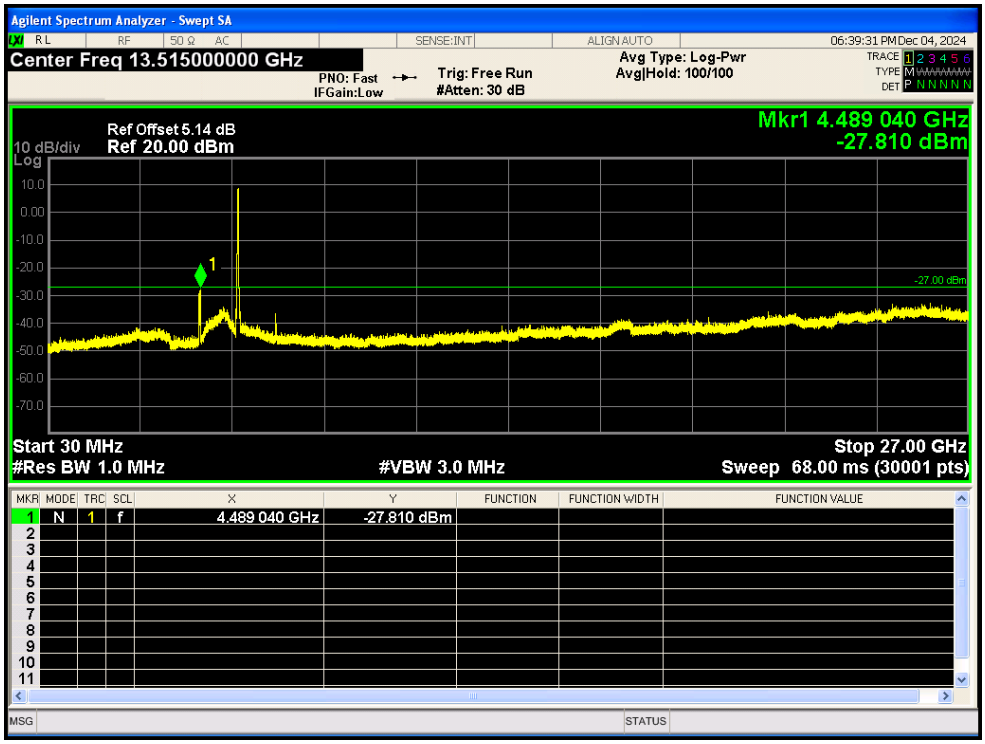
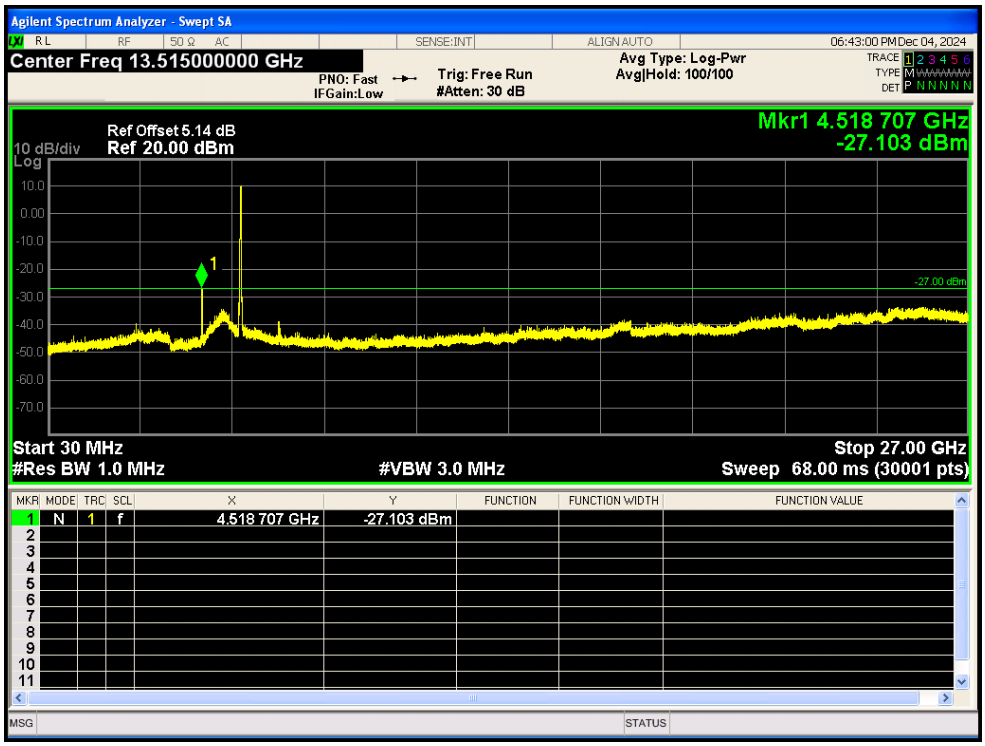


Tx. Spurious NVNT n40 5670MHz Ant1 Emission

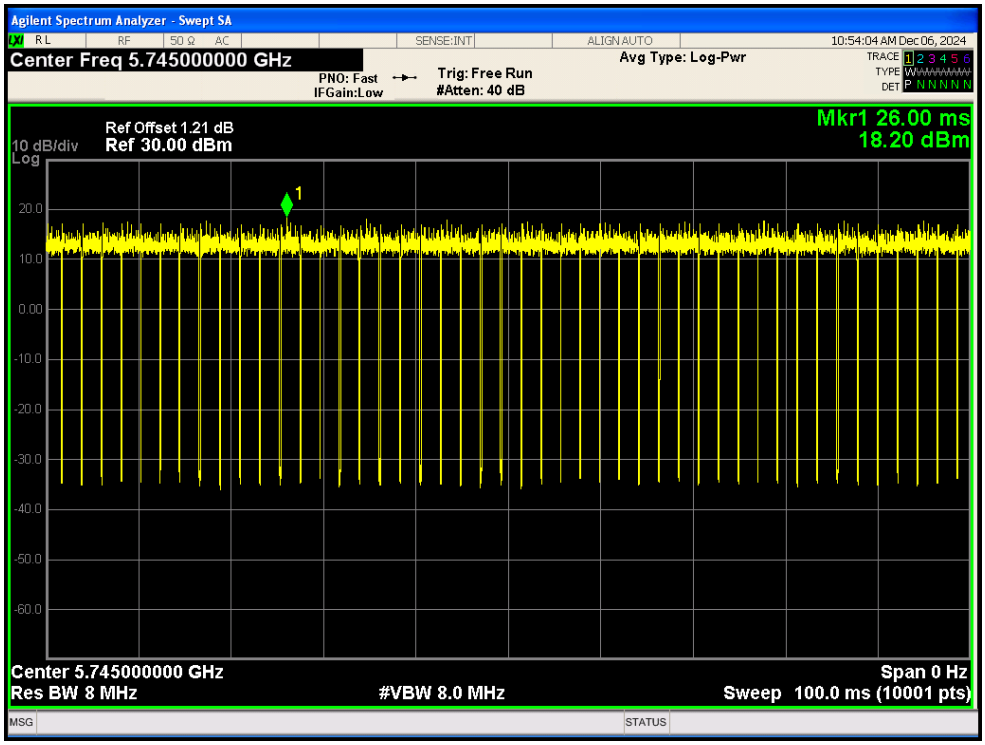


WIFI 5.8G

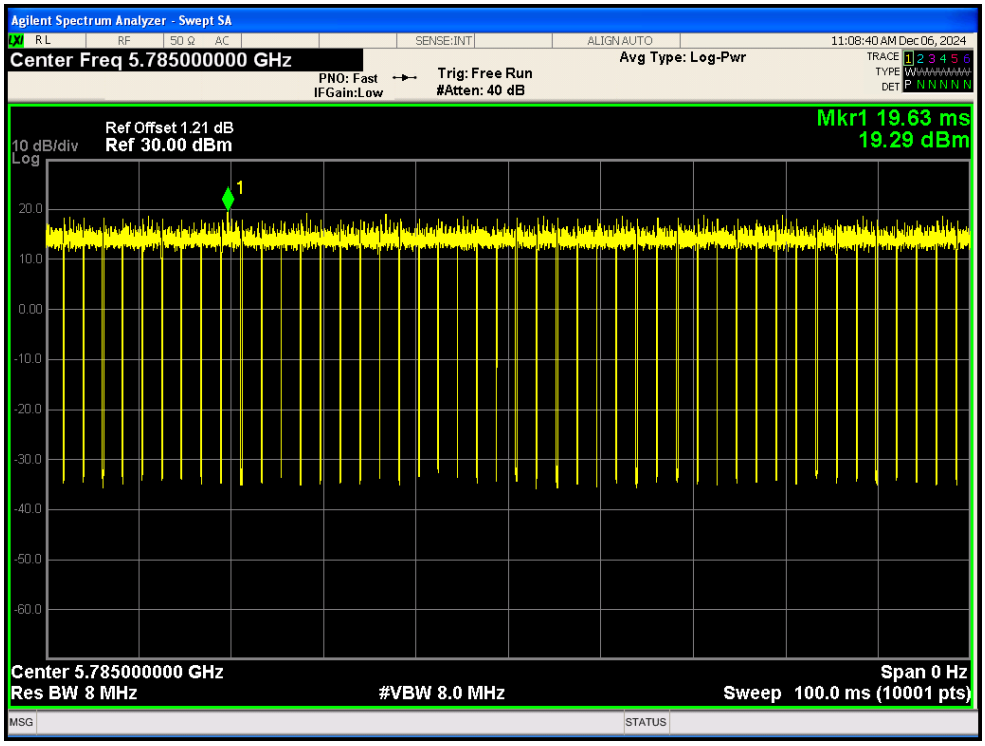
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	94.97	0.22
NVNT	a	5785	Ant1	95.22	0.21
NVNT	a	5825	Ant1	95.25	0.21
NVNT	ac20	5745	Ant1	94.79	0.23
NVNT	ac20	5785	Ant1	95.24	0.21
NVNT	ac20	5825	Ant1	94.88	0.23
NVNT	ac40	5755	Ant1	90.59	0.43
NVNT	ac40	5795	Ant1	85.36	0.69
NVNT	ax20	5745	Ant1	94.14	0.26
NVNT	ax20	5785	Ant1	94.3	0.25
NVNT	ax20	5825	Ant1	93.71	0.28
NVNT	ax40	5755	Ant1	88.58	0.53
NVNT	ax40	5795	Ant1	88.19	0.55
NVNT	n20	5745	Ant1	94.57	0.24
NVNT	n20	5785	Ant1	95.04	0.22
NVNT	n20	5825	Ant1	95.33	0.21
NVNT	n40	5755	Ant1	84.15	0.75
NVNT	n40	5795	Ant1	90.67	0.43

