

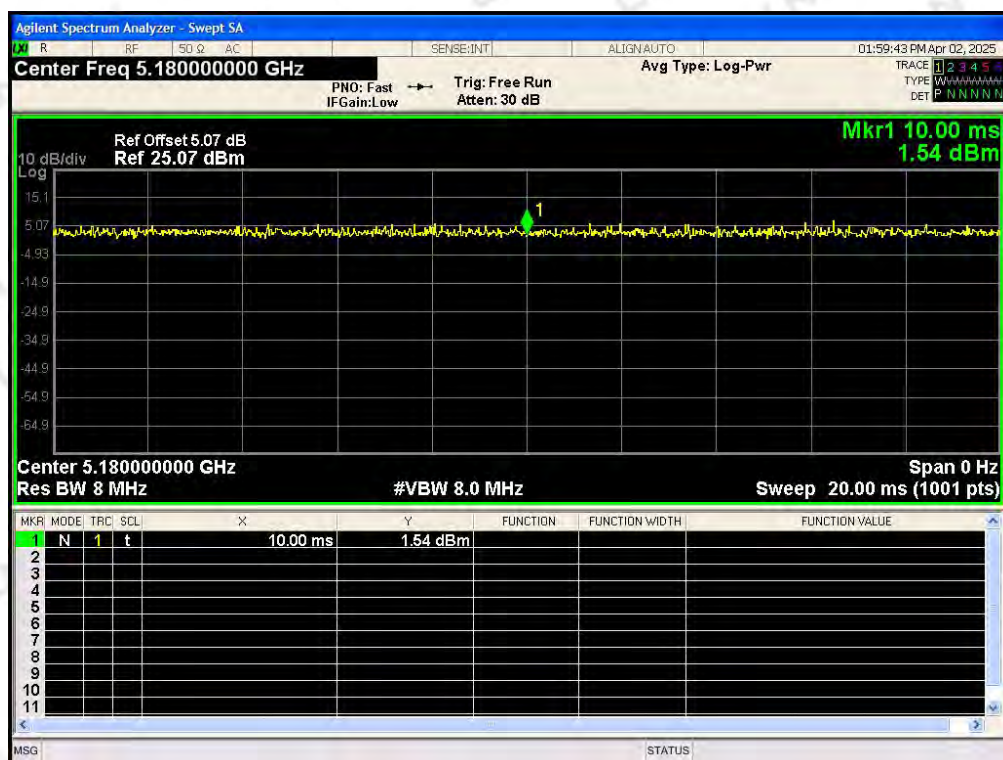
Test Report

ANT 2 5G WIFI RF test data_B1

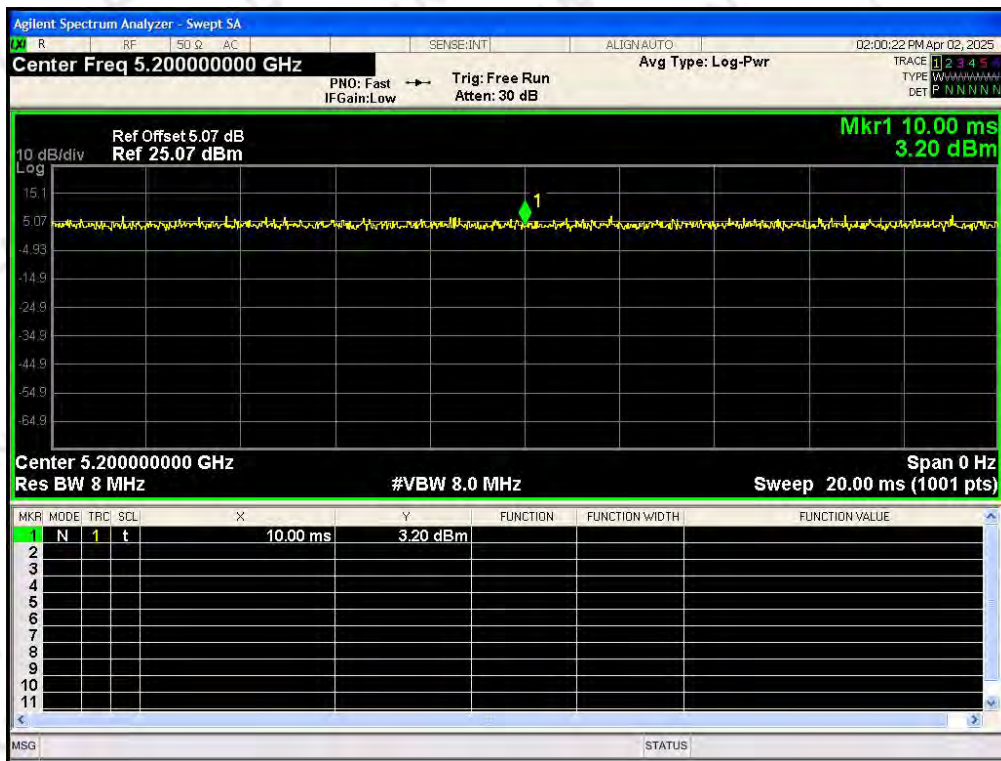
Duty Cycle

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

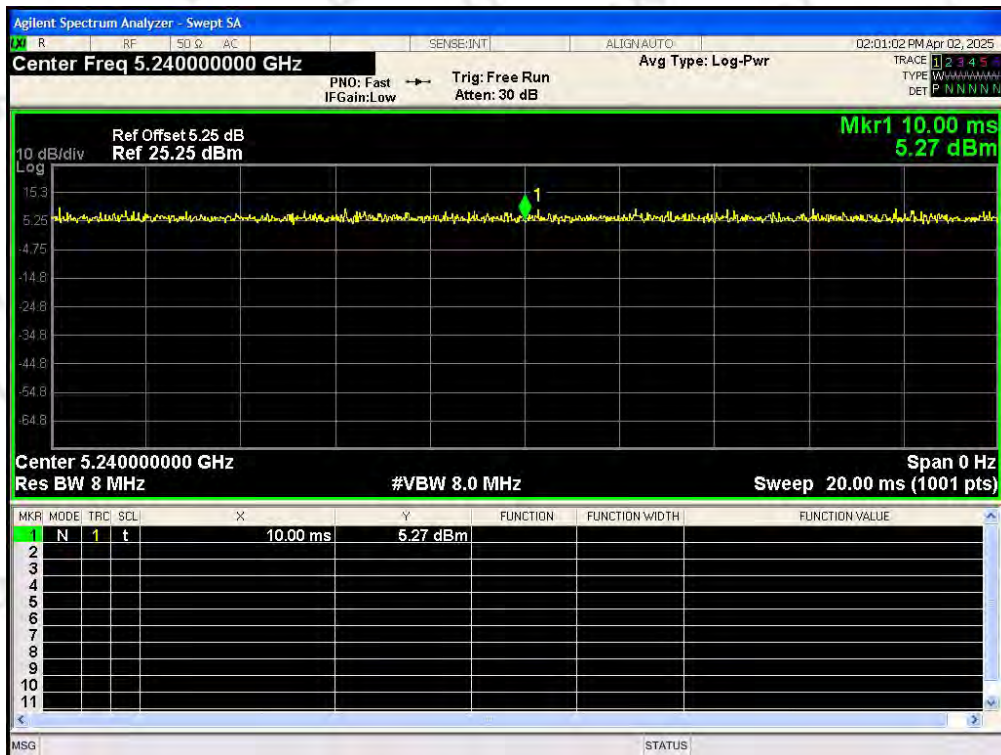
Duty Cycle NVNT 802.11a 5180MHz



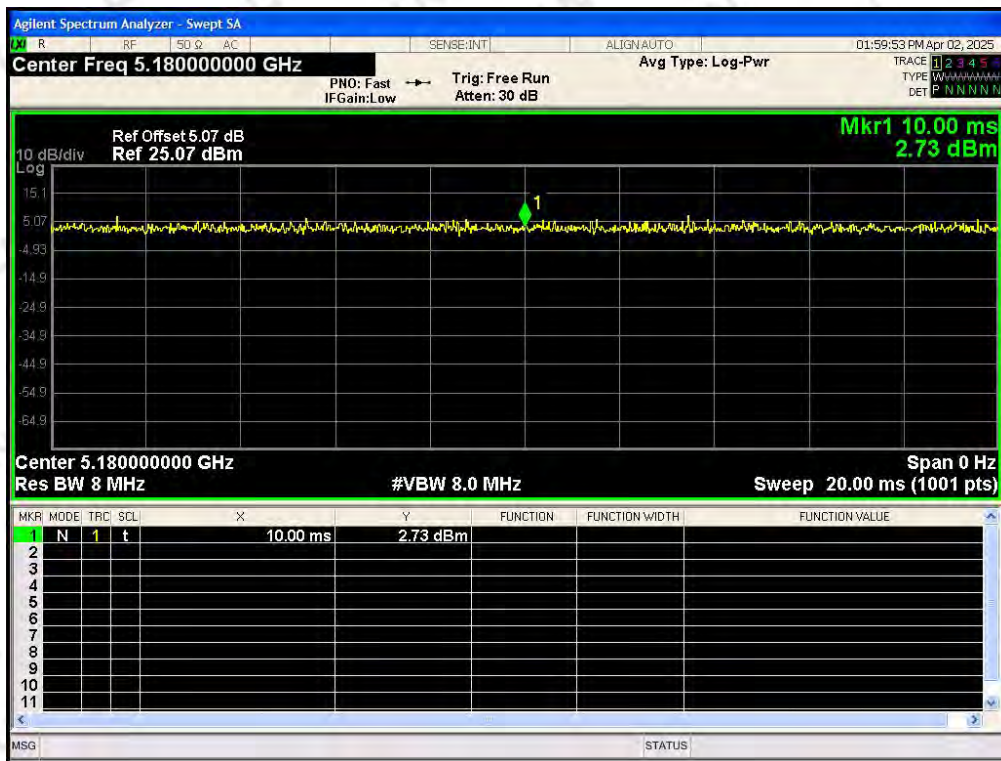
Duty Cycle NVNT 802.11a 5200MHz



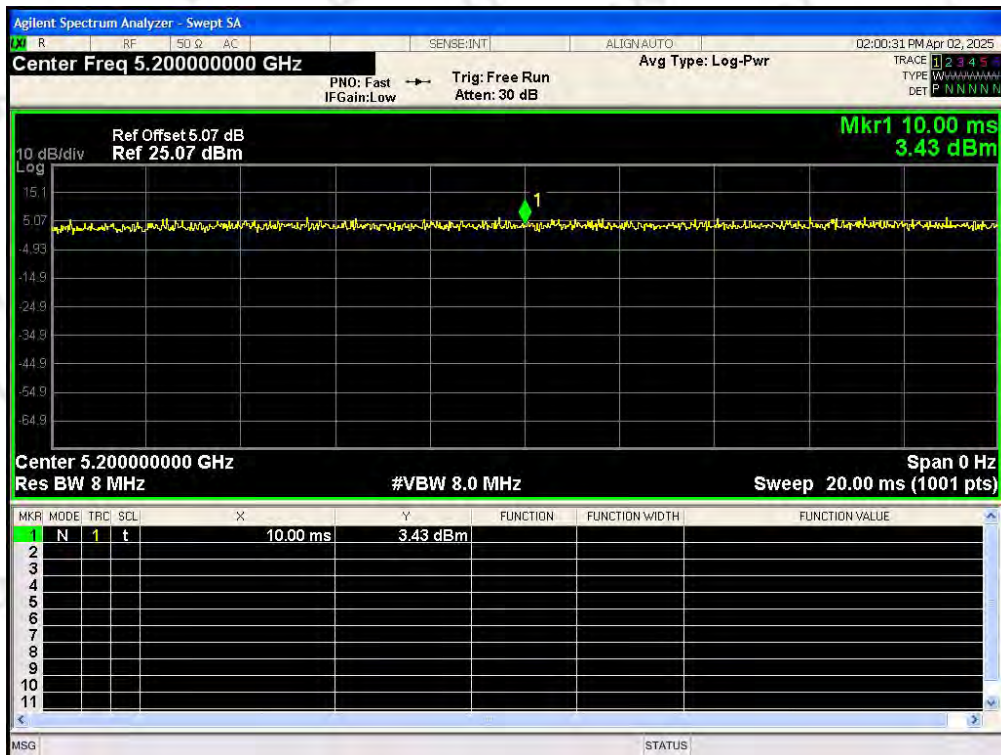
Duty Cycle NVNT 802.11a 5240MHz



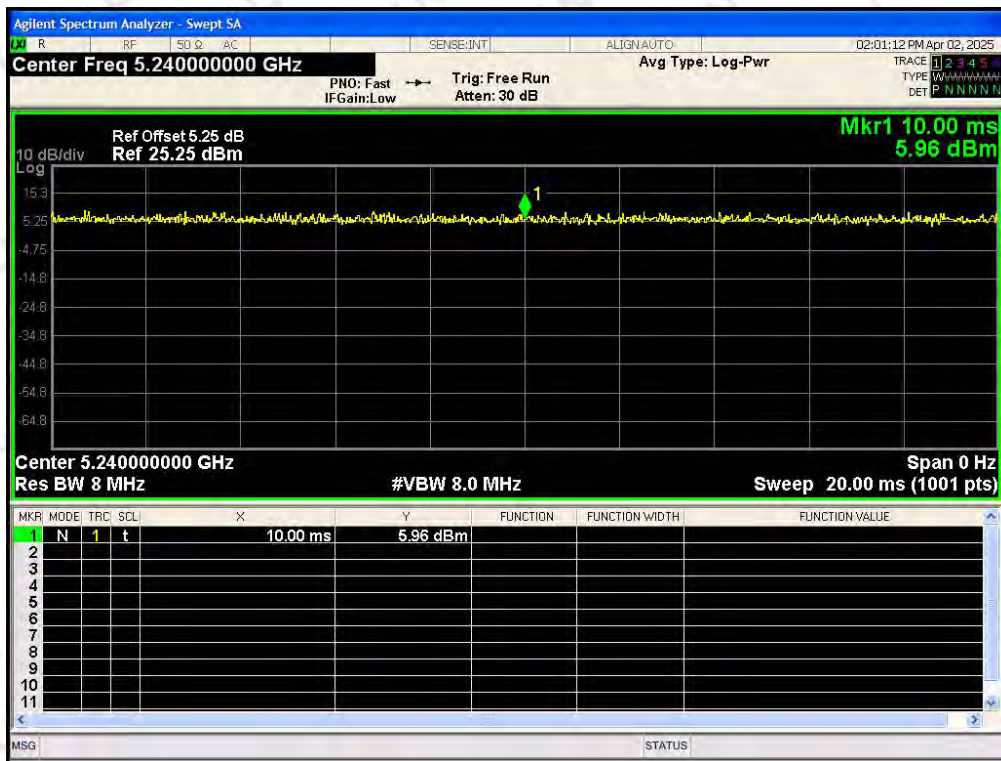
Duty Cycle NVNT 802.11ac20 5180MHz



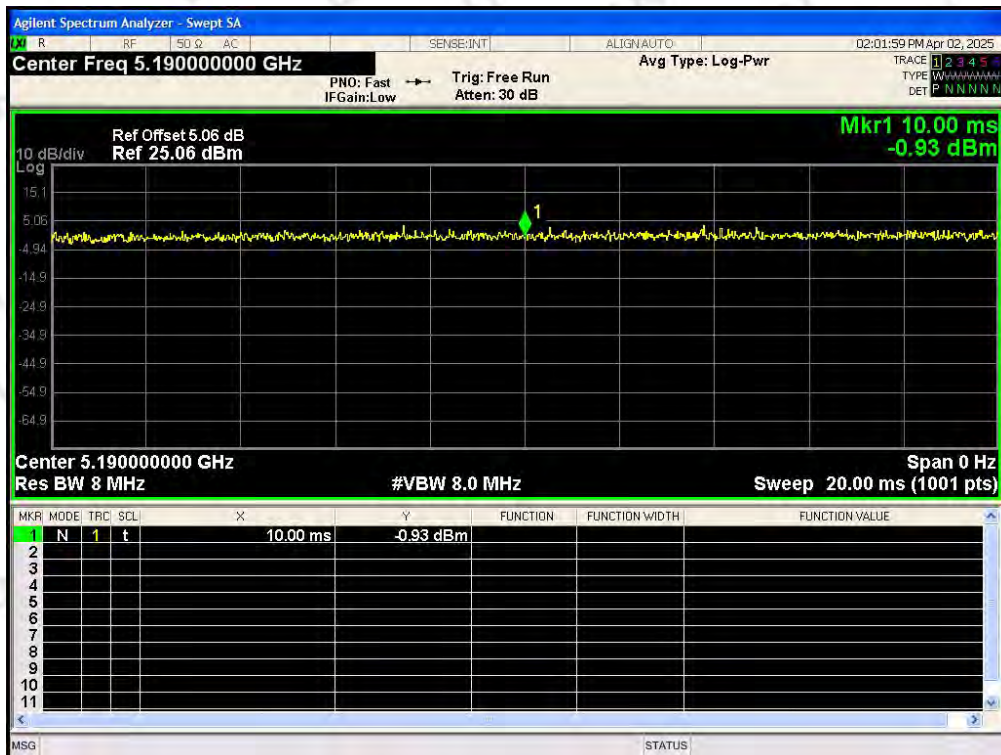
Duty Cycle NVNT 802.11ac20 5200MHz



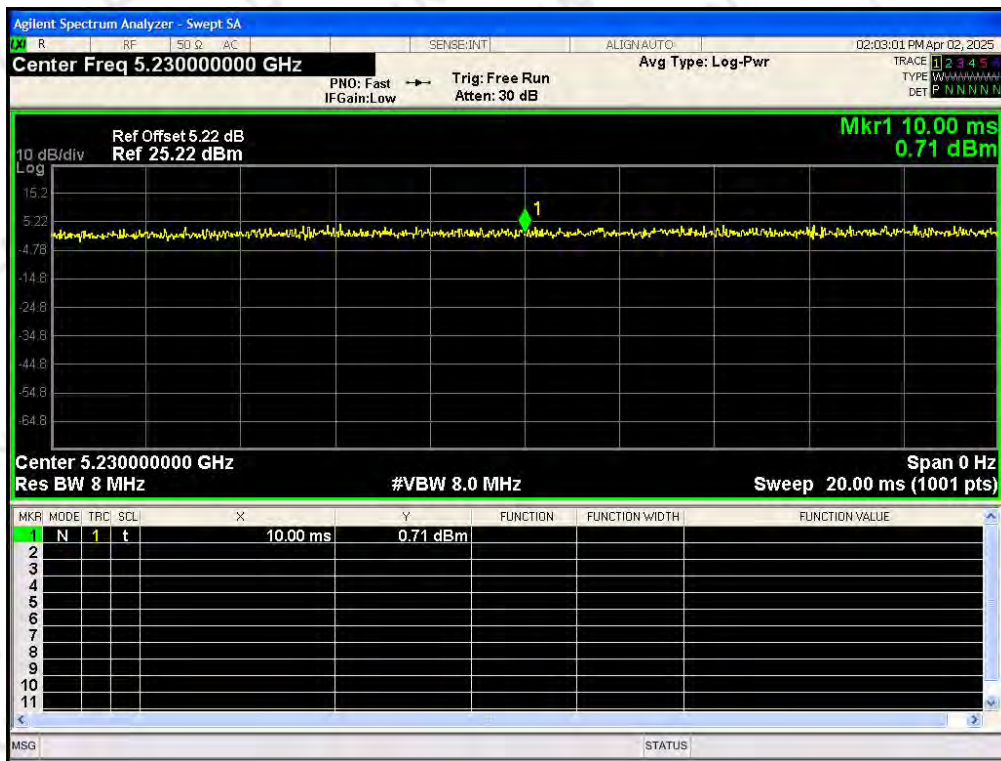
Duty Cycle NVNT 802.11ac20 5240MHz



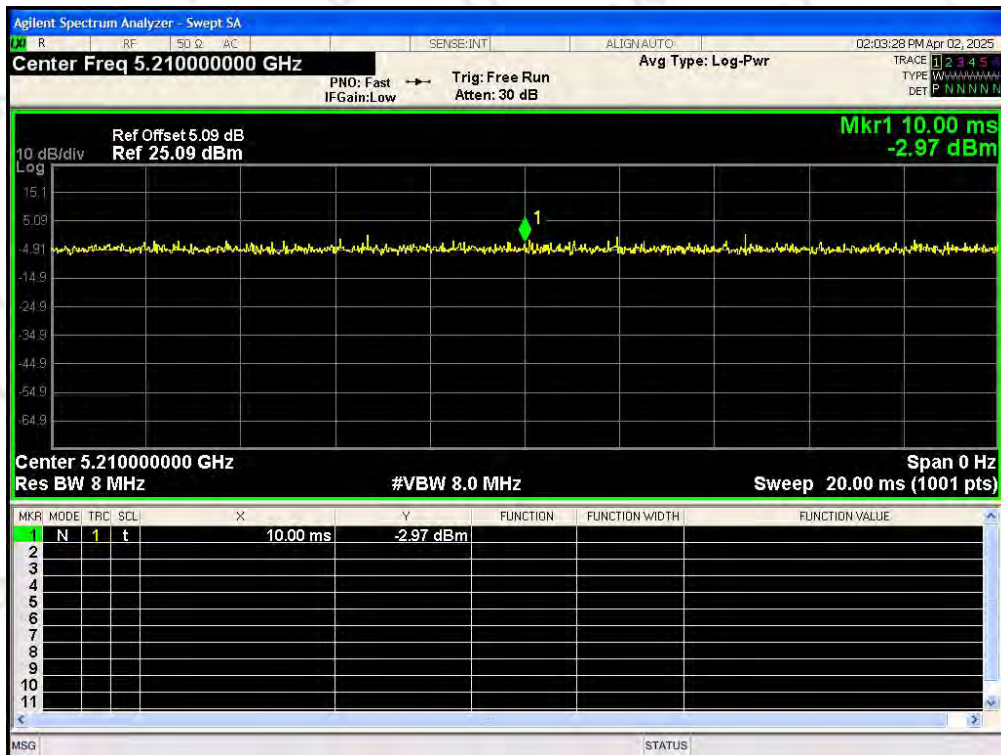
Duty Cycle NVNT 802.11ac40 5190MHz



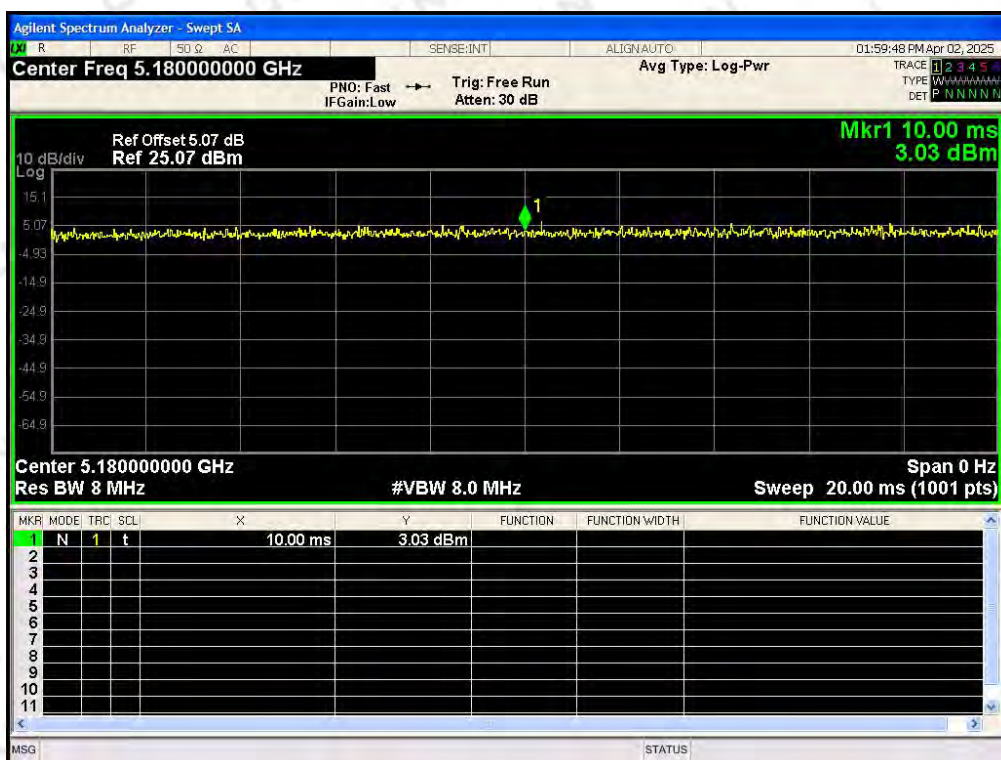
Duty Cycle NVNT 802.11ac40 5230MHz



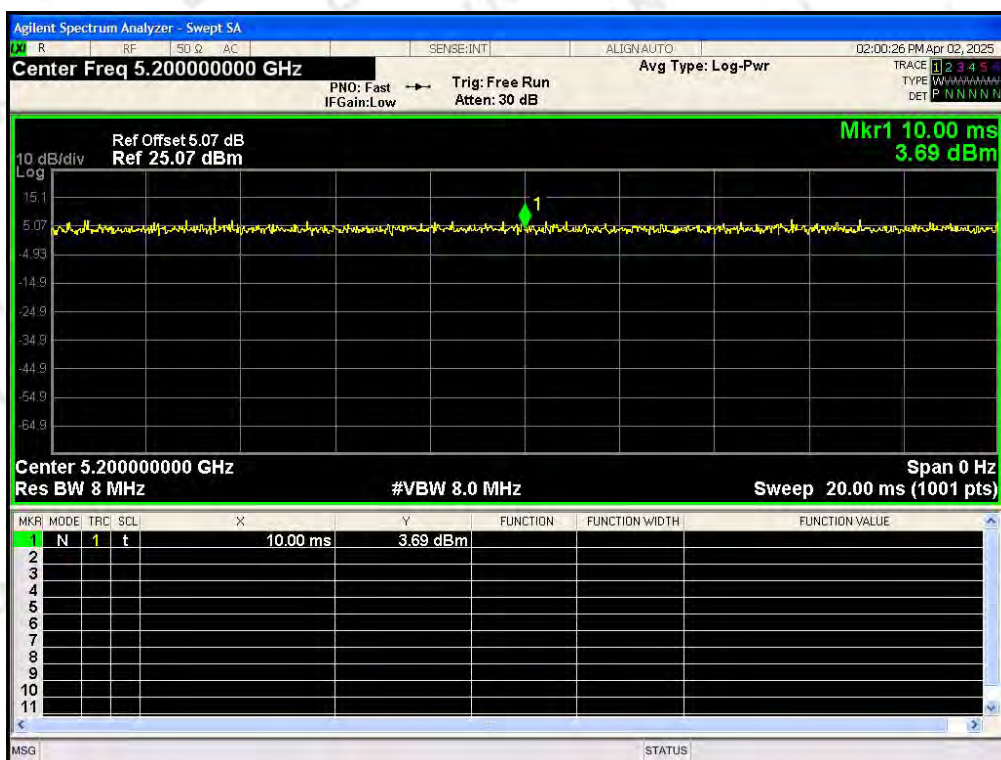
Duty Cycle NVNT 802.11ac80 5210MHz



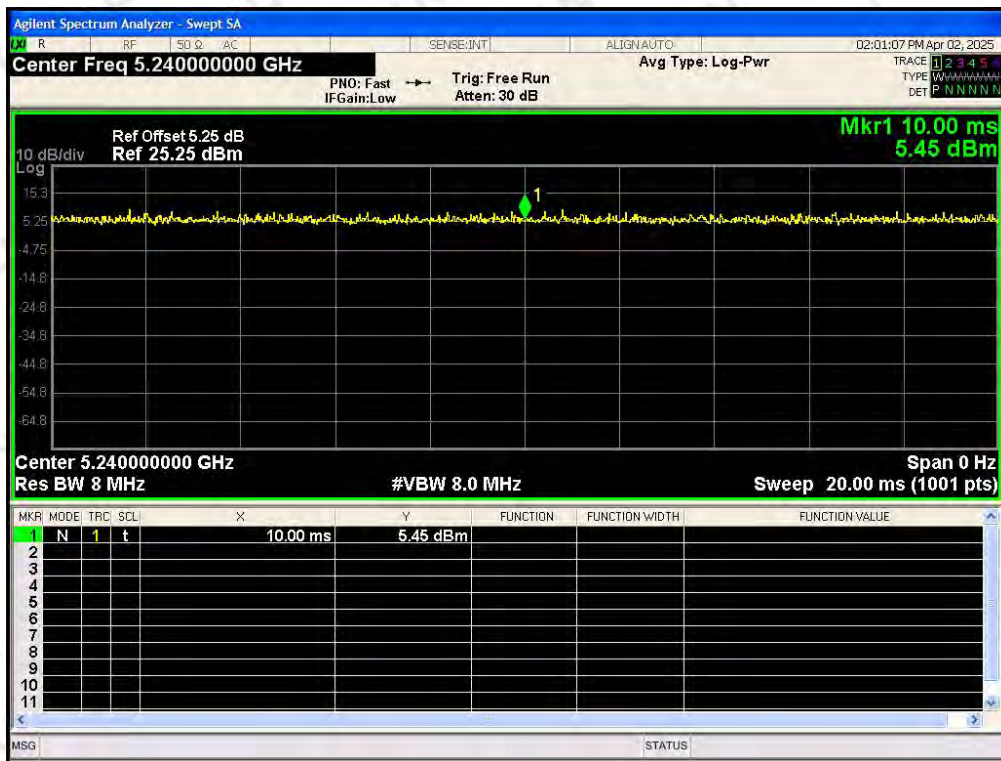
Duty Cycle NVNT 802.11n(HT20) 5180MHz



