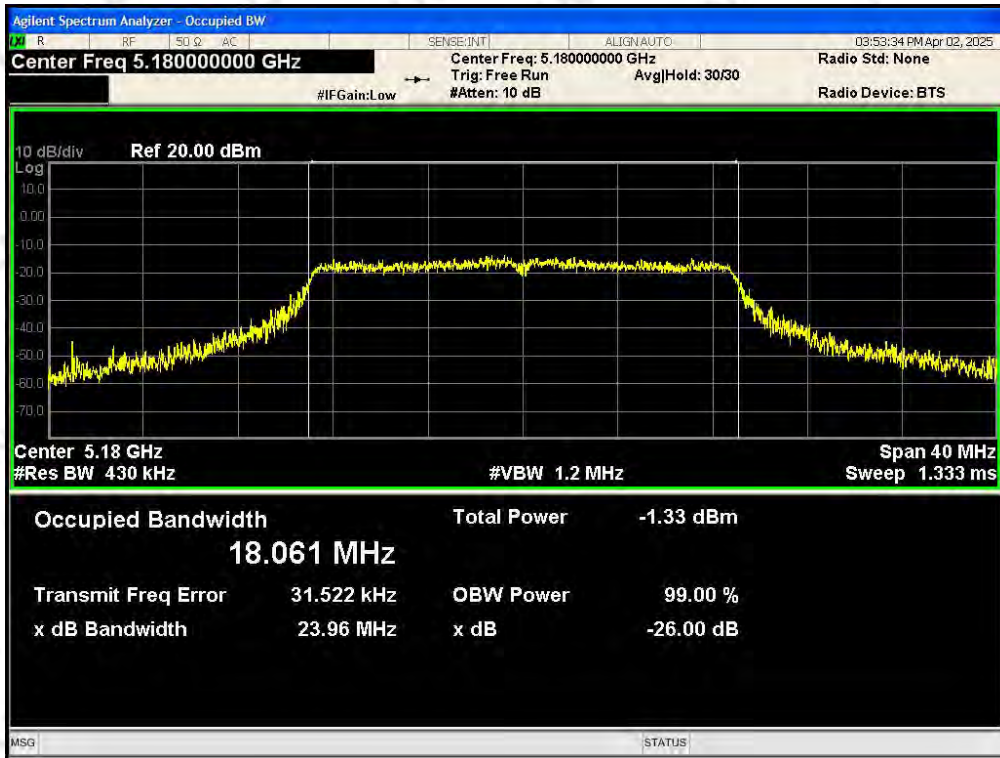
OBW NVNT 802.11a 5200MHz Ant1



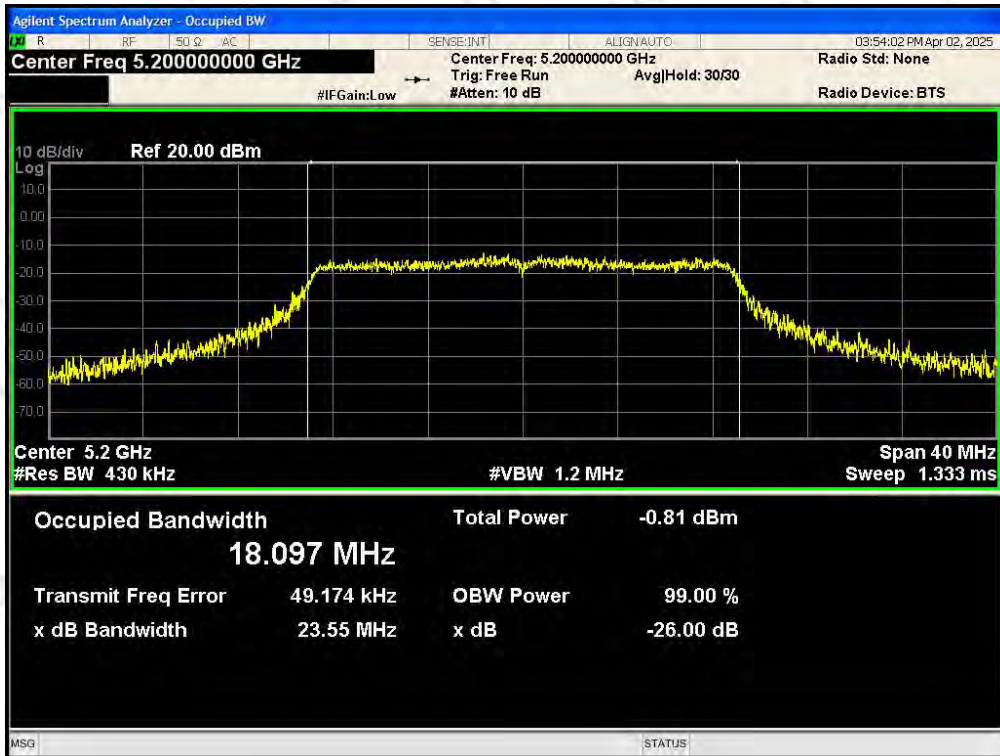
OBW NVNT 802.11a 5240MHz Ant1



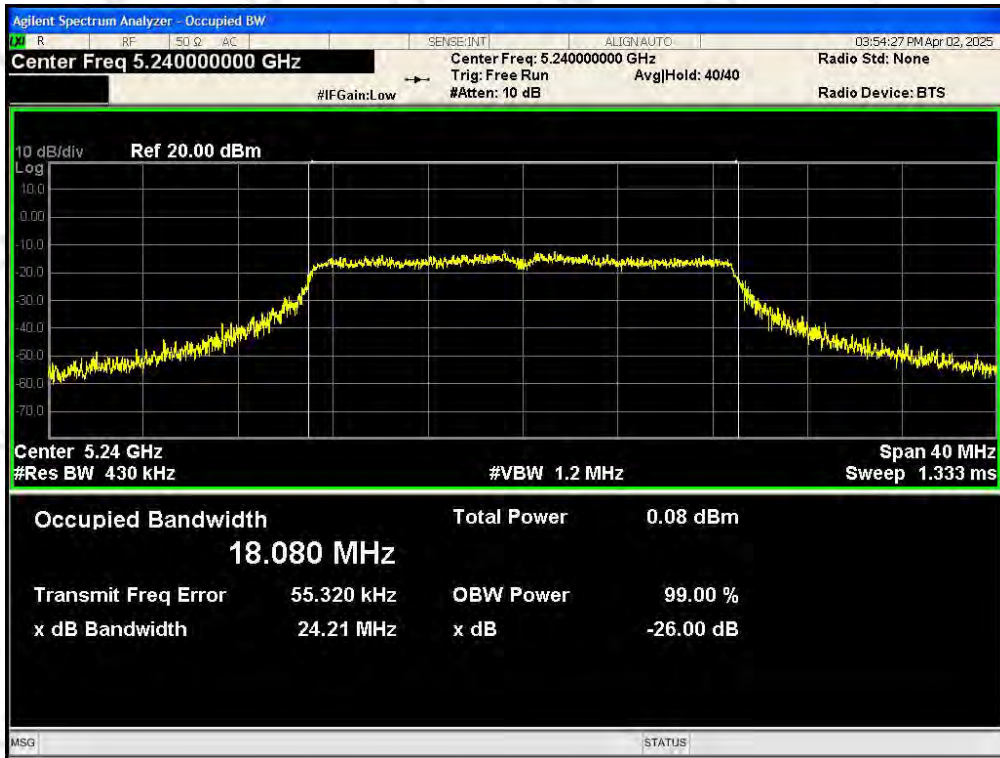
OBW NVNT 802.11ac20 5180MHz Ant1



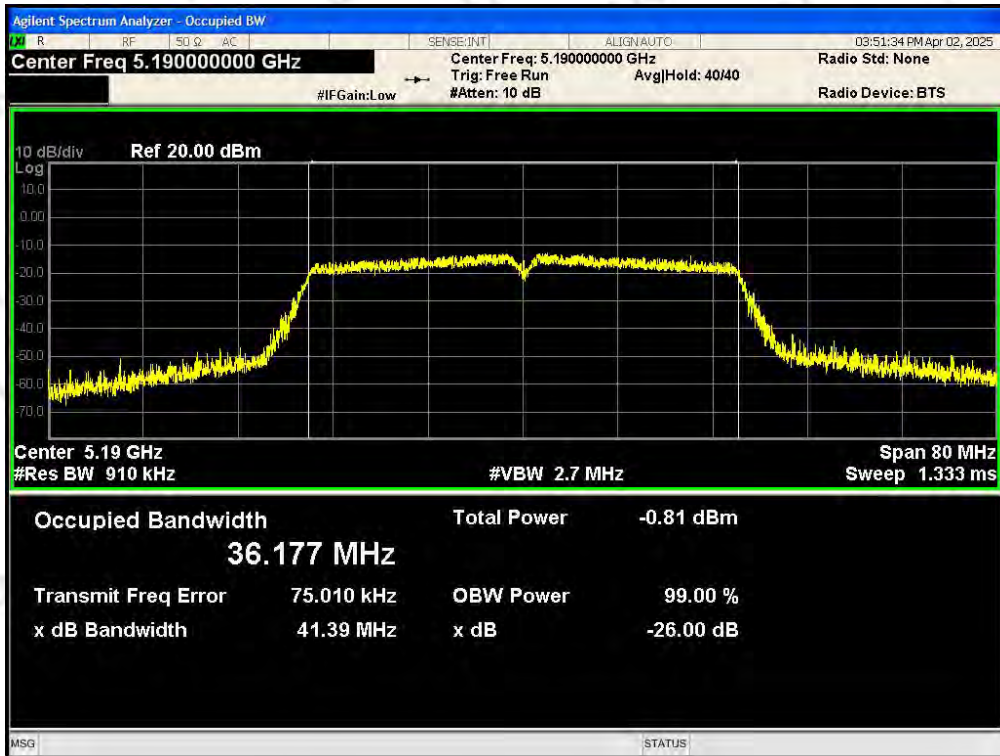
OBW NVNT 802.11ac20 5200MHz Ant1



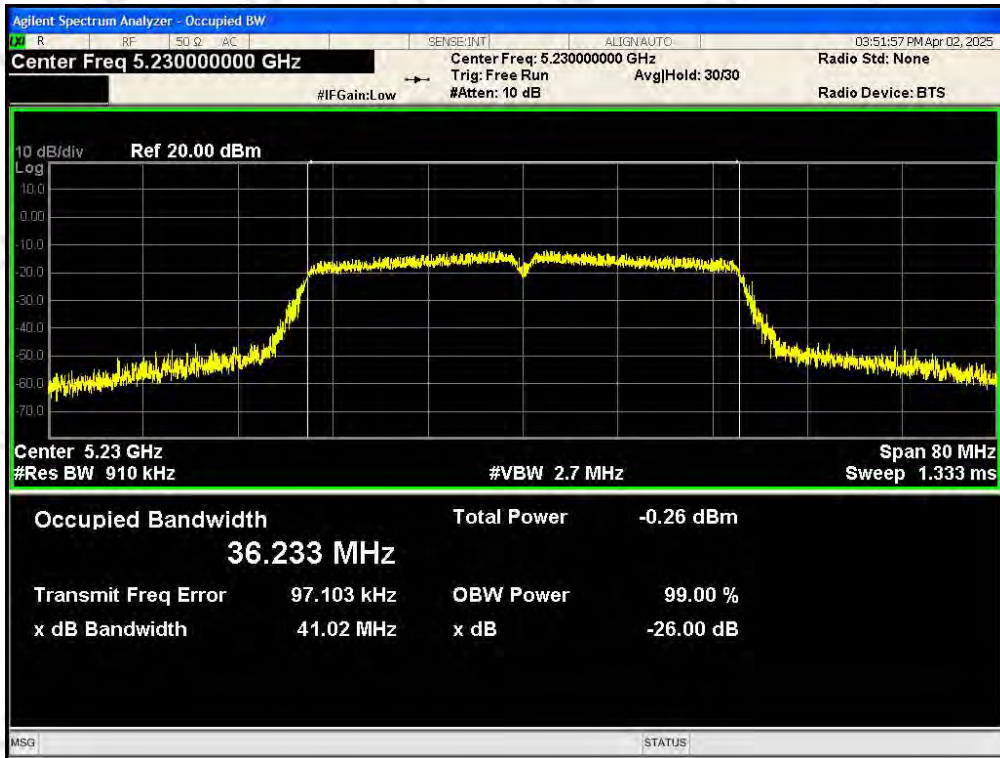
OBW NVNT 802.11ac20 5240MHz Ant1



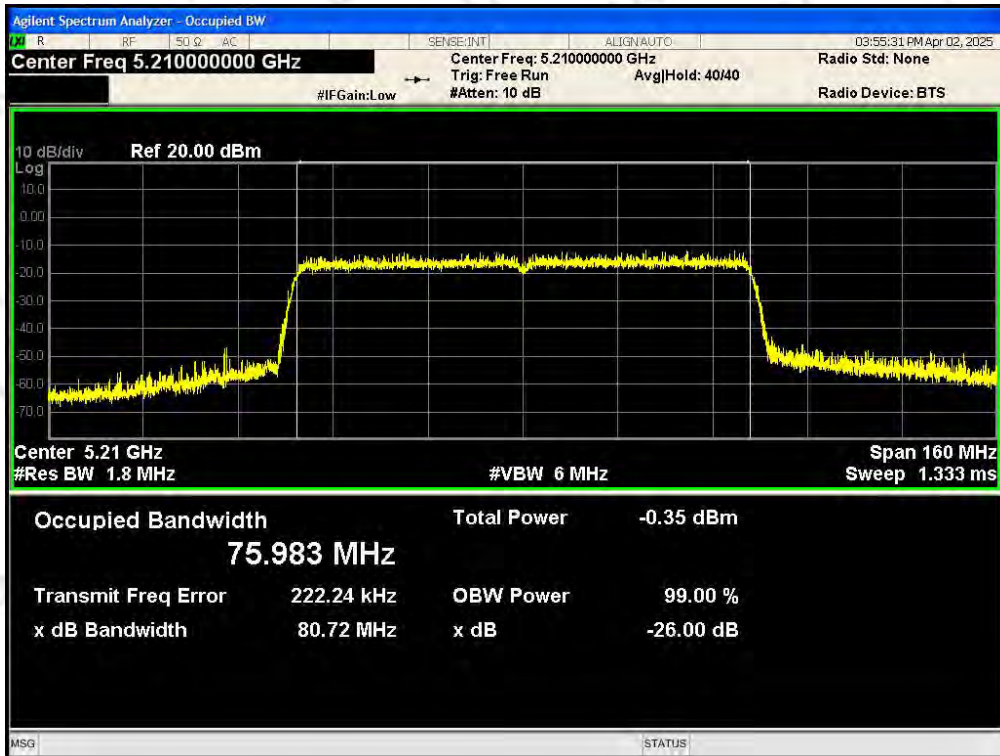
OBW NVNT 802.11ac40 5190MHz Ant1



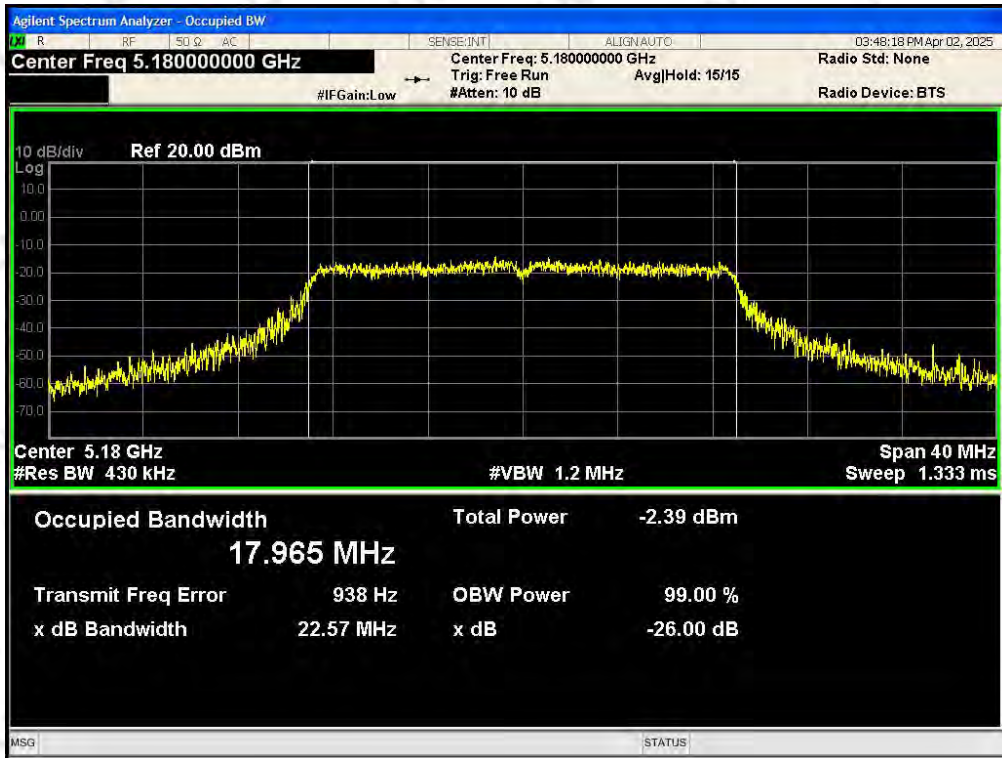
OBW NVNT 802.11ac40 5230MHz Ant1



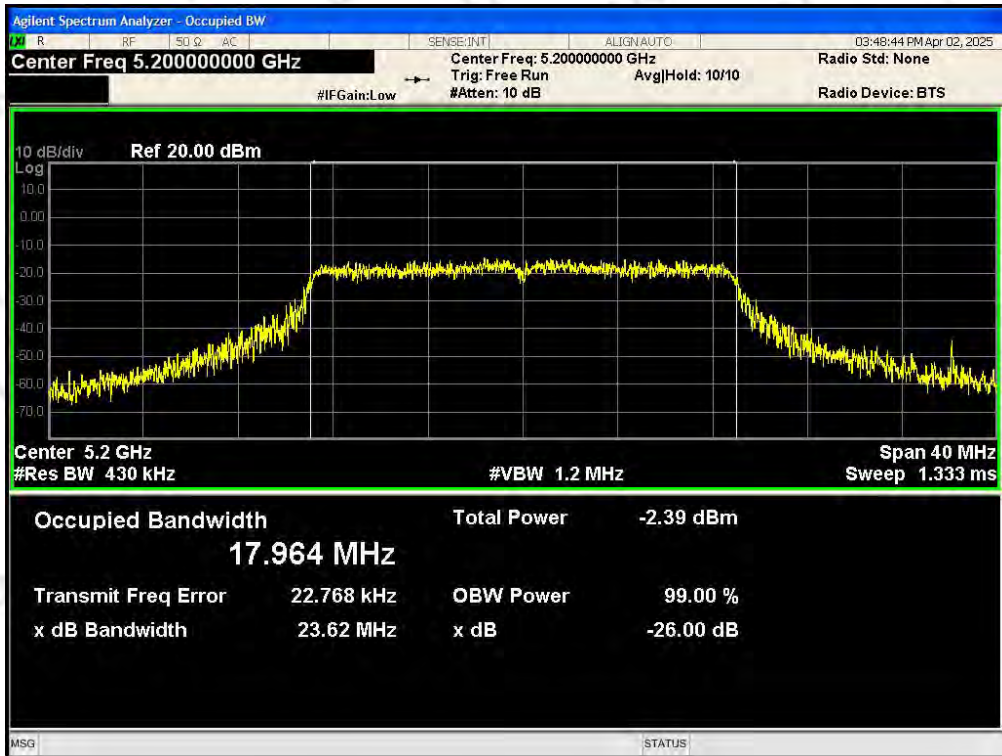