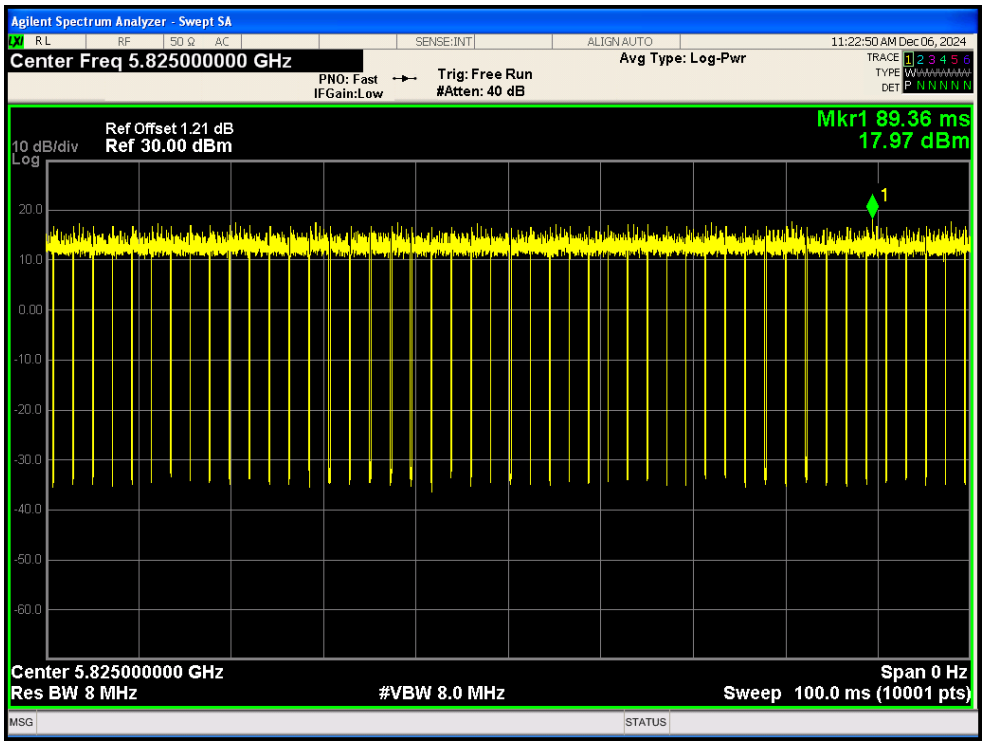
Duty Cycle NVNT a 5745MHz Ant1



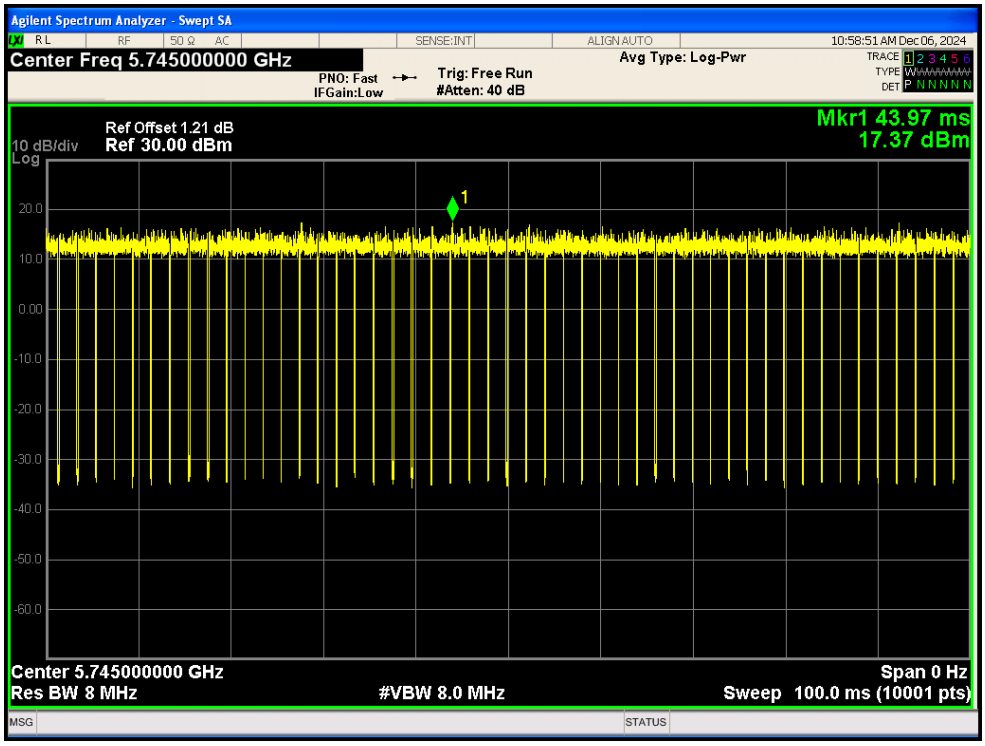
Duty Cycle NVNT a 5785MHz Ant1



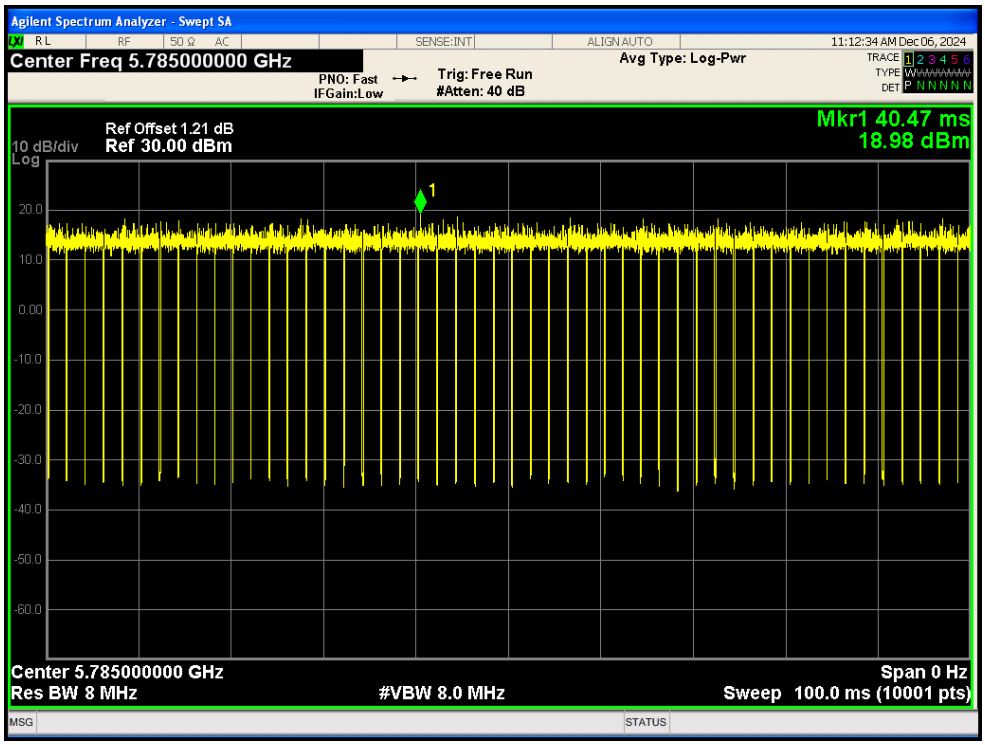
Duty Cycle NVNT a 5825MHz Ant1



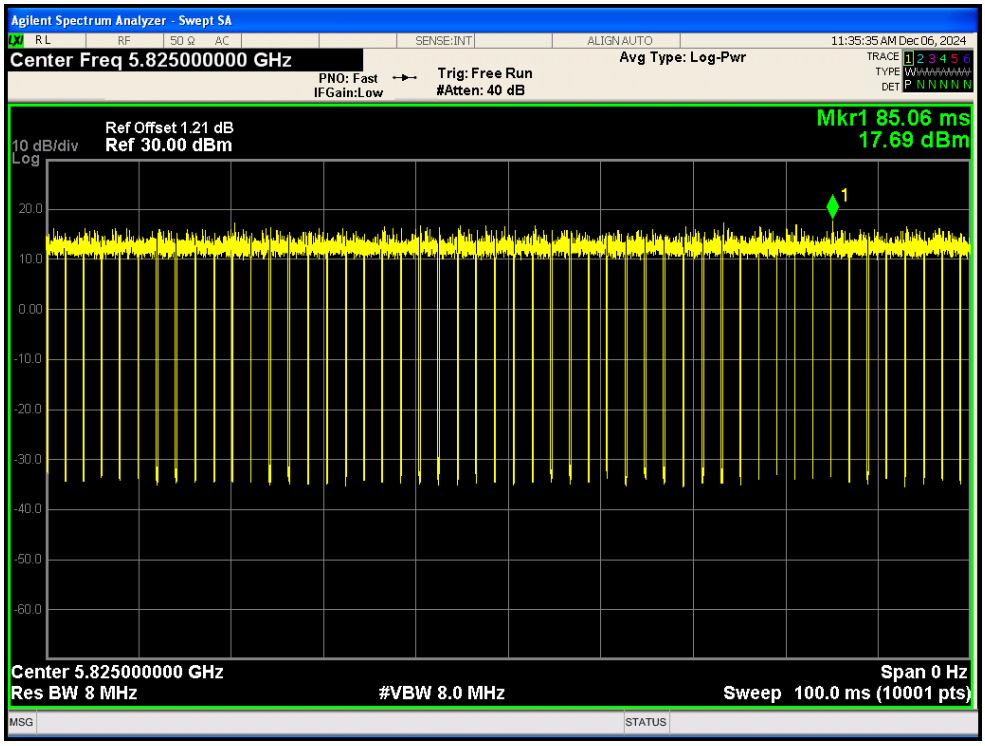
Duty Cycle NVNT ac20 5745MHz Ant1



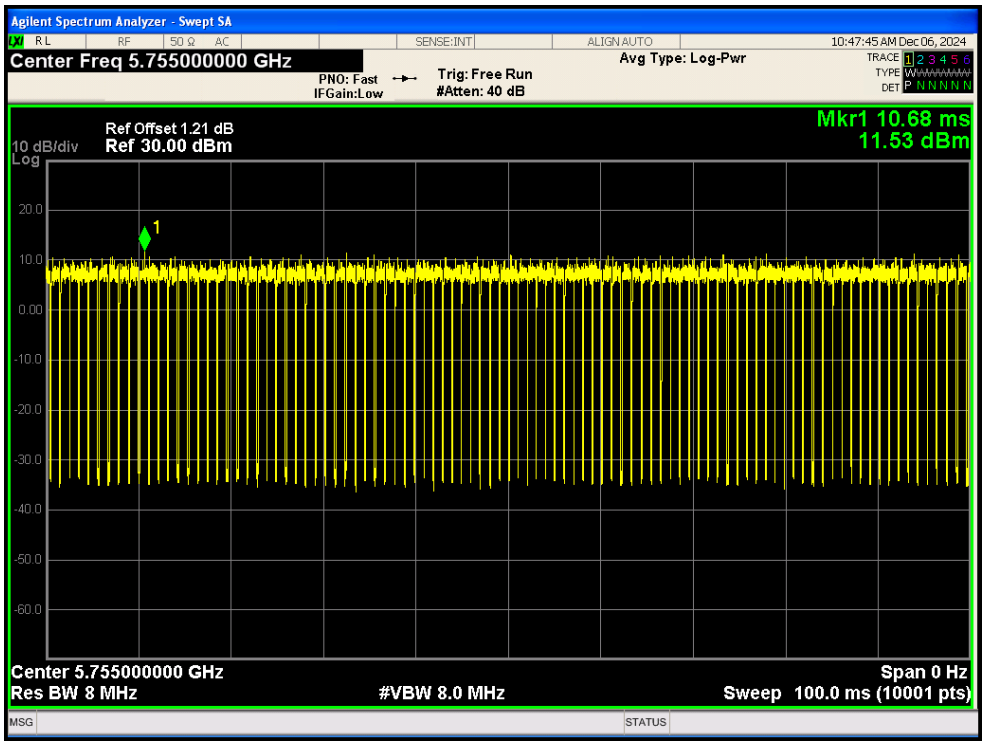
Duty Cycle NVNT ac20 5785MHz Ant1



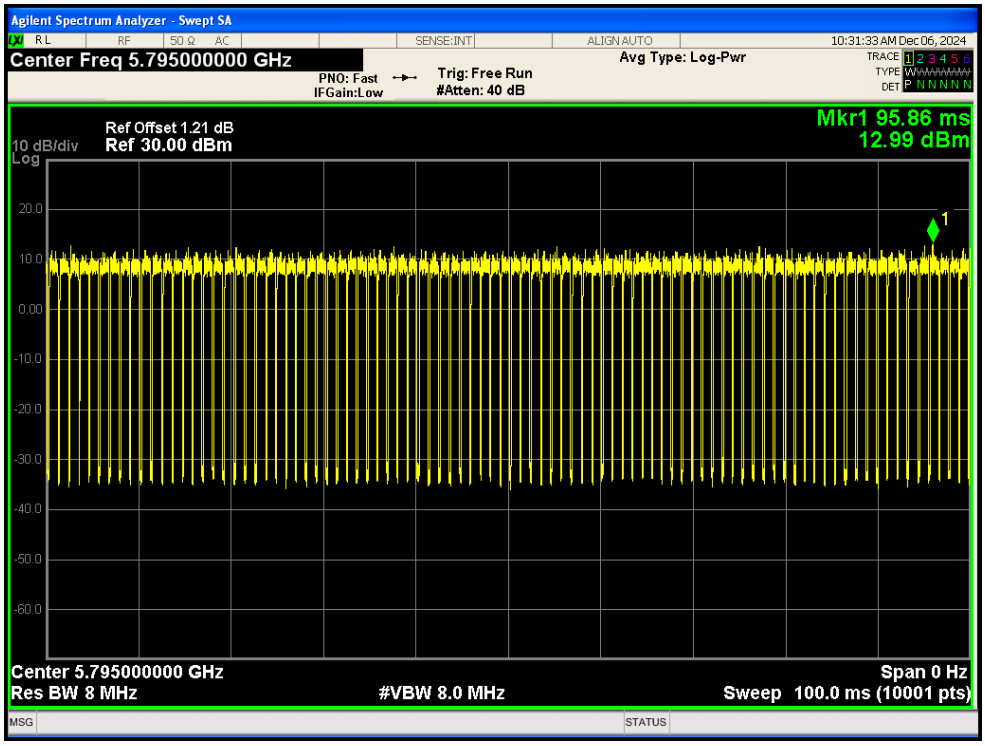
Duty Cycle NVNT ac20 5825MHz Ant1



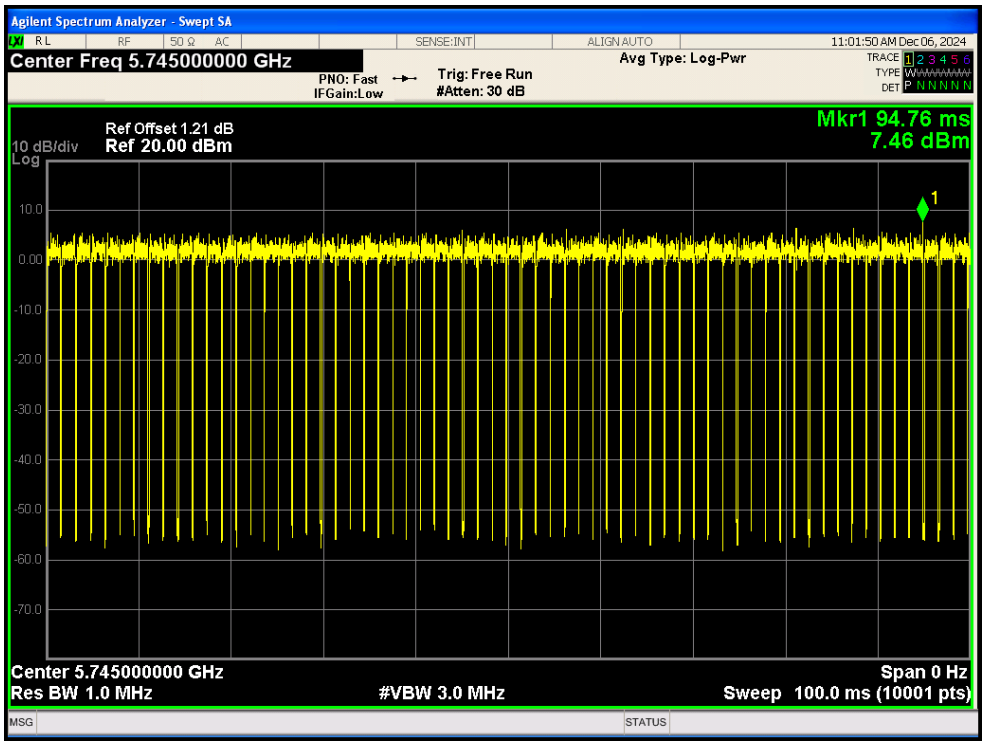
Duty Cycle NVNT ac40 5755MHz Ant1



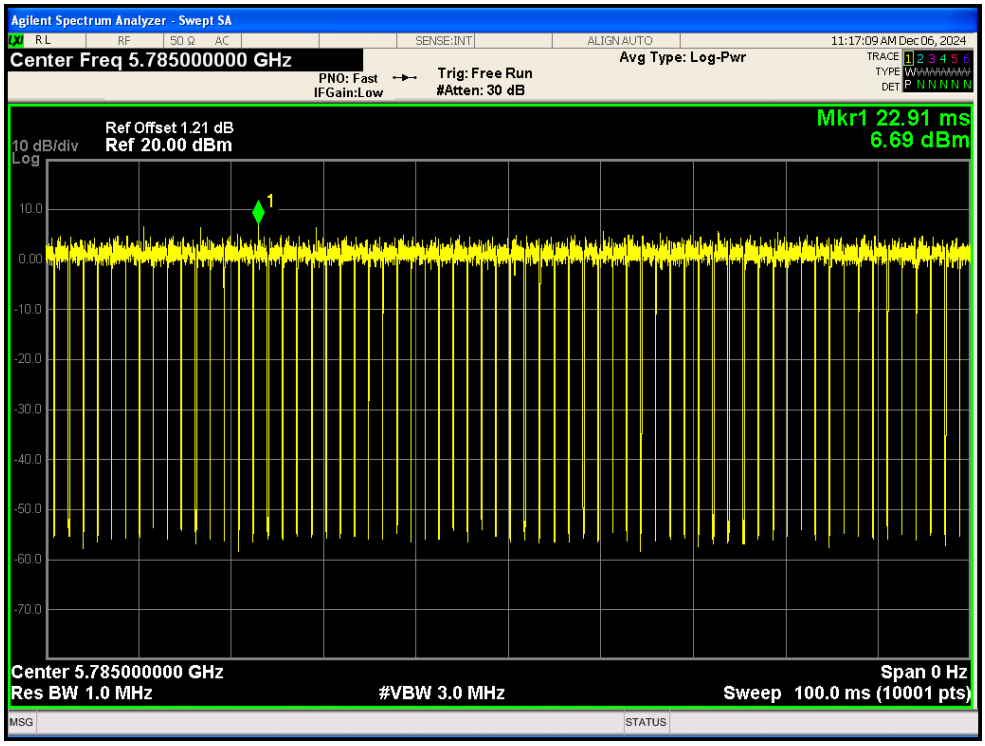
Duty Cycle NVNT ac40 5795MHz Ant1



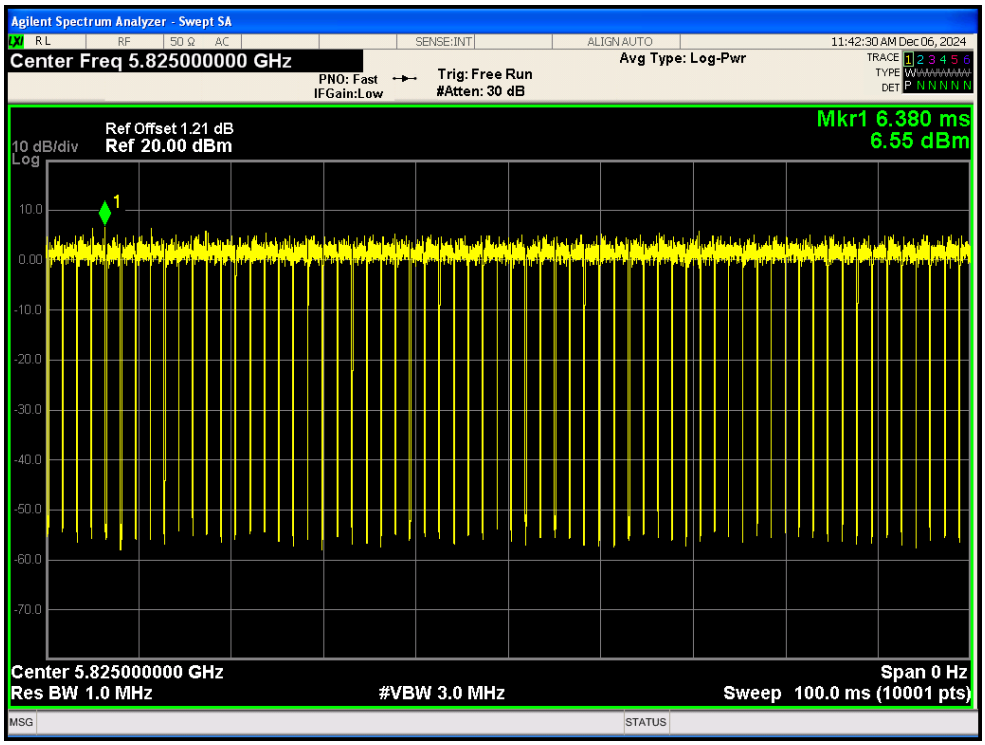
Duty Cycle NVNT ax20 5745MHz Ant1



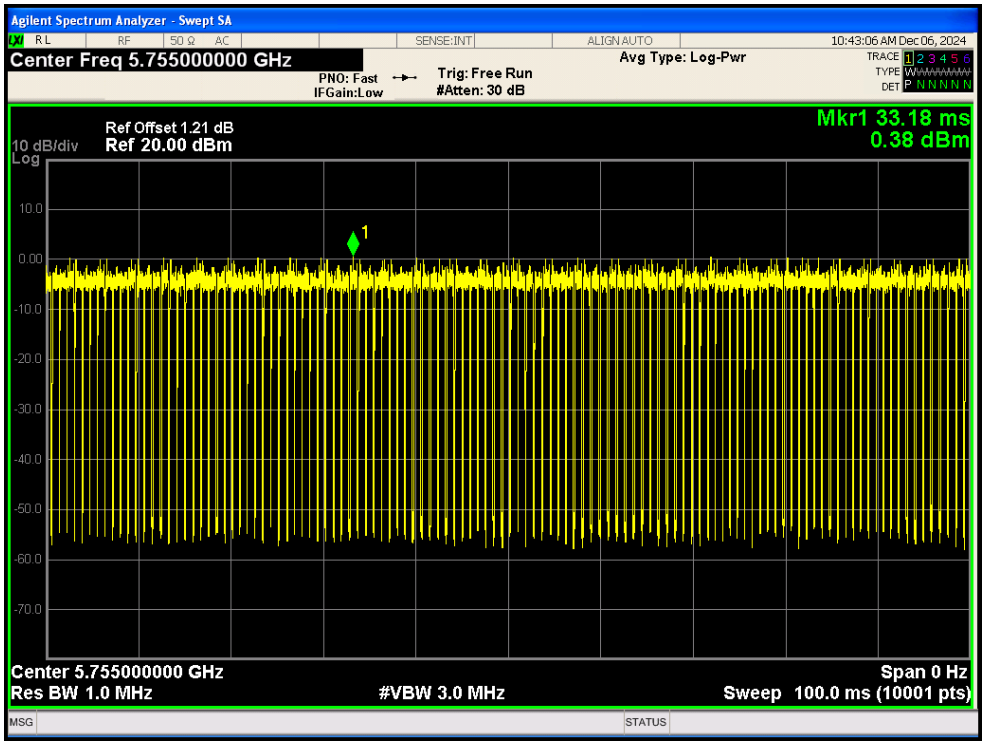
Duty Cycle NVNT ax20 5785MHz Ant1



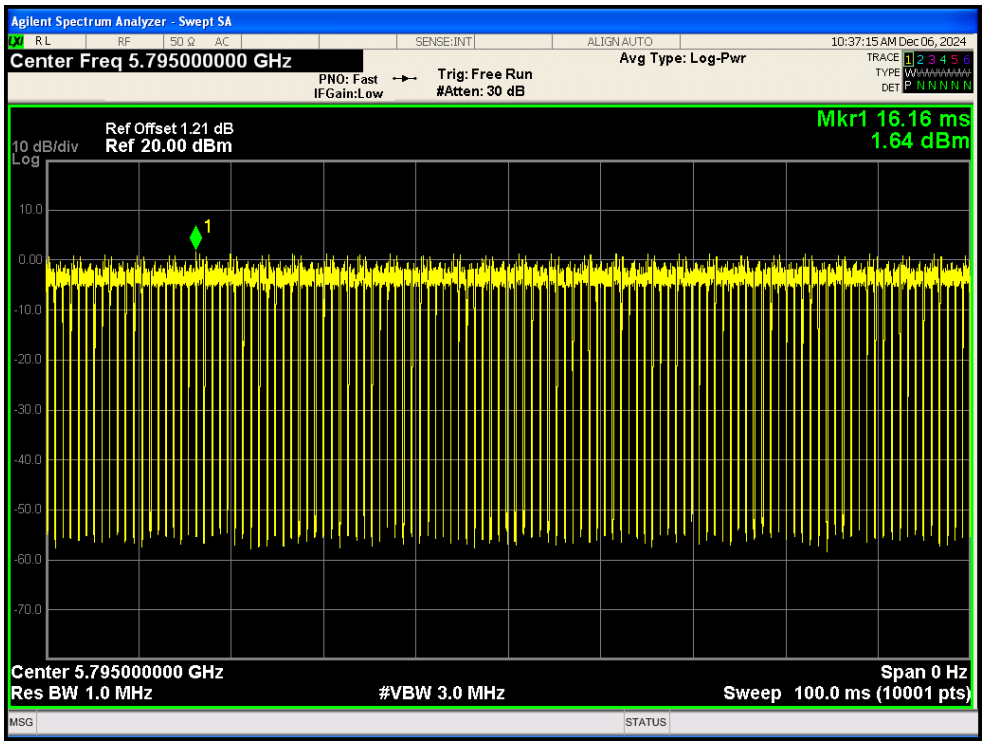
Duty Cycle NVNT ax20 5825MHz Ant1



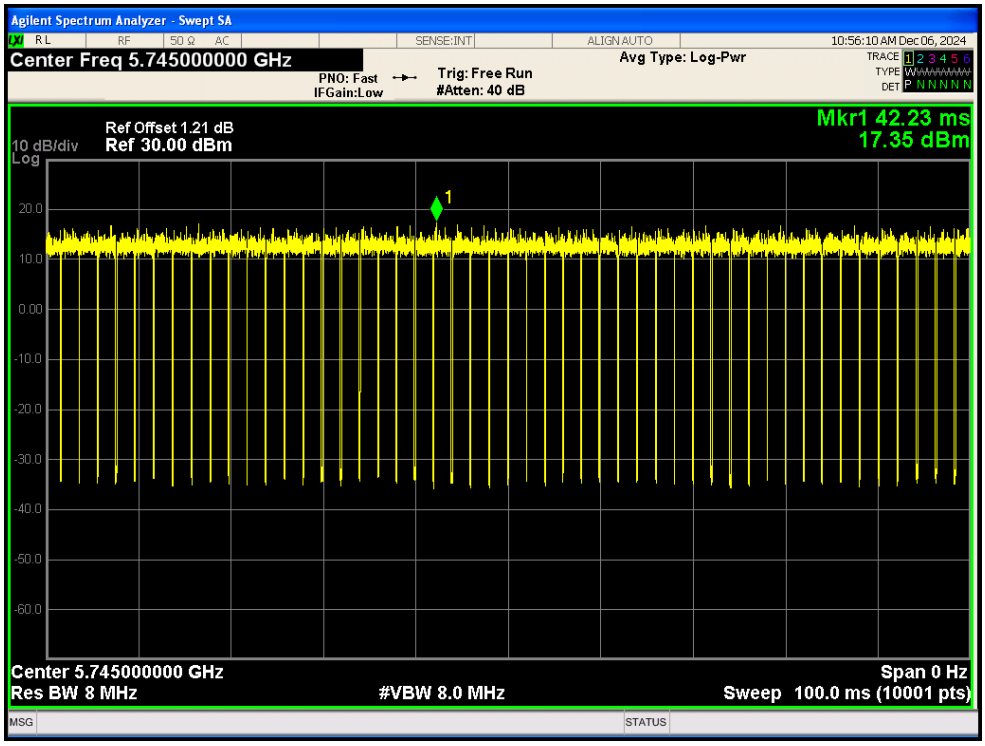
Duty Cycle NVNT ax40 5755MHz Ant1



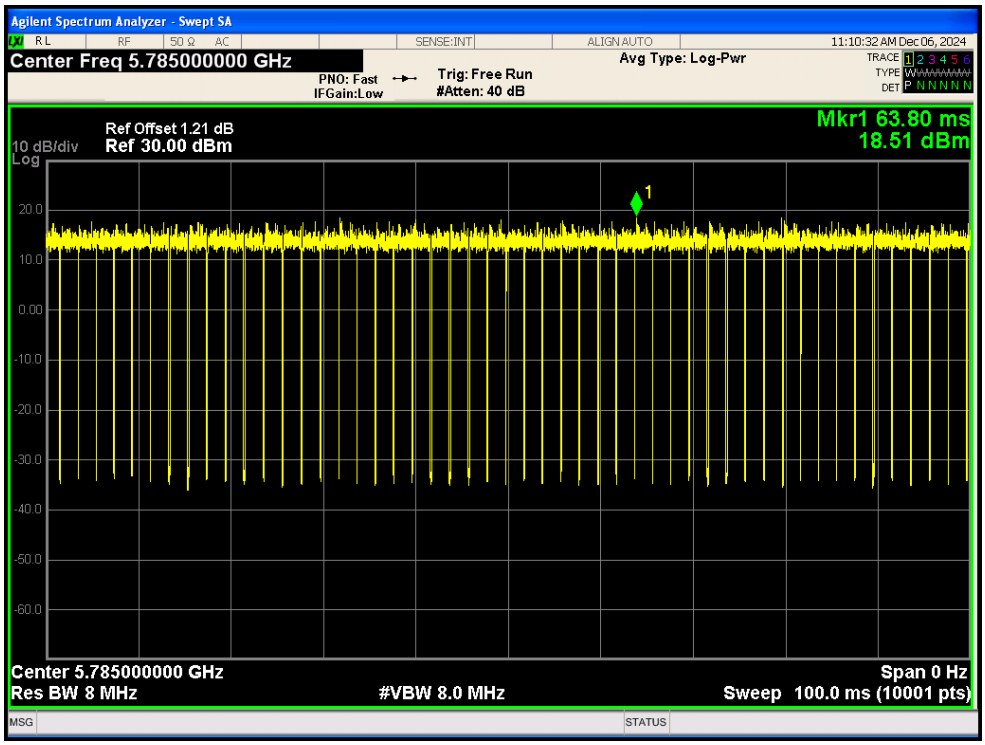
Duty Cycle NVNT ax40 5795MHz Ant1



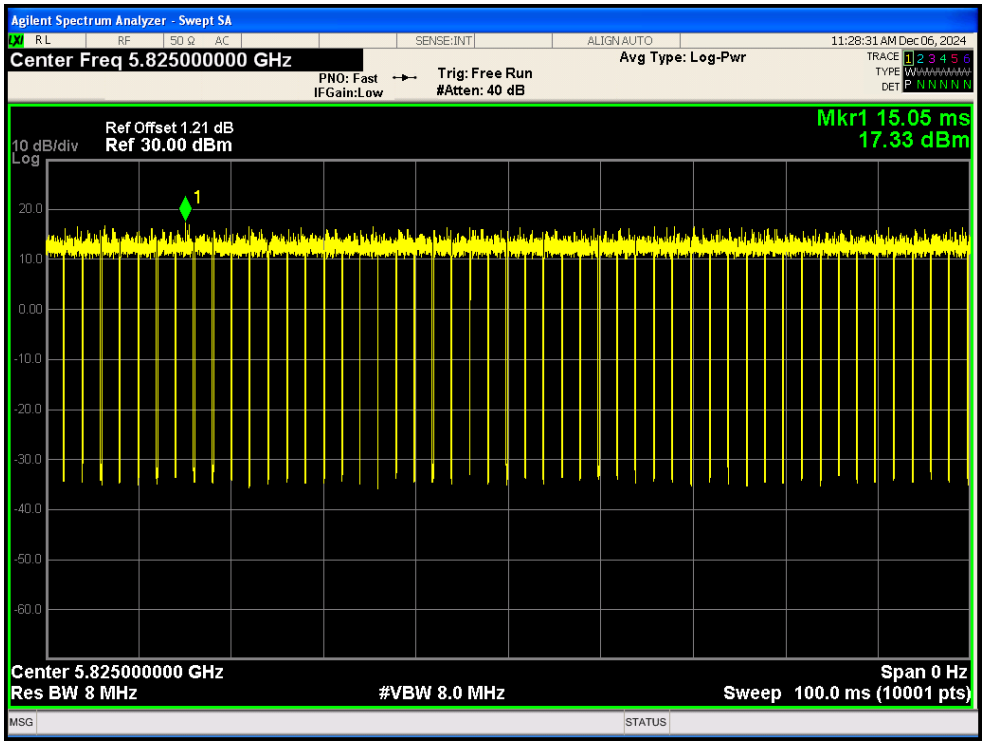
Duty Cycle NVNT n20 5745MHz Ant1



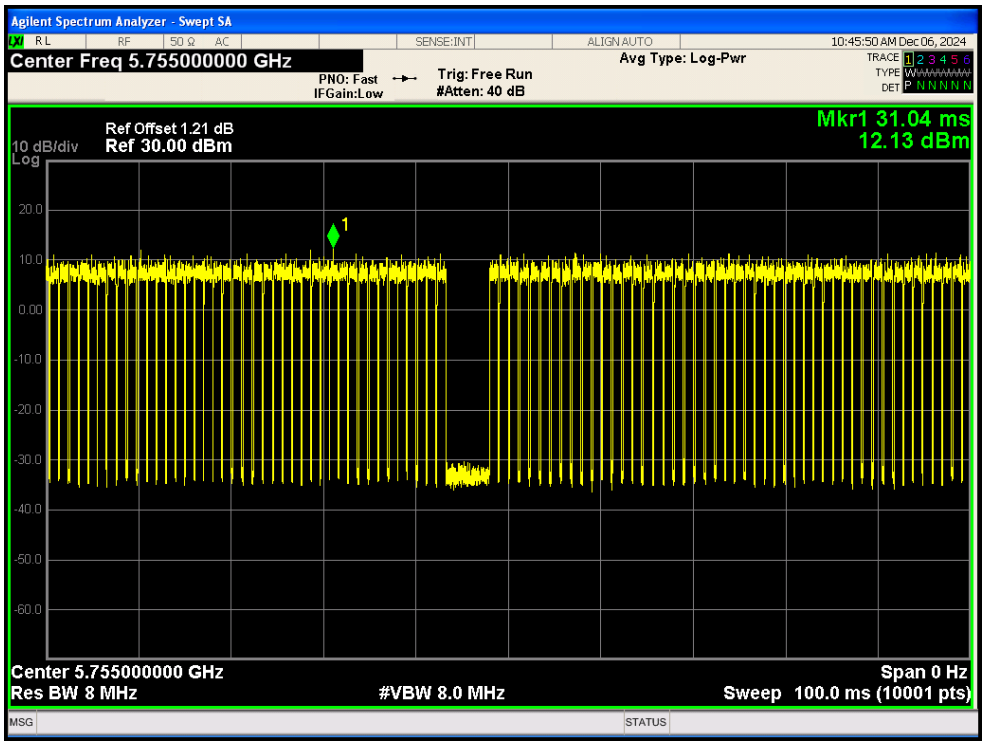
Duty Cycle NVNT n20 5785MHz Ant1



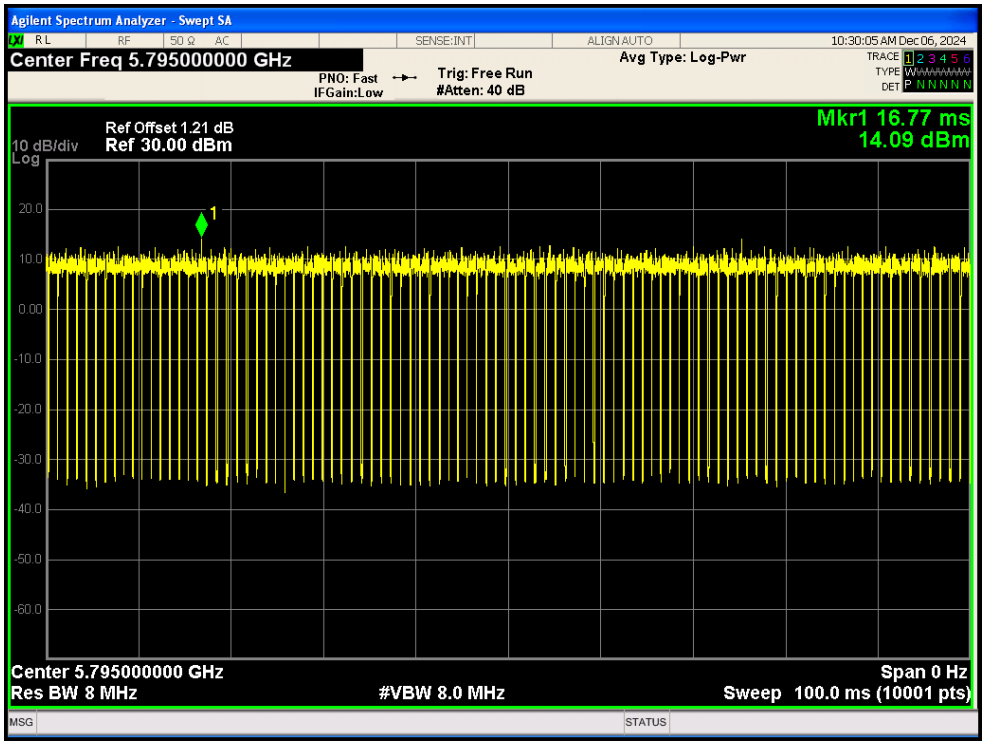
Duty Cycle NVNT n20 5825MHz Ant1



Duty Cycle NVNT n40 5755MHz Ant1



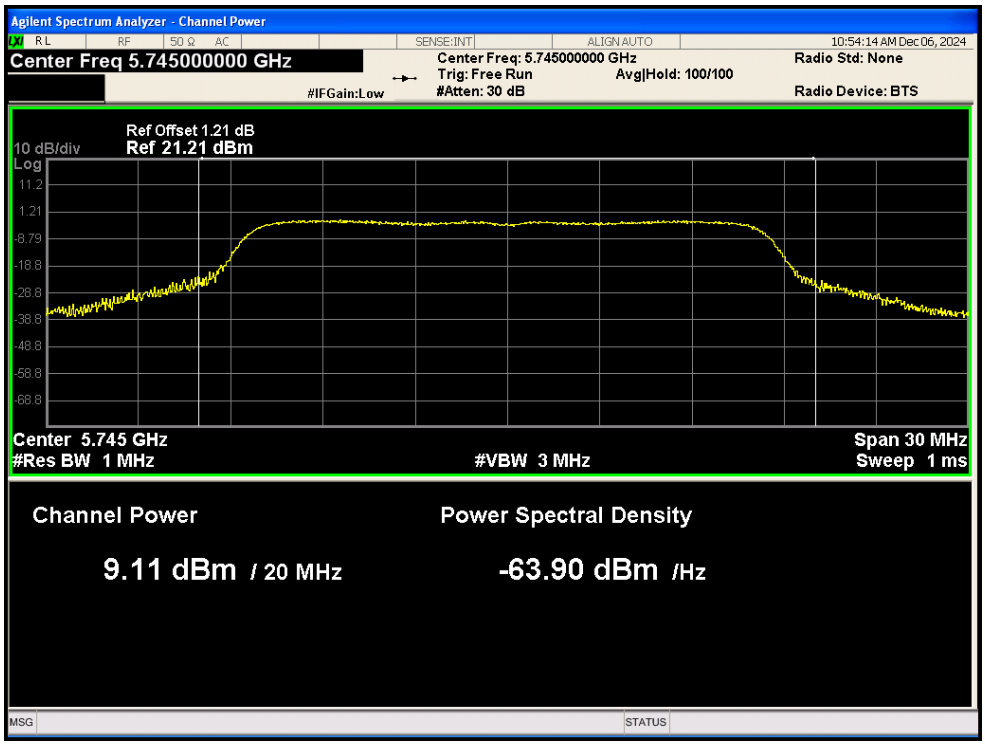
Duty Cycle NVNT n40 5795MHz Ant1



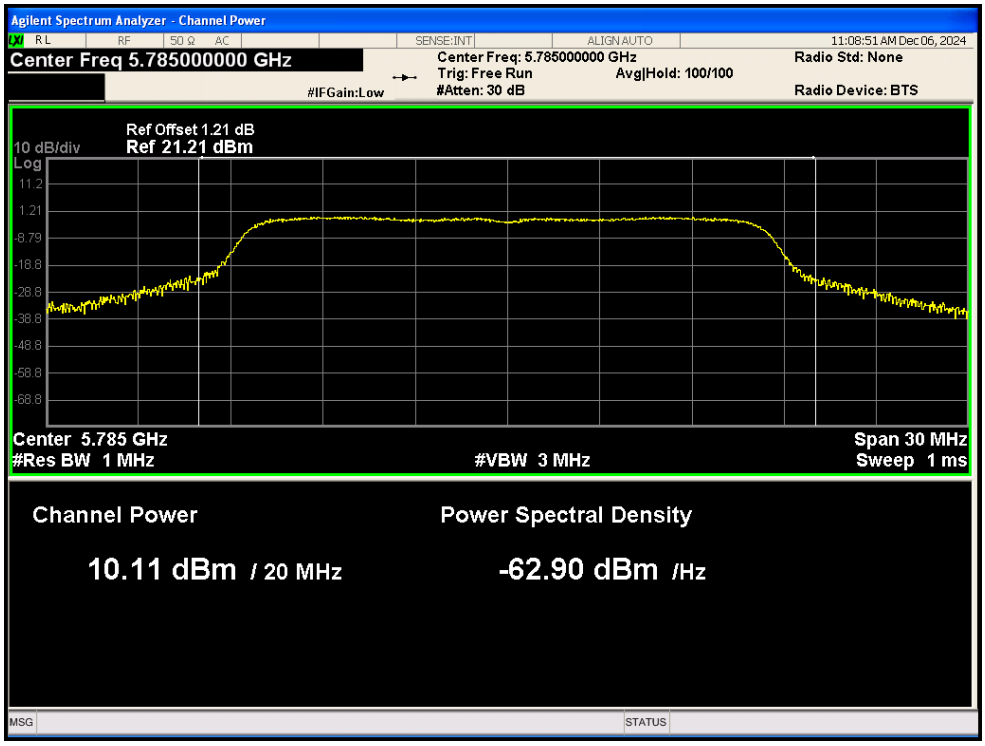
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	9.111	0.22	9.331	30	Pass
NVNT	a	5785	Ant1	10.114	0.21	10.324	30	Pass
NVNT	a	5825	Ant1	8.839	0.21	9.049	30	Pass
NVNT	ac20	5745	Ant1	9.123	0.23	9.353	30	Pass
NVNT	ac20	5785	Ant1	10.118	0.21	10.328	30	Pass
NVNT	ac20	5825	Ant1	8.891	0.23	9.121	30	Pass
NVNT	ac40	5755	Ant1	6.805	0.43	7.235	30	Pass
NVNT	ac40	5795	Ant1	8.003	0.69	8.693	30	Pass
NVNT	ax20	5745	Ant1	8.879	0.26	9.139	30	Pass
NVNT	ax20	5785	Ant1	8.487	0.25	8.737	30	Pass
NVNT	ax20	5825	Ant1	8.729	0.28	9.009	30	Pass
NVNT	ax40	5755	Ant1	6.67	0.53	7.2	30	Pass
NVNT	ax40	5795	Ant1	7.38	0.55	7.93	30	Pass
NVNT	n20	5745	Ant1	9.013	0.24	9.253	30	Pass
NVNT	n20	5785	Ant1	10.091	0.22	10.311	30	Pass
NVNT	n20	5825	Ant1	8.838	0.21	9.048	30	Pass
NVNT	n40	5755	Ant1	6.739	0.75	7.489	30	Pass
NVNT	n40	5795	Ant1	7.932	0.43	8.362	30	Pass