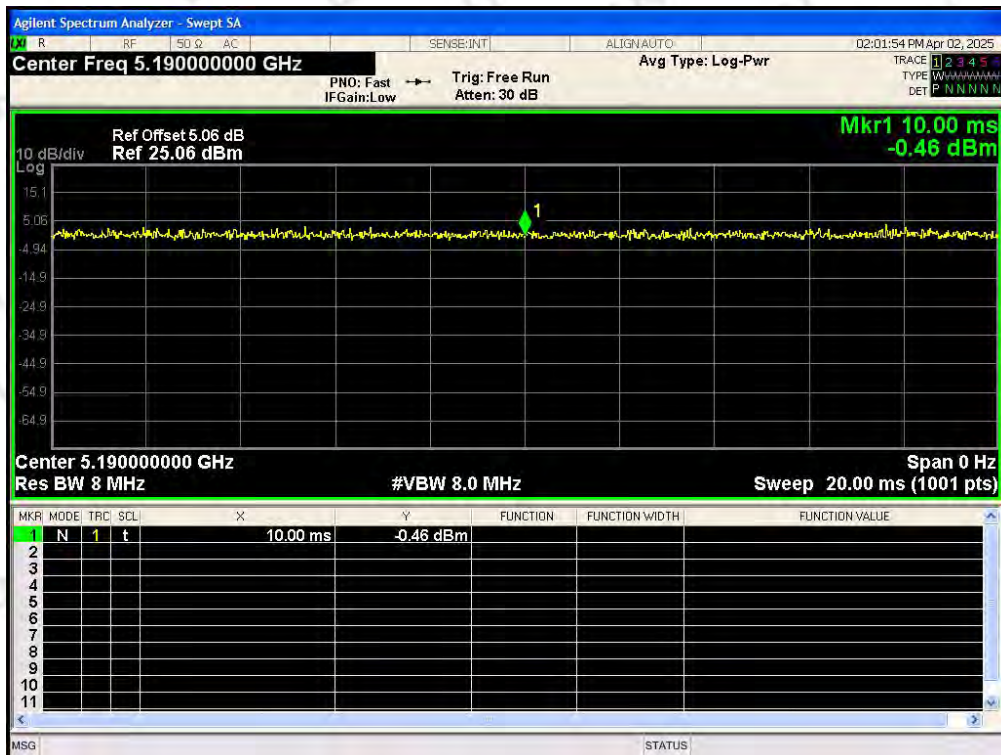
Duty Cycle NVNT 802.11n(HT20) 5200MHz



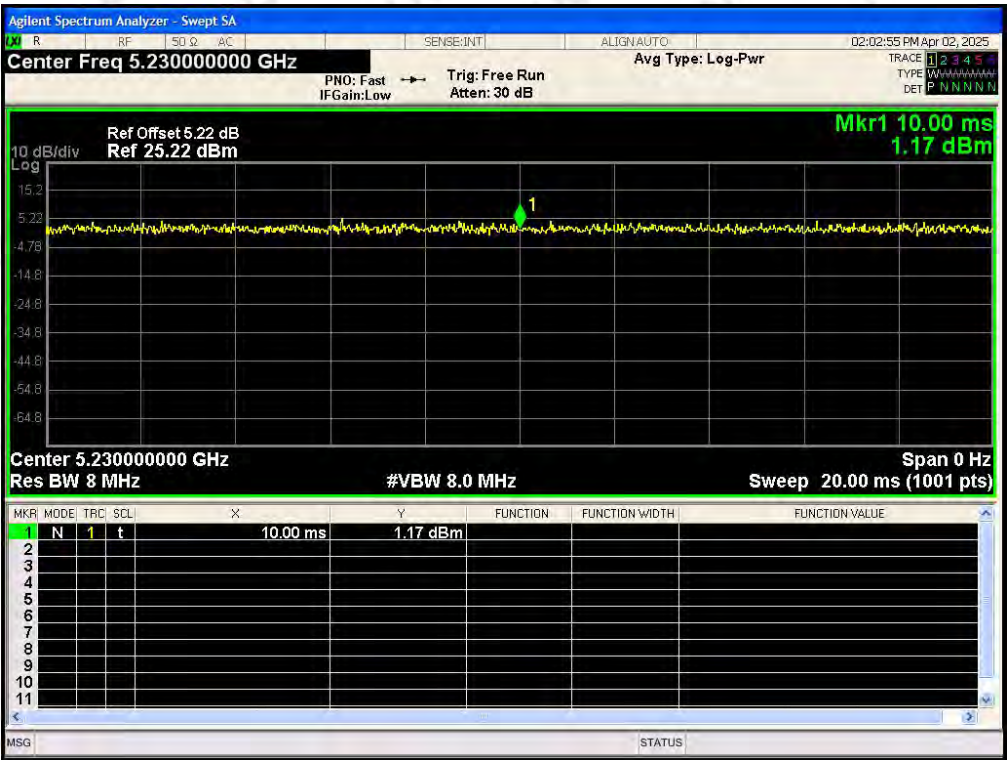
Duty Cycle NVNT 802.11n(HT20) 5240MHz



Duty Cycle NVNT 802.11n(HT40) 5190MHz



Duty Cycle NVNT 802.11n(HT40) 5230MHz



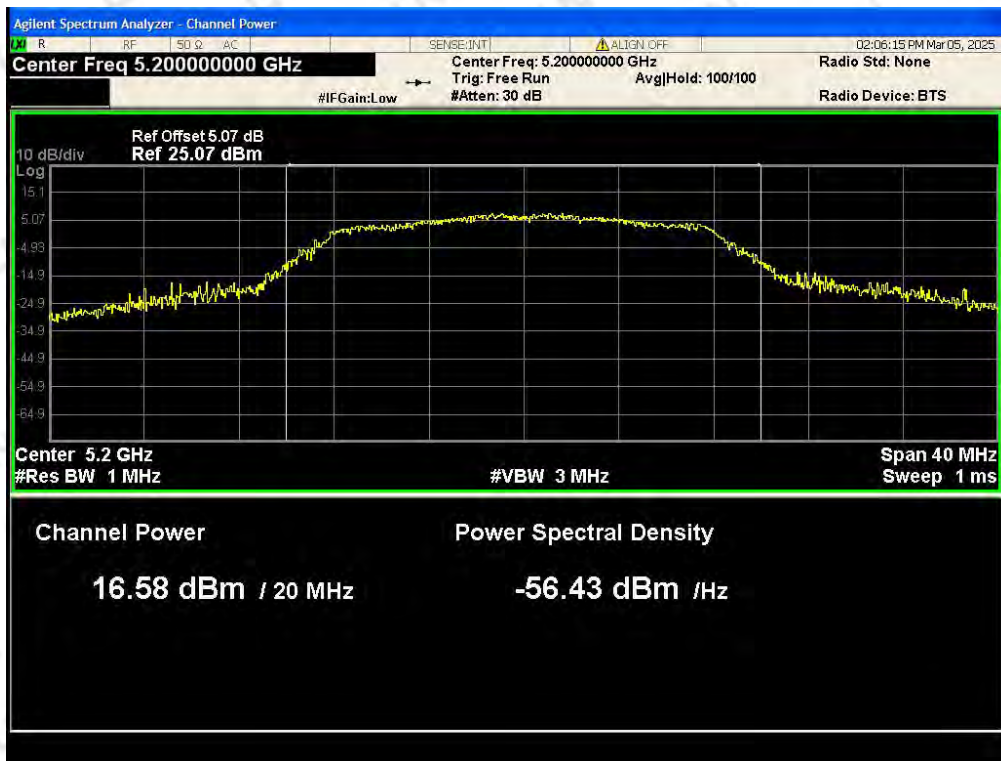
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 2	13.10	0	13.10	24	Pass
NVNT	802.11a	5200	Ant 2	16.58	0	16.58	24	Pass
NVNT	802.11a	5240	Ant 2	12.37	0	12.37	24	Pass
NVNT	802.11ac20	5180	Ant 2	13.51	0	13.51	24	Pass
NVNT	802.11ac20	5200	Ant 2	13.89	0	13.89	24	Pass
NVNT	802.11ac20	5240	Ant 2	12.88	0	12.88	24	Pass
NVNT	802.11ac40	5190	Ant 2	14.97	0	14.97	24	Pass
NVNT	802.11ac40	5230	Ant 2	16.49	0	16.49	24	Pass
NVNT	802.11ac80	5210	Ant 2	18.78	0	18.78	24	Pass
NVNT	802.11n(HT20)	5180	Ant 2	14.18	0	14.18	24	Pass
NVNT	802.11n(HT20)	5200	Ant 2	12.21	0	12.21	24	Pass
NVNT	802.11n(HT20)	5240	Ant 2	15.89	0	15.89	24	Pass
NVNT	802.11n(HT40)	5190	Ant 2	14.79	0	14.79	24	Pass
NVNT	802.11n(HT40)	5230	Ant 2	16.61	0	16.61	24	Pass

