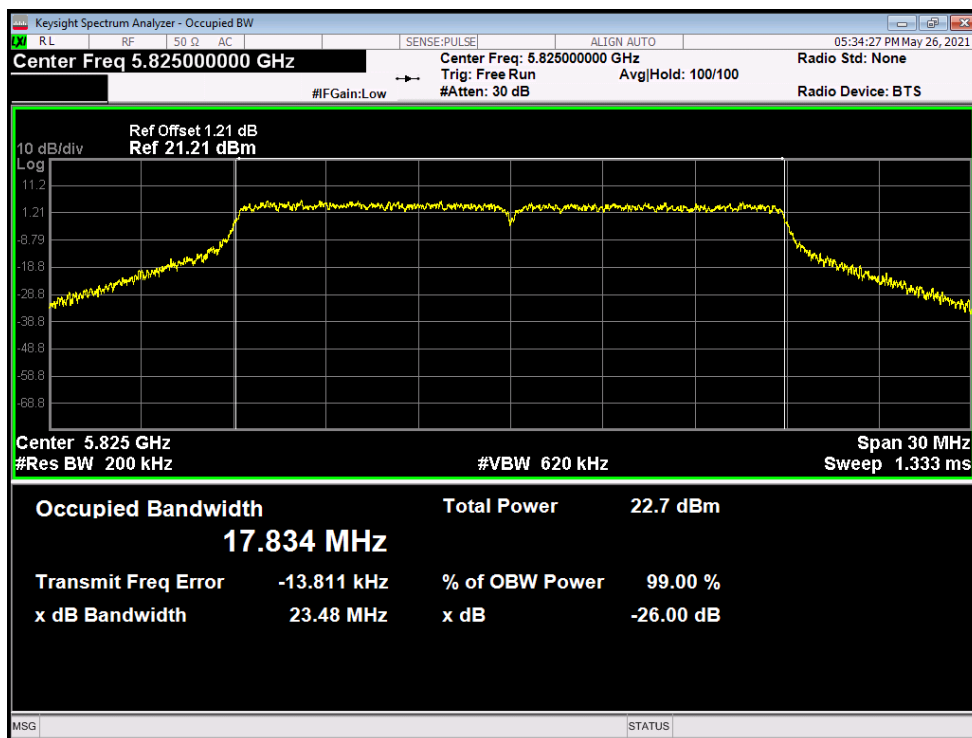
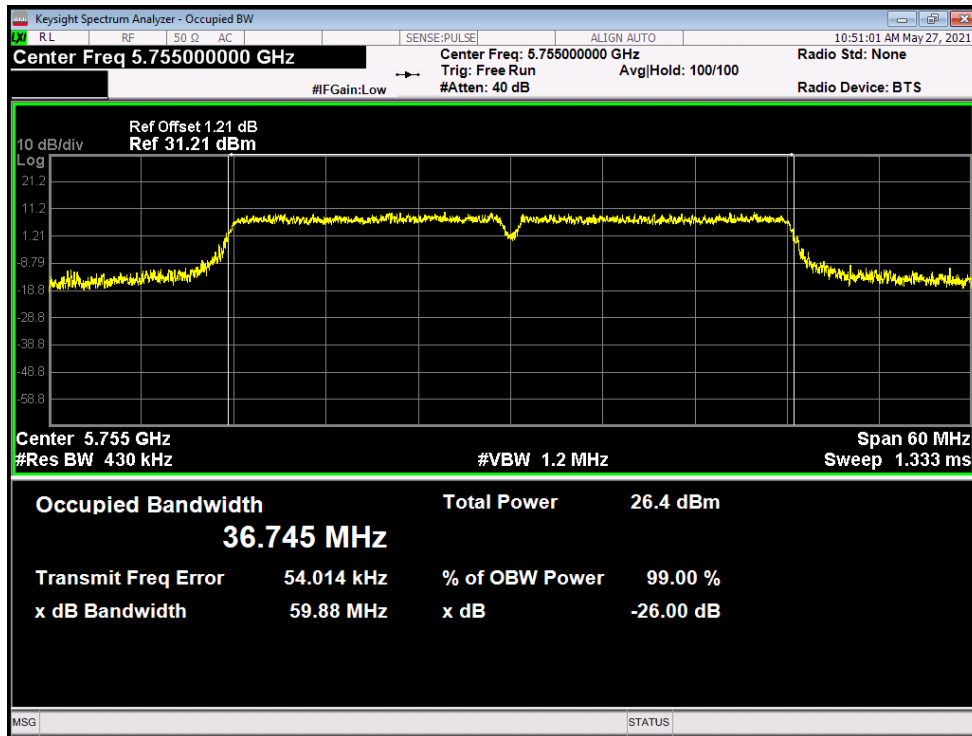


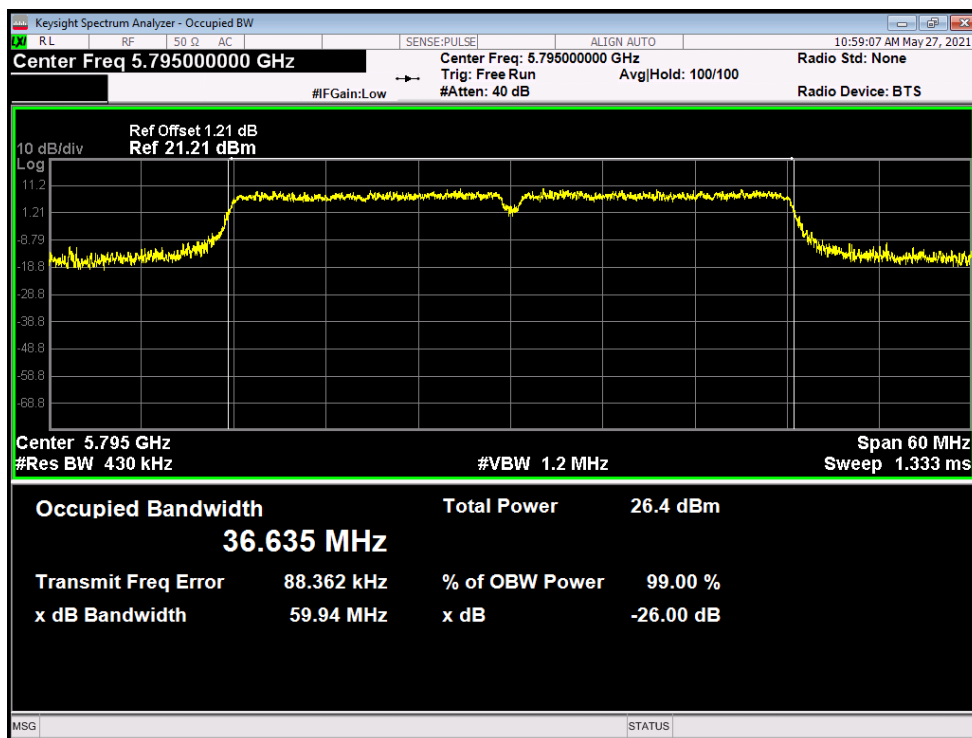
OBW NVNT ac20 5825MHz Ant2



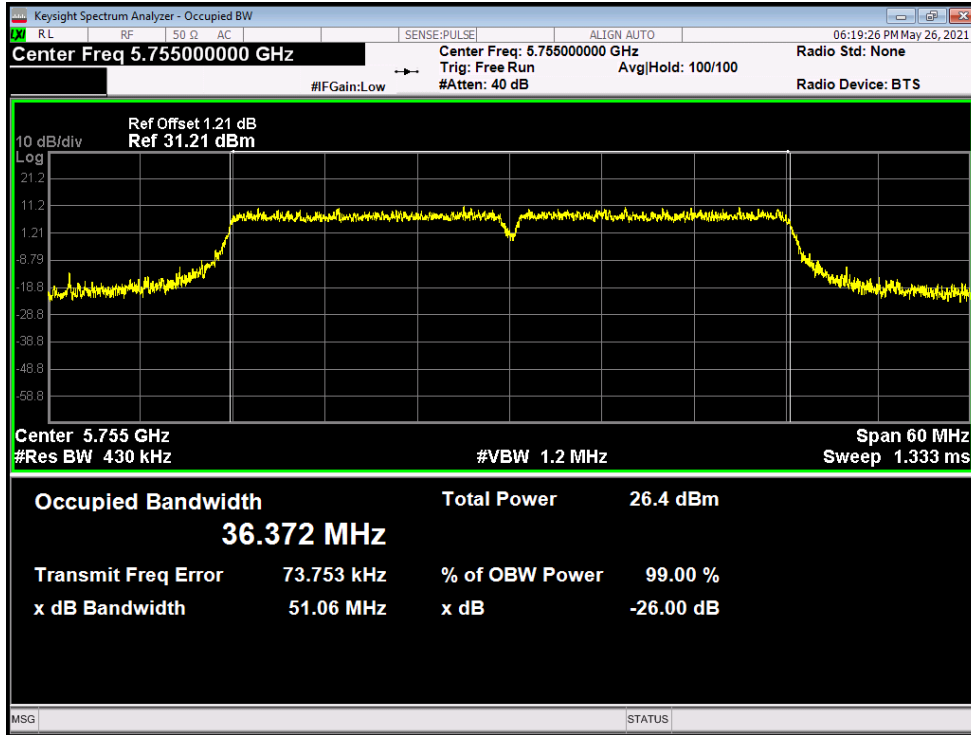
OBW NVNT ac40 5755MHz Ant1



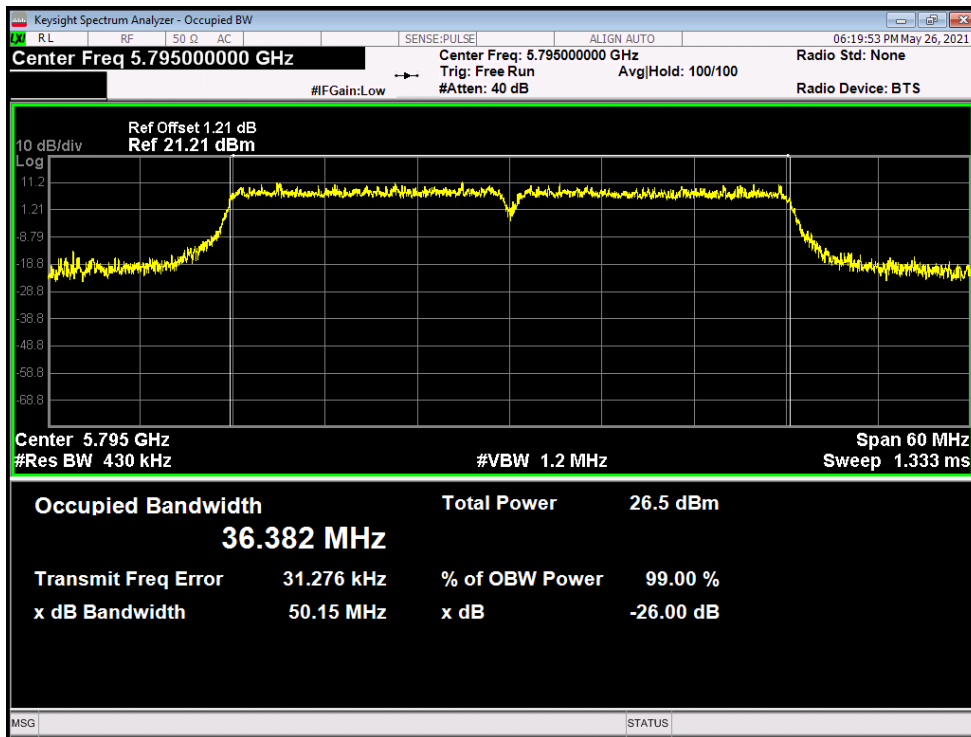
OBW NVNT ac40 5795MHz Ant1



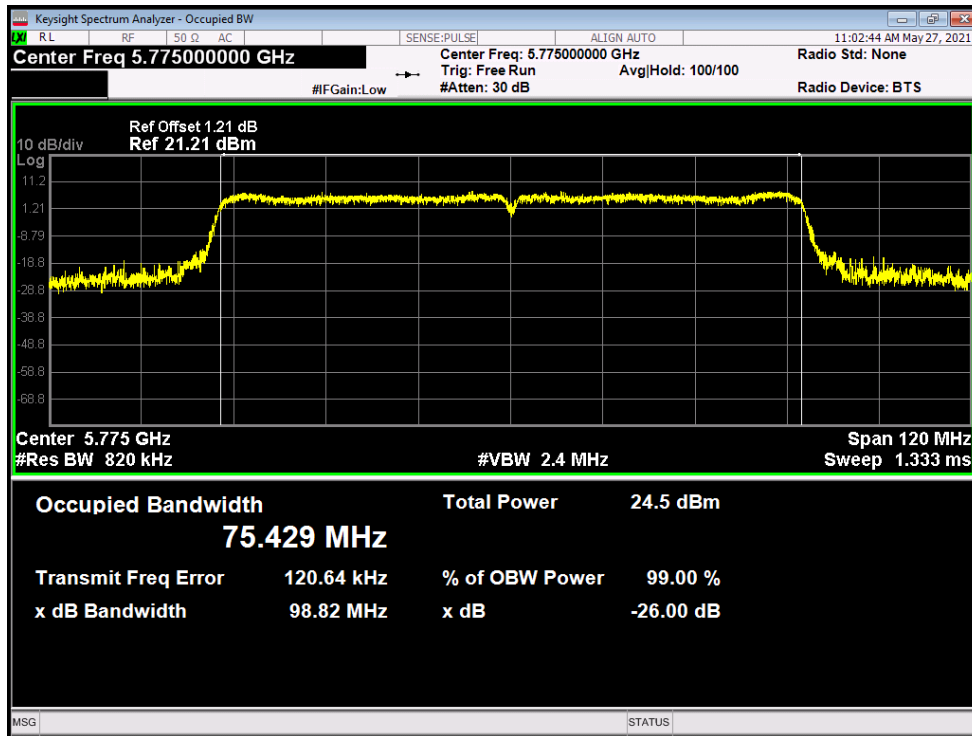
OBW NVNT ac40 5755MHz Ant2



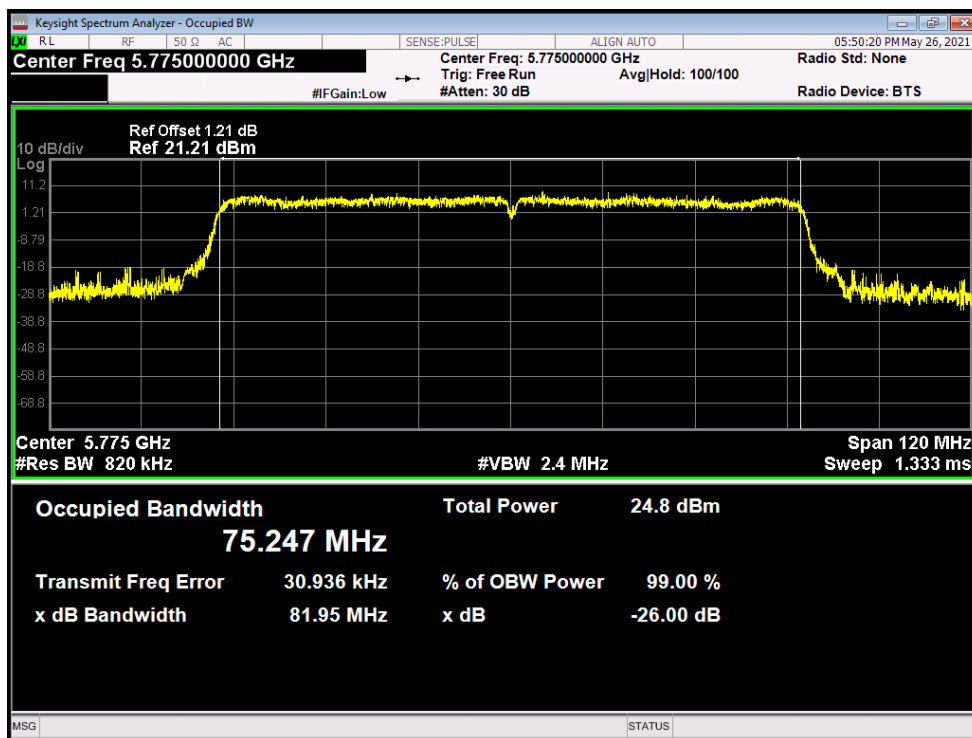
OBW NVNT ac40 5795MHz Ant2



OBW NVNT ac80 5775MHz Ant1



OBW NVNT ac80 5775MHz Ant2

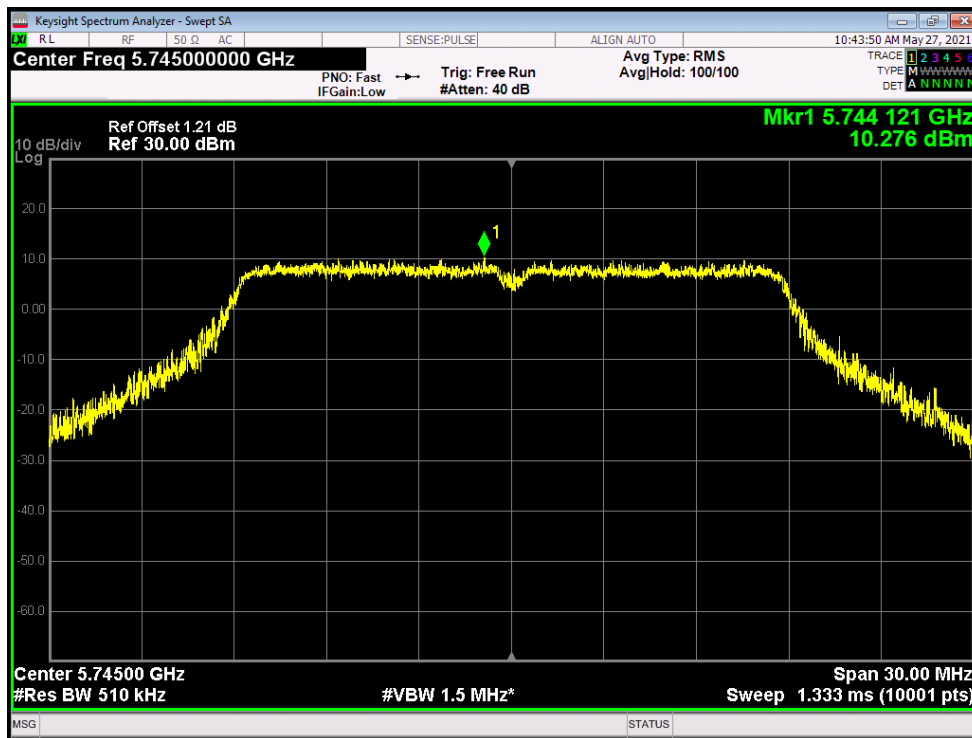


Maximum Power Spectral Density Level

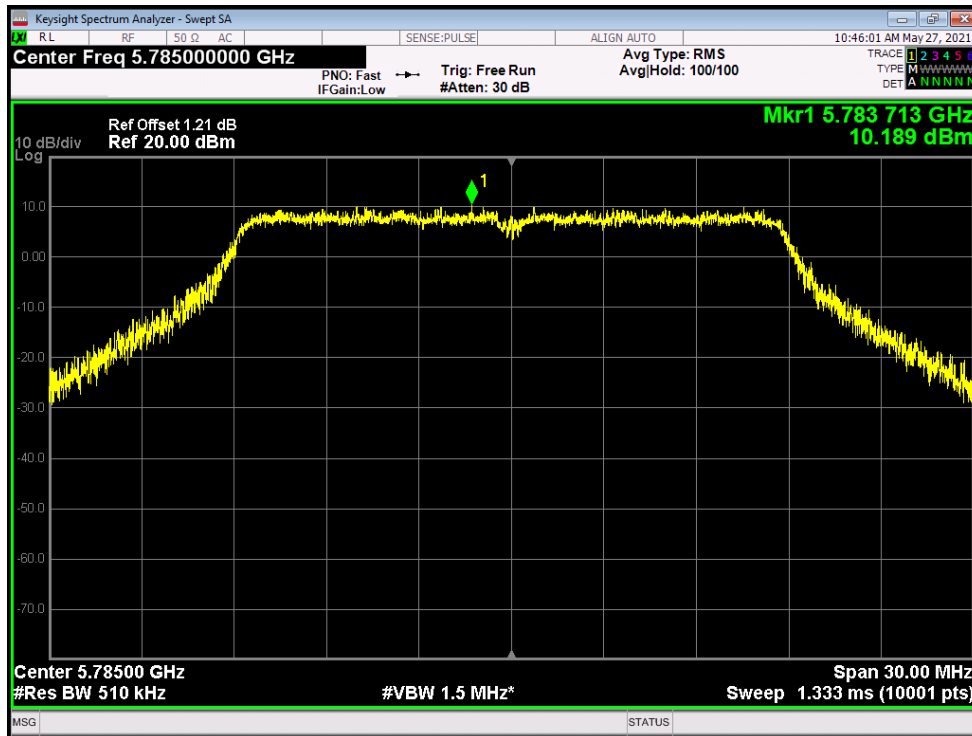
Condition	Mode	Frequency (MHz)	Antenna	SISO Max PSD (dBm)	SISO Limit (dBm)	MIMO Max PSD (dBm)	MIMO Limit (dBm)	Verdict
NVNT	802.11ac20	5745	Ant1	10.276	24.99	14.066	24.99	Pass
NVNT	802.11ac20	5745	Ant2	11.717	24.99			
NVNT	802.11ac20	5785	Ant1	10.189	24.99	14.129	24.99	Pass
NVNT	802.11ac20	5785	Ant2	11.884	24.99			

NVNT	802.11ac20	5825	Ant1	10.422	24.99	14.076	24.99	Pass
NVNT	802.11ac20	5825	Ant2	11.627	24.99			
NVNT	802.11ac40	5755	Ant1	10.77	24.99	14.281	24.99	Pass
NVNT	802.11ac40	5755	Ant2	11.719	24.99			
NVNT	802.11ac40	5795	Ant1	10.851	24.99	14.856	24.99	Pass
NVNT	802.11ac40	5795	Ant2	12.655	24.99			
NVNT	802.11ac80	5775	Ant1	-1.216	24.99	1.59	24.99	Pass
NVNT	802.11ac80	5775	Ant2	-1.635	24.99			