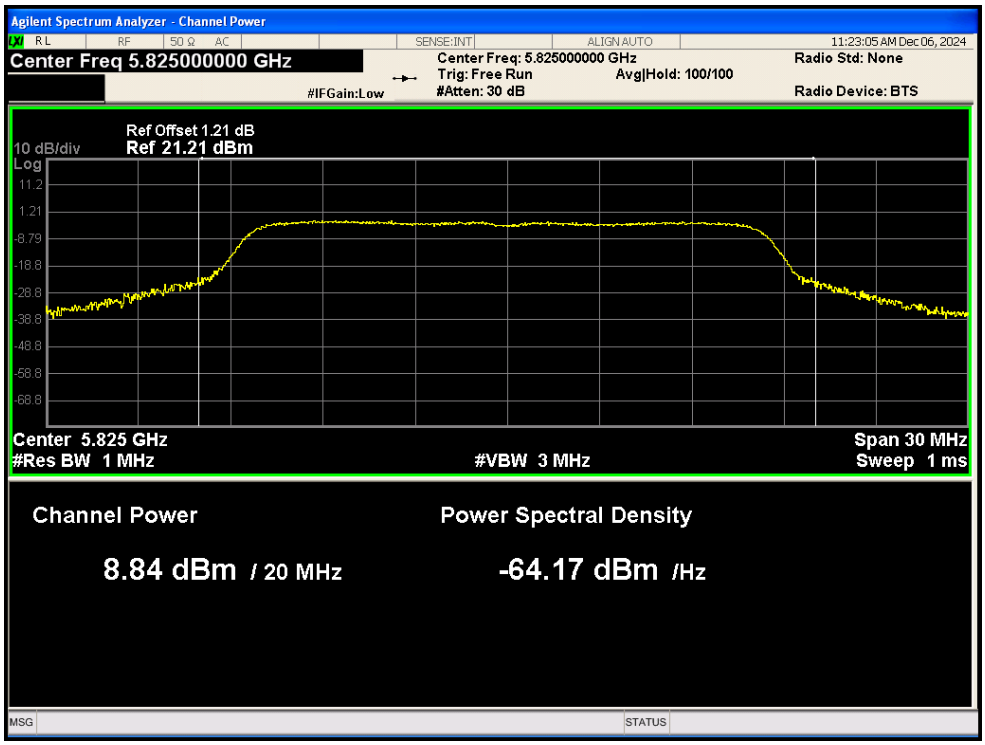
Power NVNT a 5745MHz Ant1



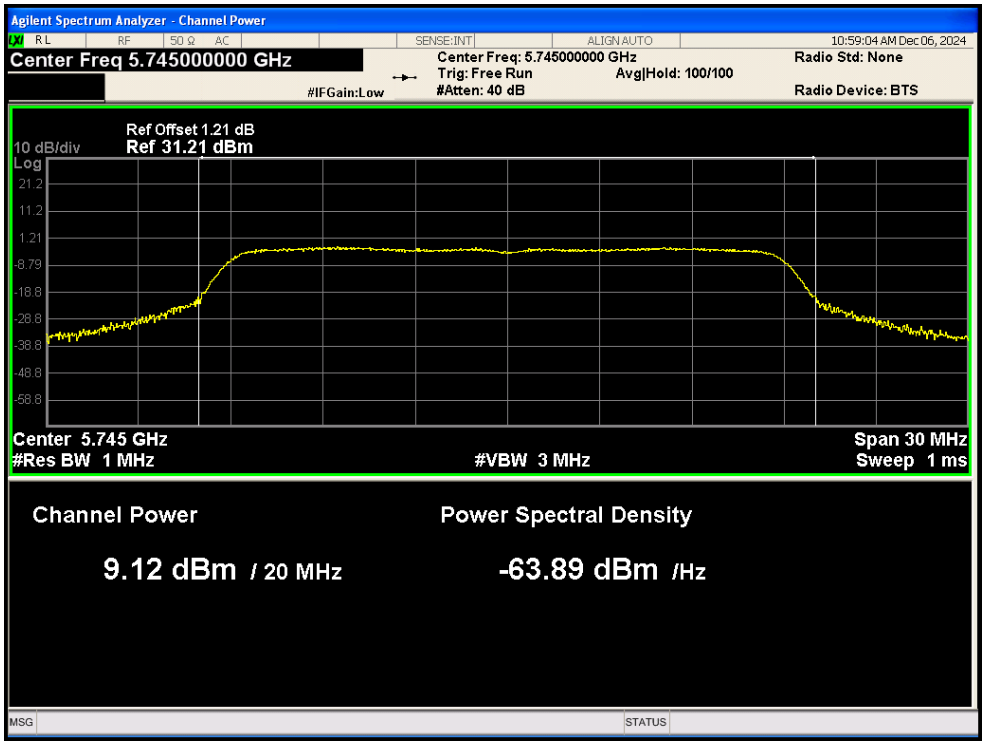
Power NVNT a 5785MHz Ant1



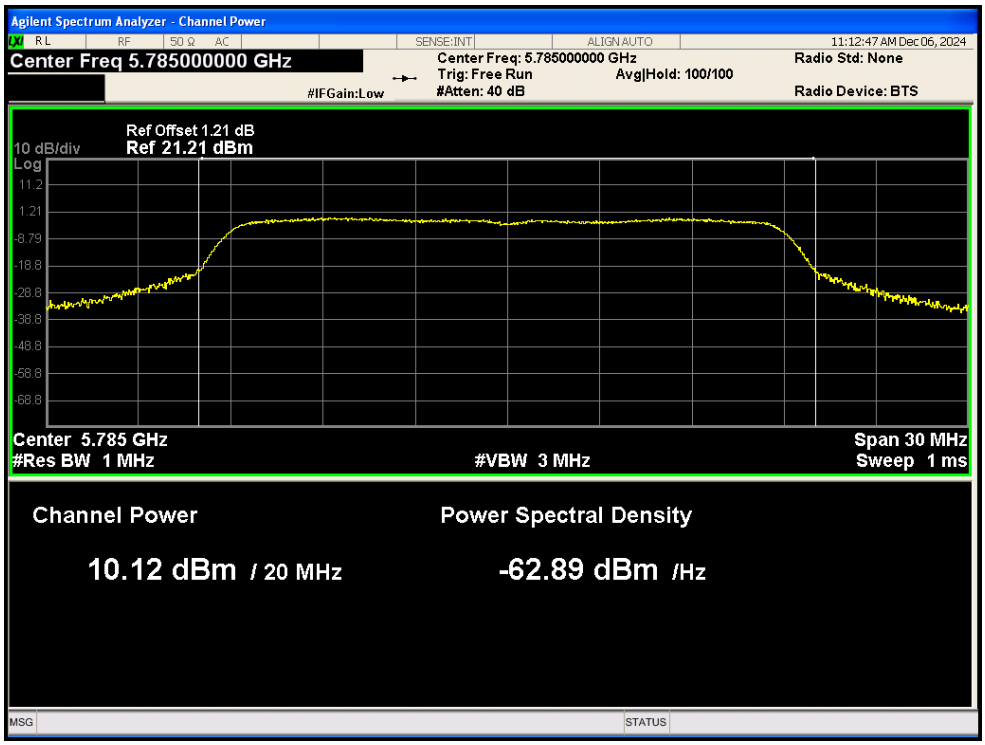
Power NVNT a 5825MHz Ant1



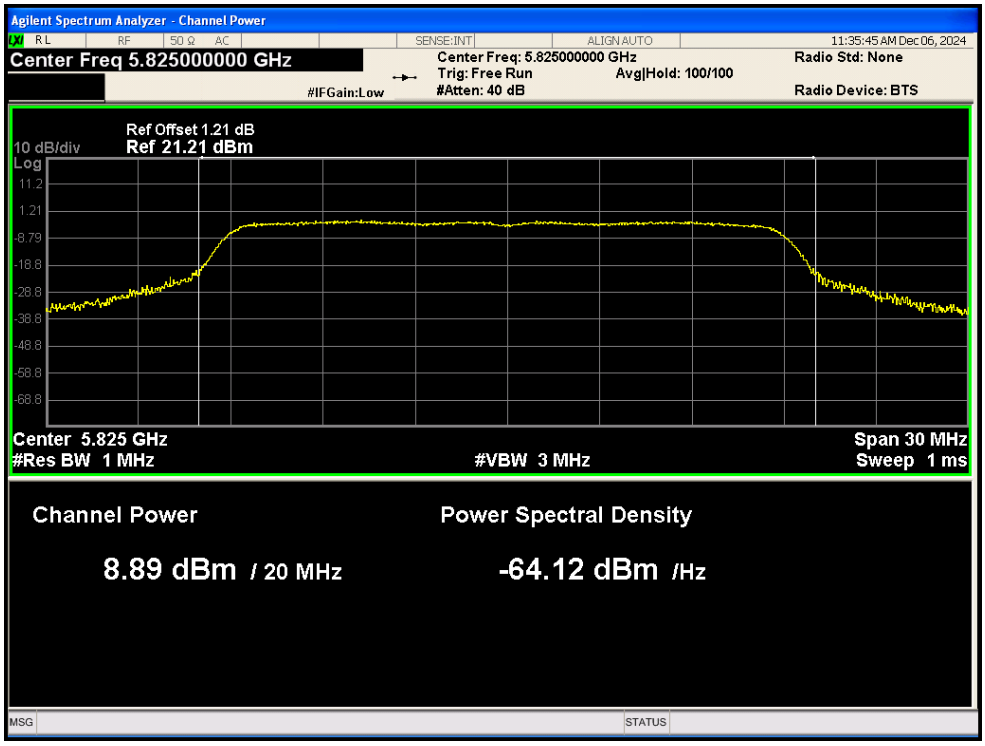
Power NVNT ac20 5745MHz Ant1



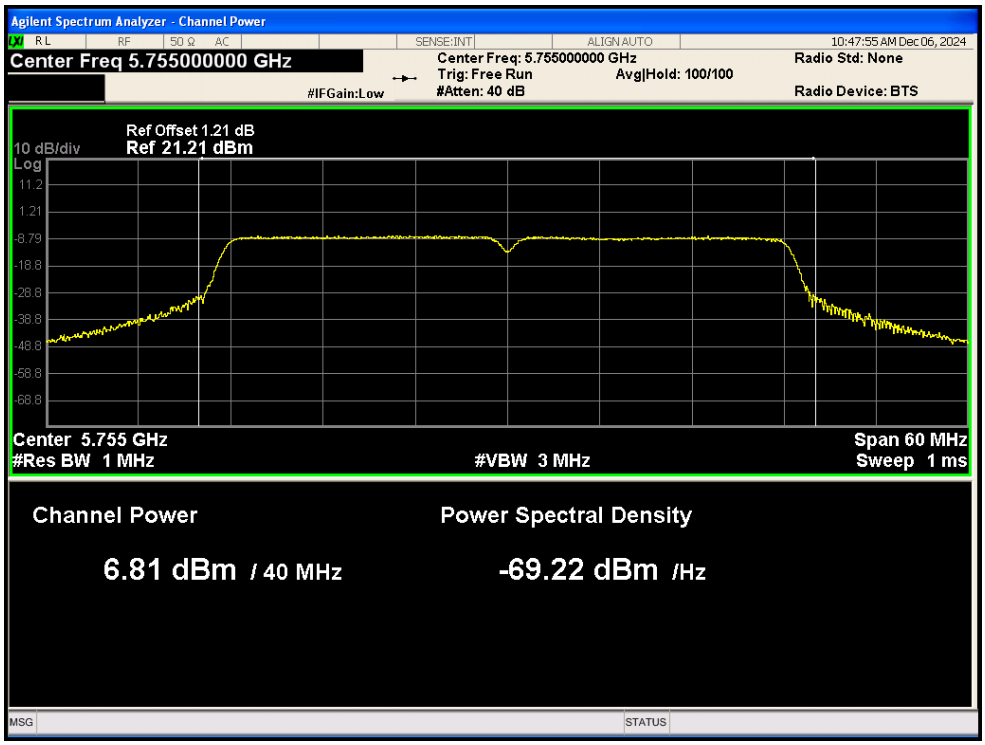
Power NVNT ac20 5785MHz Ant1



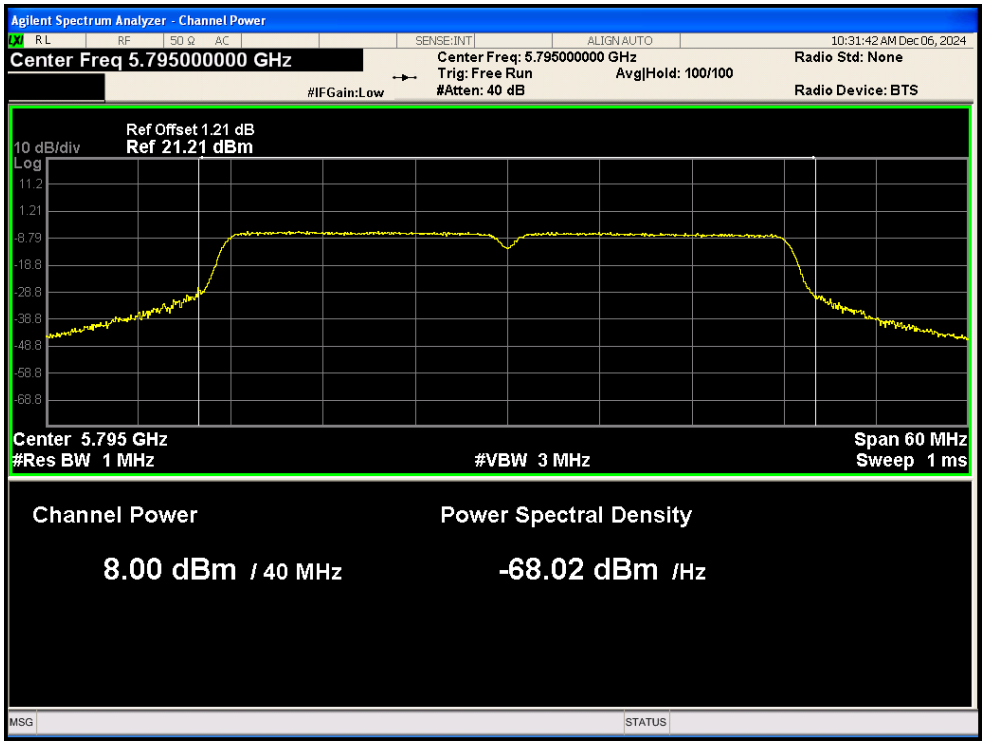
Power NVNT ac20 5825MHz Ant1



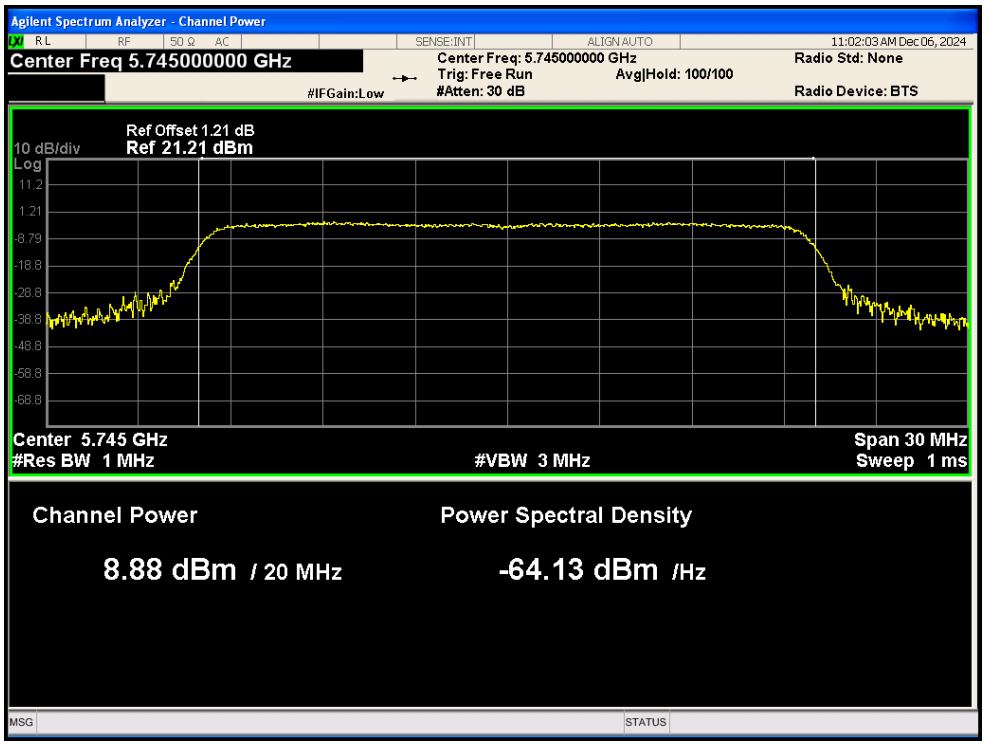
Power NVNT ac40 5755MHz Ant1



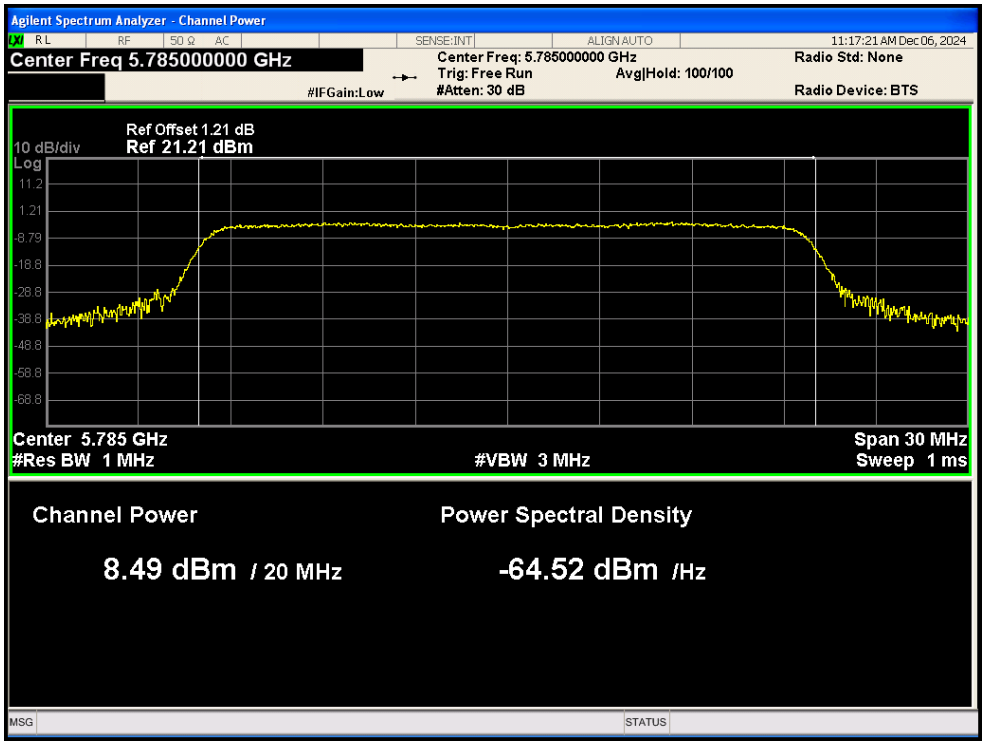
Power NVNT ac40 5795MHz Ant1



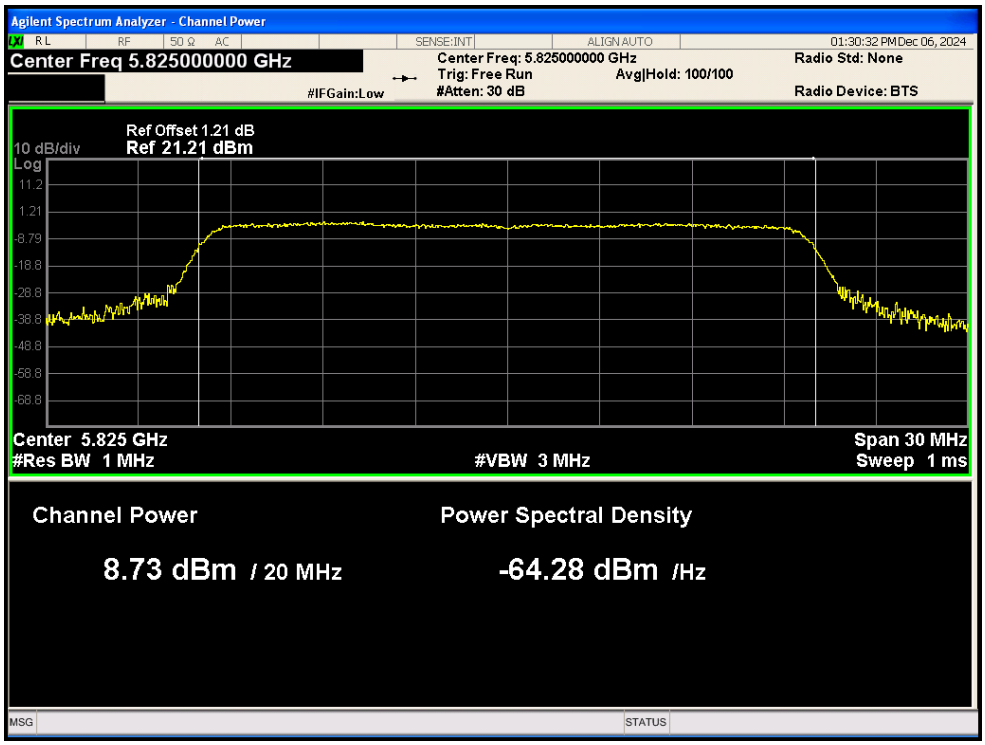
Power NVNT ax20 5745MHz Ant1



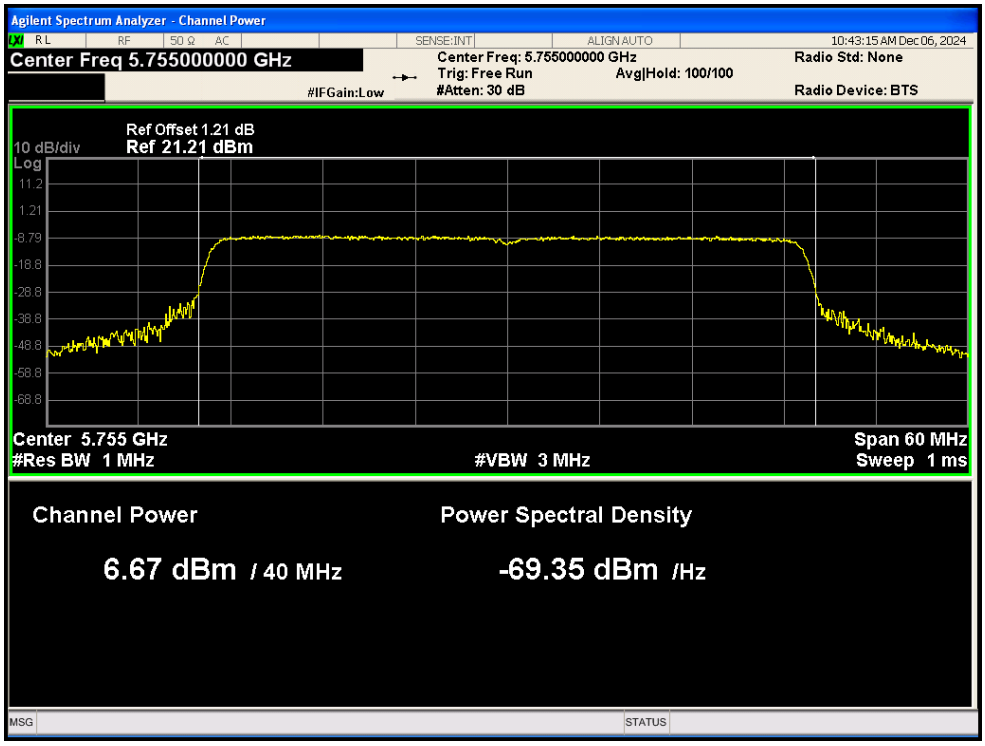
Power NVNT ax20 5785MHz Ant1



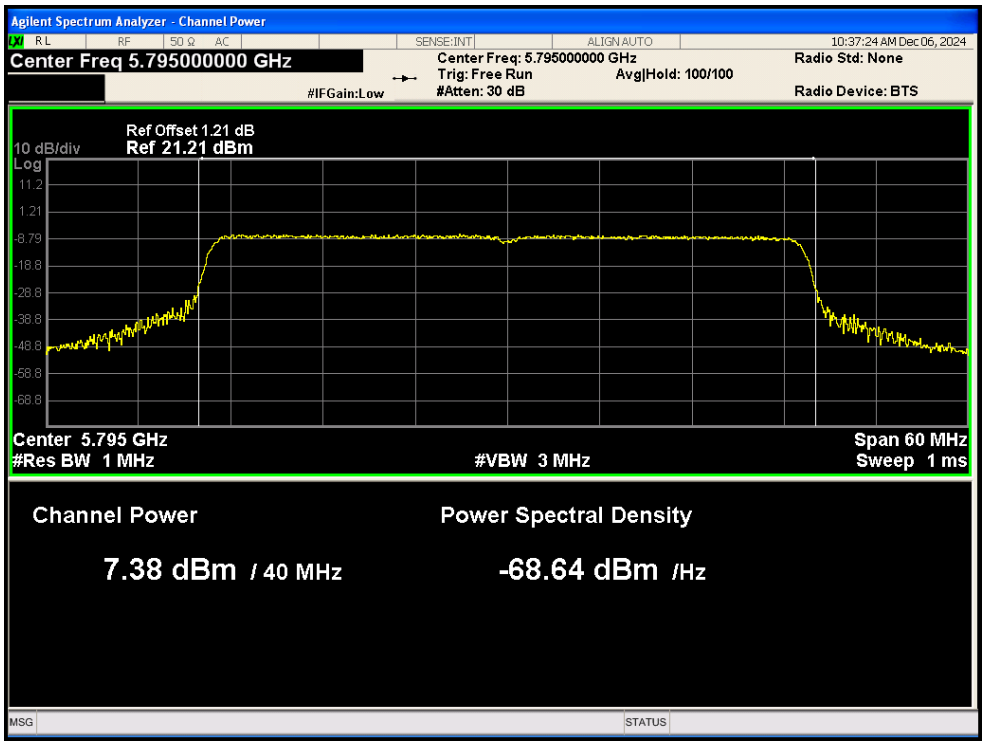
Power NVNT ax20 5825MHz Ant1



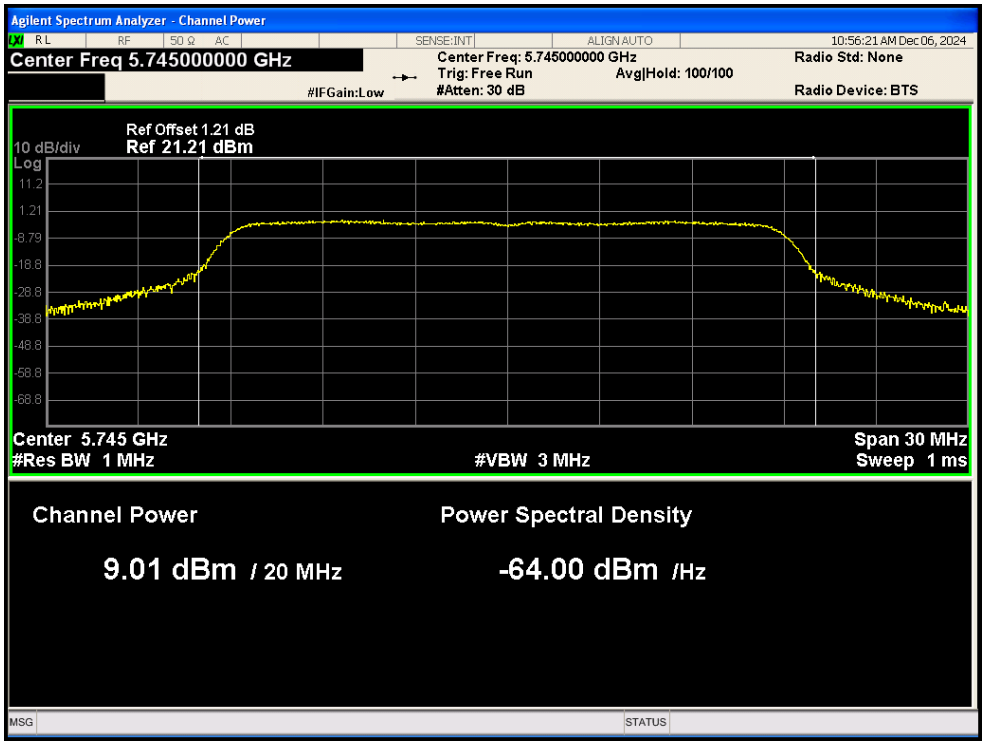
Power NVNT ax40 5755MHz Ant1



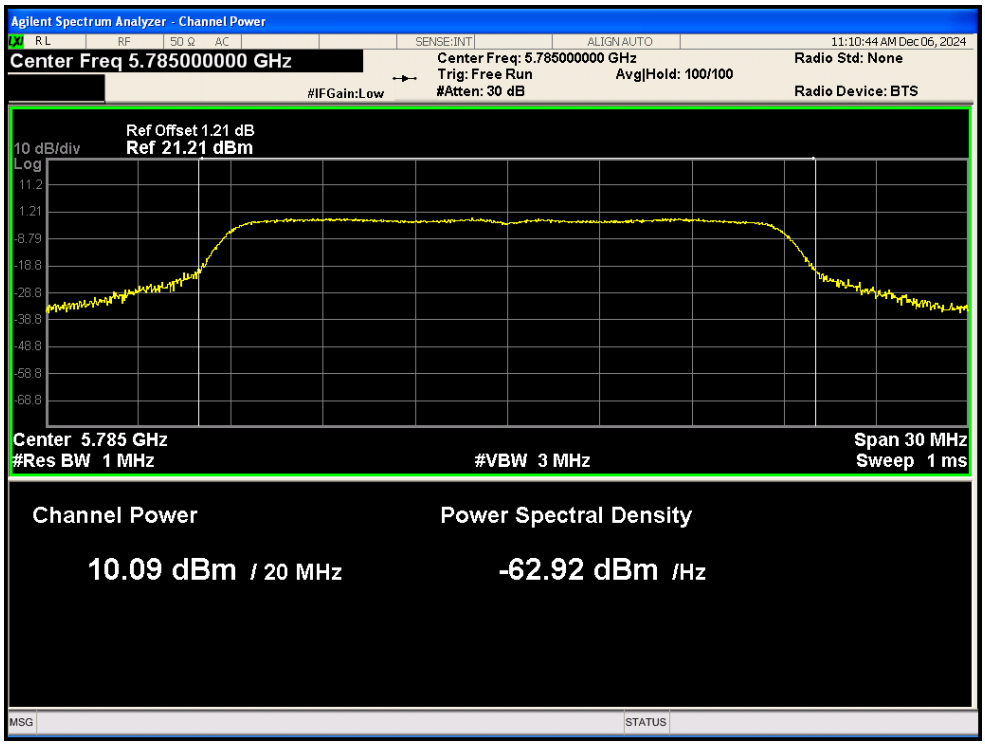
Power NVNT ax40 5795MHz Ant1



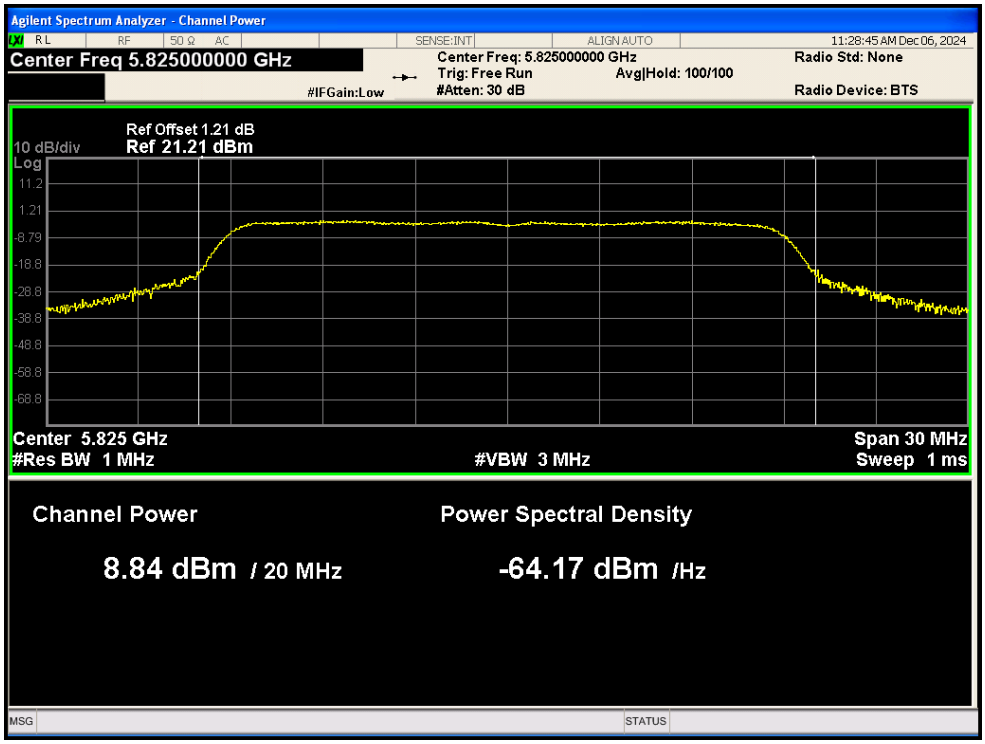
Power NVNT n20 5745MHz Ant1



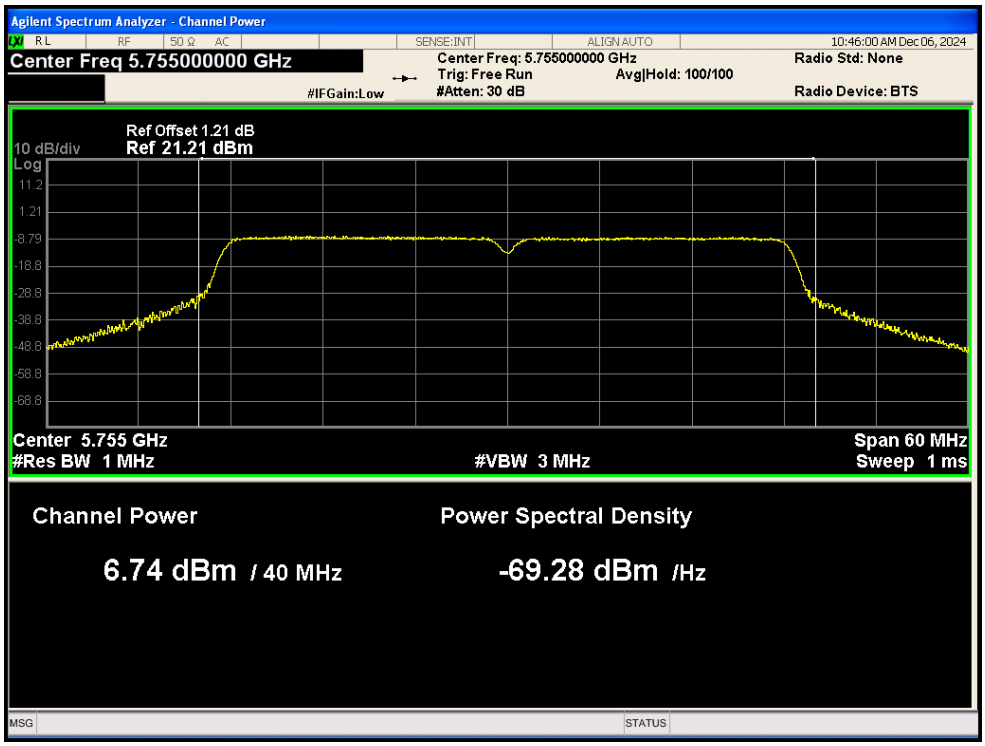
Power NVNT n20 5785MHz Ant1



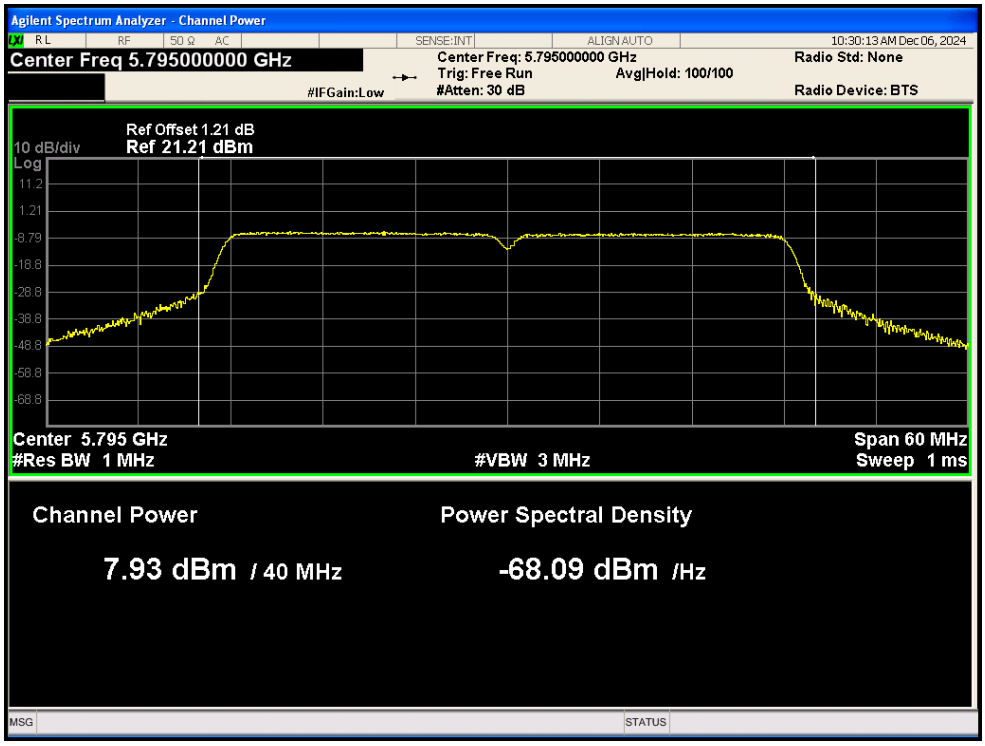
Power NVNT n20 5825MHz Ant1



Power NVNT n40 5755MHz Ant1



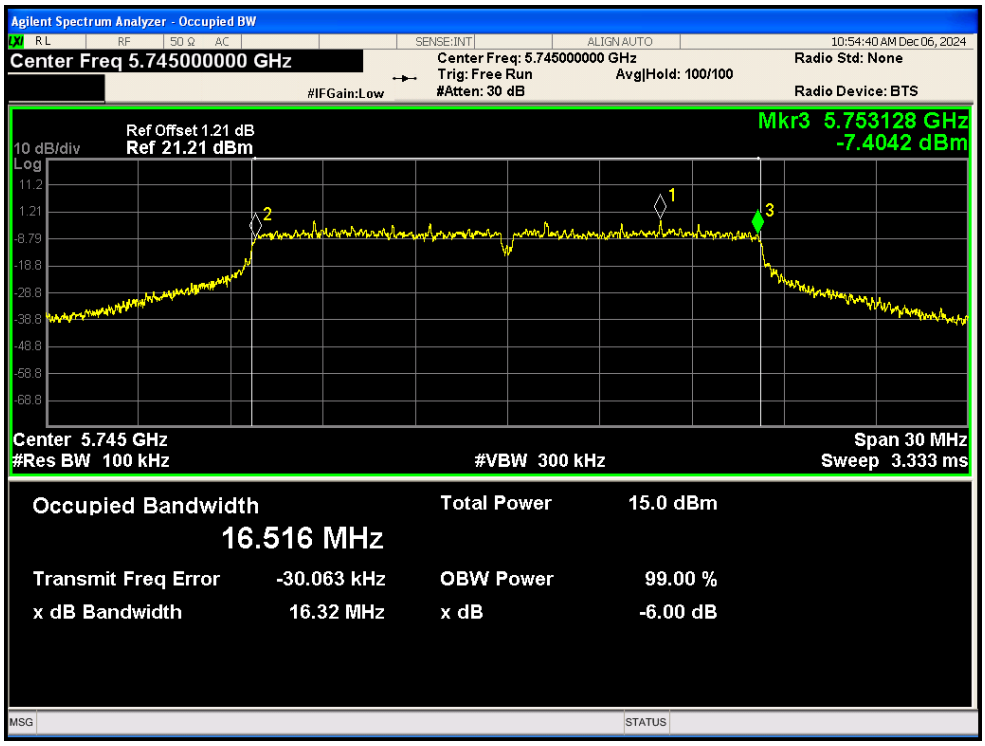
Power NVNT n40 5795MHz Ant1



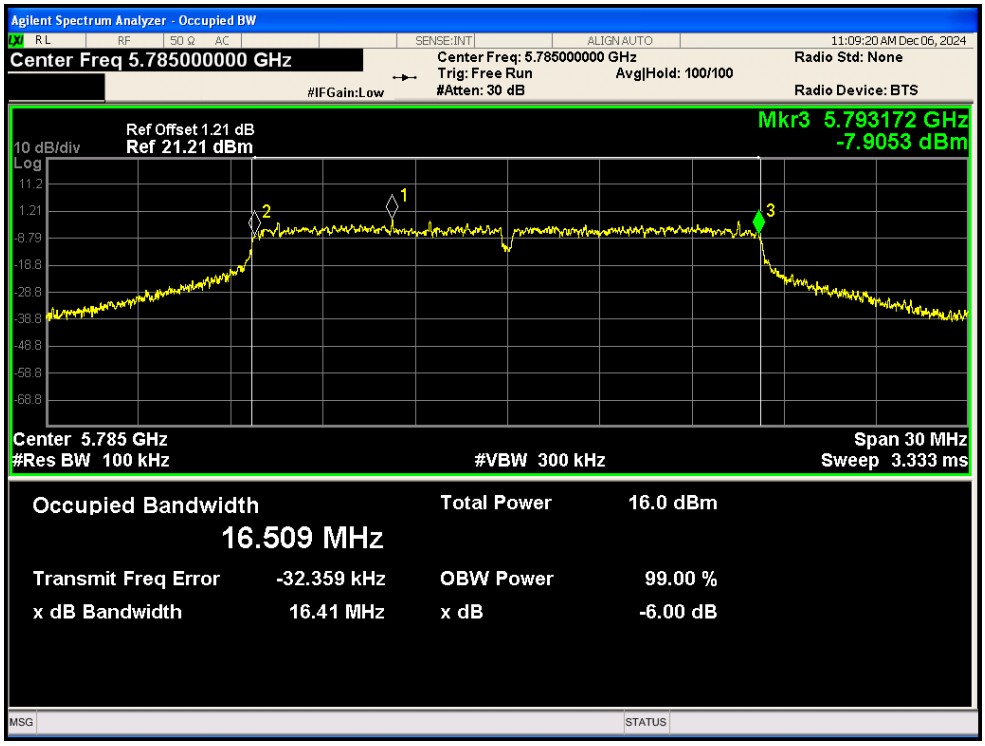
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.315	0.5	Pass
NVNT	a	5785	Ant1	16.41	0.5	Pass
NVNT	a	5825	Ant1	16.319	0.5	Pass
NVNT	ac20	5745	Ant1	17.625	0.5	Pass
NVNT	ac20	5785	Ant1	17.627	0.5	Pass
NVNT	ac20	5825	Ant1	17.626	0.5	Pass
NVNT	ac40	5755	Ant1	36.495	0.5	Pass
NVNT	ac40	5795	Ant1	36.387	0.5	Pass
NVNT	ax20	5745	Ant1	19.131	0.5	Pass
NVNT	ax20	5785	Ant1	19.07	0.5	Pass
NVNT	ax20	5825	Ant1	19.009	0.5	Pass
NVNT	ax40	5755	Ant1	38.002	0.5	Pass
NVNT	ax40	5795	Ant1	38.073	0.5	Pass
NVNT	n20	5745	Ant1	17.632	0.5	Pass
NVNT	n20	5785	Ant1	17.633	0.5	Pass
NVNT	n20	5825	Ant1	17.634	0.5	Pass
NVNT	n40	5755	Ant1	36.349	0.5	Pass
NVNT	n40	5795	Ant1	36.295	0.5	Pass