Power NVNT 802.11a 5180MHz Ant2



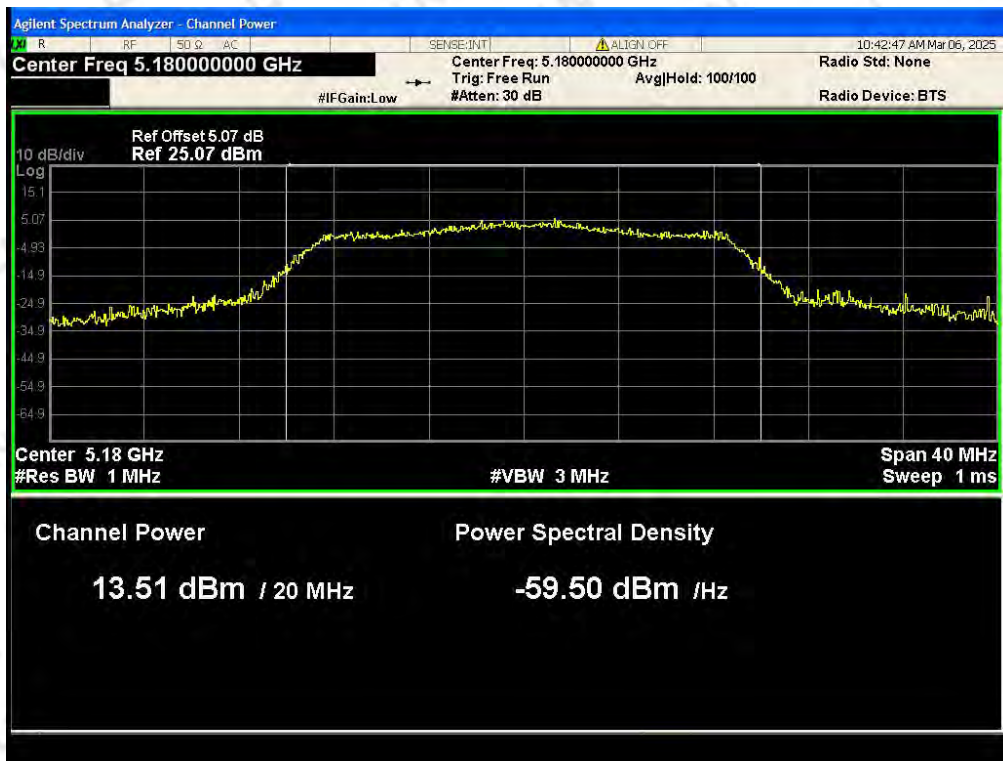
Power NVNT 802.11a 5200MHz Ant2



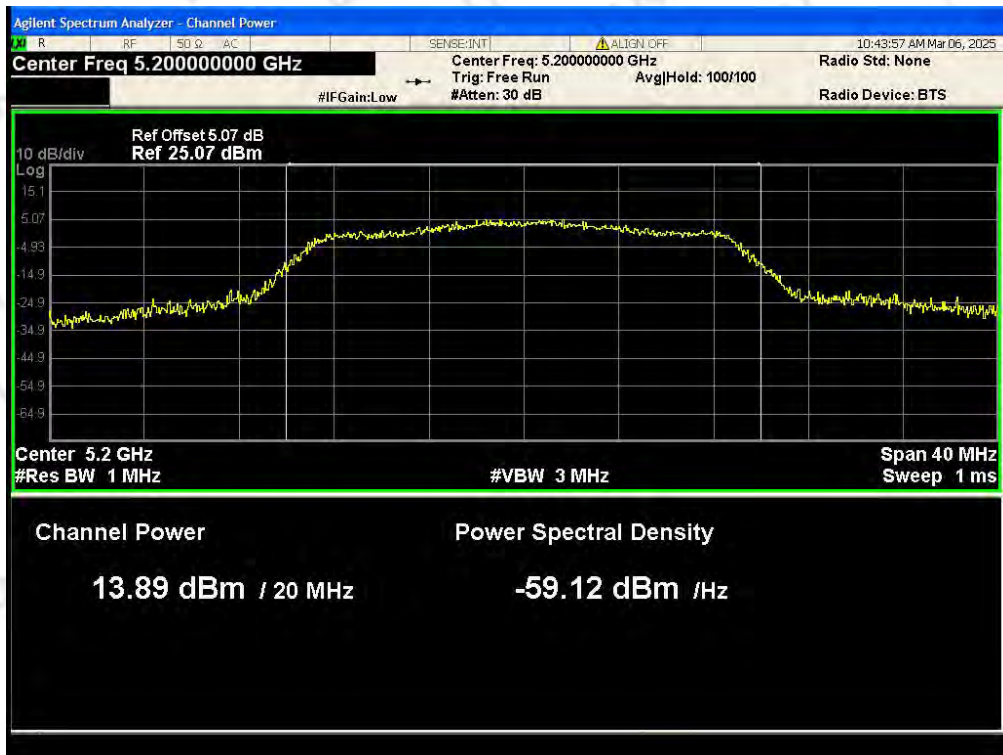
Power NVNT 802.11a 5240MHz Ant2



Power NVNT 802.11ac20 5180MHz Ant2



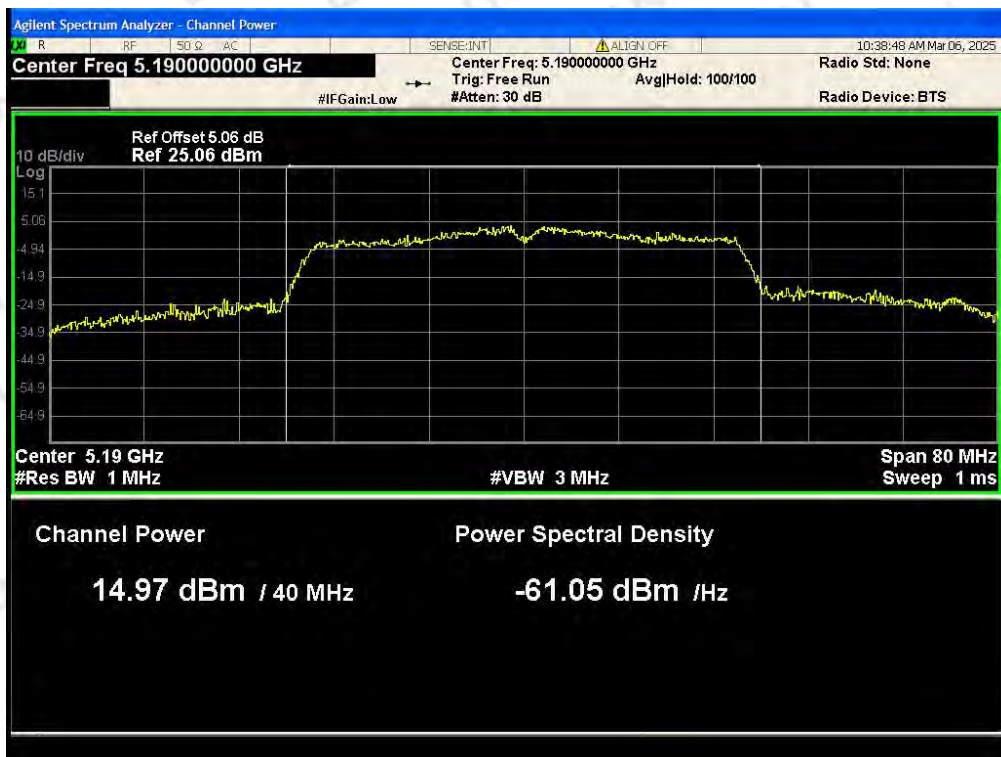
Power NVNT 802.11ac20 5200MHz Ant2



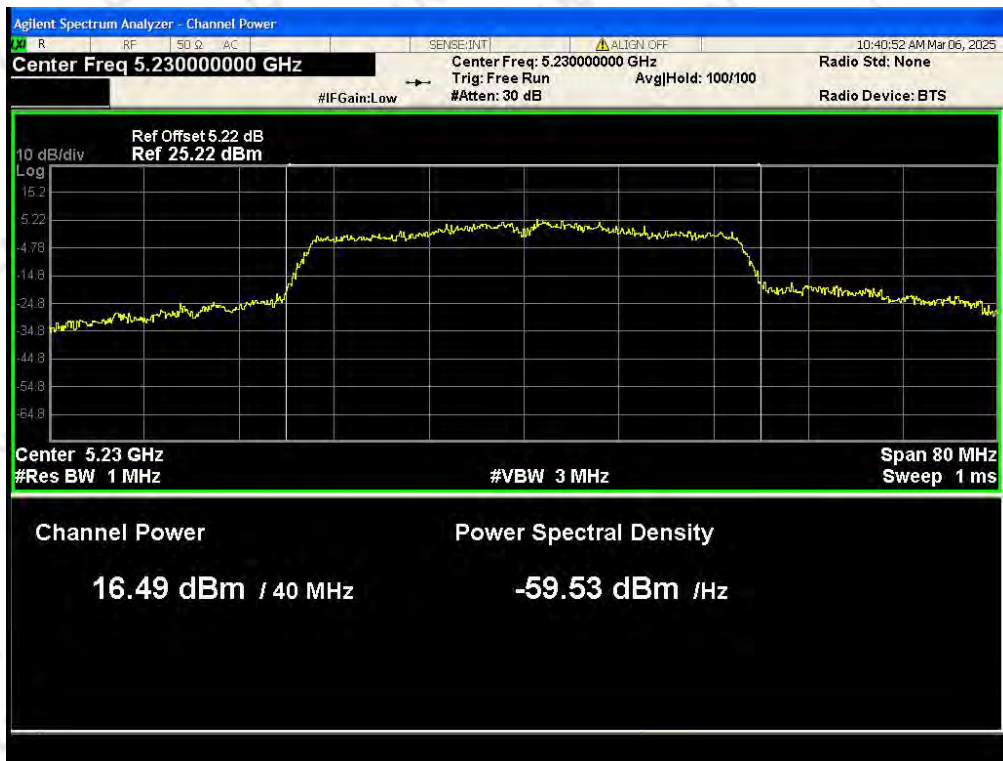
Power NVNT 802.11ac20 5240MHz Ant2



Power NVNT 802.11ac40 5190MHz Ant2



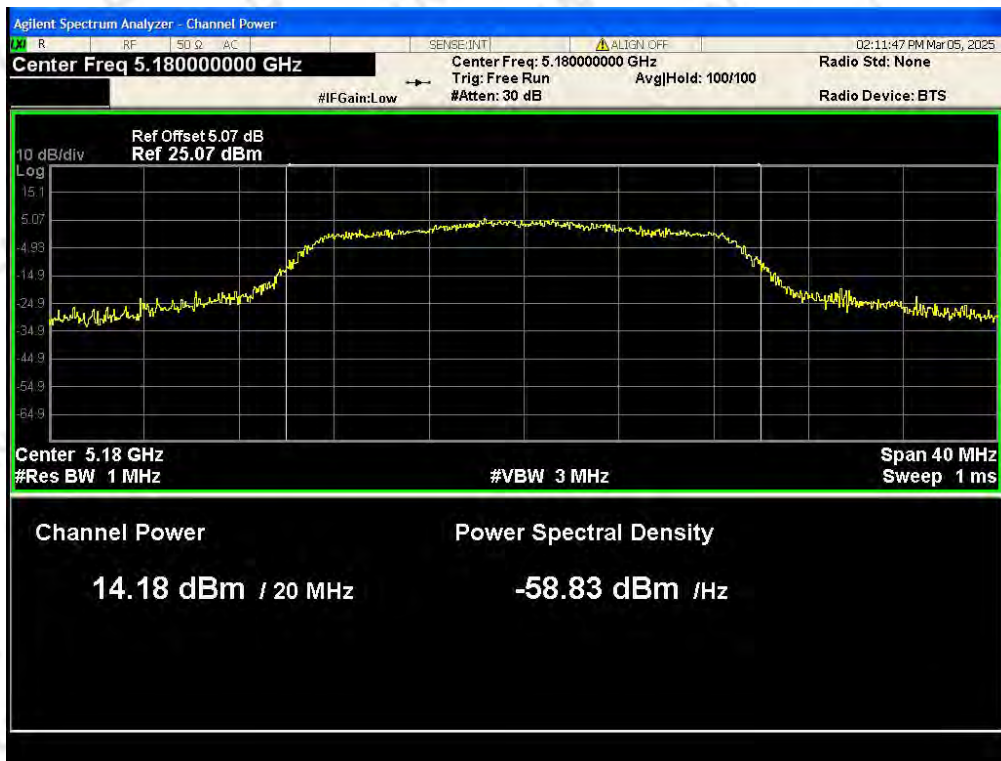
Power NVNT 802.11ac40 5230MHz Ant2



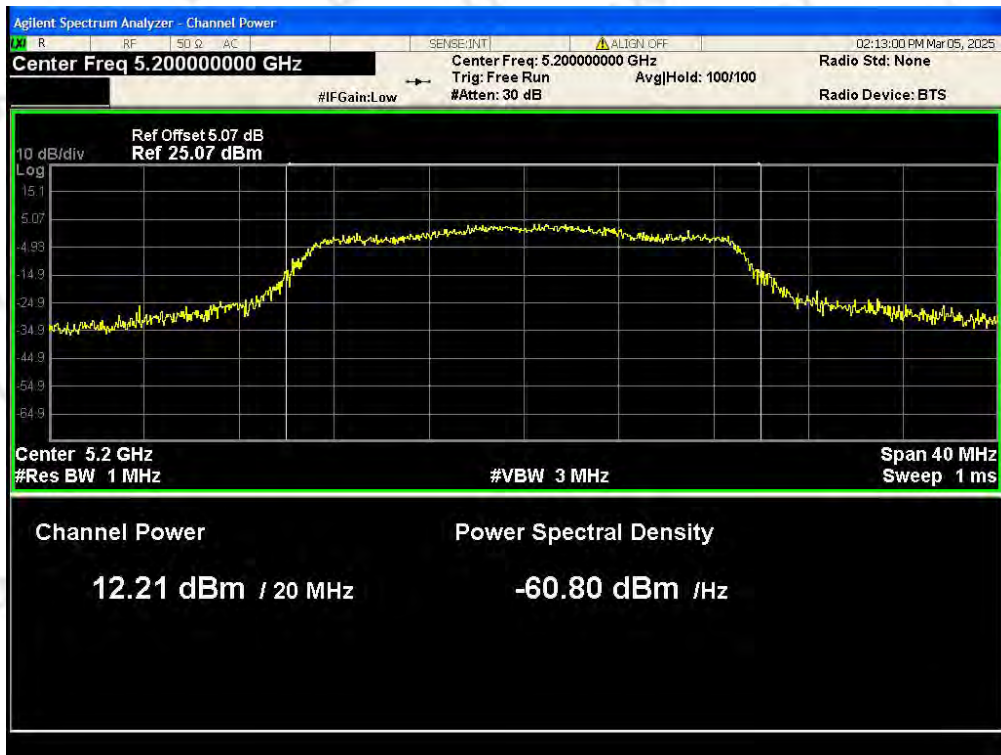
Power NVNT 802.11ac80 5210MHz Ant2



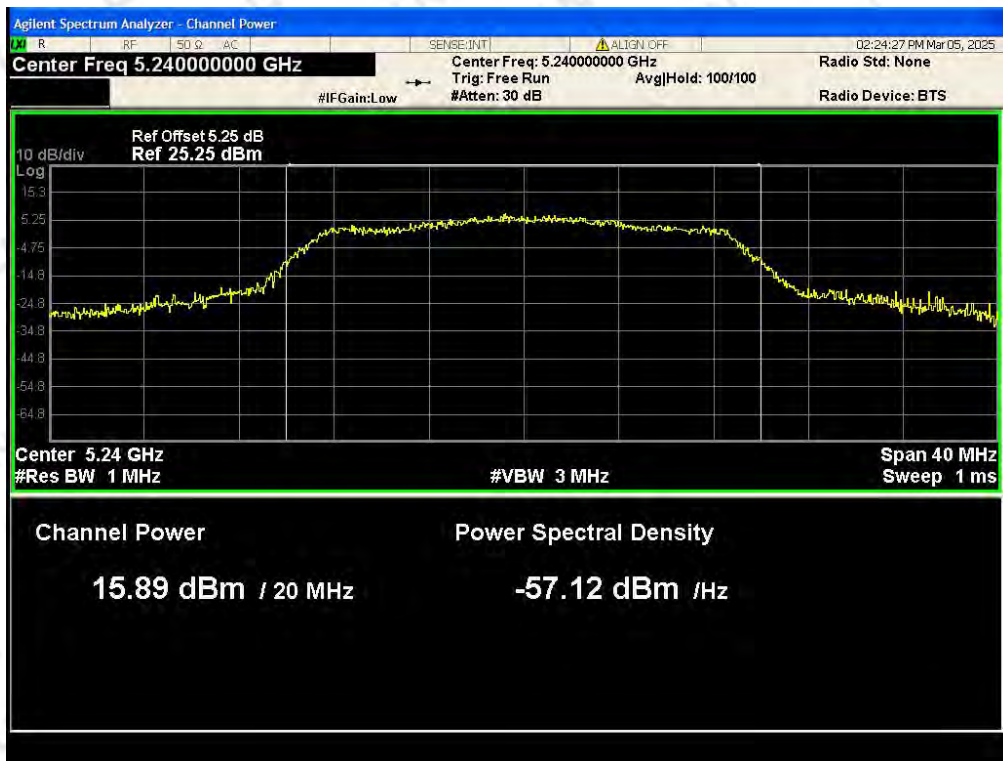
Power NVNT 802.11n(HT20) 5180MHz Ant2



Power NVNT 802.11n(HT20) 5200MHz Ant2



Power NVNT 802.11n(HT20) 5240MHz Ant2



Power NVNT 802.11n(HT40) 5190MHz Ant2



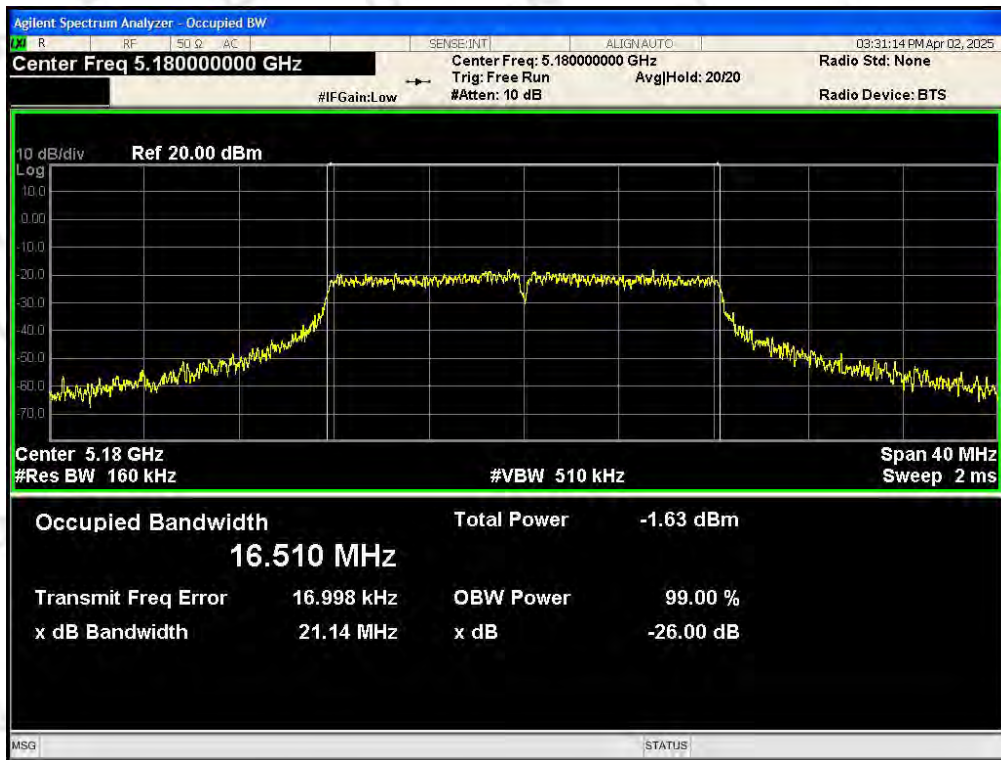
Power NVNT 802.11n(HT40) 5230MHz Ant2



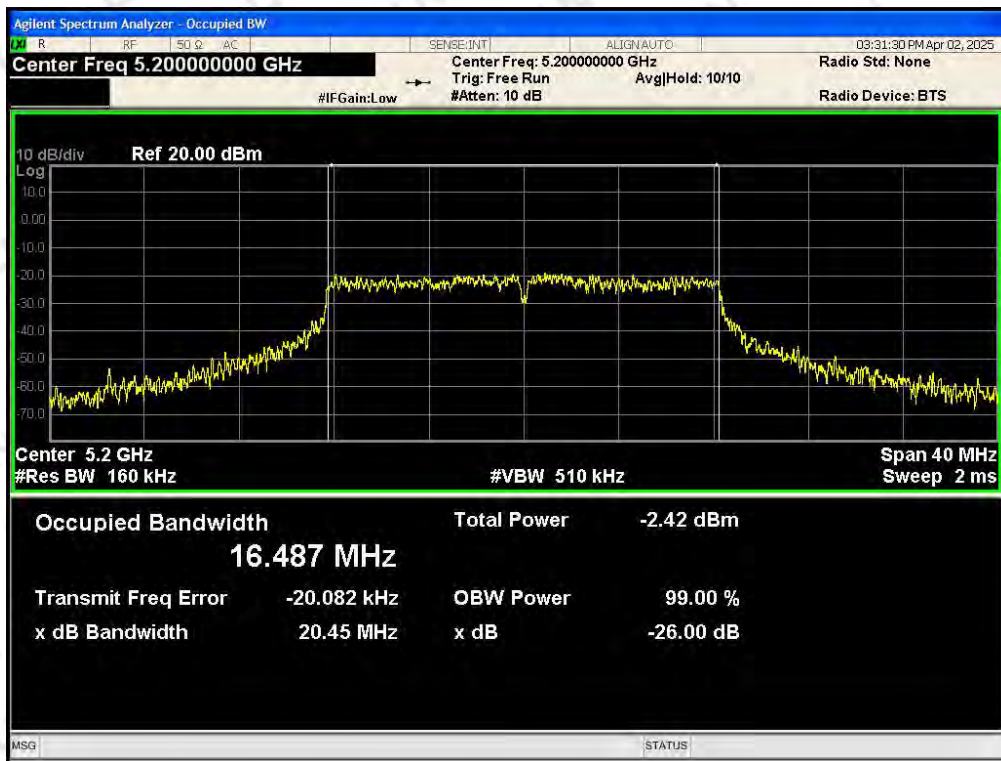
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Verdict
NVNT	802.11a	5180	Ant 2	16.510	Pass
NVNT	802.11a	5200	Ant 2	16.487	Pass
NVNT	802.11a	5240	Ant 2	16.494	Pass
NVNT	802.11ac20	5180	Ant 2	17.751	Pass
NVNT	802.11ac20	5200	Ant 2	17.723	Pass
NVNT	802.11ac20	5240	Ant 2	17.744	Pass
NVNT	802.11ac40	5190	Ant 2	36.045	Pass
NVNT	802.11ac40	5230	Ant 2	36.018	Pass
NVNT	802.11ac80	5210	Ant 2	75.642	Pass
NVNT	802.11n(HT20)	5180	Ant 2	17.730	Pass
NVNT	802.11n(HT20)	5200	Ant 2	17.751	Pass
NVNT	802.11n(HT20)	5240	Ant 2	17.724	Pass
NVNT	802.11n(HT40)	5190	Ant 2	36.027	Pass
NVNT	802.11n(HT40)	5230	Ant 2	36.026	Pass