OBW NVNT 802.11ac80 5210MHz Ant1



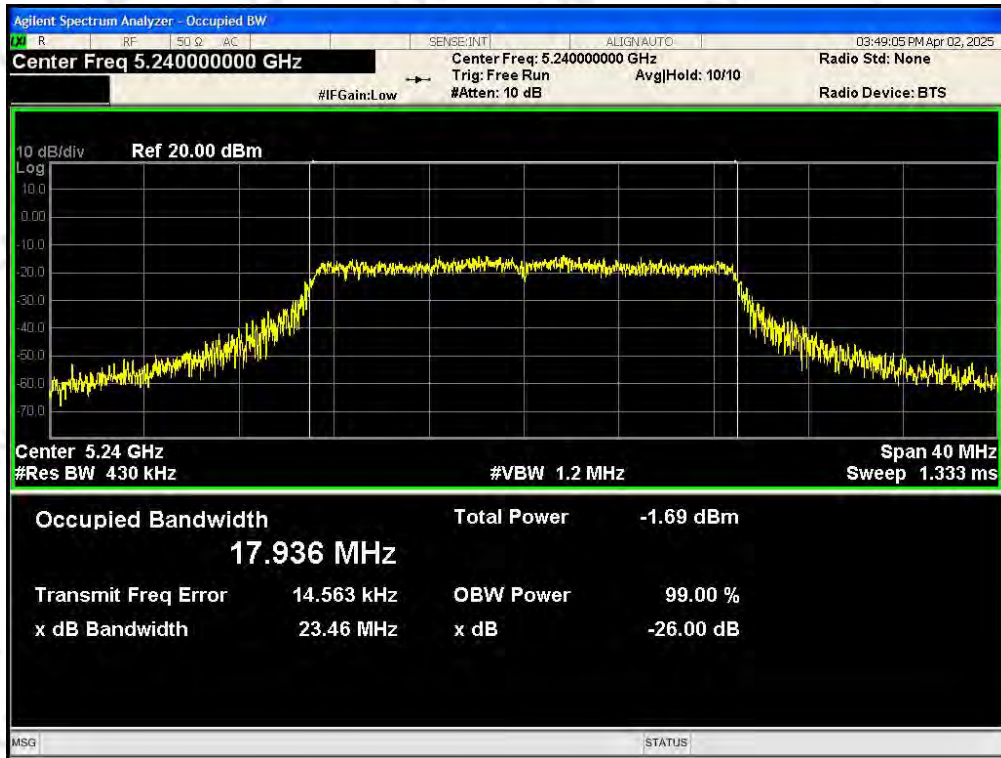
OBV NVNT 802.1n(HT20) 5180MHz Ant1



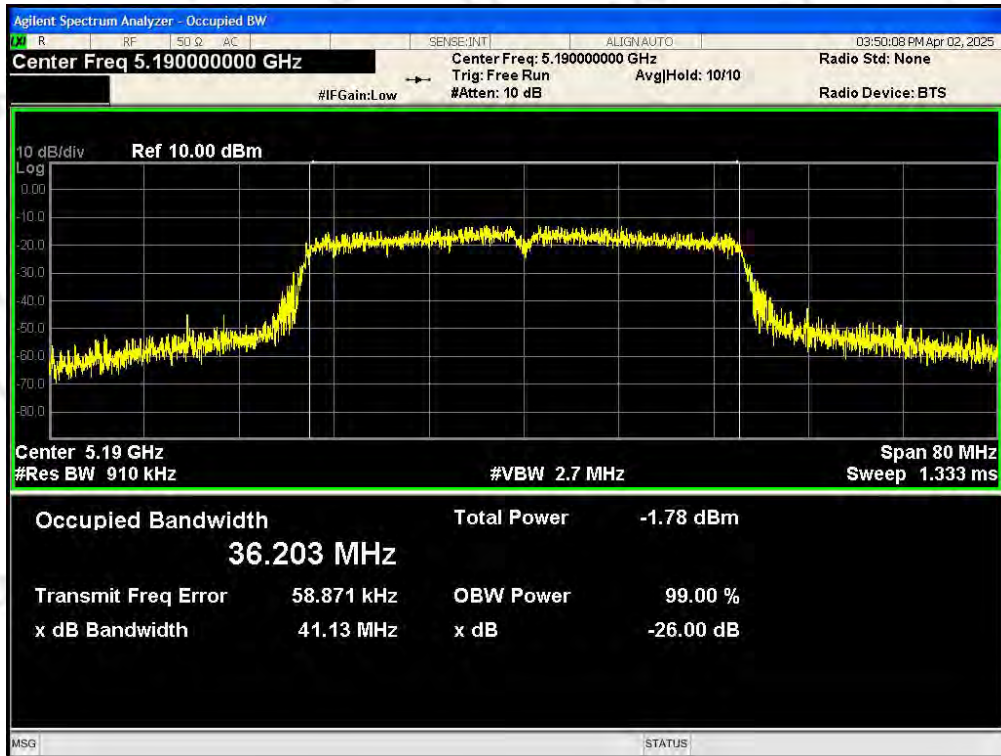
OBV NVNT 802.1n(HT20) 5200MHz Ant1



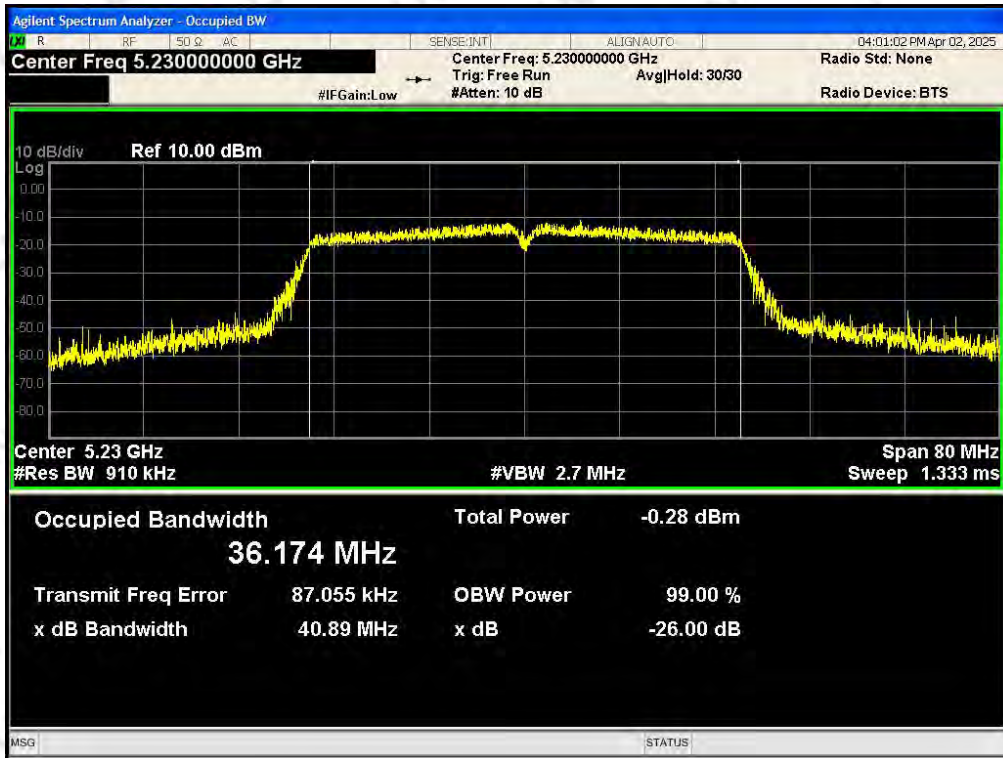
OBV NVNT 802.1n(HT20) 5240MHz Ant1



OBV NVNT 802.1n(HT40) 5190MHz Ant1



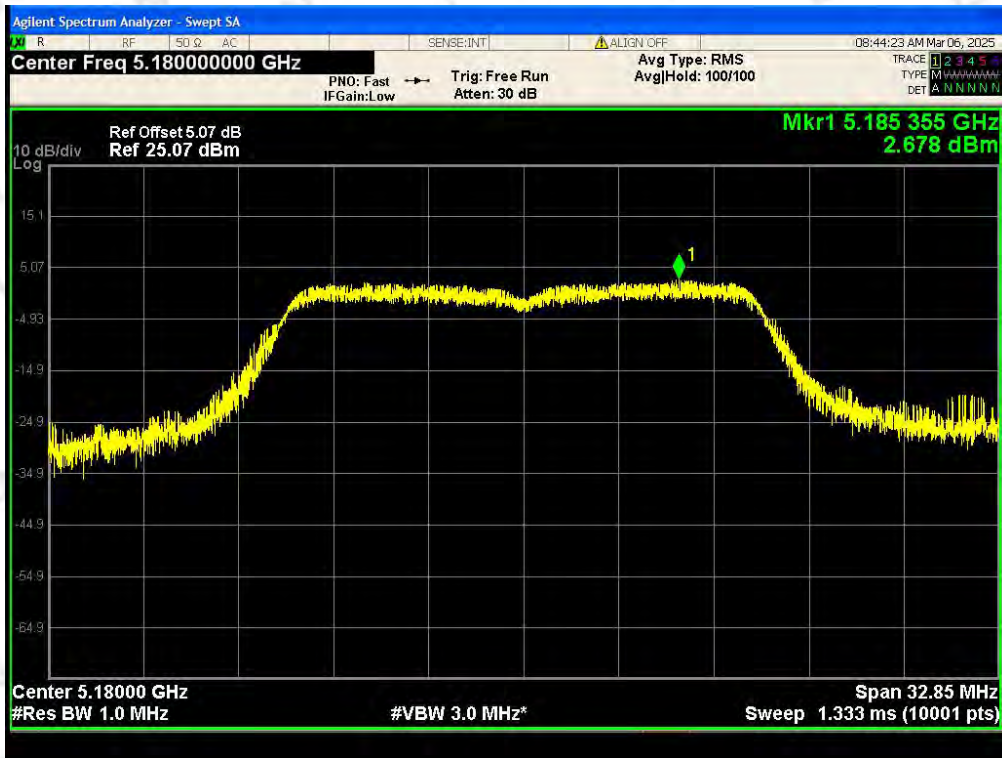
OBW NVNT 802.11n(HT40) 5230MHz Ant1



Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	2.678	0	2.678	11	Pass
NVNT	802.11a	5200	Ant 1	3.146	0	3.146	11	Pass
NVNT	802.11a	5240	Ant 1	5.07	0	5.07	11	Pass
NVNT	802.11ac20	5180	Ant 1	-0.495	0	-0.495	11	Pass
NVNT	802.11ac20	5200	Ant 1	2.768	0	2.768	11	Pass
NVNT	802.11ac20	5240	Ant 1	4.53	0	4.53	11	Pass
NVNT	802.11ac40	5190	Ant 1	0.121	0	0.121	11	Pass
NVNT	802.11ac40	5230	Ant 1	1.813	0	1.813	11	Pass
NVNT	802.11ac80	5210	Ant 1	0.23	0	0.23	11	Pass
NVNT	802.11n(HT20)	5180	Ant 1	2.217	0	2.217	11	Pass
NVNT	802.11n(HT20)	5200	Ant 1	2.971	0	2.971	11	Pass
NVNT	802.11n(HT20)	5240	Ant 1	8.022	0	8.022	11	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-0.107	0	-0.107	11	Pass
NVNT	802.11n(HT40)	5230	Ant 1	2.103	0	2.103	11	Pass