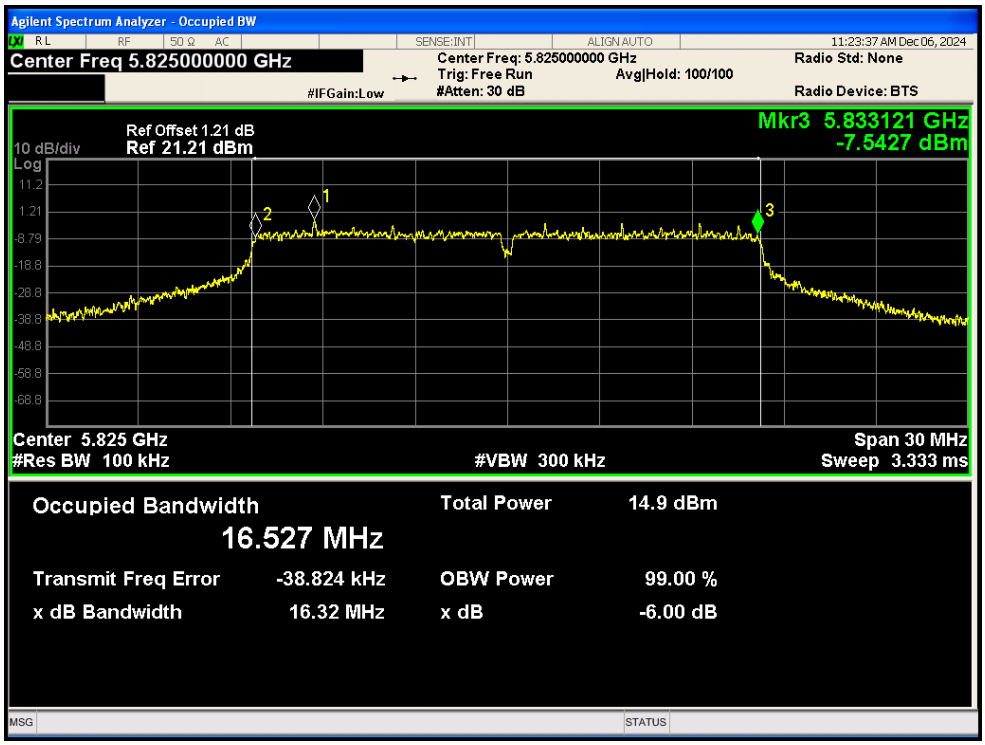
-6dB Bandwidth NVNT a 5745MHz Ant1



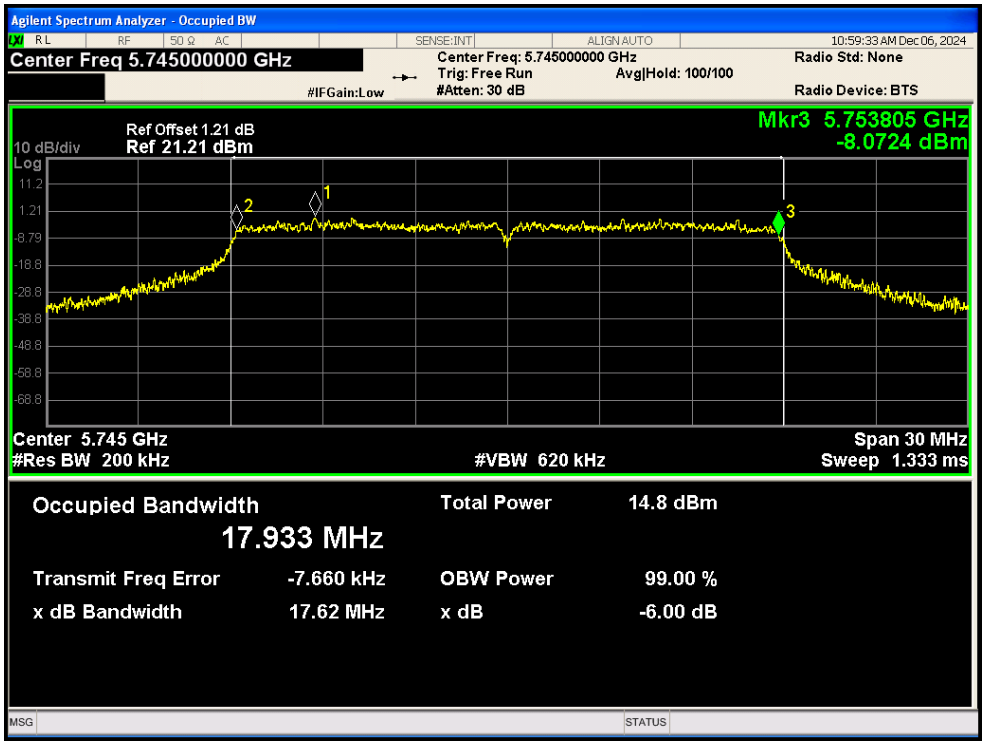
-6dB Bandwidth NVNT a 5785MHz Ant1



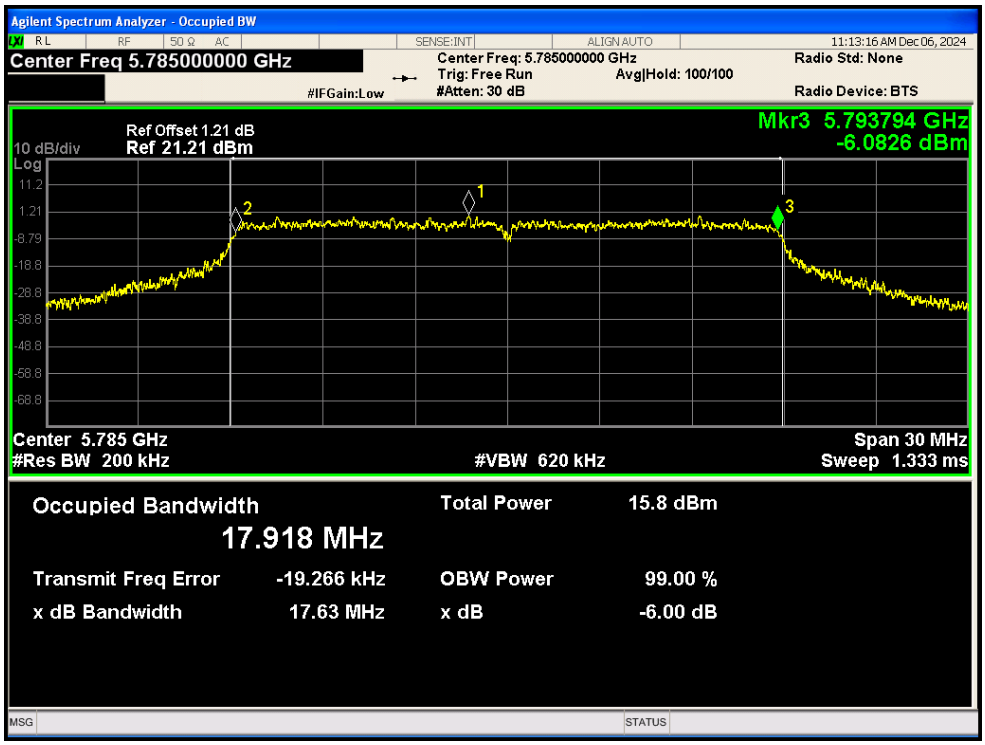
-6dB Bandwidth NVNT a 5825MHz Ant1



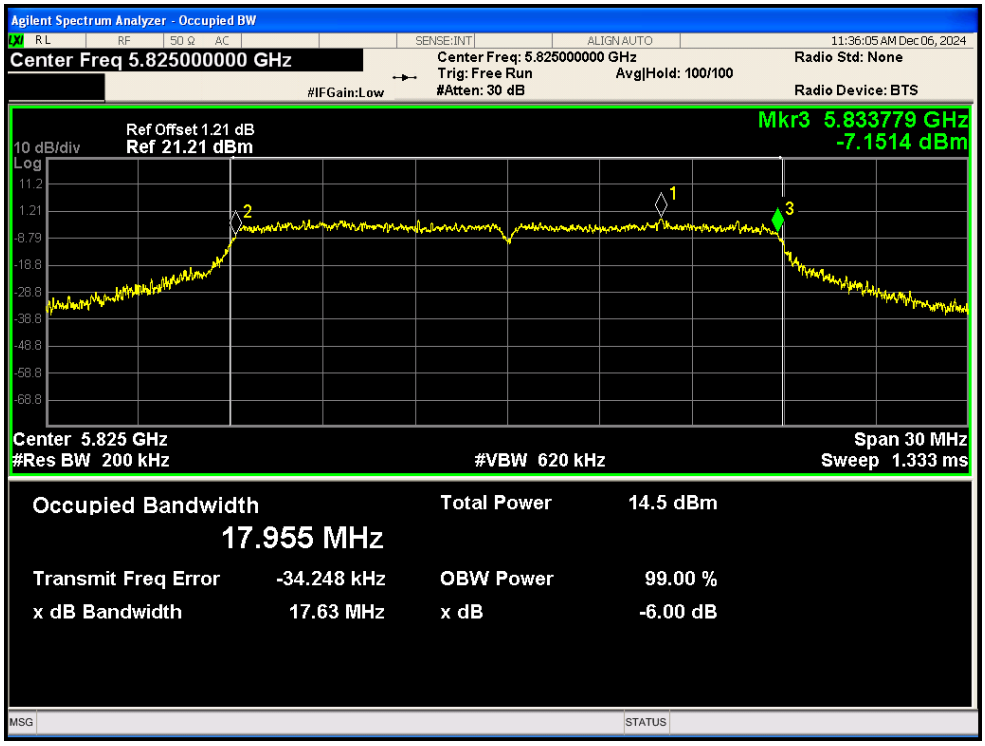
-6dB Bandwidth NVNT ac20 5745MHz Ant1



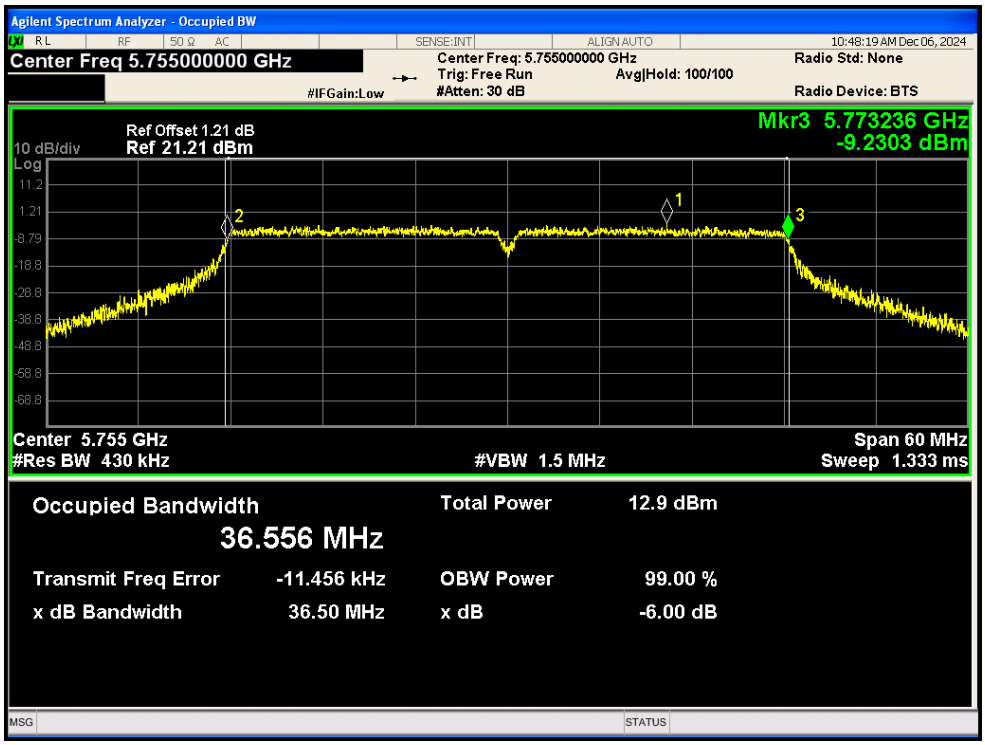
-6dB Bandwidth NVNT ac20 5785MHz Ant1



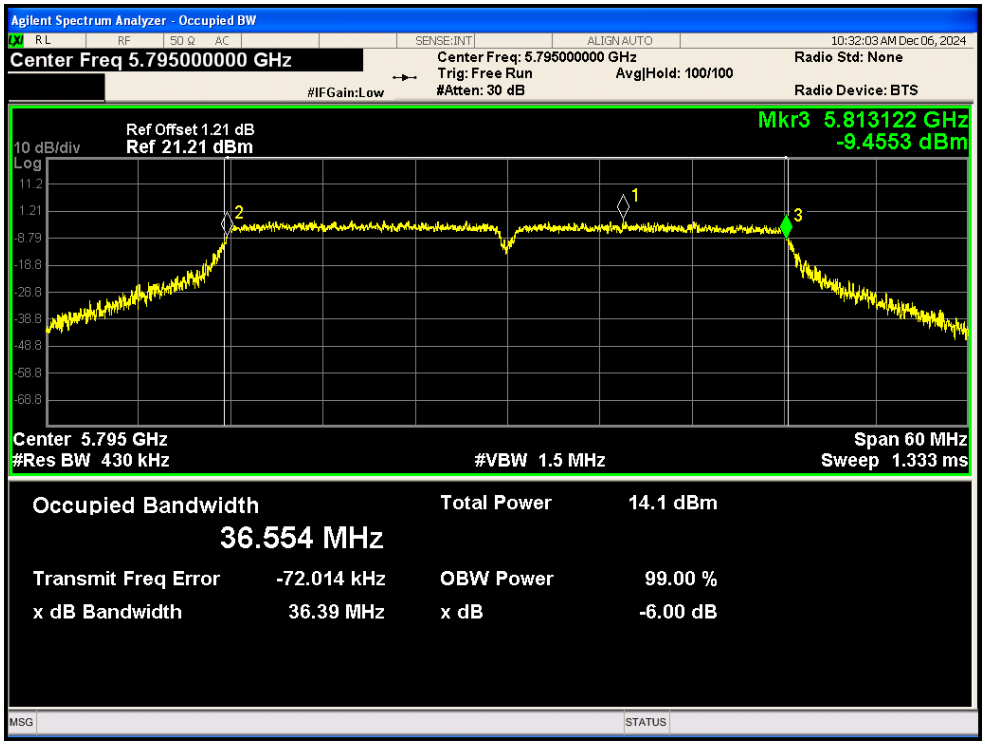
-6dB Bandwidth NVNT ac20 5825MHz Ant1



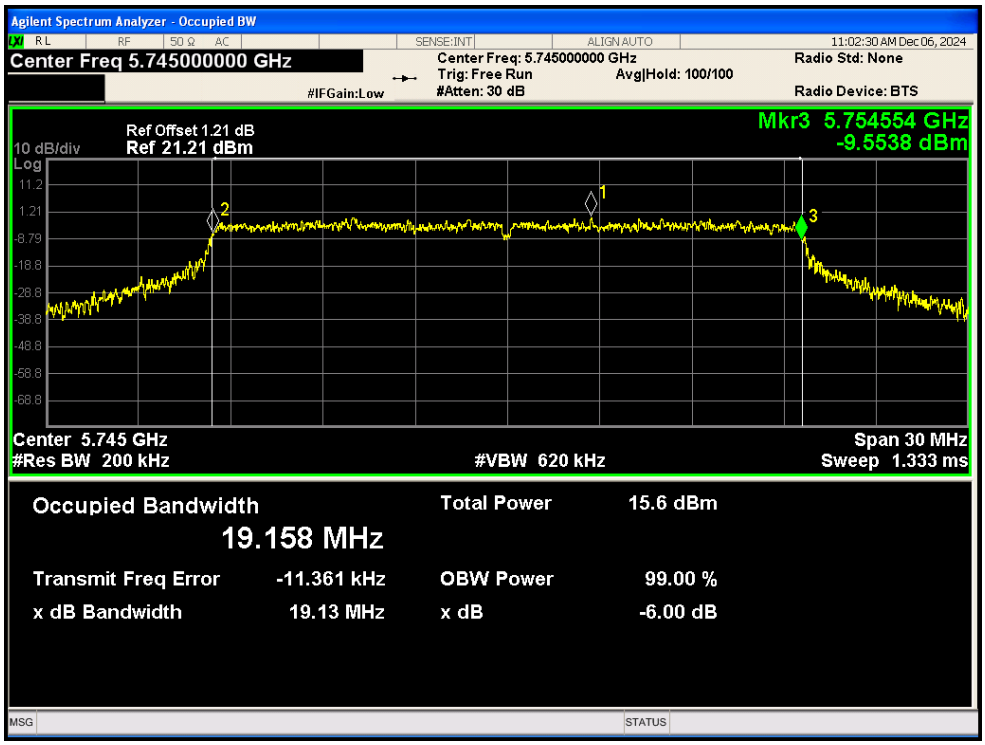
-6dB Bandwidth NVNT ac40 5755MHz Ant1



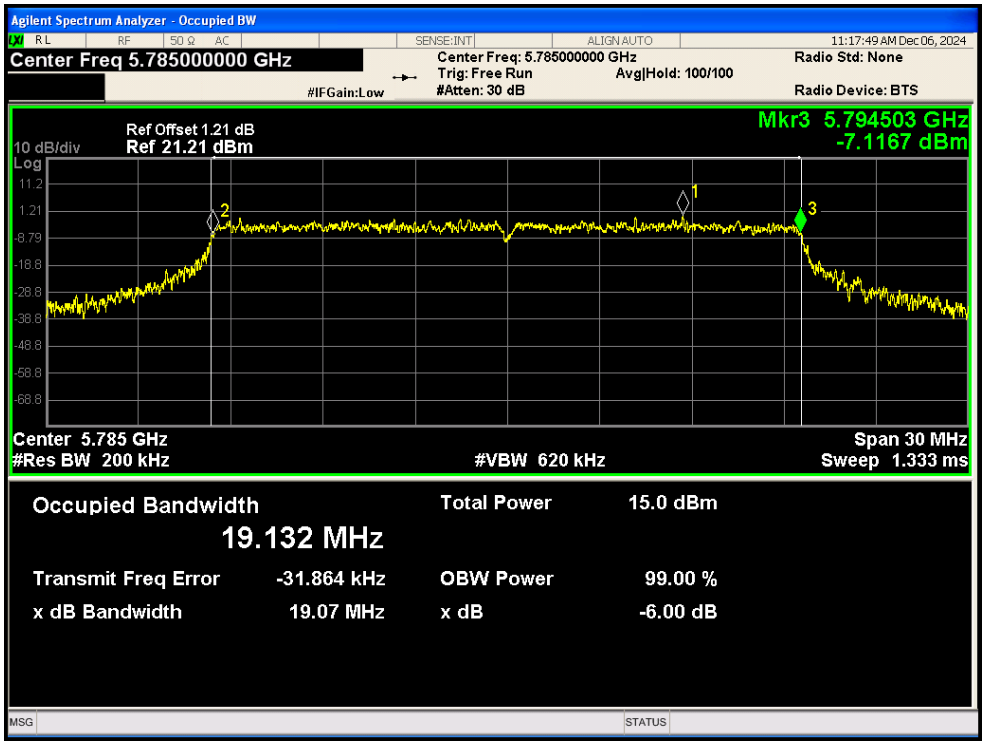
-6dB Bandwidth NVNT ac40 5795MHz Ant1



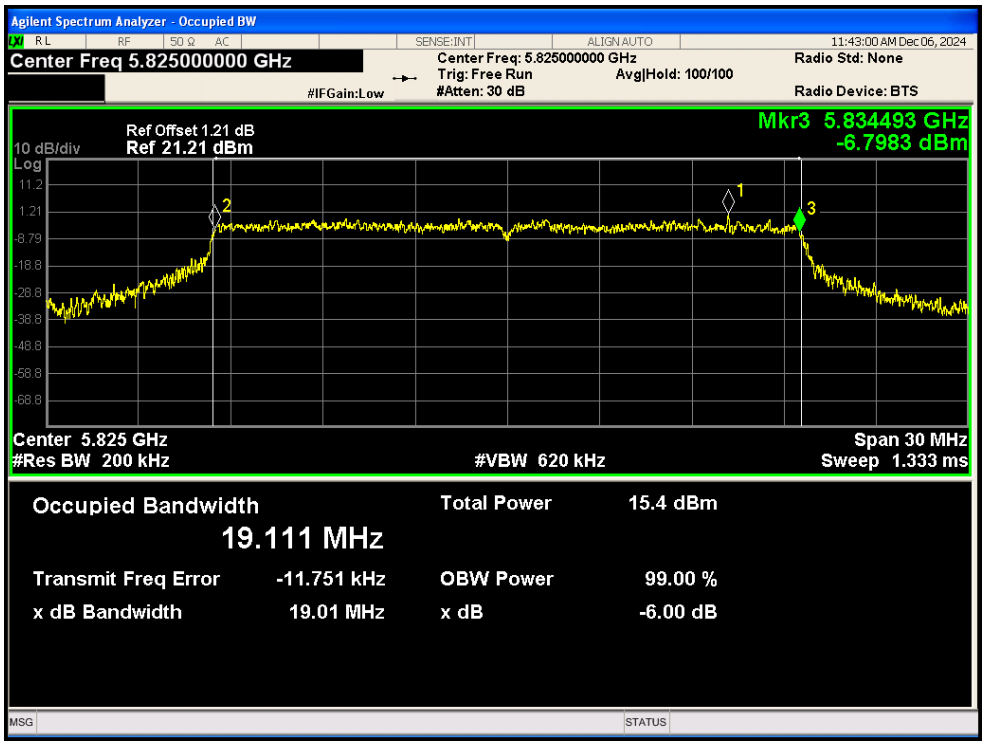
-6dB Bandwidth NVNT ax20 5745MHz Ant1



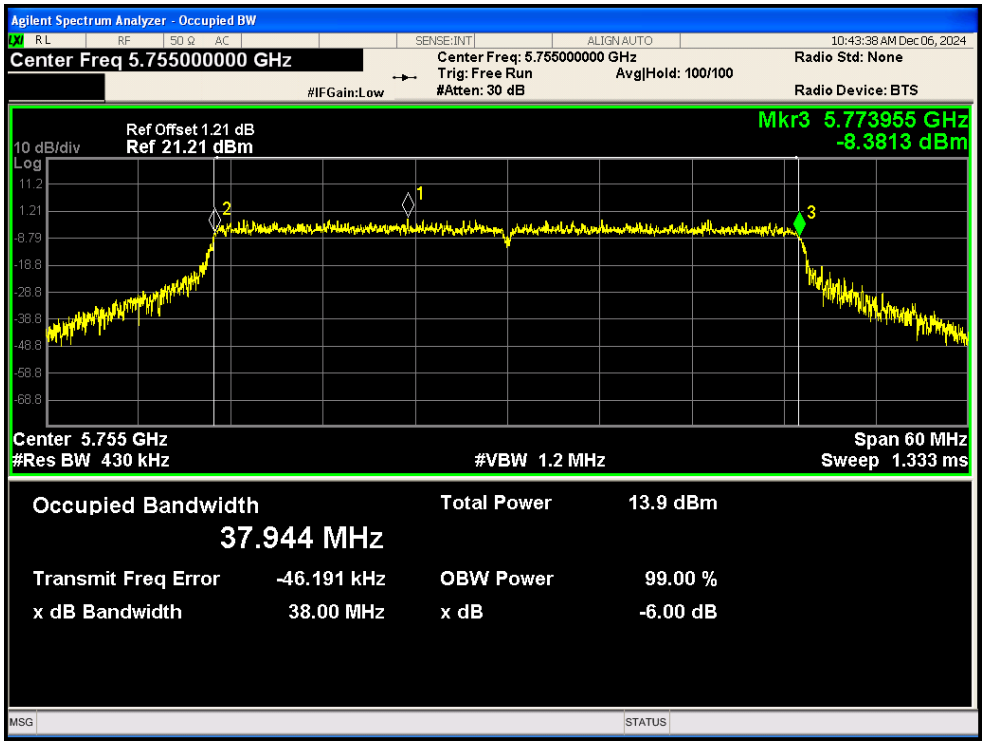
-6dB Bandwidth NVNT ax20 5785MHz Ant1



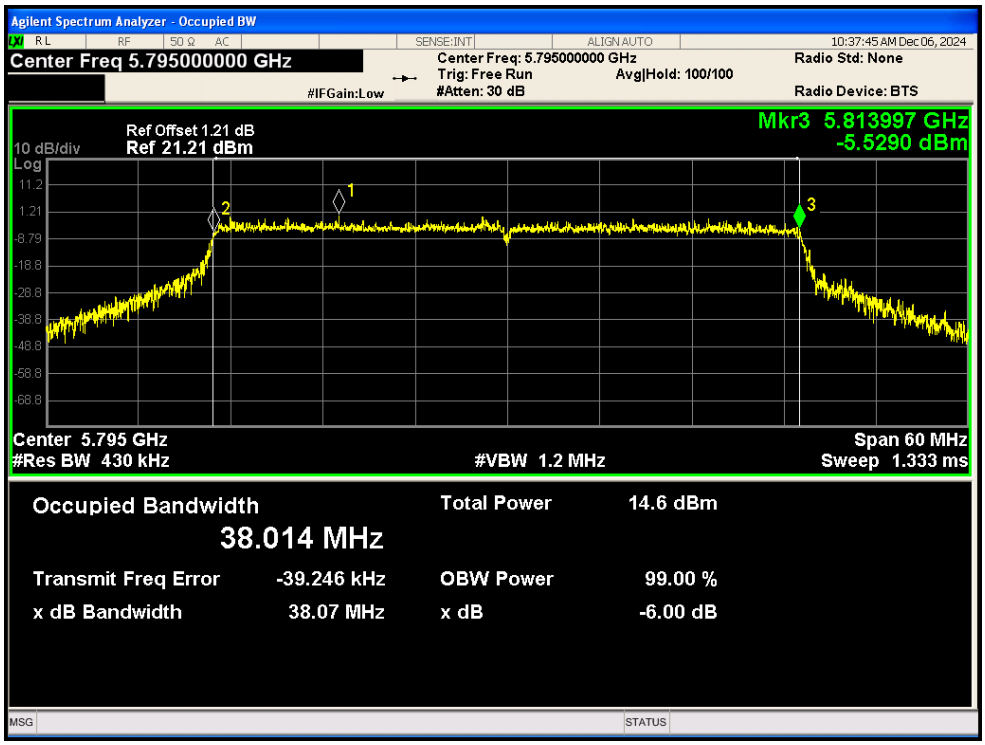
-6dB Bandwidth NVNT ax20 5825MHz Ant1



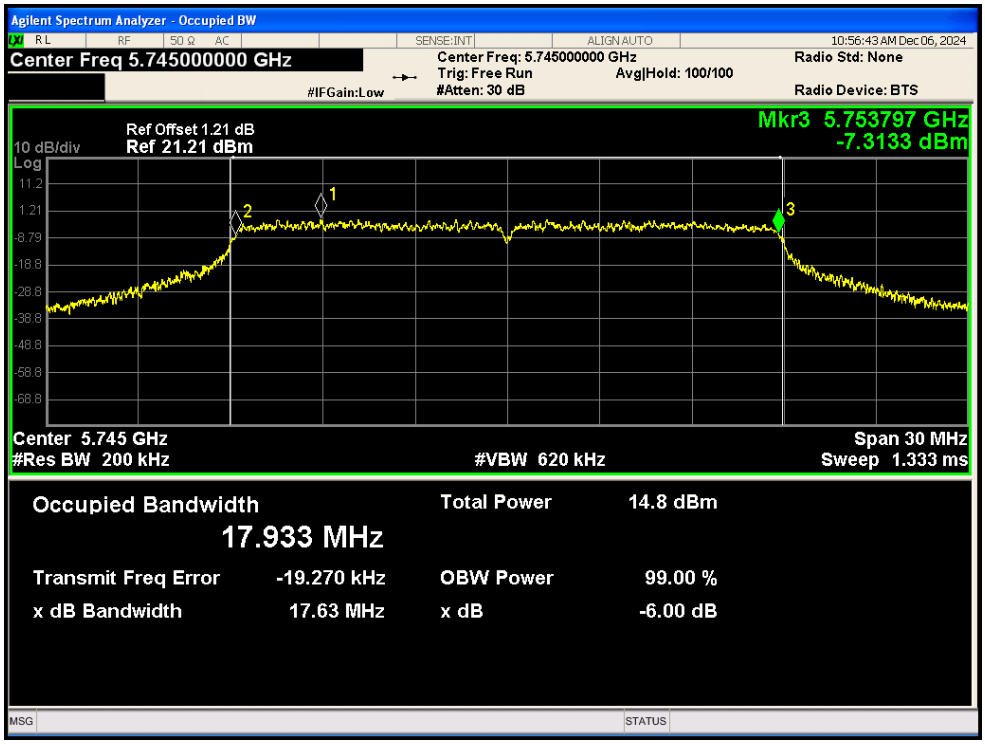
-6dB Bandwidth NVNT ax40 5755MHz Ant1



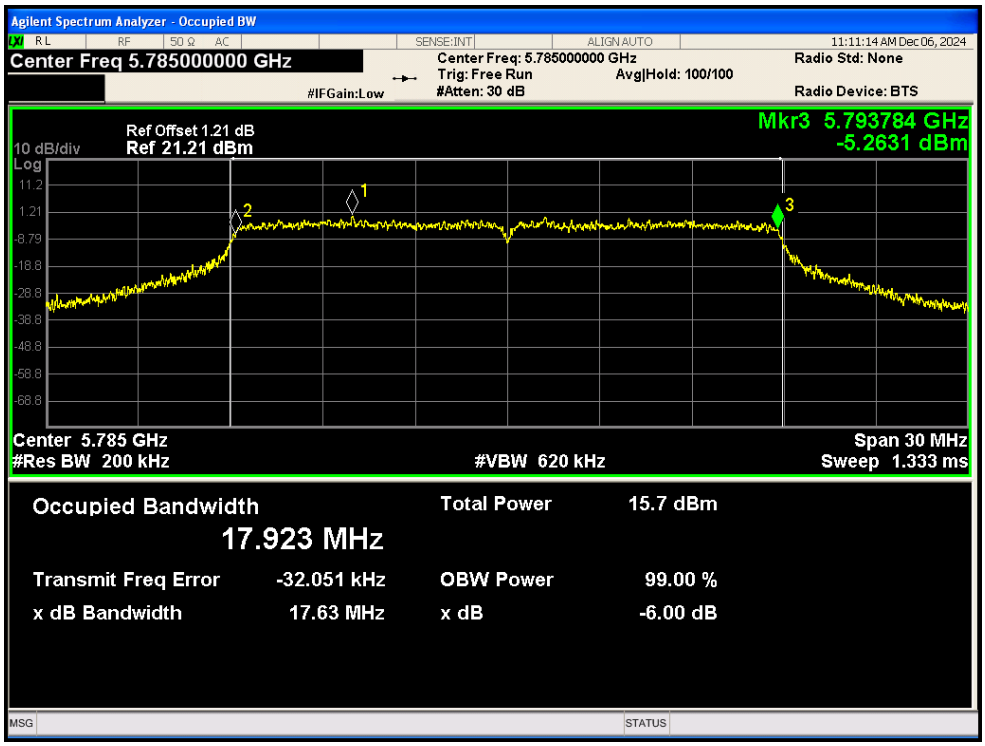
-6dB Bandwidth NVNT ax40 5795MHz Ant1



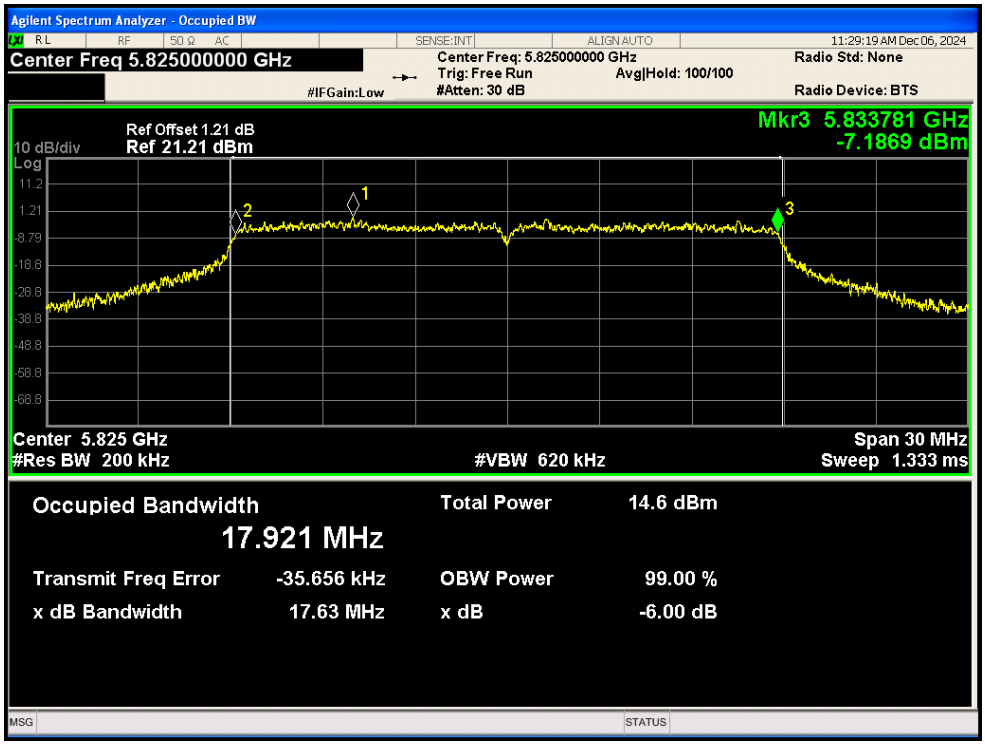
-6dB Bandwidth NVNT n20 5745MHz Ant1



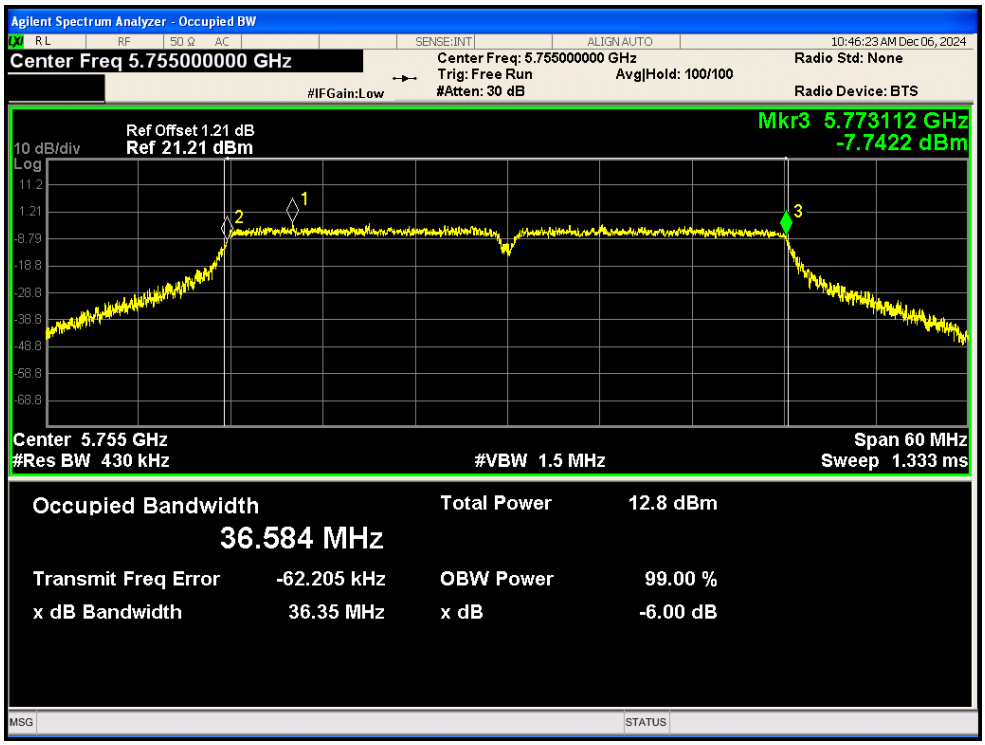
-6dB Bandwidth NVNT n20 5785MHz Ant1



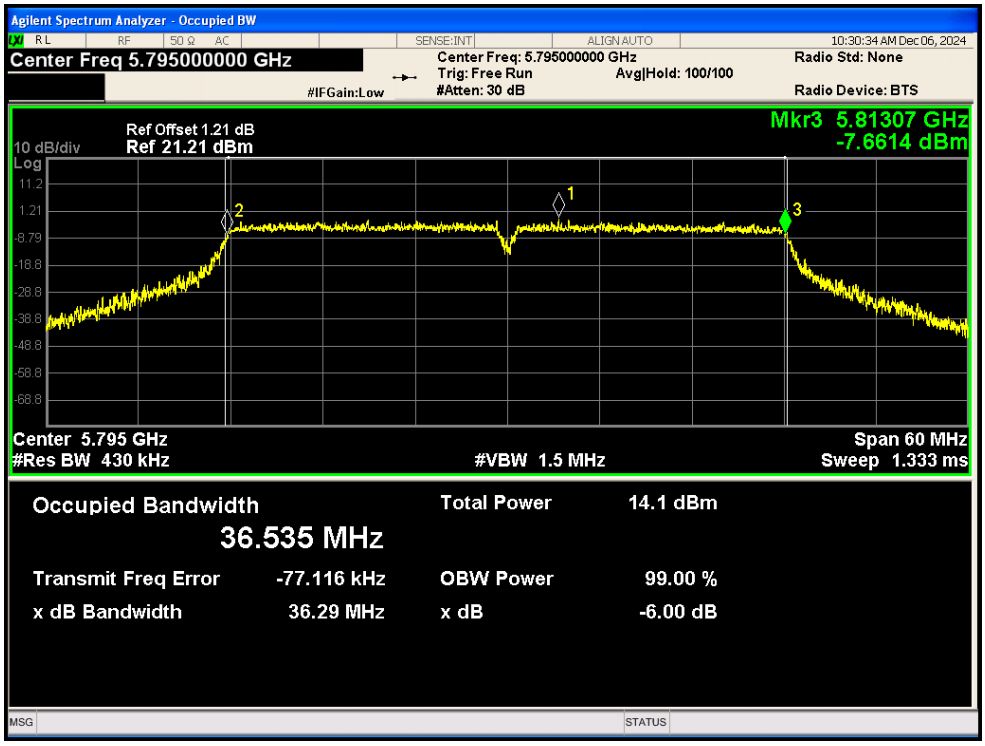
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



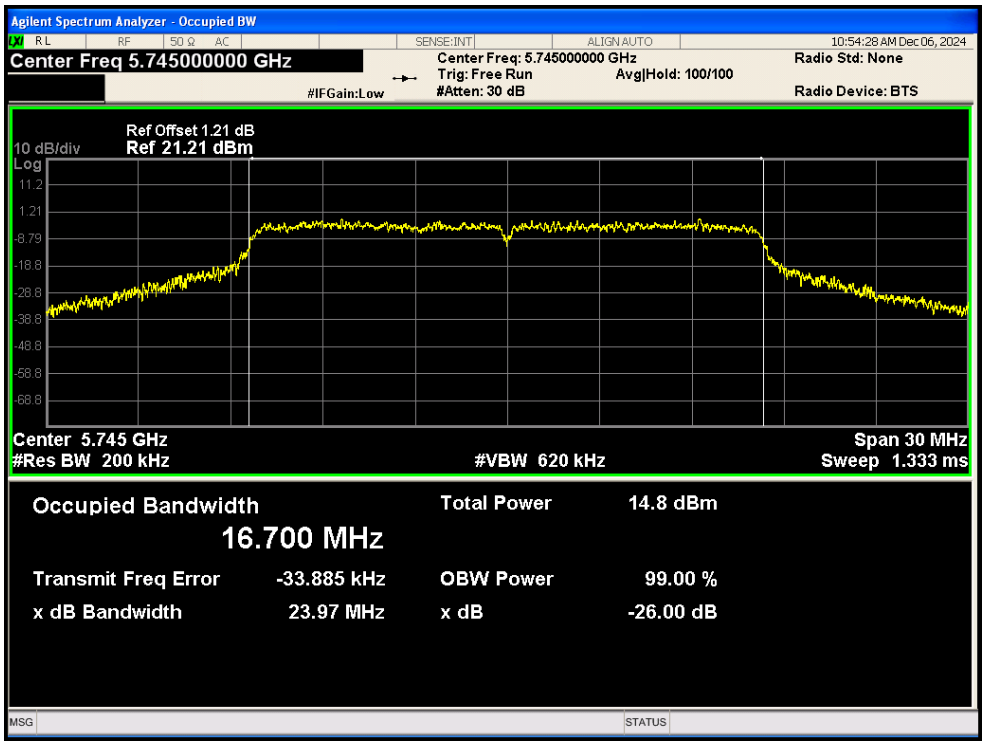
-6dB Bandwidth NVNT n40 5795MHz Ant1



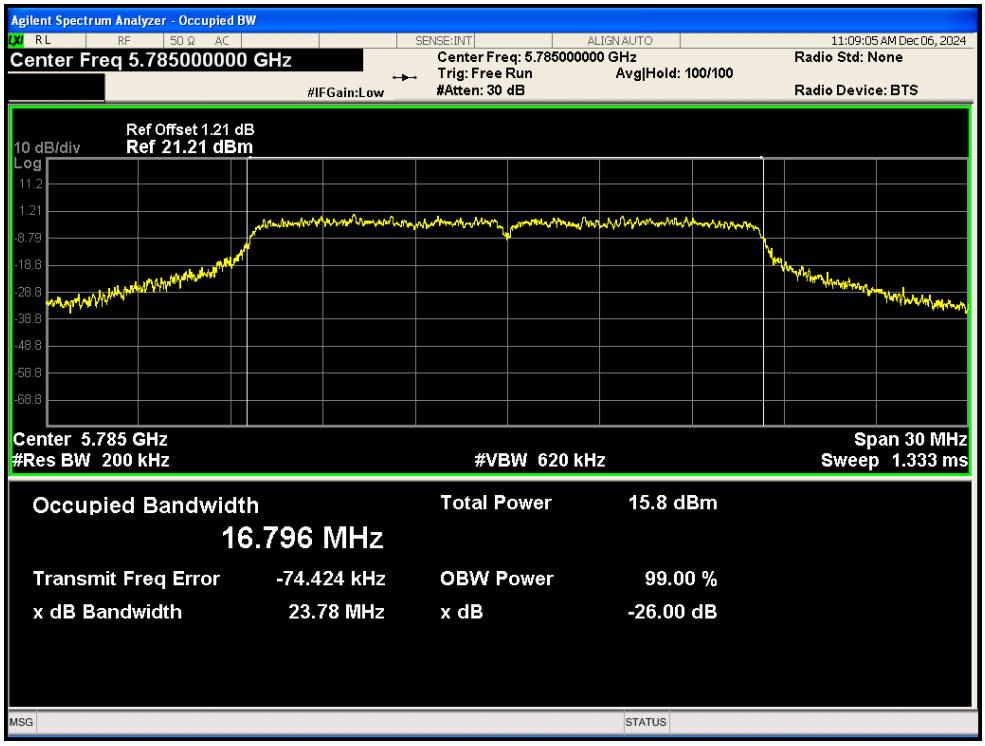
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.7
NVNT	a	5785	Ant1	16.796
NVNT	a	5825	Ant1	16.776
NVNT	ac20	5745	Ant1	17.932
NVNT	ac20	5785	Ant1	17.965
NVNT	ac20	5825	Ant1	17.911
NVNT	ac40	5755	Ant1	36.569
NVNT	ac40	5795	Ant1	36.574
NVNT	ax20	5745	Ant1	19.145
NVNT	ax20	5785	Ant1	19.104
NVNT	ax20	5825	Ant1	19.11
NVNT	ax40	5755	Ant1	37.967
NVNT	ax40	5795	Ant1	37.913
NVNT	n20	5745	Ant1	17.905
NVNT	n20	5785	Ant1	17.91
NVNT	n20	5825	Ant1	17.926
NVNT	n40	5755	Ant1	36.555
NVNT	n40	5795	Ant1	36.513