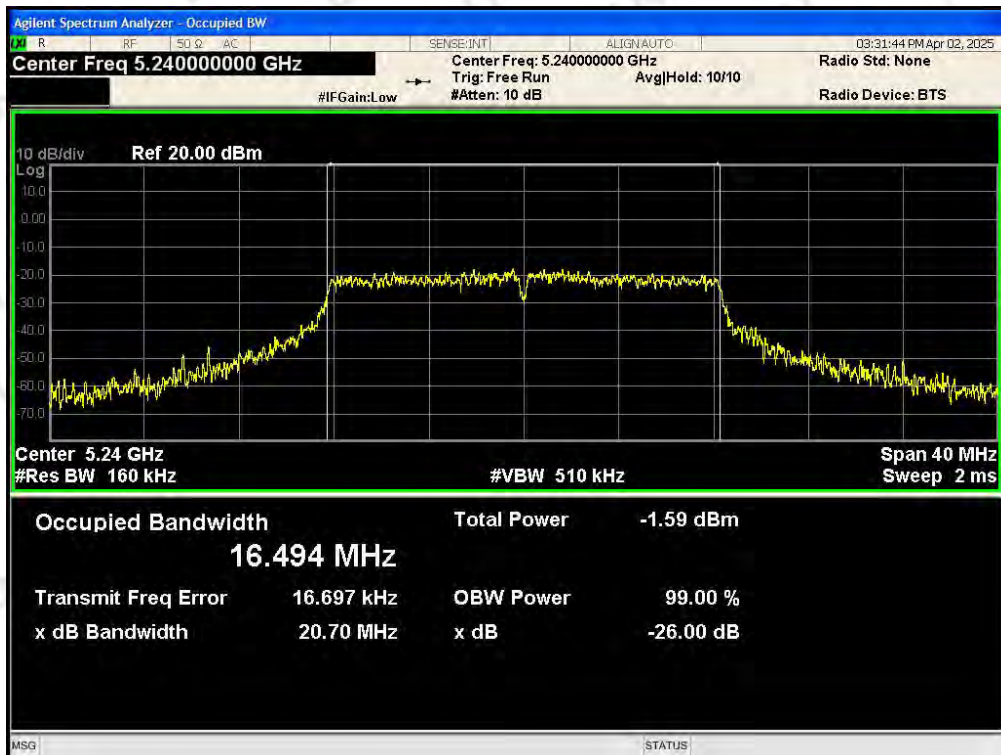
OBW NVNT 802.11a 5180MHz Ant2



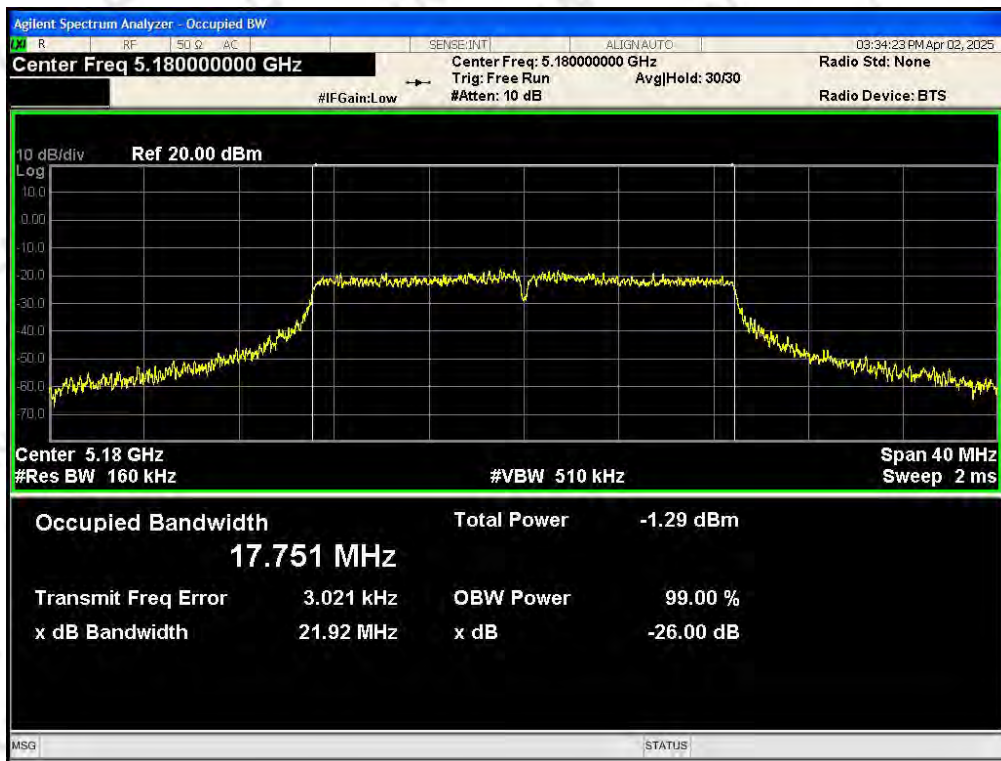
OBW NVNT 802.11a 5200MHz Ant2



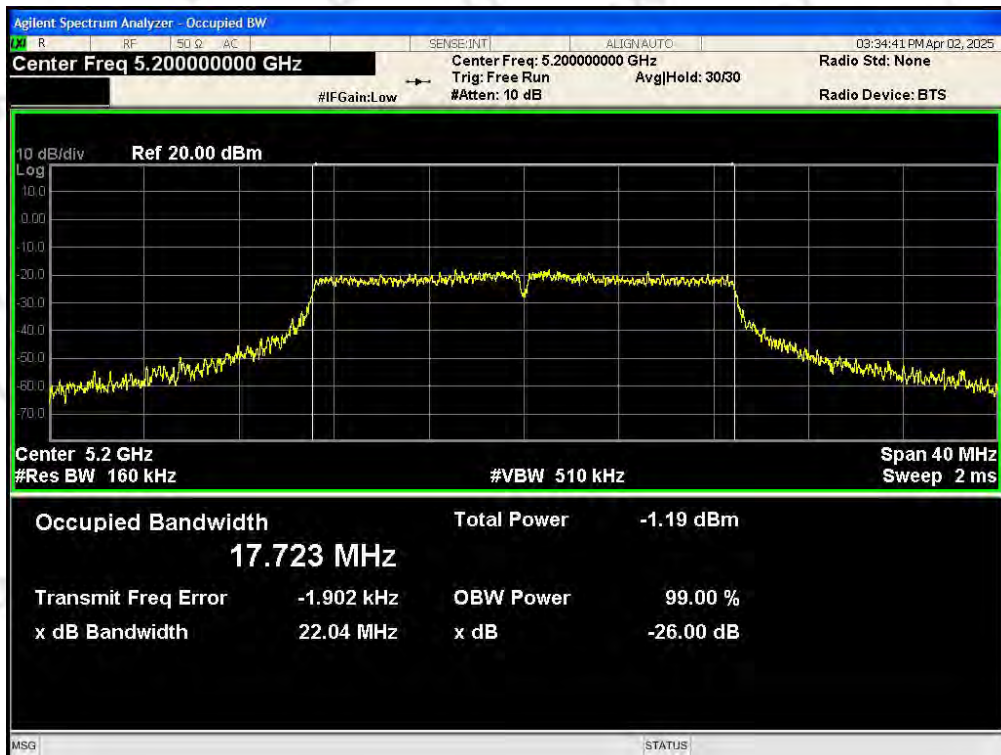
OBW NVNT 802.11a 5240MHz Ant2



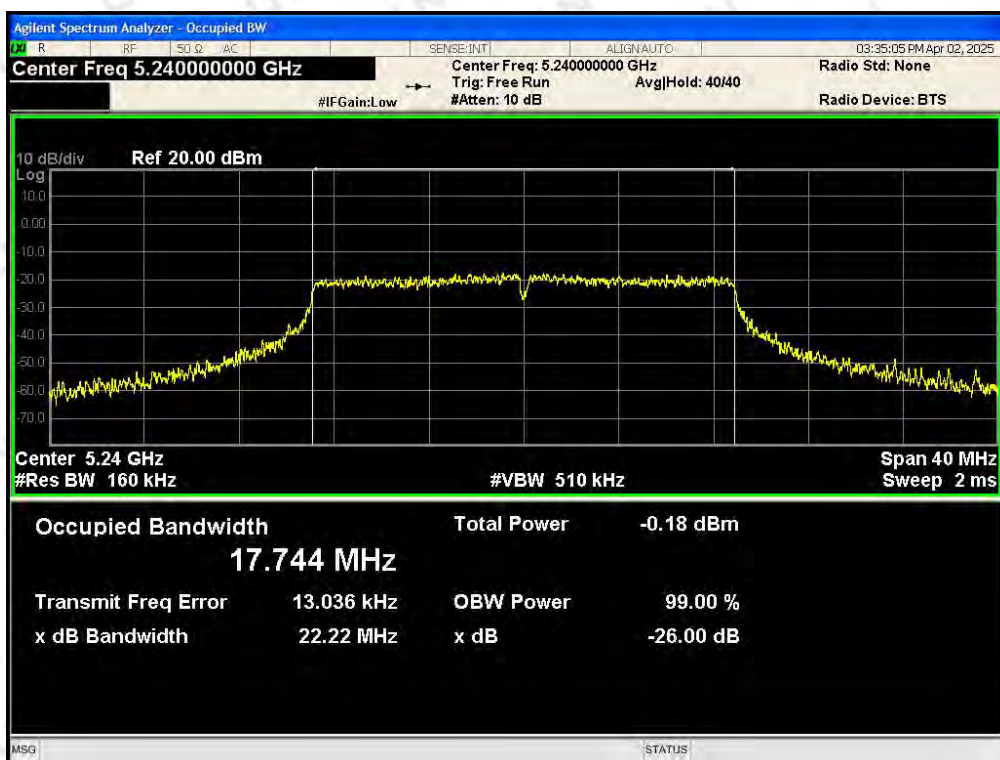
OBW NVNT 802.11ac20 5180MHz Ant2



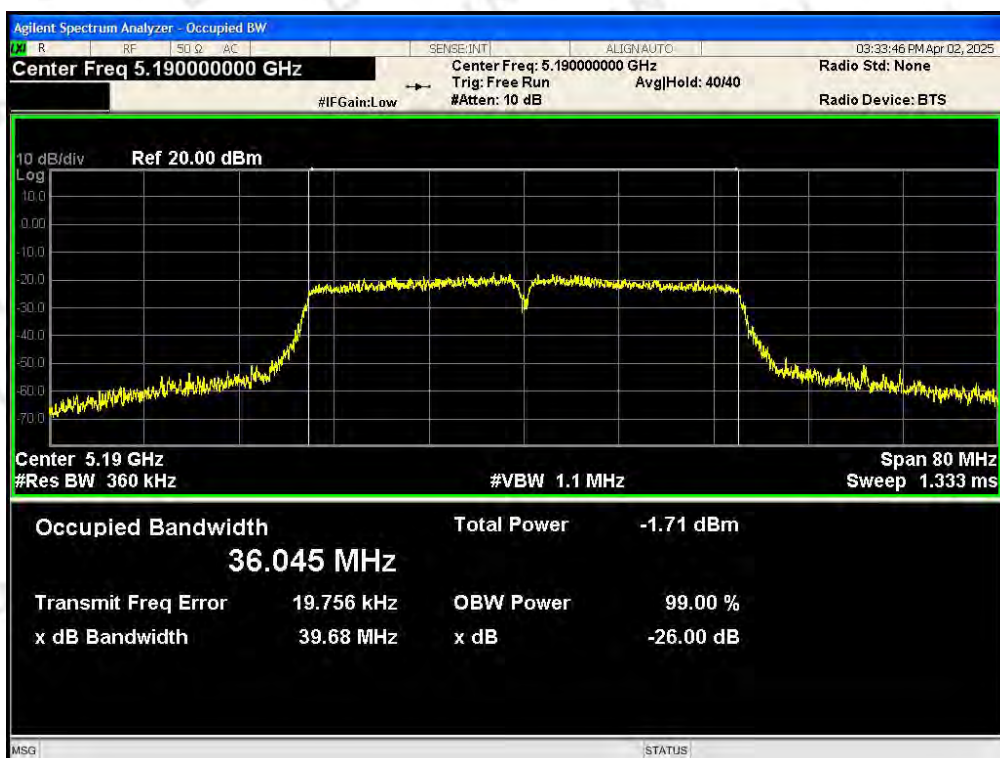
OBW NVNT 802.11ac20 5200MHz Ant2



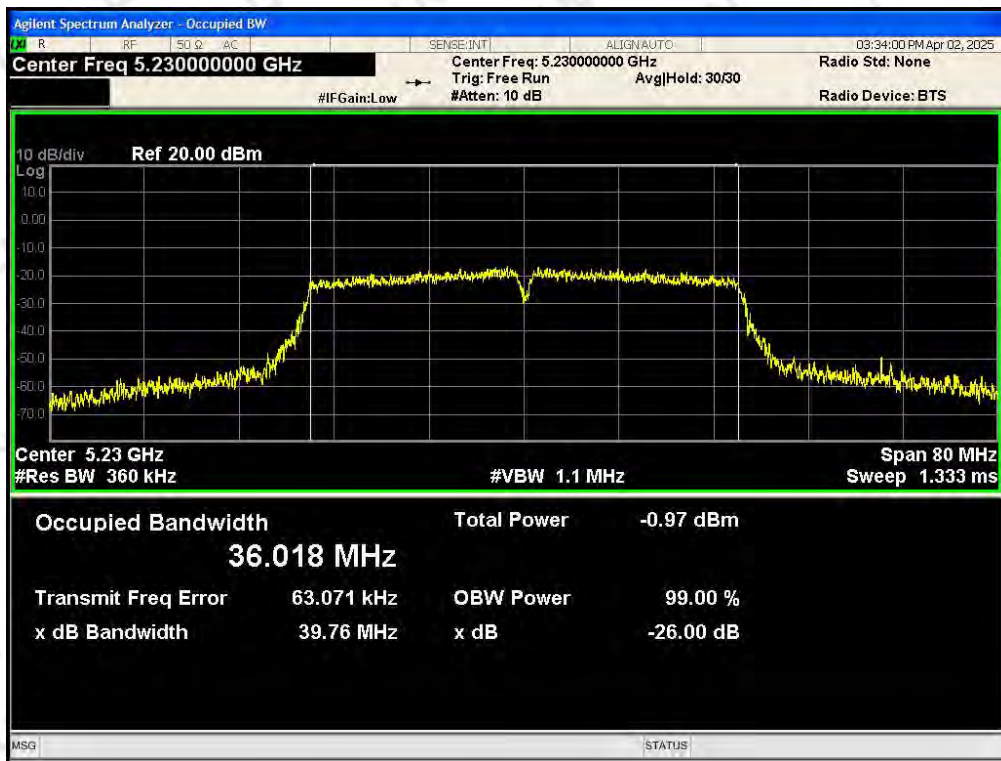
OBW NVNT 802.11ac20 5240MHz Ant2



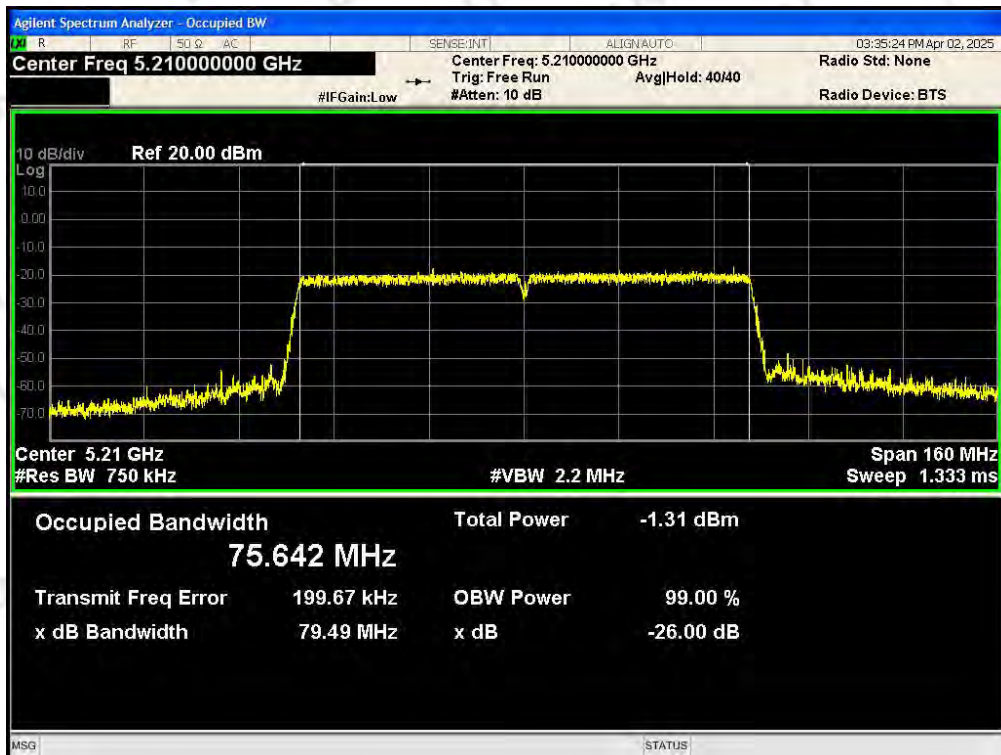
OBW NVNT 802.11ac40 5190MHz Ant2



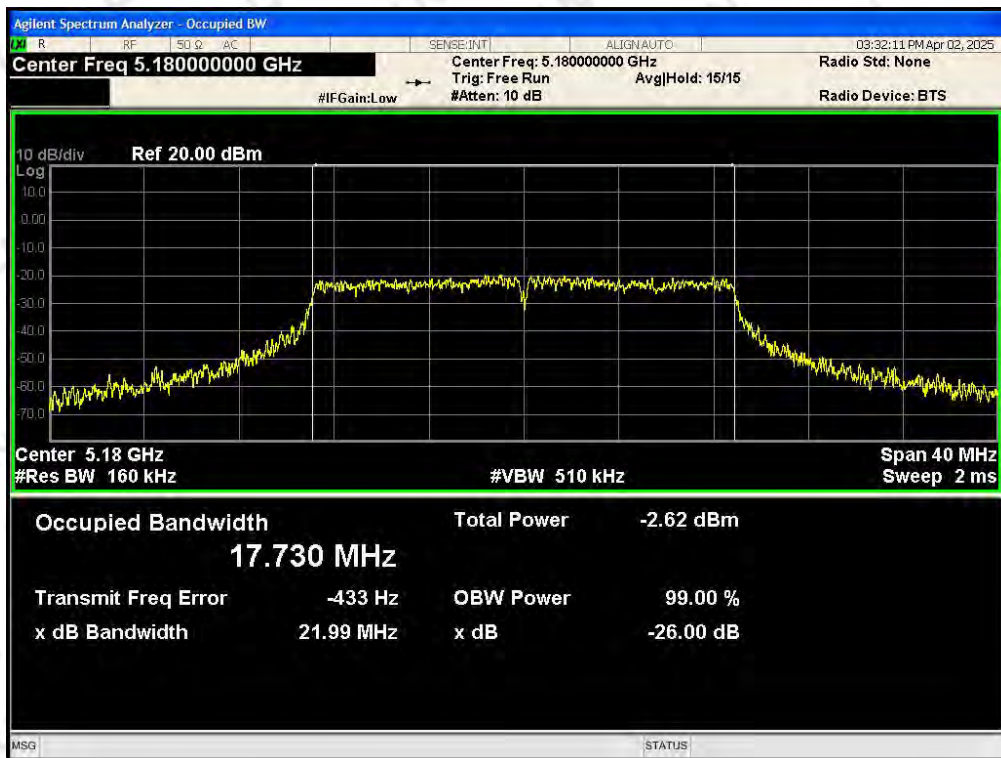
OBW NVNT 802.11ac40 5230MHz Ant2



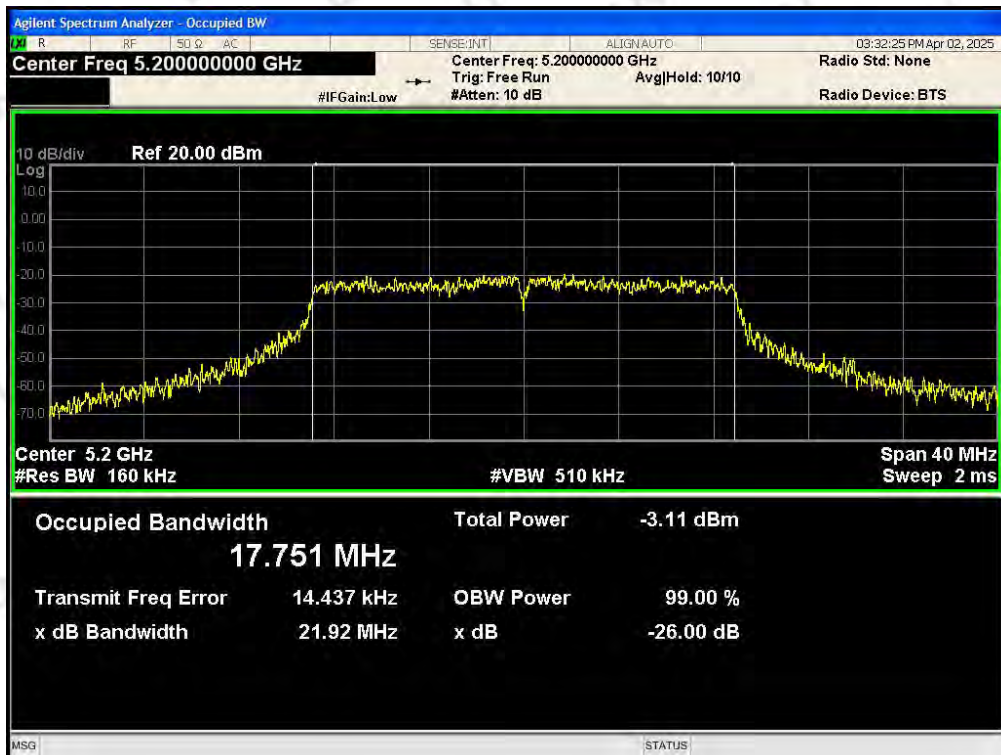
OBW NVNT 802.11ac80 5210MHz Ant2



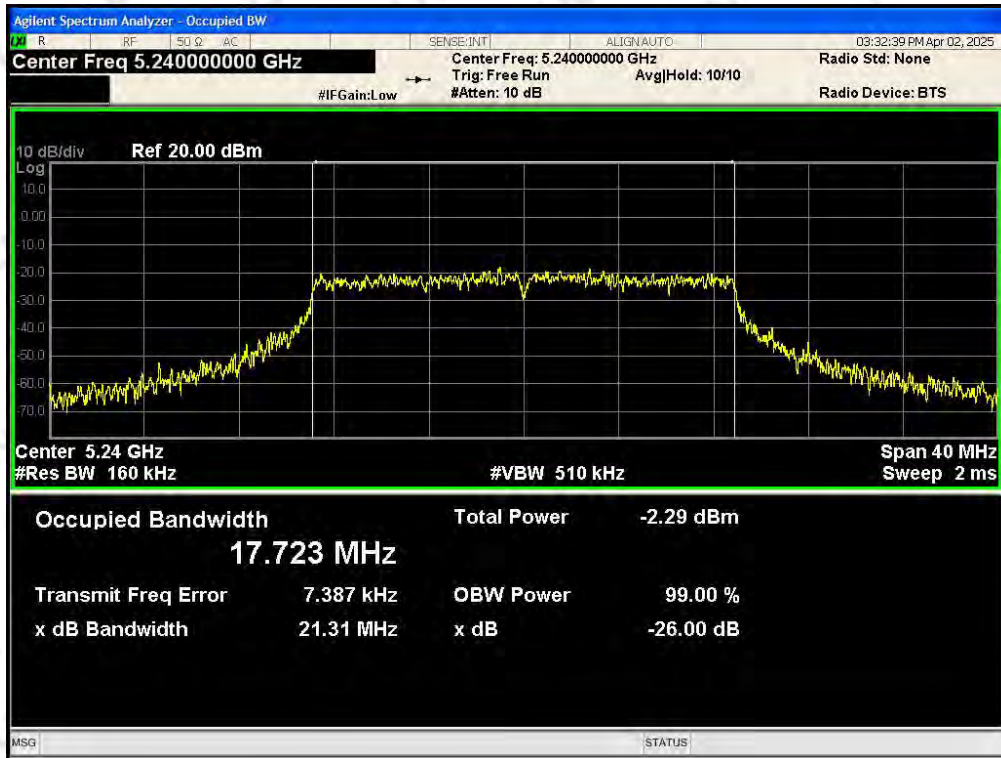
OBW NVNT 802.11n(HT20) 5180MHz Ant2



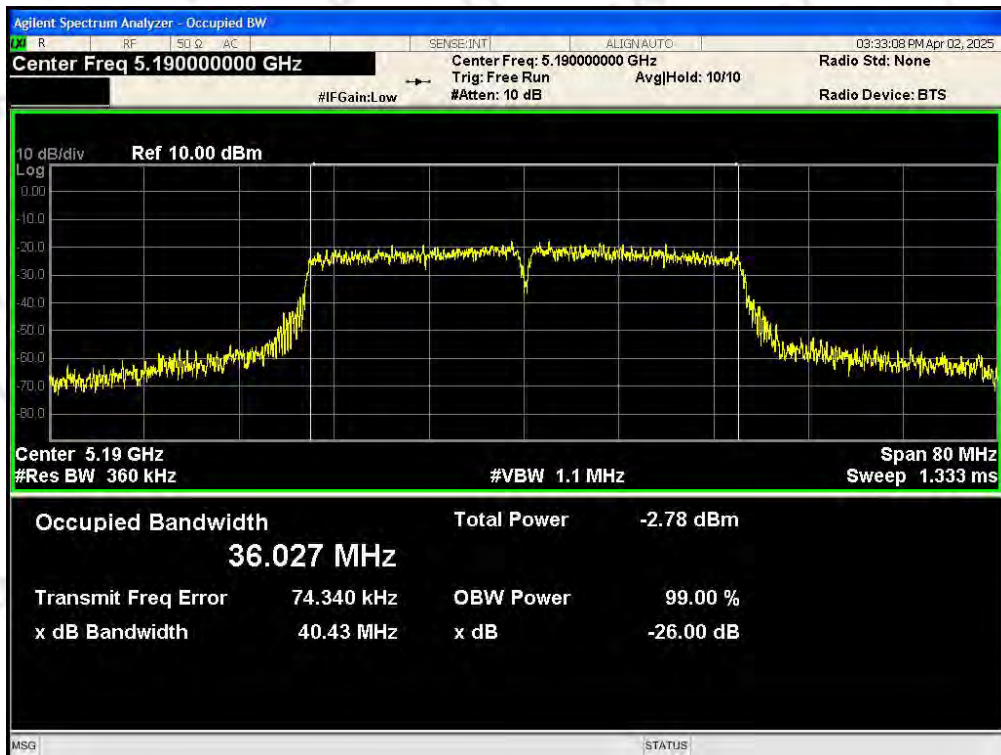
OBW NVNT 802.11n(HT20) 5200MHz Ant2



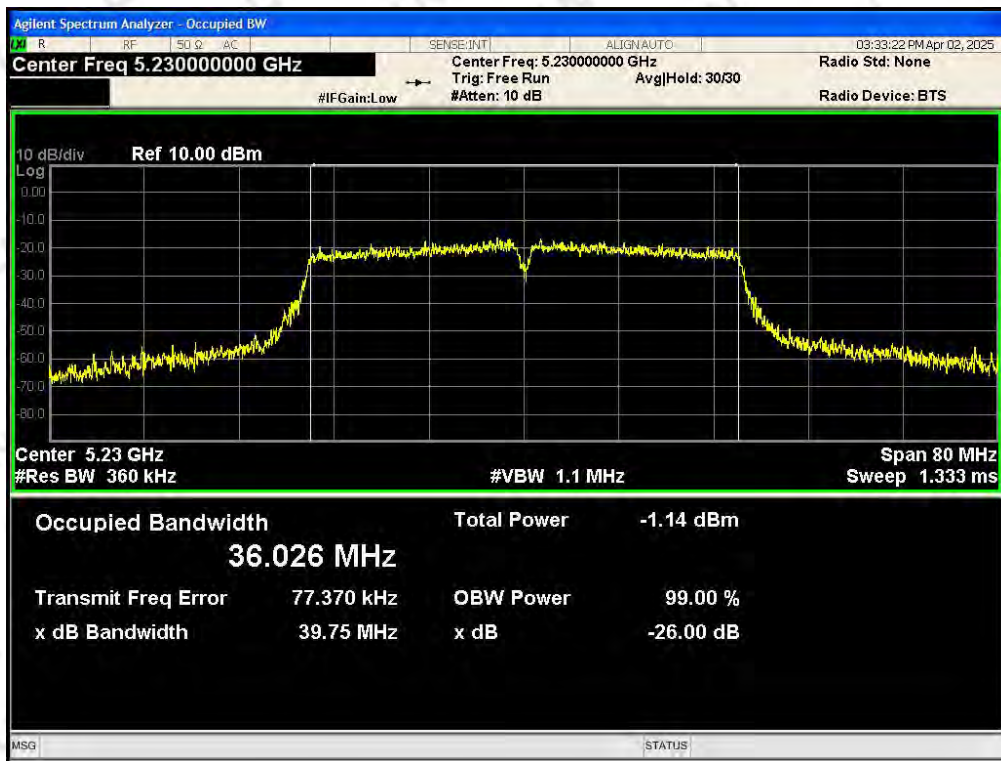
OBW NVNT 802.11n(HT20) 5240MHz Ant2



OBW NVNT 802.11n(HT40) 5190MHz Ant2



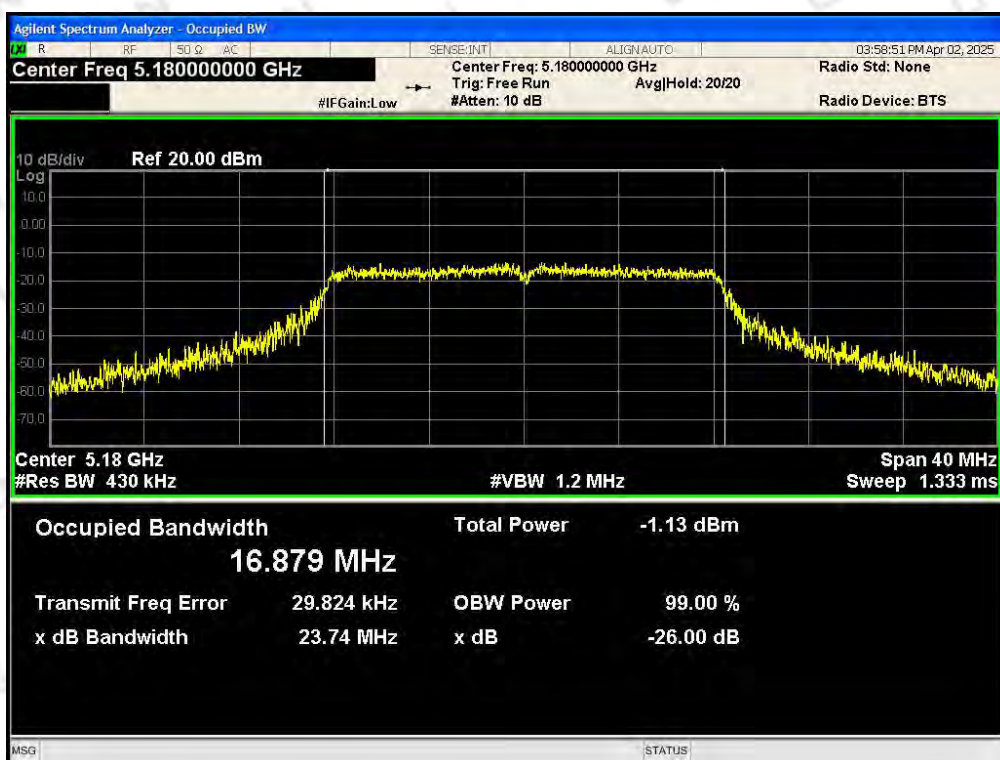
OBW NVNT 802.11n(HT40) 5230MHz Ant2



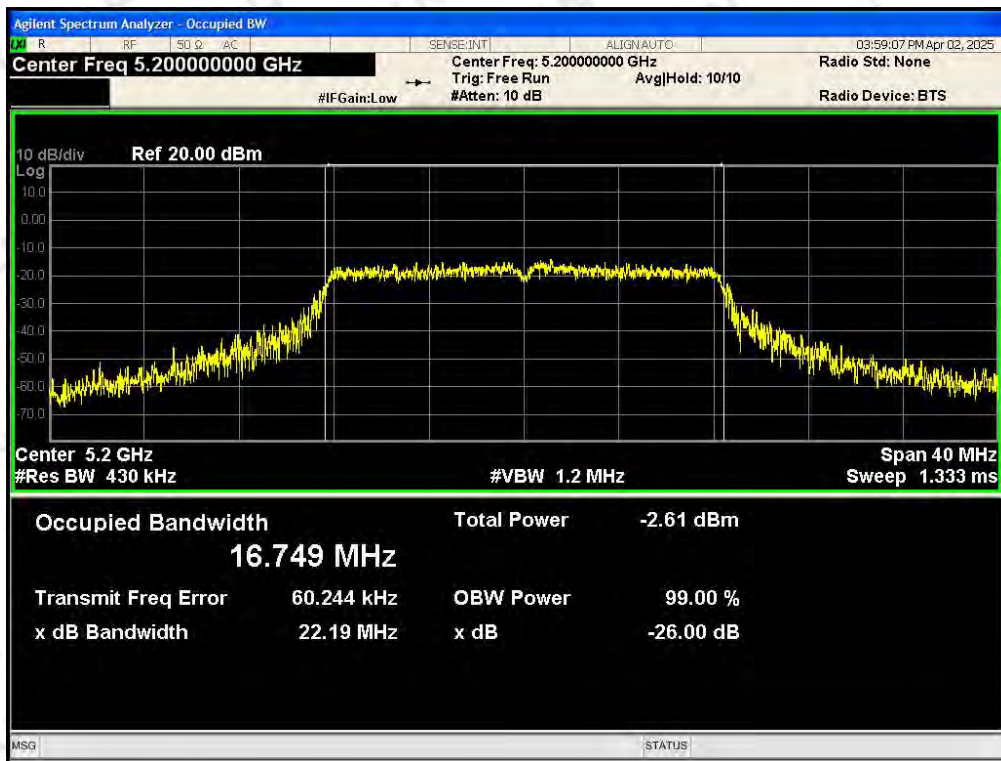
-26 dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5180	Ant 2	23.74	N/A	Pass
NVNT	802.11a	5200	Ant 2	22.19	N/A	Pass
NVNT	802.11a	5240	Ant 2	22.82	N/A	Pass
NVNT	802.11ac20	5180	Ant 2	23.59	N/A	Pass
NVNT	802.11ac20	5200	Ant 2	23.30	N/A	Pass
NVNT	802.11ac20	5240	Ant 2	24.46	N/A	Pass
NVNT	802.11ac40	5190	Ant 2	41.11	N/A	Pass
NVNT	802.11ac40	5230	Ant 2	40.94	N/A	Pass
NVNT	802.11ac80	5210	Ant 2	80.98	N/A	Pass
NVNT	802.11n(HT20)	5180	Ant 2	23.73	N/A	Pass
NVNT	802.11n(HT20)	5200	Ant 2	23.09	N/A	Pass
NVNT	802.11n(HT20)	5240	Ant 2	22.49	N/A	Pass
NVNT	802.11n(HT40)	5190	Ant 2	40.62	N/A	Pass
NVNT	802.11n(HT40)	5230	Ant 2	40.81	N/A	Pass