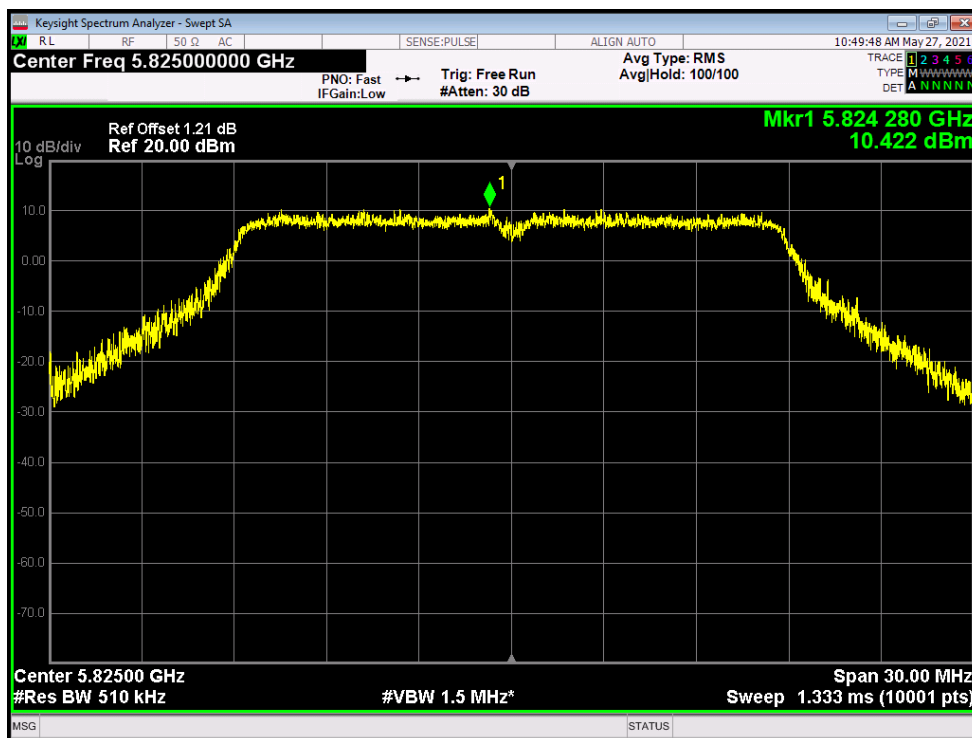
PSD NVNT ac20 5745MHz Ant1



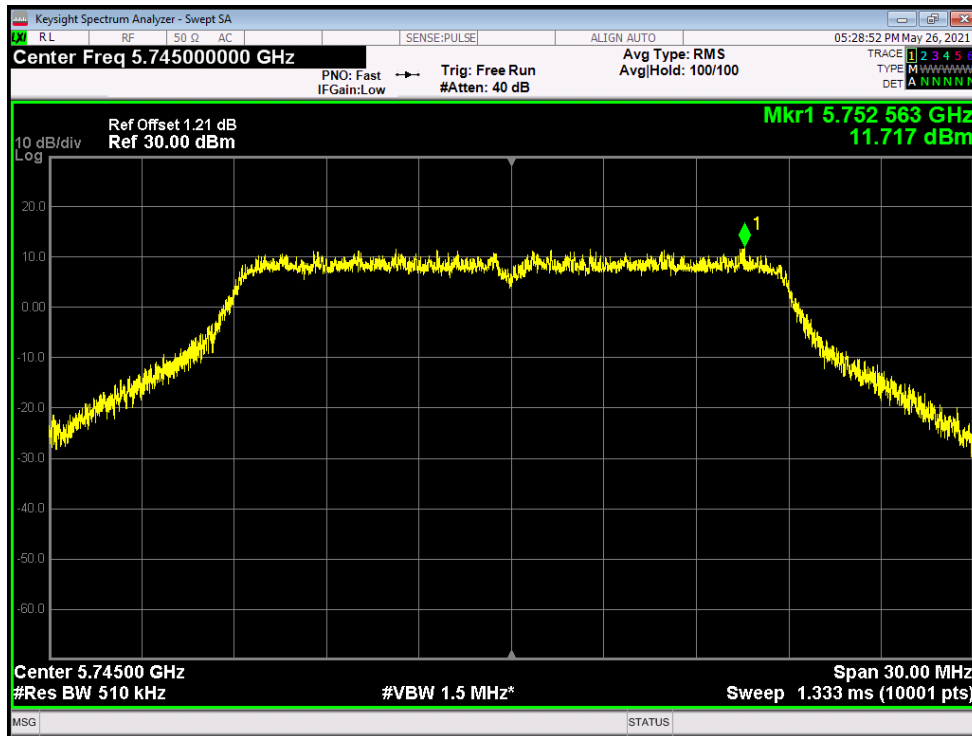
PSD NVNT ac20 5785MHz Ant1



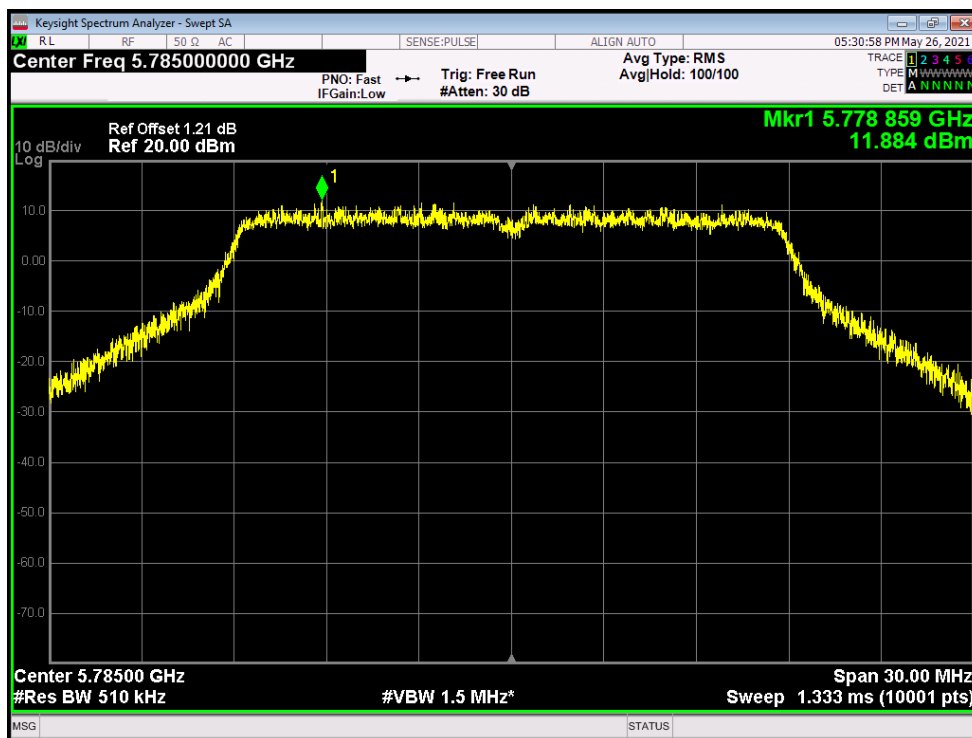
PSD NVNT ac20 5825MHz Ant1



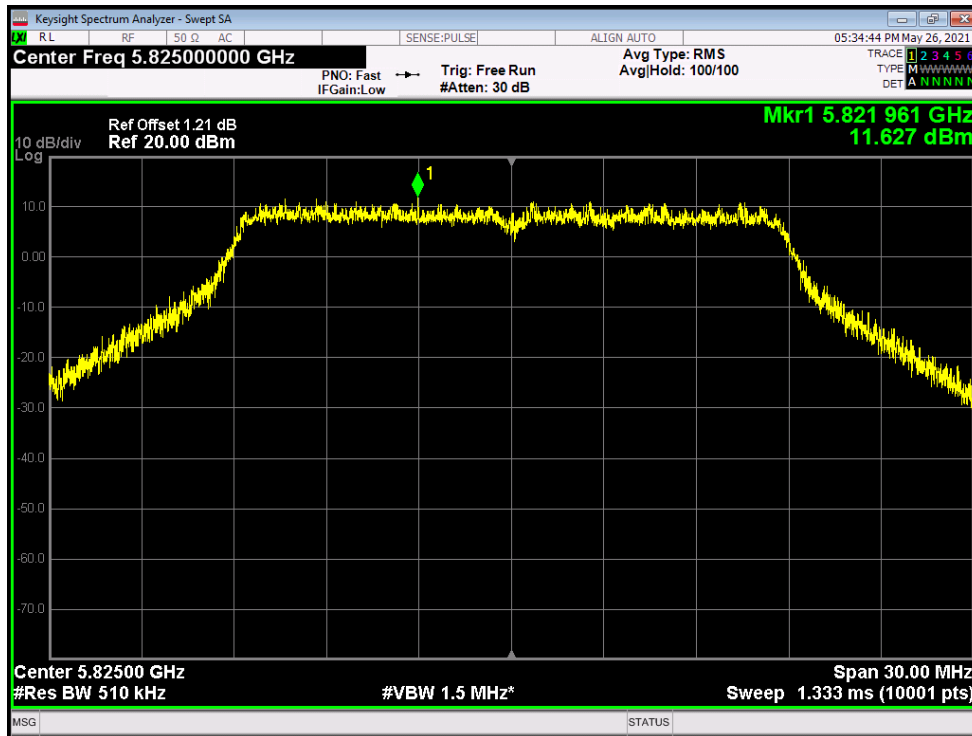
PSD NVNT ac20 5745MHz Ant2



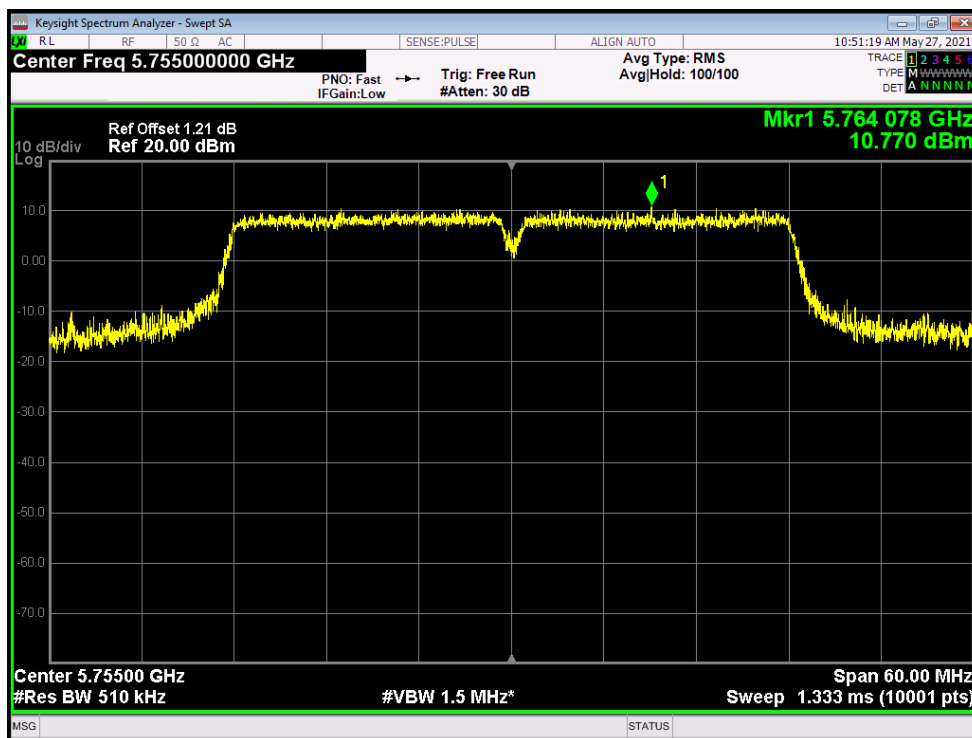
PSD NVNT ac20 5785MHz Ant2



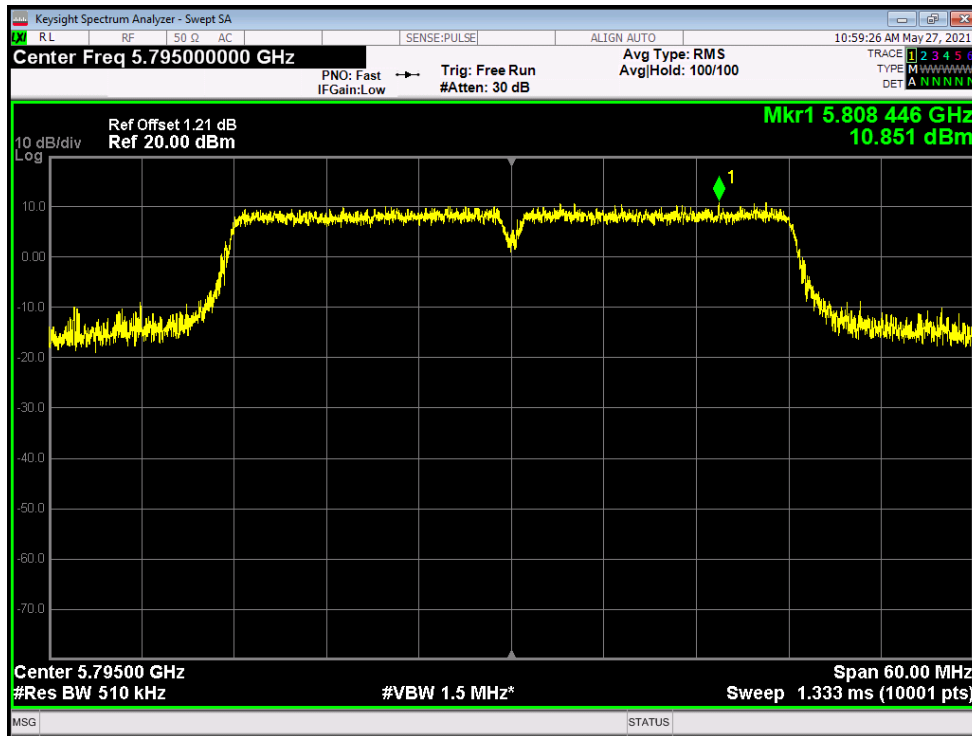
PSD NVNT ac20 5825MHz Ant2



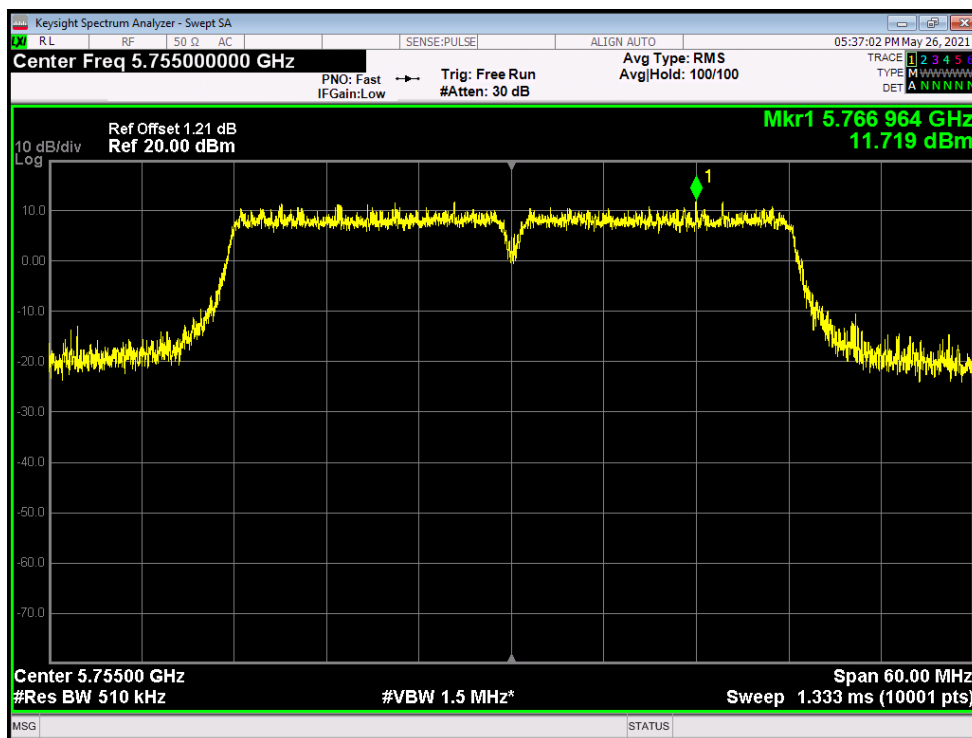
PSD NVNT ac40 5755MHz Ant1



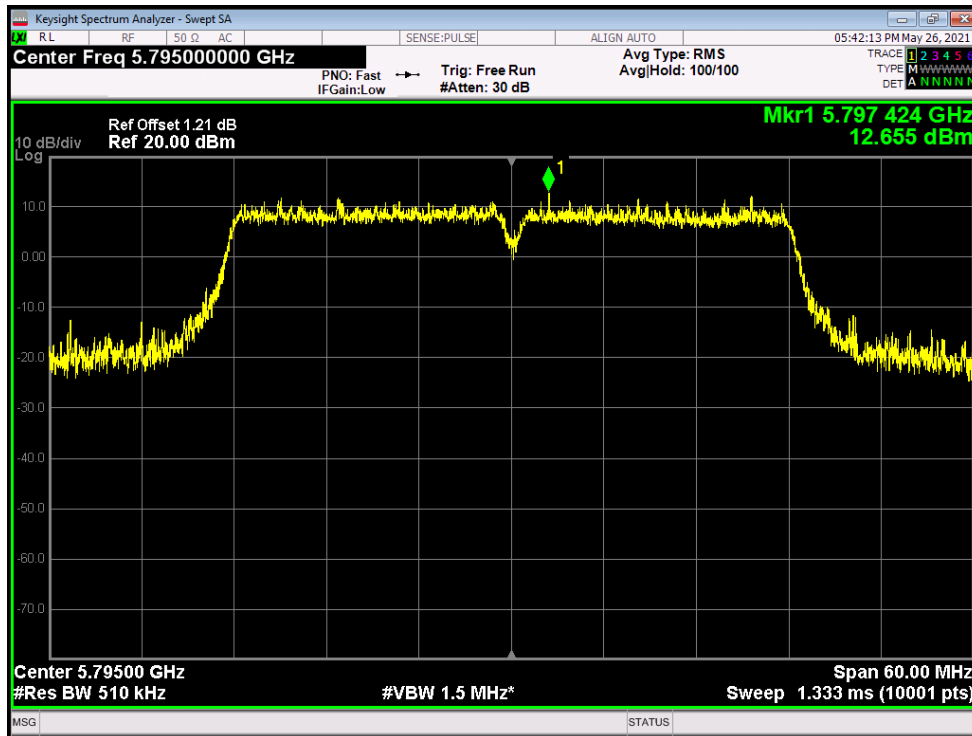
PSD NVNT ac40 5795MHz Ant1



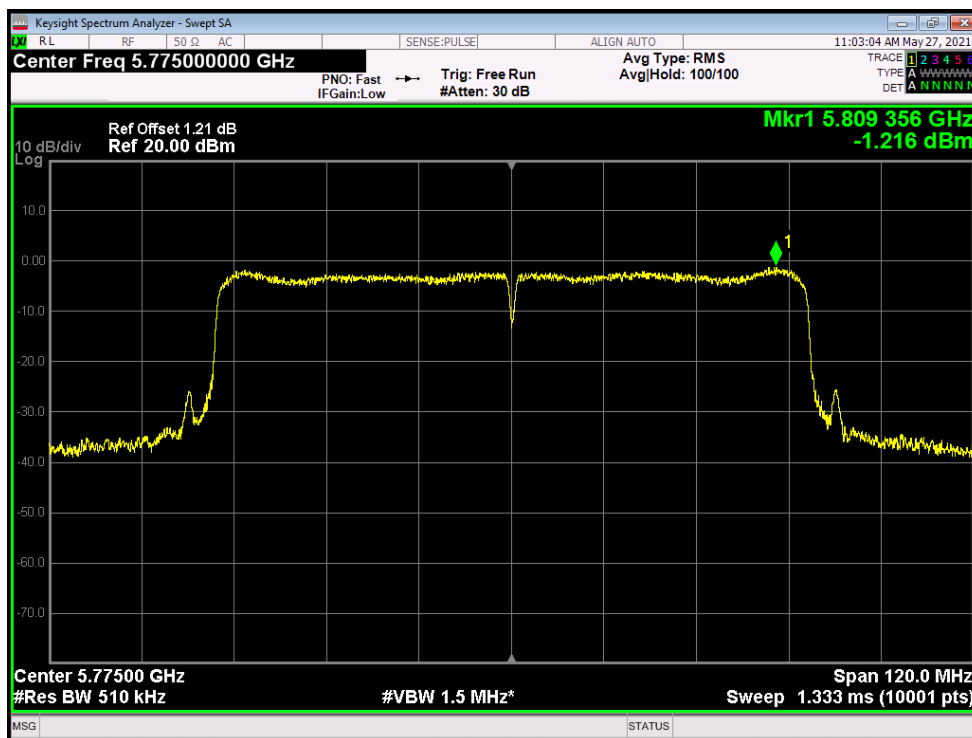
PSD NVNT ac40 5755MHz Ant2



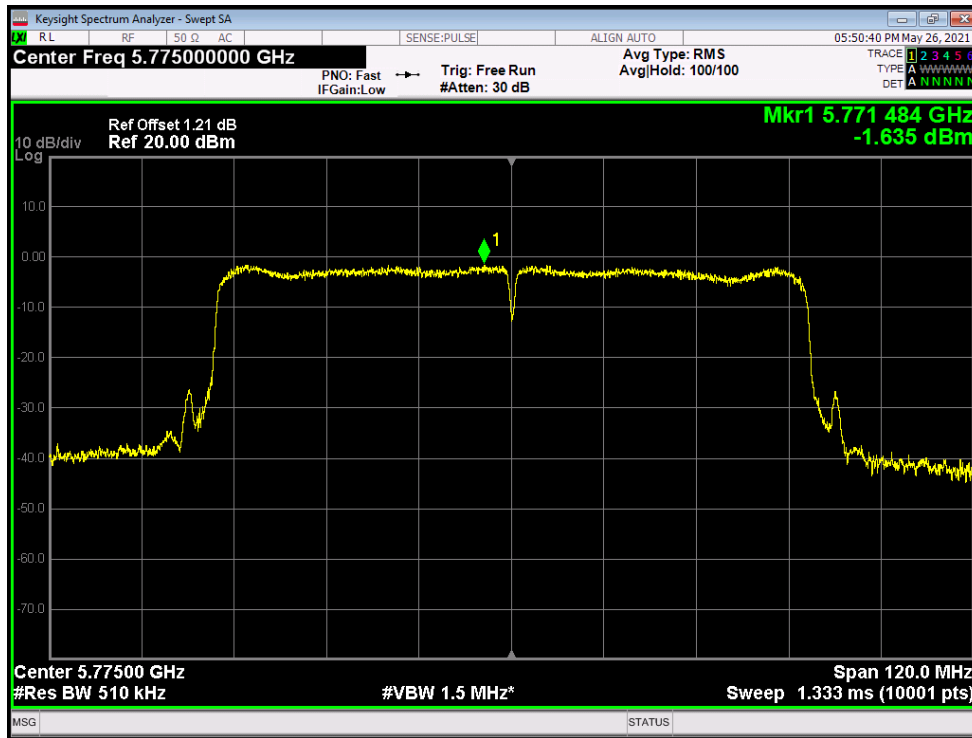
PSD NVNT ac40 5795MHz Ant2



PSD NVNT ac80 5775MHz Ant1



PSD NVNT ac80 5775MHz Ant2

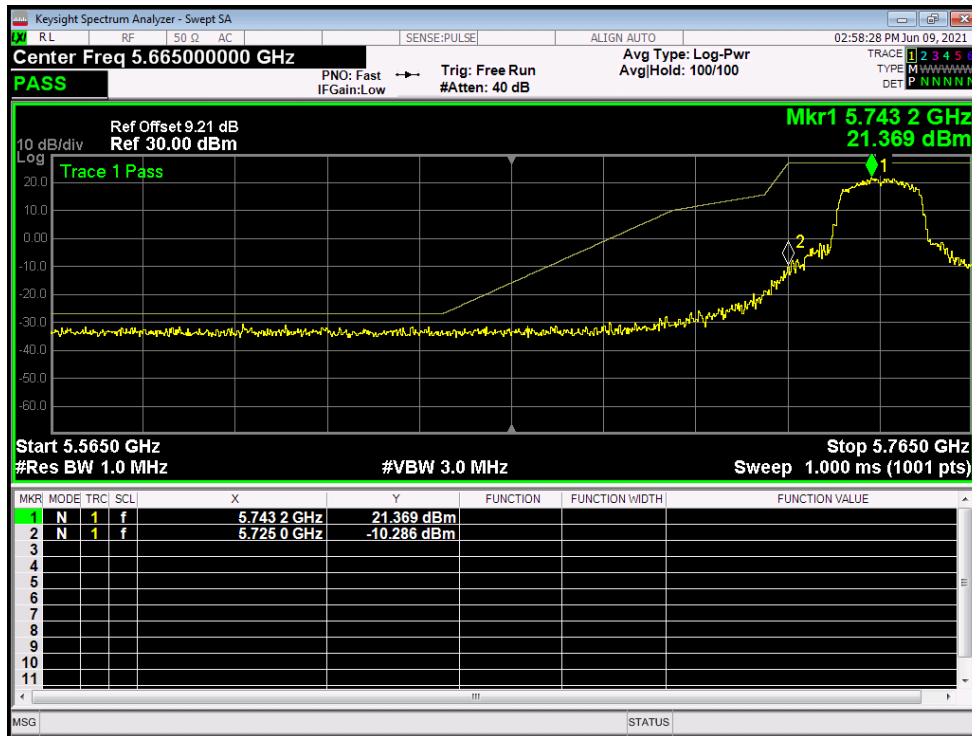


Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	ac20	5745	Ant1	-10.28	Pass
NVNT	ac20	5825	Ant1	-19.06	Pass
NVNT	ac20	5745	Ant2	-10.66	Pass
NVNT	ac20	5825	Ant2	-17.26	Pass
NVNT	ac40	5755	Ant1	-6.96	Pass
NVNT	ac40	5795	Ant1	-23.73	Pass
NVNT	ac40	5755	Ant2	-5.57	Pass
NVNT	ac40	5795	Ant2	-24.29	Pass
NVNT	ac80	5775	Ant1	-12.35	Pass
NVNT	ac80	5775	Ant2	-12.69	Pass

Note: The SISO margin is greater than 3db, the MIMO mode is meets the requirements. The offset contain the antenna gain.

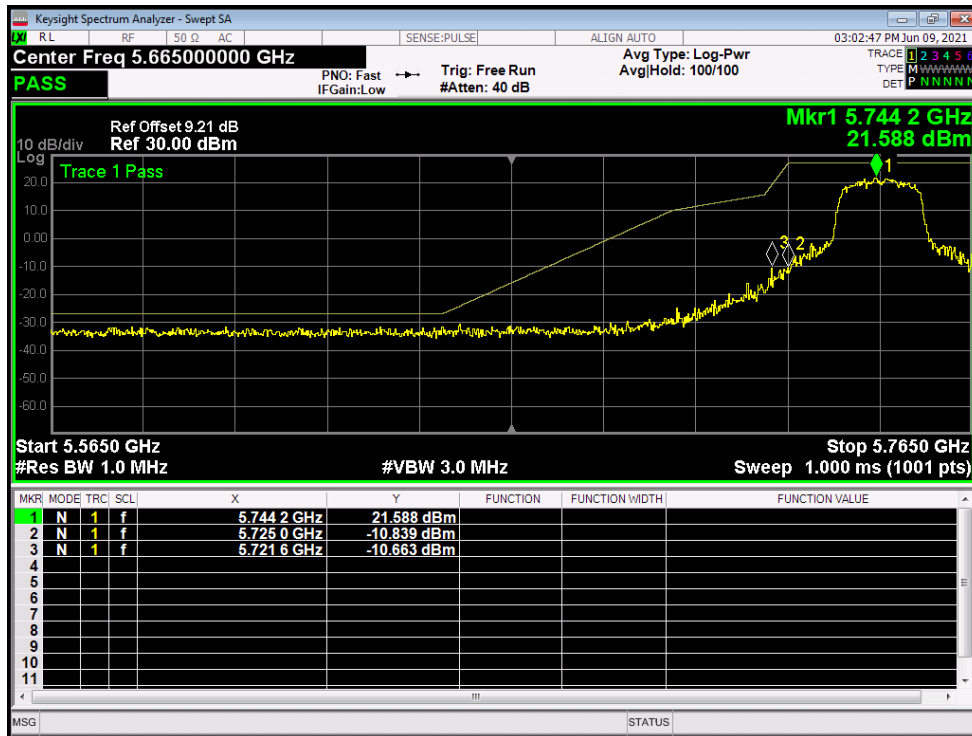
Band Edge NVNT ac20 5745MHz Low Ant1



Band Edge NVNT ac20 5825MHz High Ant1



Band Edge NVNT ac20 5745MHz Low Ant2



Band Edge NVNT ac20 5825MHz High Ant2



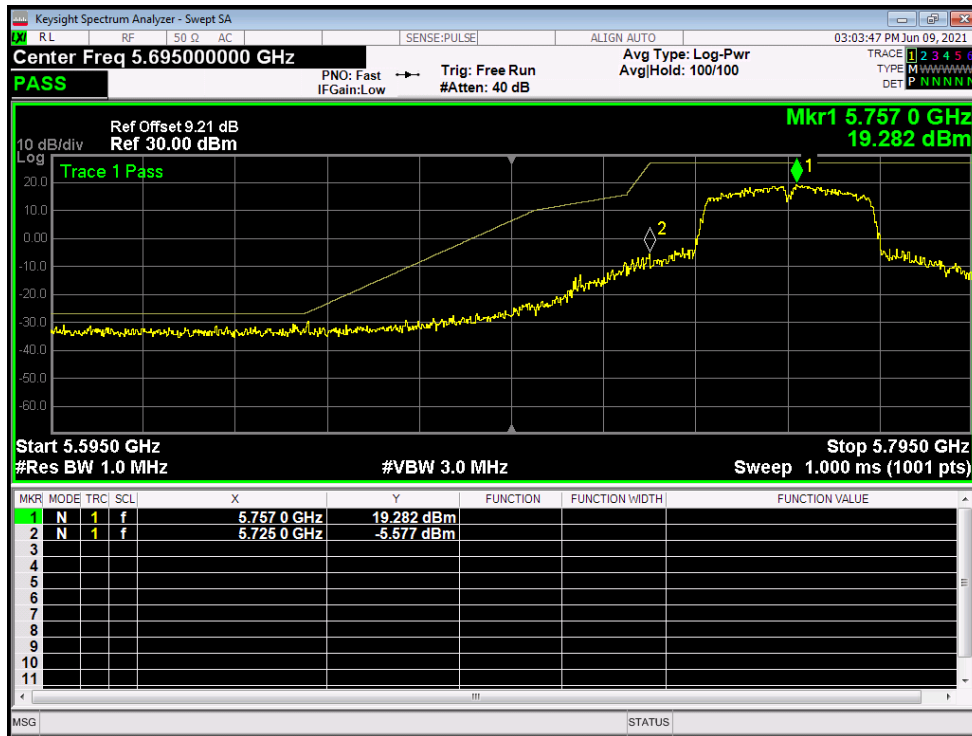
Band Edge NVNT ac40 5755MHz Low Ant1



Band Edge NVNT ac40 5795MHz High Ant1



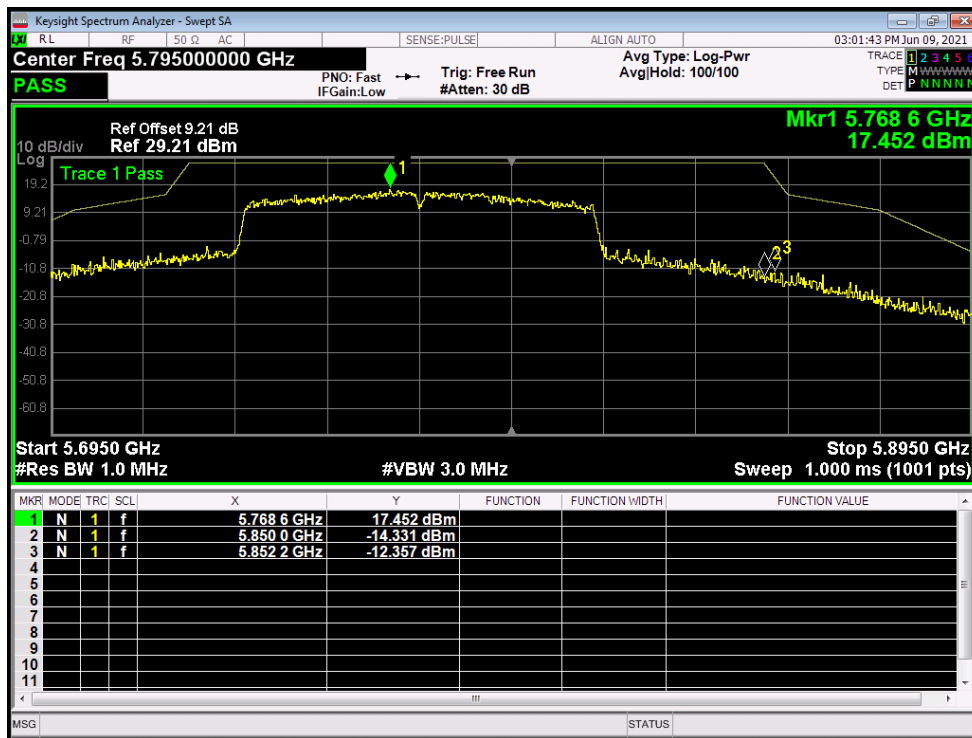
Band Edge NVNT ac40 5755MHz Low Ant2



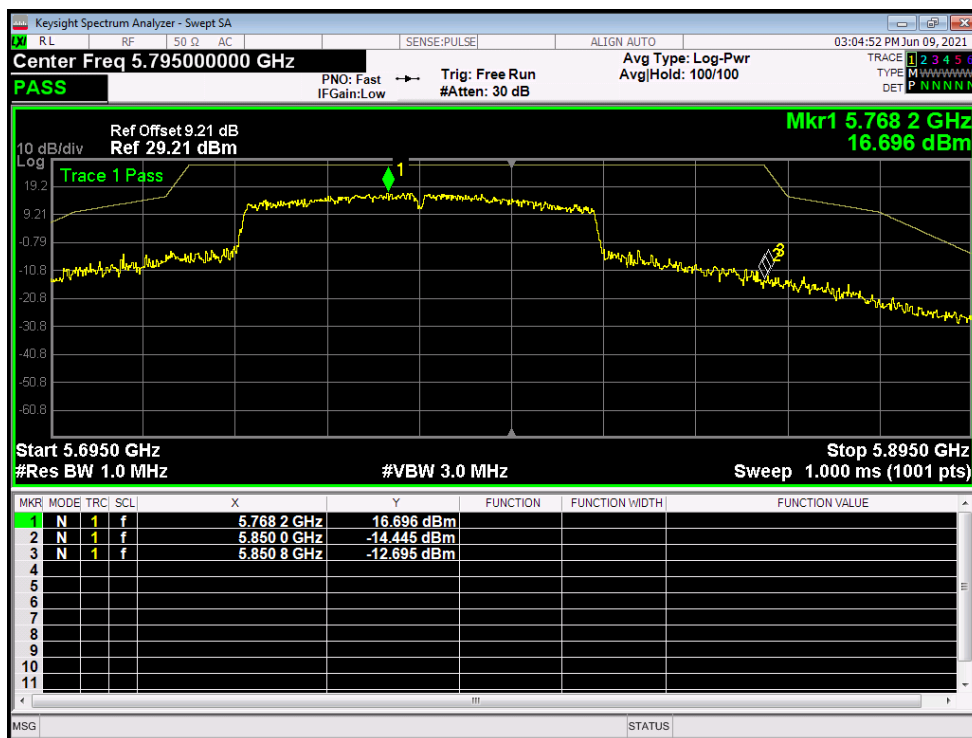
Band Edge NVNT ac40 5795MHz High Ant2



Band Edge NVNT ac80 5775MHz High Ant1



Band Edge NVNT ac80 5775MHz High Ant2



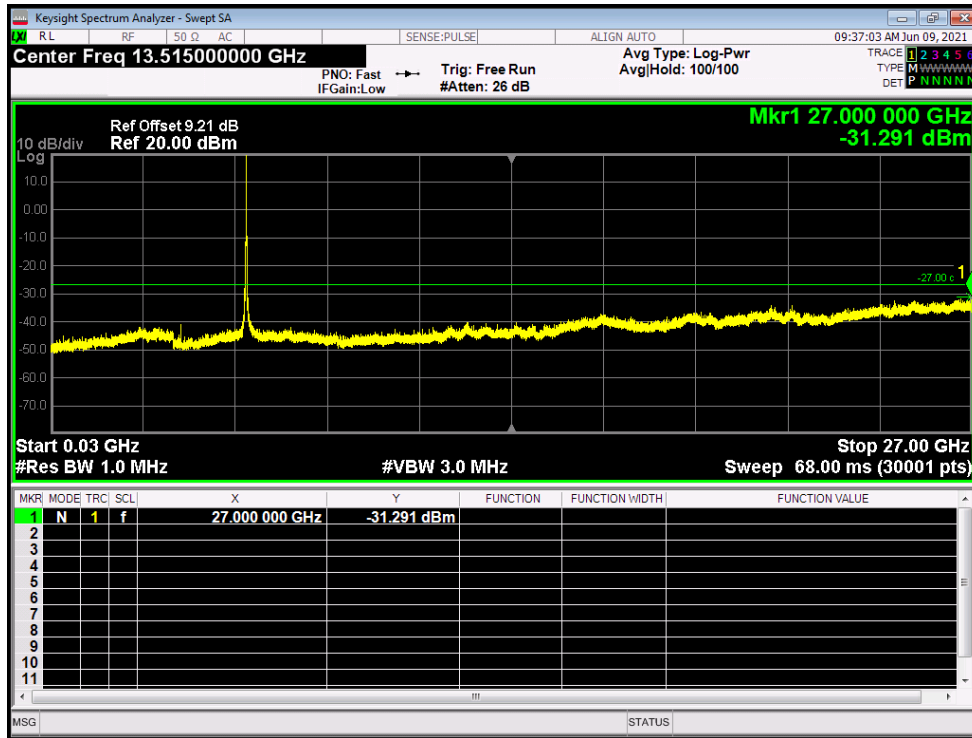
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ac20	5745	Ant1	-31.29	-27	Pass
NVNT	ac20	5785	Ant1	-31.57	-27	Pass
NVNT	ac20	5825	Ant1	-31.73	-27	Pass
NVNT	ac20	5745	Ant2	-31.85	-27	Pass
NVNT	ac20	5785	Ant2	-30.04	-27	Pass

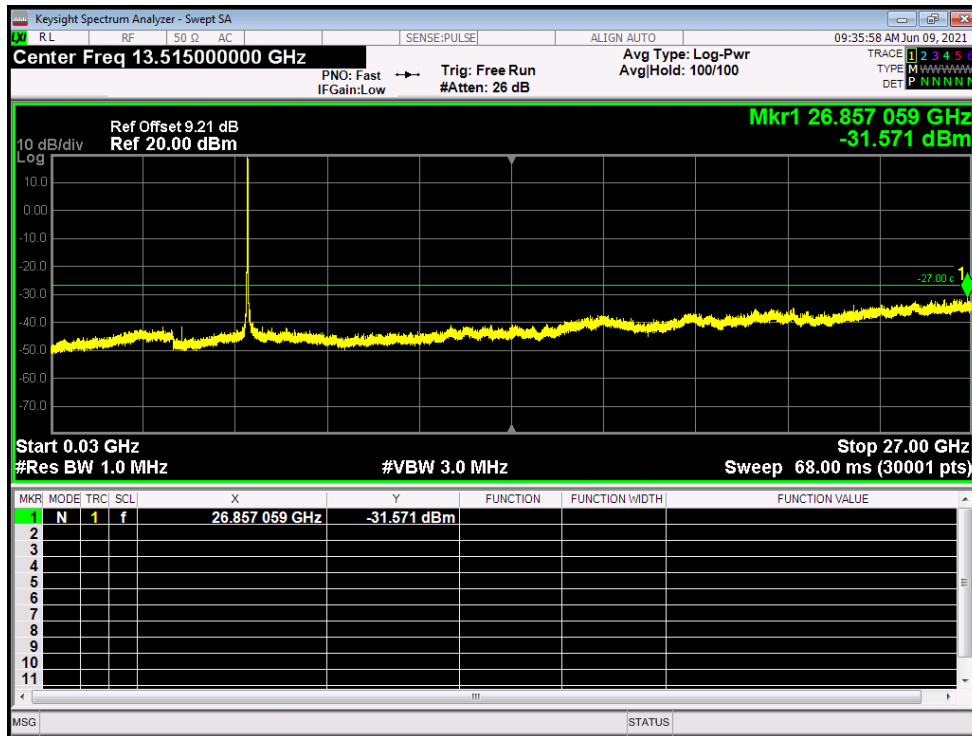
NVNT	ac20	5825	Ant2	-31.57	-27	Pass
NVNT	ac40	5755	Ant1	-31.96	-27	Pass
NVNT	ac40	5795	Ant1	-32.19	-27	Pass
NVNT	ac40	5755	Ant2	-31.48	-27	Pass
NVNT	ac40	5795	Ant2	-30.22	-27	Pass
NVNT	ac80	5775	Ant1	-30.44	-27	Pass
NVNT	ac80	5775	Ant2	-29.08	-27	Pass

Note: The SISO margin is greater than 3db, the MIMO mode is meets the requirements. The offset contain the antenna gain.