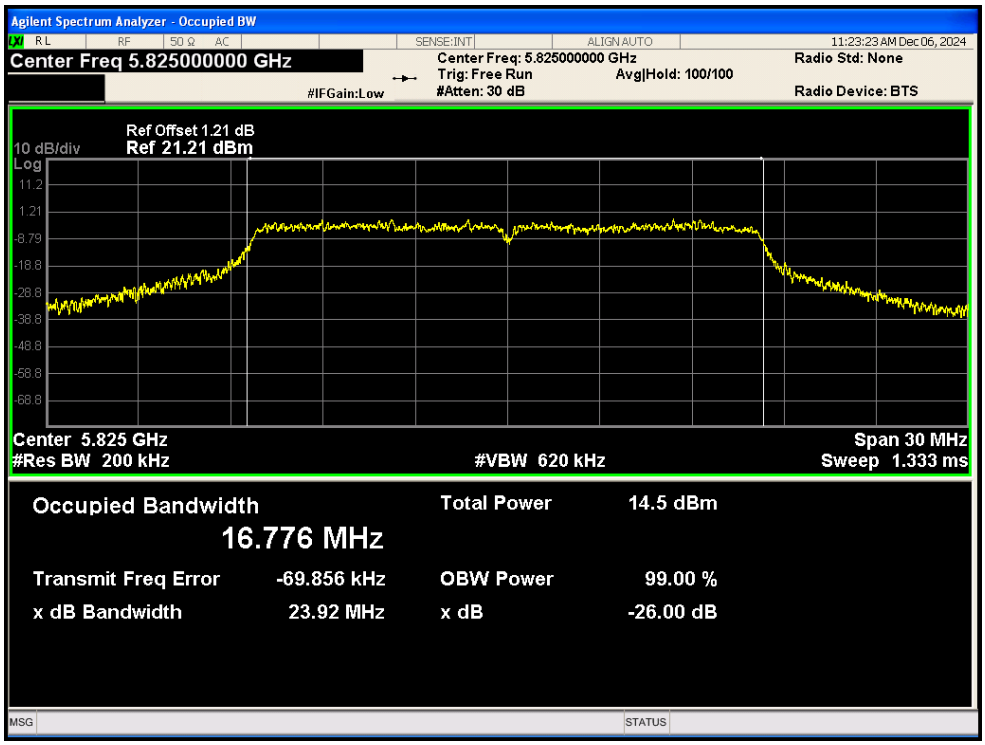
OBW NVNT a 5745MHz Ant1



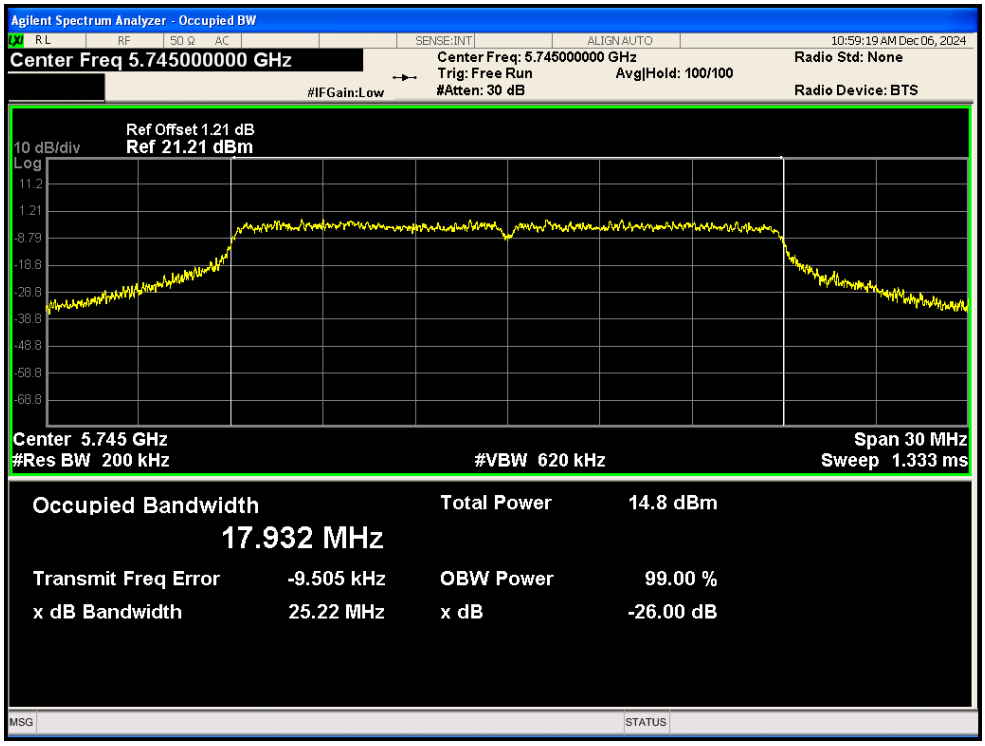
OBW NVNT a 5785MHz Ant1



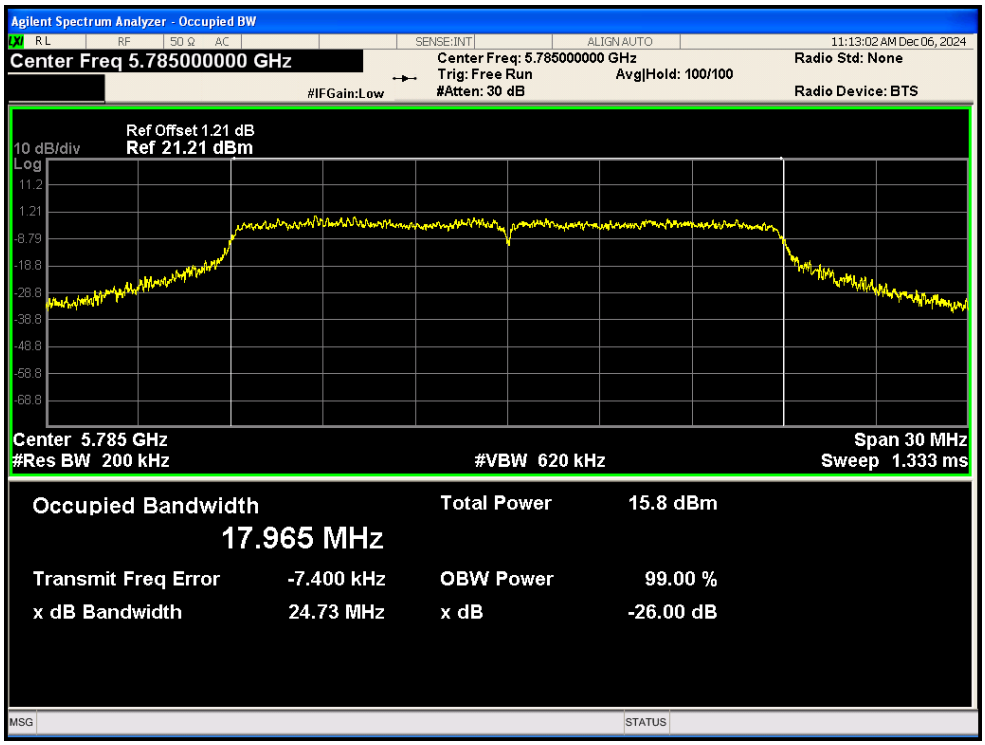
OBW NVNT a 5825MHz Ant1



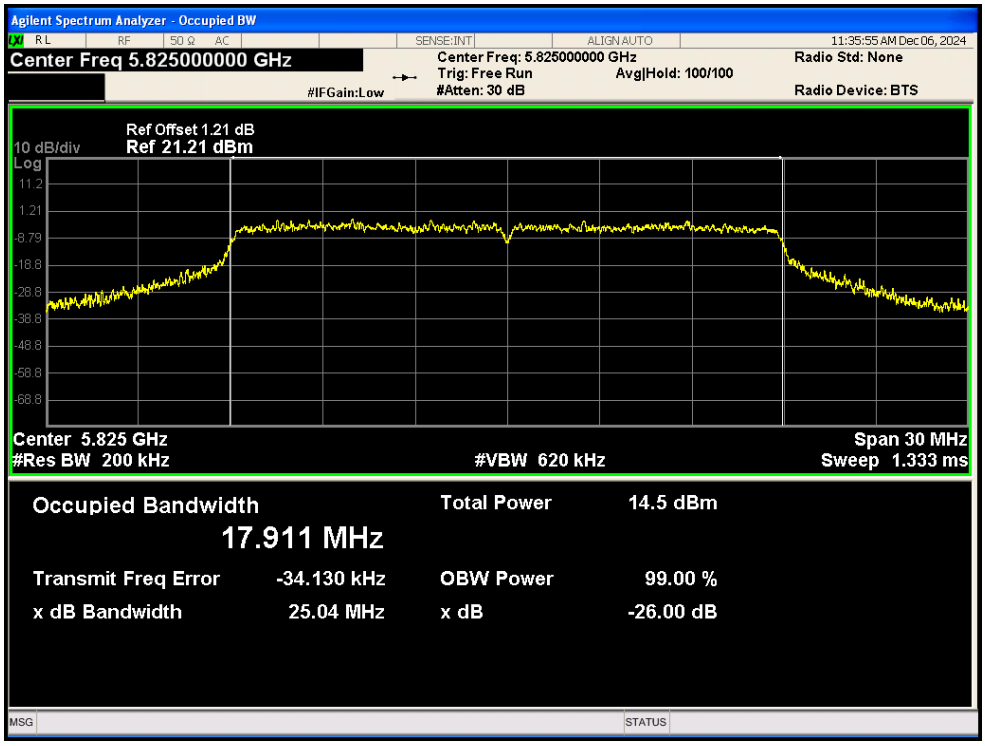
OBW NVNT ac20 5745MHz Ant1



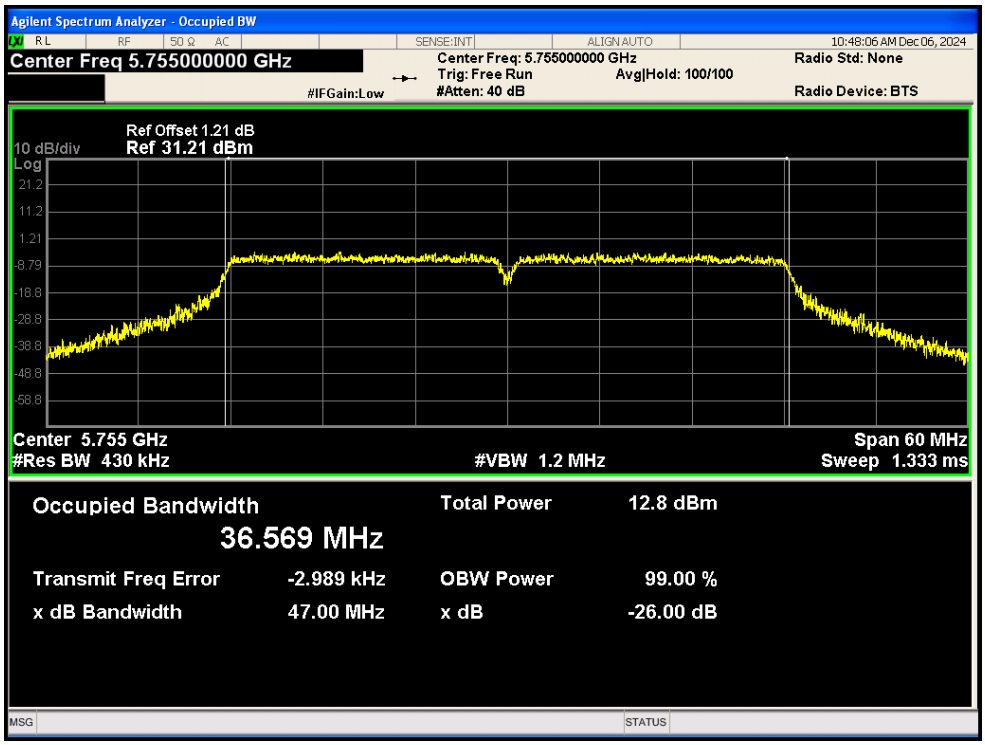
OBW NVNT ac20 5785MHz Ant1



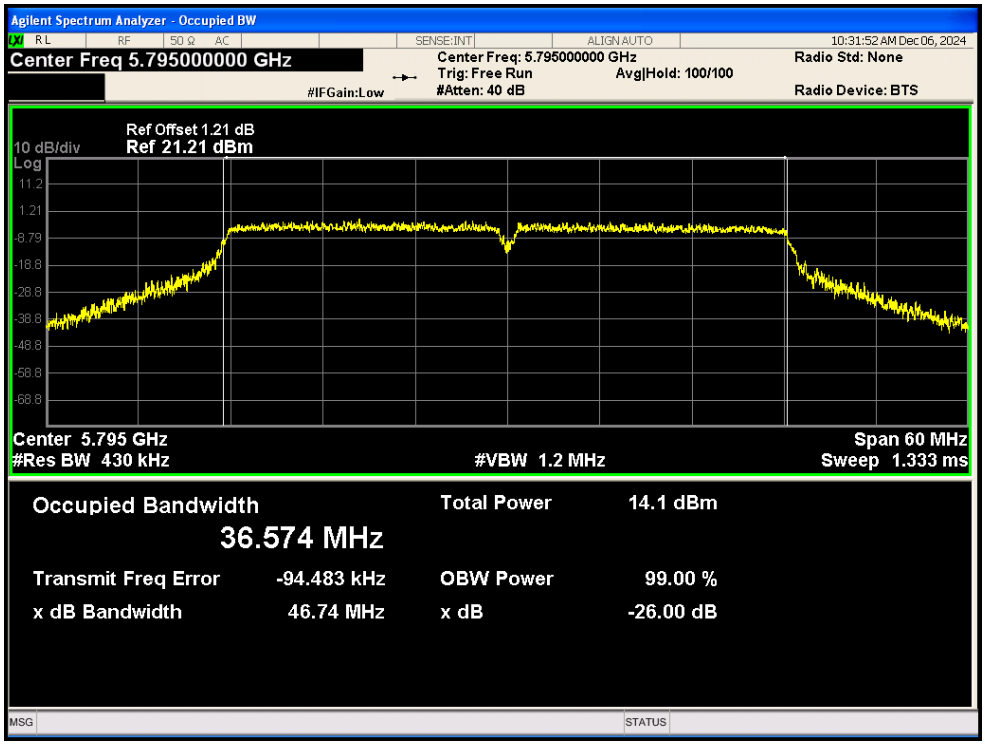
OBW NVNT ac20 5825MHz Ant1



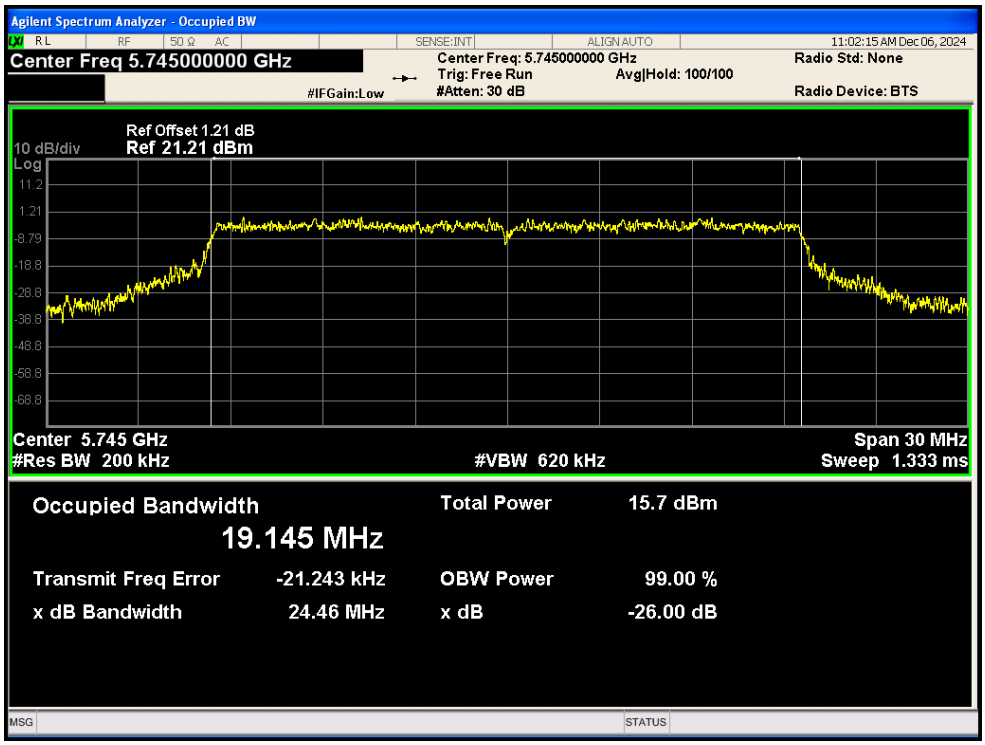
OBW NVNT ac40 5755MHz Ant1



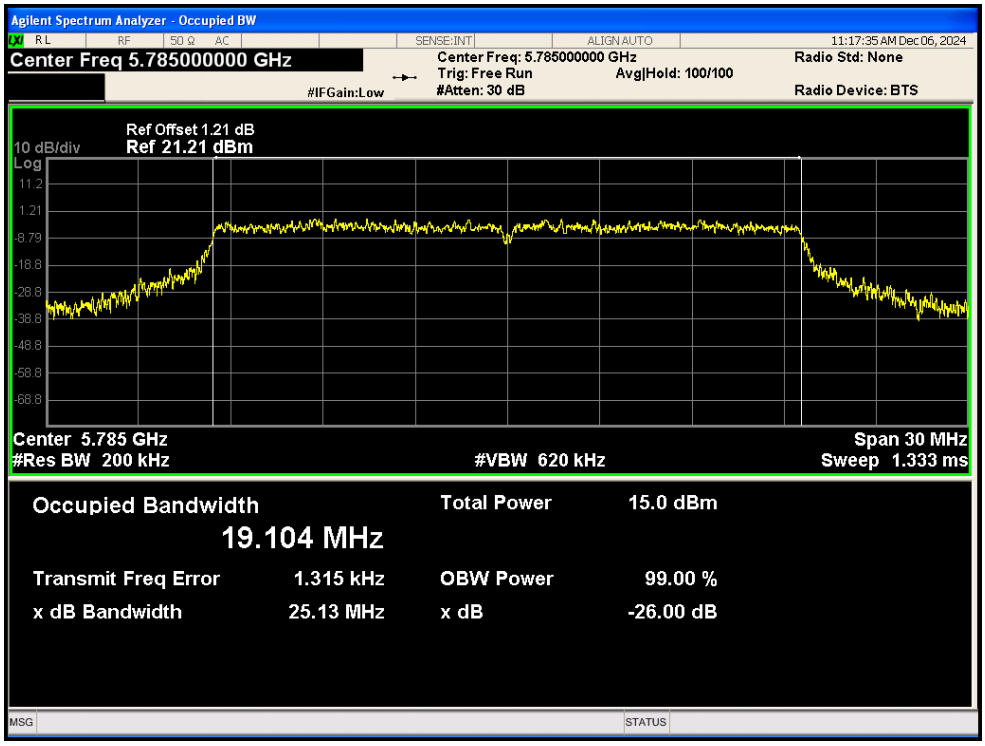
OBW NVNT ac40 5795MHz Ant1



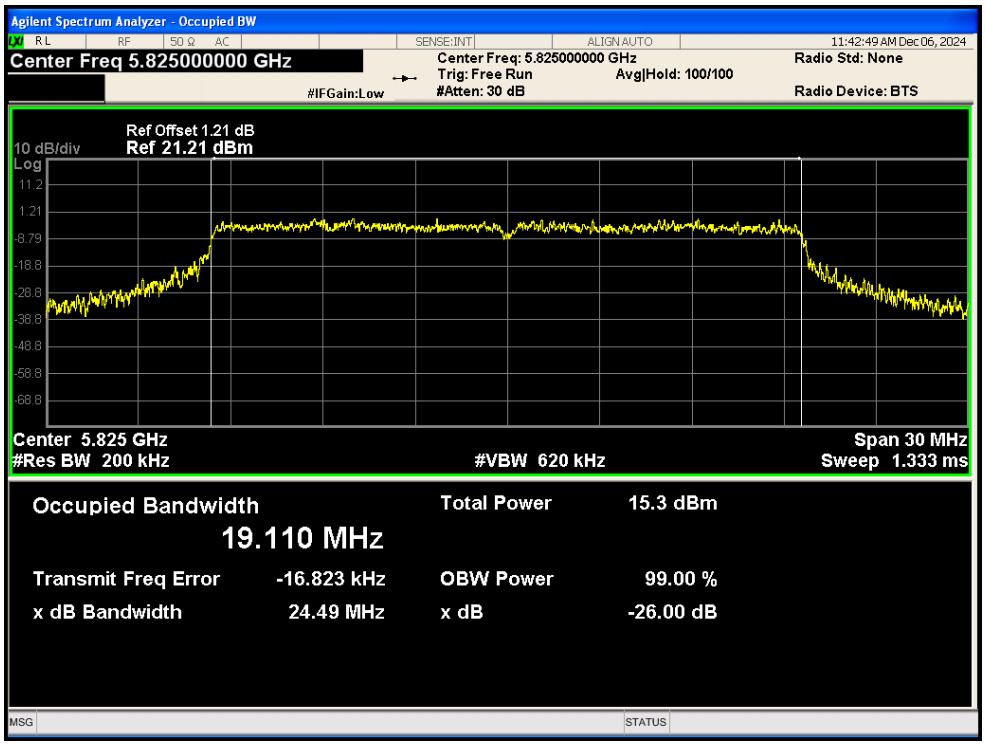
OBW NVNT ax20 5745MHz Ant1



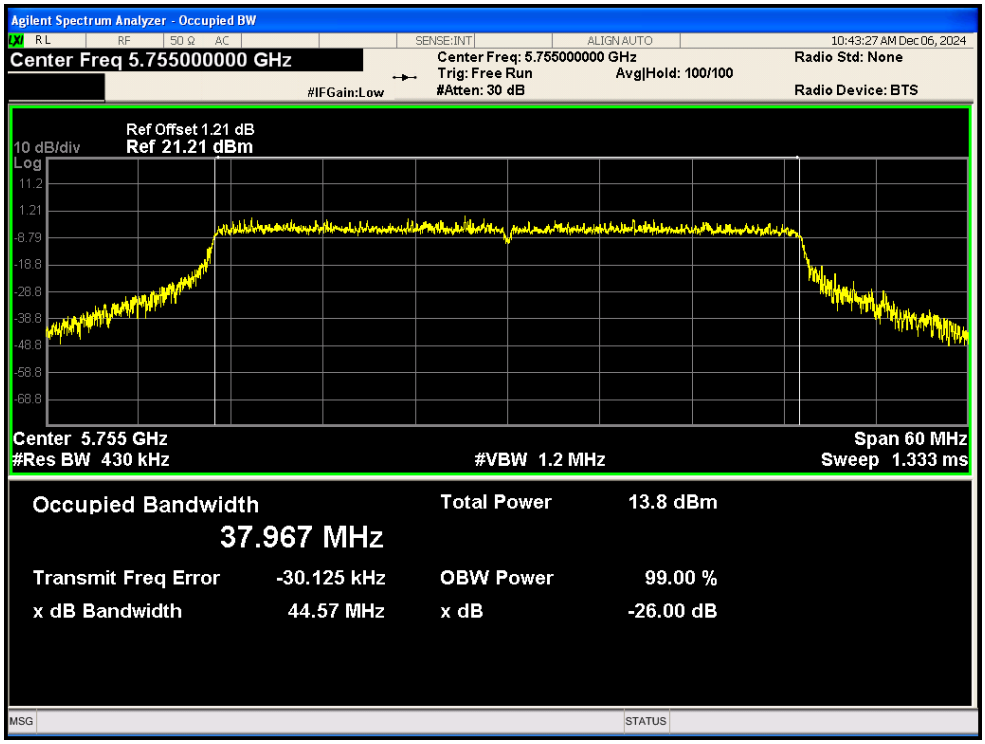
OBW NVNT ax20 5785MHz Ant1



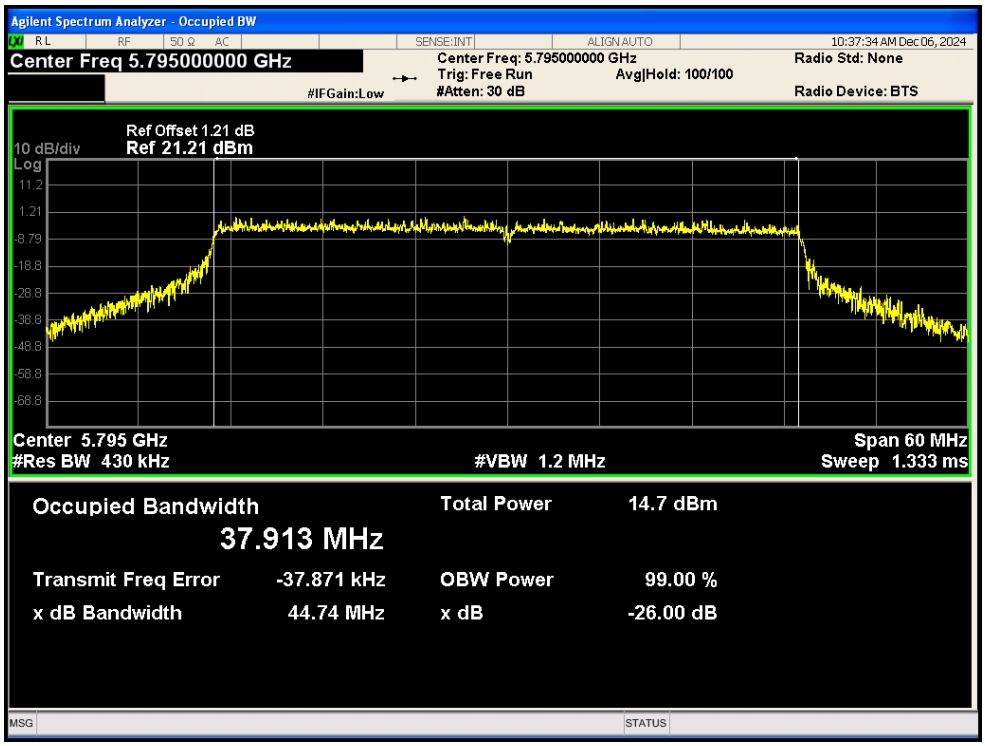
OBW NVNT ax20 5825MHz Ant1



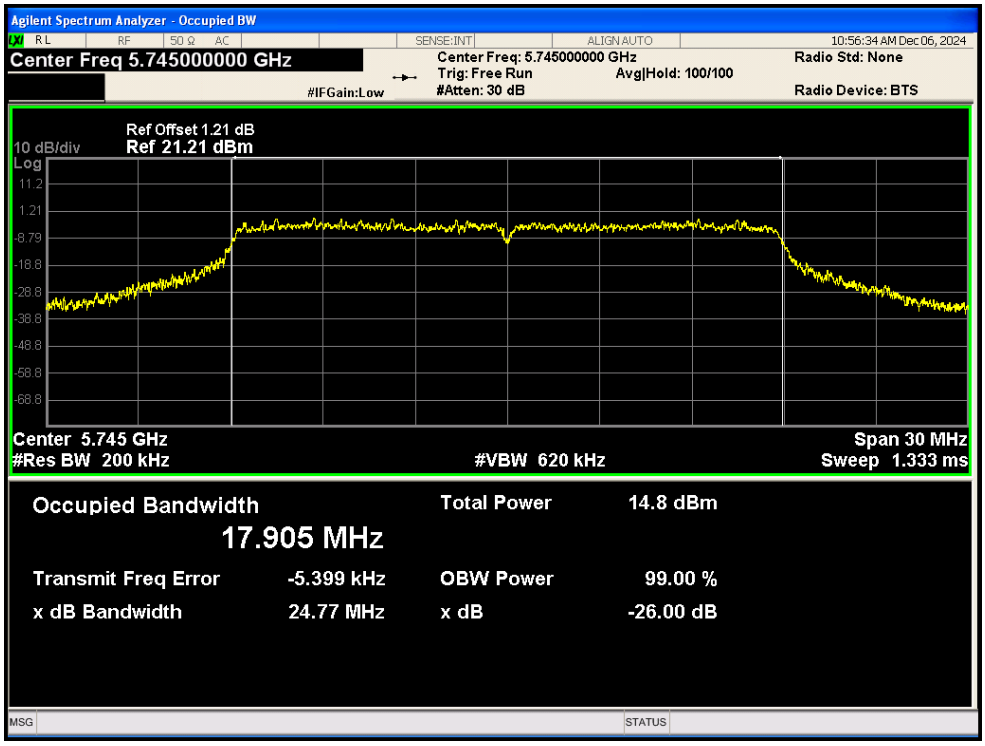
OBW NVNT ax40 5755MHz Ant1



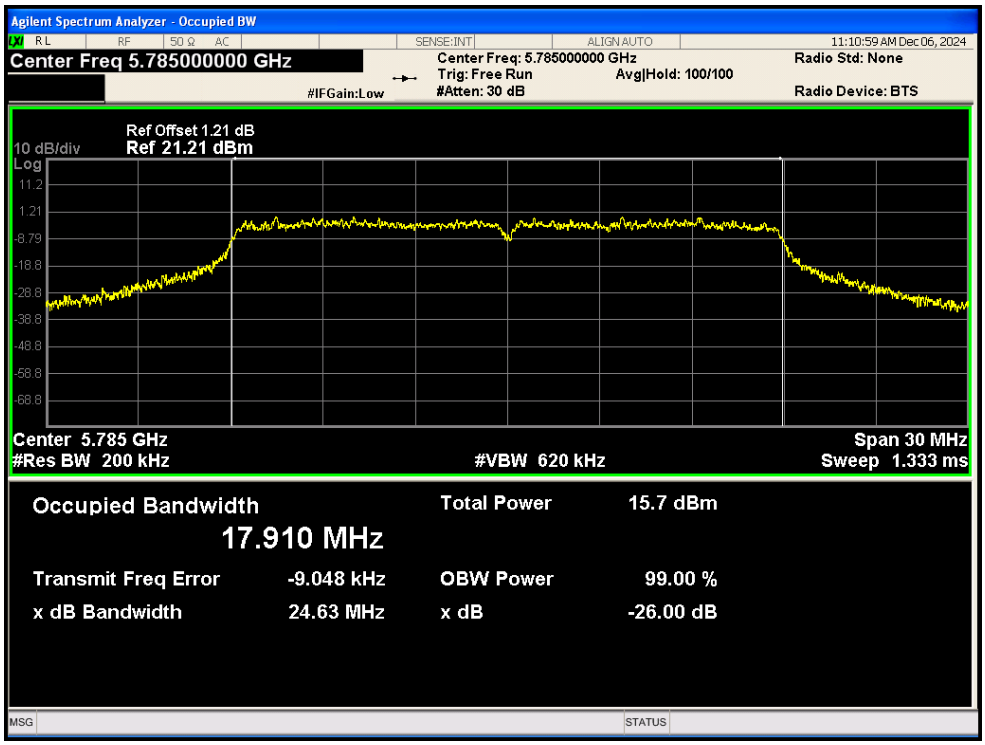
OBW NVNT ax40 5795MHz Ant1



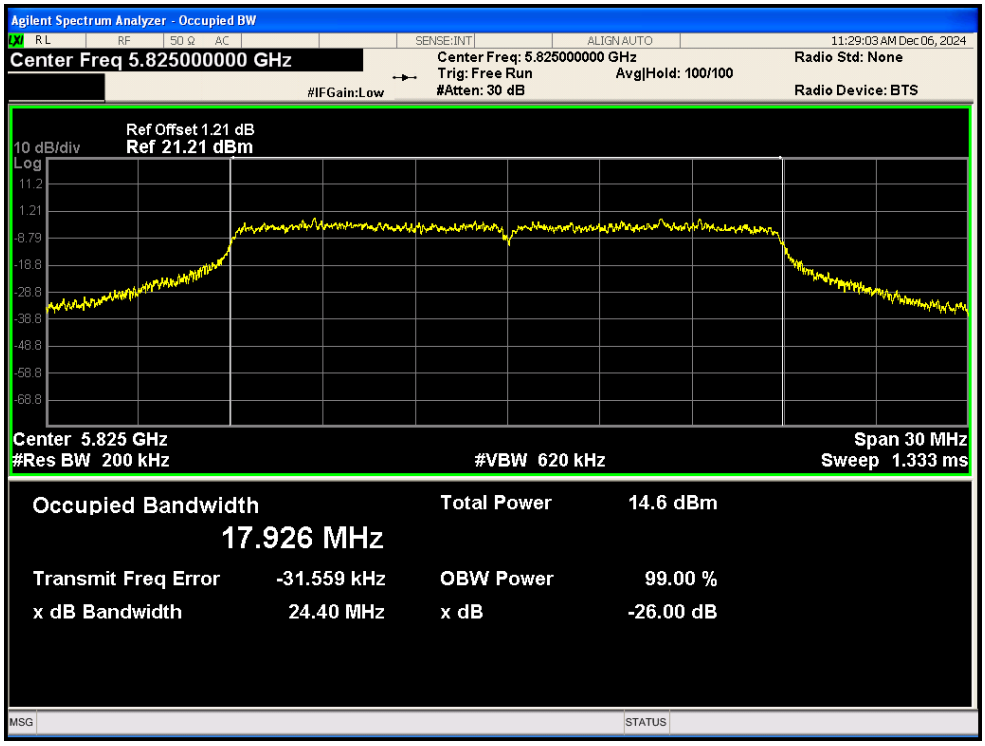
OBW NVNT n20 5745MHz Ant1



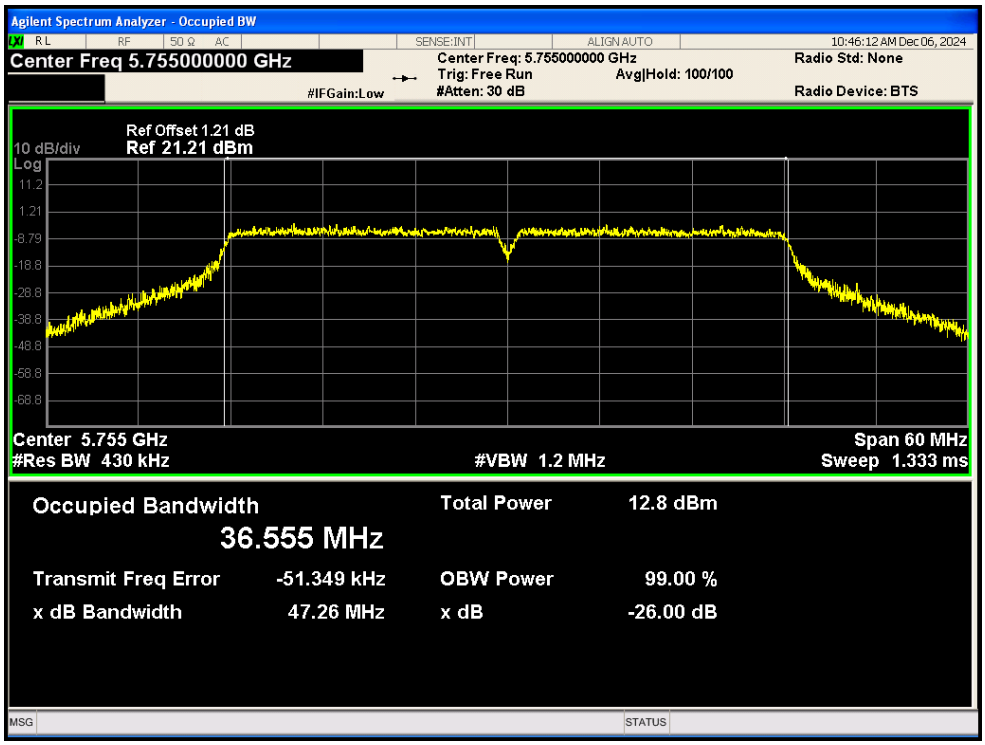
OBW NVNT n20 5785MHz Ant1



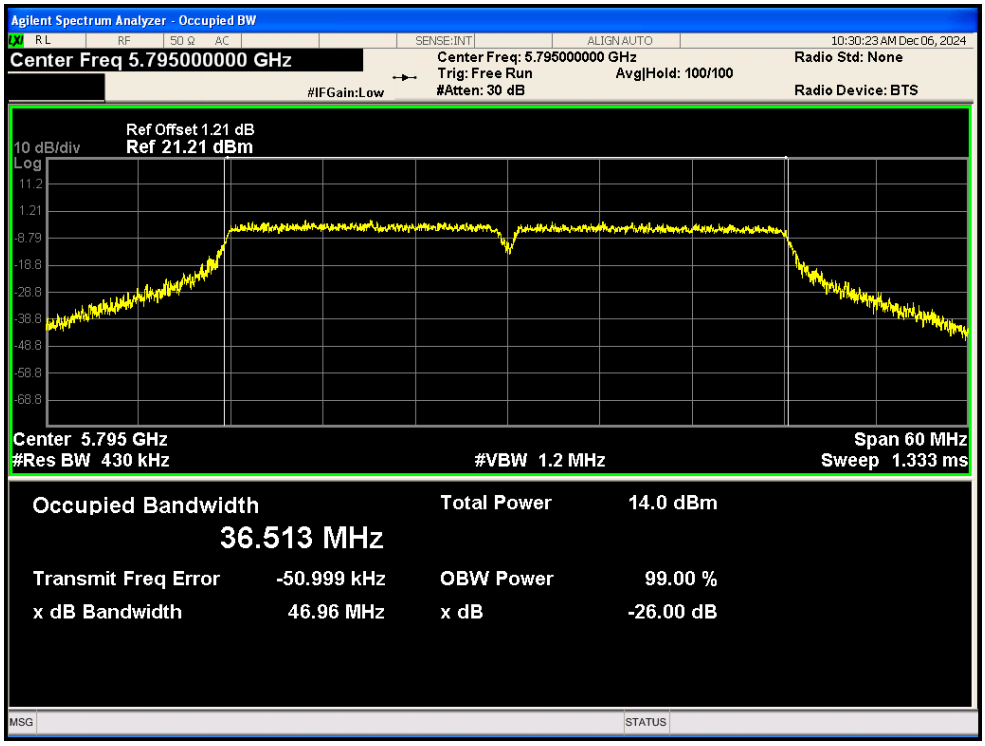
OBW NVNT n20 5825MHz Ant1



OBW NVNT n40 5755MHz Ant1



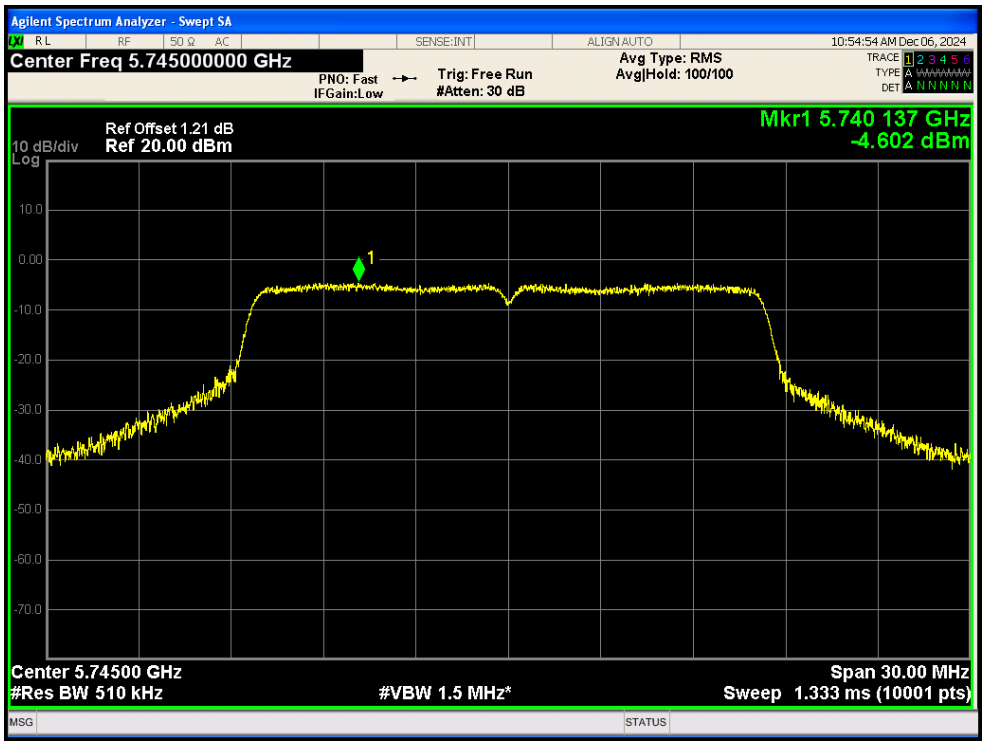
OBW NVNT n40 5795MHz Ant1



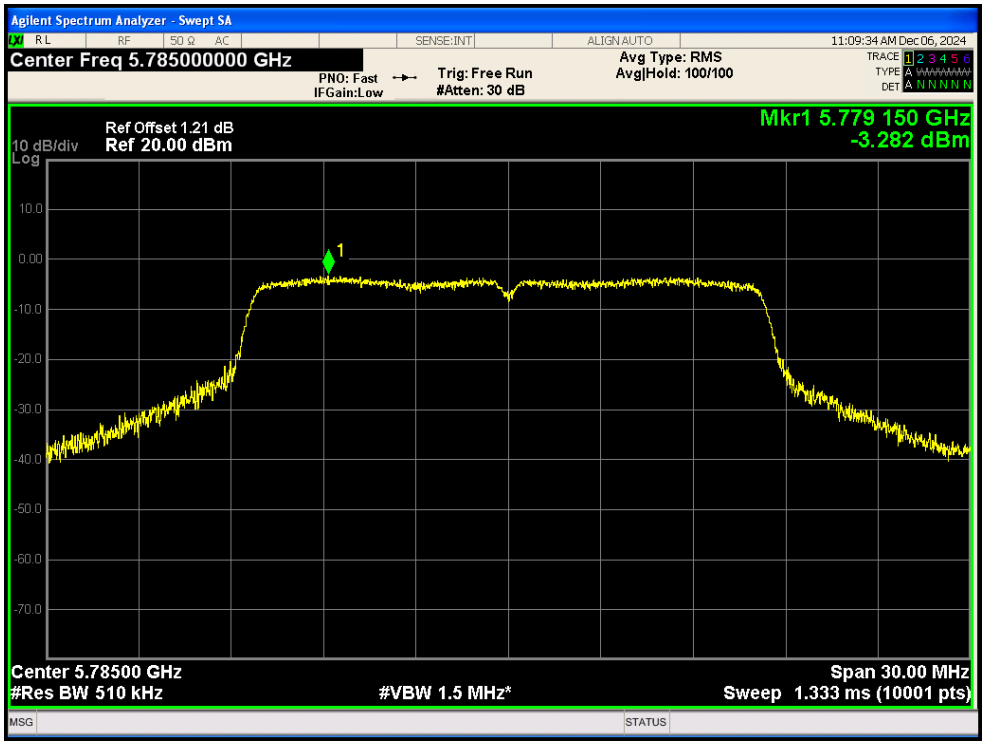
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-4.602	30	Pass
NVNT	a	5785	Ant1	-3.282	30	Pass
NVNT	a	5825	Ant1	-4.385	30	Pass
NVNT	ac20	5745	Ant1	-4.714	30	Pass
NVNT	ac20	5785	Ant1	-3.309	30	Pass
NVNT	ac20	5825	Ant1	-4.779	30	Pass
NVNT	ac40	5755	Ant1	-10.241	30	Pass
NVNT	ac40	5795	Ant1	-8.795	30	Pass
NVNT	ax20	5745	Ant1	-4.913	30	Pass
NVNT	ax20	5785	Ant1	-5.375	30	Pass
NVNT	ax20	5825	Ant1	-4.928	30	Pass
NVNT	ax40	5755	Ant1	-10.3	30	Pass
NVNT	ax40	5795	Ant1	-9.055	30	Pass
NVNT	n20	5745	Ant1	-4.682	30	Pass
NVNT	n20	5785	Ant1	-3.666	30	Pass
NVNT	n20	5825	Ant1	-4.854	30	Pass
NVNT	n40	5755	Ant1	-10.033	30	Pass
NVNT	n40	5795	Ant1	-8.917	30	Pass