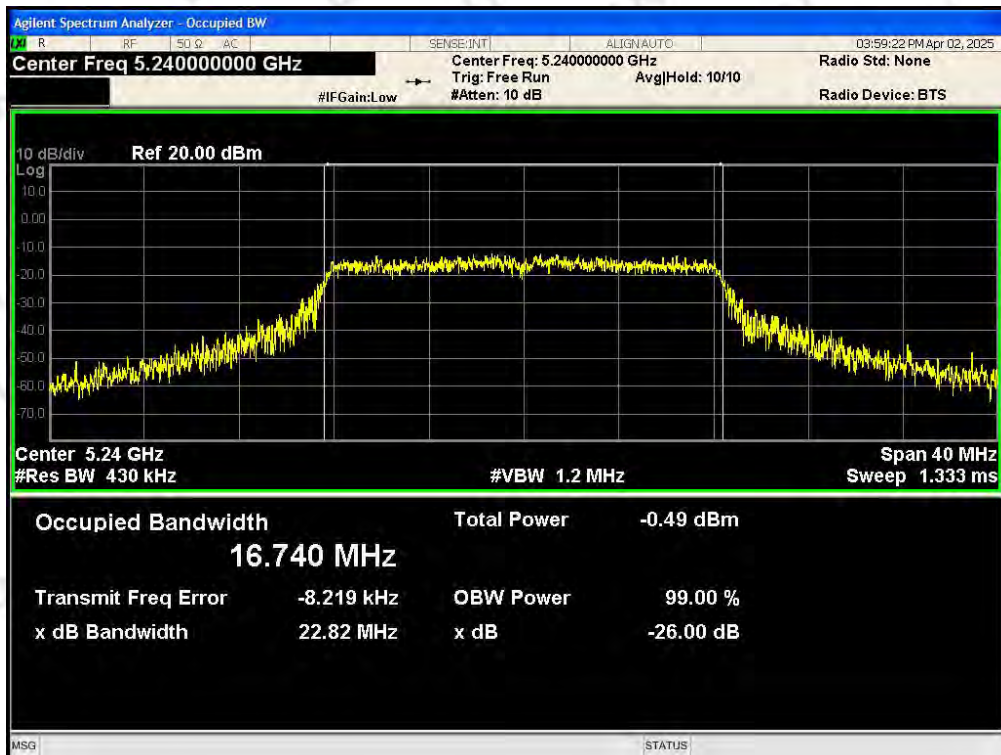
OBW NVNT 802.11a 5180MHz Ant2



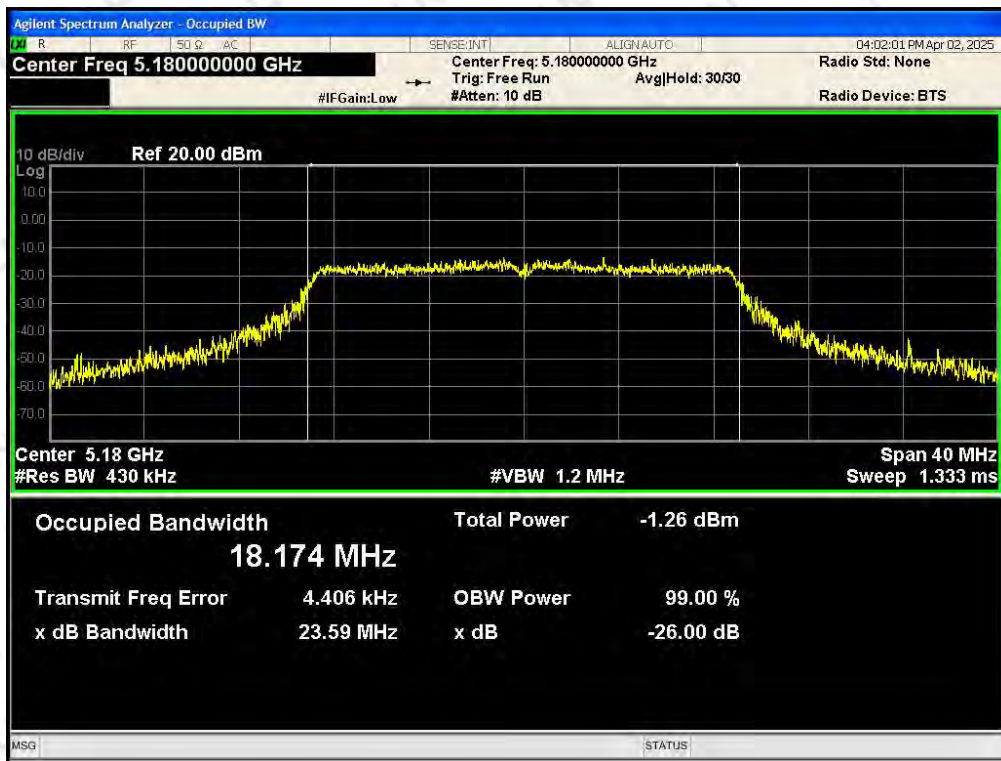
OBW NVNT 802.11a 5200MHz Ant2



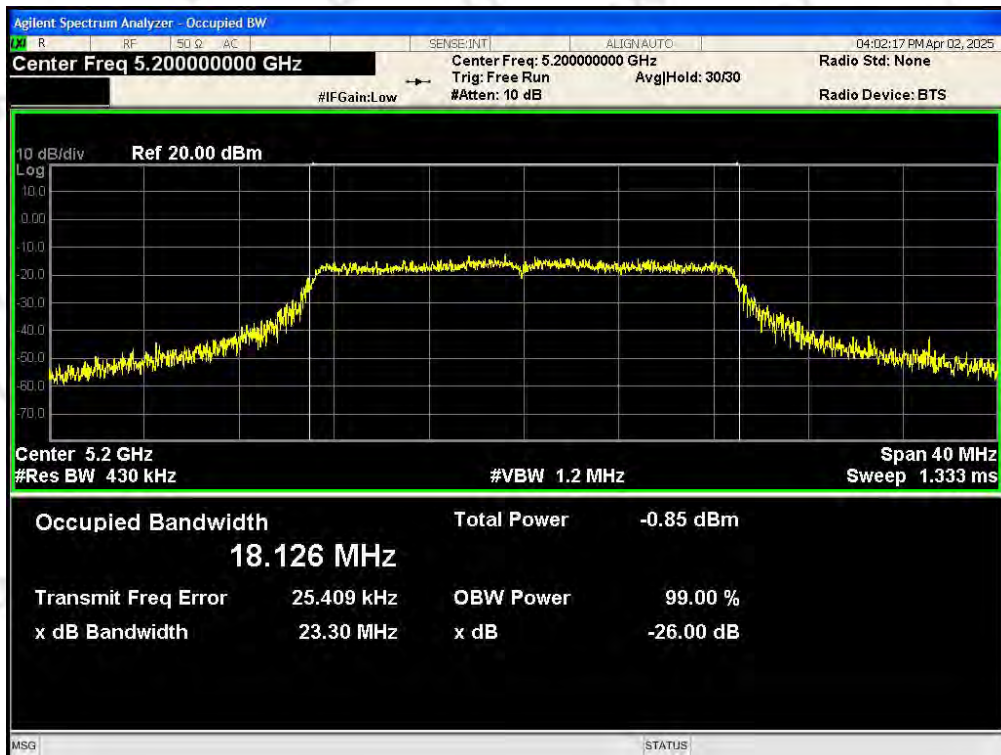
OBW NVNT 802.11a 5240MHz Ant2



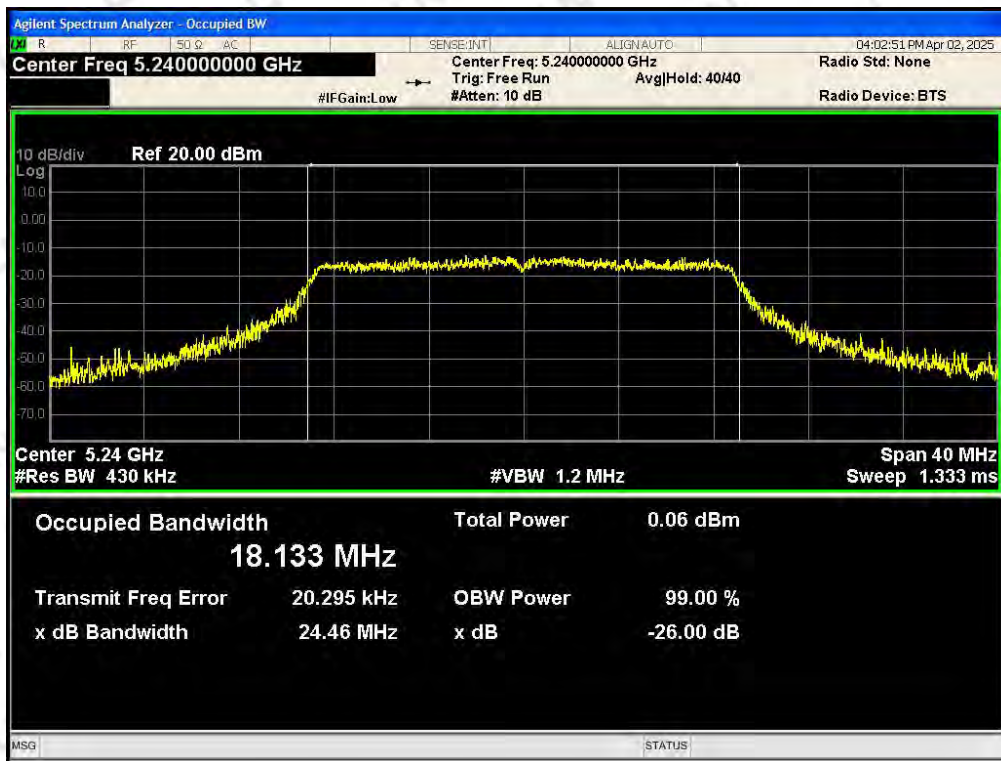
OBW NVNT 802.11ac20 5180MHz Ant2



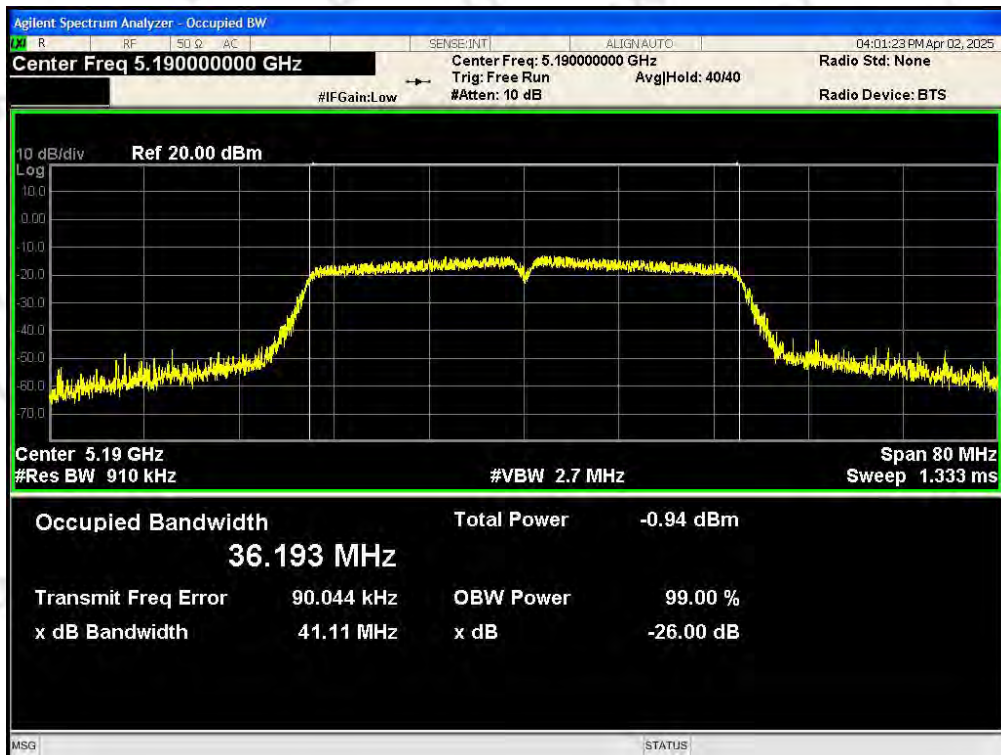
OBW NVNT 802.11ac20 5200MHz Ant2



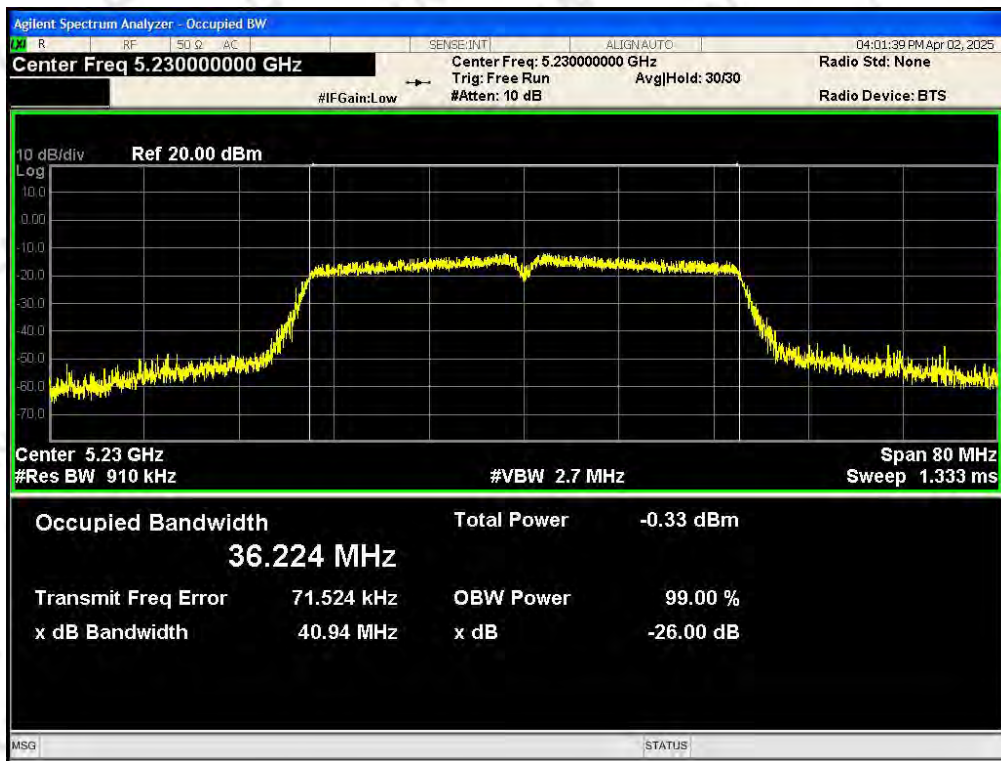
OBW NVNT 802.11ac20 5240MHz Ant2



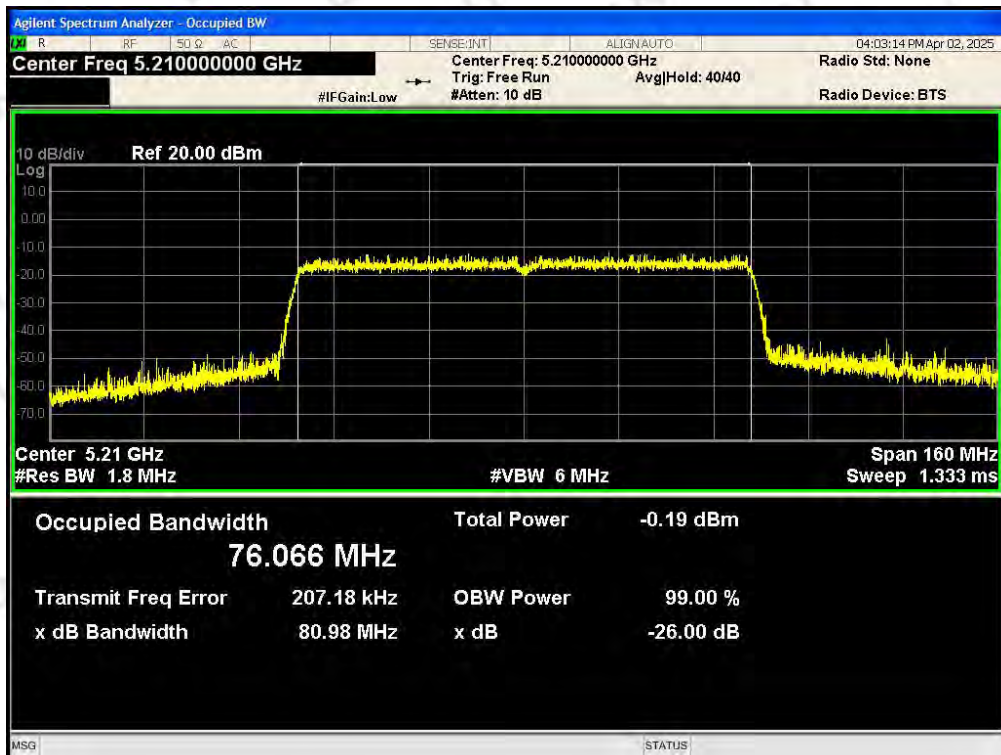
OBW NVNT 802.11ac40 5190MHz Ant2



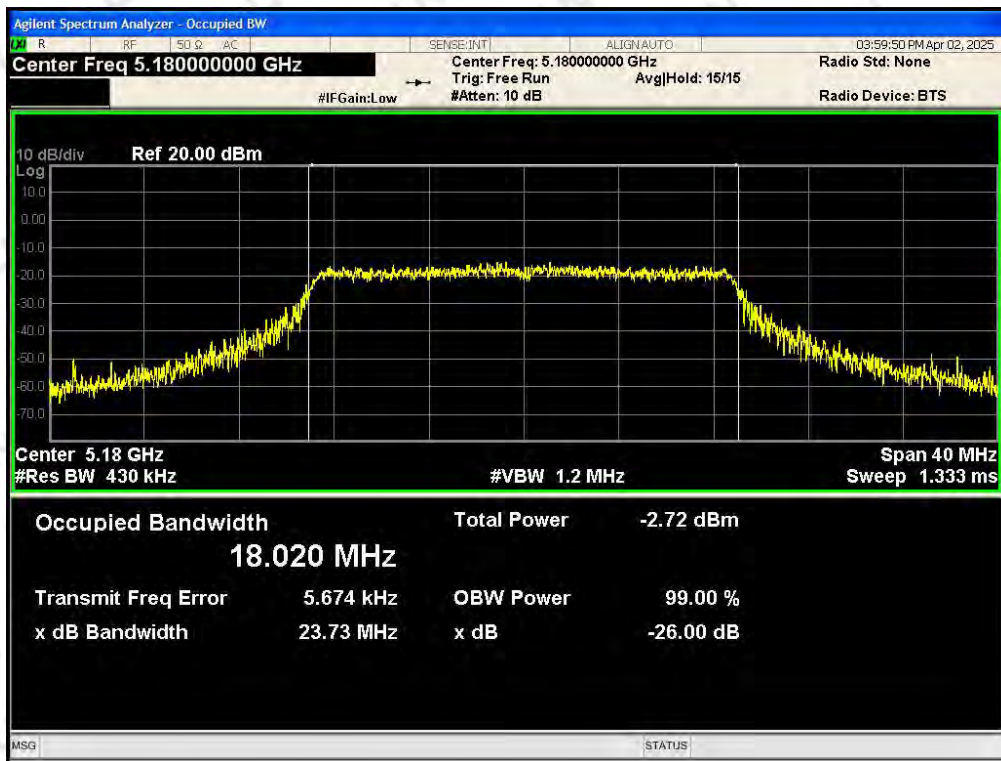
OBW NVNT 802.11ac40 5230MHz Ant2



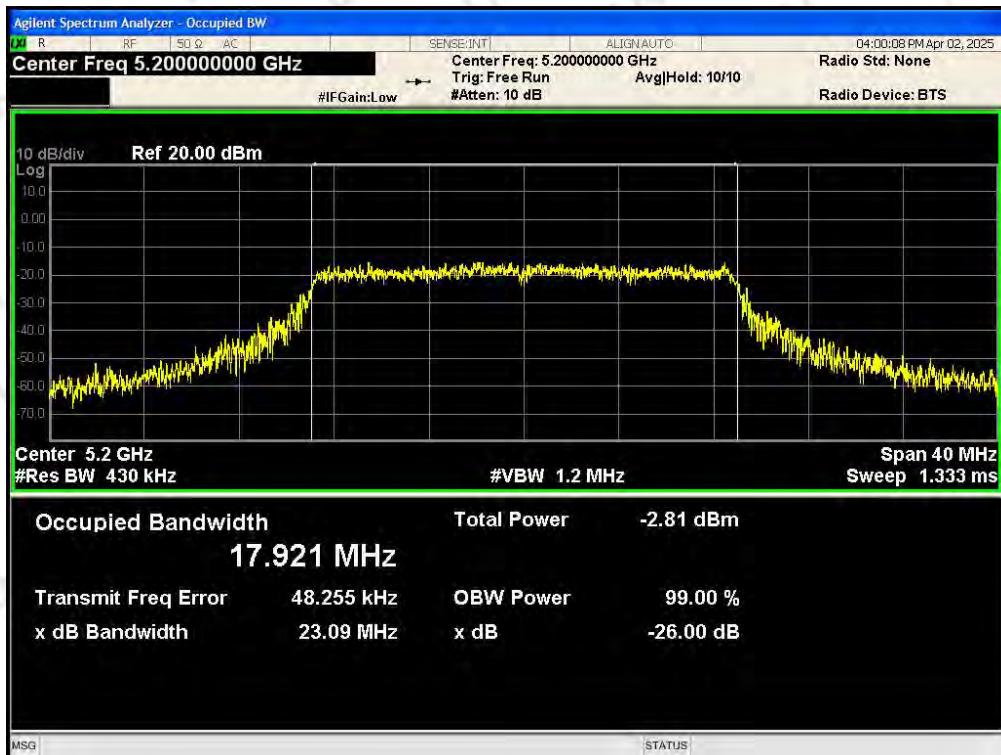
OBW NVNT 802.11ac80 5210MHz Ant2



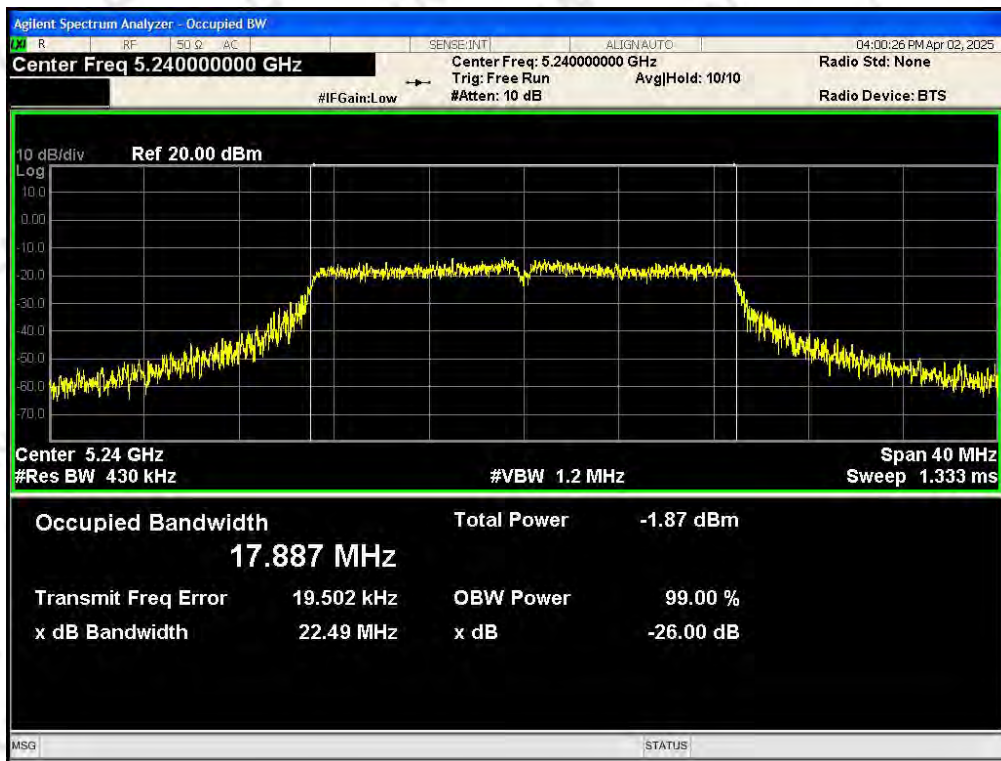
OBW NVNT 802.11n(HT20) 5180MHz Ant2



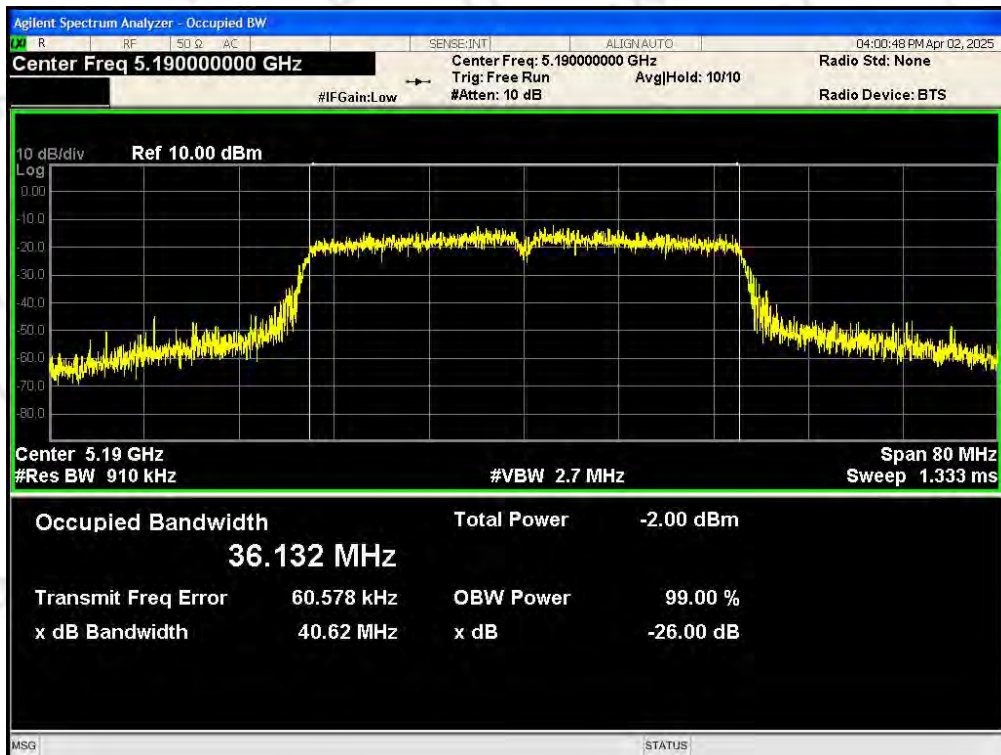
OBW NVNT 802.11n(HT20) 5200MHz Ant2



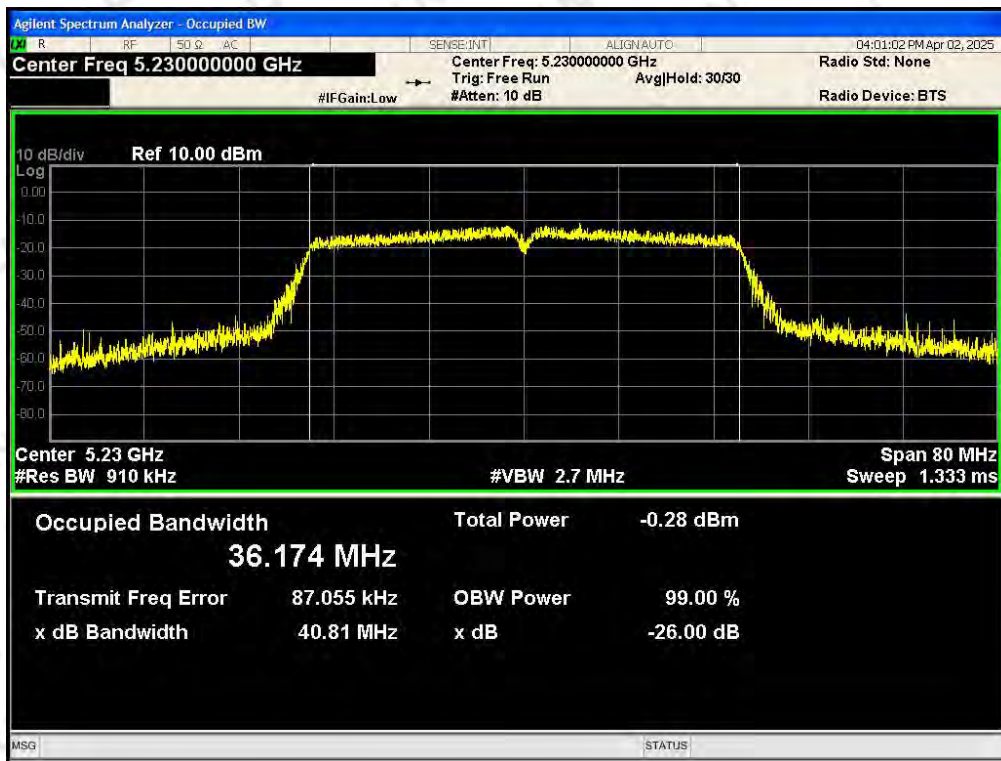
OBW NVNT 802.11n(HT20) 5240MHz Ant2



OBW NVNT 802.11n(HT40) 5190MHz Ant2



OBW NVNT 802.11n(HT40) 5230MHz Ant2



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 2	4.548	0	4.548	11	Pass
NVNT	802.11a	5200	Ant 2	7.464	0	7.464	11	Pass
NVNT	802.11a	5240	Ant 2	6.232	0	6.232	11	Pass
NVNT	802.11ac20	5180	Ant 2	5.05	0	5.05	11	Pass
NVNT	802.11ac20	5200	Ant 2	4.987	0	4.987	11	Pass
NVNT	802.11ac20	5240	Ant 2	6.734	0	6.734	11	Pass
NVNT	802.11ac40	5190	Ant 2	3.528	0	3.528	11	Pass
NVNT	802.11ac40	5230	Ant 2	5.155	0	5.155	11	Pass
NVNT	802.11ac80	5210	Ant 2	4.348	0	4.348	11	Pass
NVNT	802.11n(HT20)	5180	Ant 2	5.266	0	5.266	11	Pass
NVNT	802.11n(HT20)	5200	Ant 2	6.152	0	6.152	11	Pass
NVNT	802.11n(HT20)	5240	Ant 2	7.357	0	7.357	11	Pass
NVNT	802.11n(HT40)	5190	Ant 2	3.091	0	3.091	11	Pass
NVNT	802.11n(HT40)	5230	Ant 2	4.814	0	4.814	11	Pass