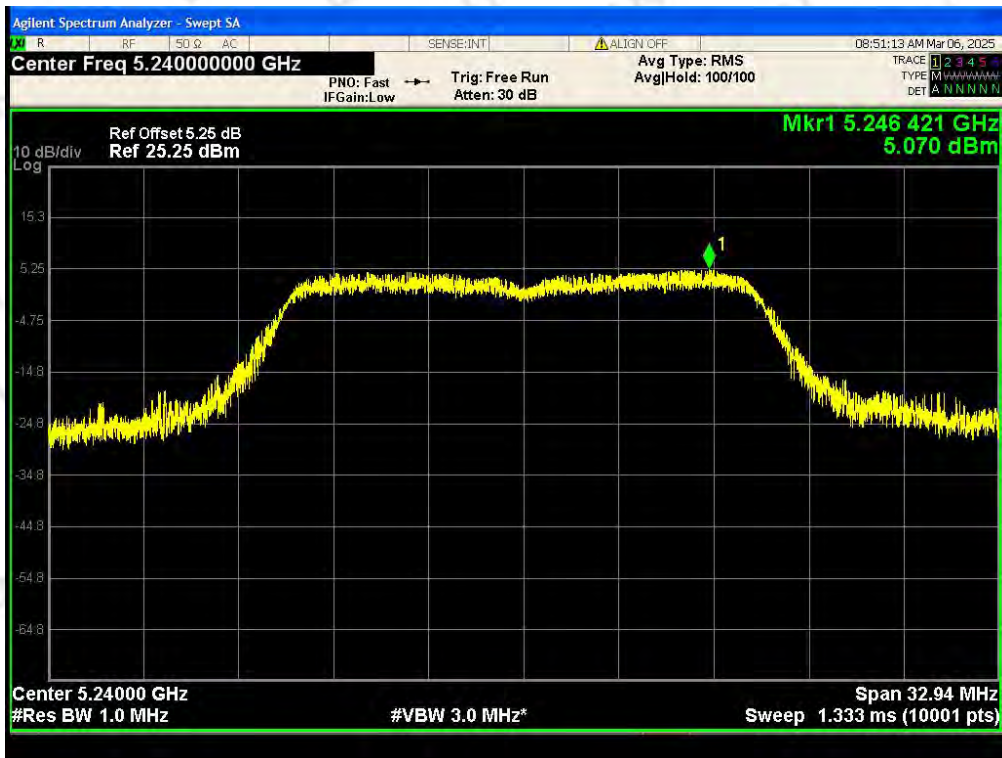
PSD NVNT 802.11a 5180MHz Ant1



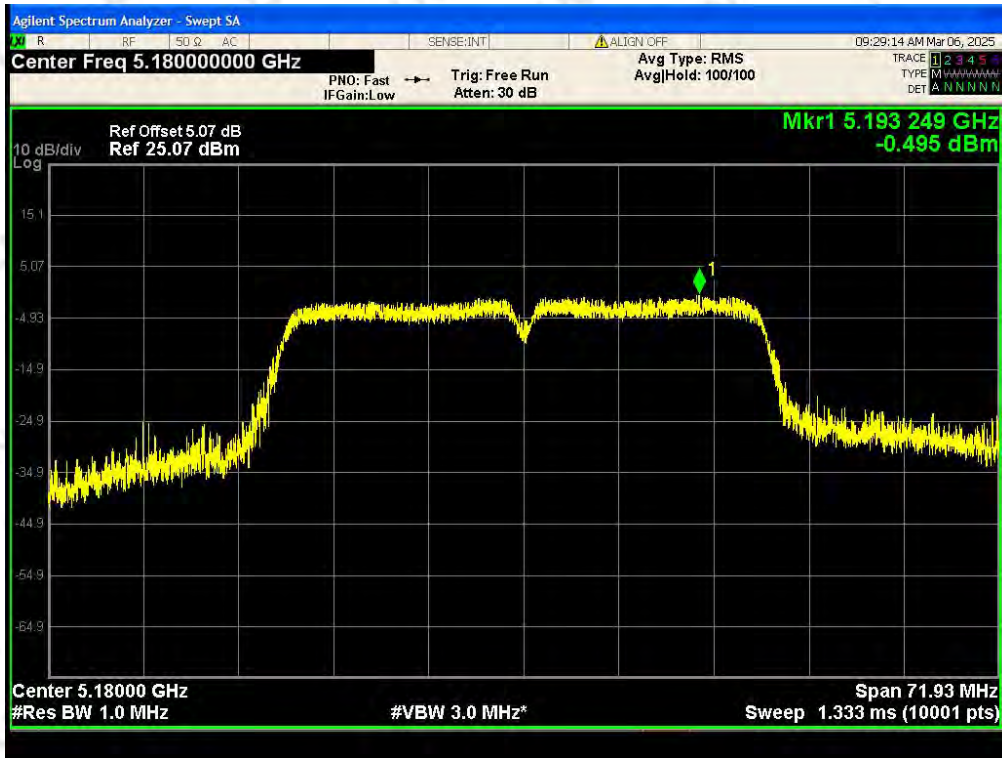
PSD NVNT 802.11a 5200MHz Ant1



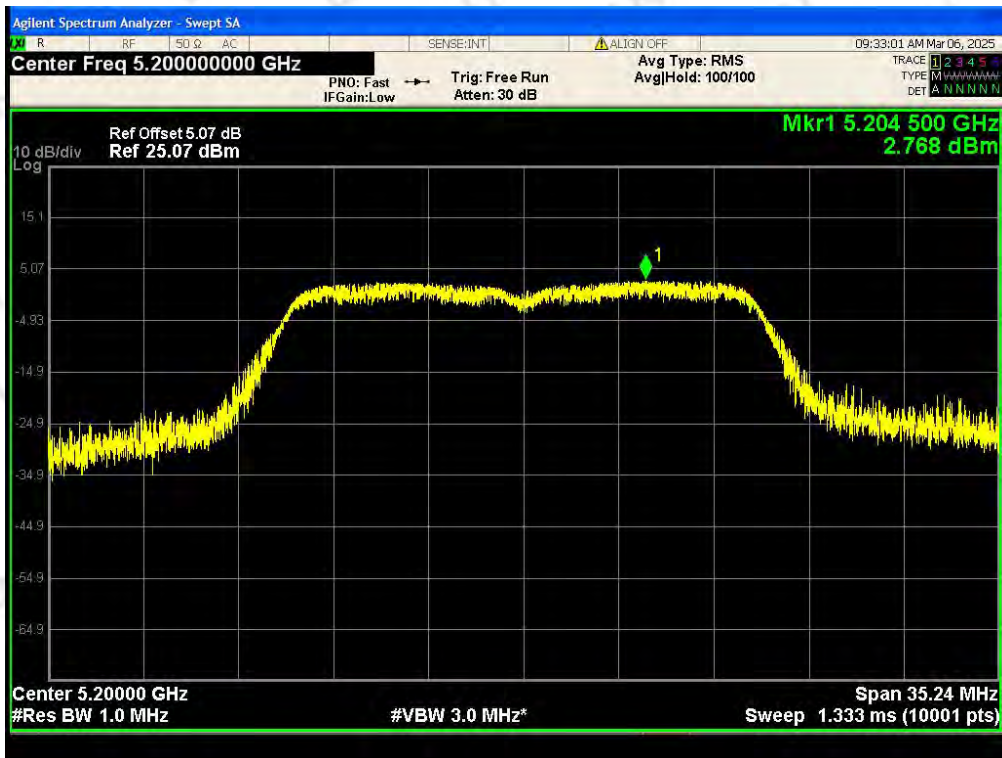
PSD NVNT 802.11a 5240MHz Ant1



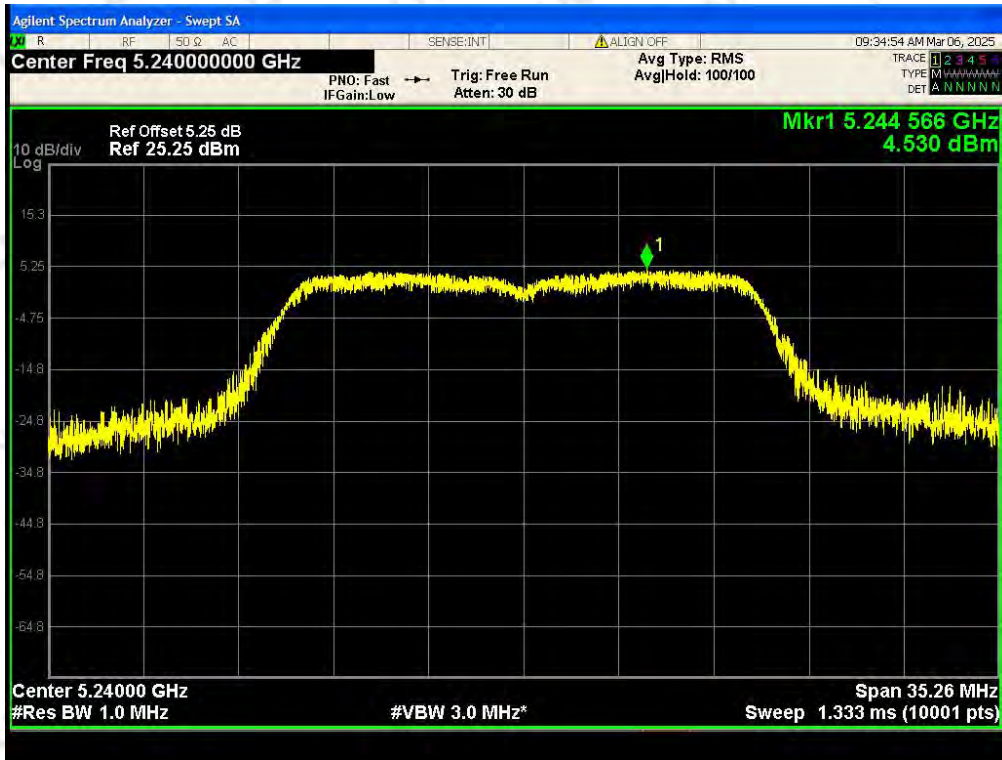
PSD NVNT 802.11ac20 5180MHz Ant1



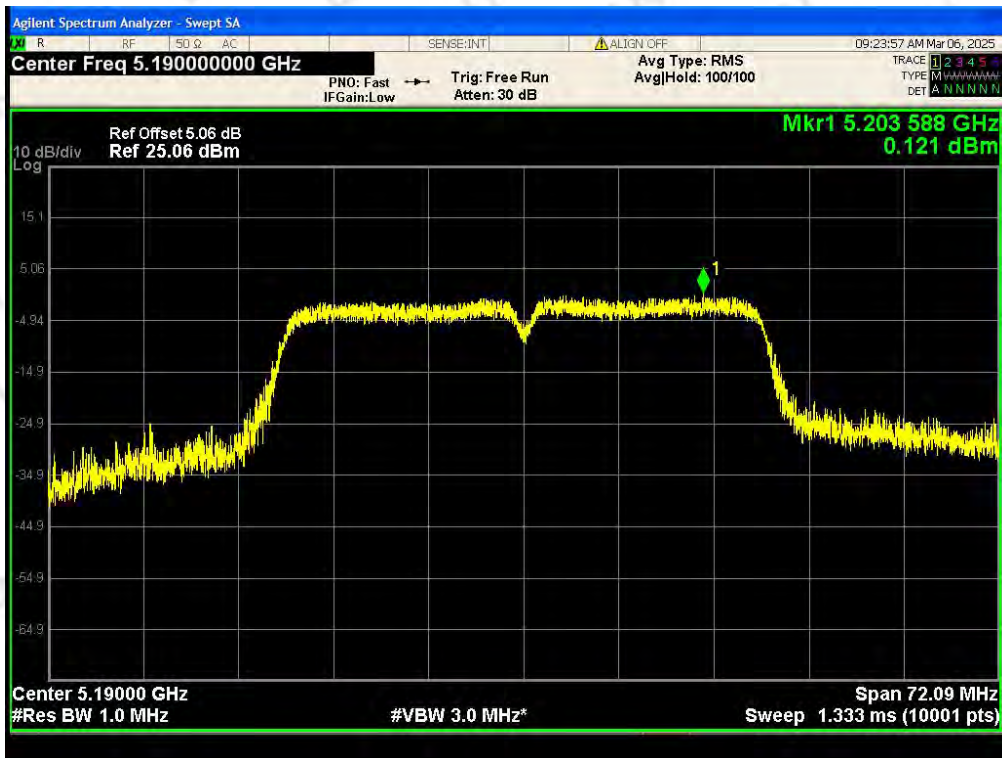
PSD NVNT 802.11ac20 5200MHz Ant1



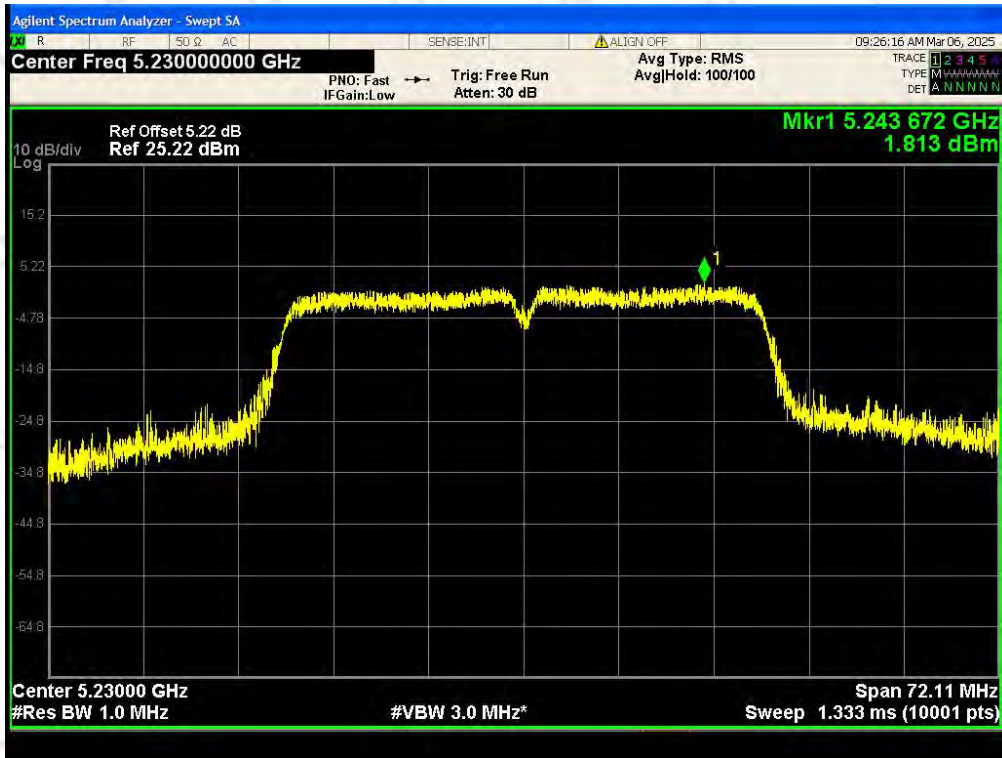
PSD NVNT 802.11ac20 5240MHz Ant1



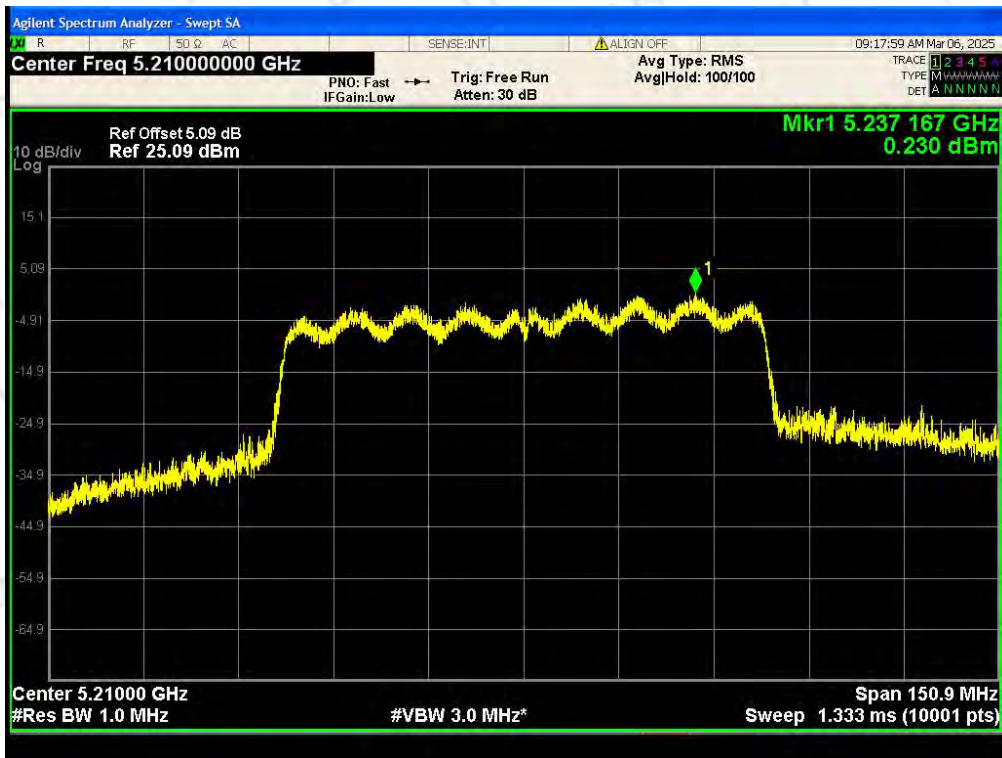
PSD NVNT 802.11ac40 5190MHz Ant1



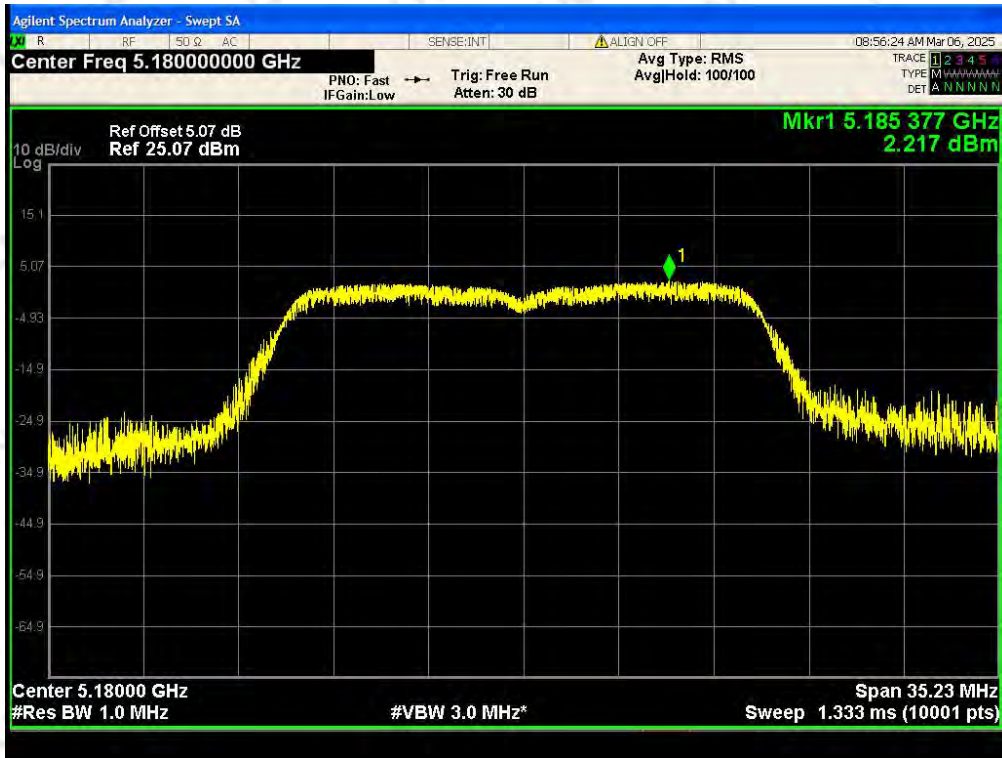
PSD NVNT 802.11ac40 5230MHz Ant1



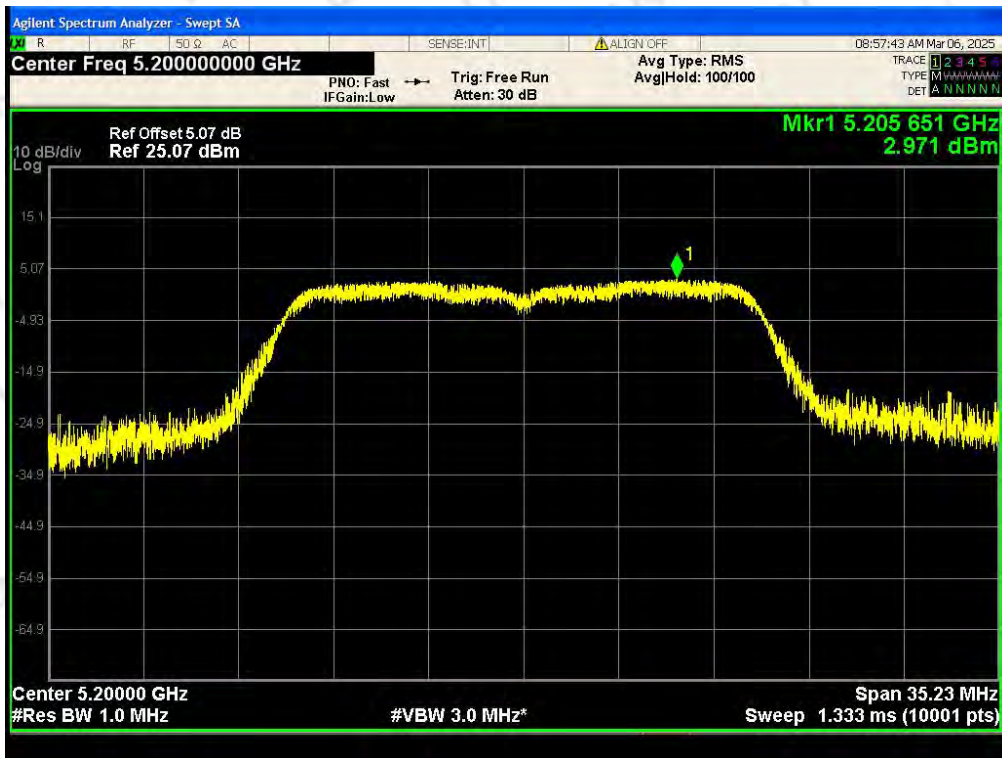
PSD NVNT 802.11ac80 5210MHz Ant1



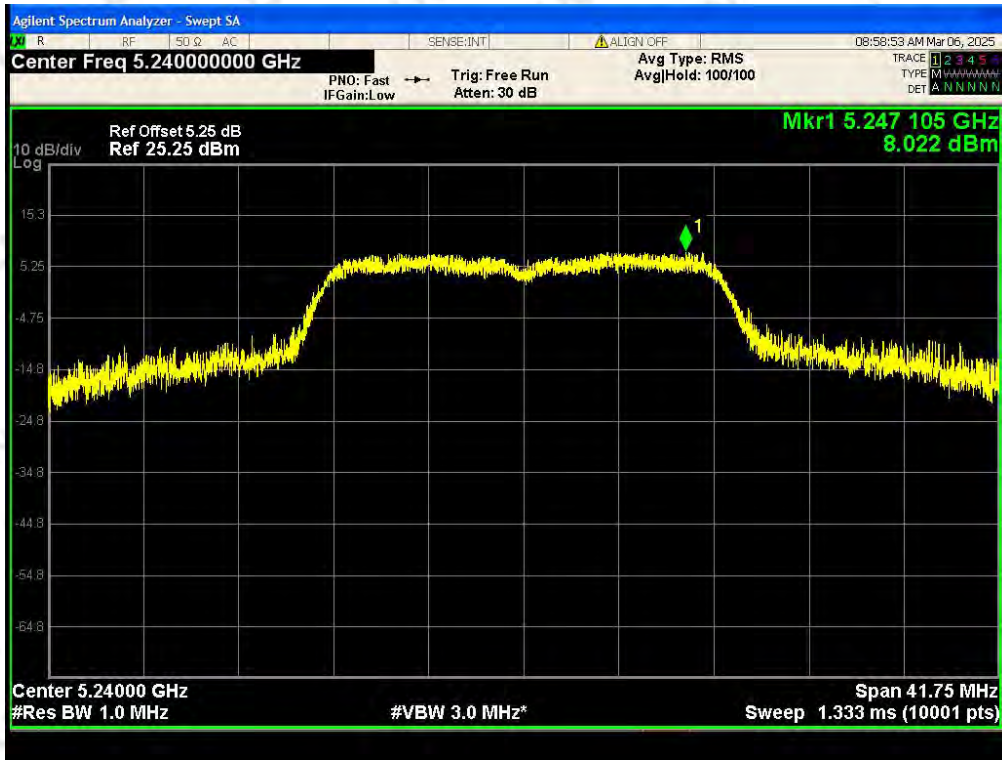
PSD NVNT 802.11n(HT20) 5180MHz Ant1