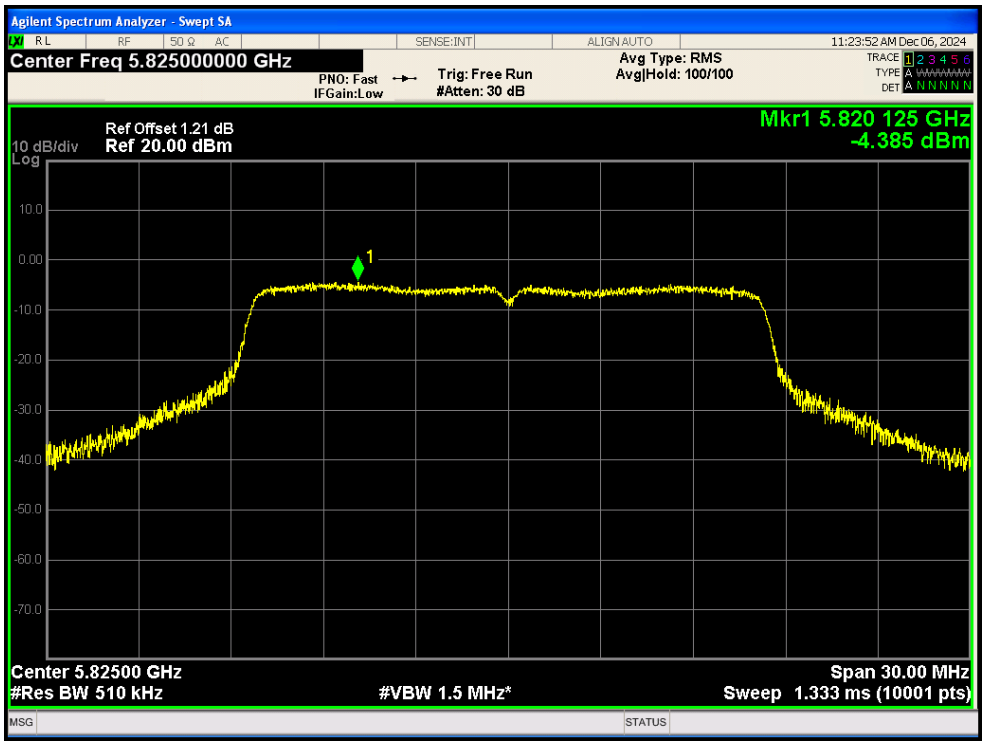
PSD NVNT a 5745MHz Ant1



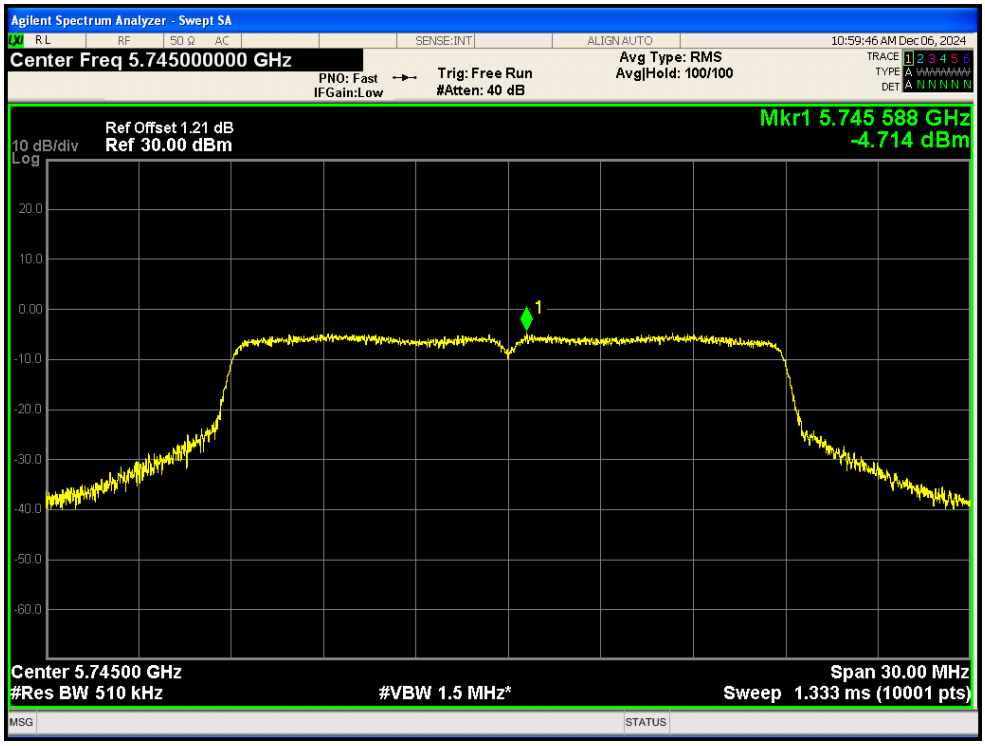
PSD NVNT a 5785MHz Ant1



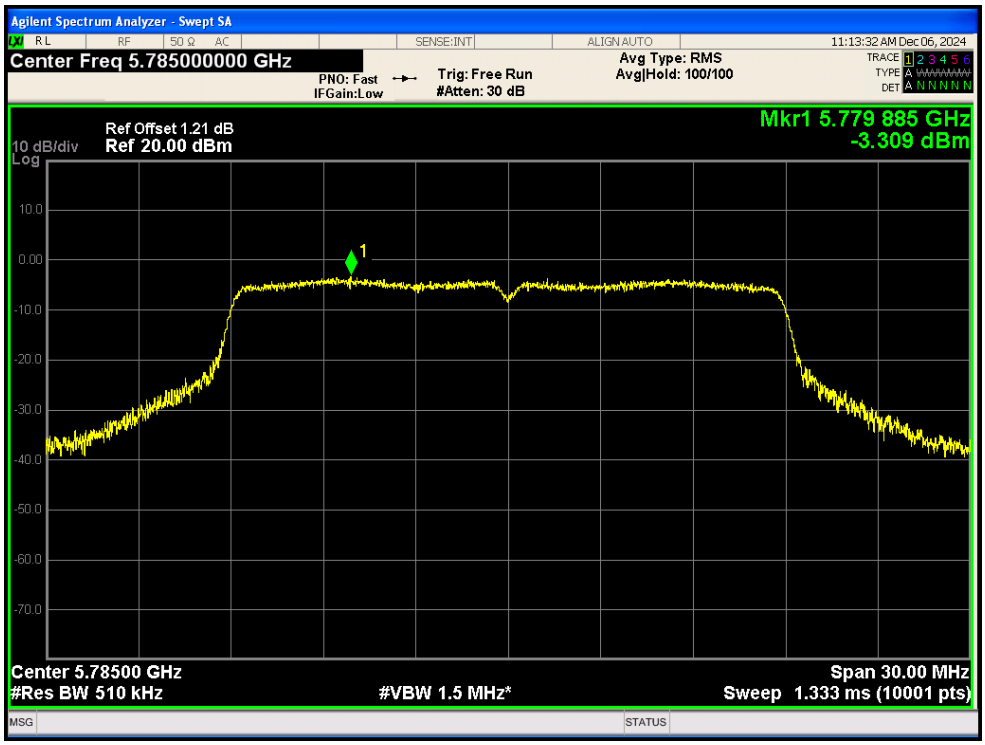
PSD NVNT a 5825MHz Ant1



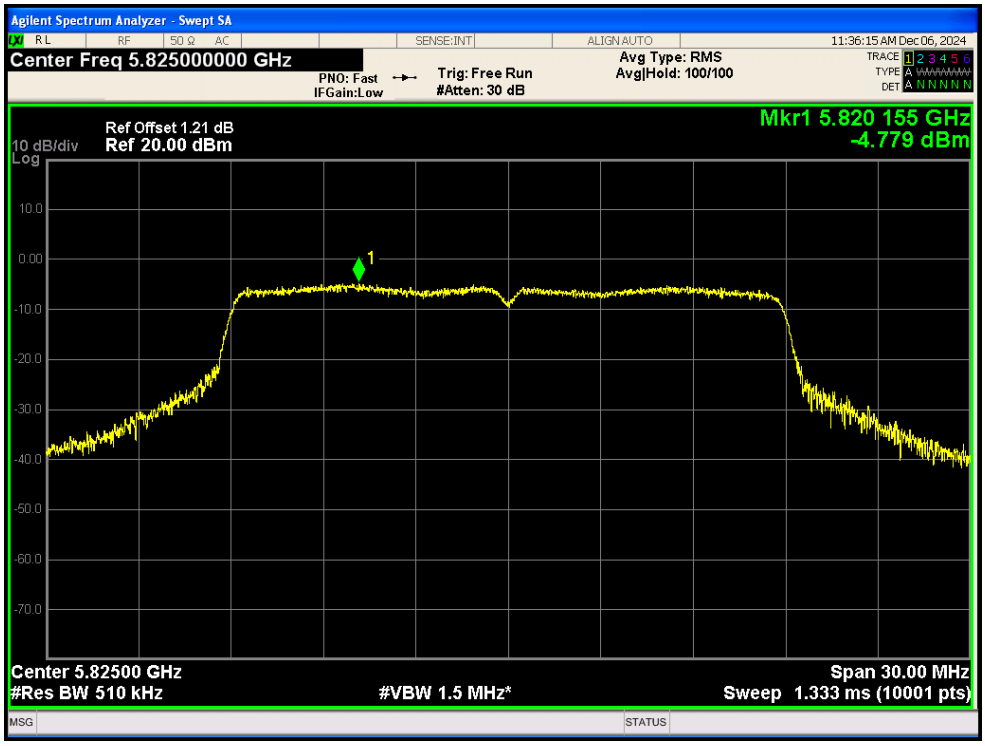
PSD NVNT ac20 5745MHz Ant1



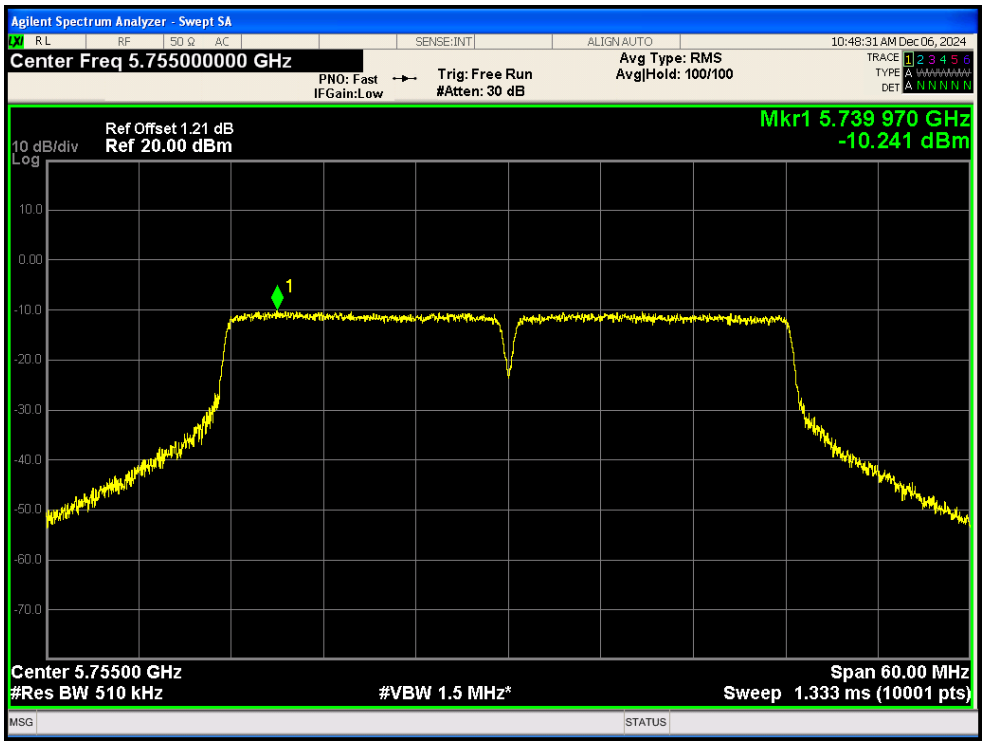
PSD NVNT ac20 5785MHz Ant1



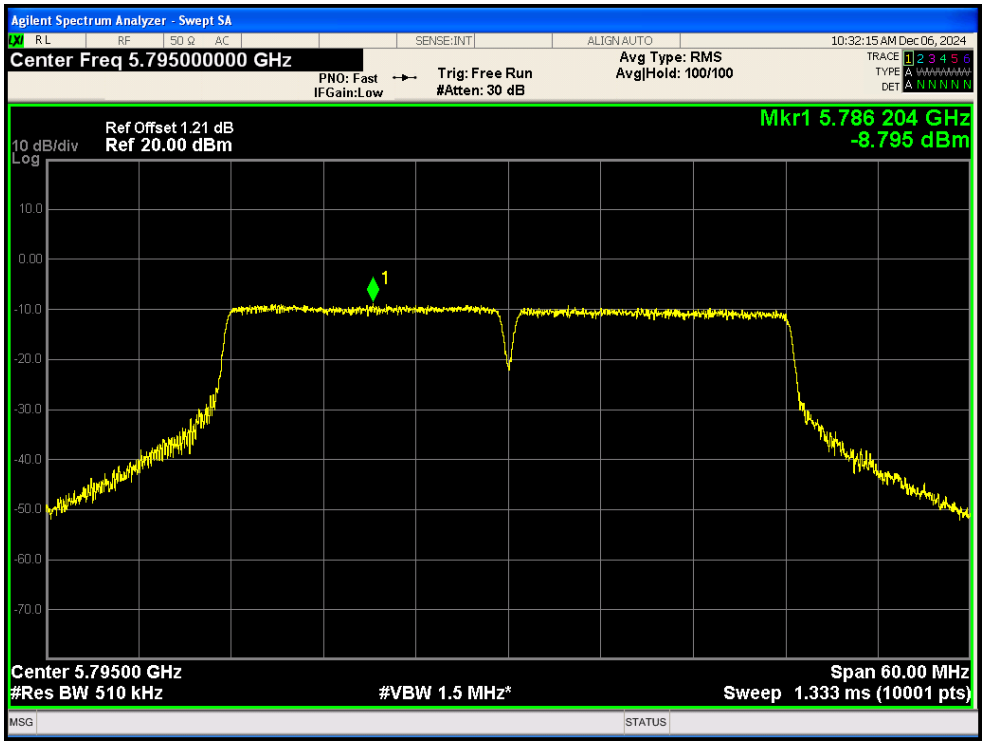
PSD NVNT ac20 5825MHz Ant1



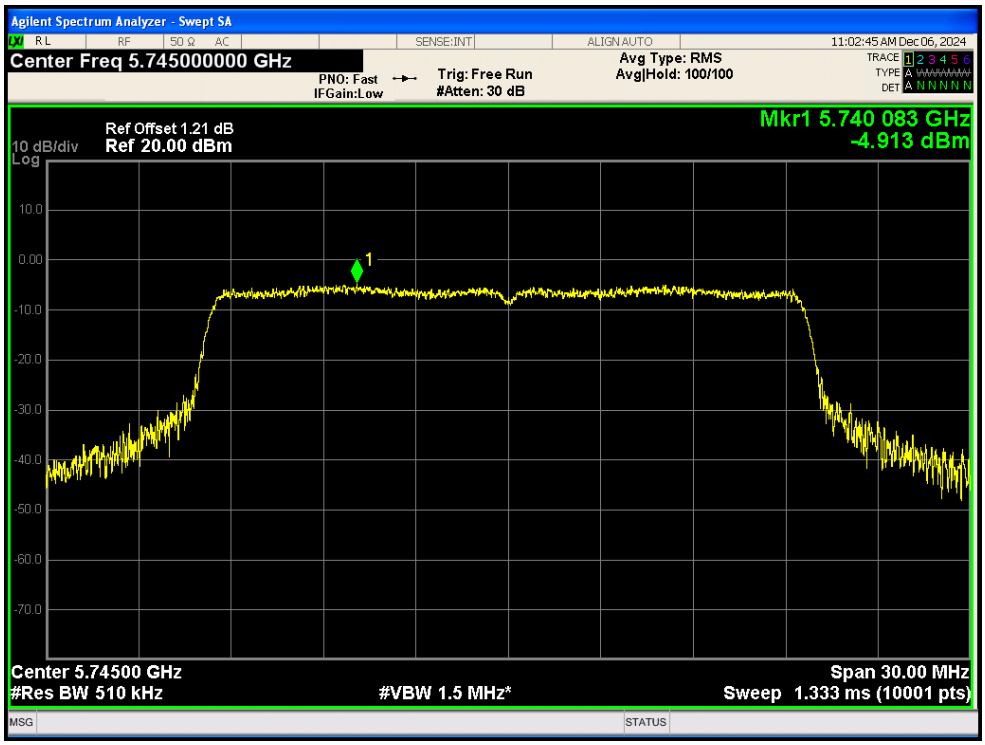
PSD NVNT ac40 5755MHz Ant1



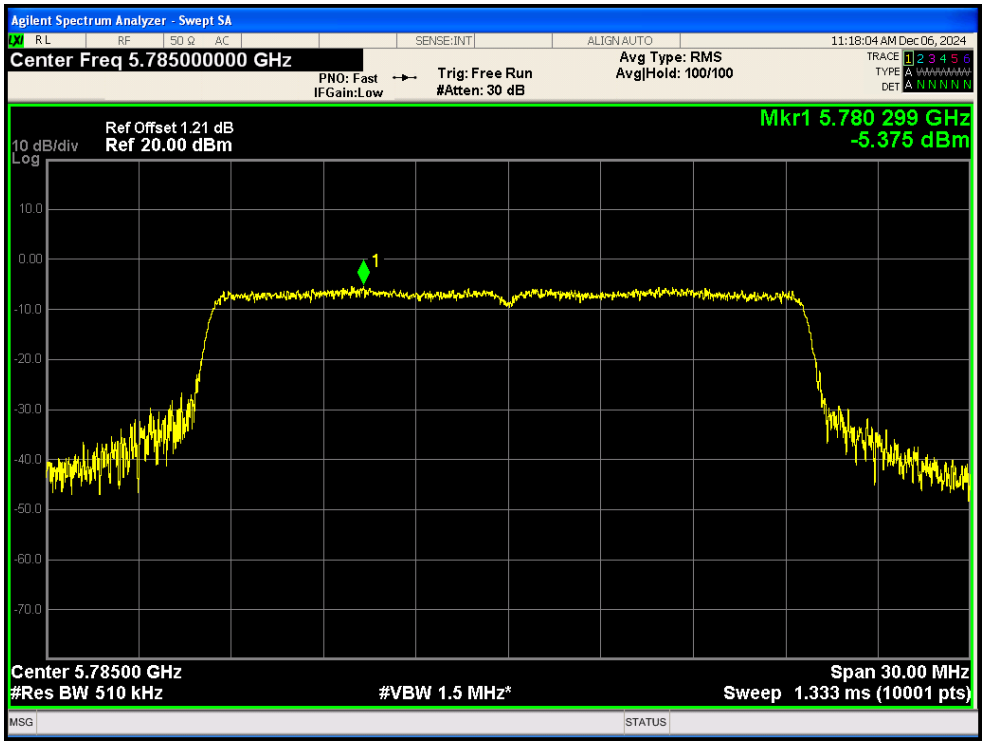
PSD NVNT ac40 5795MHz Ant1



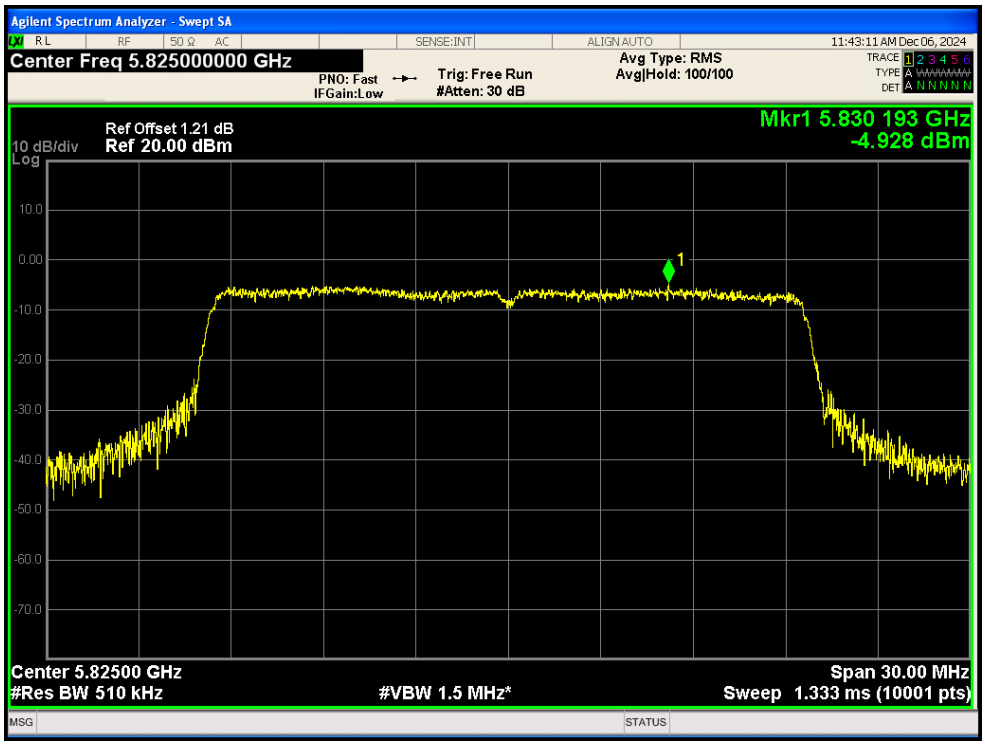
PSD NVNT ax20 5745MHz Ant1



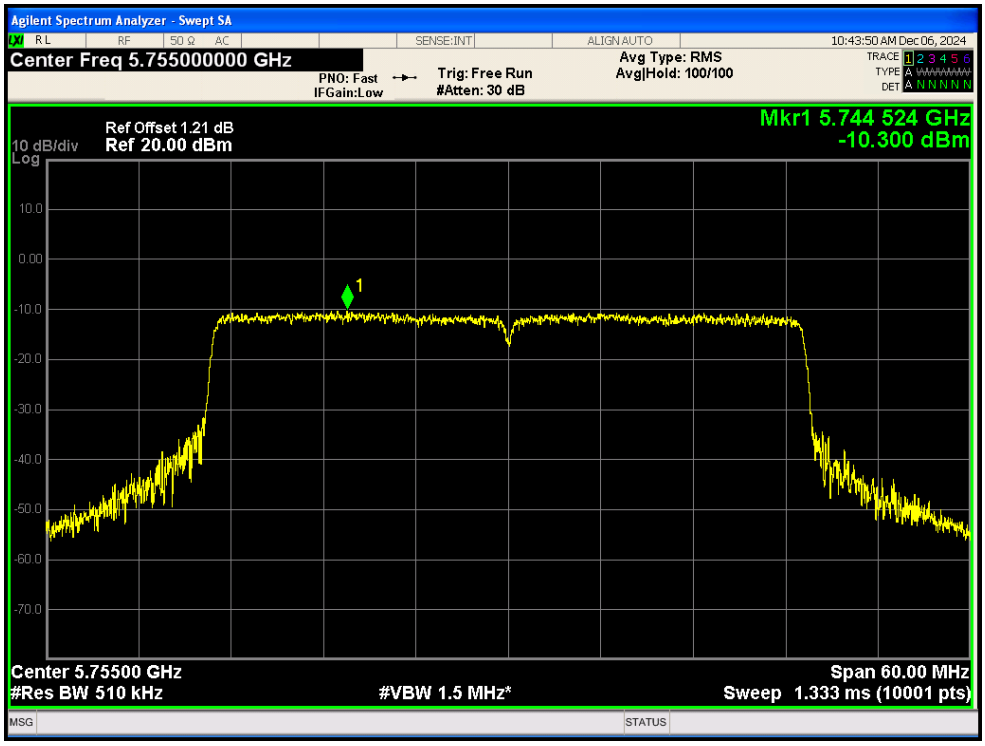
PSD NVNT ax20 5785MHz Ant1



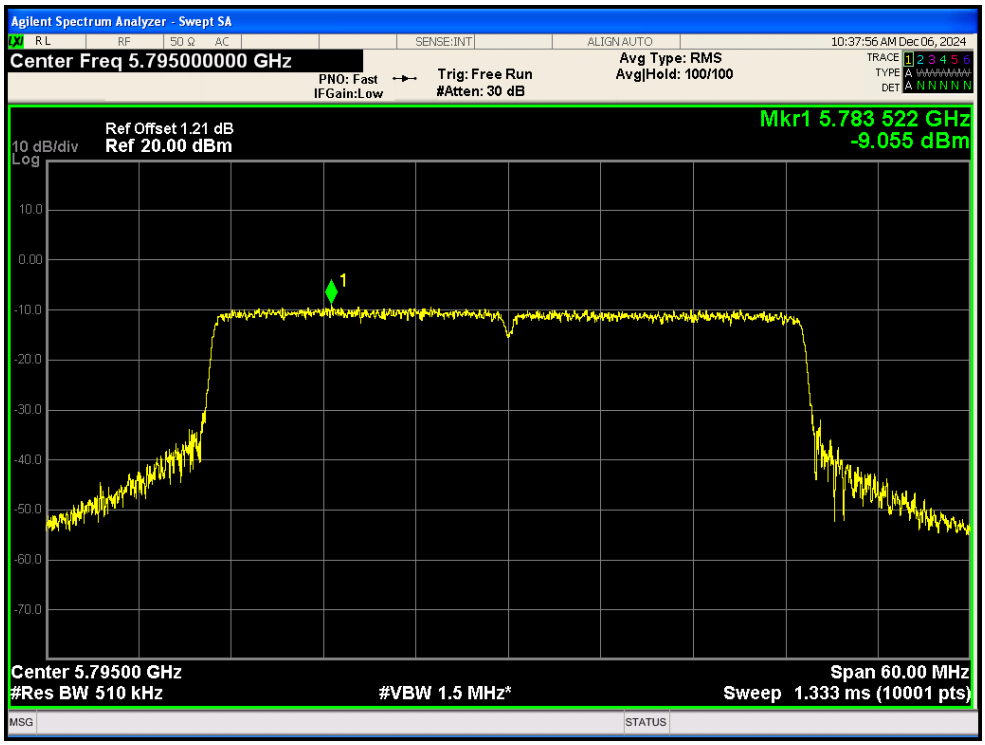
PSD NVNT ax20 5825MHz Ant1



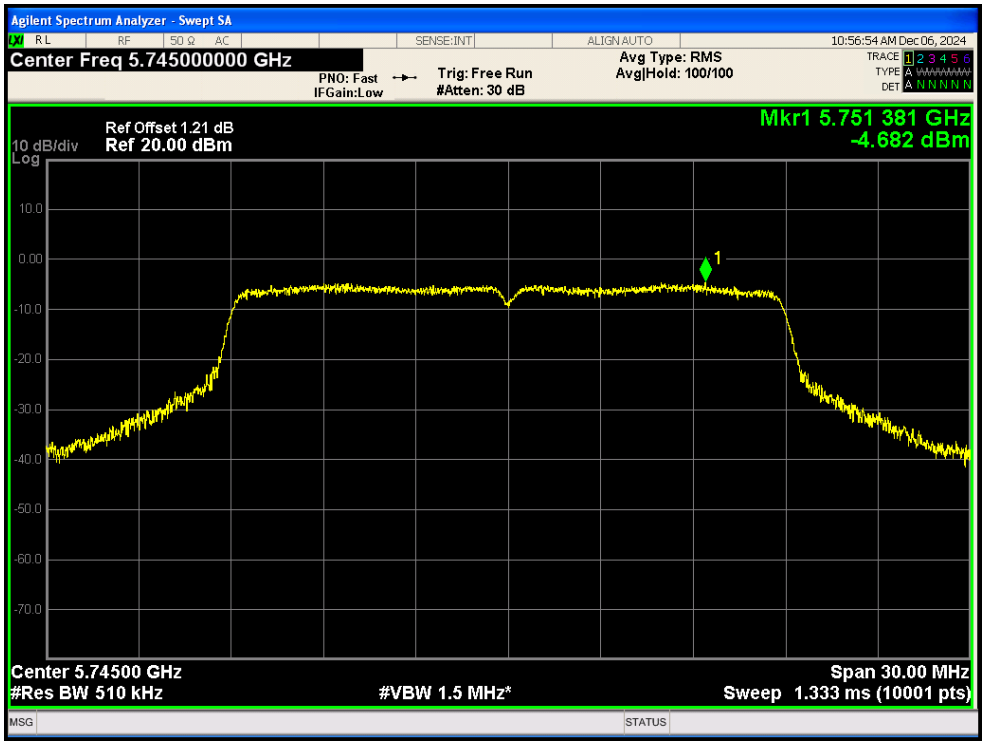
PSD NVNT ax40 5755MHz Ant1



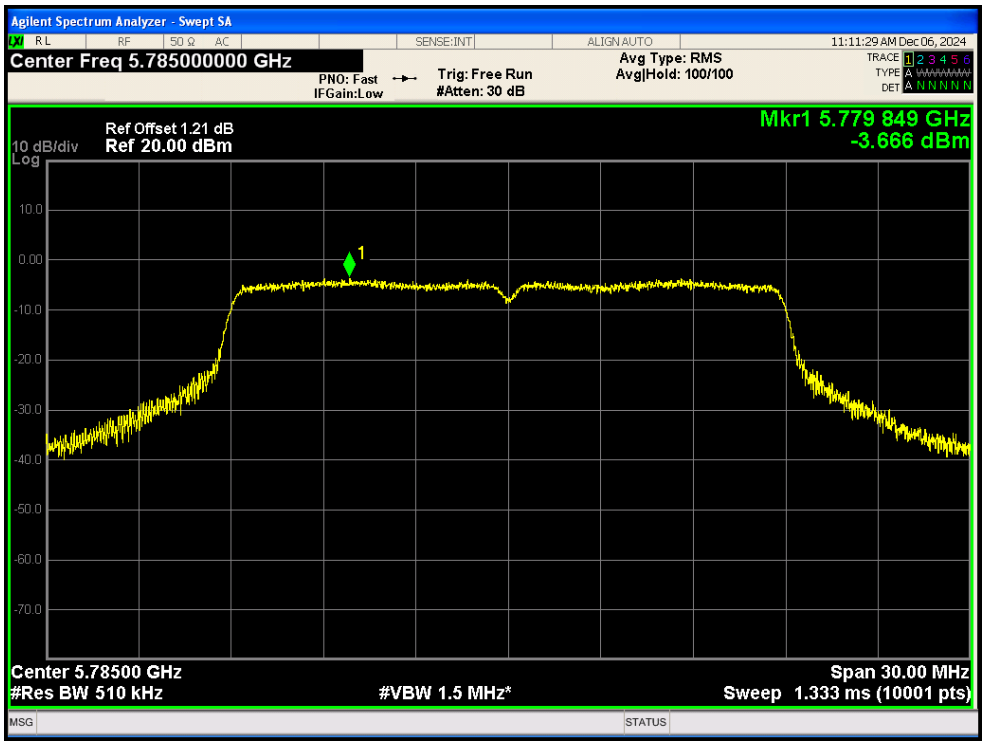
PSD NVNT ax40 5795MHz Ant1



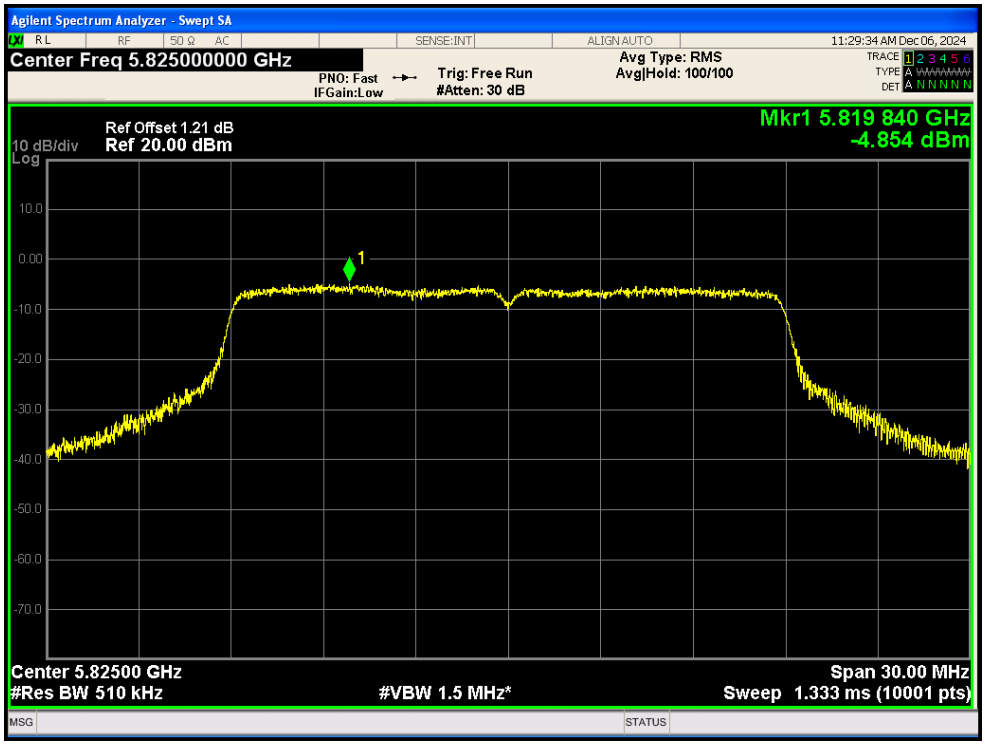
PSD NVNT n20 5745MHz Ant1



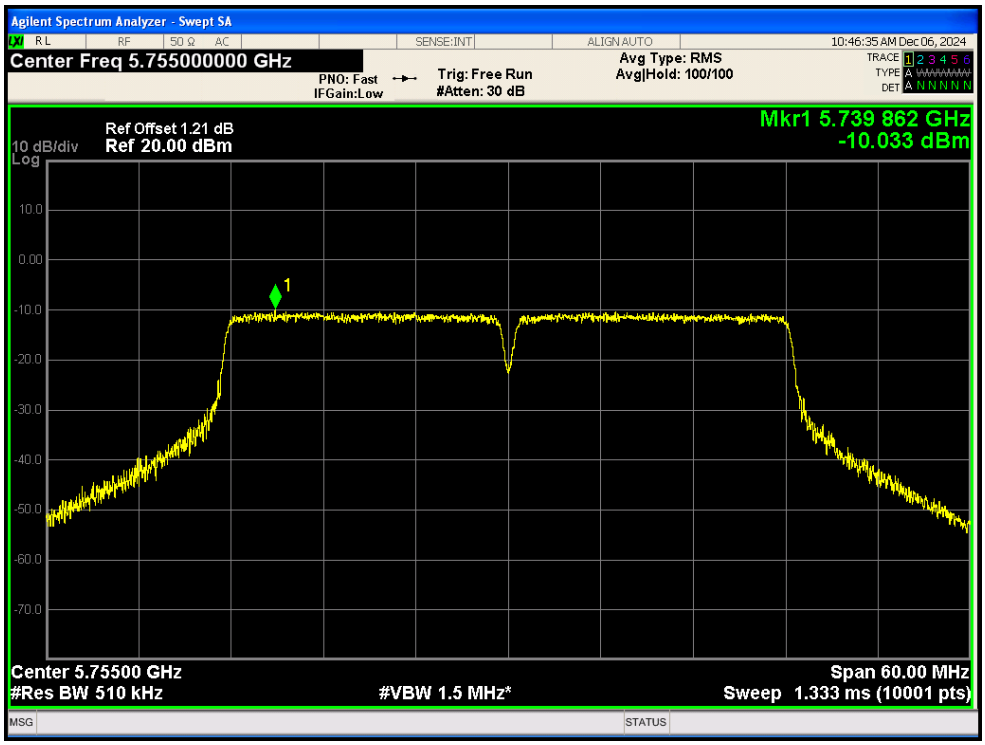
PSD NVNT n20 5785MHz Ant1



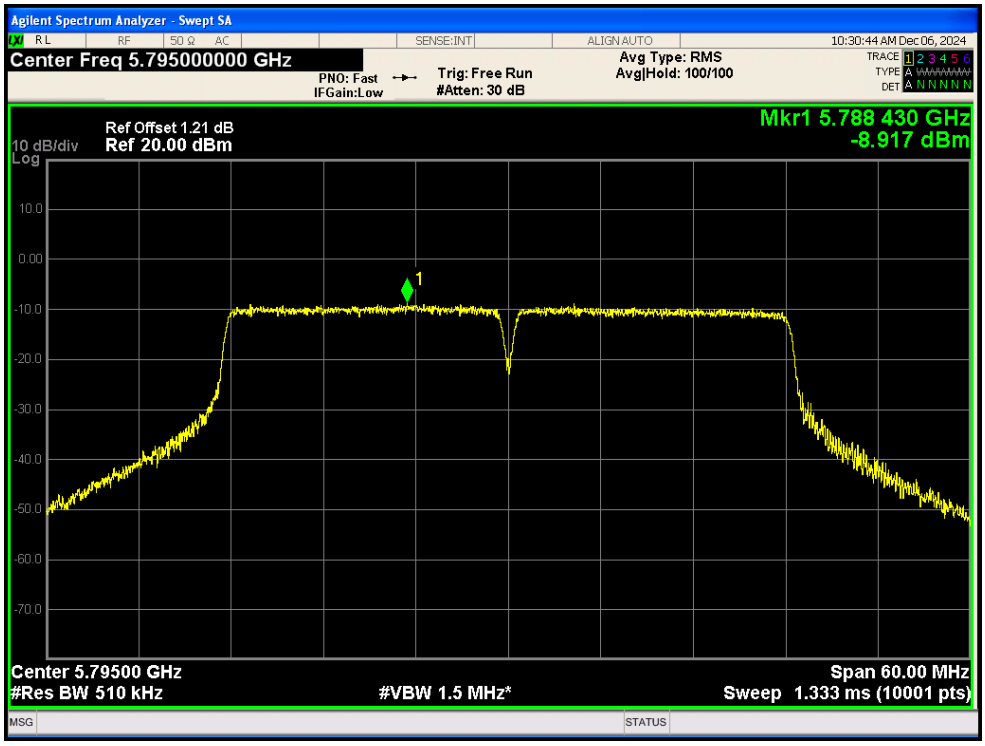
PSD NVNT n20 5825MHz Ant1



PSD NVNT n40 5755MHz Ant1



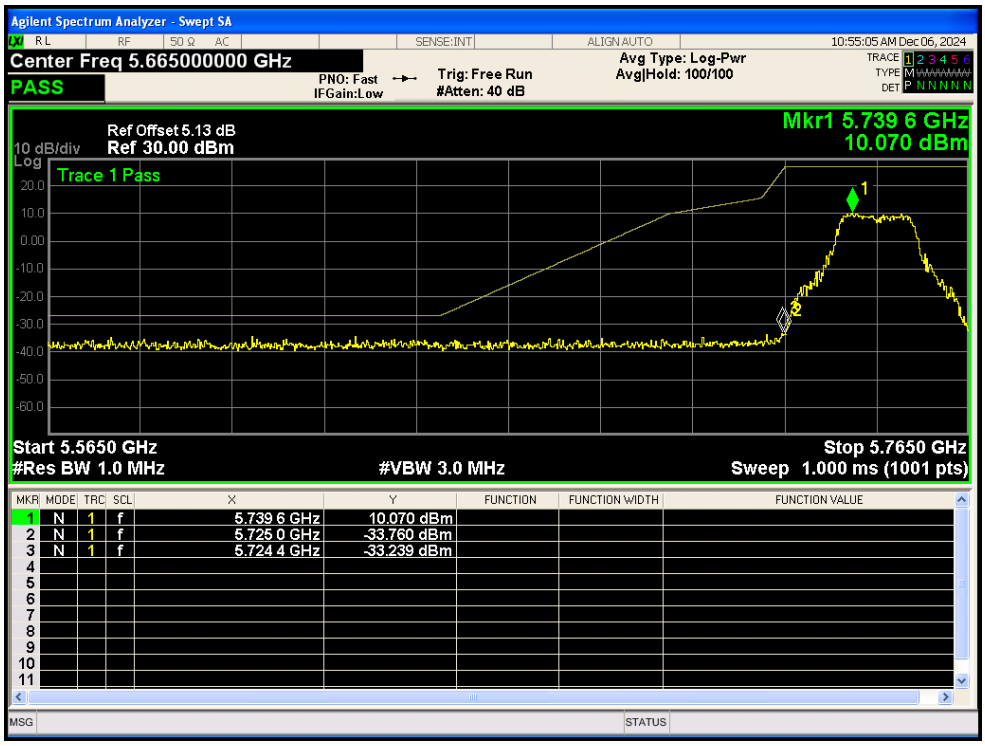
PSD NVNT n40 5795MHz Ant1



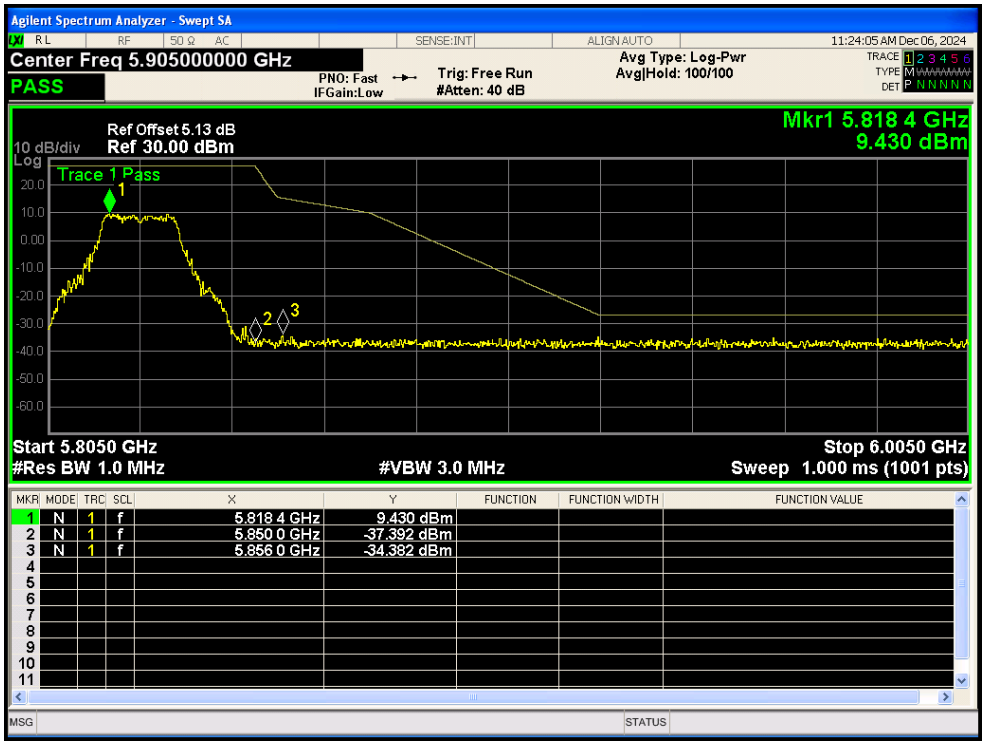
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-33.23		Pass
NVNT	a	5825	Ant1	-34.38		Pass
NVNT	ac20	5745	Ant1	-29.83		Pass
NVNT	ac20	5825	Ant1	-33.73		Pass
NVNT	ac40	5755	Ant1	-29.26		Pass
NVNT	ac40	5795	Ant1	-34.2		Pass
NVNT	ax20	5745	Ant1	-33.39		Pass
NVNT	ax20	5825	Ant1	-30.78		Pass
NVNT	ax40	5755	Ant1	-31.79		Pass
NVNT	ax40	5795	Ant1	-41.67		Pass
NVNT	n20	5745	Ant1	-29.5		Pass
NVNT	n20	5825	Ant1	-34.16		Pass
NVNT	n40	5755	Ant1	-29.67		Pass
NVNT	n40	5795	Ant1	-34.6		Pass