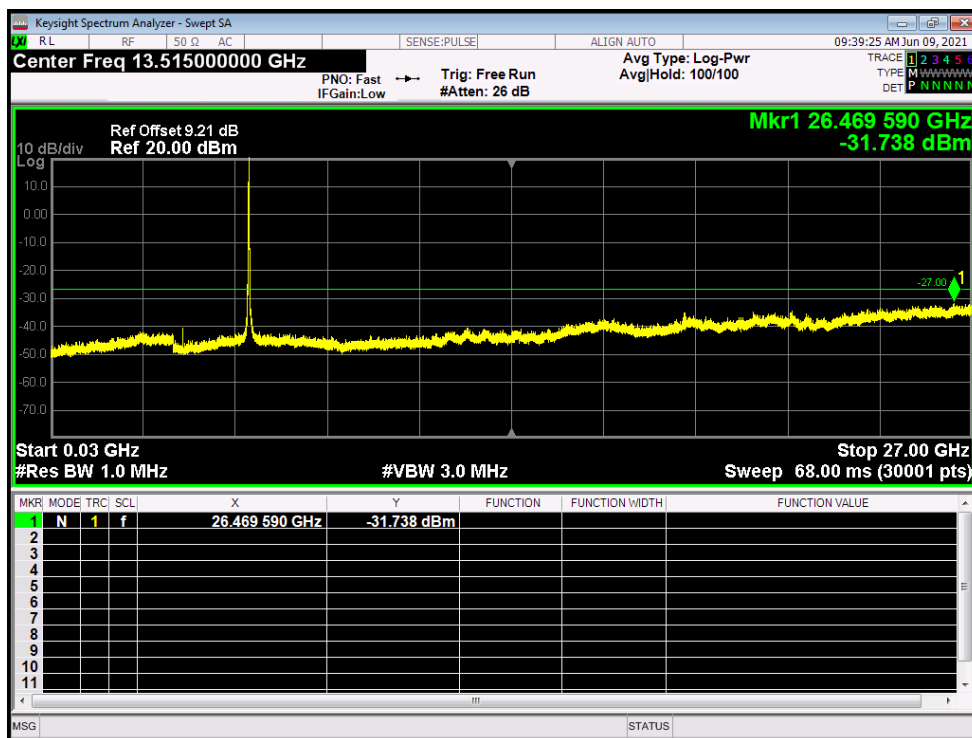
Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



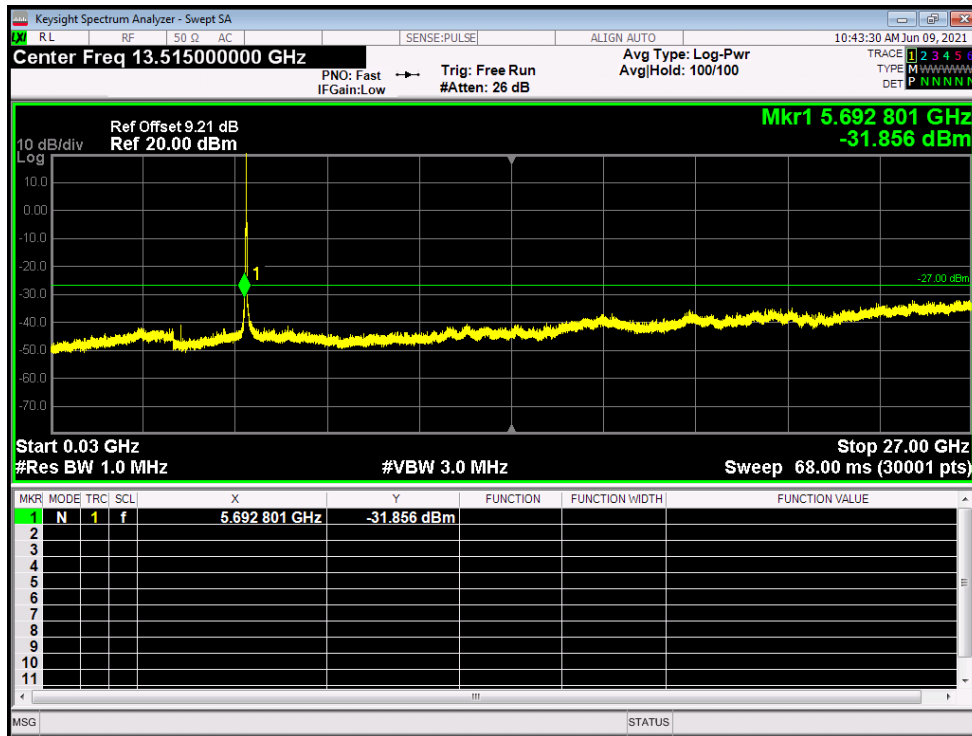
Tx. Spurious NVNT ac20 5785MHz Ant1 Emission



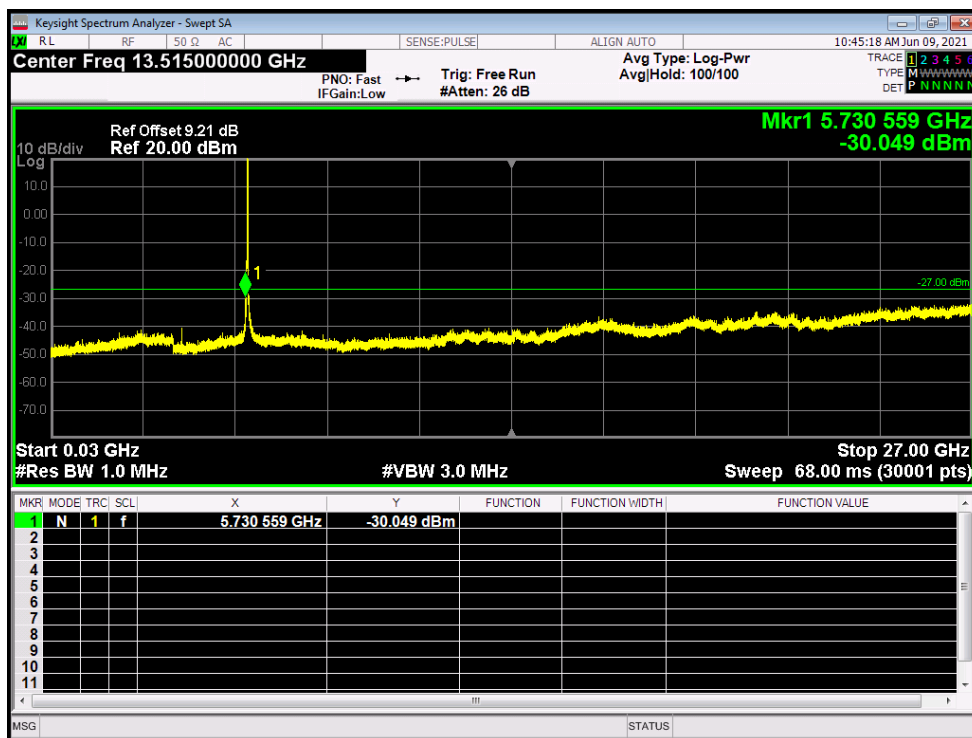
Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



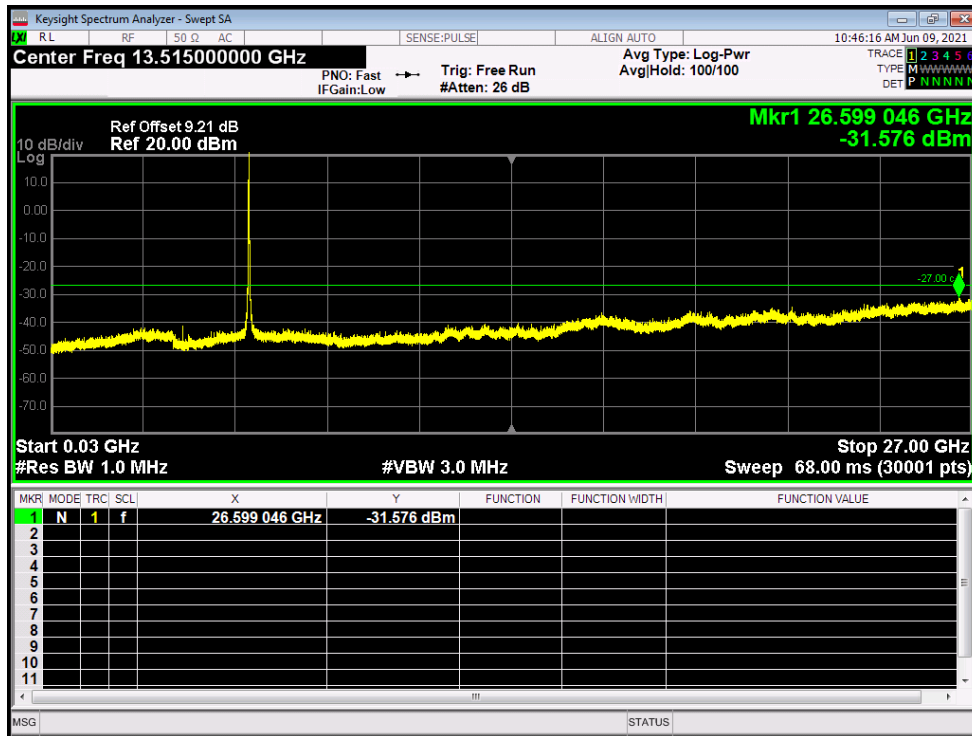
Tx. Spurious NVNT ac20 5745MHz Ant2 Emission



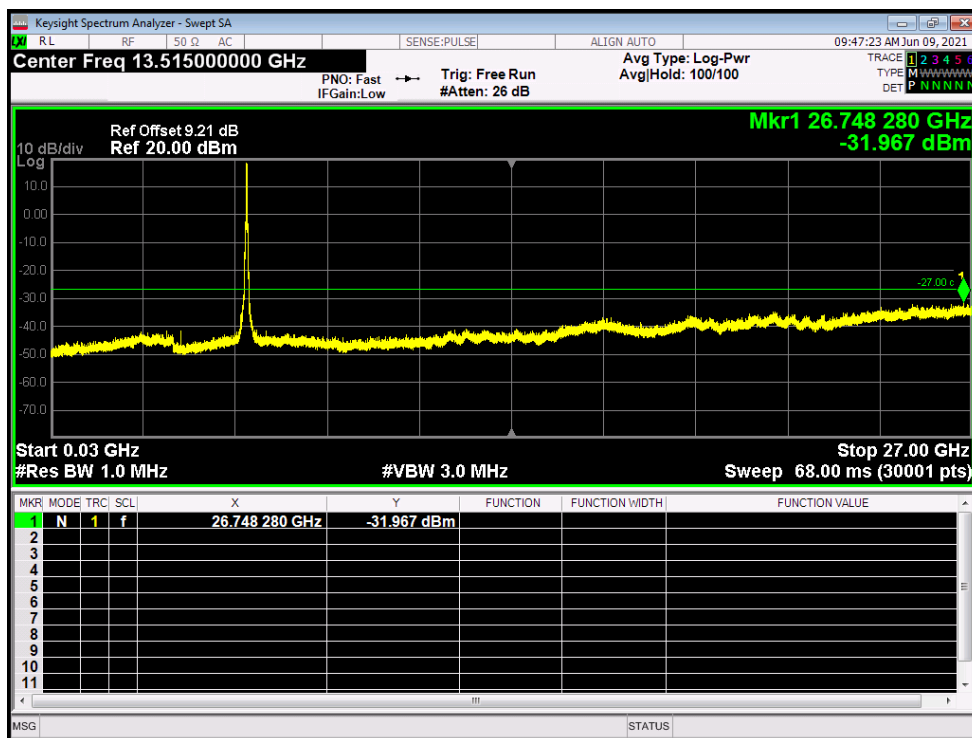
Tx. Spurious NVNT ac20 5785MHz Ant2 Emission



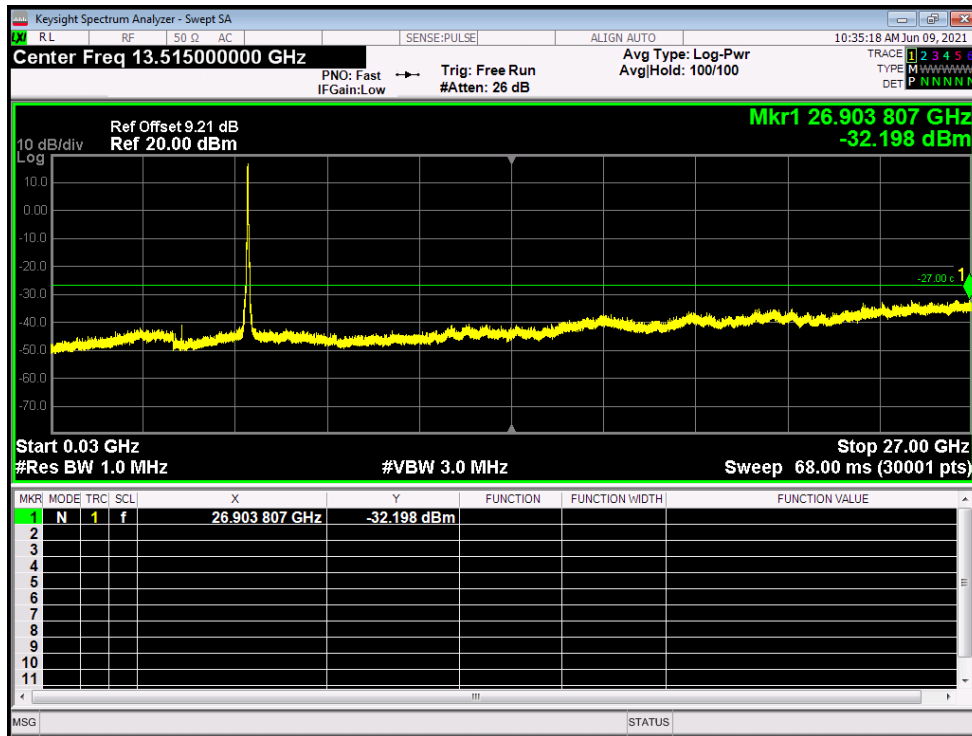
Tx. Spurious NVNT ac20 5825MHz Ant2 Emission



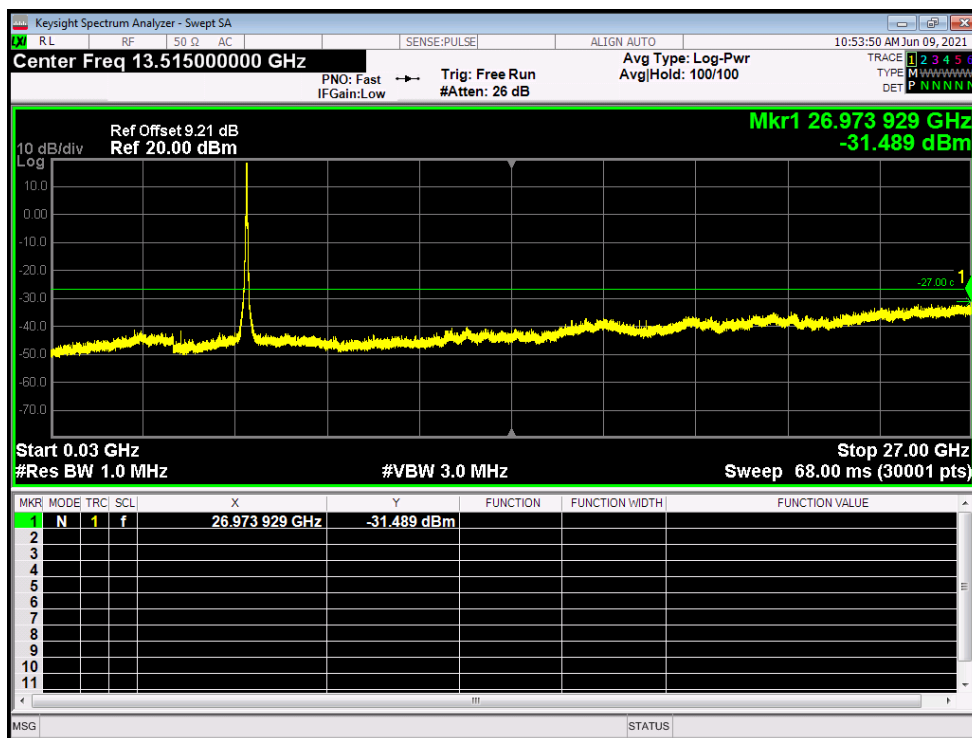
Tx. Spurious NVNT ac40 5755MHz Ant1 Emission



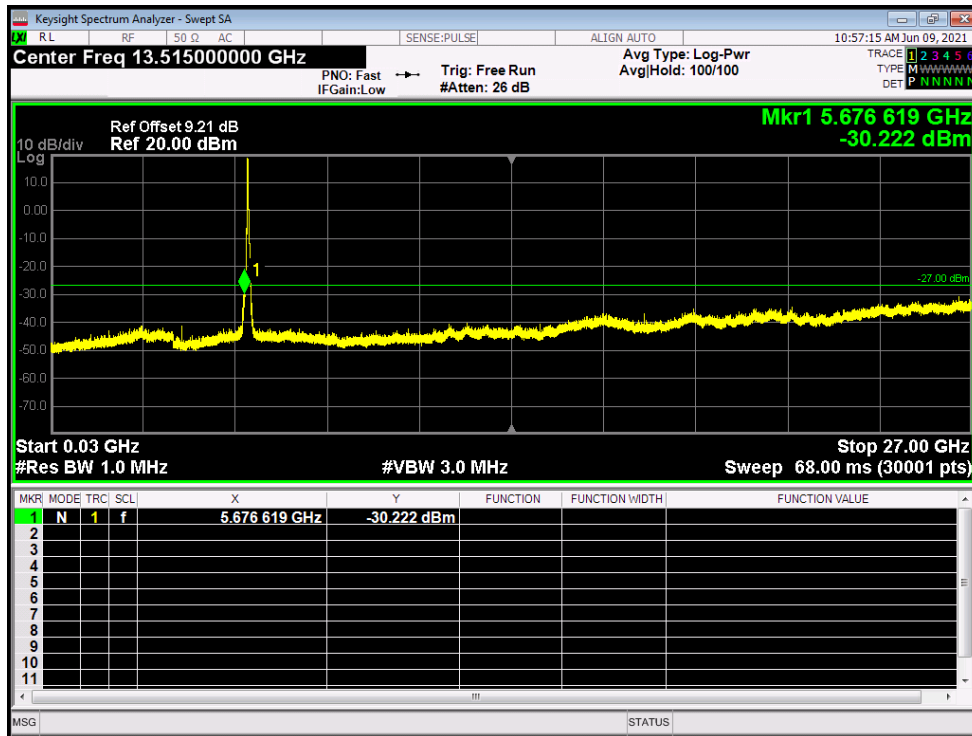
Tx. Spurious NVNT ac40 5795MHz Ant1 Emission



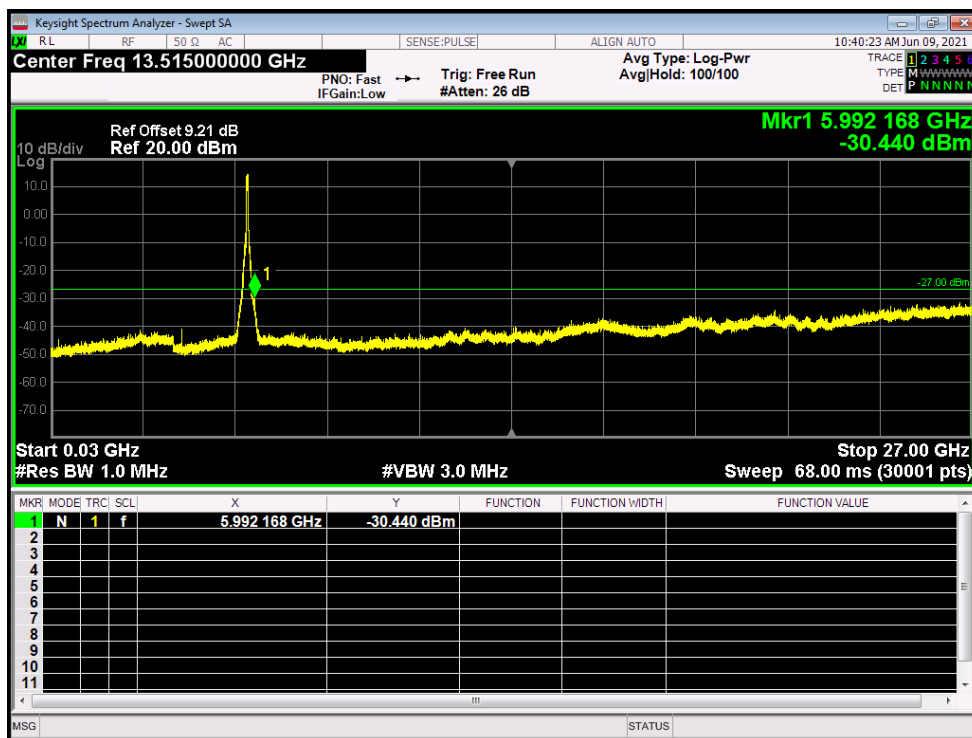
Tx. Spurious NVNT ac40 5755MHz Ant2 Emission



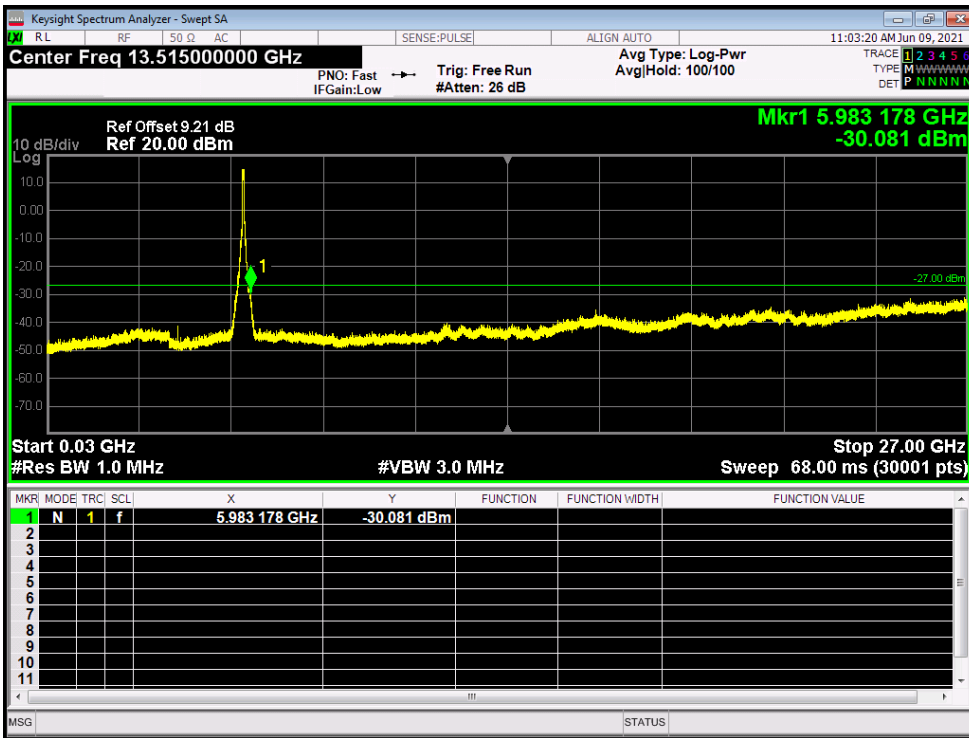
Tx. Spurious NVNT ac40 5795MHz Ant2 Emission



Tx. Spurious NVNT ac80 5775MHz Ant1 Emission



Tx. Spurious NVNT ac80 5775MHz Ant2 Emission

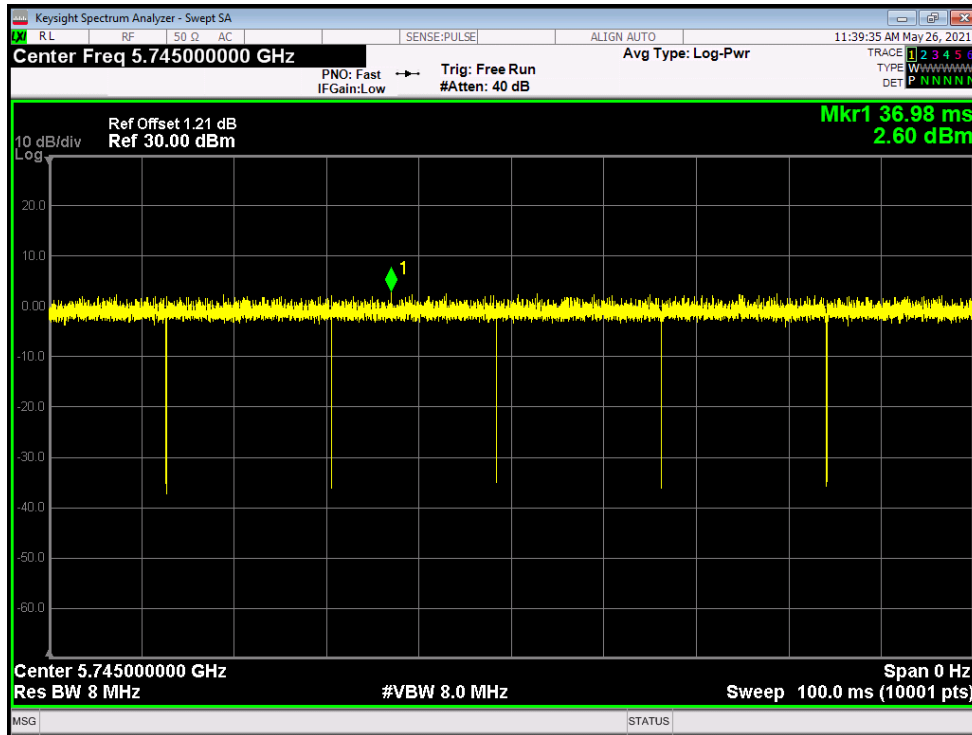


WLAN 5.8G 25dBi Antenna

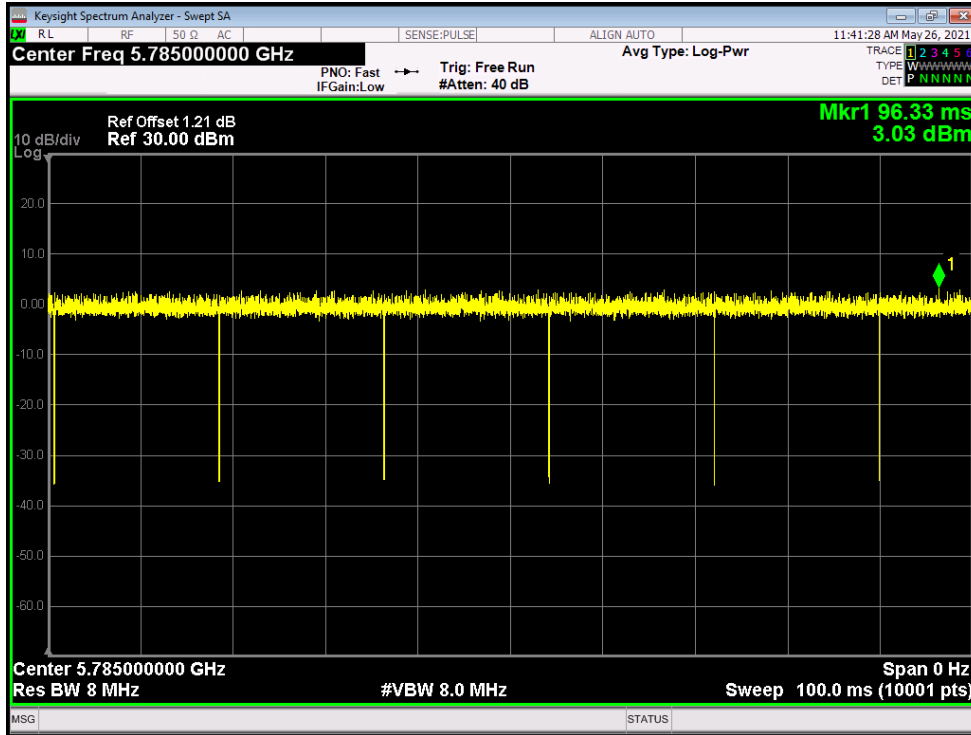
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVHT	ac20	5745	Ant1	100	0
NVHT	ac20	5785	Ant1	100	0
NVHT	ac20	5825	Ant1	100	0
NVNT	ac20	5745	Ant2	100	0
NVNT	ac20	5785	Ant2	100	0
NVNT	ac20	5825	Ant2	100	0
NVHT	ac40	5755	Ant1	100	0
NVHT	ac40	5795	Ant1	100	0
NVNT	ac40	5755	Ant2	100	0
NVNT	ac40	5795	Ant2	100	0
NVHT	ac80	5775	Ant1	98.86	0.05
NVNT	ac80	5775	Ant2	98.95	0.05