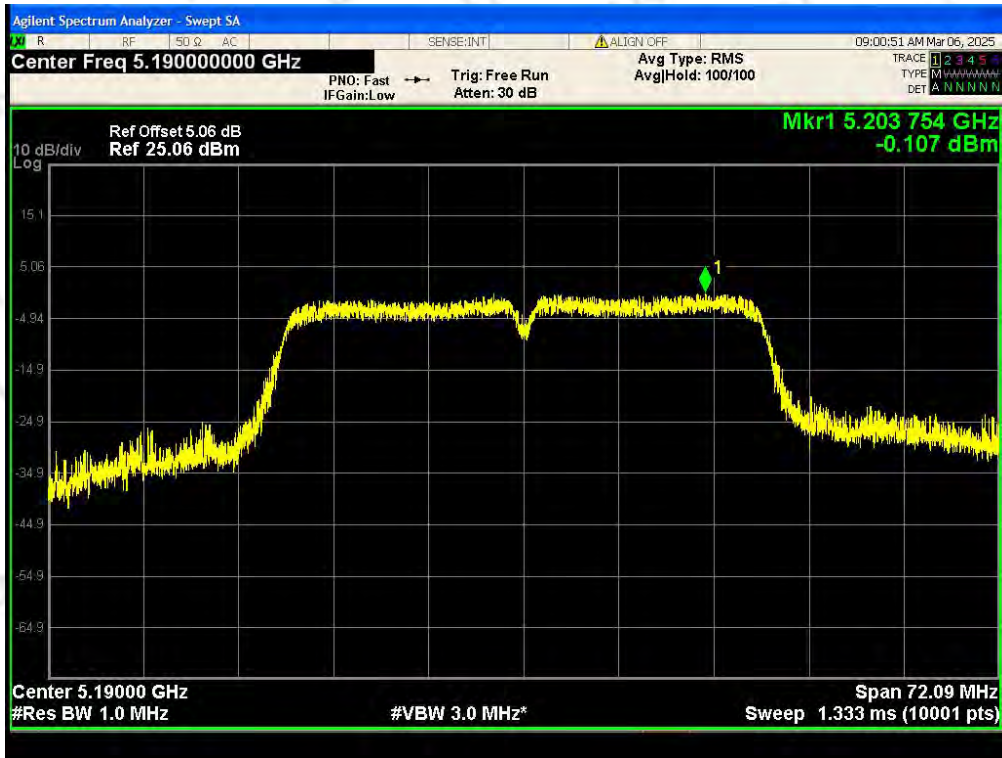
PSD NVNT 802.11n(HT20) 5200MHz Ant1



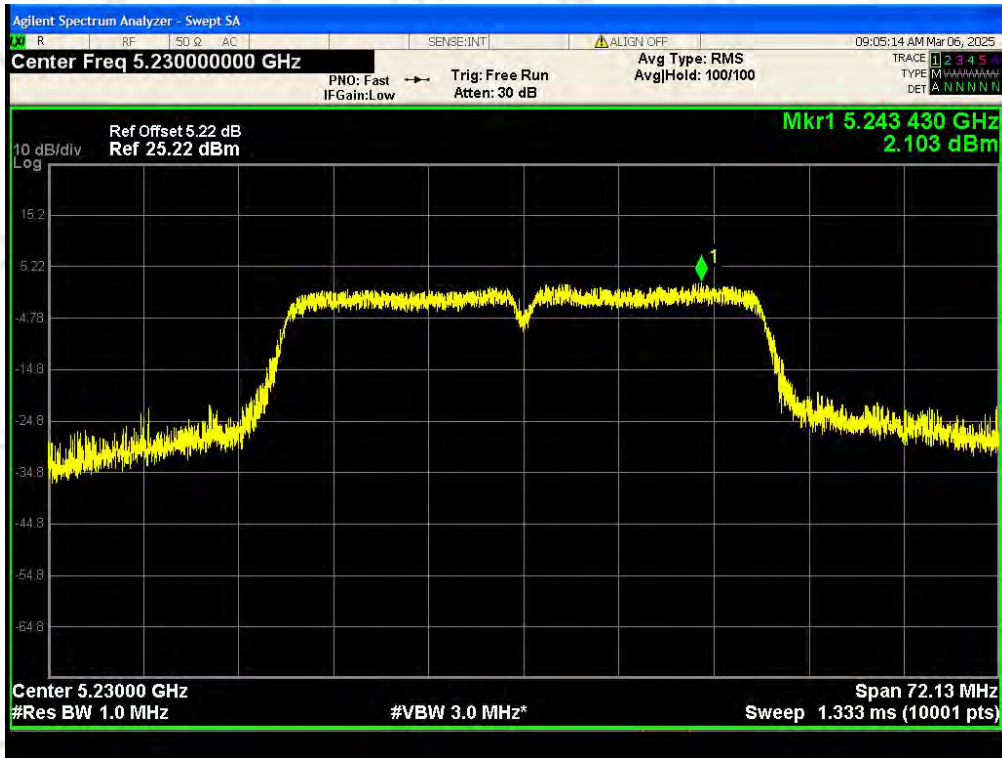
PSD NVNT 802.11n(HT20) 5240MHz Ant1



PSD NVNT 802.11n(HT40) 5190MHz Ant1



PSD NVNT 802.11n(HT40) 5230MHz Ant1



Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	-42.63	-27	Pass
NVNT	802.11a	5240	Ant 1	-53.05	-27	Pass
NVNT	802.11ac20	5180	Ant 1	-30.35	-27	Pass
NVNT	802.11ac20	5240	Ant 1	-52.57	-27	Pass
NVNT	802.11ac40	5190	Ant 1	-38.57	-27	Pass
NVNT	802.11ac40	5230	Ant 1	-53.41	-27	Pass
NVNT	802.11ac80	5210	Ant 1	-33.2	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-46.23	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-52.6	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-37.8	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-52.36	-27	Pass