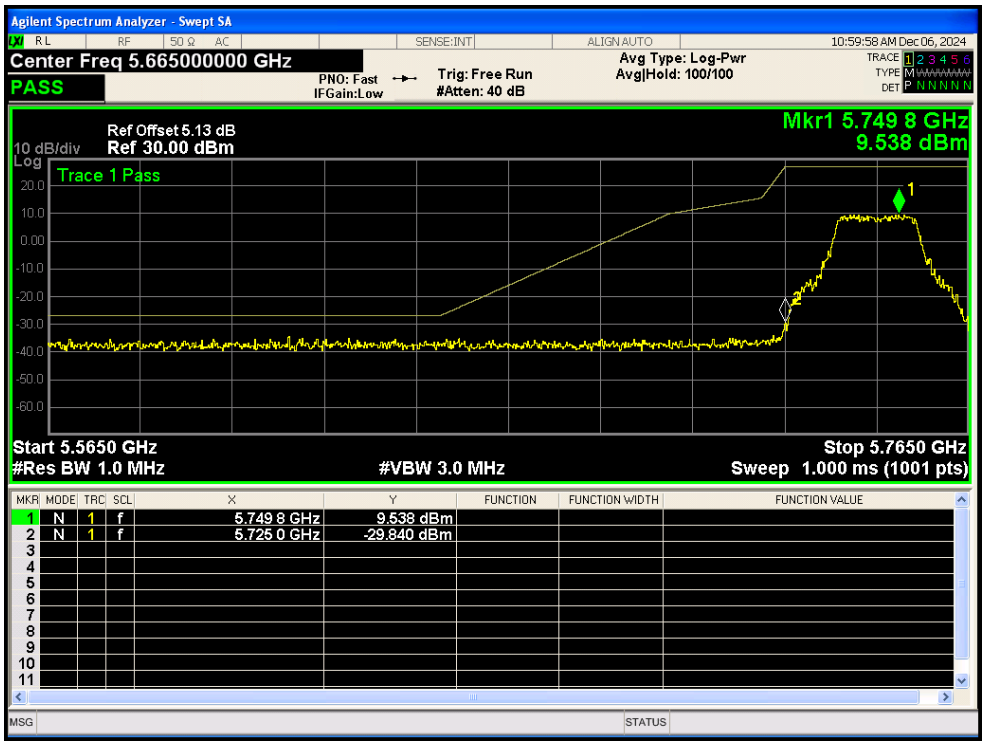
Band Edge NVNT a 5745MHz Low Ant1



Band Edge NVNT a 5825MHz High Ant1



Band Edge NVNT ac20 5745MHz Low Ant1



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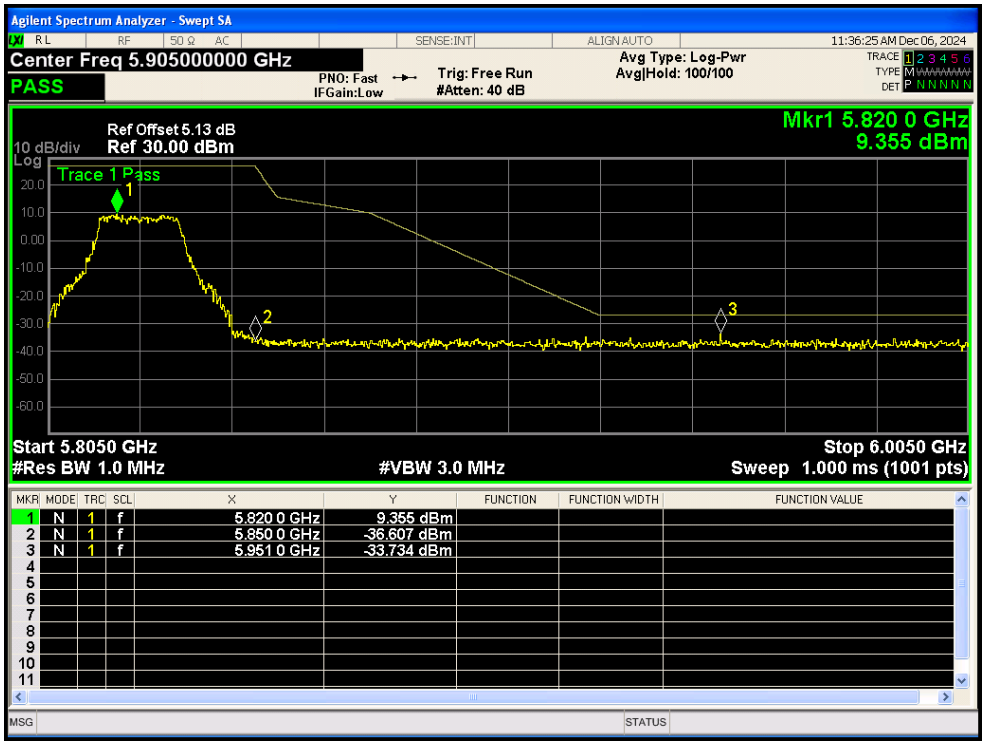
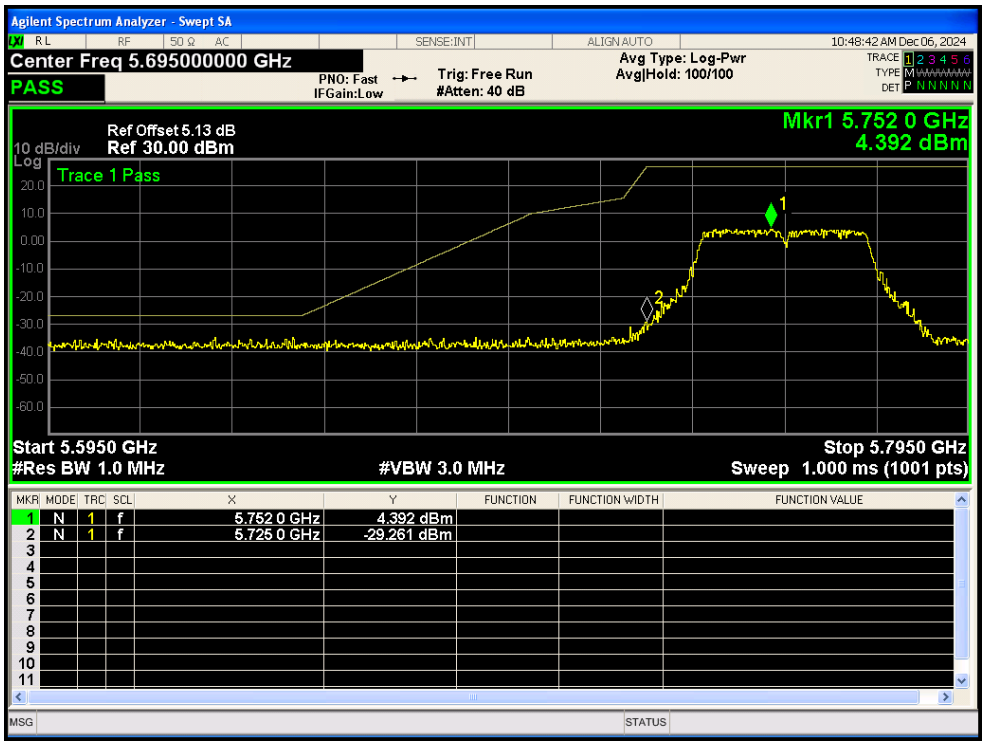
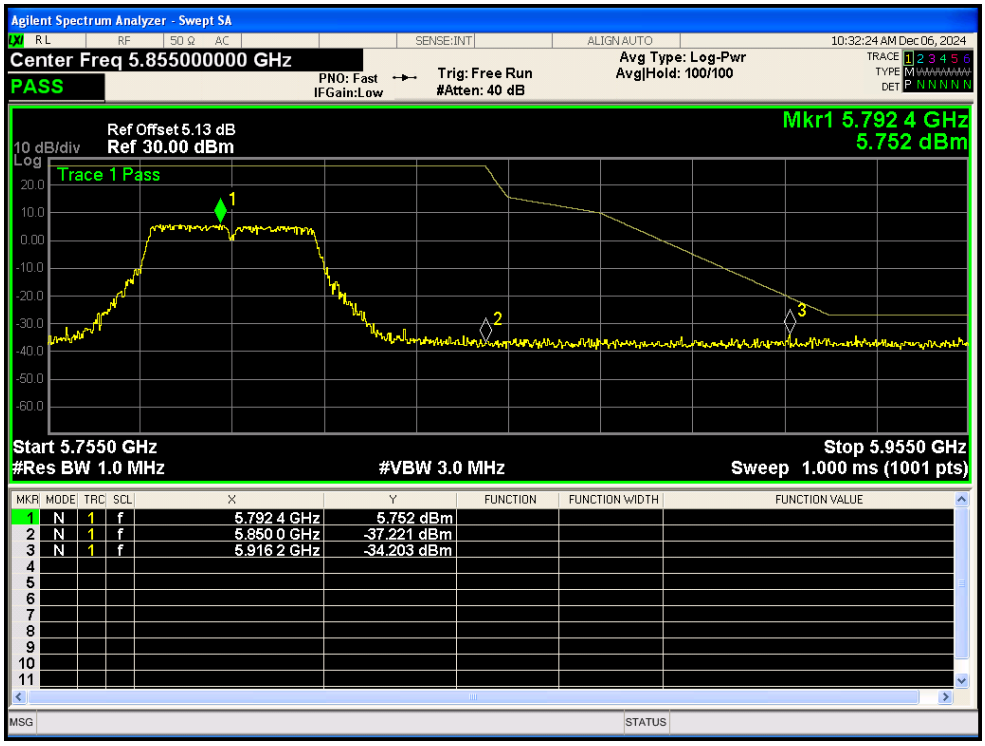


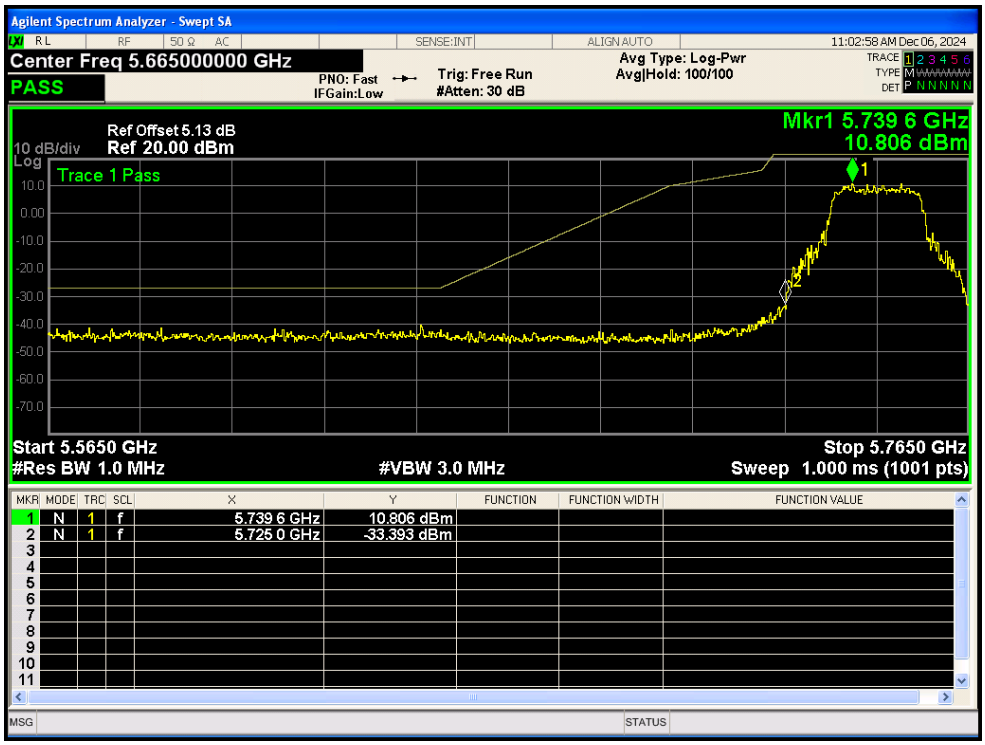
Band Edge NVNT ac40 5755MHz Low Ant1



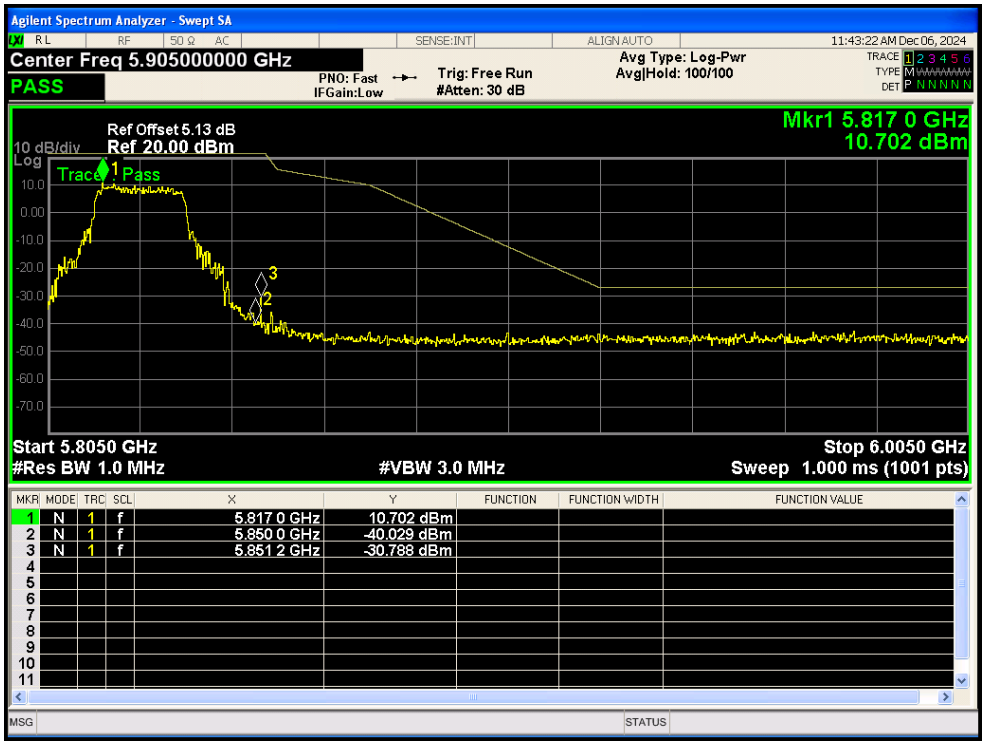
Band Edge NVNT ac40 5795MHz High Ant1



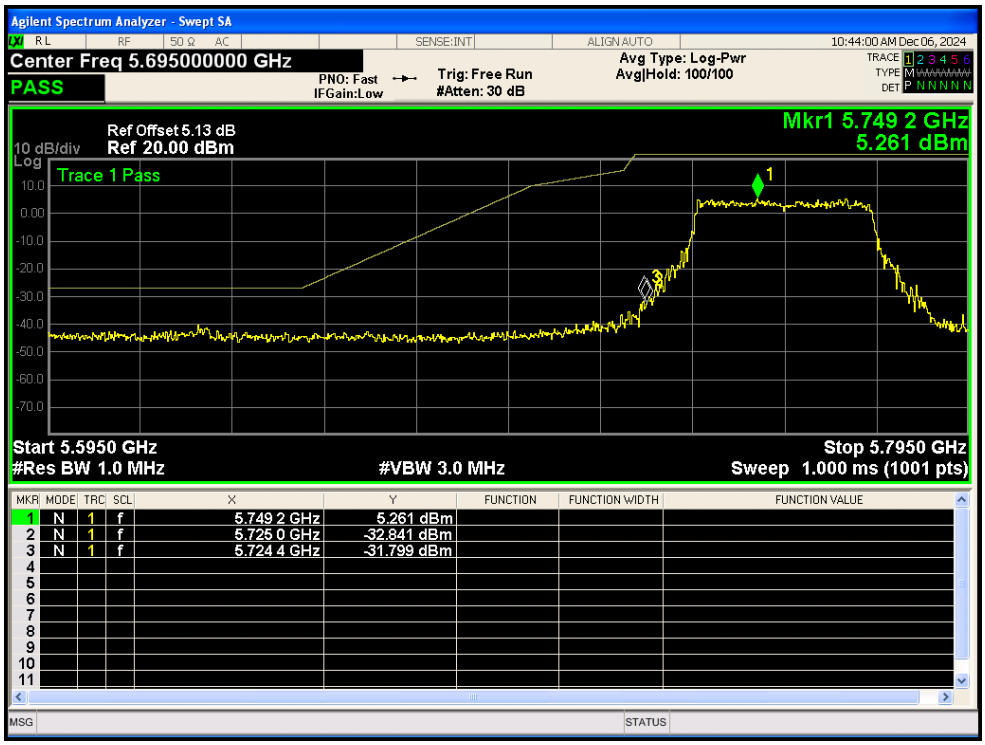
Band Edge NVNT ax20 5745MHz Low Ant1



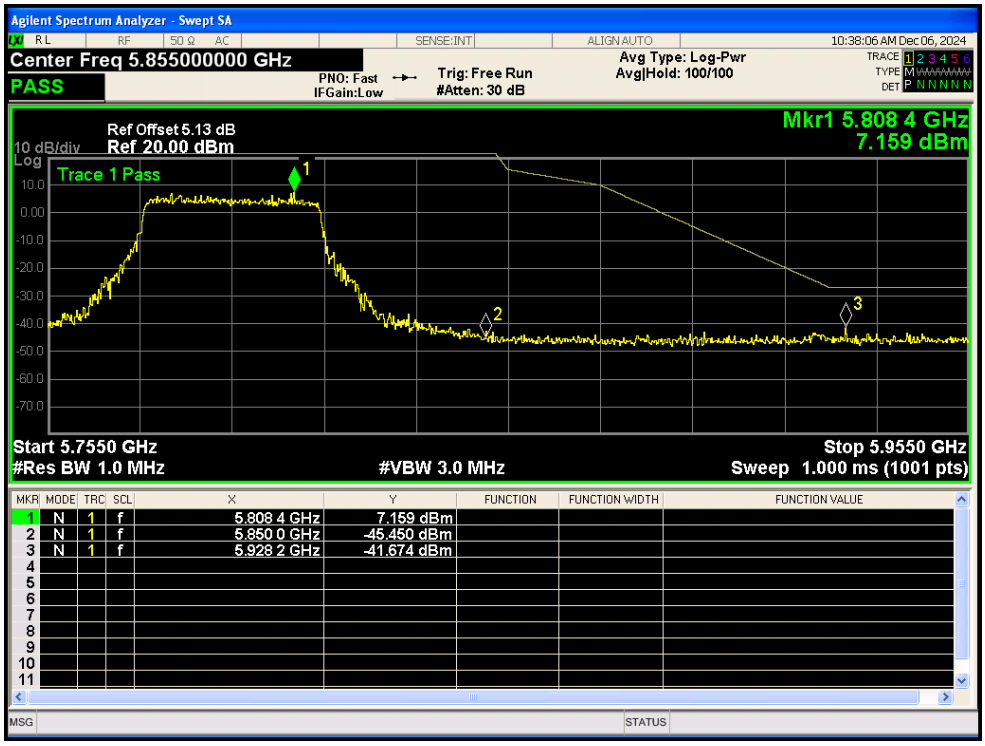
Band Edge NVNT ax20 5825MHz High Ant1



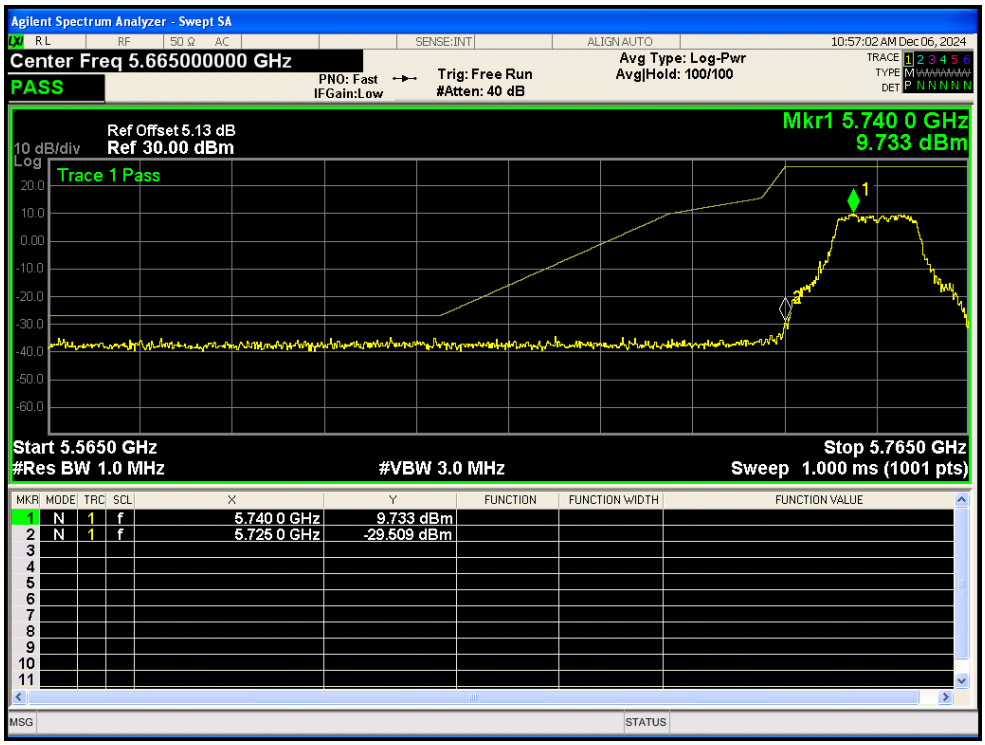
Band Edge NVNT ax40 5755MHz Low Ant1



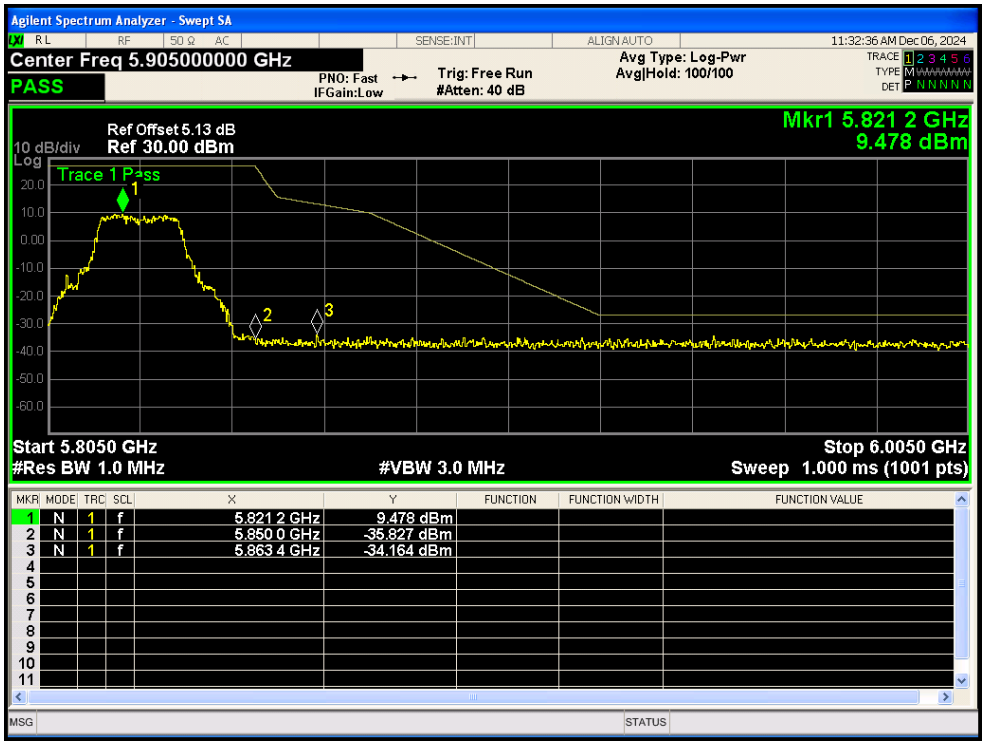
Band Edge NVNT ax40 5795MHz High Ant1



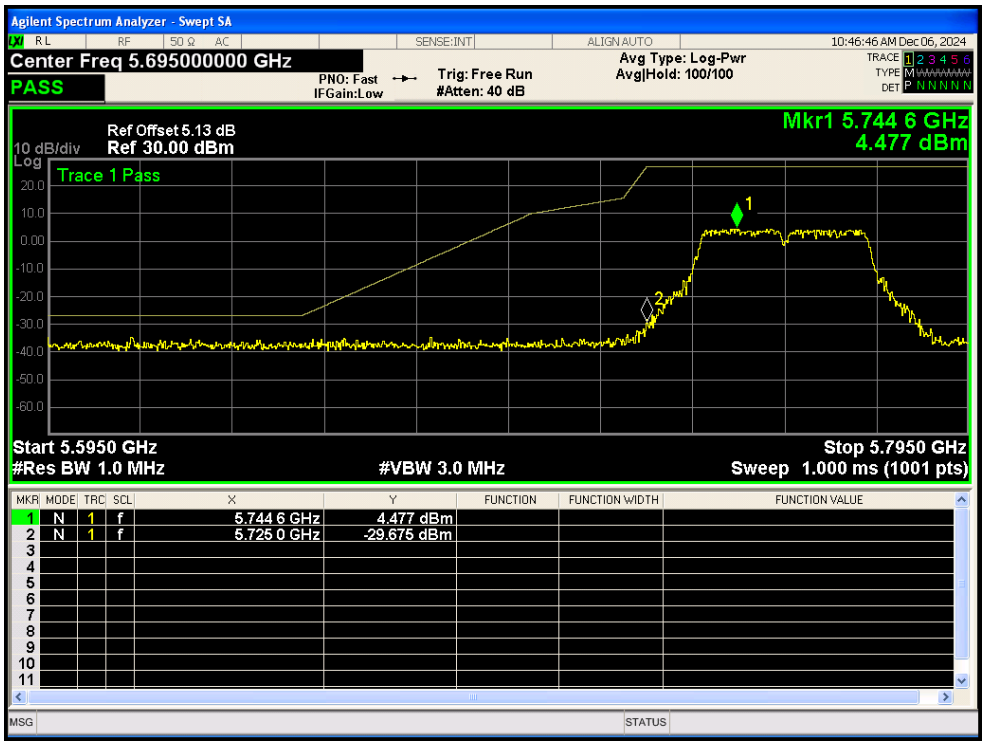
Band Edge NVNT n20 5745MHz Low Ant1



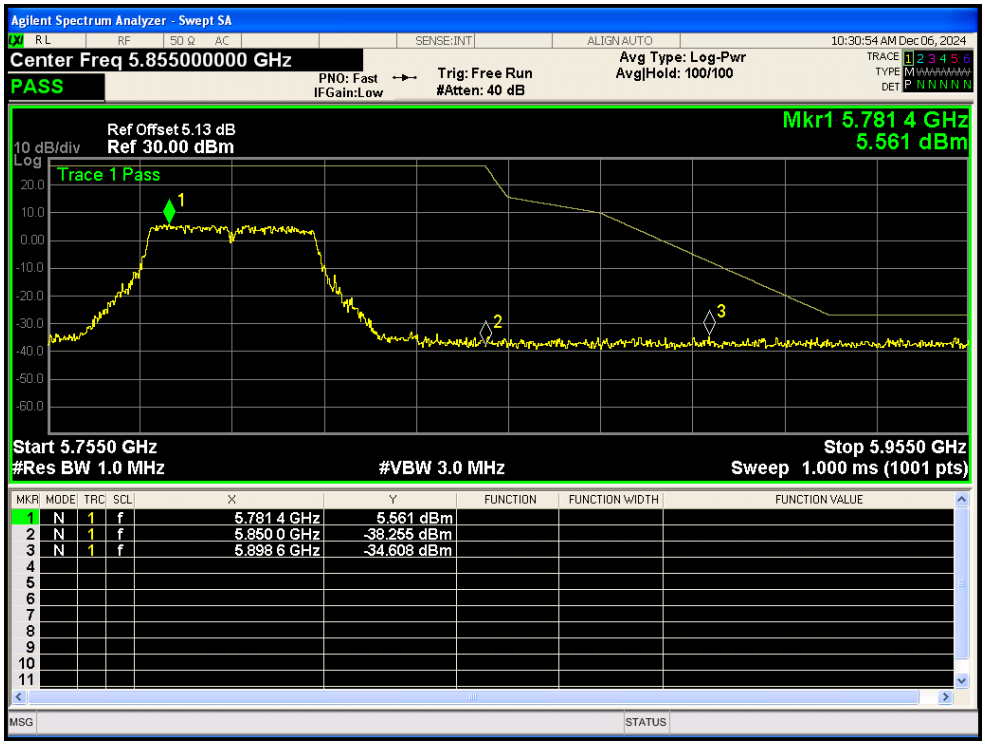
Band Edge NVNT n20 5825MHz High Ant1



Band Edge NVNT n40 5755MHz Low Ant1



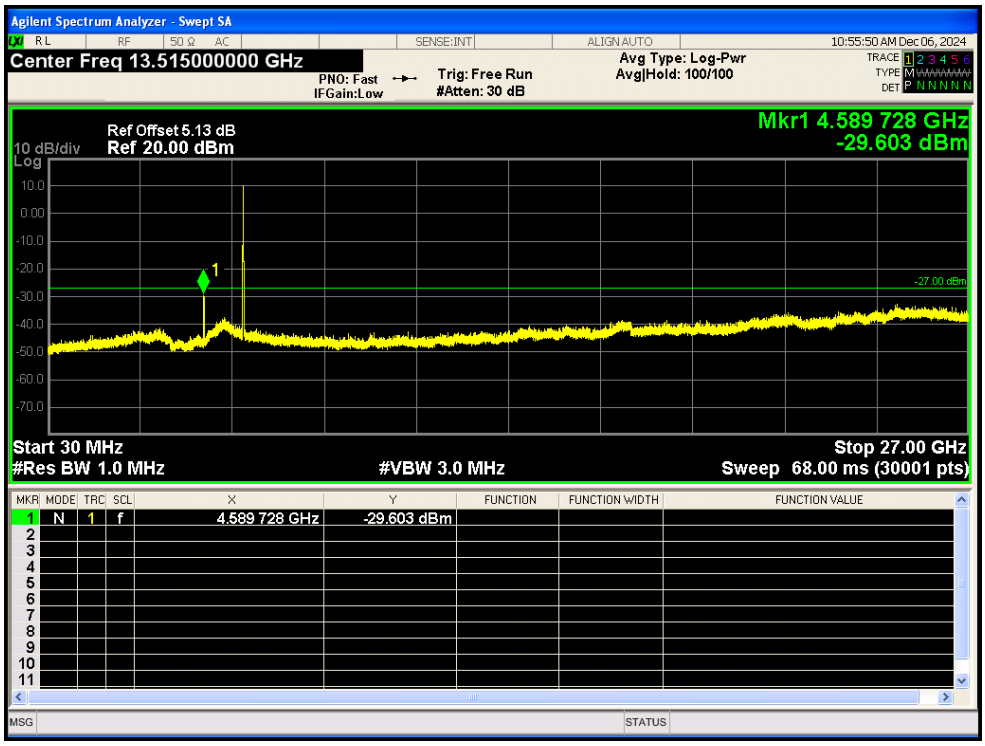
Band Edge NVNT n40 5795MHz High Ant1



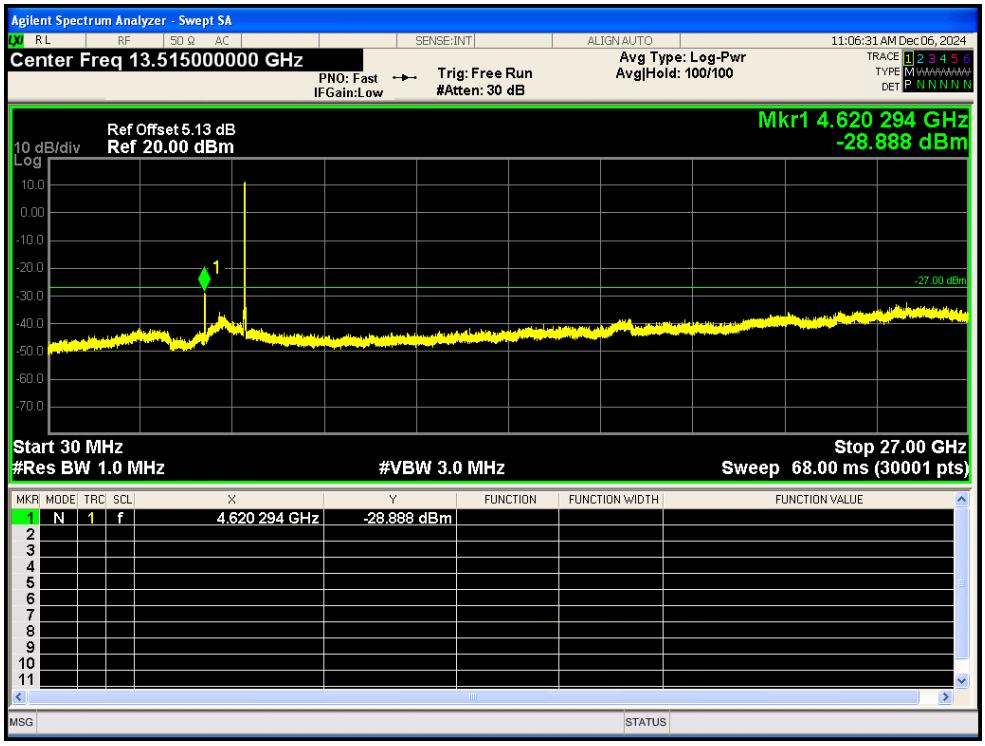
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-29.6	-27	Pass
NVNT	a	5785	Ant1	-28.88	-27	Pass
NVNT	a	5825	Ant1	-28.23	-27	Pass
NVNT	ac20	5745	Ant1	-29.89	-27	Pass
NVNT	ac20	5785	Ant1	-29.02	-27	Pass
NVNT	ac20	5825	Ant1	-28.46	-27	Pass
NVNT	ac40	5755	Ant1	-28.82	-27	Pass
NVNT	ac40	5795	Ant1	-27.25	-27	Pass
NVNT	ax20	5745	Ant1	-29.46	-27	Pass
NVNT	ax20	5785	Ant1	-27.95	-27	Pass
NVNT	ax20	5825	Ant1	-27.66	-27	Pass
NVNT	ax40	5755	Ant1	-27.79	-27	Pass
NVNT	ax40	5795	Ant1	-27.52	-27	Pass
NVNT	n20	5745	Ant1	-29.49	-27	Pass
NVNT	n20	5785	Ant1	-29.28	-27	Pass
NVNT	n20	5825	Ant1	-28.67	-27	Pass
NVNT	n40	5755	Ant1	-29.15	-27	Pass
NVNT	n40	5795	Ant1	-27.02	-27	Pass