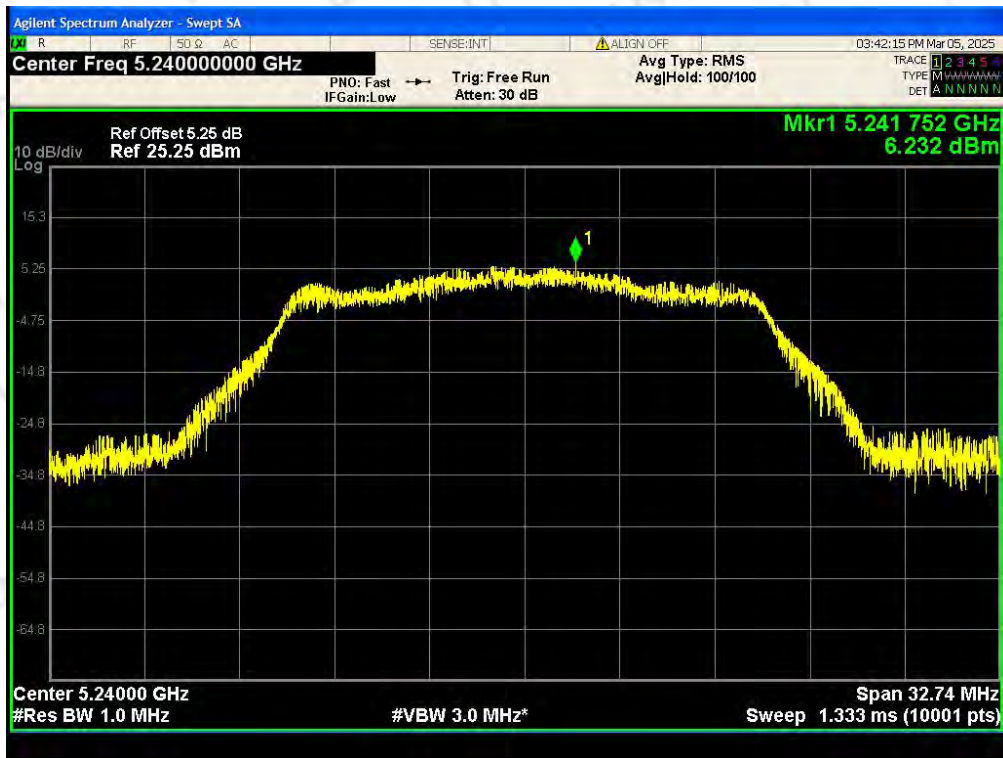
PSD NVNT 802.11a 5180MHz Ant2



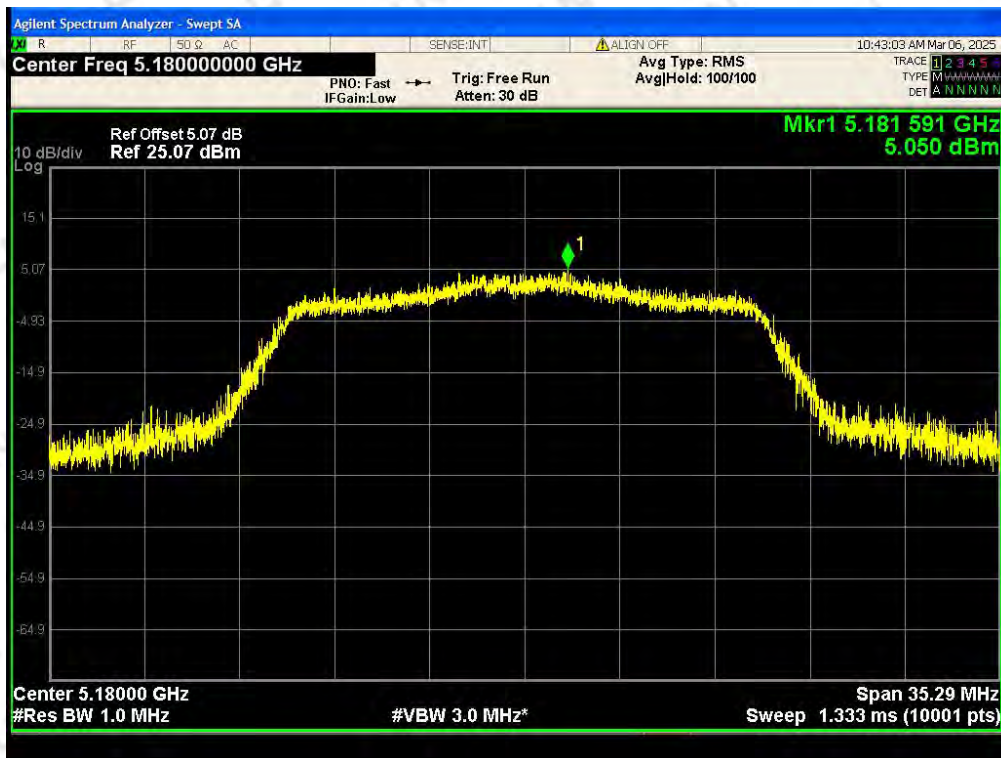
PSD NVNT 802.11a 5200MHz Ant2



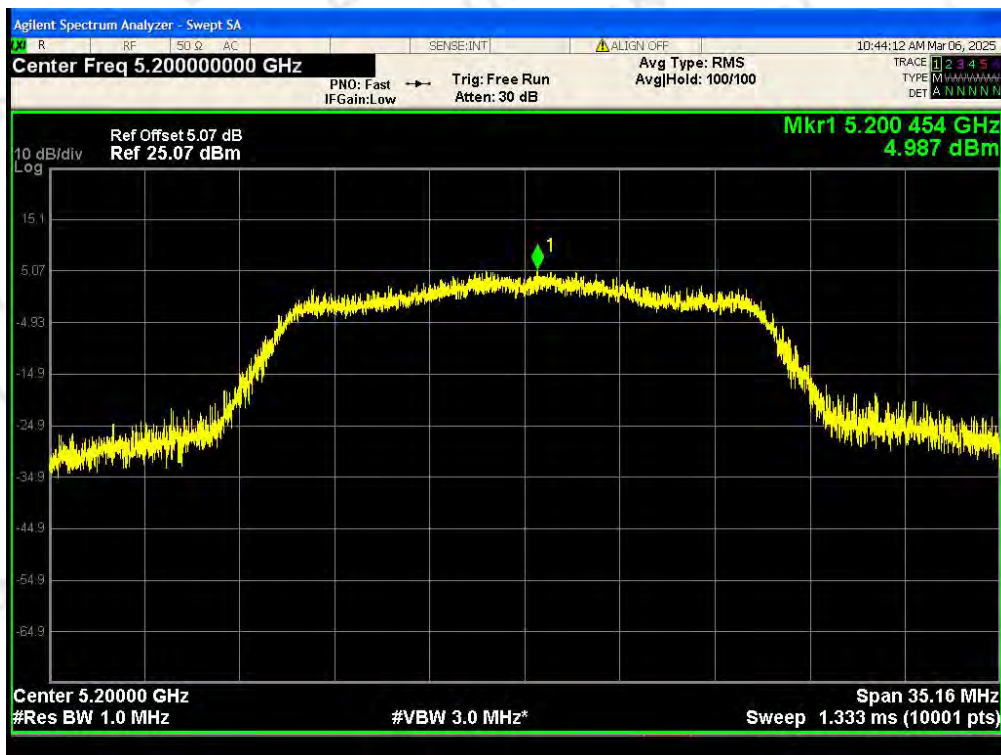
PSD NVNT 802.11a 5240MHz Ant2



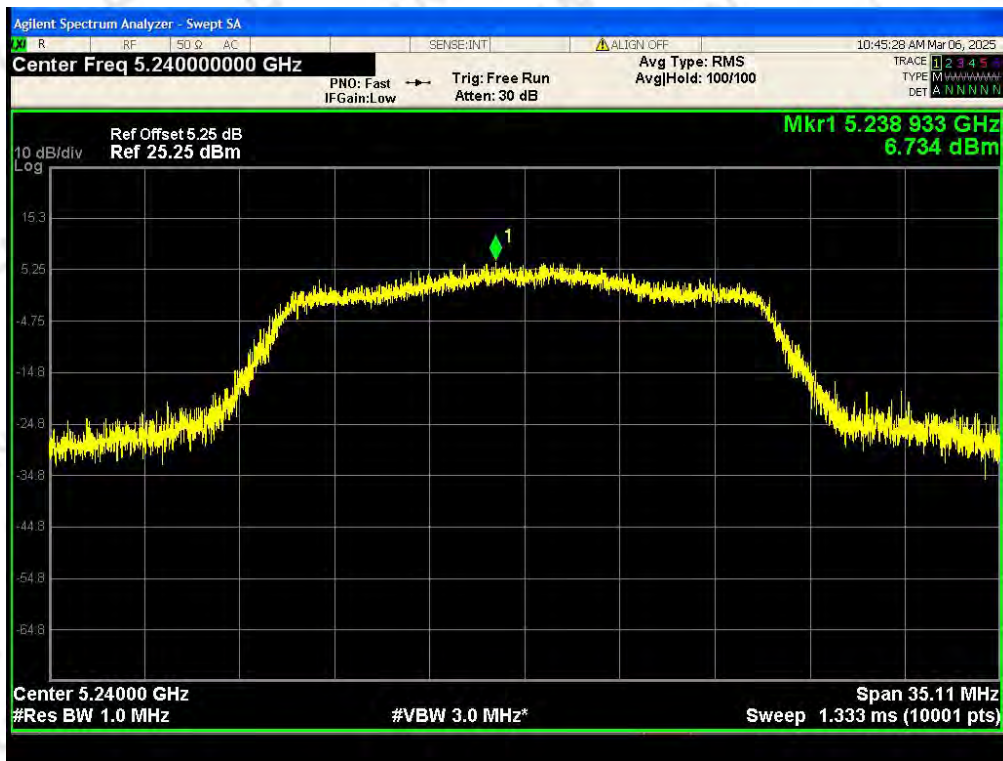
PSD NVNT 802.11ac20 5180MHz Ant2



PSD NVNT 802.11ac20 5200MHz Ant2



PSD NVNT 802.11ac20 5240MHz Ant2



PSD NVNT 802.11ac40 5190MHz Ant2



PSD NVNT 802.11ac40 5230MHz Ant2



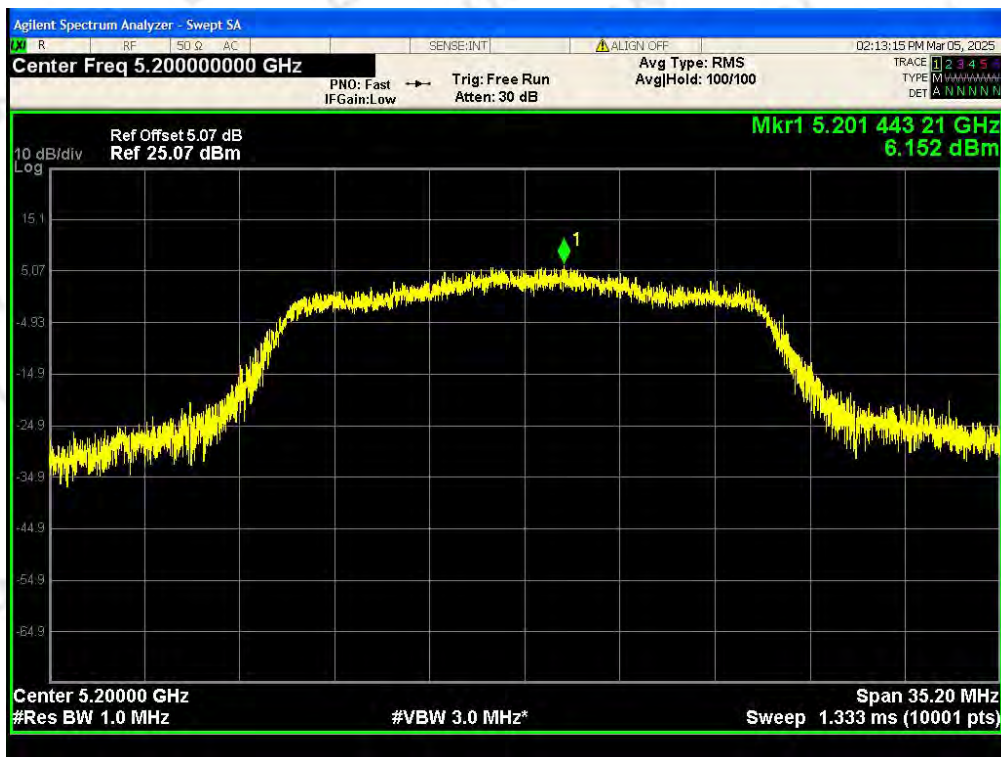
PSD NVNT 802.11ac80 5210MHz Ant2



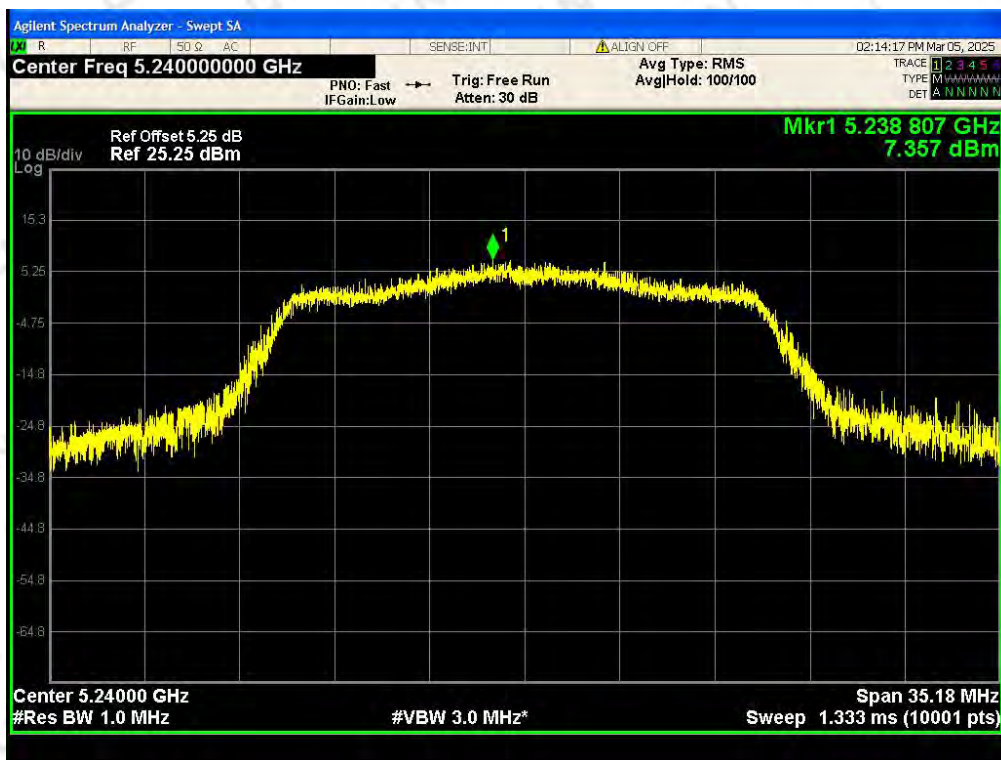
PSD NVNT 802.11n(HT20) 5180MHz Ant2



PSD NVNT 802.11n(HT20) 5200MHz Ant2



PSD NVNT 802.11n(HT20) 5240MHz Ant2



PSD NVNT 802.11n(HT40) 5190MHz Ant2



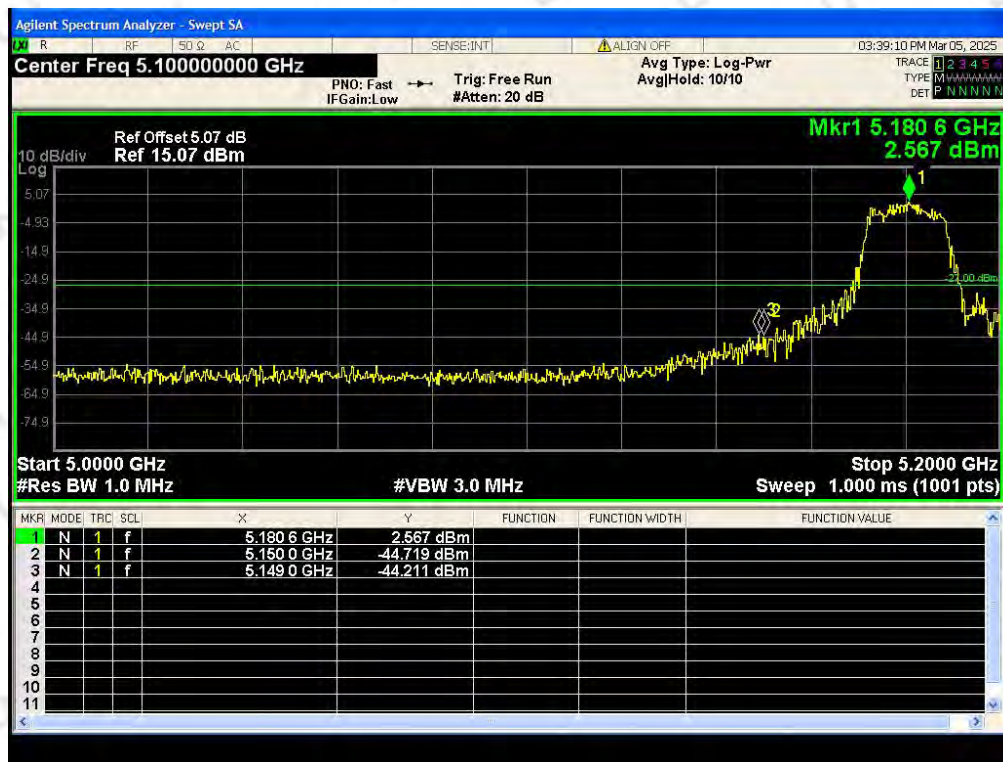
PSD NVNT 802.11n(HT40) 5230MHz Ant2



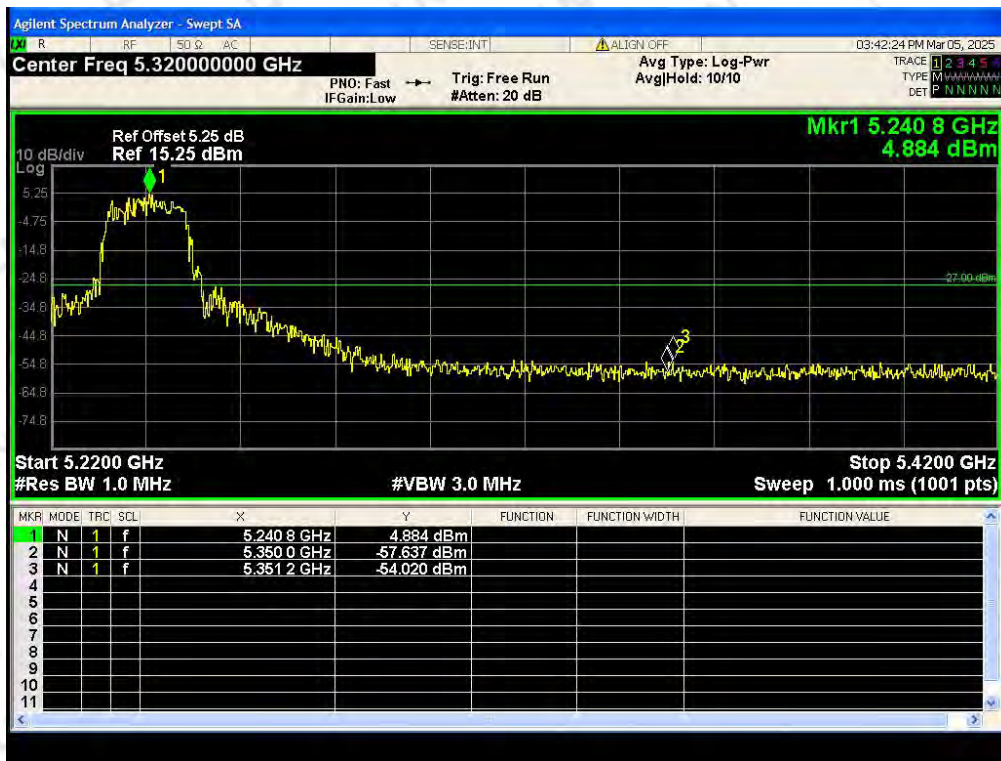
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 2	-44.21	-27	Pass
NVNT	802.11a	5240	Ant 2	-54.02	-27	Pass
NVNT	802.11ac20	5180	Ant 2	-38.79	-27	Pass
NVNT	802.11ac20	5240	Ant 2	-52.59	-27	Pass
NVNT	802.11ac40	5190	Ant 2	-33.49	-27	Pass
NVNT	802.11ac40	5230	Ant 2	-51.51	-27	Pass
NVNT	802.11ac80	5210	Ant 2	-22.89	-27	Fail
NVNT	802.11n(HT20)	5180	Ant 2	-36.55	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 2	-53.62	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 2	-33.52	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 2	-50.47	-27	Pass

Band Edge NVNT 802.11a 5180MHz Ant2