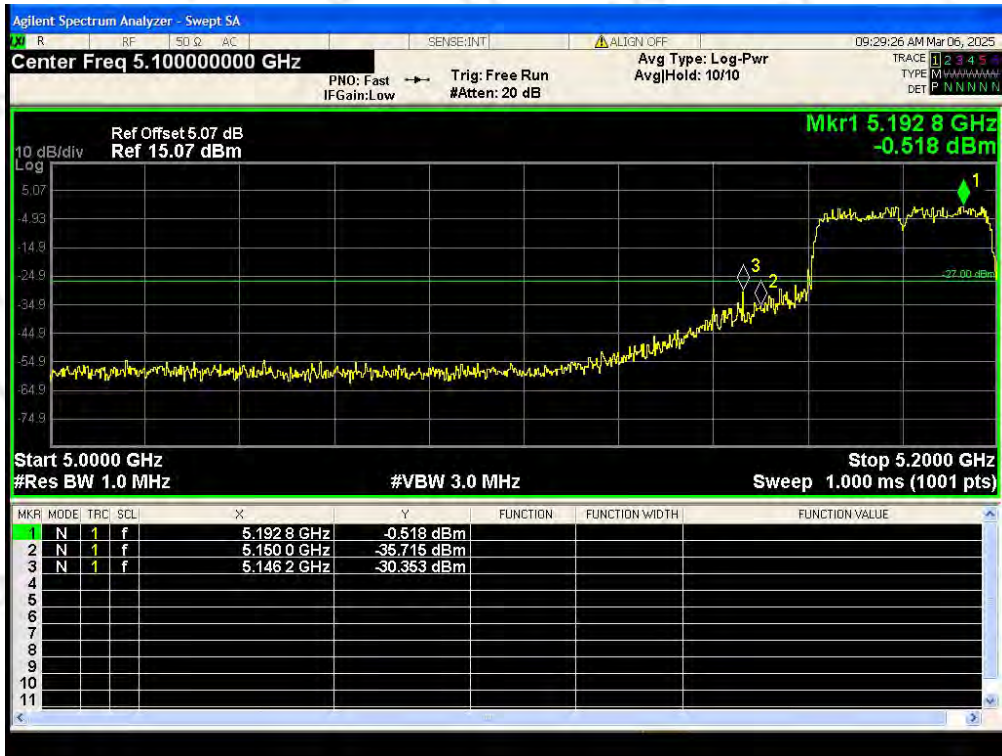
Band Edge NVNT 802.11a 5180MHz Ant1



Band Edge NVNT 802.11a 5240MHz Ant1



Band Edge NVNT 802.11ac20 5180MHz Ant1



Band Edge NVNT 802.11ac20 5240MHz Ant1



Band Edge NVNT 802.11ac40 5190MHz Ant1



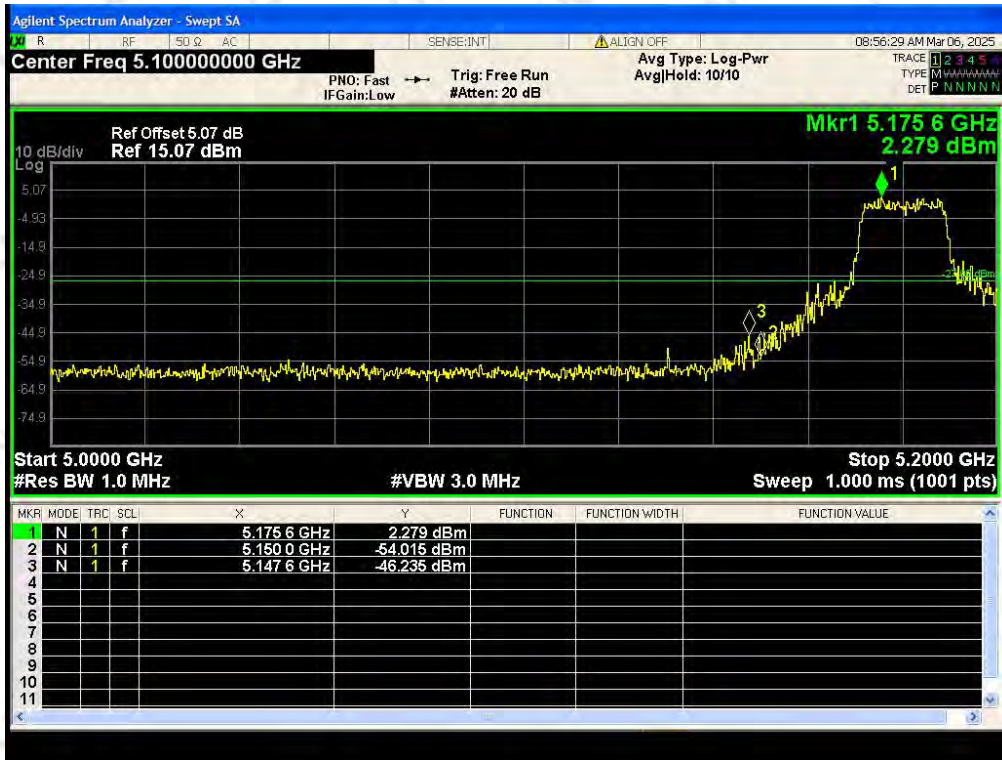
Band Edge NVNT 802.11ac40 5230MHz Ant1



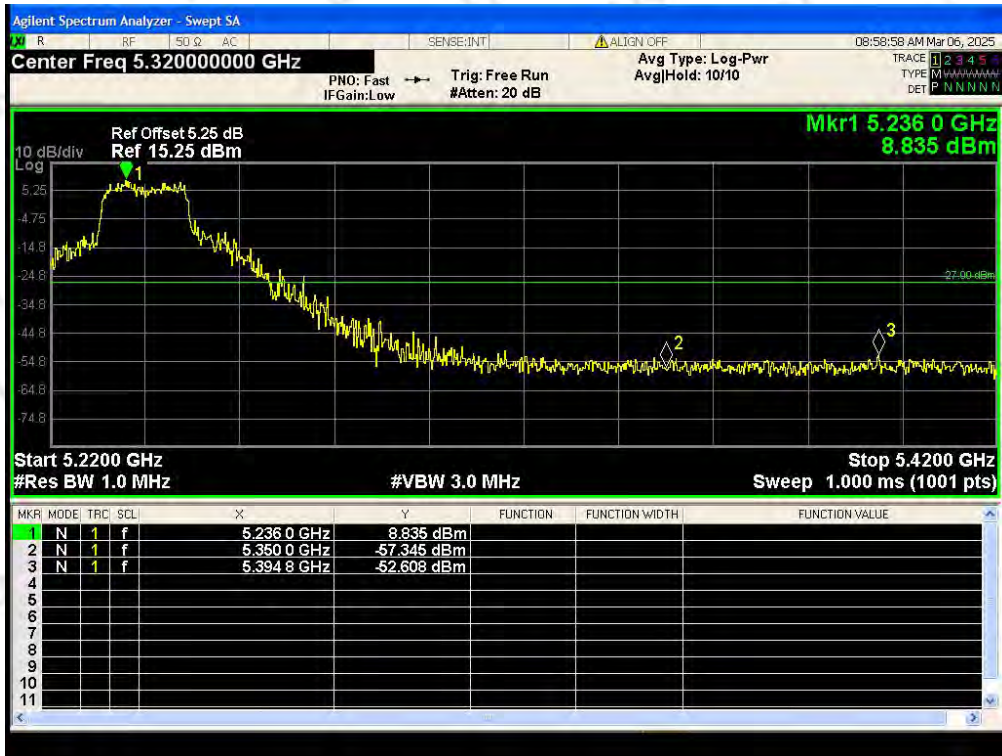
Band Edge NVNT 802.11ac80 5210MHz Ant1



Band Edge NVNT 802.11n(HT20) 5180MHz Ant1



Band Edge NVNT 802.11n(HT20) 5240MHz Ant1



Band Edge NVNT 802.11n(HT40) 5190MHz Ant1



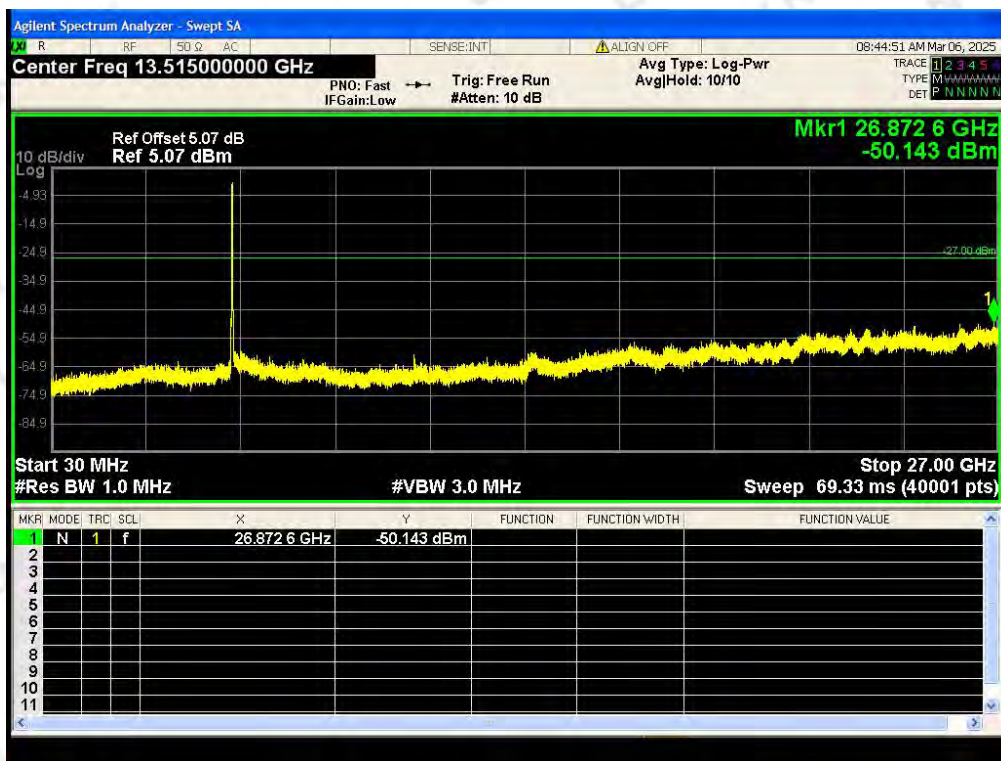
Band Edge NVNT 802.11n(HT40) 5230MHz Ant1



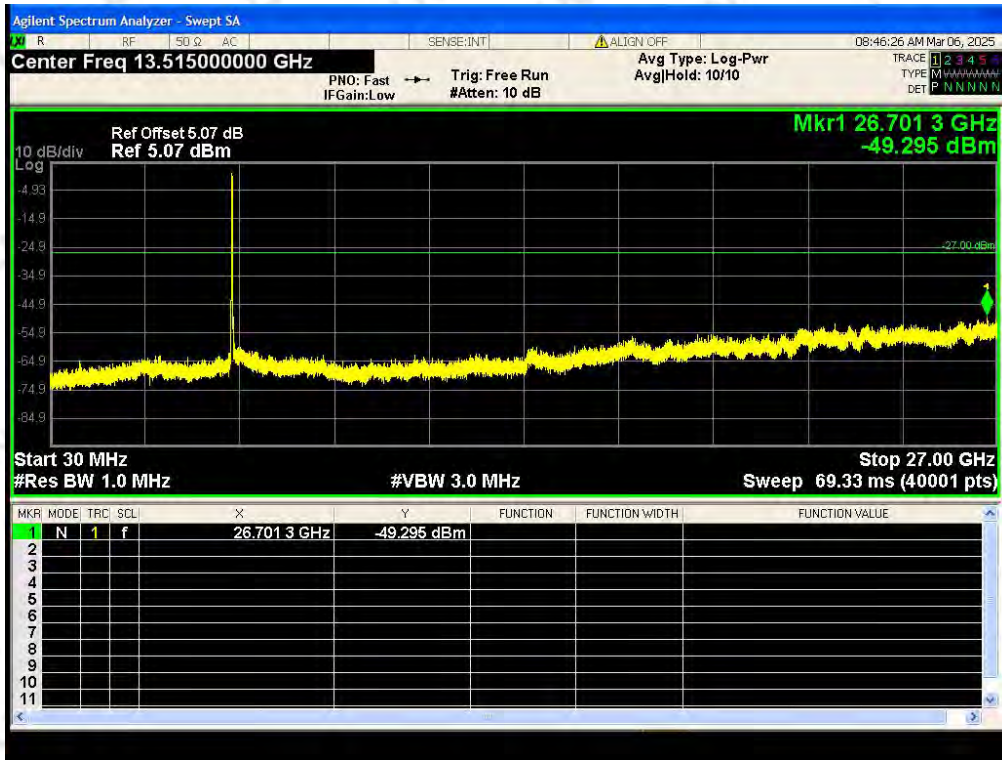
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 1	-50.14	-27	Pass
NVNT	802.11a	5200	Ant 1	-49.29	-27	Pass
NVNT	802.11a	5240	Ant 1	-49.97	-27	Pass
NVNT	802.11ac20	5180	Ant 1	-41.71	-27	Pass
NVNT	802.11ac20	5200	Ant 1	-50.04	-27	Pass
NVNT	802.11ac20	5240	Ant 1	-49.85	-27	Pass
NVNT	802.11ac40	5190	Ant 1	-50.53	-27	Pass
NVNT	802.11ac40	5230	Ant 1	-49.93	-27	Pass
NVNT	802.11ac80	5210	Ant 1	-49.81	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 1	-49.27	-27	Pass
NVNT	802.11n(HT20)	5200	Ant 1	-50.53	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 1	-48.36	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 1	-49.59	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 1	-49.58	-27	Pass

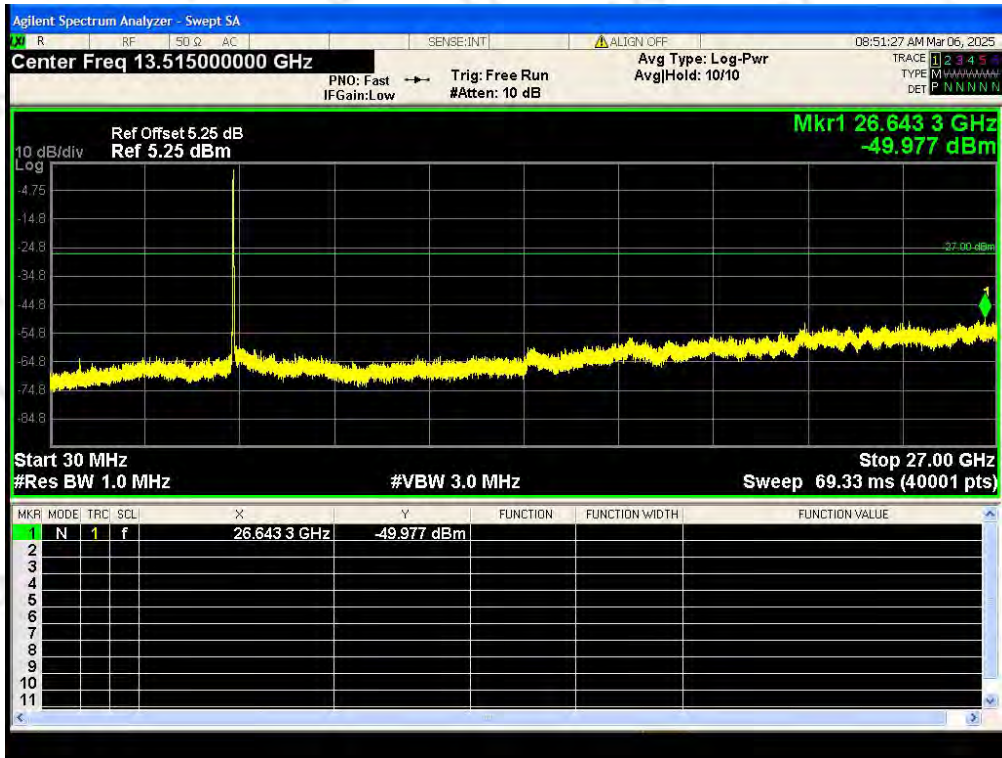
Tx. Spurious NVNT 802.11a 5180MHz Ant1 Emission