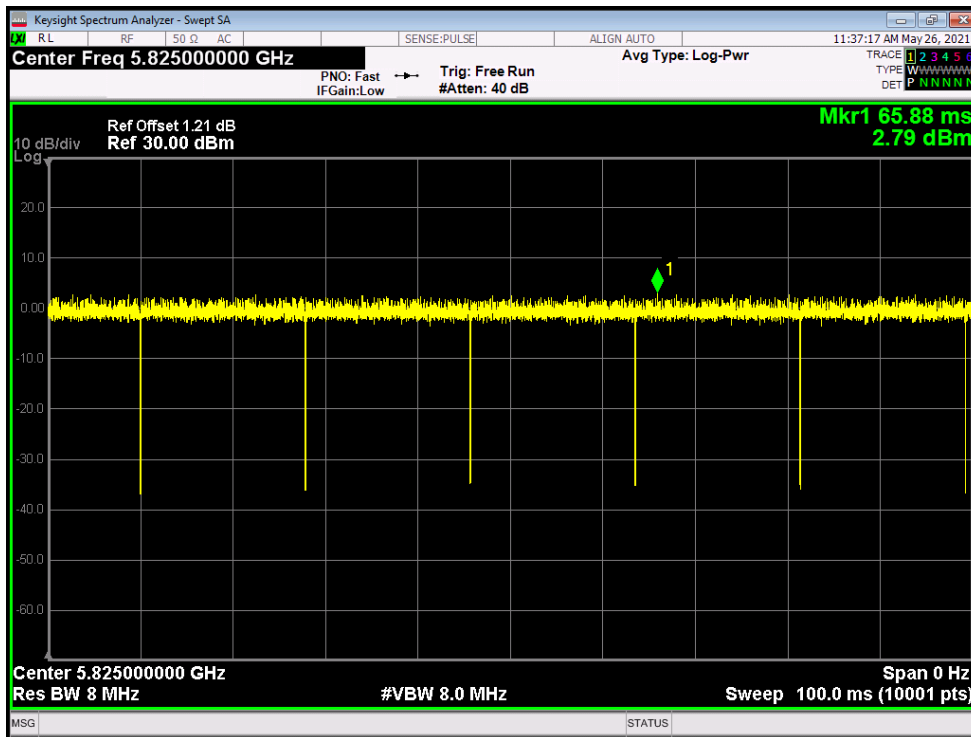
Duty Cycle NVHT ac20 5745MHz Ant1



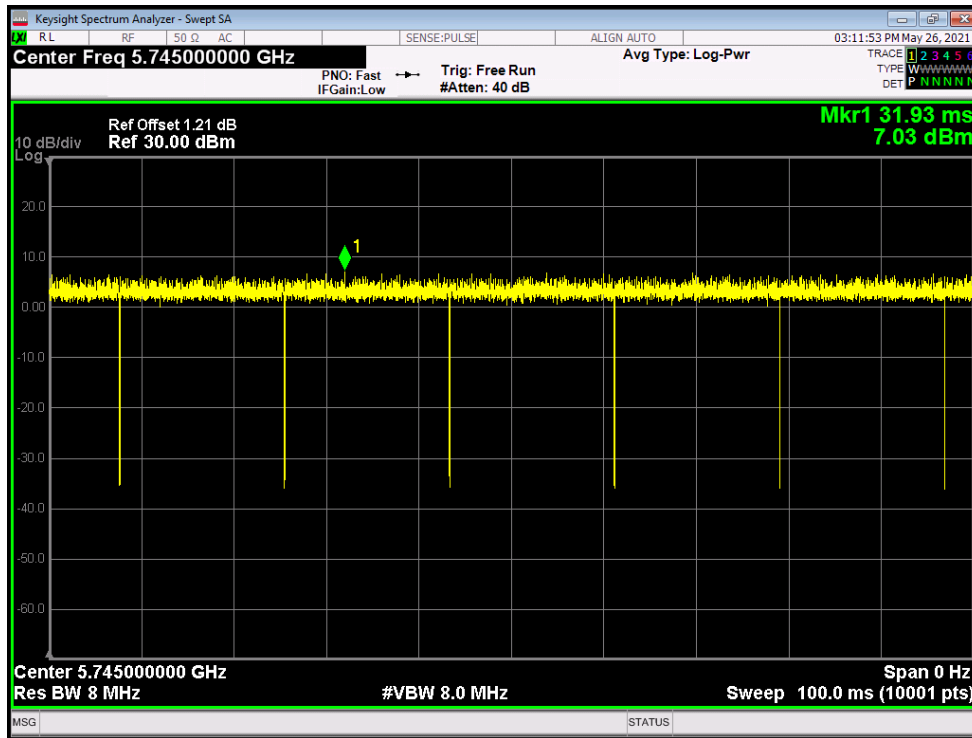
Duty Cycle NVHT ac20 5785MHz Ant1



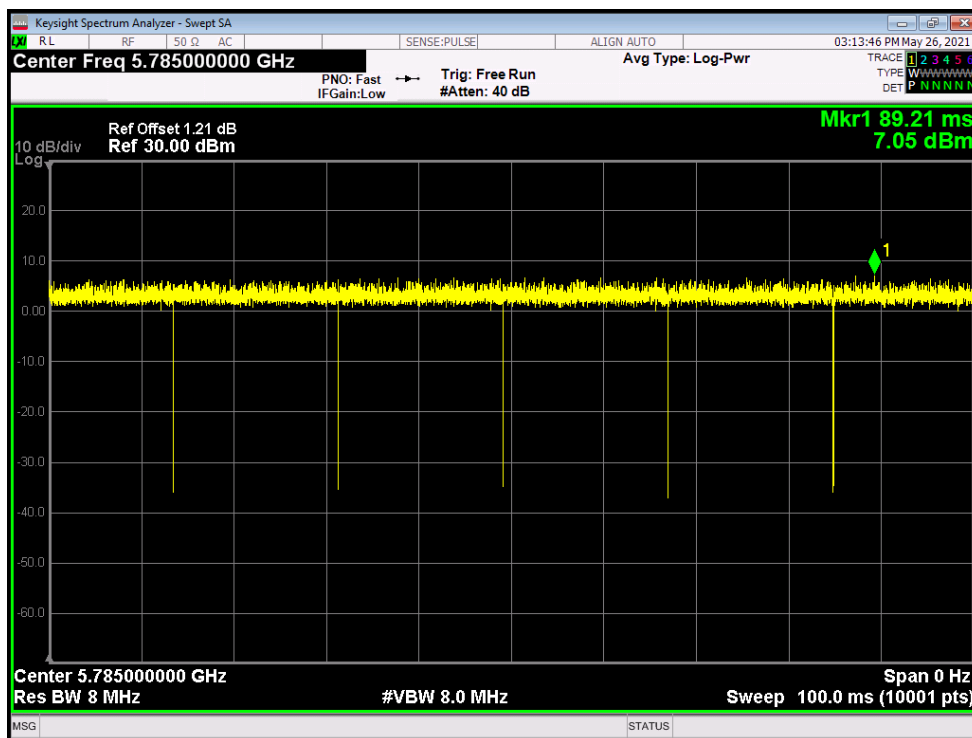
Duty Cycle NVHT ac20 5825MHz Ant1



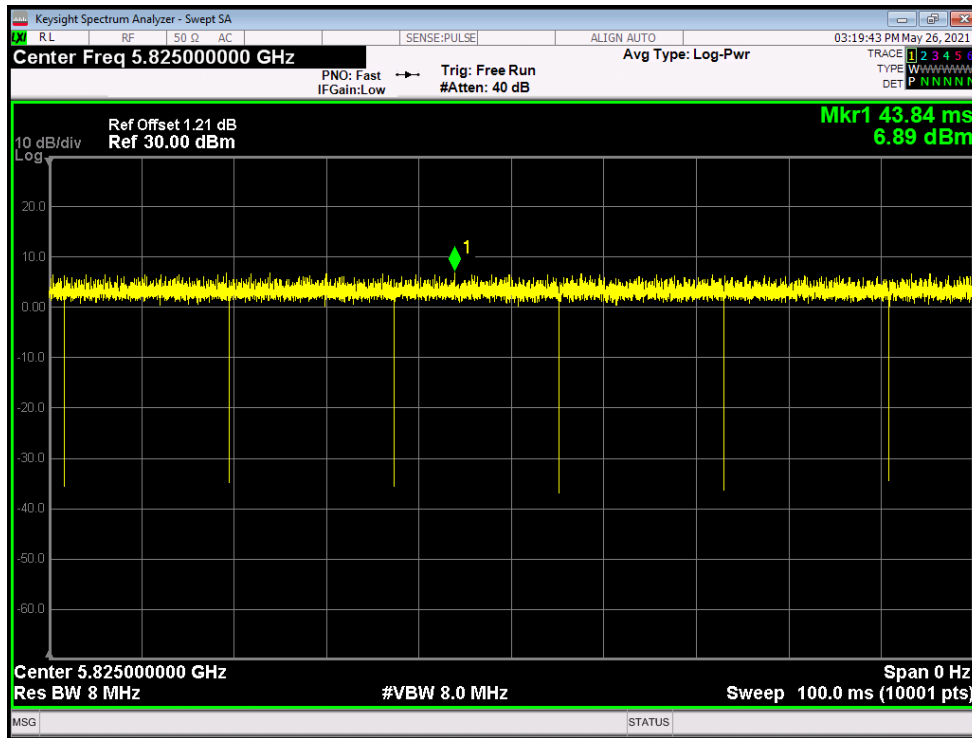
Duty Cycle NVNT ac20 5745MHz Ant2



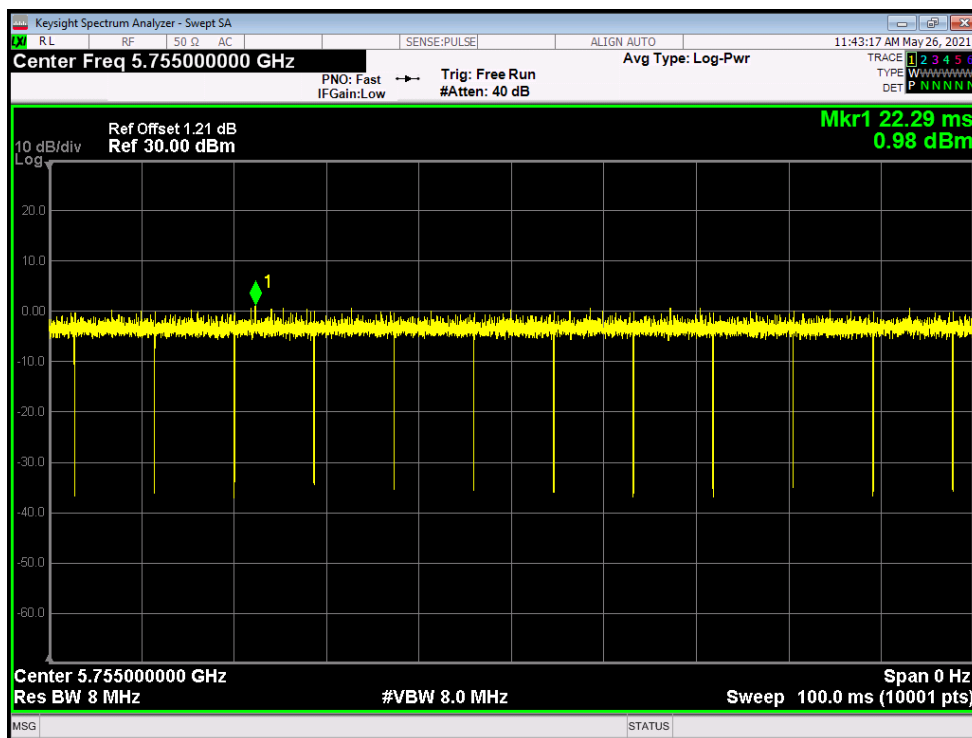
Duty Cycle NVNT ac20 5785MHz Ant2



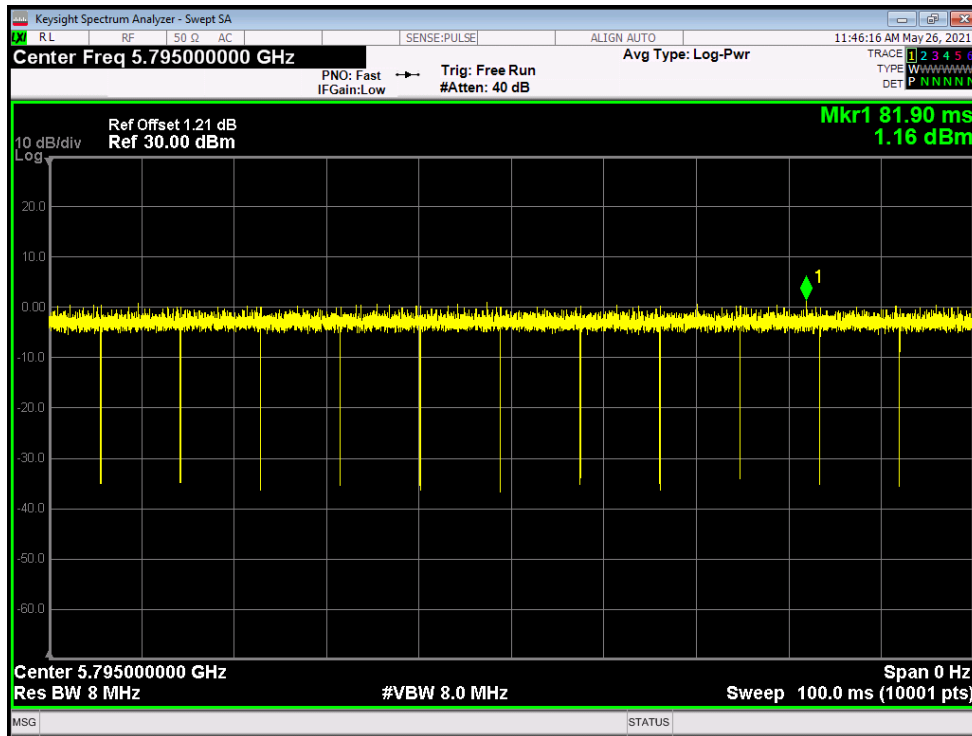
Duty Cycle NVNT ac20 5825MHz Ant2



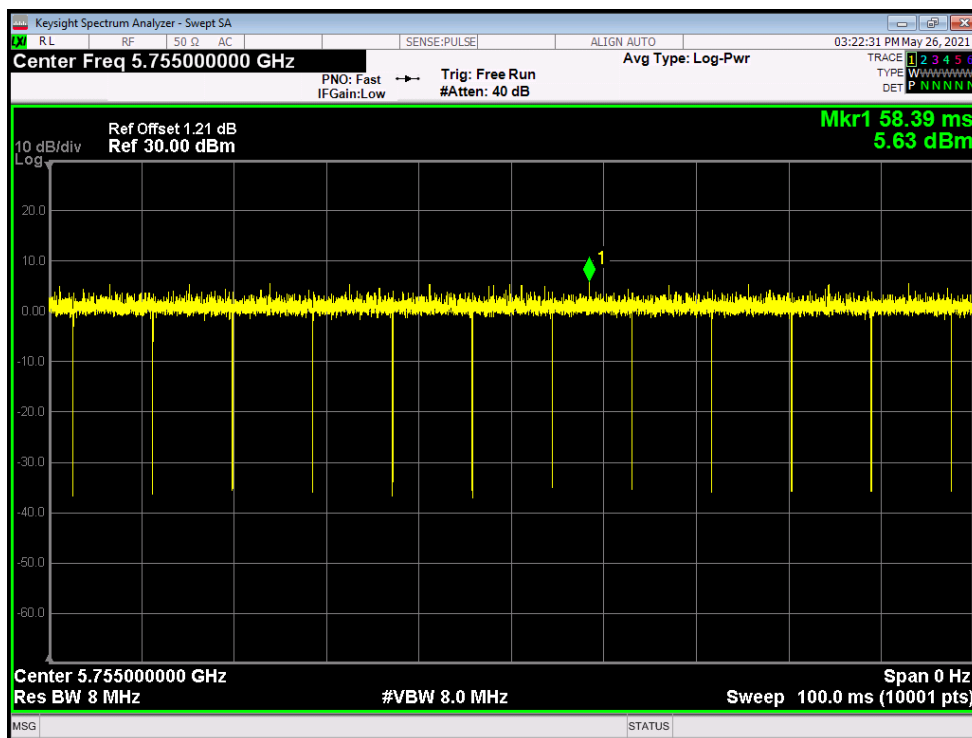
Duty Cycle NVHT ac40 5755MHz Ant1



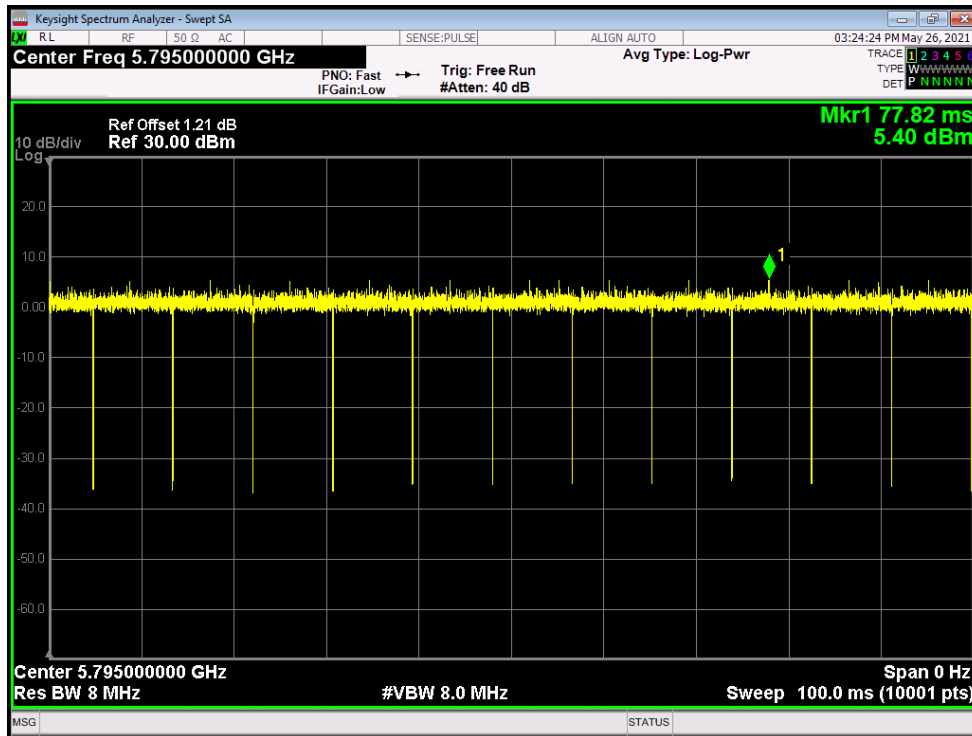
Duty Cycle NVHT ac40 5795MHz Ant1



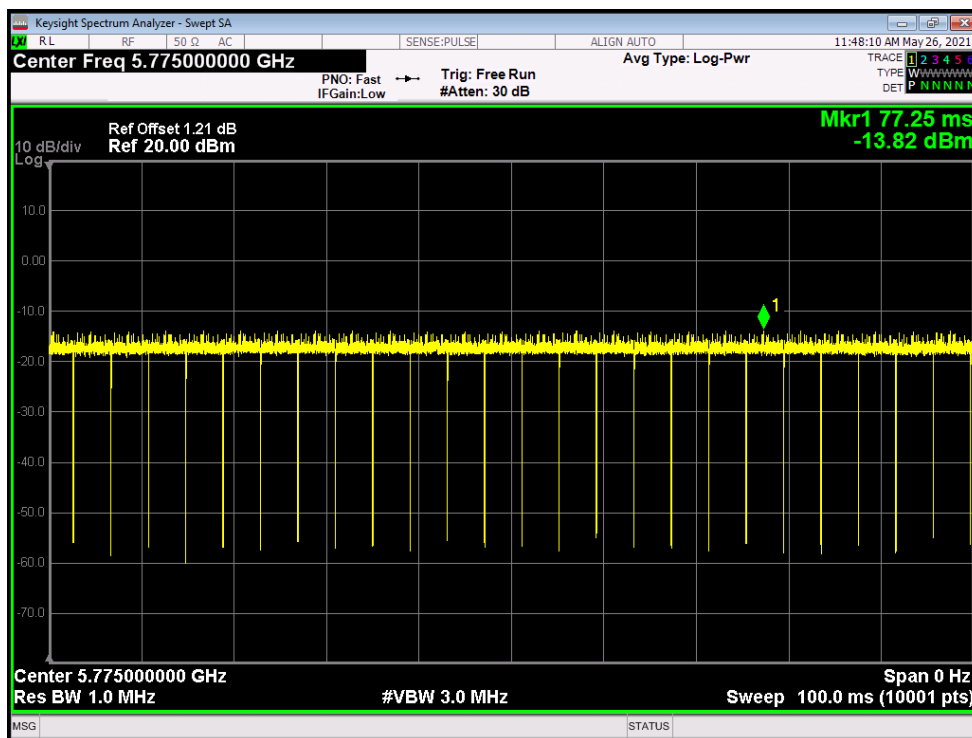
Duty Cycle NVNT ac40 5755MHz Ant2



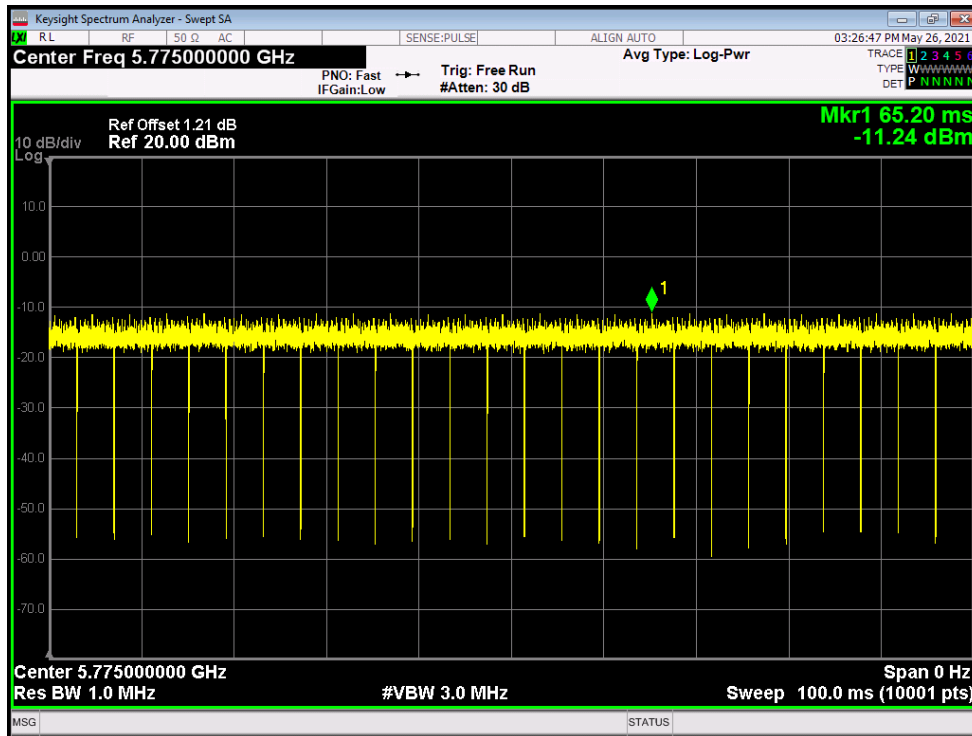
Duty Cycle NVNT ac40 5795MHz Ant2



Duty Cycle NVHT ac80 5775MHz Ant1



Duty Cycle NVNT ac80 5775MHz Ant2



Maximum Conducted Output Power

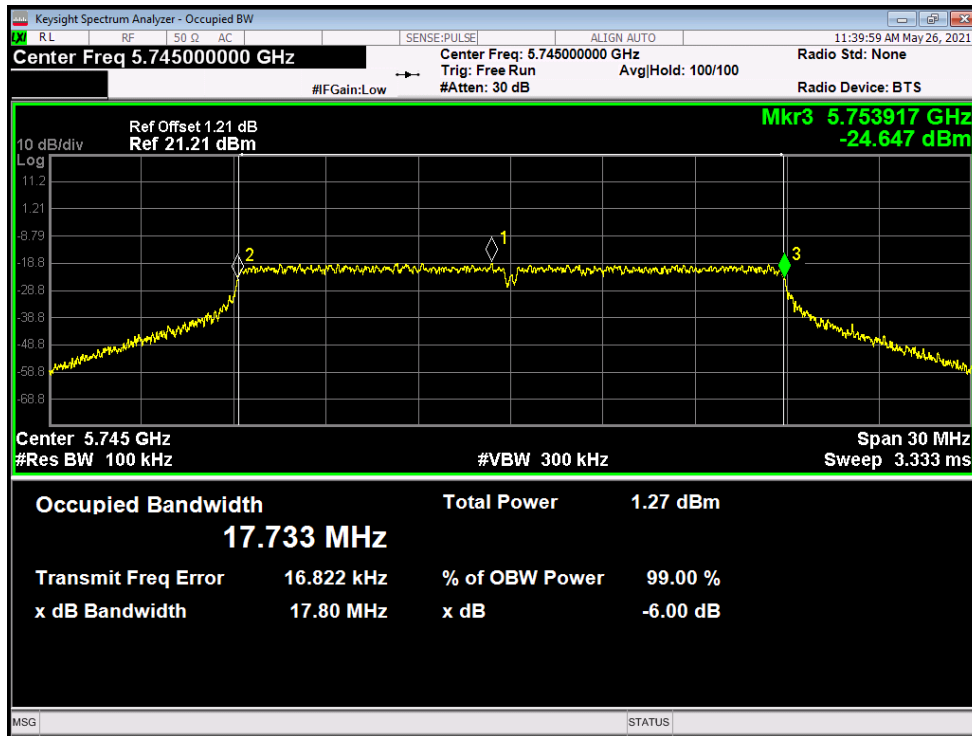
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	SISO Total Power (dBm)	SISO Limit (dBm)	MIMO Total Power (dBm)	MIMO Limit (dBm)	Verdict
NVNT	802.11ac20	5745	Ant 1	-4.282	0	-4.282	11	1.384	11	Pass
NVNT	802.11ac20	5745	Ant 2	0.009	0	0.009	11			
NVNT	802.11ac20	5785	Ant 1	-3.951	0	-3.951	11	1.404	11	Pass
NVNT	802.11ac20	5785	Ant 2	-0.092	0	-0.092	11			
NVNT	802.11ac20	5825	Ant 1	-4.019	0	-4.019	11	1.492	11	Pass
NVNT	802.11ac20	5825	Ant 2	0.059	0	0.059	11			
NVNT	802.11ac40	5755	Ant 1	-3.446	0	-3.446	11	2.355	11	Pass
NVNT	802.11ac40	5755	Ant 2	1.03	0	1.03	11			
NVNT	802.11ac40	5795	Ant 1	-3.269	0	-3.269	11	2.556	11	Pass
NVNT	802.11ac40	5795	Ant 2	1.239	0	1.239	11			
NVNT	802.11ac80	5775	Ant 1	-3.592	0.05	-3.542	11	2.241	11	Pass
NVNT	802.11ac80	5775	Ant 2	0.859	0.05	0.909	11			

-6dB Bandwidth

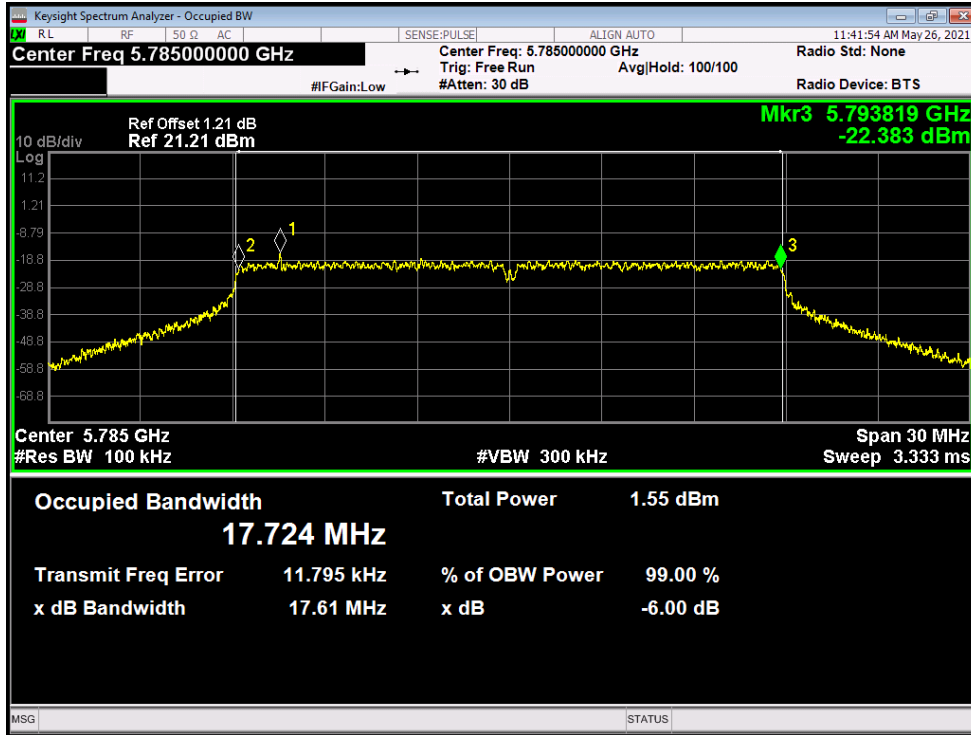
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVHT	ac20	5745	Ant1	17.801	0.5	Pass
NVHT	ac20	5785	Ant1	17.614	0.5	Pass
NVHT	ac20	5825	Ant1	17.793	0.5	Pass
NVNT	ac20	5745	Ant2	17.642	0.5	Pass
NVNT	ac20	5785	Ant2	17.622	0.5	Pass
NVNT	ac20	5825	Ant2	17.713	0.5	Pass

NVHT	ac40	5755	Ant1	36.412	0.5	Pass
NVHT	ac40	5795	Ant1	36.448	0.5	Pass
NVNT	ac40	5755	Ant2	36.351	0.5	Pass
NVNT	ac40	5795	Ant2	36.344	0.5	Pass
NVHT	ac80	5775	Ant1	75.059	0.5	Pass
NVNT	ac80	5775	Ant2	75.048	0.5	Pass