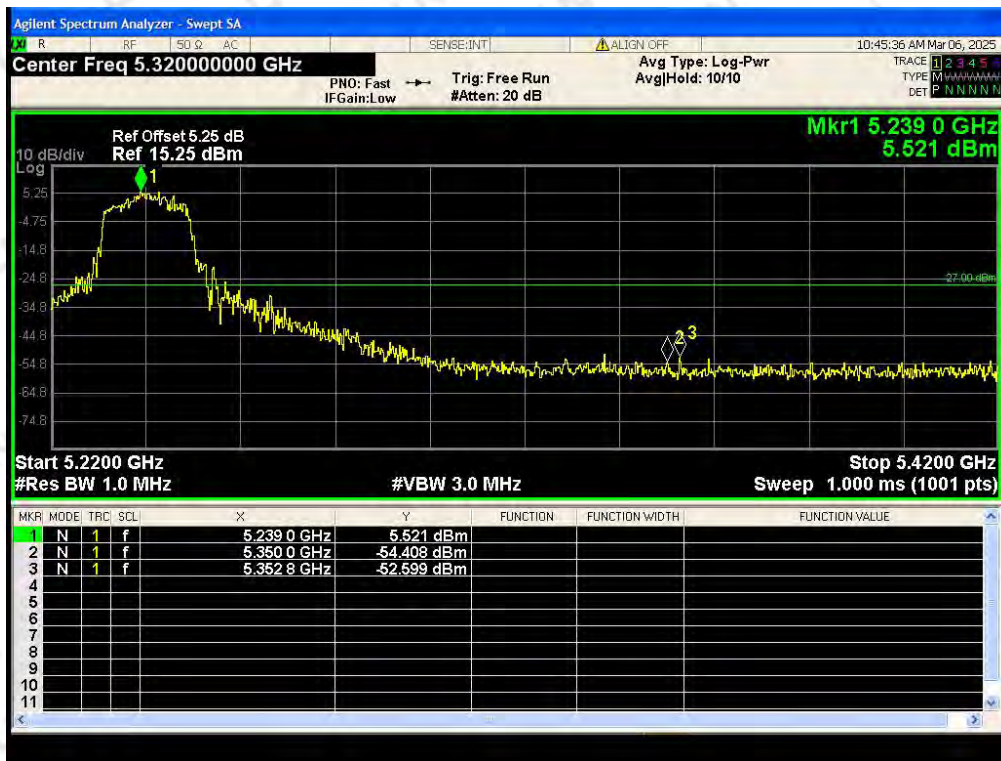
Band Edge NVNT 802.11a 5240MHz Ant2



Band Edge NVNT 802.11ac20 5180MHz Ant2



Band Edge NVNT 802.11ac20 5240MHz Ant2



Band Edge NVNT 802.11ac40 5190MHz Ant2



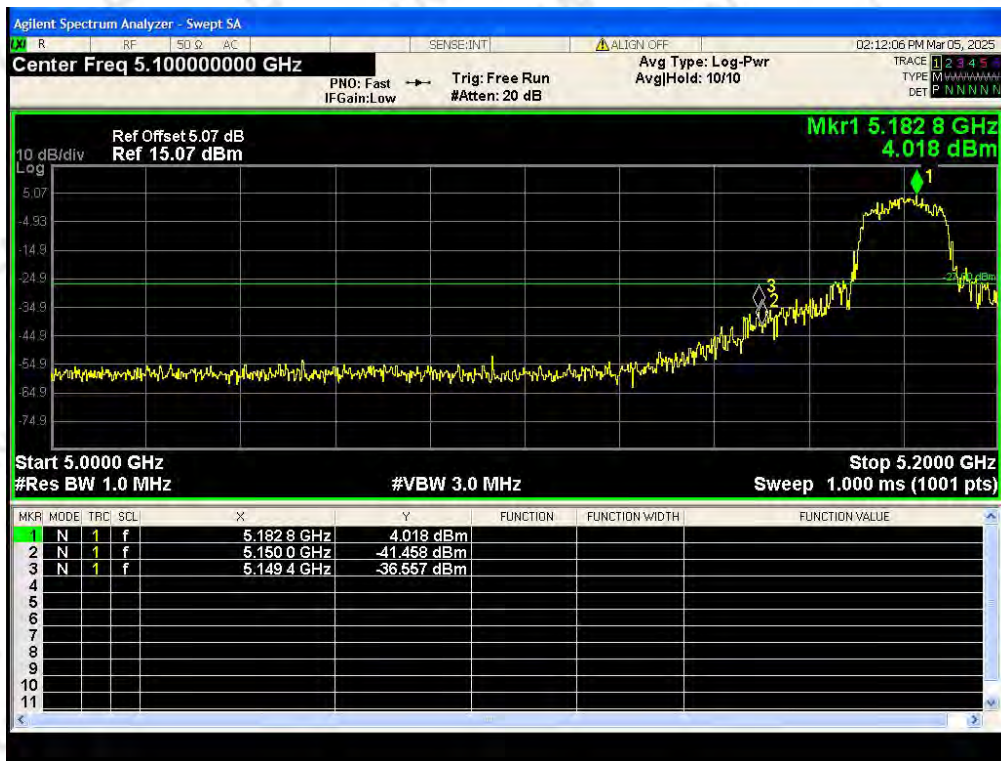
Band Edge NVNT 802.11ac40 5230MHz Ant2



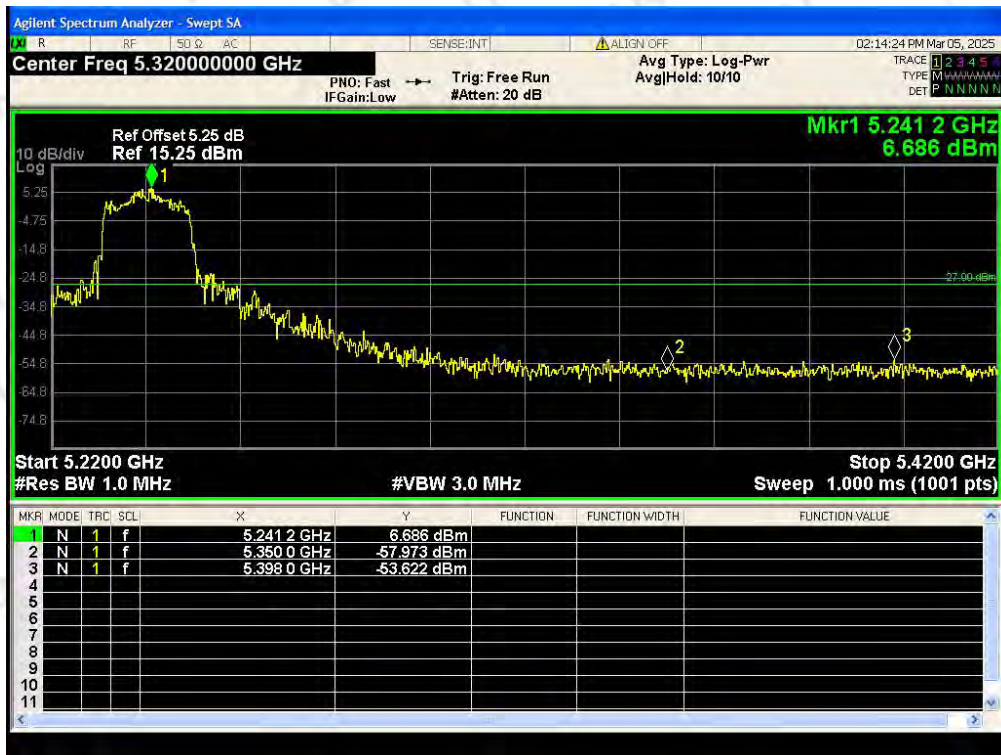
Band Edge NVNT 802.11ac80 5210MHz Ant2



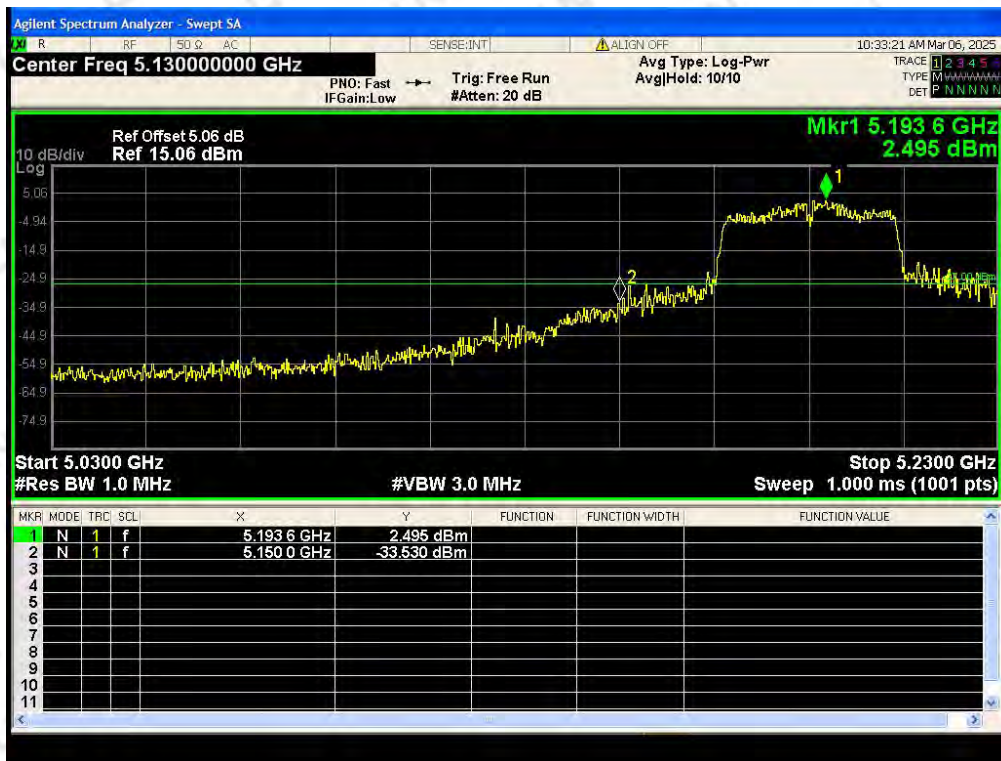
Band Edge NVNT 802.11n(HT20) 5180MHz Ant2



Band Edge NVNT 802.11n(HT20) 5240MHz Ant2



Band Edge NVNT 802.11n(HT40) 5190MHz Ant2



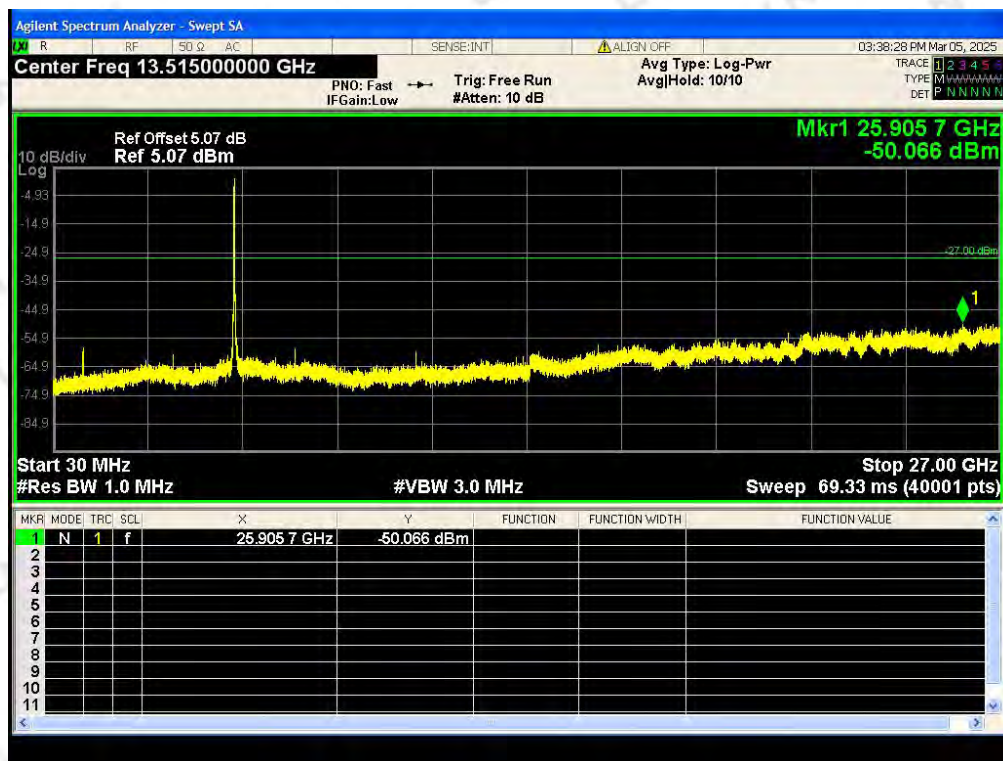
Band Edge NVNT 802.11n(HT40) 5230MHz Ant2



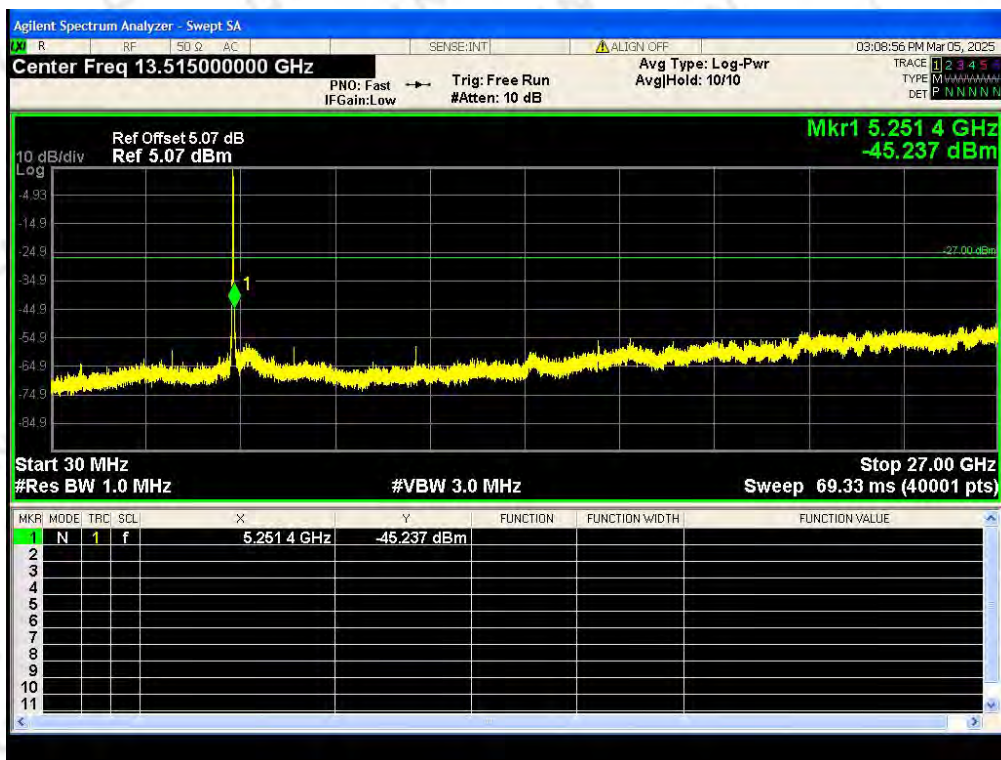
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5180	Ant 2	-50.06	-27	Pass
NVNT	802.11a	5200	Ant 2	-45.23	-27	Pass
NVNT	802.11a	5240	Ant 2	-50.19	-27	Pass
NVNT	802.11ac20	5180	Ant 2	-49.84	-27	Pass
NVNT	802.11ac20	5200	Ant 2	-49.05	-27	Pass
NVNT	802.11ac20	5240	Ant 2	-50.27	-27	Pass
NVNT	802.11ac40	5190	Ant 2	-48.63	-27	Pass
NVNT	802.11ac40	5230	Ant 2	-48.99	-27	Pass
NVNT	802.11ac80	5210	Ant 2	-45.29	-27	Pass
NVNT	802.11n(HT20)	5180	Ant 2	-50.08	-27	Pass
NVNT	802.11n(HT20)	5200	Ant 2	-45.01	-27	Pass
NVNT	802.11n(HT20)	5240	Ant 2	-48.5	-27	Pass
NVNT	802.11n(HT40)	5190	Ant 2	-48.97	-27	Pass
NVNT	802.11n(HT40)	5230	Ant 2	-48.36	-27	Pass

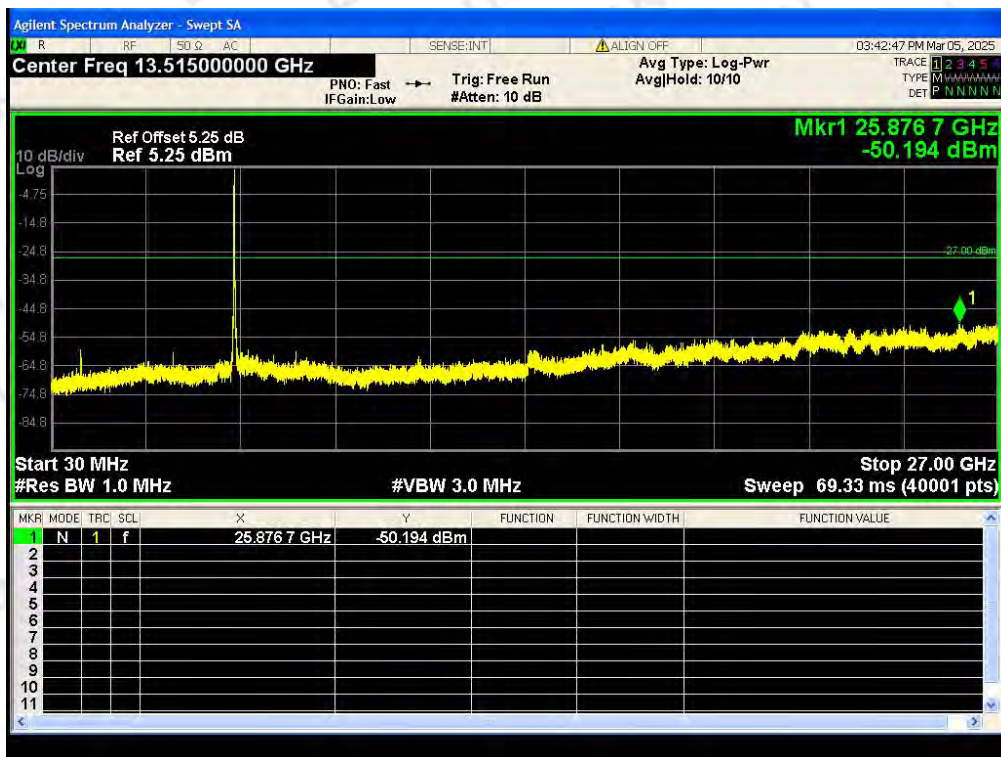
Tx. Spurious NVNT 802.11a 5180MHz Ant2 Emission