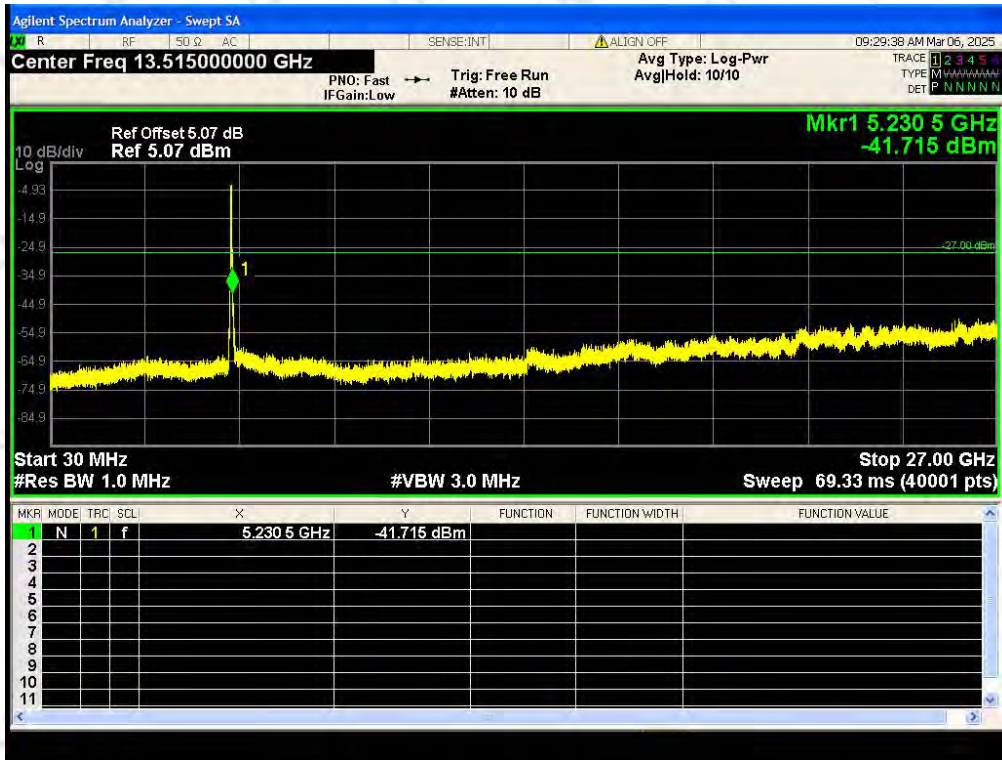
Tx. Spurious NVNT 802.11a 5200MHz Ant1 Emission



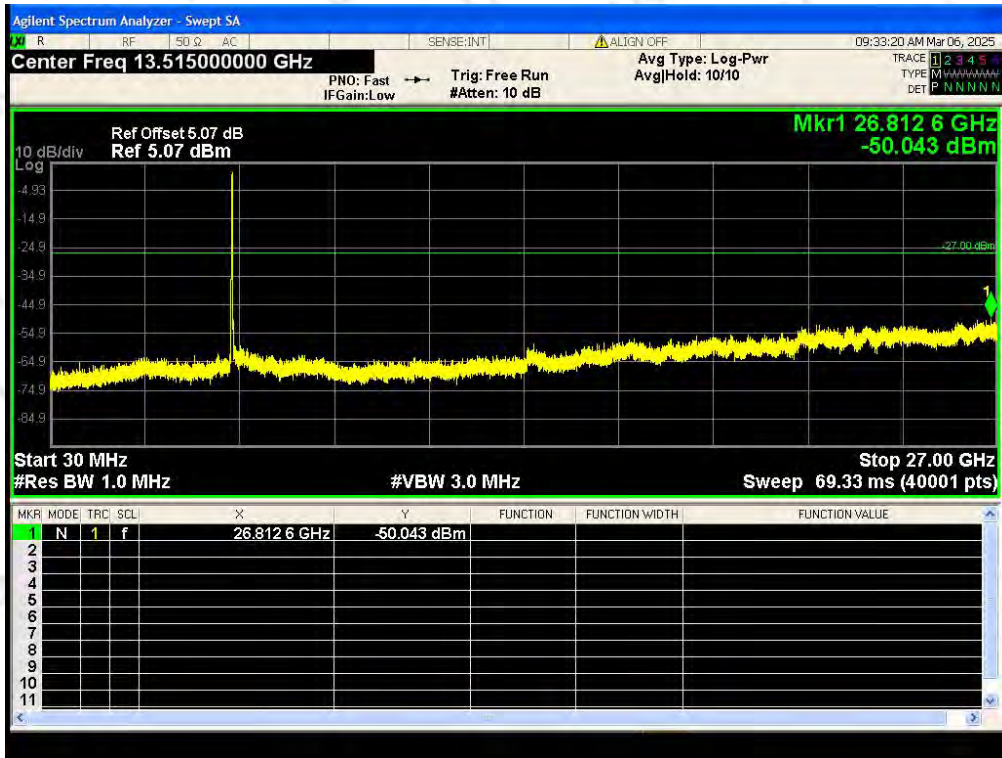
Tx. Spurious NVNT 802.11a 5240MHz Ant1 Emission



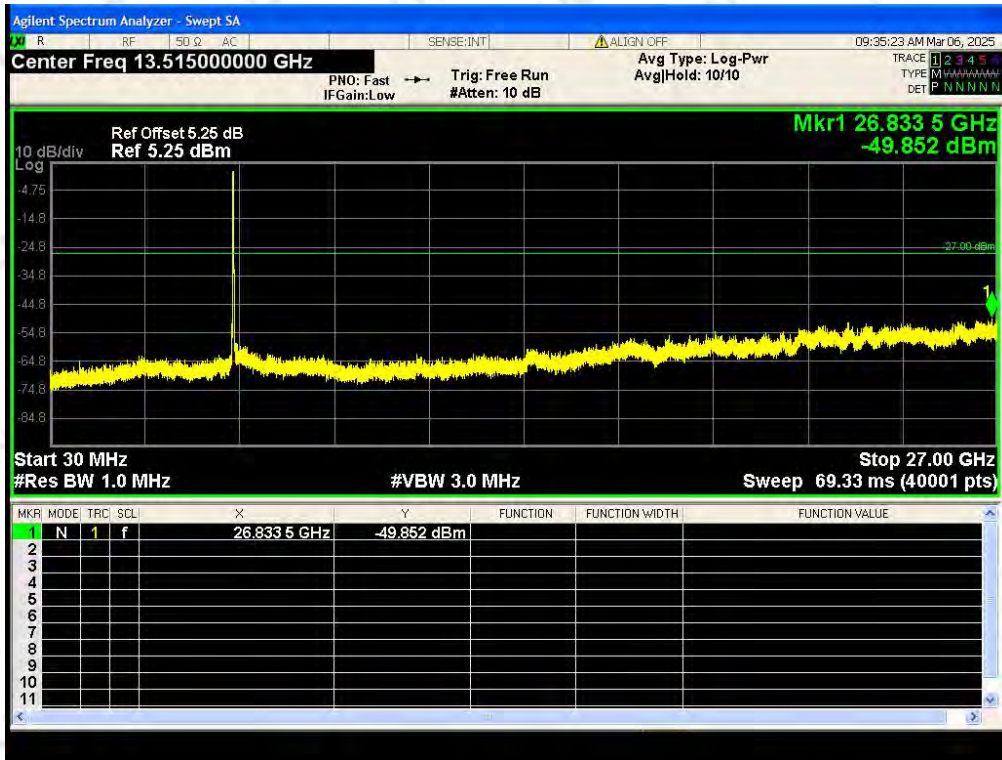
Tx. Spurious NVNT 802.11ac20 5180MHz Ant1 Emission



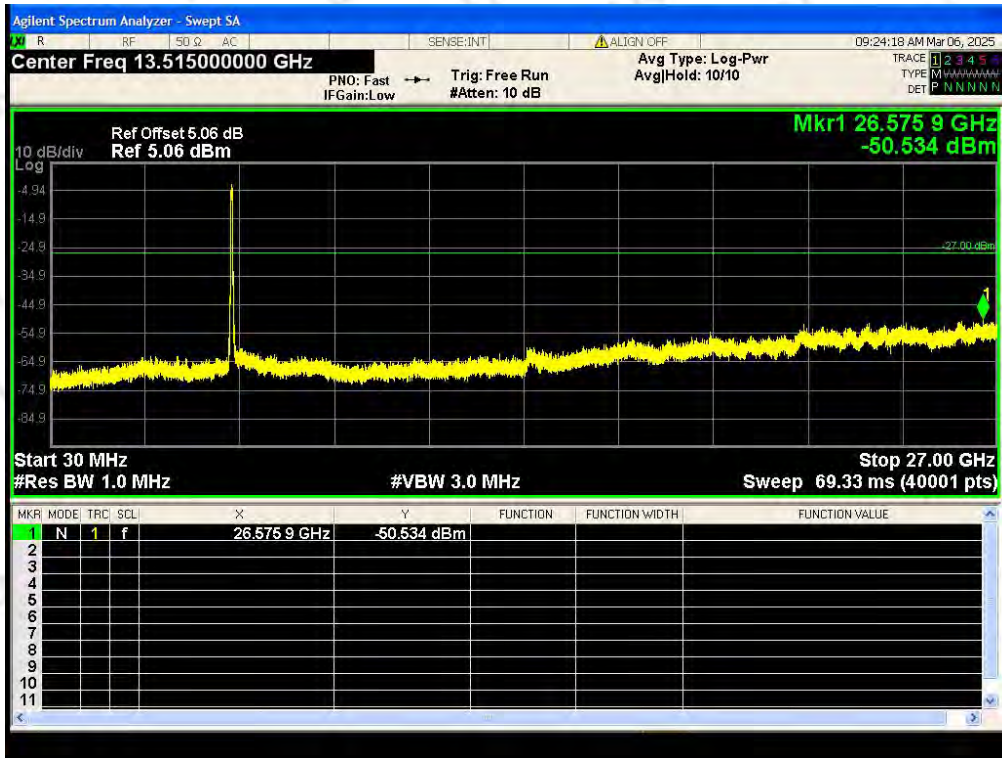
Tx. Spurious NVNT 802.11ac20 5200MHz Ant1 Emission



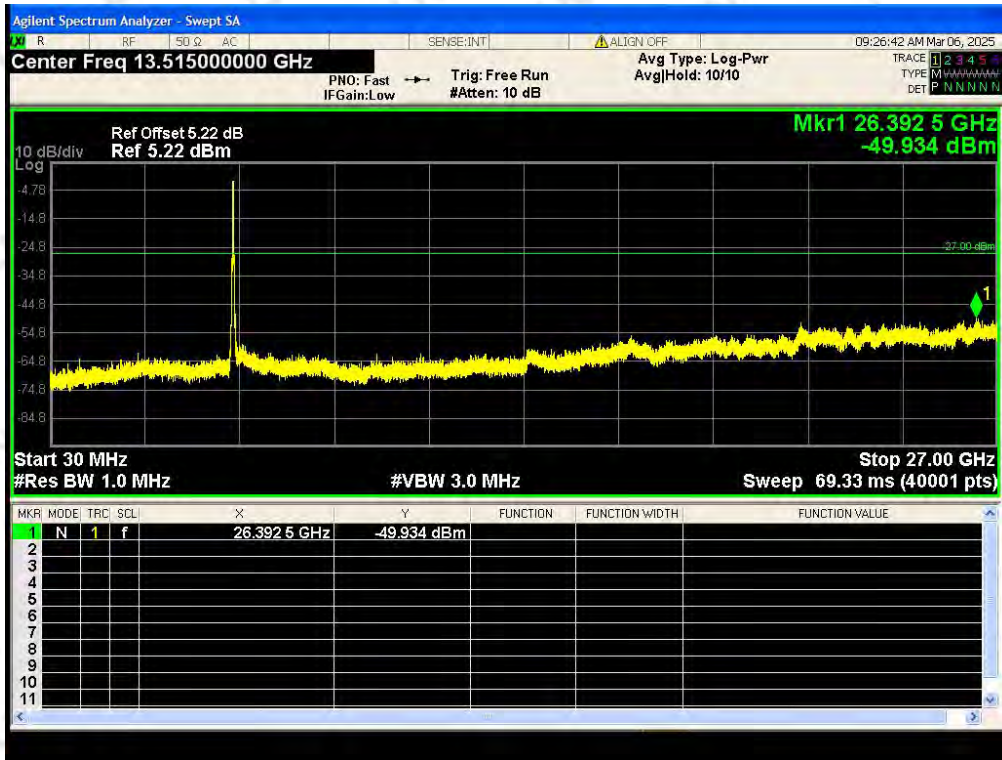
Tx. Spurious NVNT 802.11ac20 5240MHz Ant1 Emission