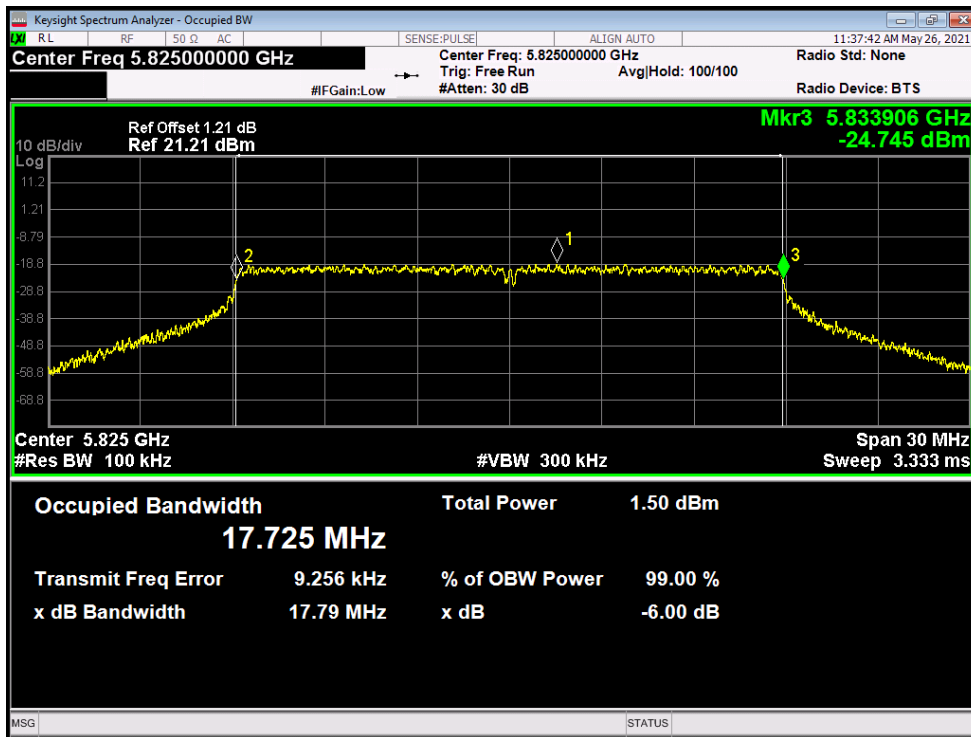
-6dB Bandwidth NVHT ac20 5745MHz Ant1



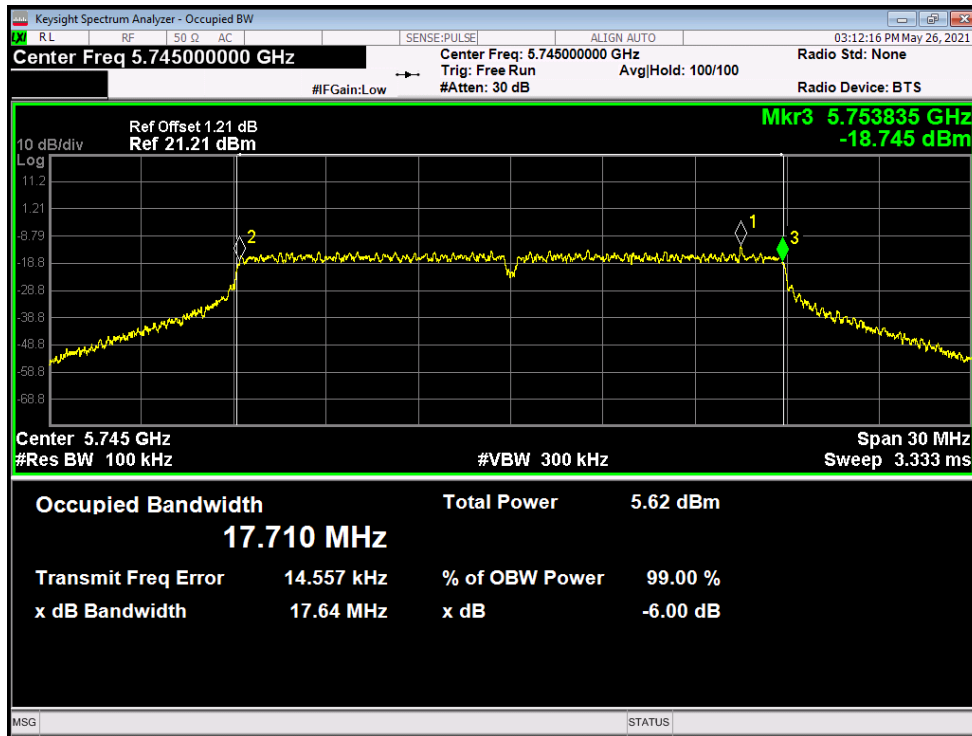
-6dB Bandwidth NVHT ac20 5785MHz Ant1



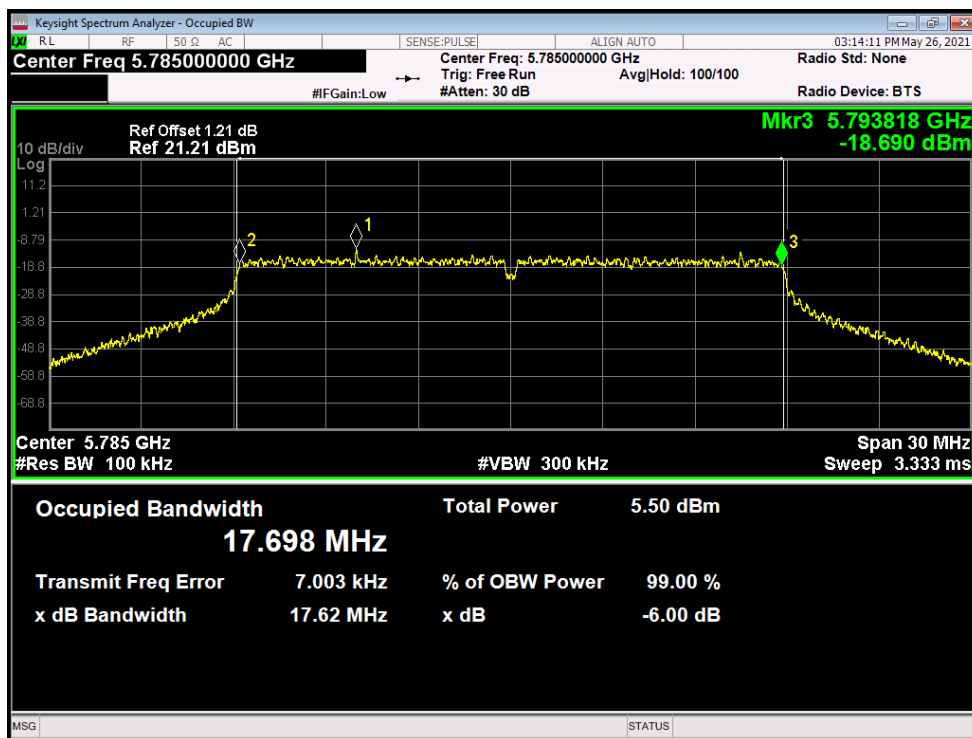
-6dB Bandwidth NVHT ac20 5825MHz Ant1



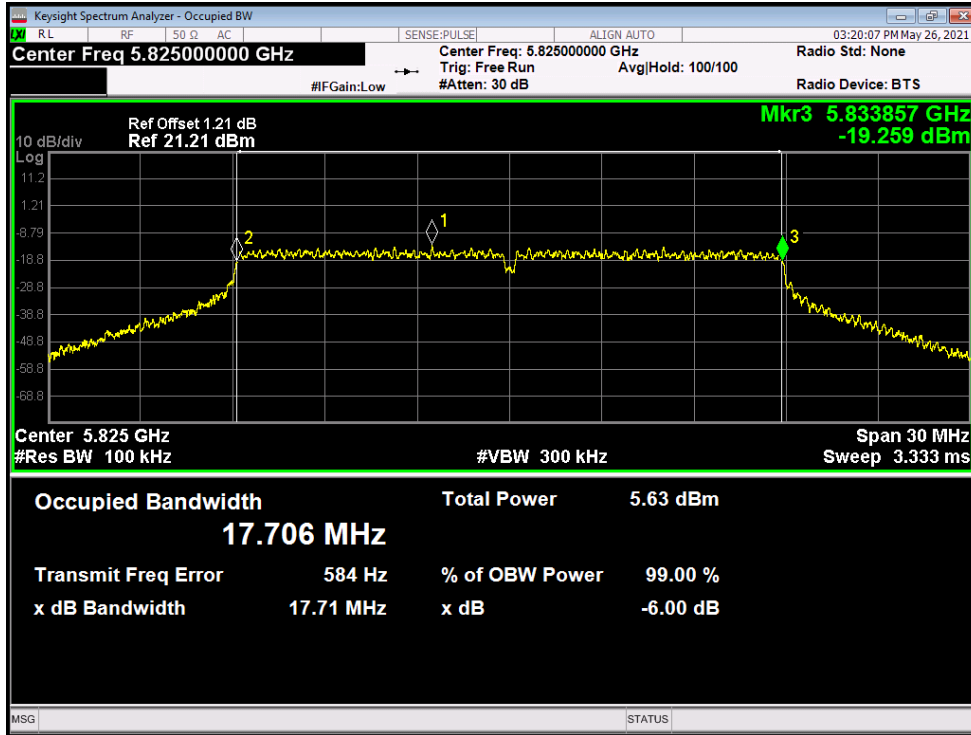
-6dB Bandwidth NVNT ac20 5745MHz Ant2



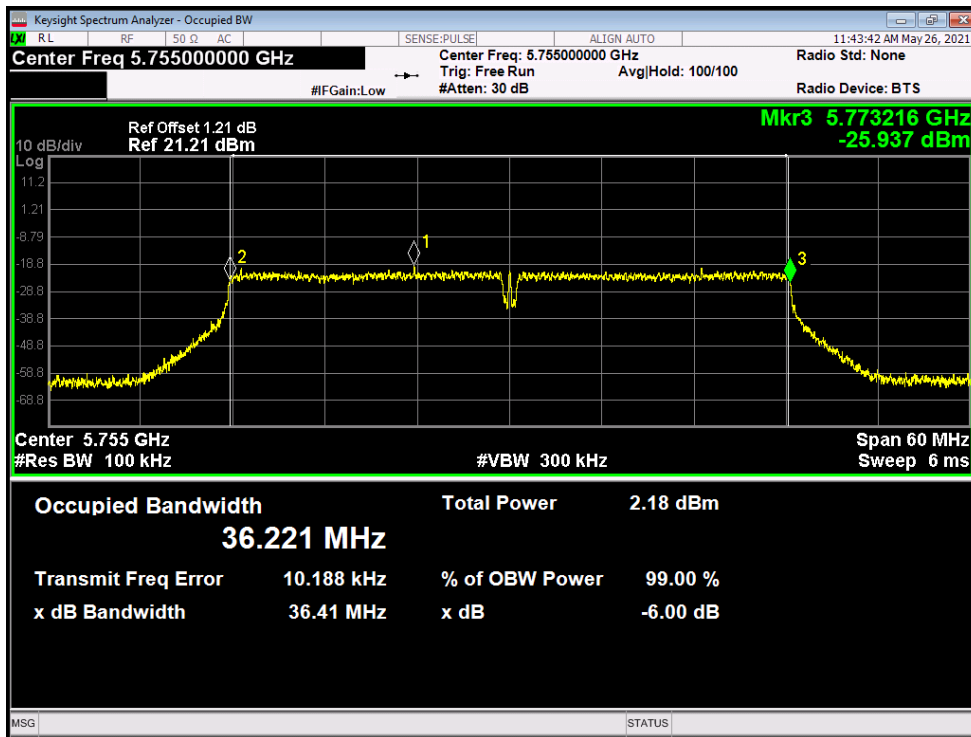
-6dB Bandwidth NVNT ac20 5785MHz Ant2



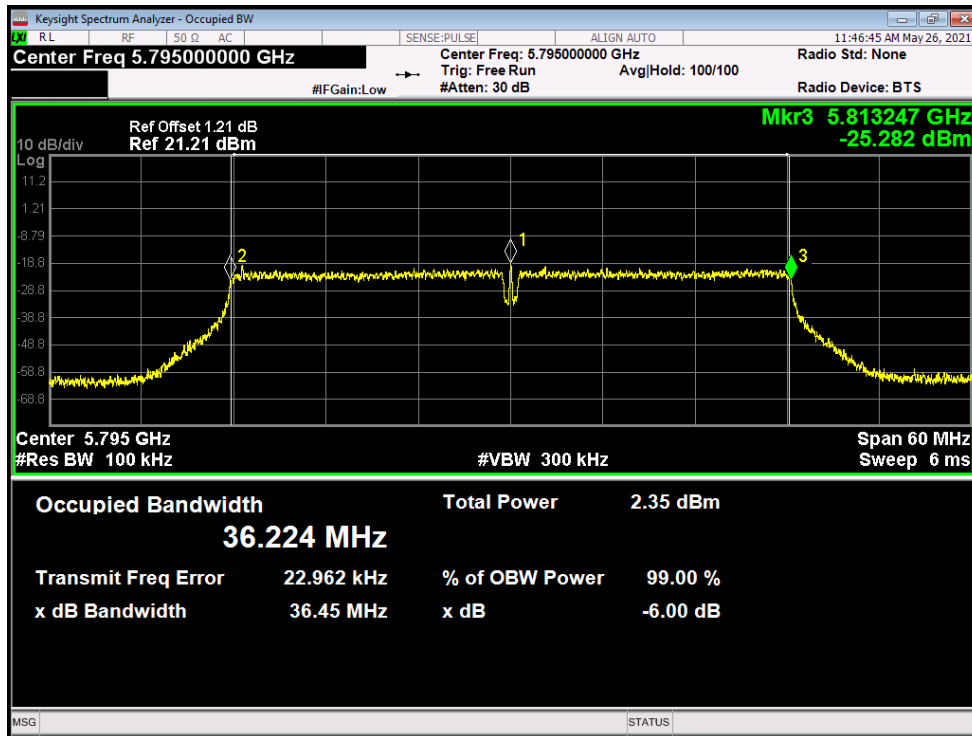
-6dB Bandwidth NVNT ac20 5825MHz Ant2



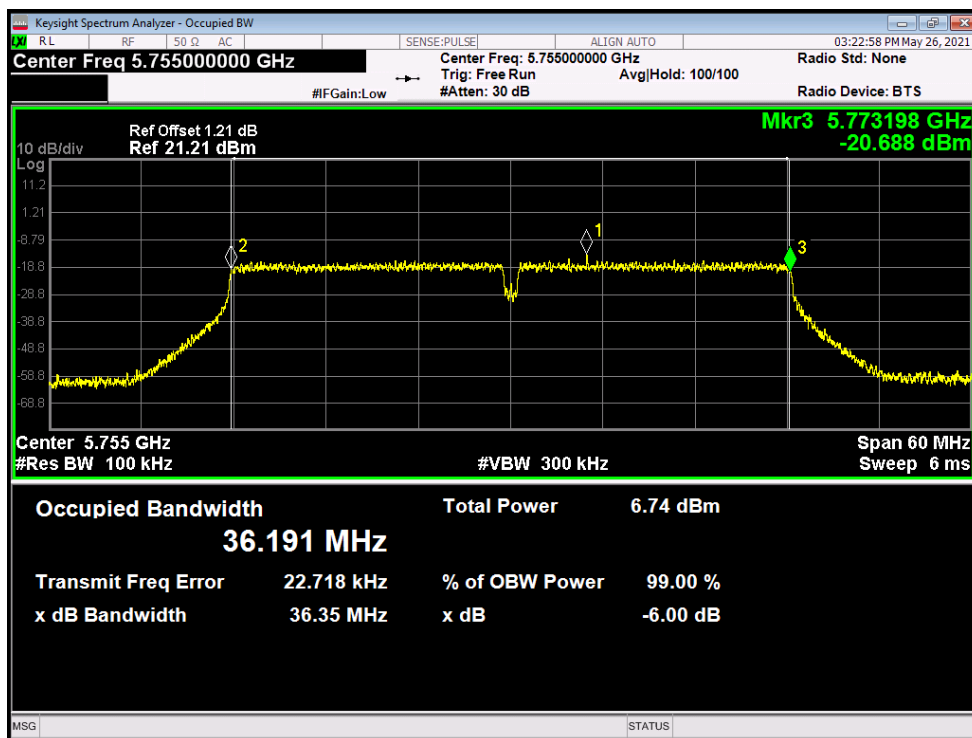
-6dB Bandwidth NVHT ac40 5755MHz Ant1



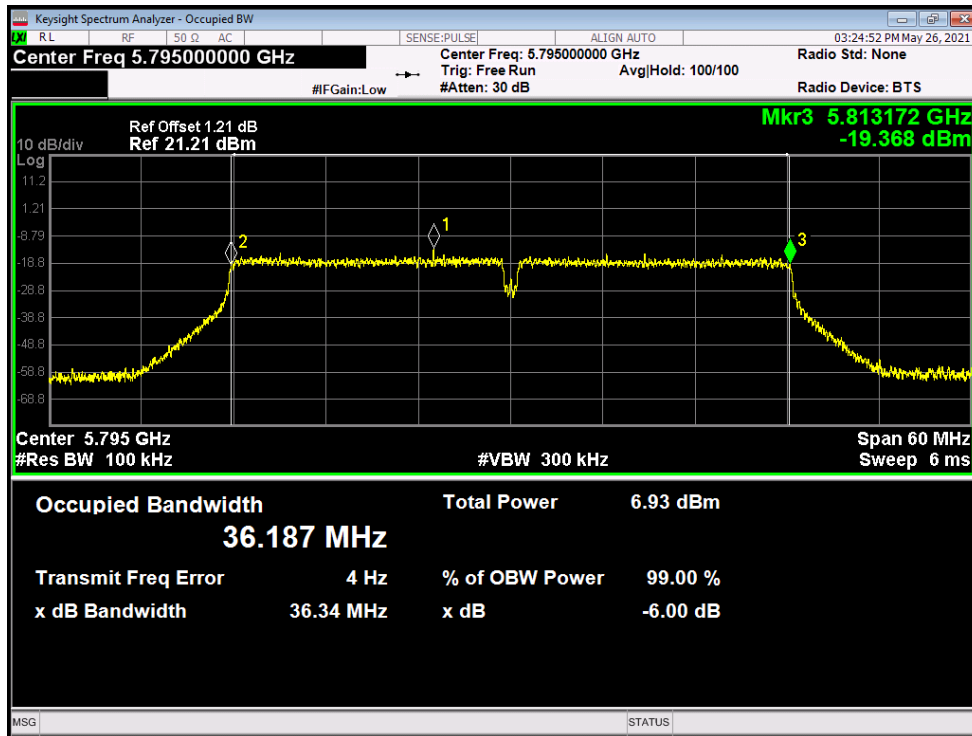
-6dB Bandwidth NVHT ac40 5795MHz Ant1



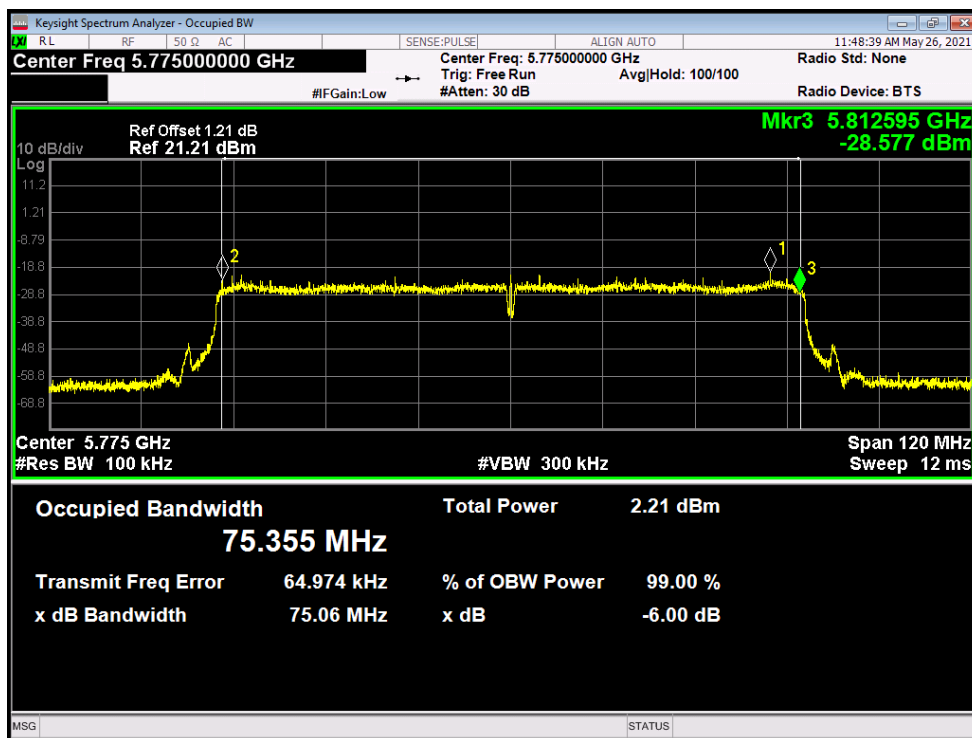
-6dB Bandwidth NVNT ac40 5755MHz Ant2



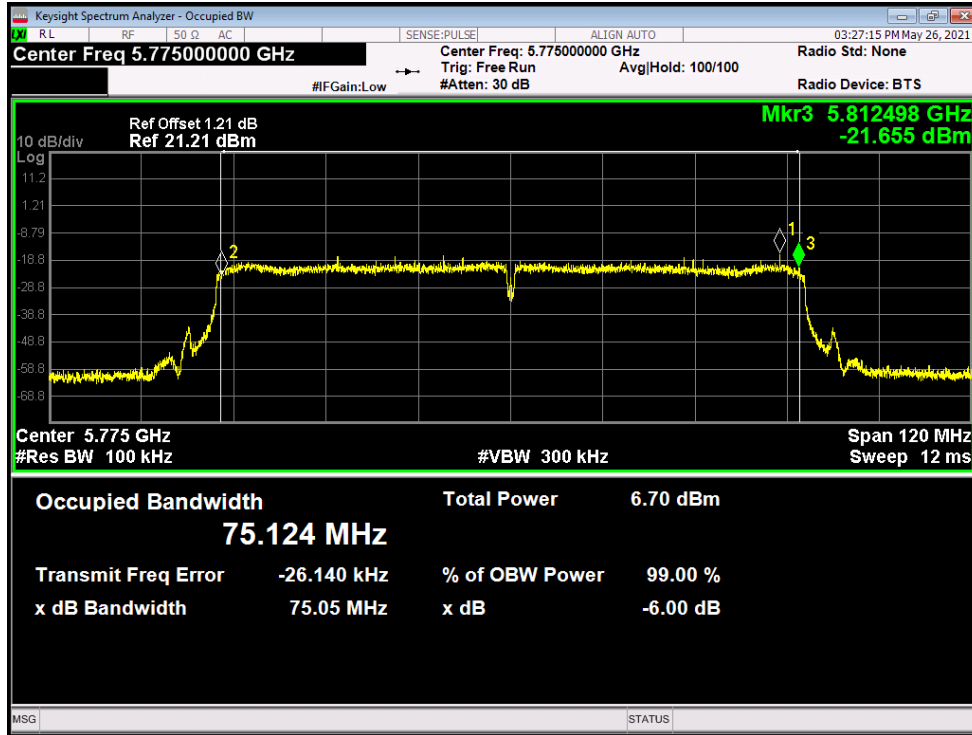
-6dB Bandwidth NVNT ac40 5795MHz Ant2



-6dB Bandwidth NVHT ac80 5775MHz Ant1



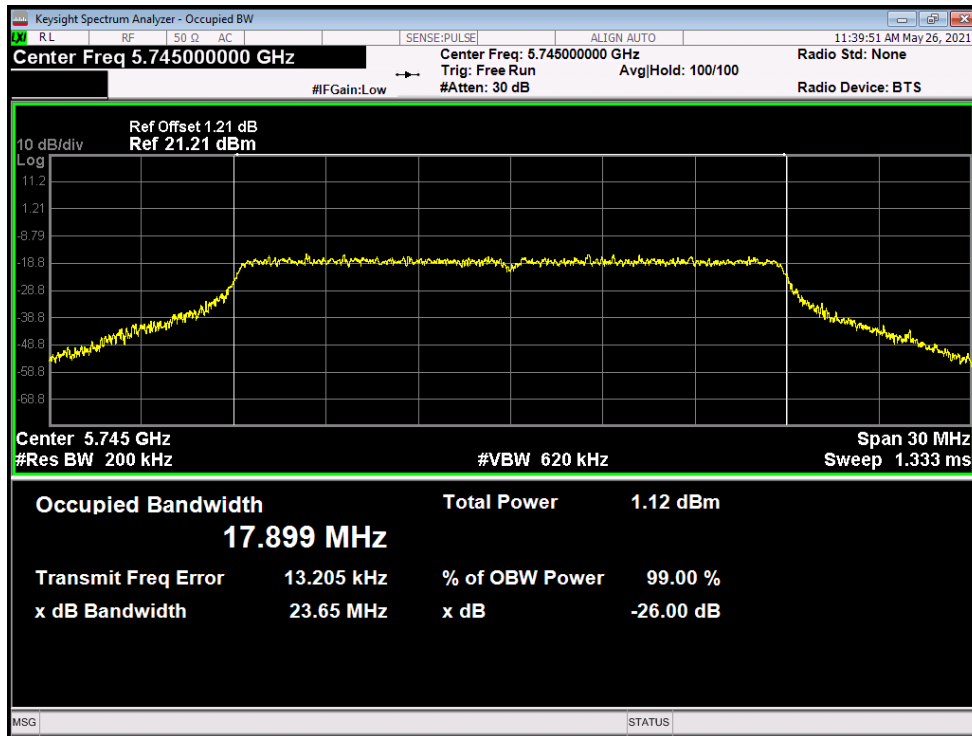
-6dB Bandwidth NVNT ac80 5775MHz Ant2



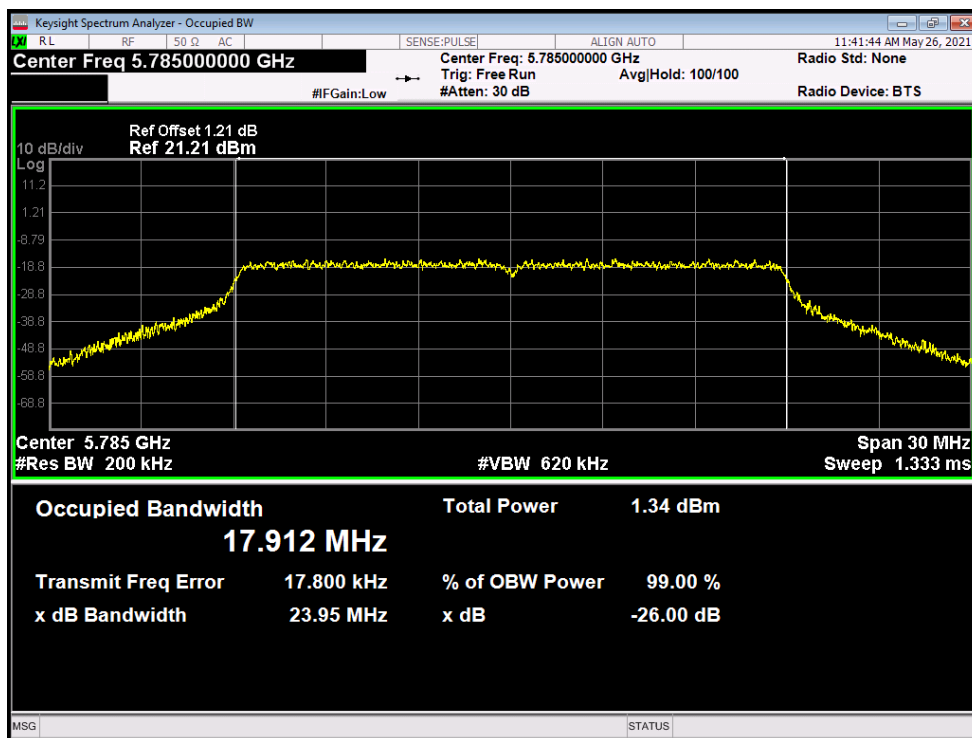
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVHT	ac20	5745	Ant1	17.899
NVHT	ac20	5785	Ant1	17.912
NVHT	ac20	5825	Ant1	17.884
NVNT	ac20	5745	Ant2	17.83
NVNT	ac20	5785	Ant2	17.834
NVNT	ac20	5825	Ant2	17.834
NVHT	ac40	5755	Ant1	36.392
NVHT	ac40	5795	Ant1	36.4
NVNT	ac40	5755	Ant2	36.296
NVNT	ac40	5795	Ant2	36.333
NVHT	ac80	5775	Ant1	75.367
NVNT	ac80	5775	Ant2	75.206