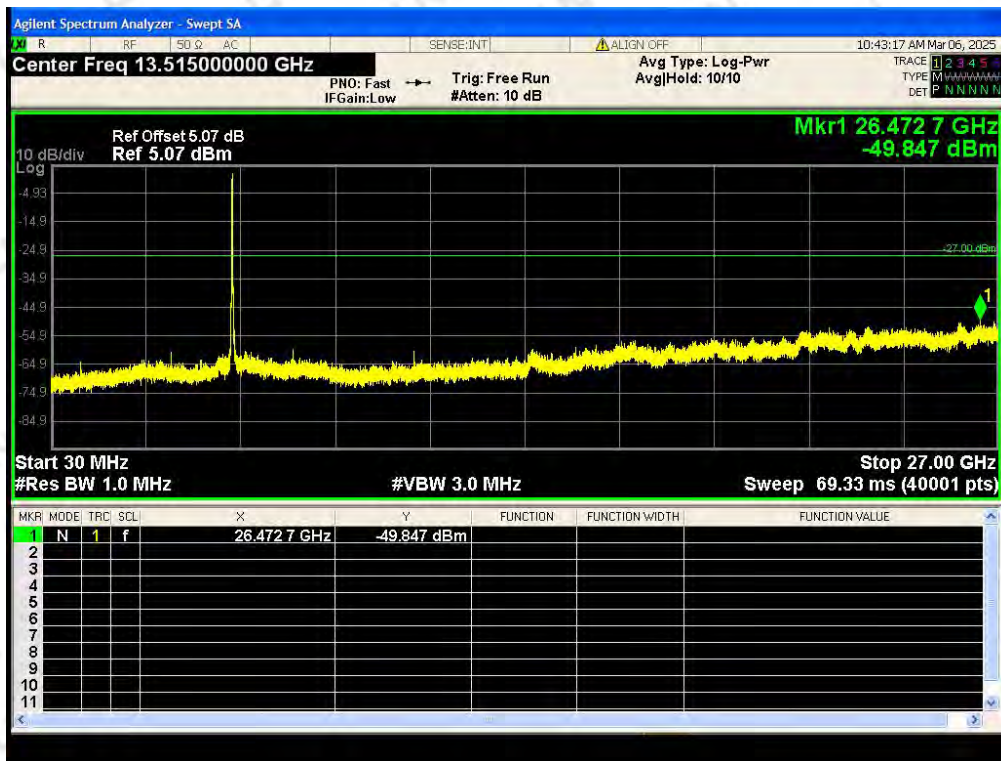
Tx. Spurious NVNT 802.11a 5200MHz Ant2 Emission



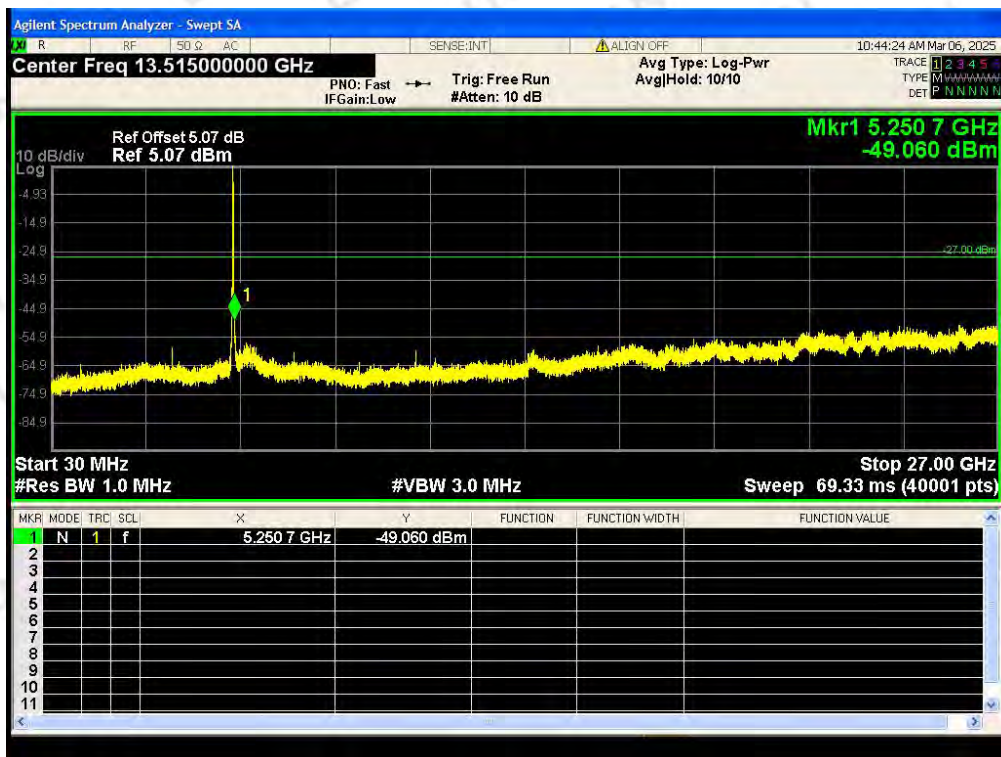
Tx. Spurious NVNT 802.11a 5240MHz Ant2 Emission



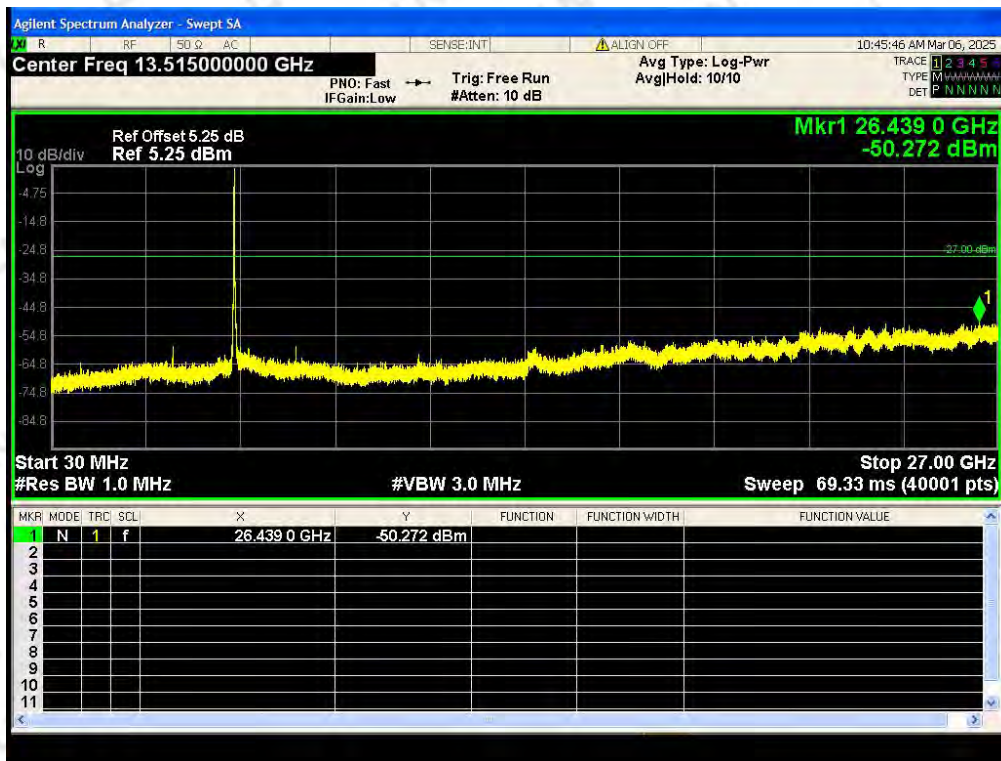
Tx. Spurious NVNT 802.11ac20 5180MHz Ant2 Emission



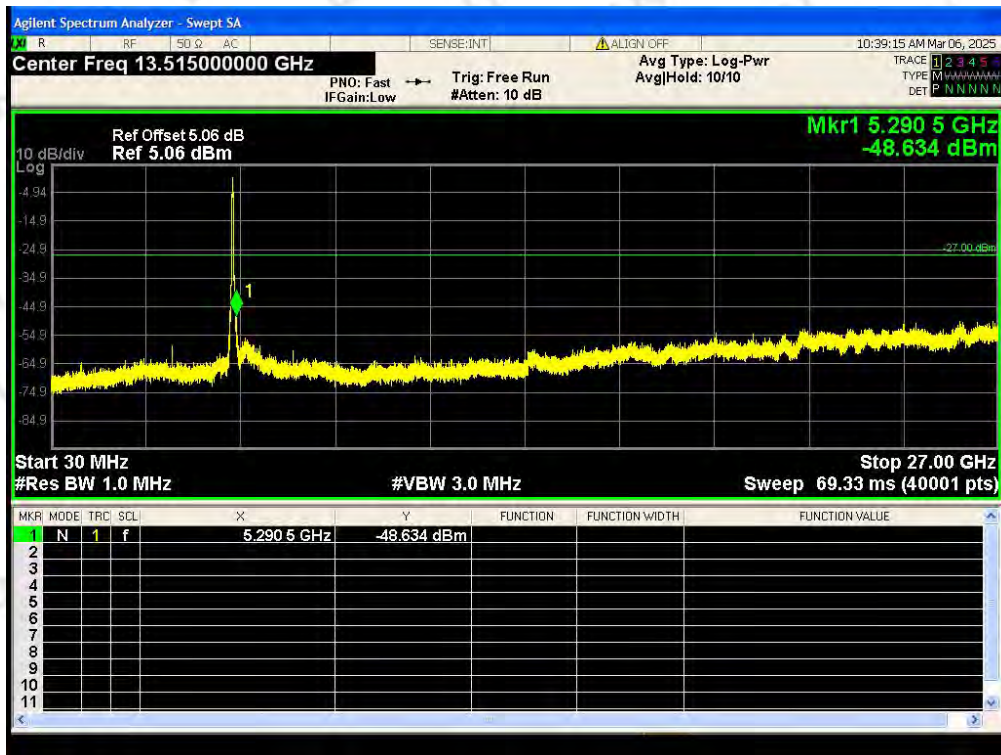
Tx. Spurious NVNT 802.11ac20 5200MHz Ant2 Emission



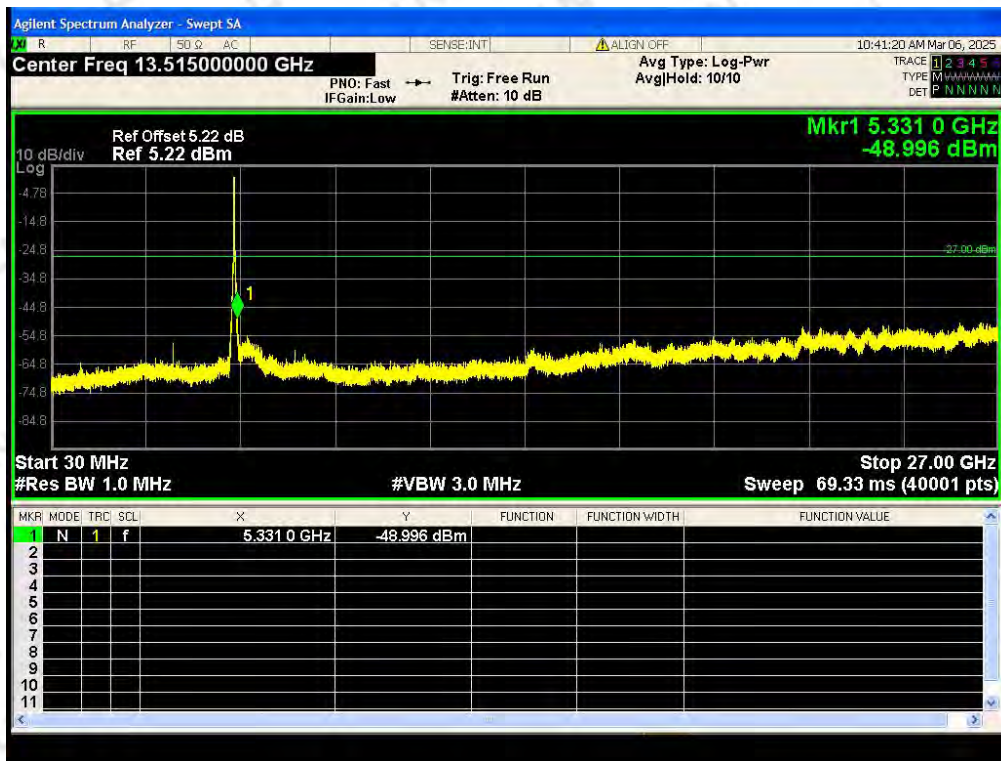
Tx. Spurious NVNT 802.11ac20 5240MHz Ant2 Emission



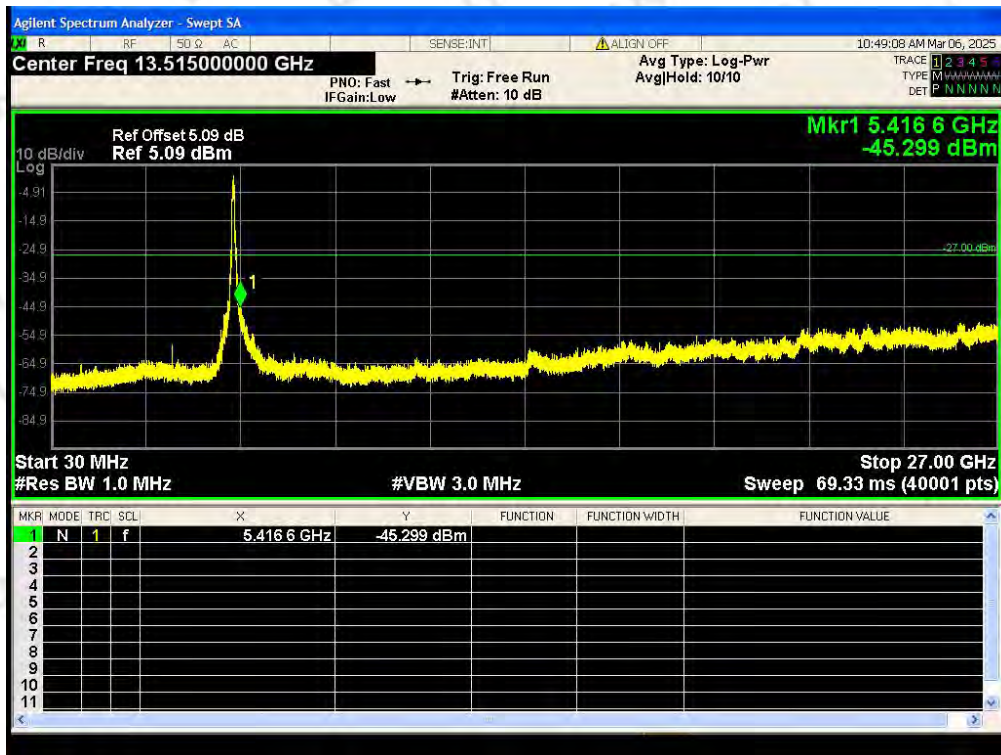
Tx. Spurious NVNT 802.11ac40 5190MHz Ant2 Emission



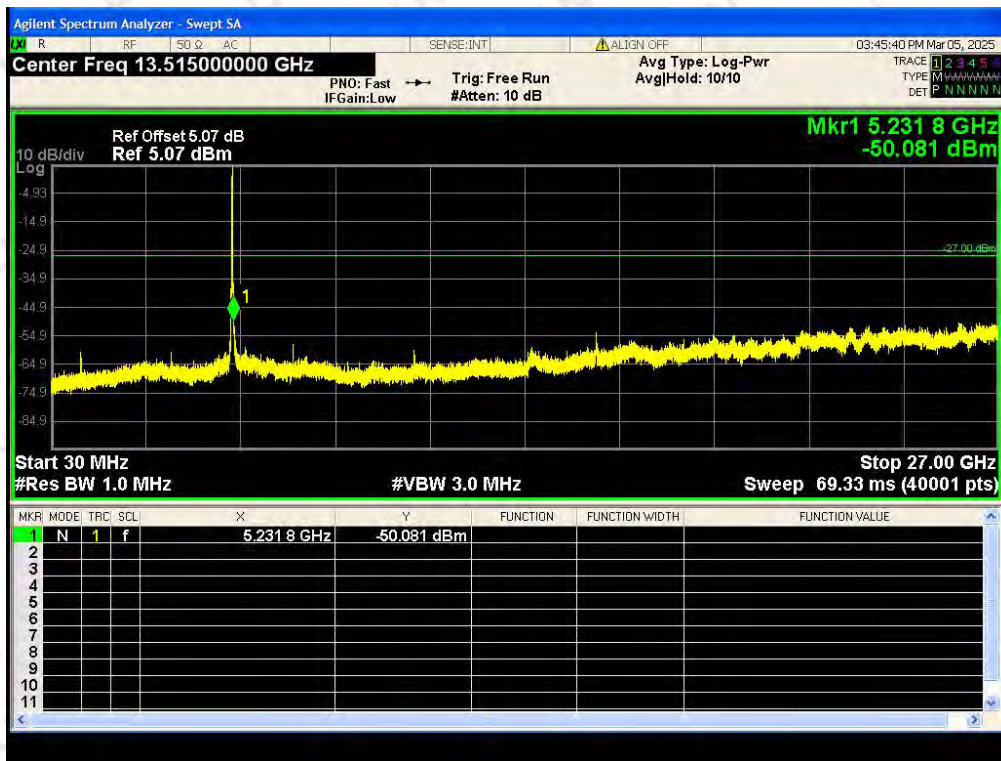
Tx. Spurious NVNT 802.11ac40 5230MHz Ant2 Emission



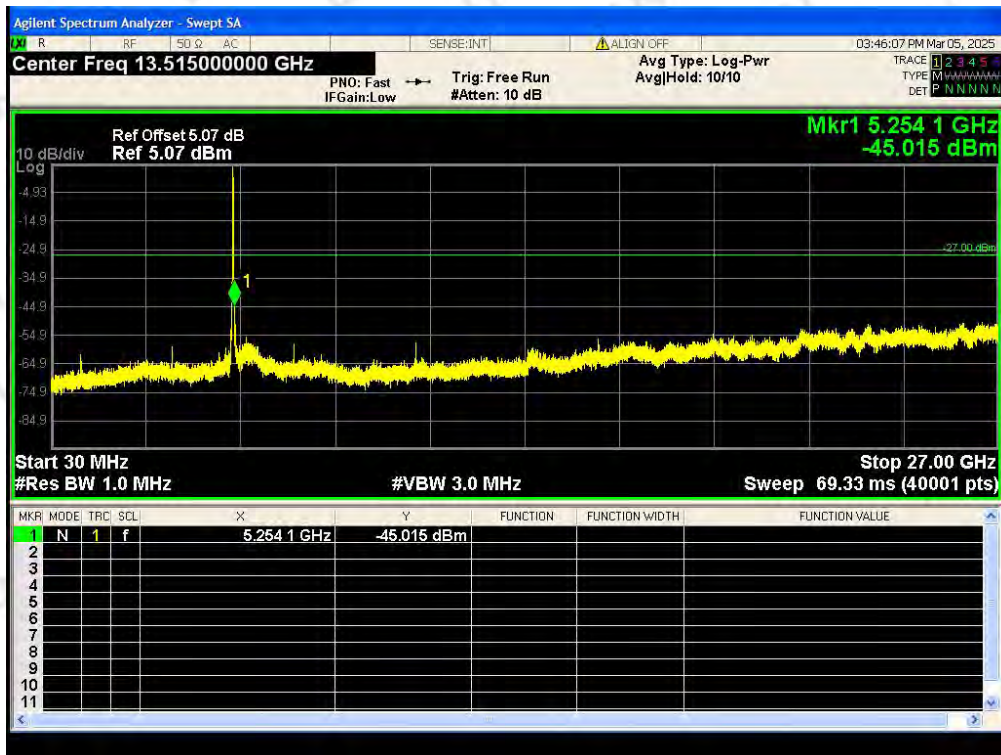
Tx. Spurious NVNT 802.11ac80 5210MHz Ant2 Emission



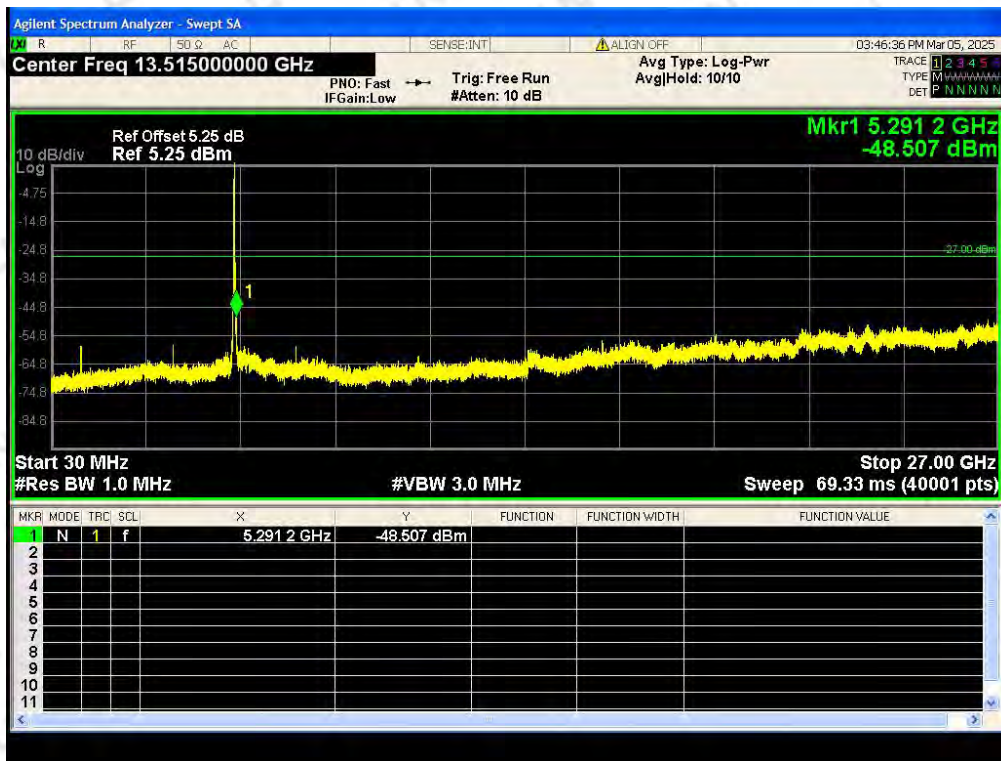
Tx. Spurious NVNT 802.11n(HT20) 5180MHz Ant2 Emission



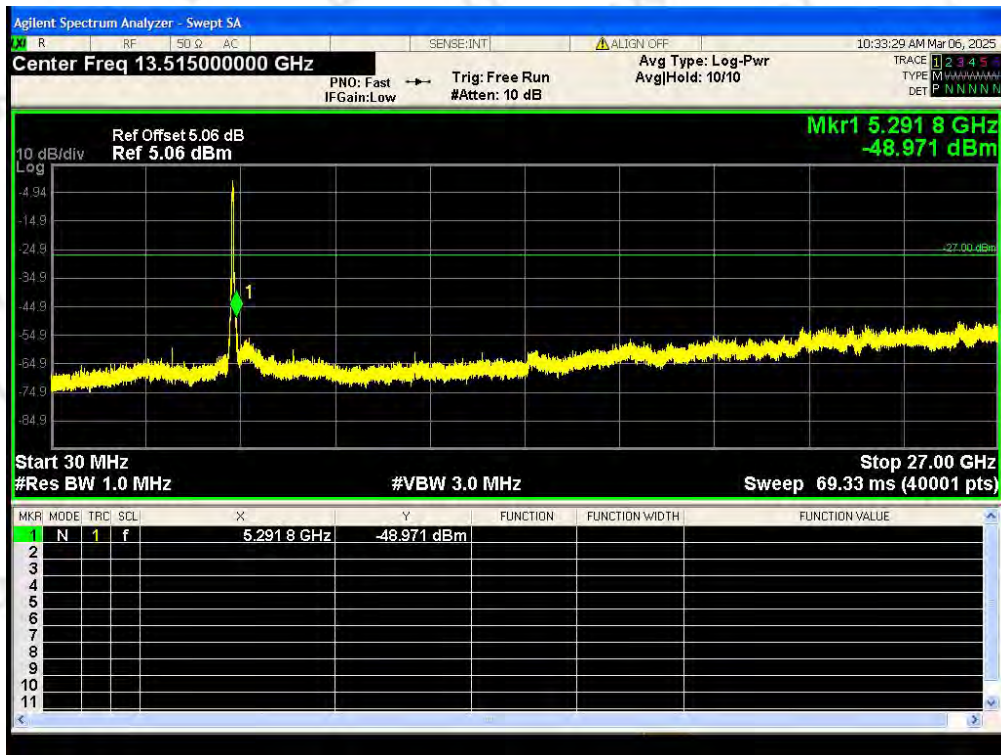
Tx. Spurious NVNT 802.11n(HT20) 5200MHz Ant2 Emission



Tx. Spurious NVNT 802.11n(HT20) 5240MHz Ant2 Emission



Tx. Spurious NVNT 802.11n(HT40) 5190MHz Ant2 Emission



Tx. Spurious NVNT 802.11n(HT40) 5230MHz Ant2 Emission