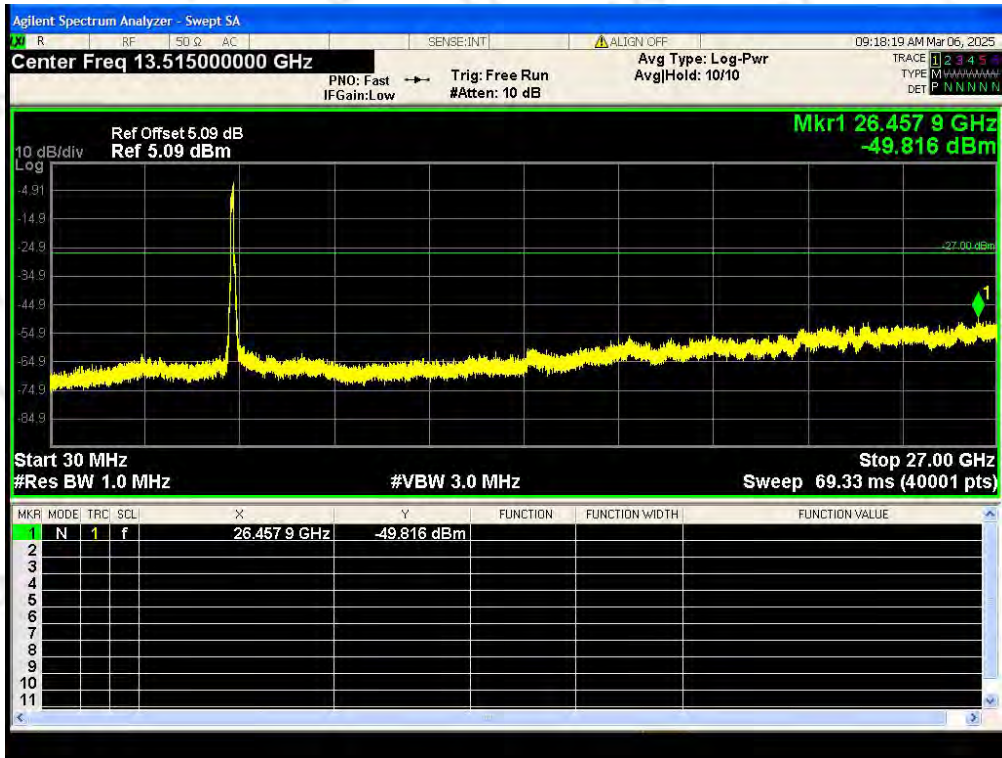
Tx. Spurious NVNT 802.11ac40 5190MHz Ant1 Emission



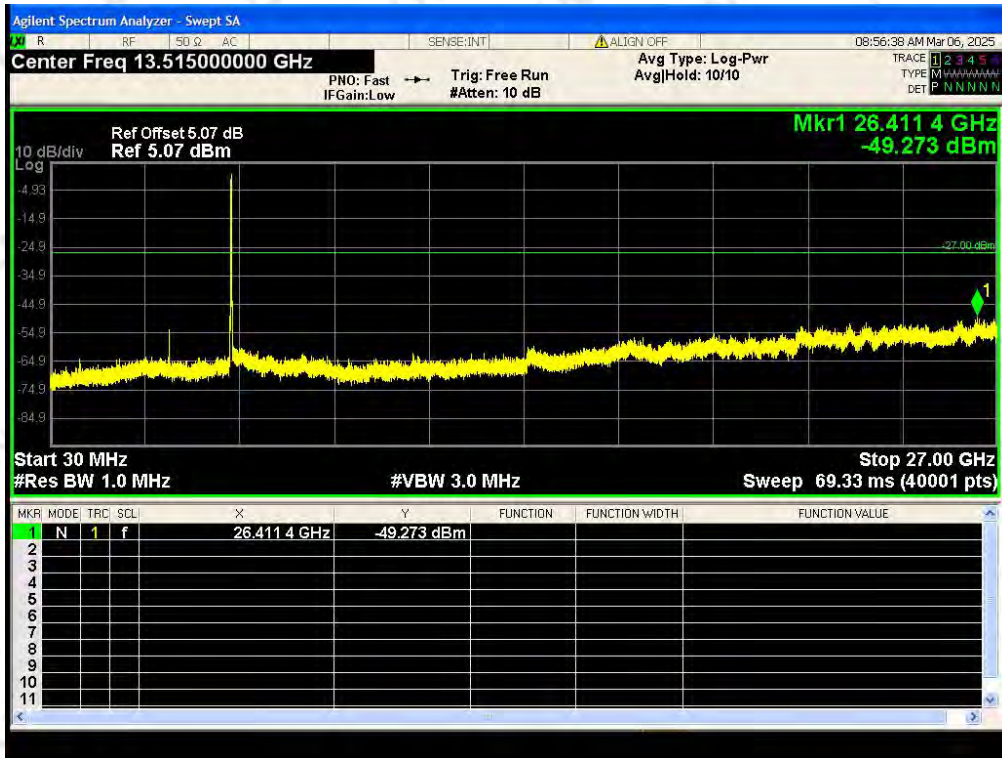
Tx. Spurious NVNT 802.11ac40 5230MHz Ant1 Emission



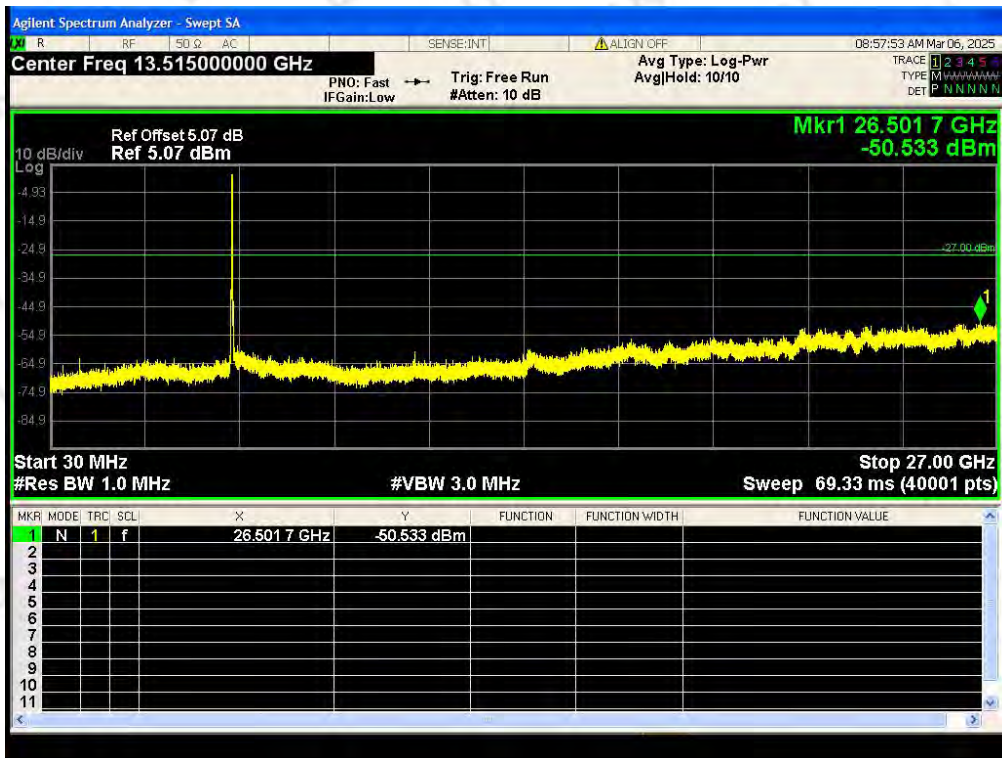
Tx. Spurious NVNT 802.11ac80 5210MHz Ant1 Emission



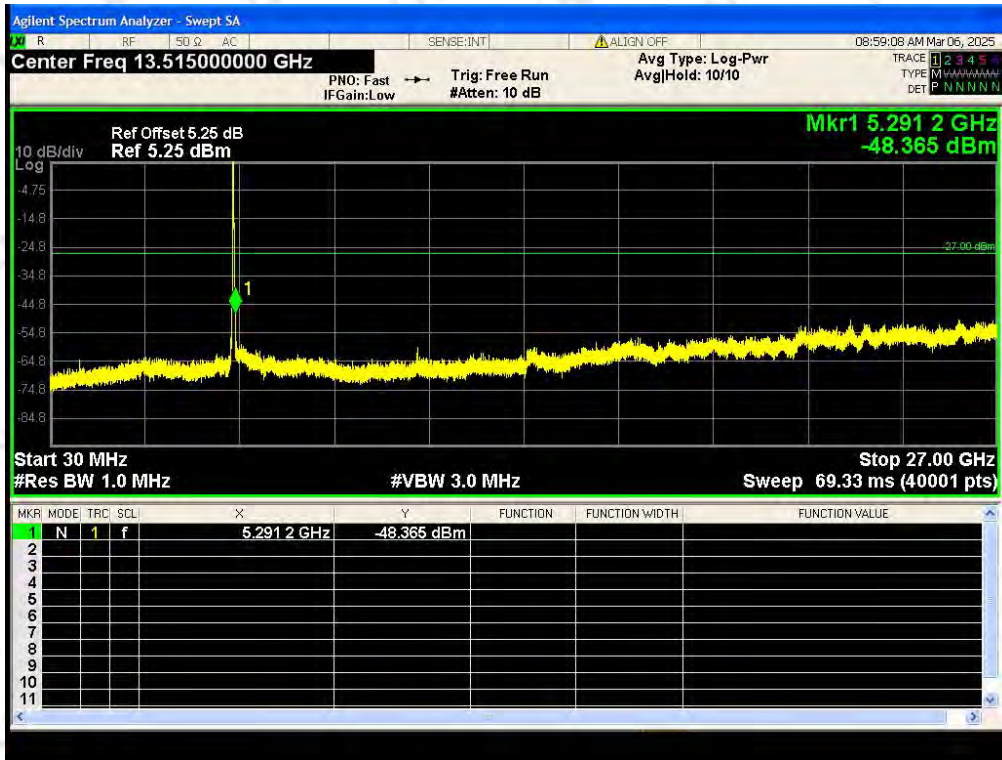
Tx. Spurious NVNT 802.11n(HT20) 5180MHz Ant1 Emission



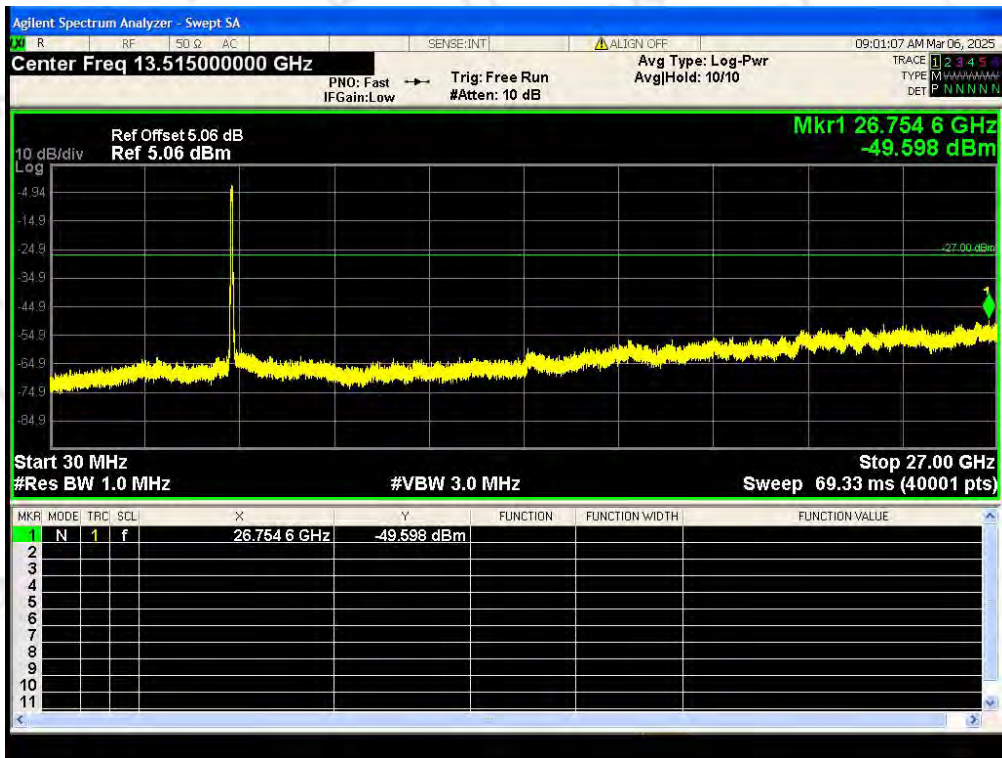
Tx. Spurious NVNT 802.11n(HT20) 5200MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT20) 5240MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5190MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5230MHz Ant1 Emission