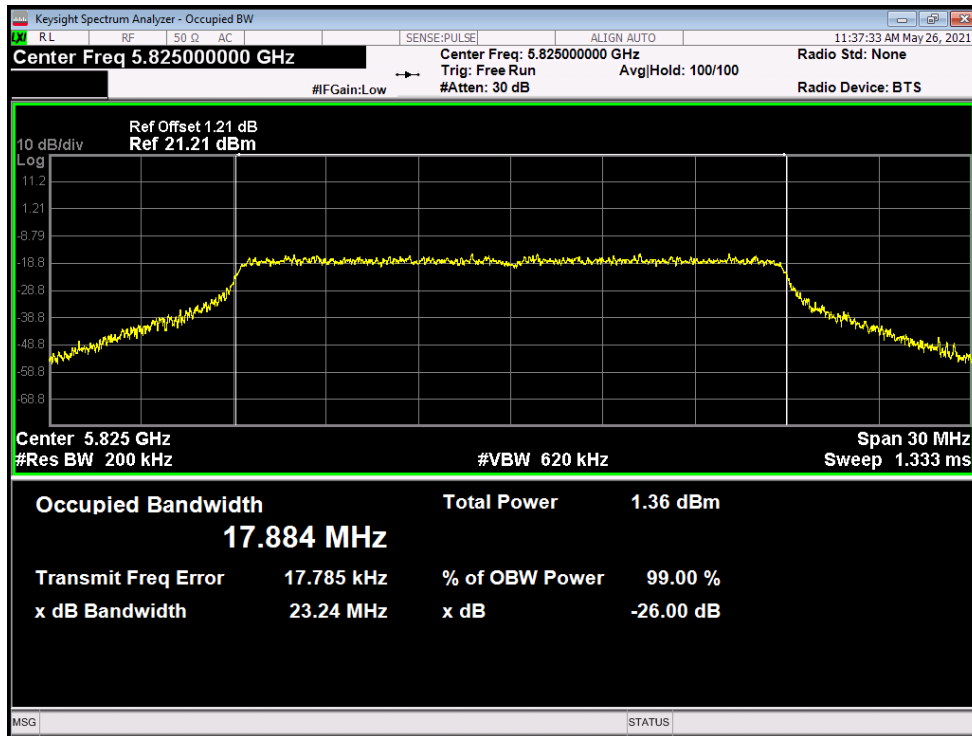
OBW NVHT ac20 5745MHz Ant1



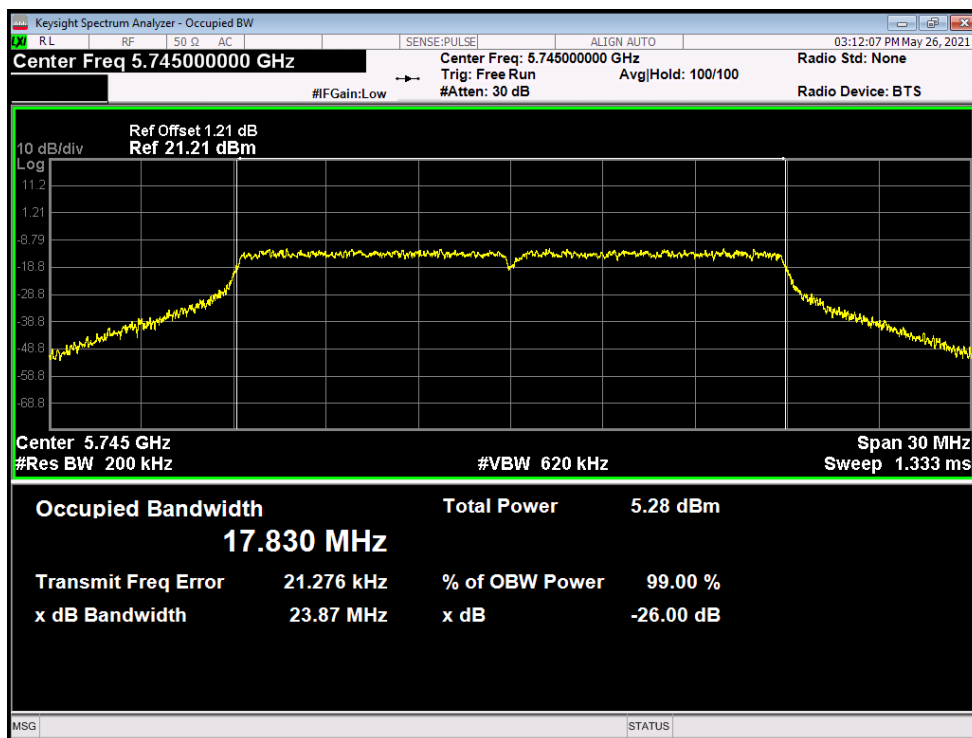
OBW NVHT ac20 5785MHz Ant1



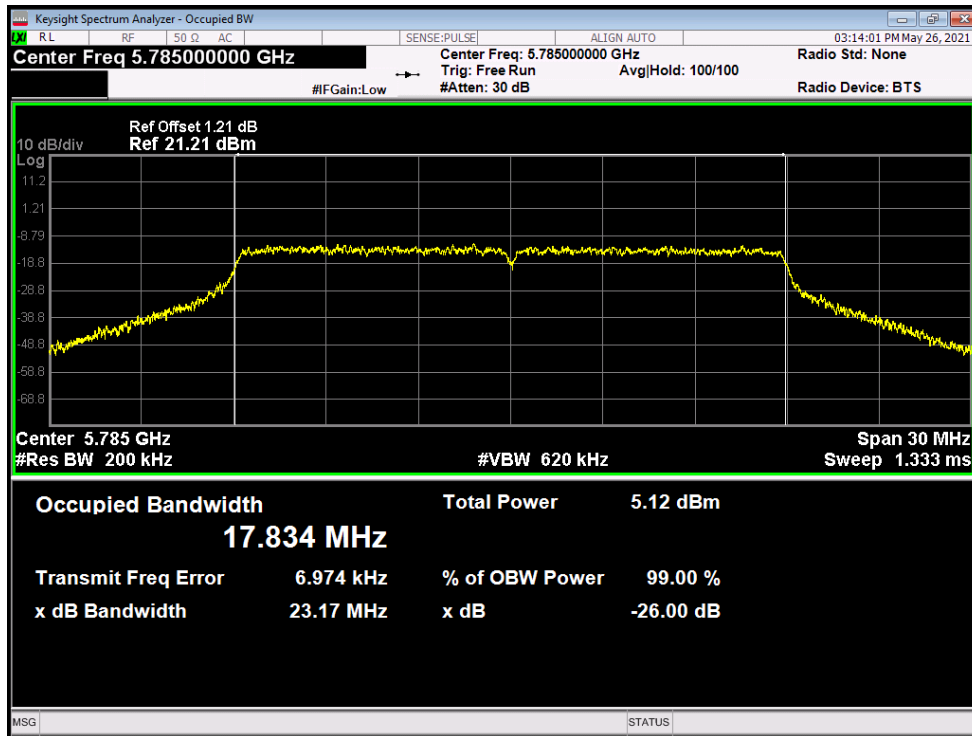
OBW NVHT ac20 5825MHz Ant1



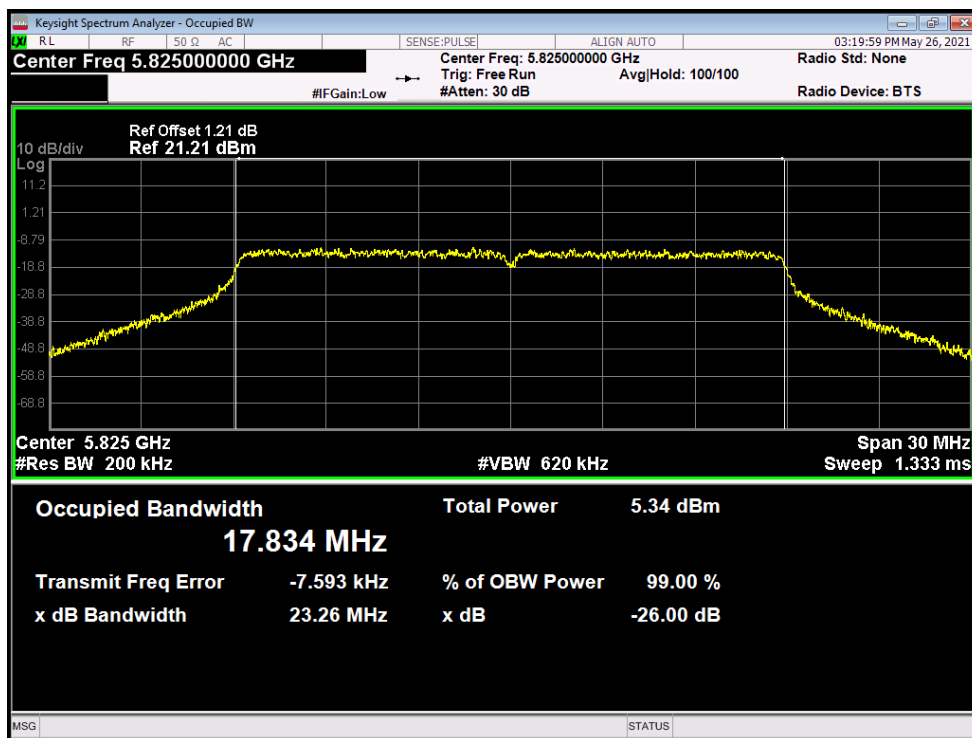
OBW NVNT ac20 5745MHz Ant2



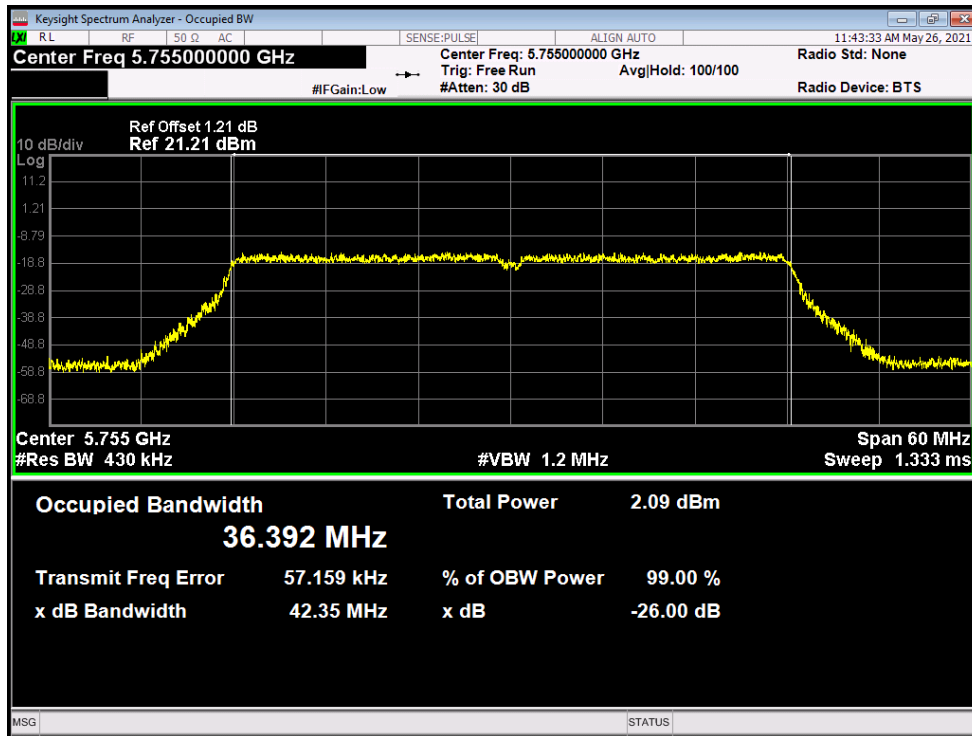
OBW NVNT ac20 5785MHz Ant2



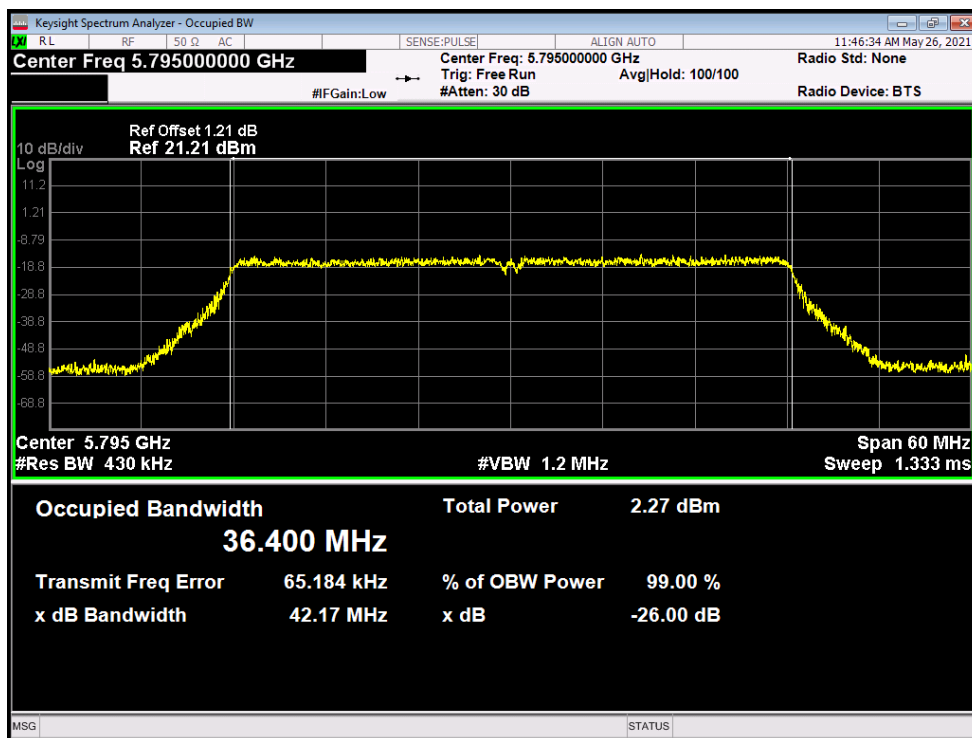
OBW NVNT ac20 5825MHz Ant2



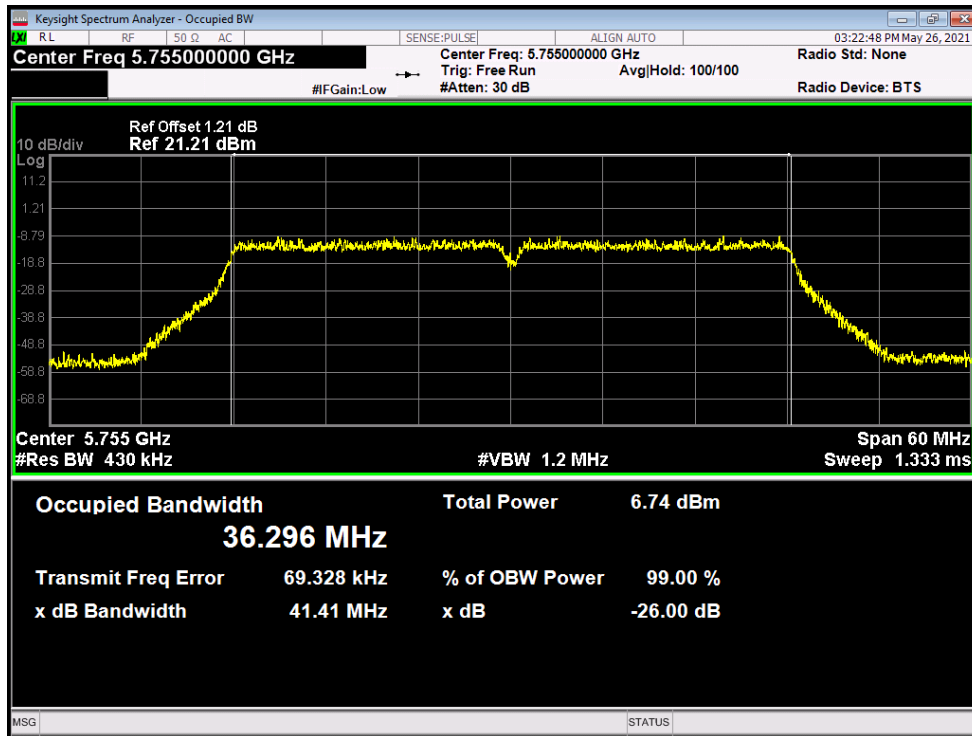
OBW NVHT ac40 5755MHz Ant1



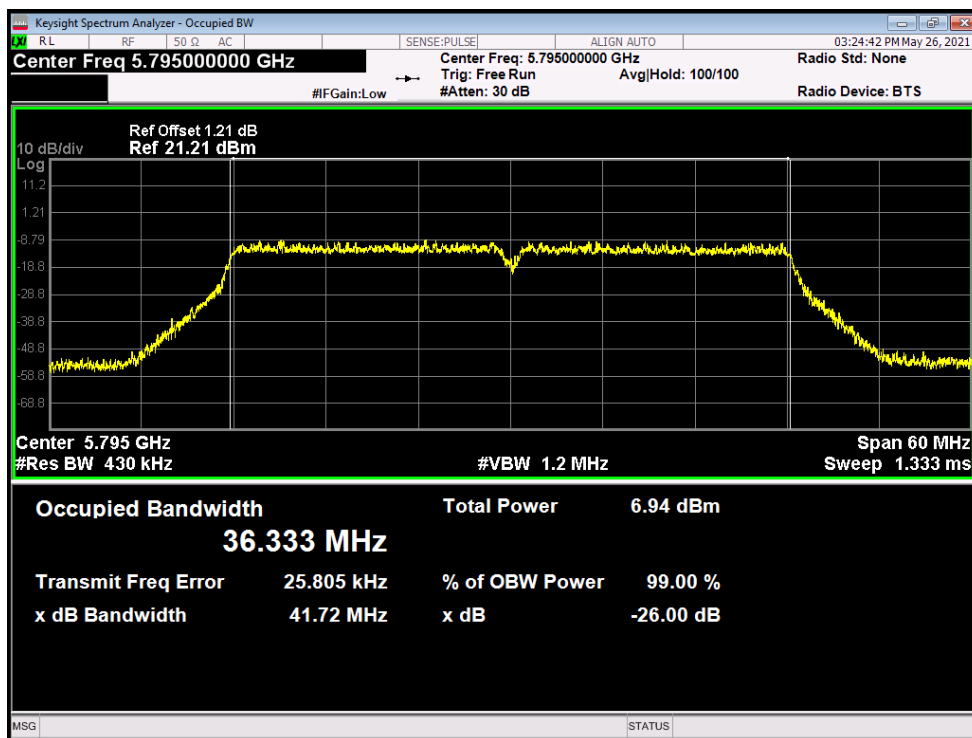
OBW NVHT ac40 5795MHz Ant1



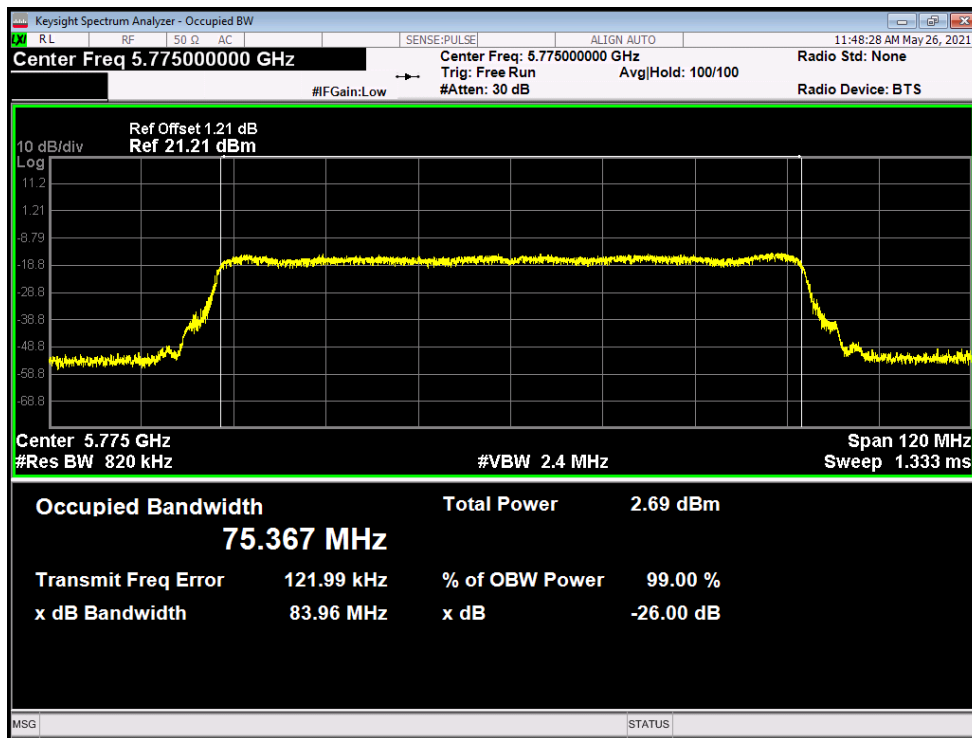
OBW NVNT ac40 5755MHz Ant2



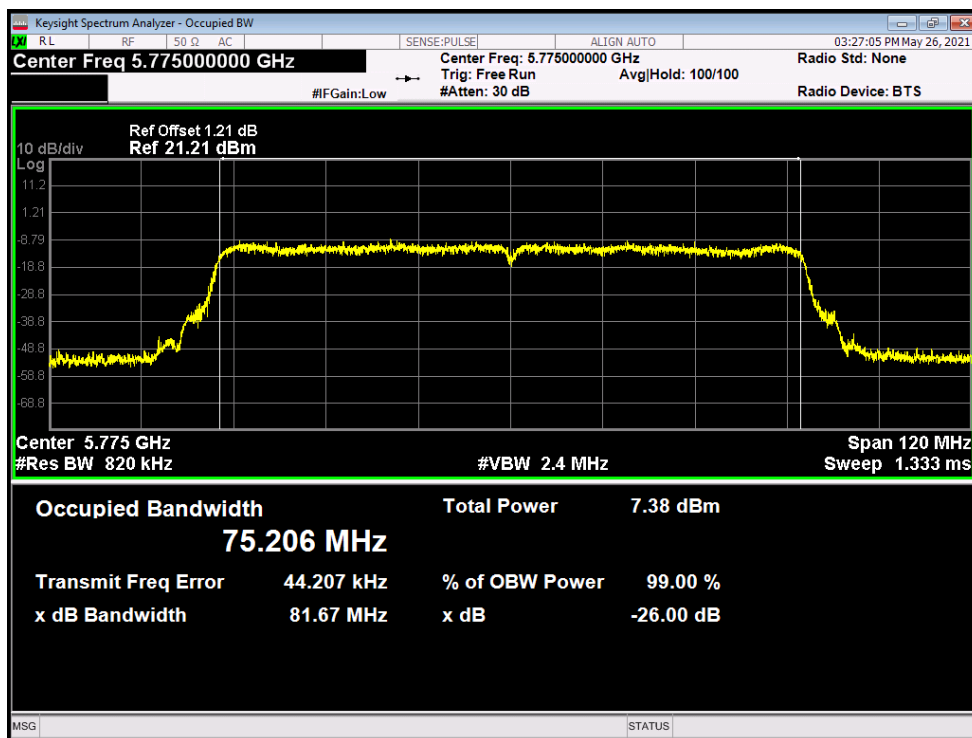
OBW NVNT ac40 5795MHz Ant2



OBW NVHT ac80 5775MHz Ant1



OBW NVNT ac80 5775MHz Ant2

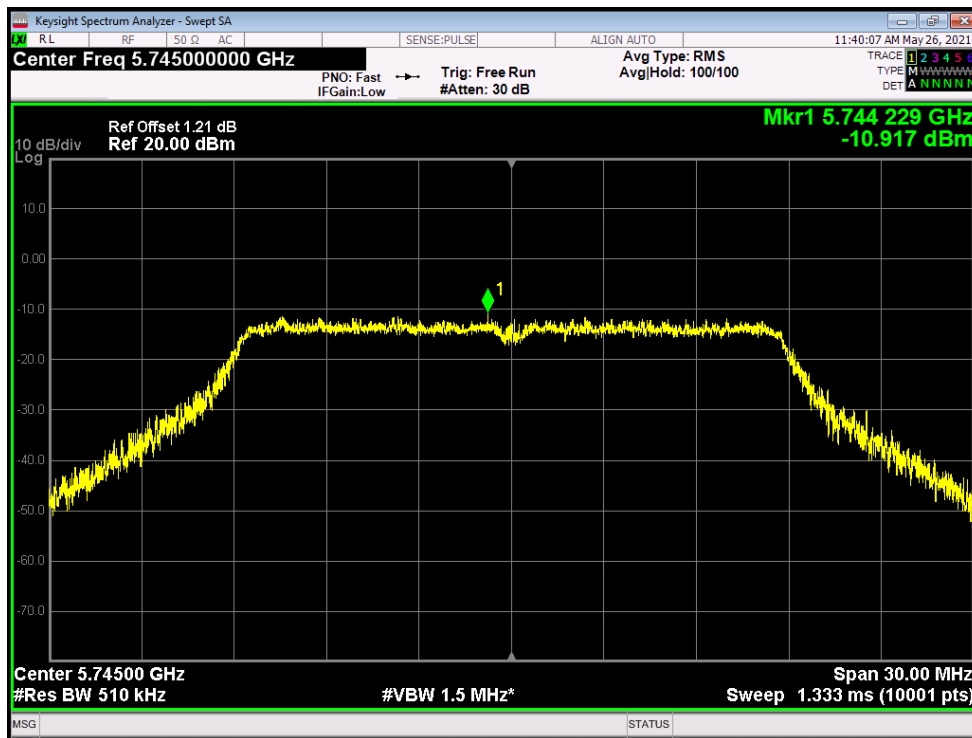


Maximum Power Spectral Density Level

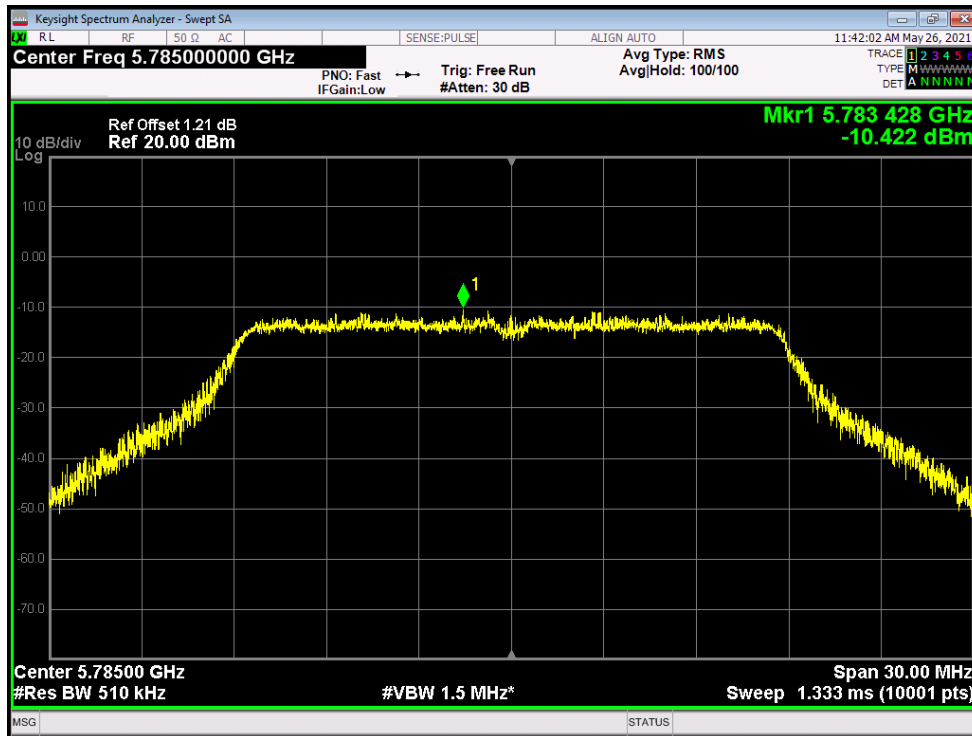
Condition	Mode	Frequency (MHz)	Antenna	SISO Max PSD (dBm)	SISO Limit (dBm)	MIMO Max PSD (dBm)	MIMO Limit (dBm)	Verdict
NVNT	802.11ac20	5745	Ant1	-10.917	7.99	-4.578	7.99	Pass
NVNT	802.11ac20	5745	Ant2	-5.726	7.99			
NVNT	802.11ac20	5785	Ant1	-10.422	7.99	-4.435	7.99	Pass
NVNT	802.11ac20	5785	Ant2	-5.695	7.99			

NVNT	802.11ac20	5825	Ant1	-11.025	7.99	-4.815	7.99	Pass
NVNT	802.11ac20	5825	Ant2	-6.003	7.99			
NVNT	802.11ac40	5755	Ant1	-13.608	7.99	-6.671	7.99	Pass
NVNT	802.11ac40	5755	Ant2	-7.654	7.99			
NVNT	802.11ac40	5795	Ant1	-13.416	7.99	-6.624	7.99	Pass
NVNT	802.11ac40	5795	Ant2	-7.644	7.99			
NVNT	802.11ac80	5775	Ant1	-22.646	7.99	-17.453	7.99	Pass
NVNT	802.11ac80	5775	Ant2	-19.018	7.99			

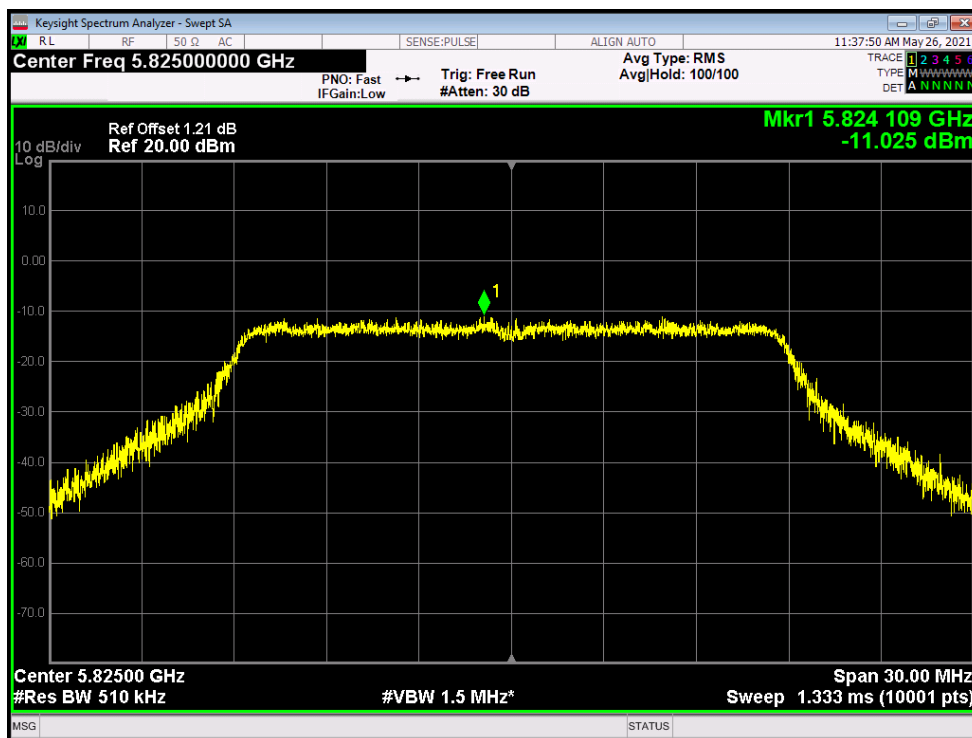
PSD NVHT ac20 5745MHz Ant1



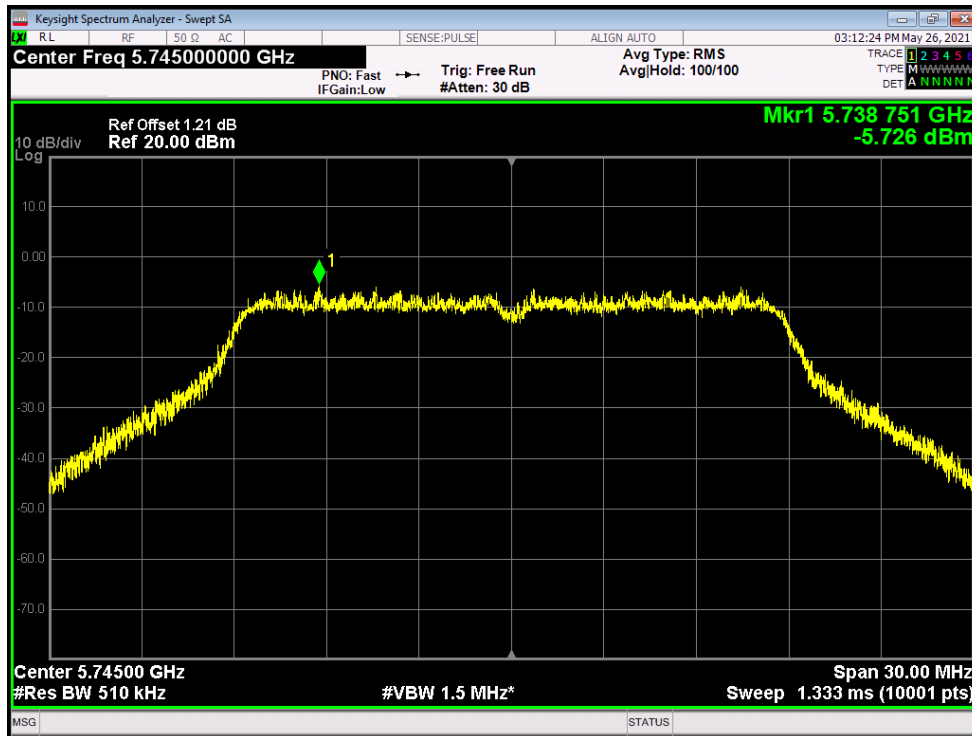
PSD NVHT ac20 5785MHz Ant1



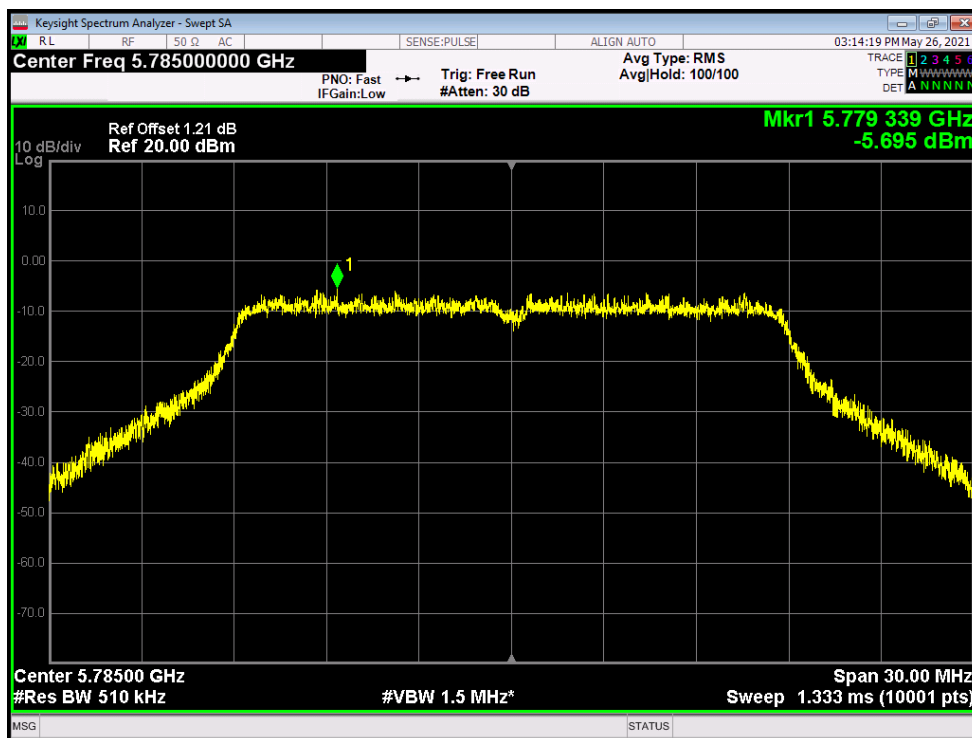
PSD NVHT ac20 5825MHz Ant1



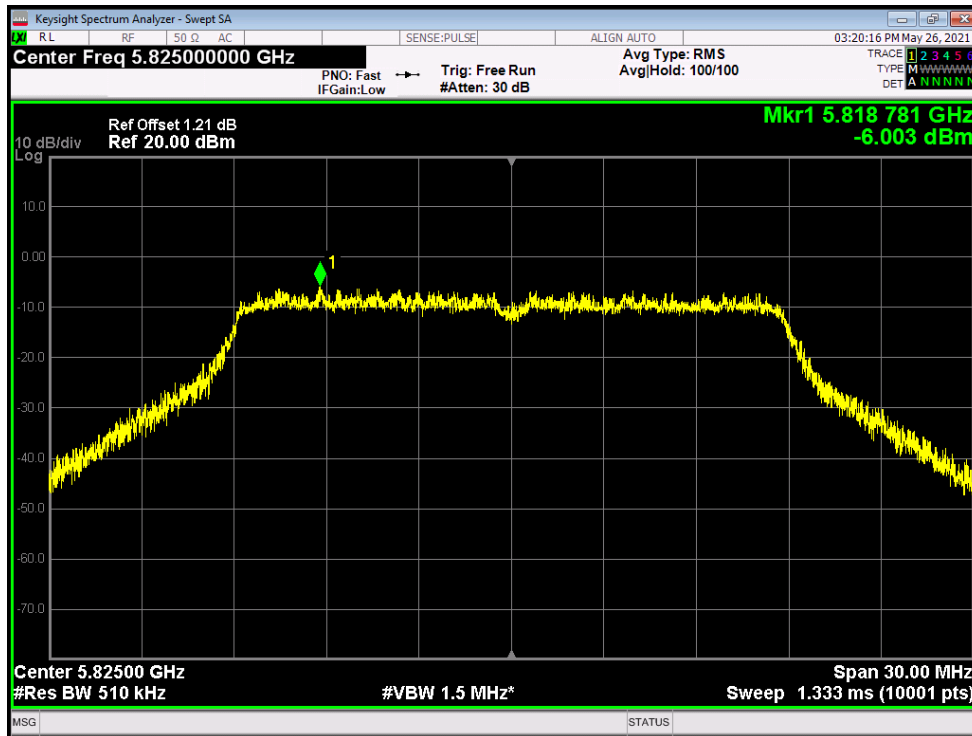
PSD NVNT ac20 5745MHz Ant2



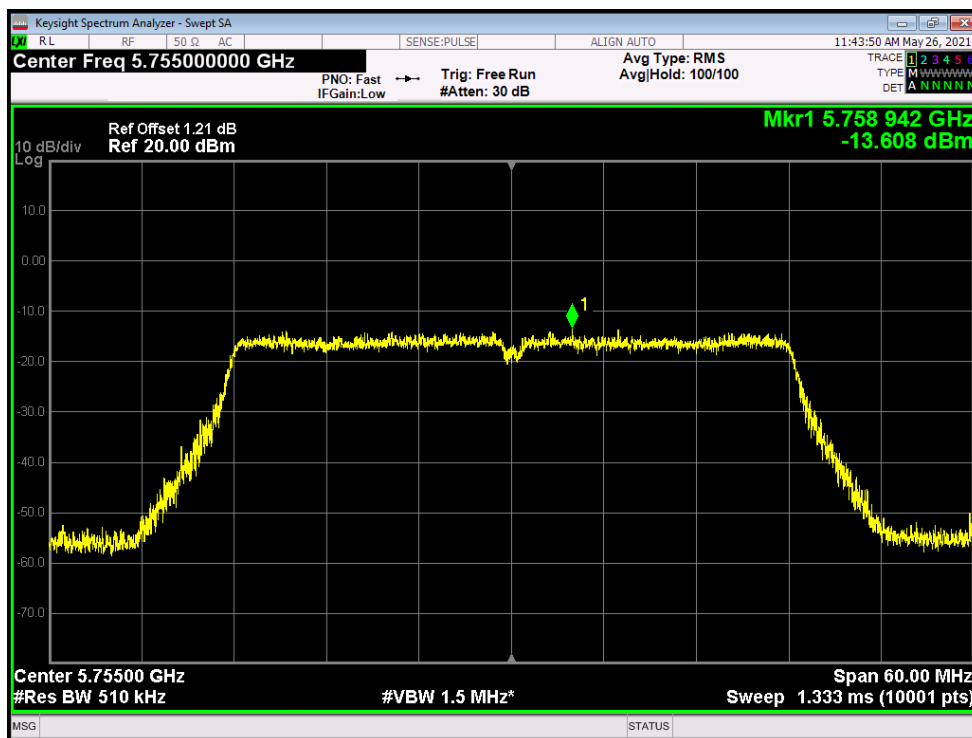
PSD NVNT ac20 5785MHz Ant2



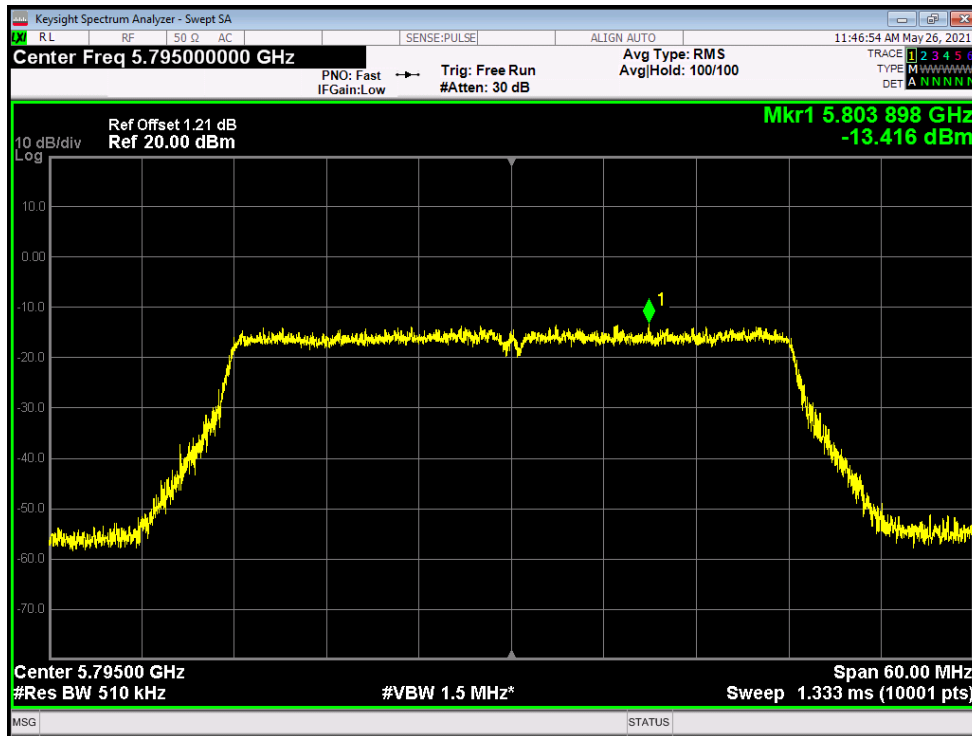
PSD NVNT ac20 5825MHz Ant2



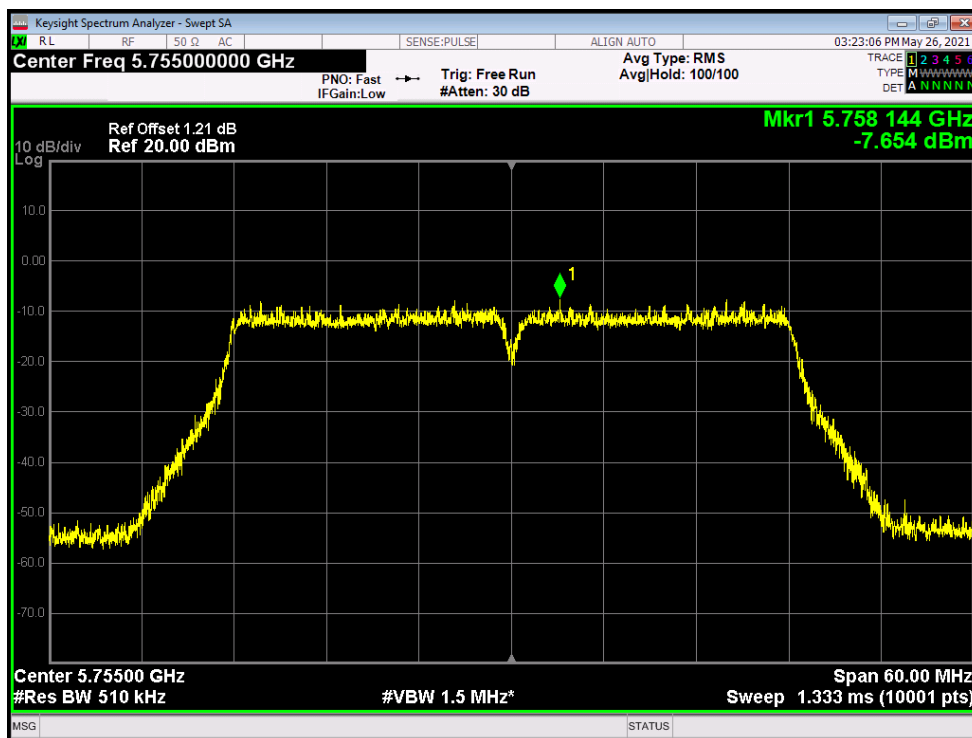
PSD NVHT ac40 5755MHz Ant1



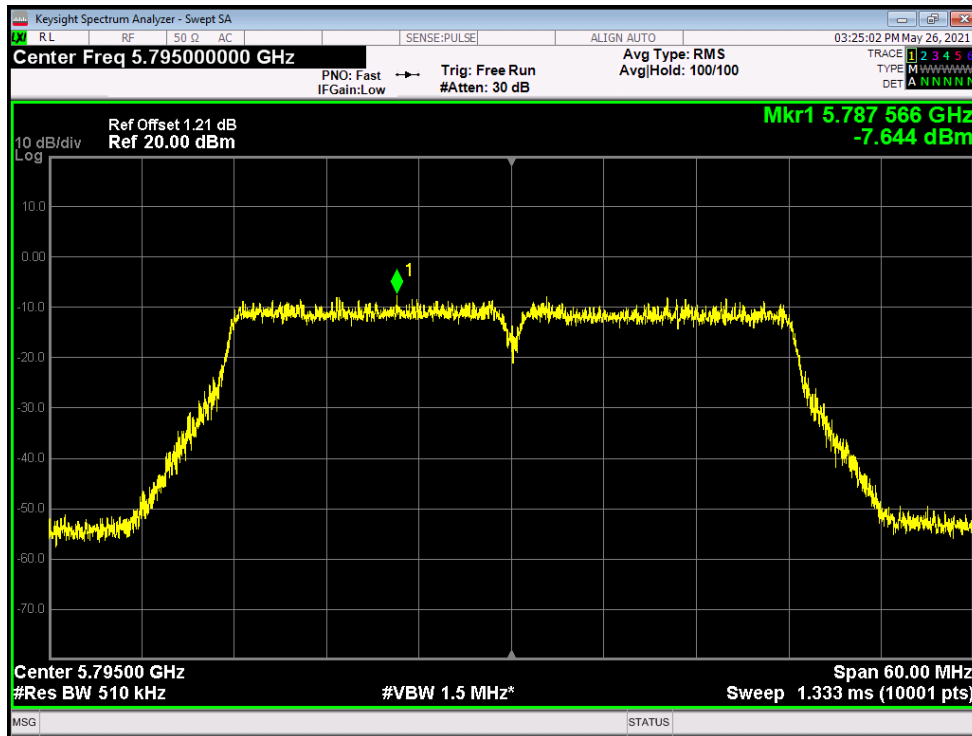
PSD NVHT ac40 5795MHz Ant1



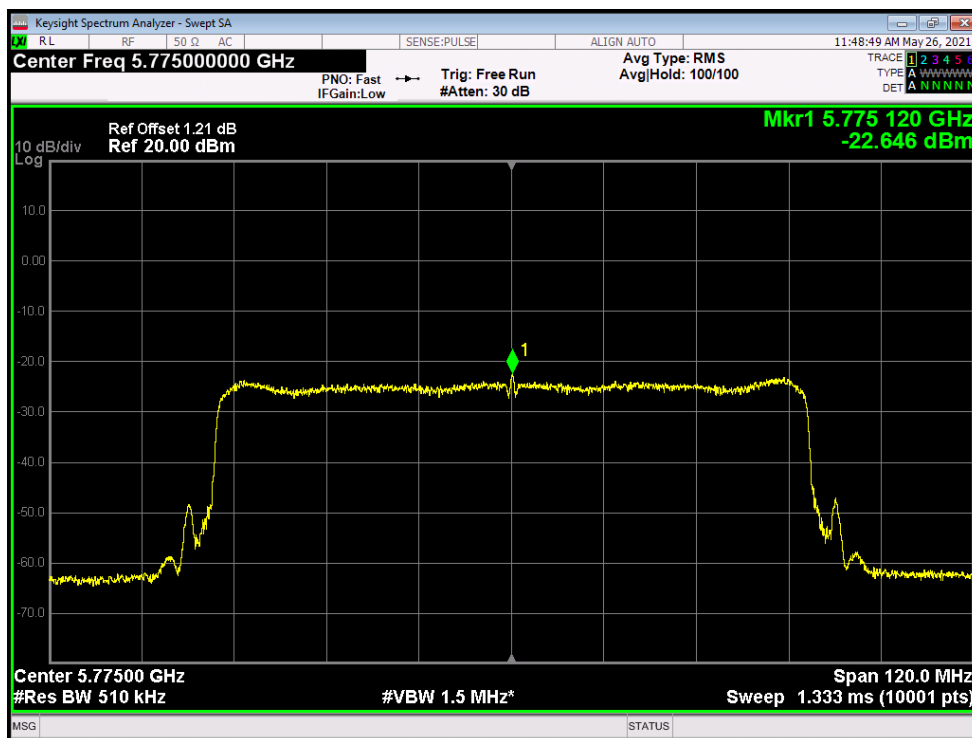
PSD NVNT ac40 5755MHz Ant2



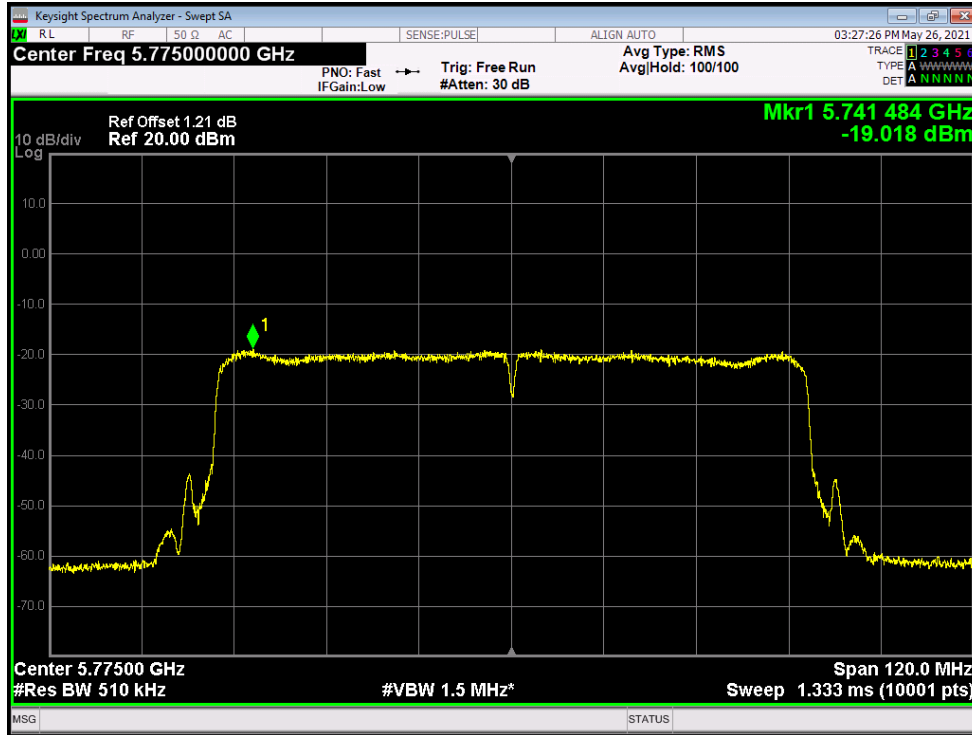
PSD NVNT ac40 5795MHz Ant2



PSD NVHT ac80 5775MHz Ant1



PSD NVNT ac80 5775MHz Ant2

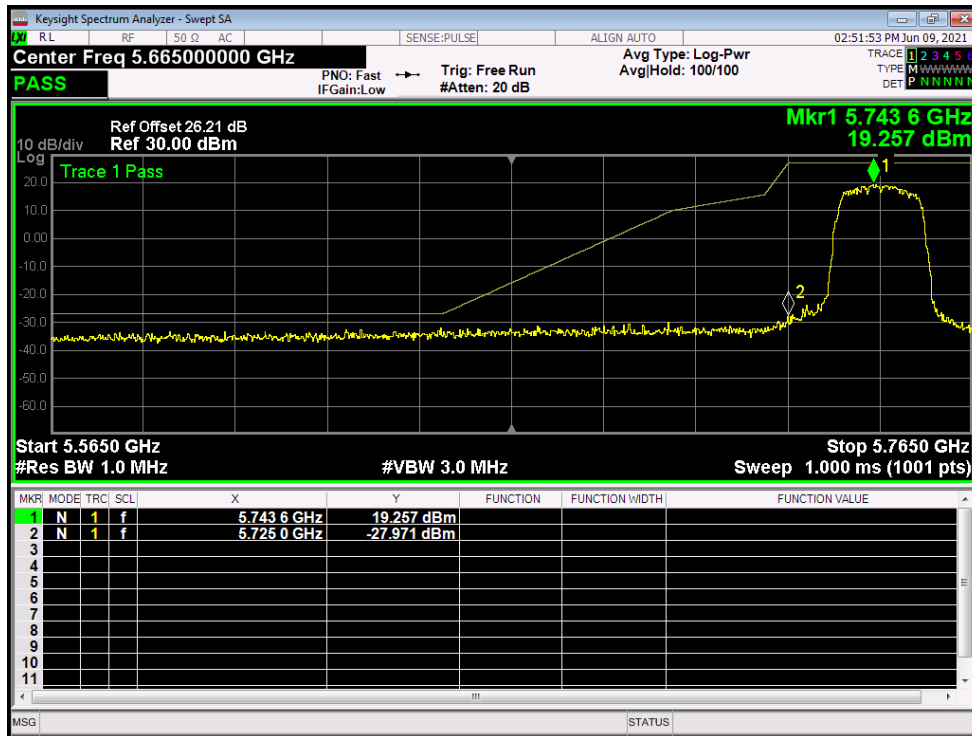


Band Edge

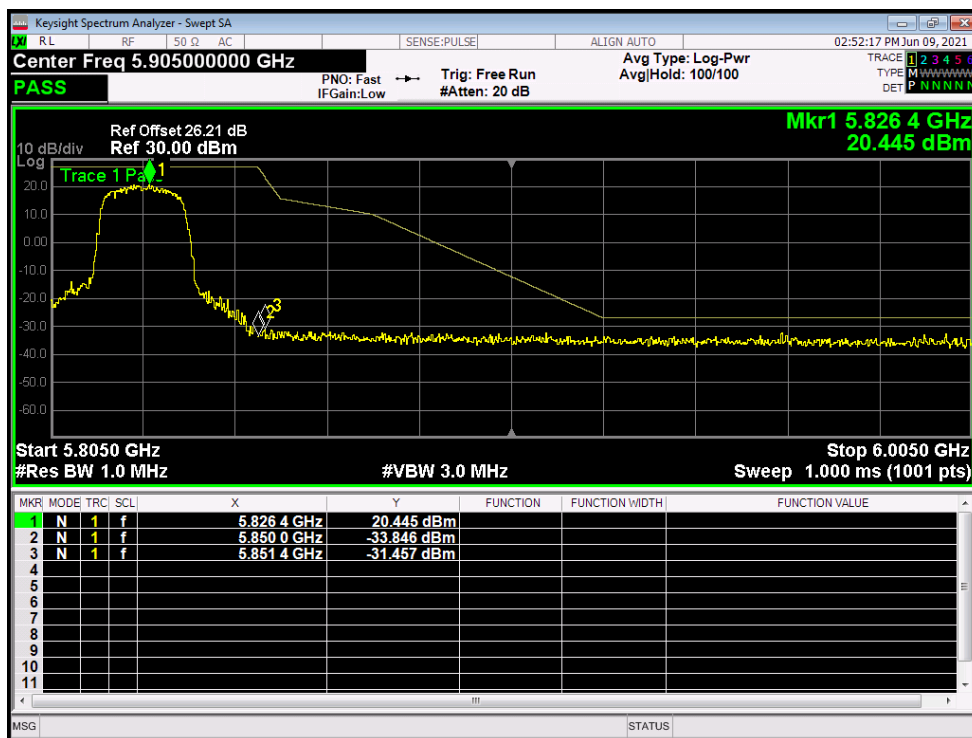
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	ac20	5745	Ant1	-27.97	Pass
NVNT	ac20	5825	Ant1	-31.45	Pass
NVNT	ac20	5745	Ant2	-28.89	Pass
NVNT	ac20	5825	Ant2	-31.62	Pass
NVNT	ac40	5755	Ant1	-26.9	Pass
NVNT	ac40	5795	Ant1	-31.9	Pass
NVNT	ac40	5755	Ant2	-25.91	Pass
NVNT	ac40	5795	Ant2	-31.93	Pass
NVNT	ac80	5775	Ant1	-23.68	Pass
NVNT	ac80	5775	Ant2	-23.71	Pass

Note: The SISO margin is greater than 3db, the MIMO mode is meets the requirements. The offset contain the antenna gain.

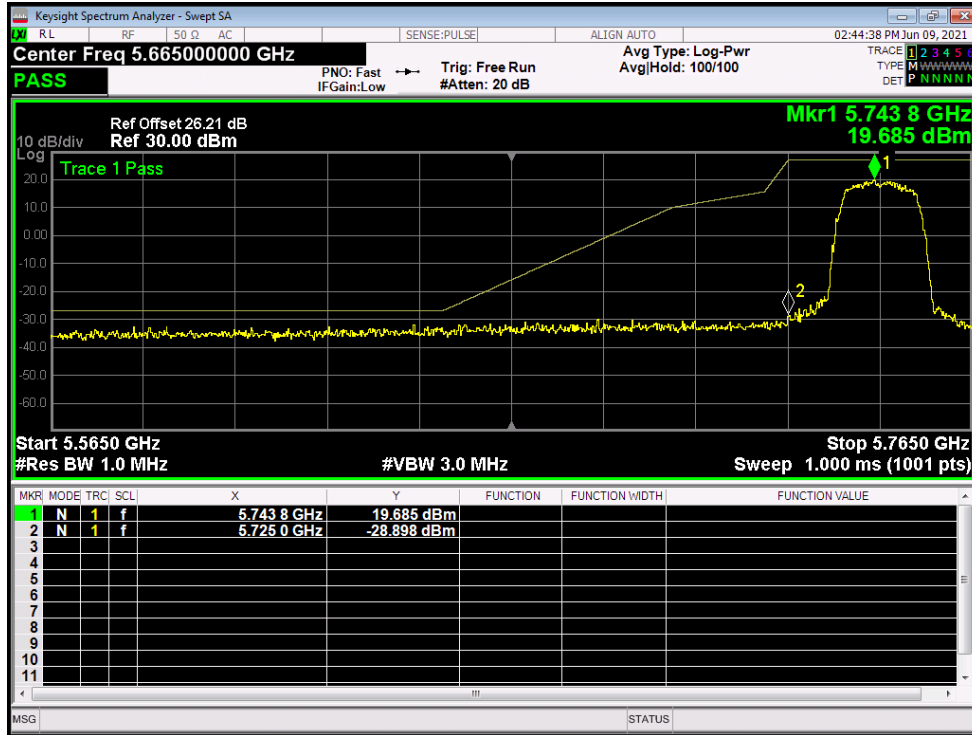
Band Edge NVNT ac20 5745MHz Low Ant1



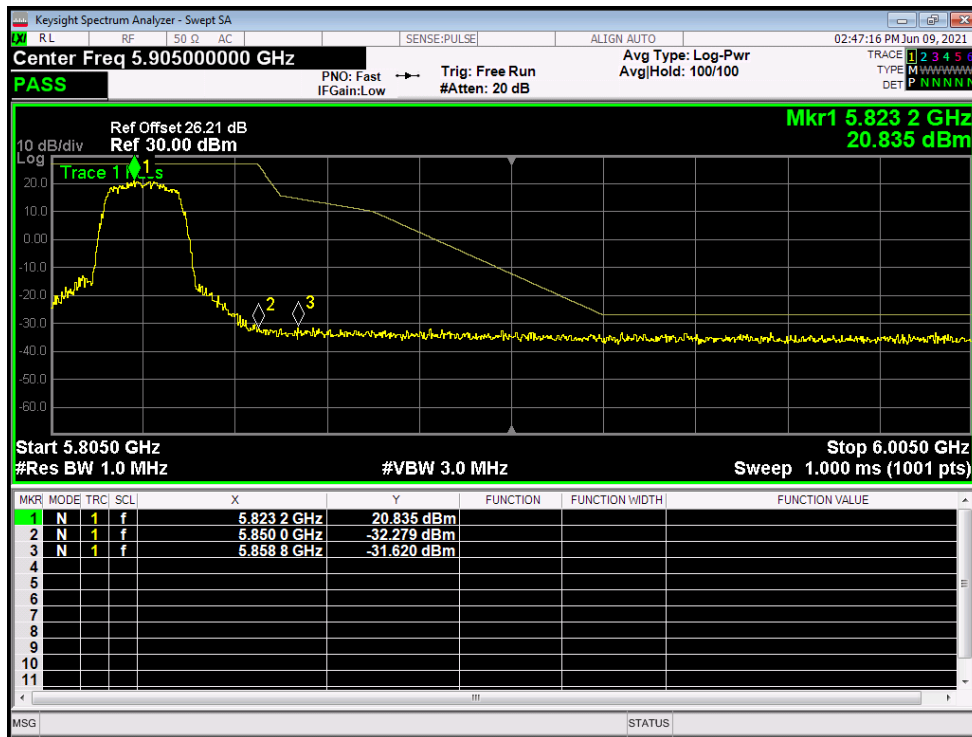
Band Edge NVNT ac20 5825MHz High Ant1



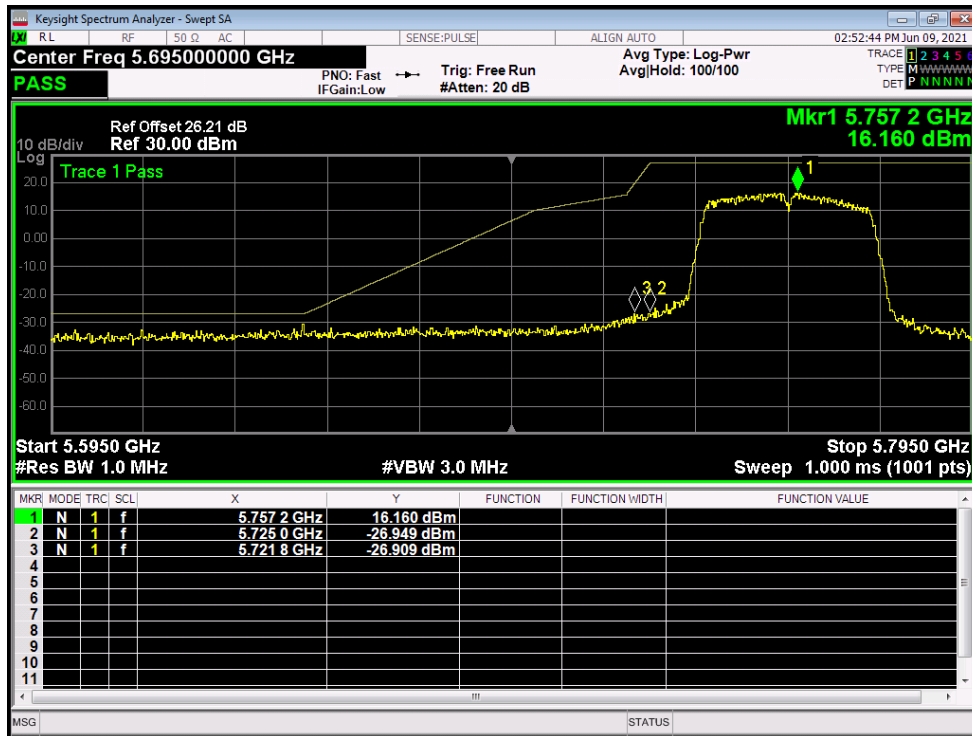
Band Edge NVNT ac20 5745MHz Low Ant2



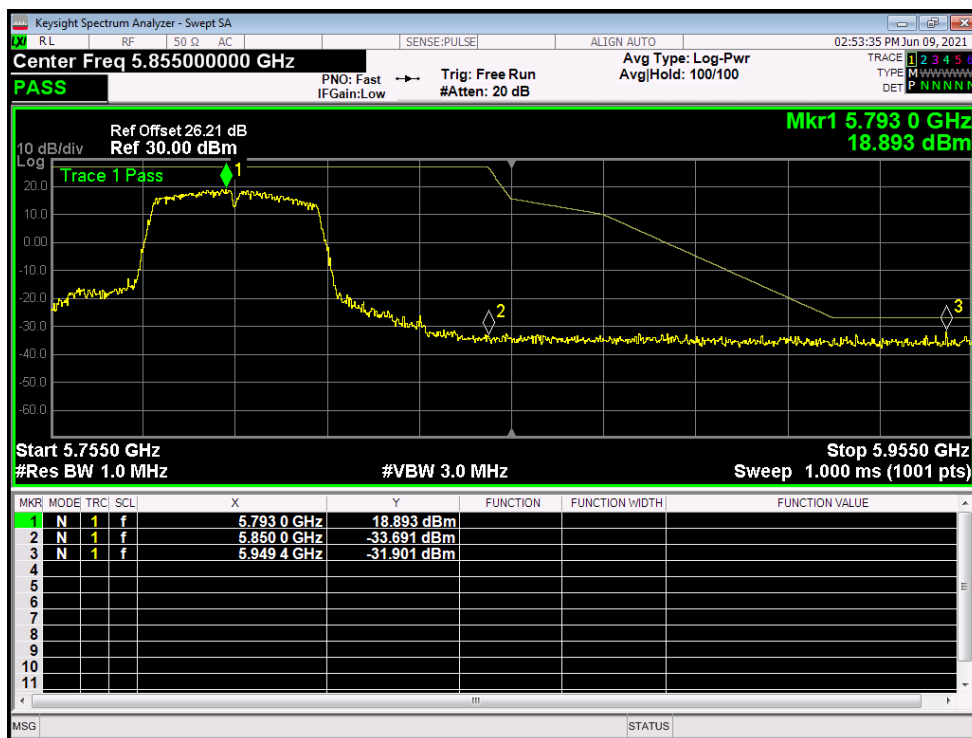
Band Edge NVNT ac20 5825MHz High Ant2



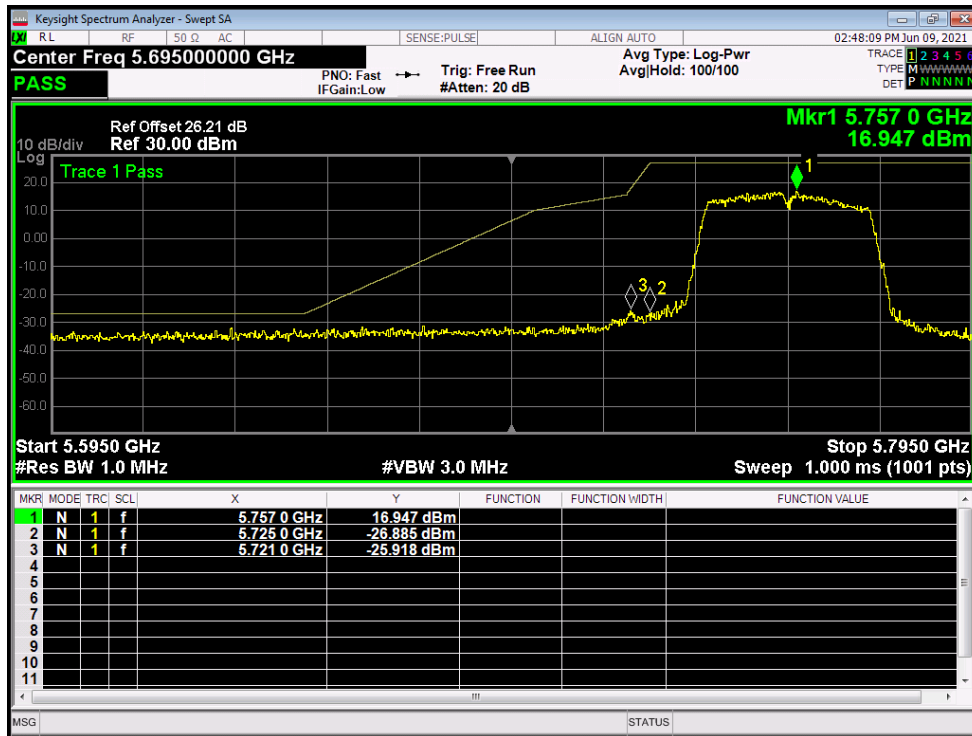
Band Edge NVNT ac40 5755MHz Low Ant1



Band Edge NVNT ac40 5795MHz High Ant1



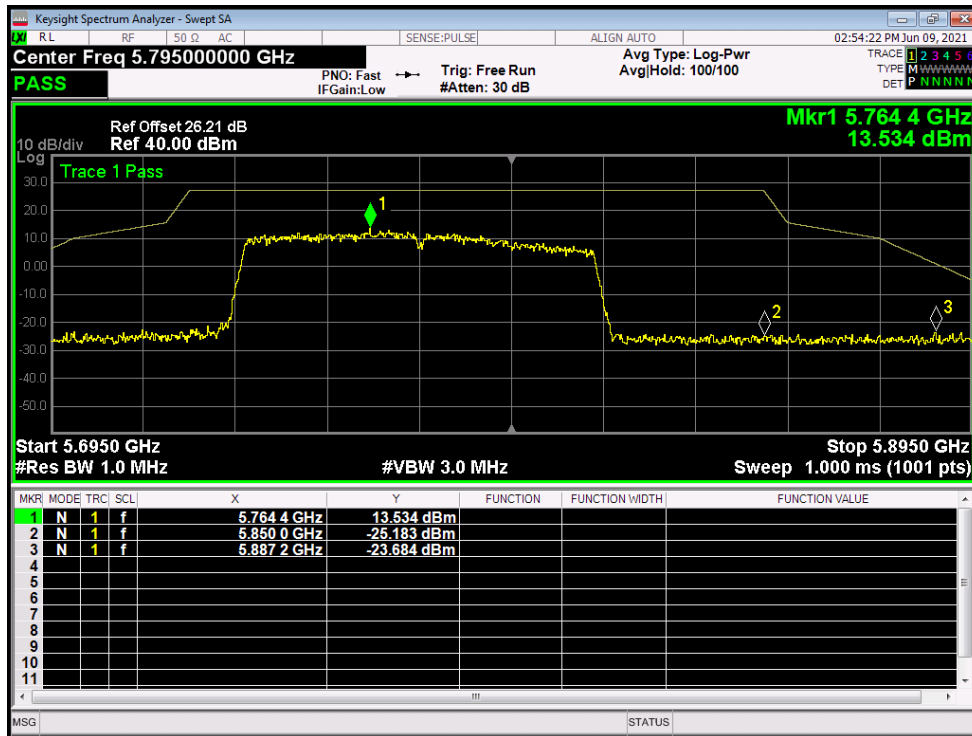
Band Edge NVNT ac40 5755MHz Low Ant2



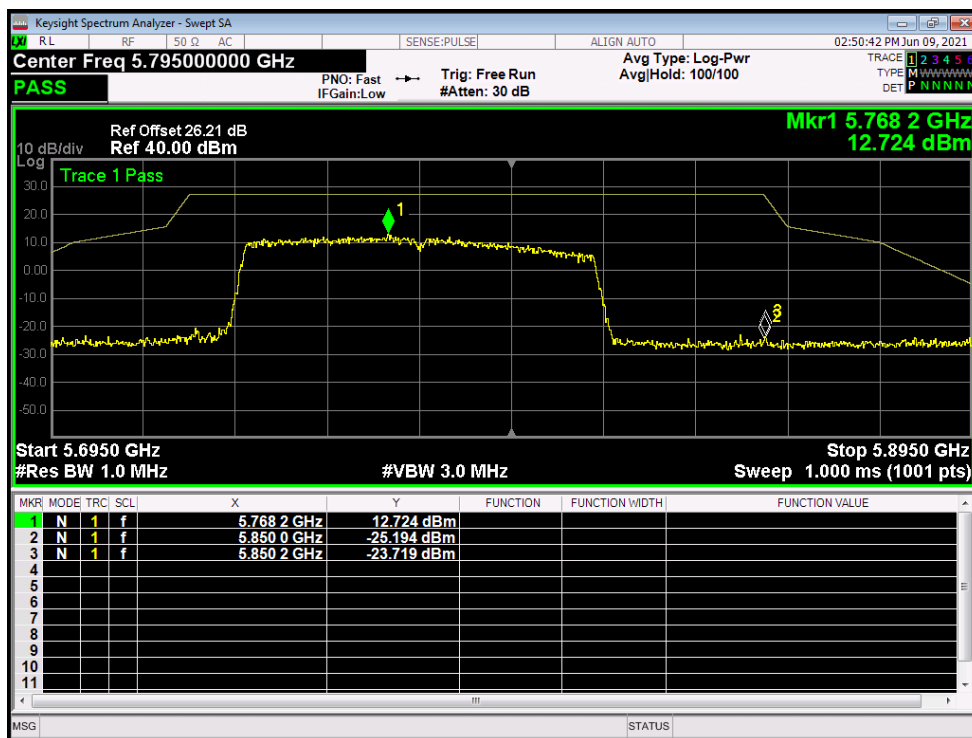
Band Edge NVNT ac40 5795MHz High Ant2



Band Edge NVNT ac80 5775MHz High Ant1



Band Edge NVNT ac80 5775MHz High Ant2



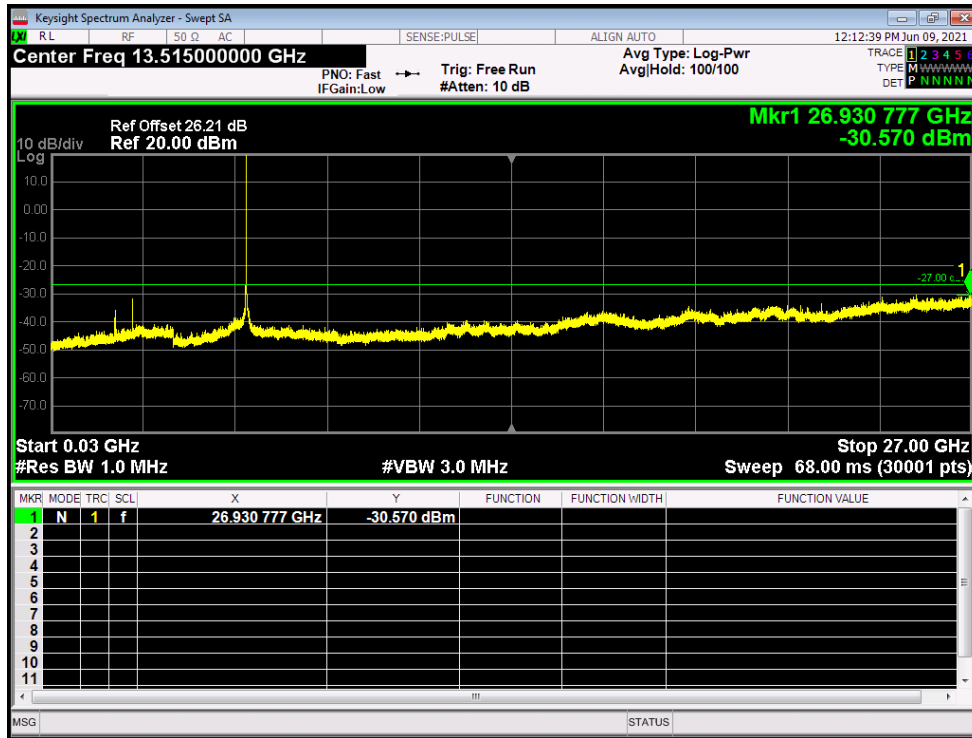
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ac20	5745	Ant1	-30.56	-27	Pass
NVNT	ac20	5785	Ant1	-30.53	-27	Pass
NVNT	ac20	5825	Ant1	-30.59	-27	Pass
NVNT	ac20	5745	Ant2	-30.36	-27	Pass
NVNT	ac20	5785	Ant2	-30.22	-27	Pass

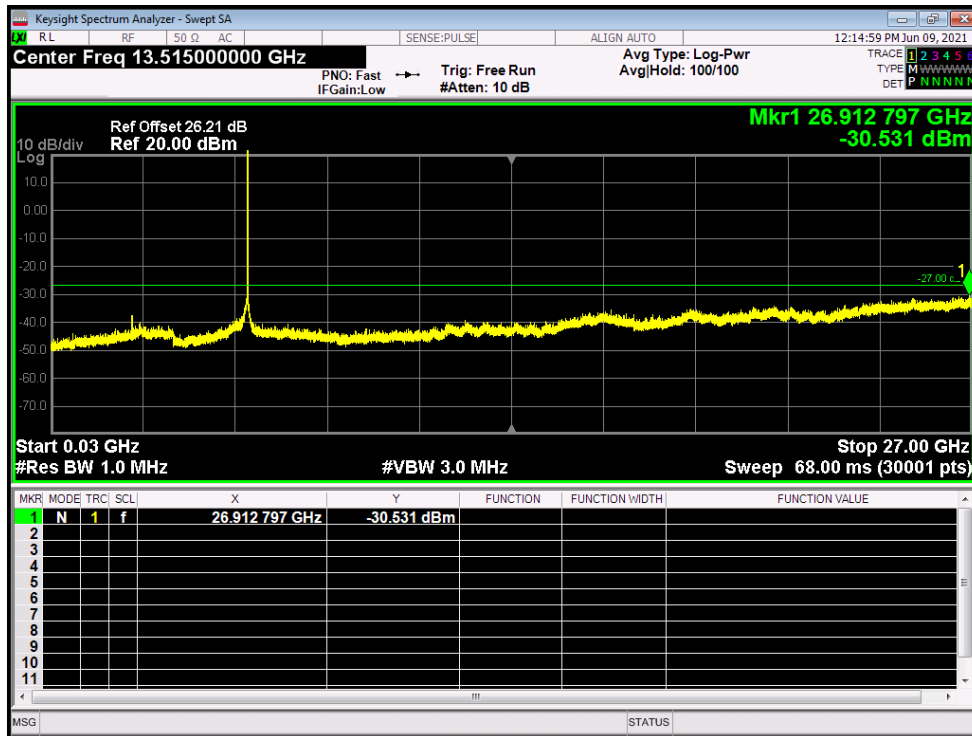
NVNT	ac20	5825	Ant2	-30.61	-27	Pass
NVNT	ac40	5755	Ant1	-30.63	-27	Pass
NVNT	ac40	5795	Ant1	-30.47	-27	Pass
NVNT	ac40	5755	Ant2	-30.53	-27	Pass
NVNT	ac40	5795	Ant2	-30.72	-27	Pass
NVNT	ac80	5775	Ant1	-30.39	-27	Pass
NVNT	ac80	5775	Ant2	-31.1	-27	Pass

Note: The SISO margin is greater than 3db, the MIMO mode is meets the requirements. The offset contain the antenna gain.

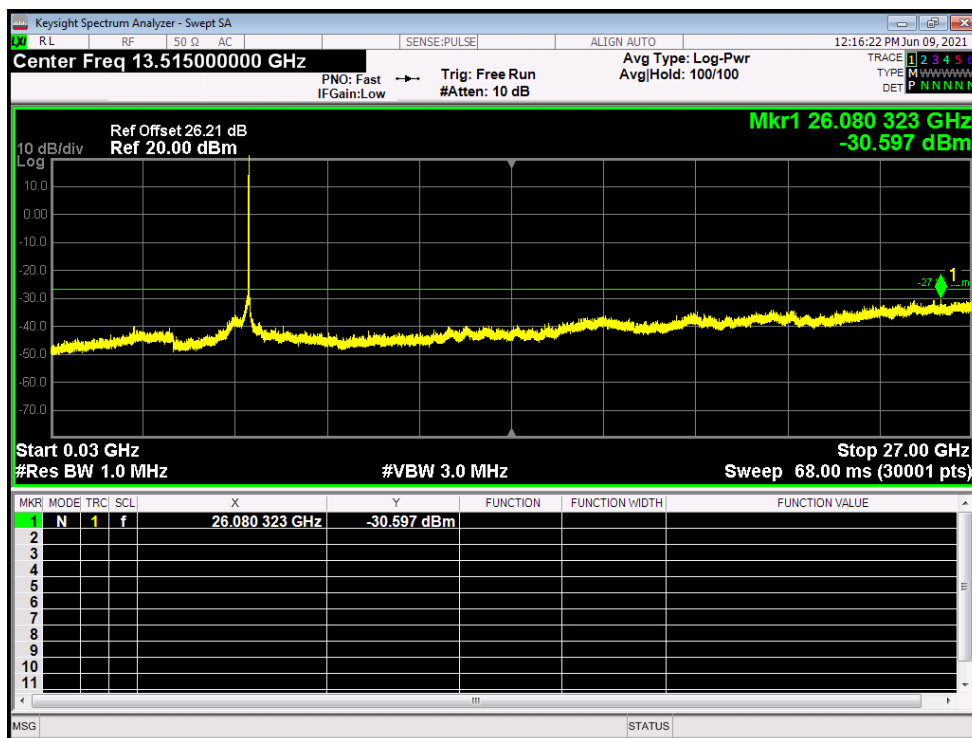
Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



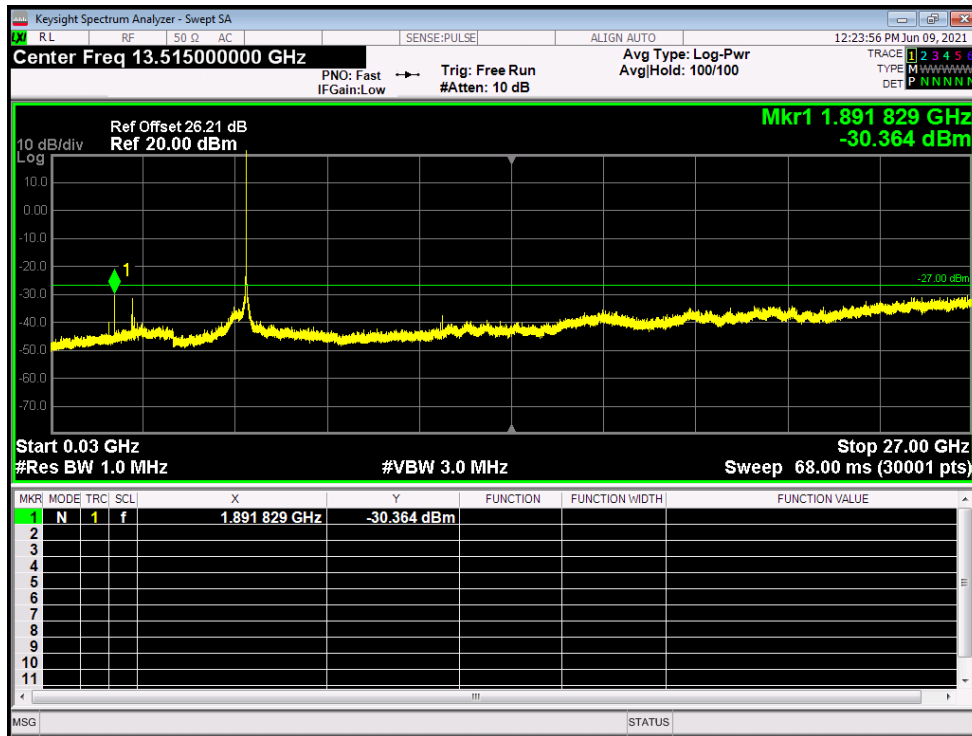
Tx. Spurious NVNT ac20 5785MHz Ant1 Emission



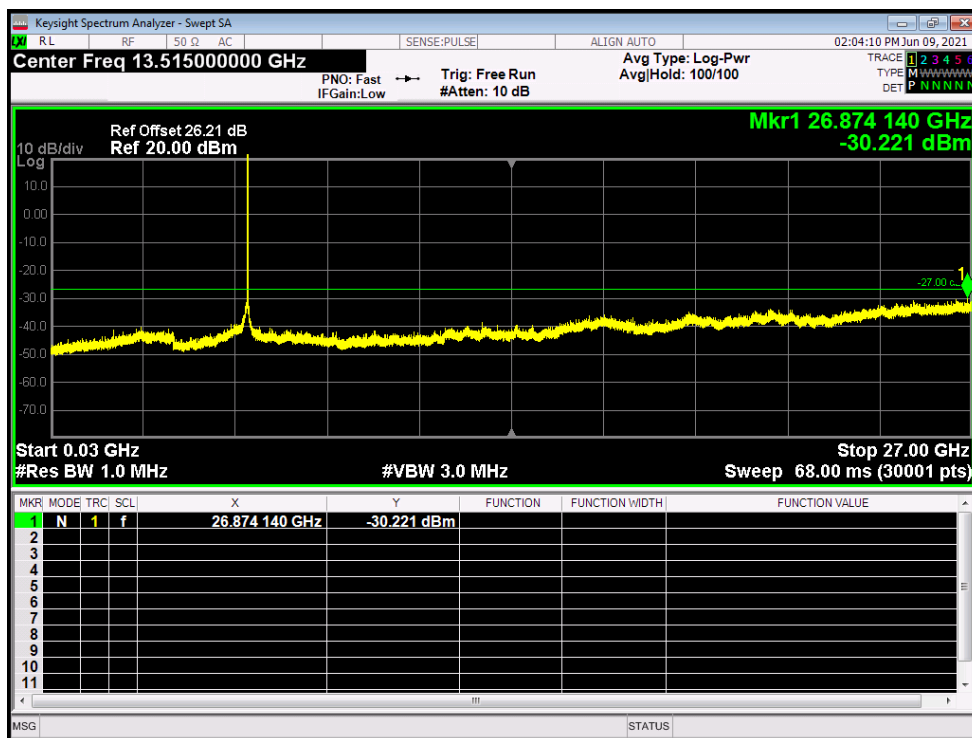
Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



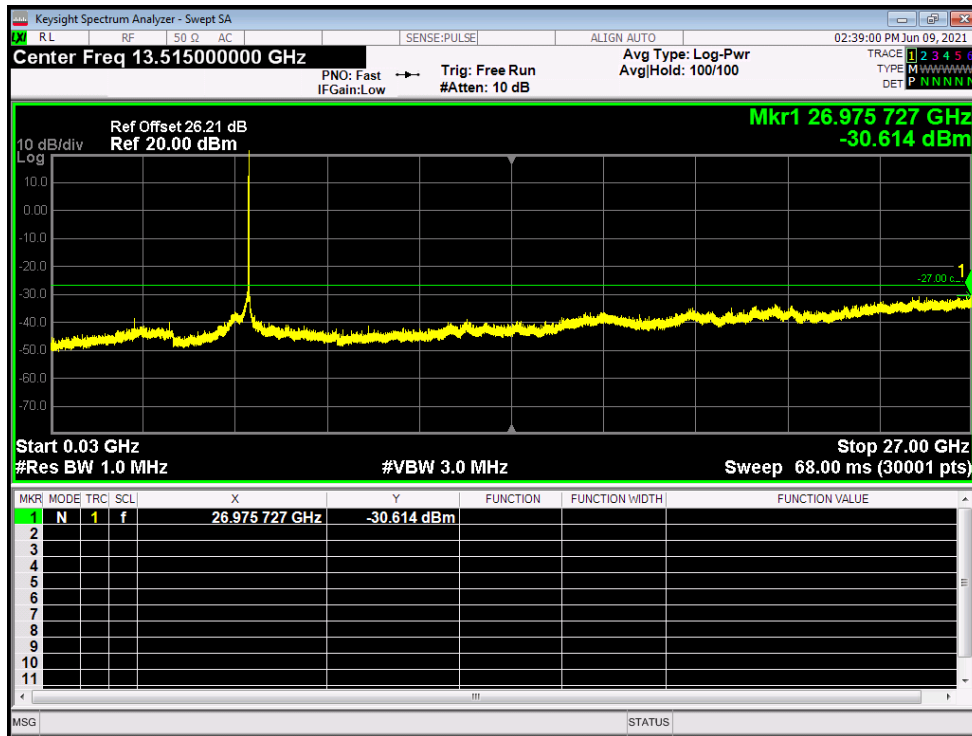
Tx. Spurious NVNT ac20 5745MHz Ant2 Emission



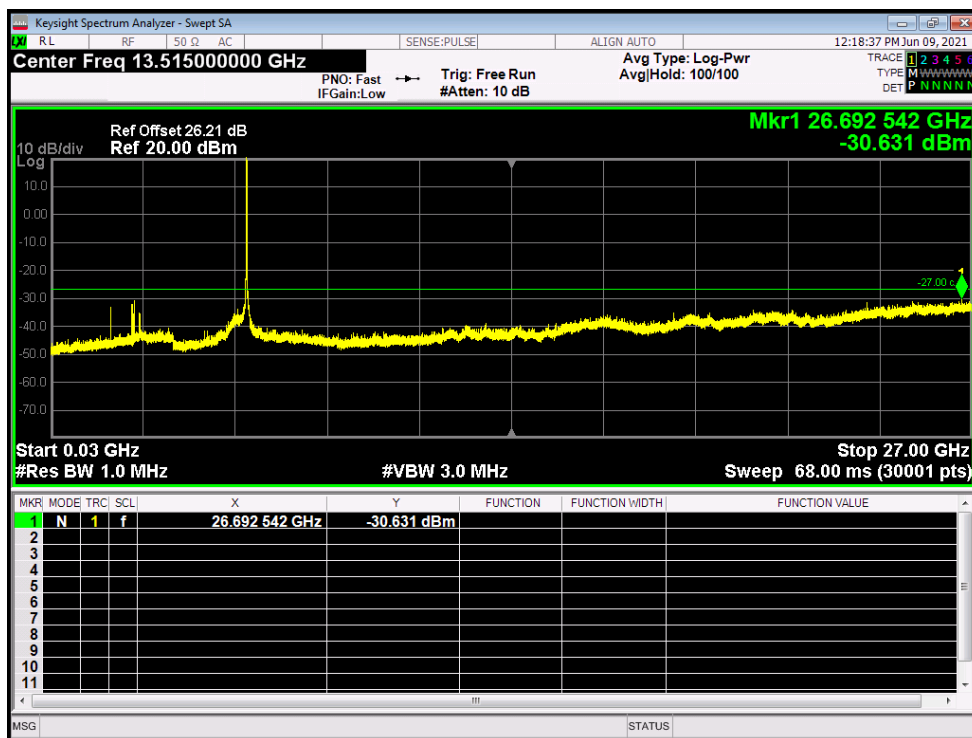
Tx. Spurious NVNT ac20 5785MHz Ant2 Emission



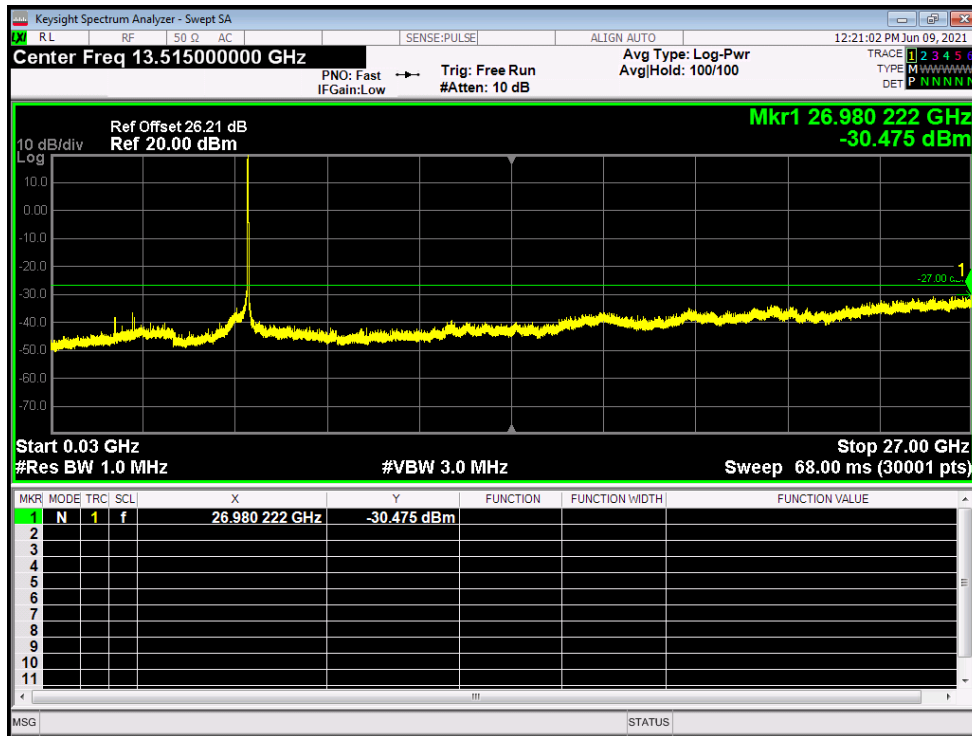
Tx. Spurious NVNT ac20 5825MHz Ant2 Emission



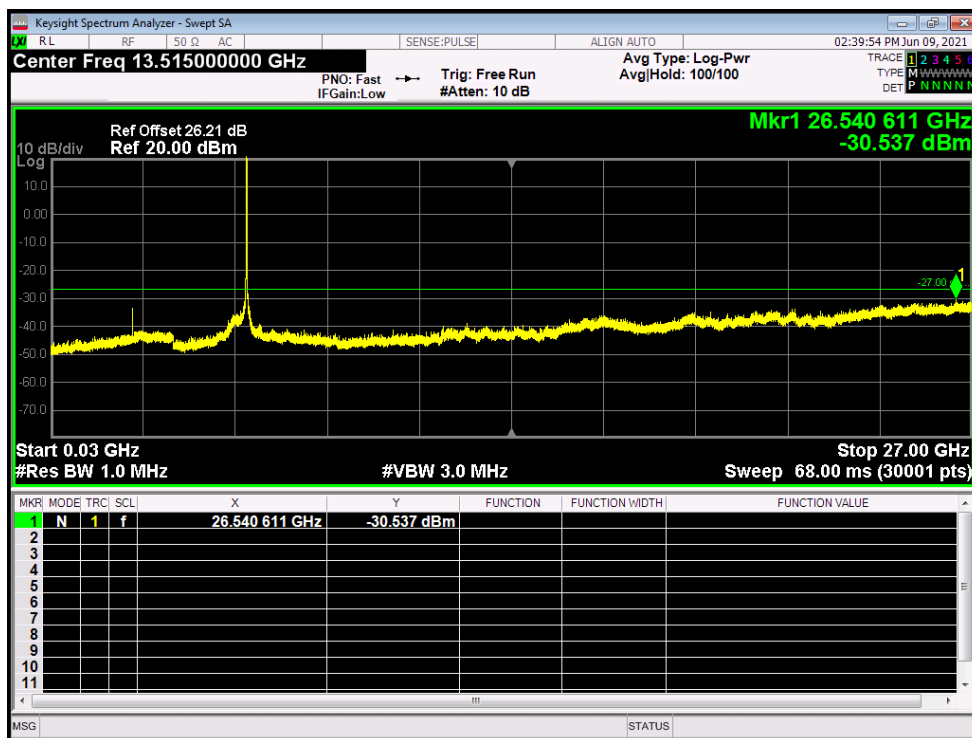
Tx. Spurious NVNT ac40 5755MHz Ant1 Emission



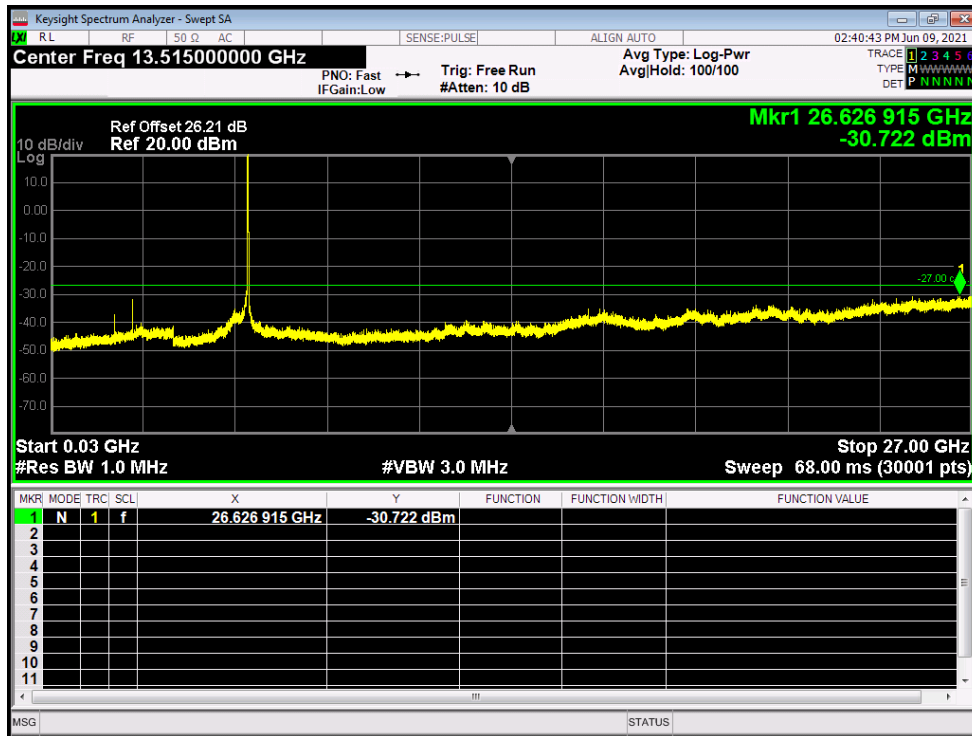
Tx. Spurious NVNT ac40 5795MHz Ant1 Emission



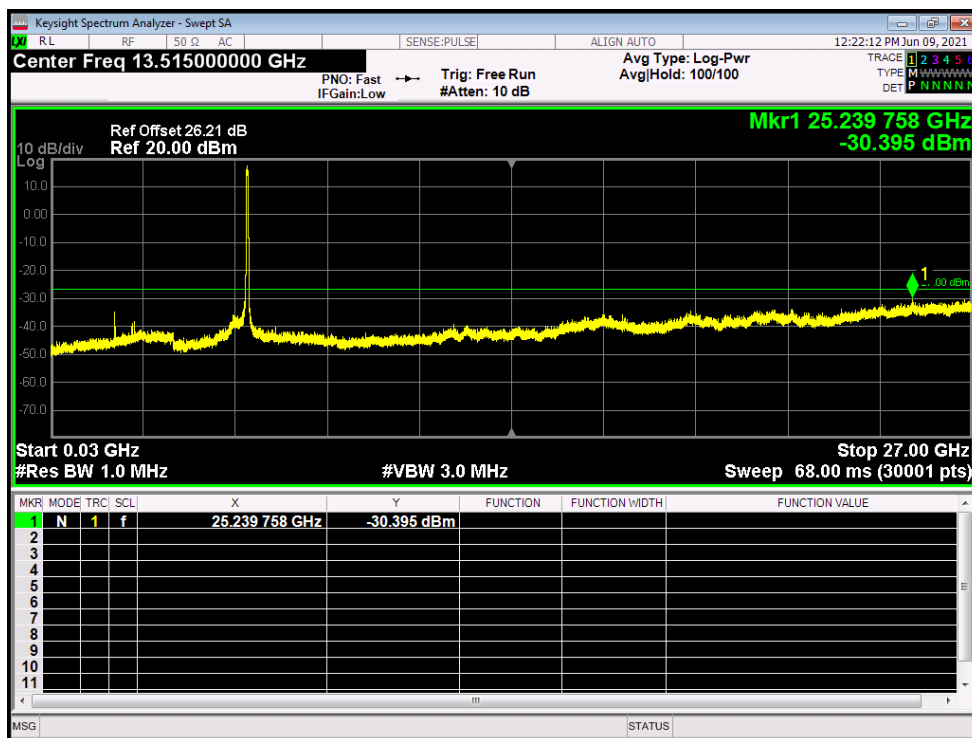
Tx. Spurious NVNT ac40 5755MHz Ant2 Emission



Tx. Spurious NVNT ac40 5795MHz Ant2 Emission



Tx. Spurious NVNT ac80 5775MHz Ant1 Emission



Tx. Spurious NVNT ac80 5775MHz Ant2 Emission