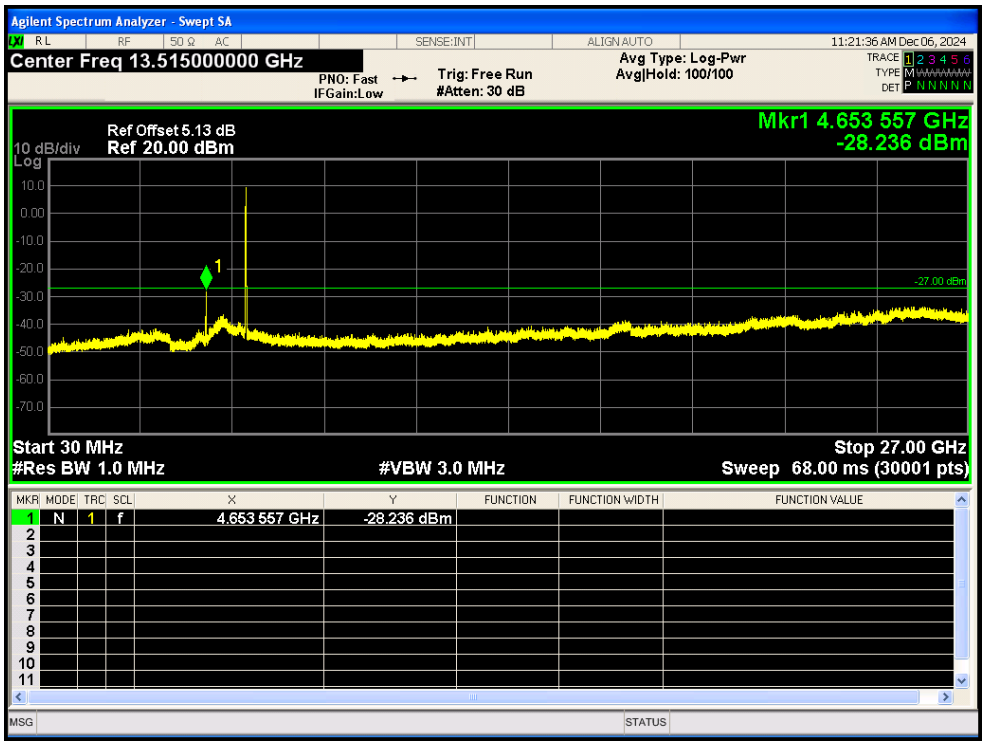
Tx. Spurious NVNT a 5745MHz Ant1 Emission



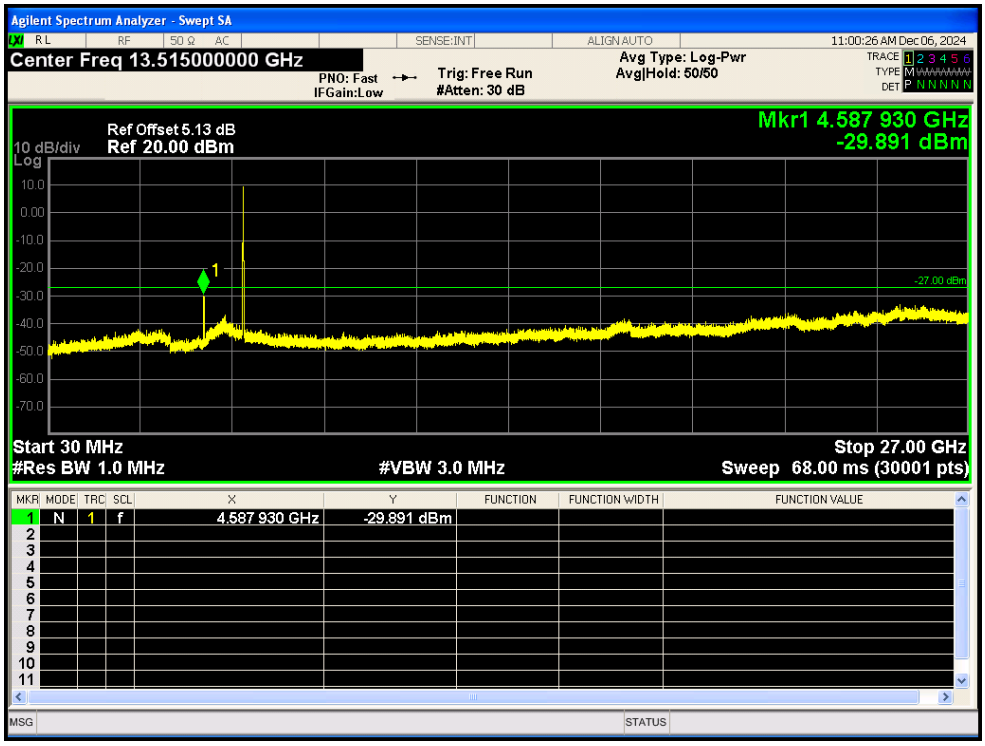
Tx. Spurious NVNT a 5785MHz Ant1 Emission



Tx. Spurious NVNT a 5825MHz Ant1 Emission



Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



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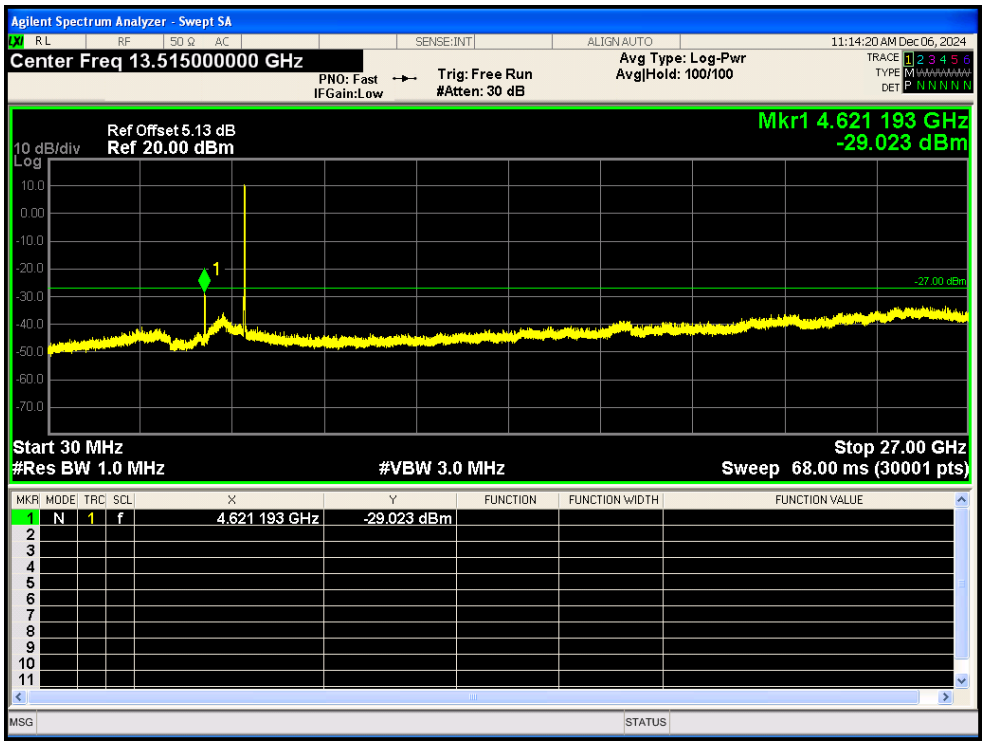
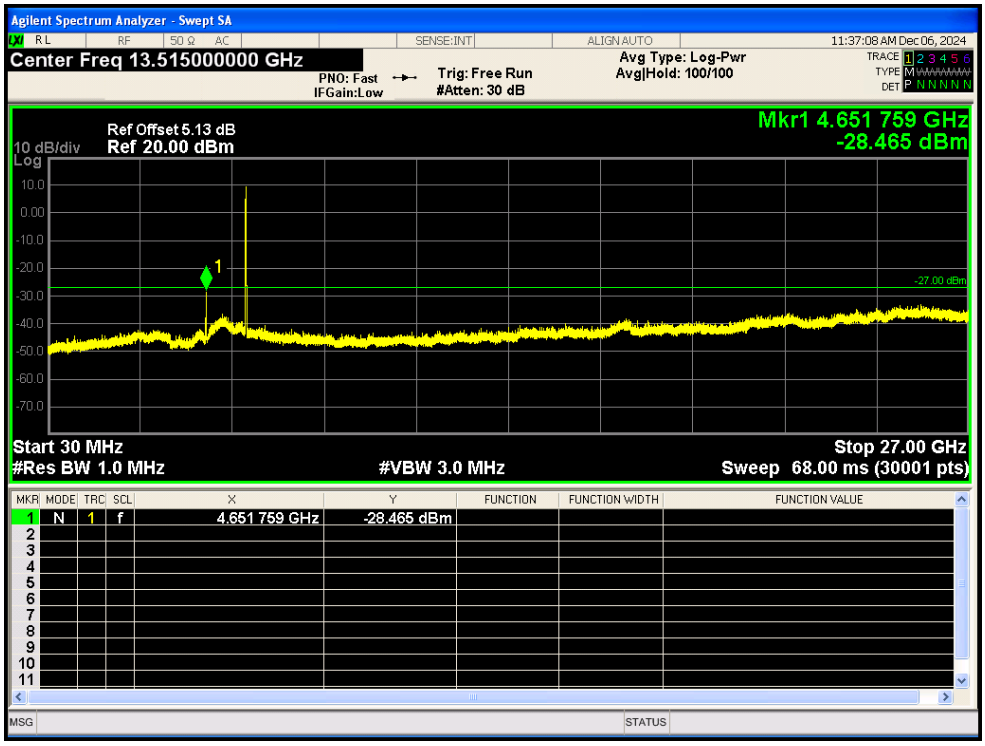
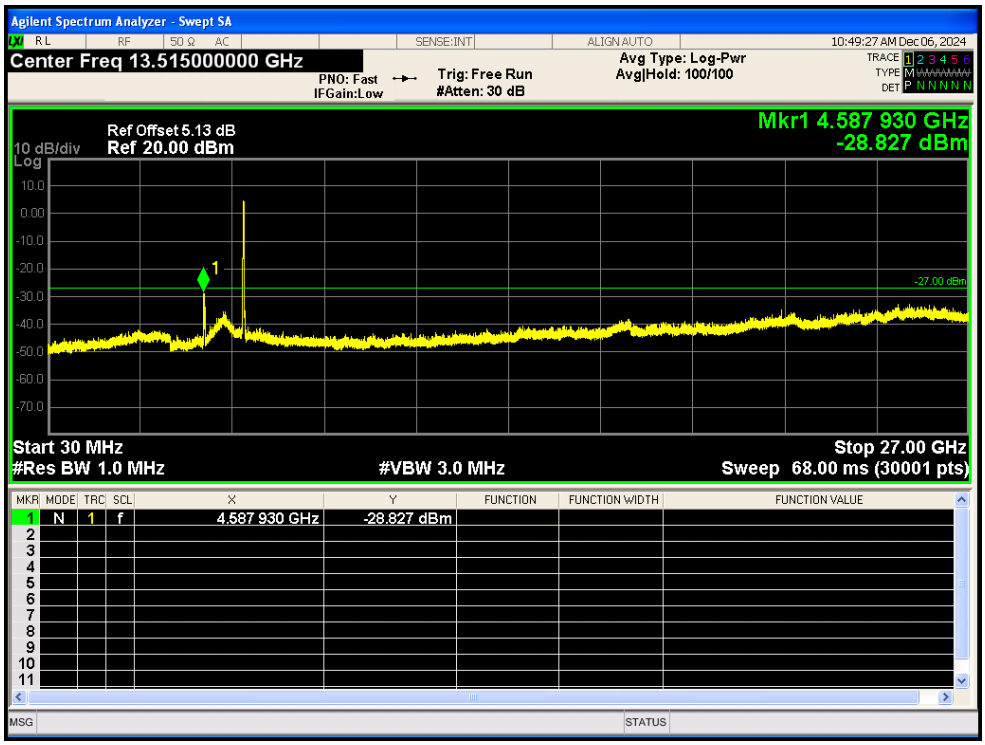


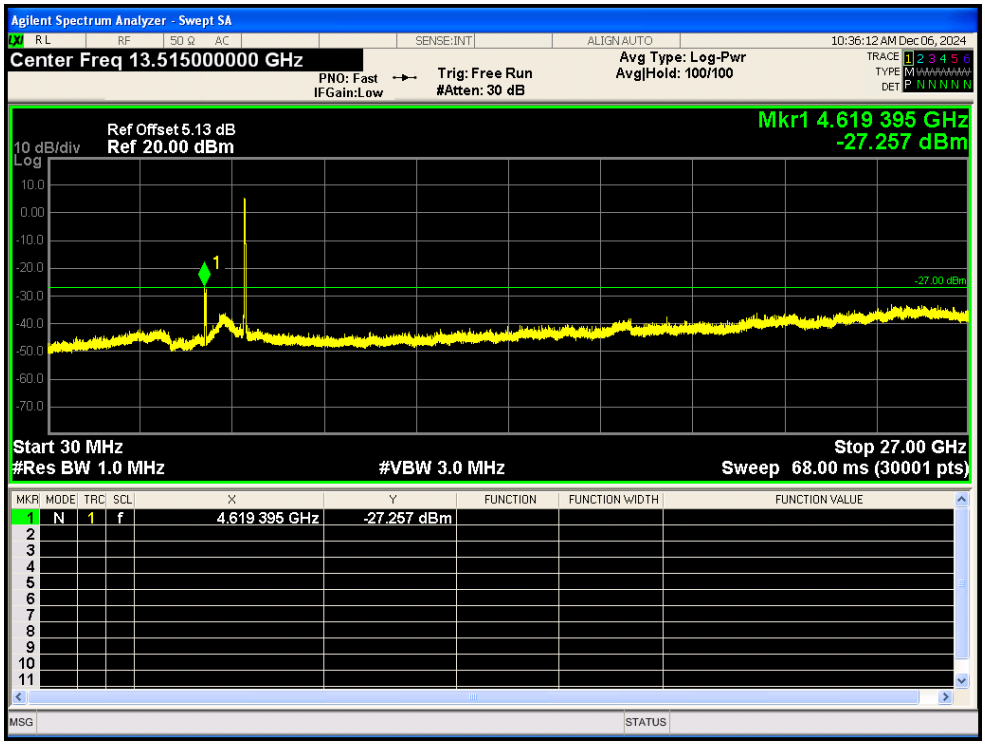
Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



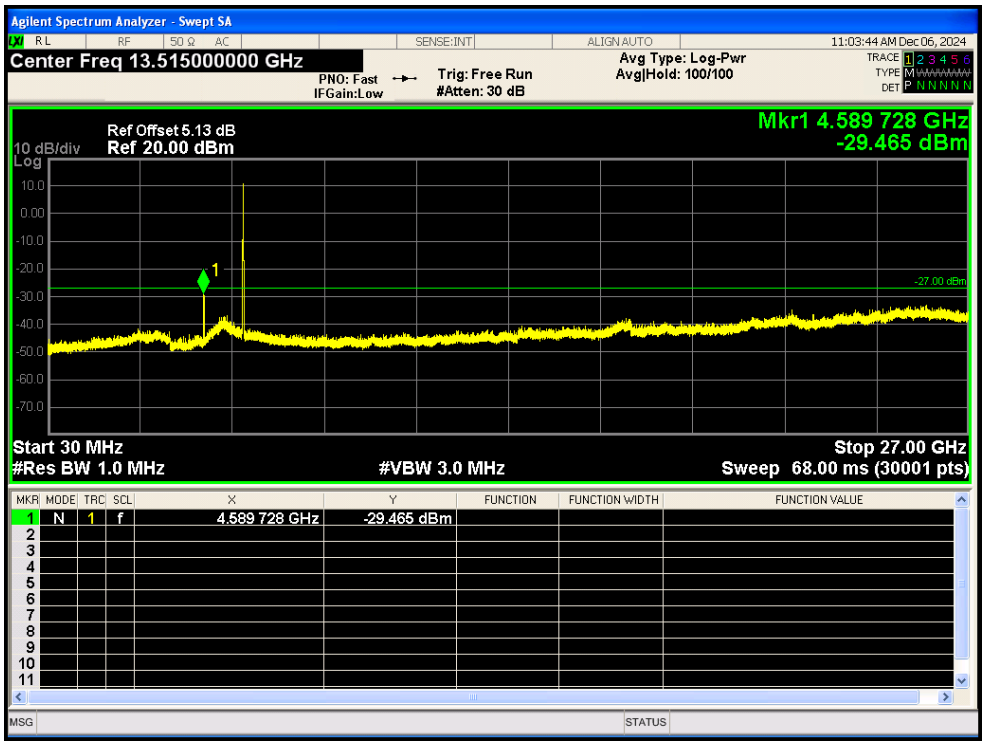
Tx. Spurious NVNT ac40 5755MHz Ant1 Emission



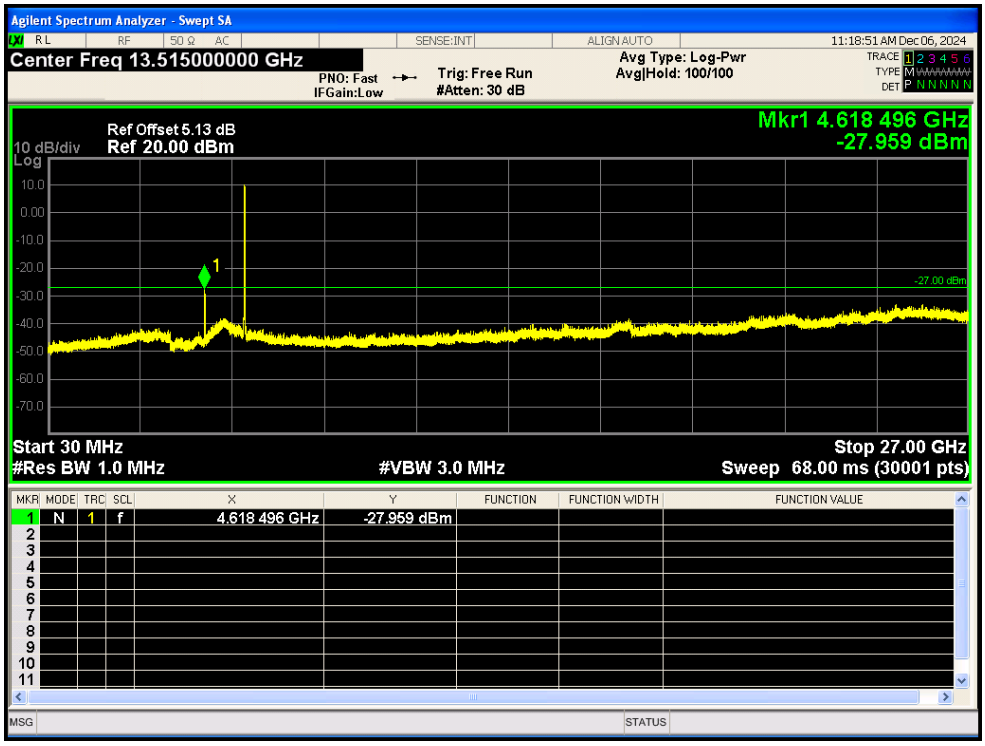
Tx. Spurious NVNT ac40 5795MHz Ant1 Emission



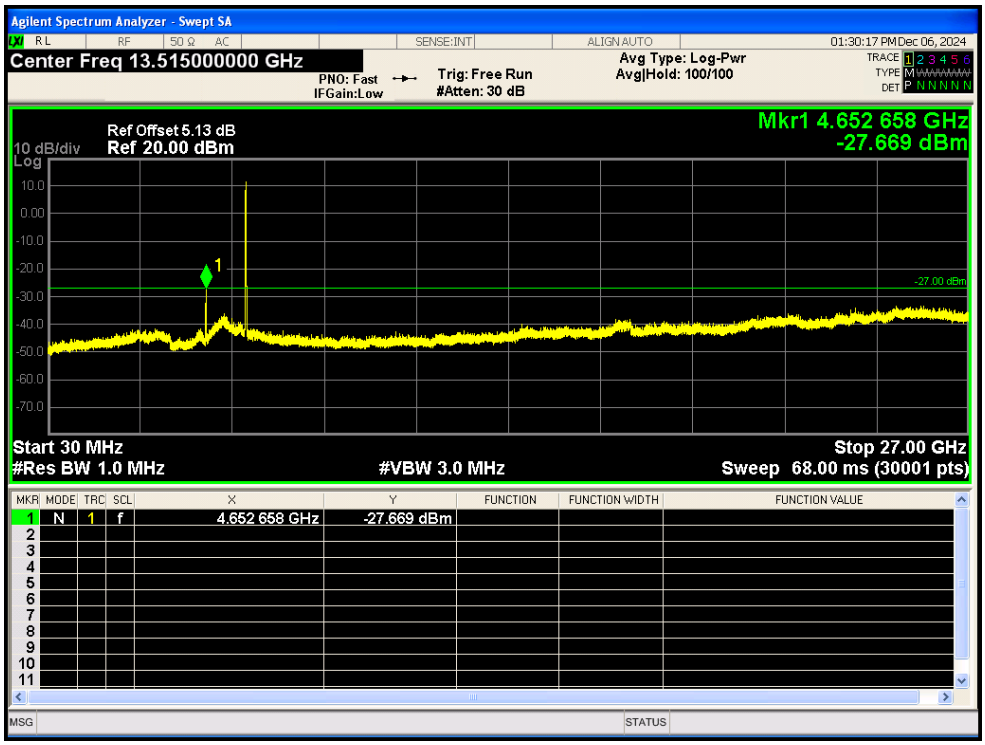
Tx. Spurious NVNT ax20 5745MHz Ant1 Emission



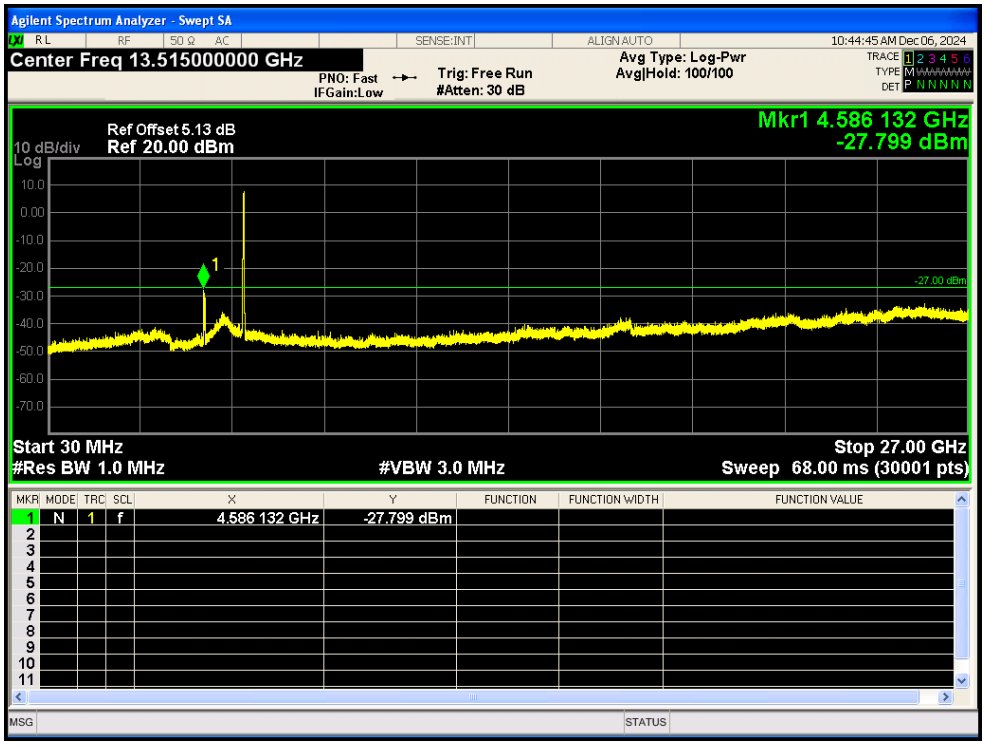
Tx. Spurious NVNT ax20 5785MHz Ant1 Emission



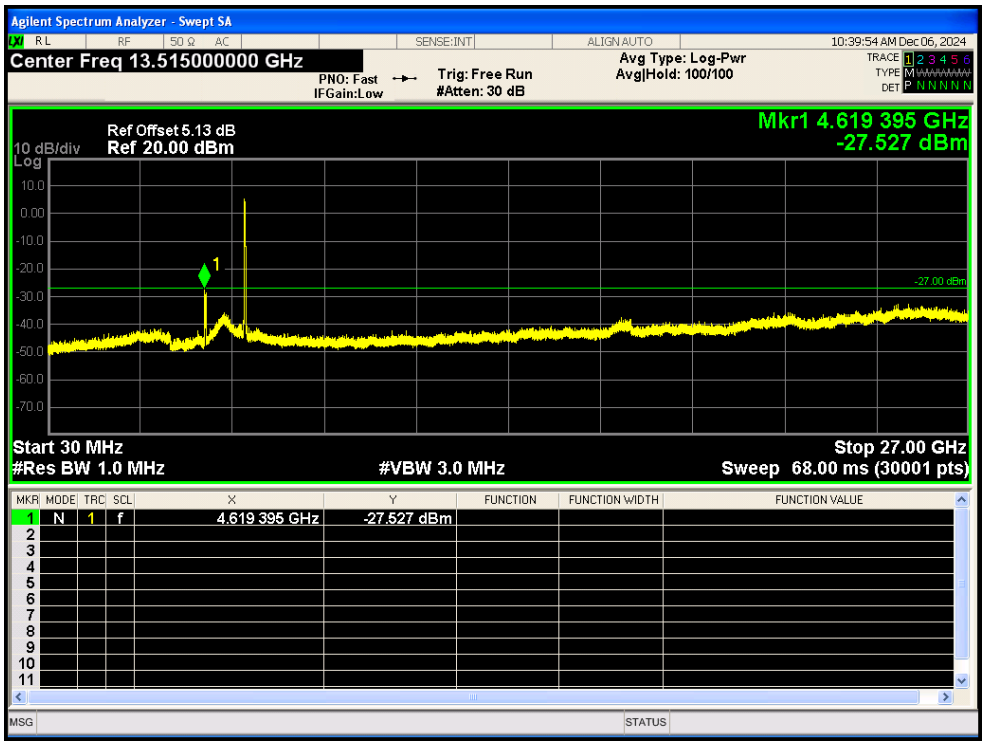
Tx. Spurious NVNT ax20 5825MHz Ant1 Emission



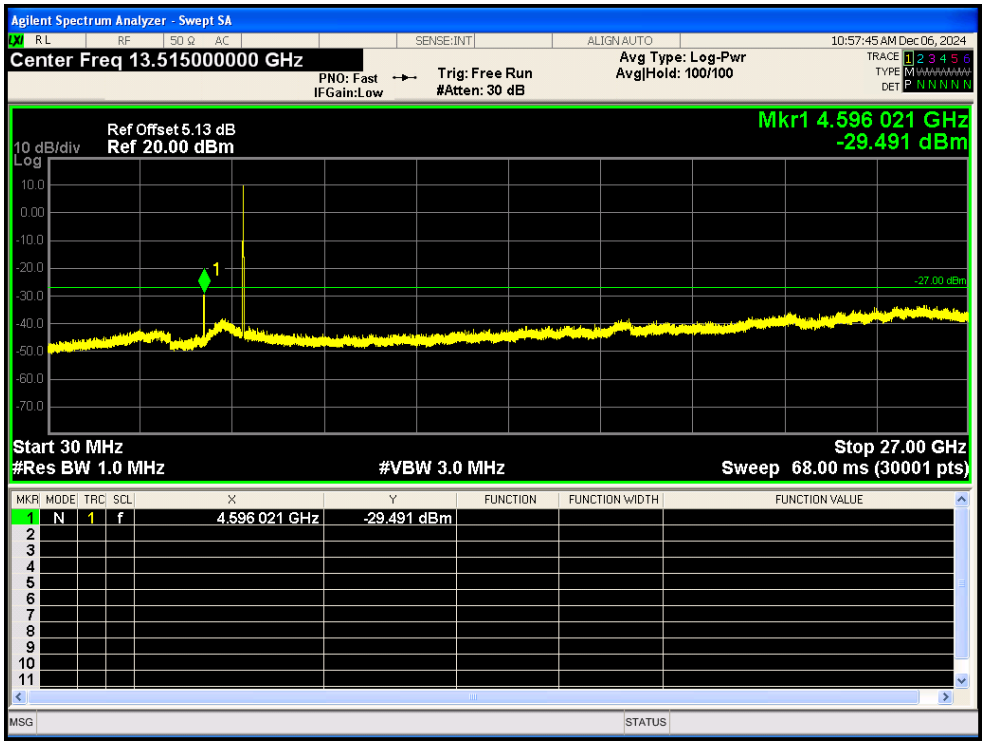
Tx. Spurious NVNT ax40 5755MHz Ant1 Emission



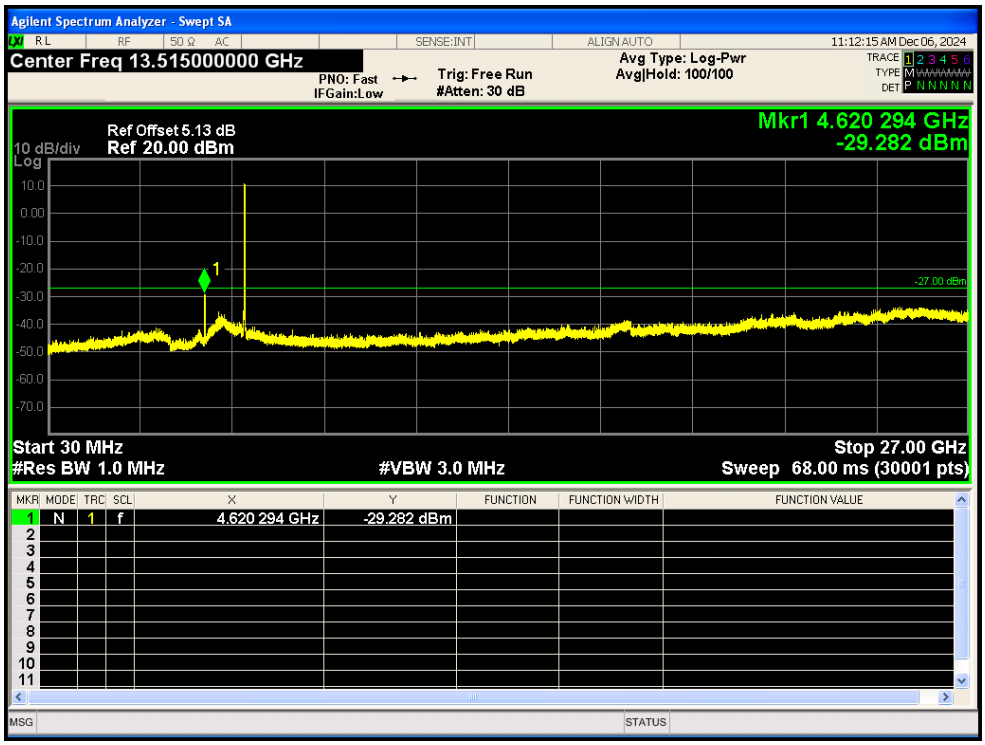
Tx. Spurious NVNT ax40 5795MHz Ant1 Emission



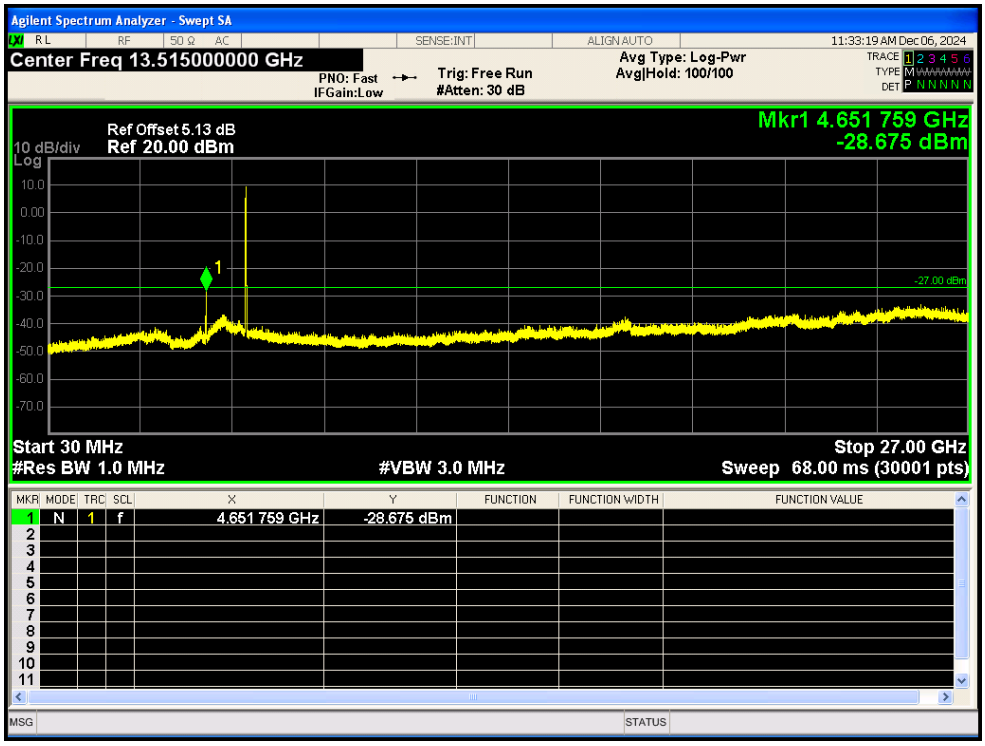
Tx. Spurious NVNT n20 5745MHz Ant1 Emission



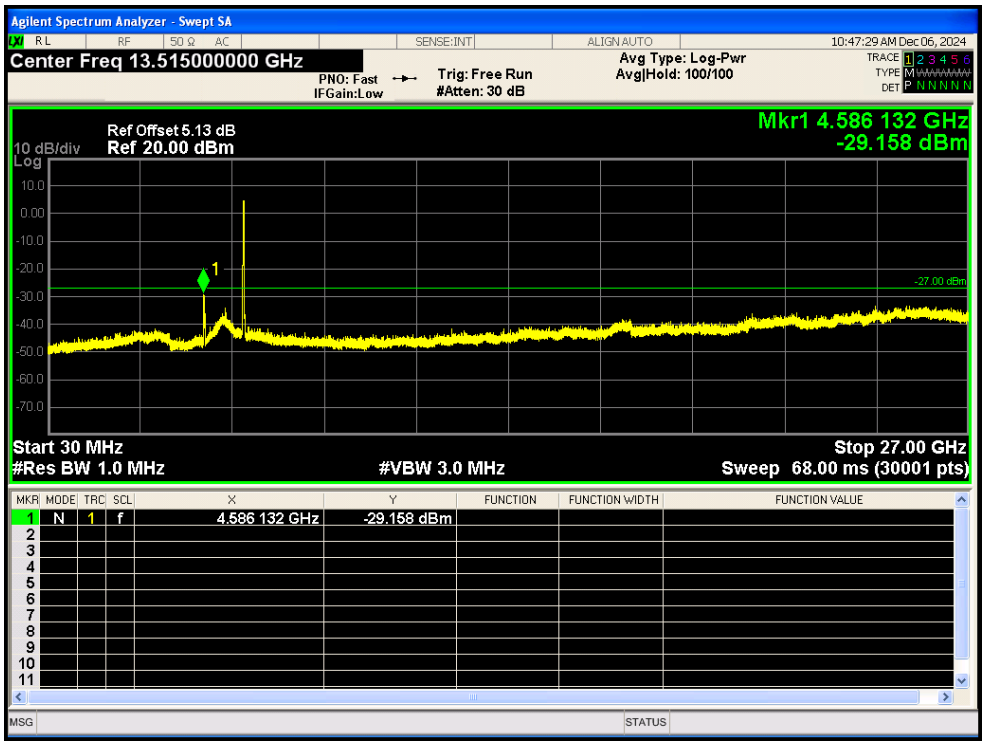
Tx. Spurious NVNT n20 5785MHz Ant1 Emission



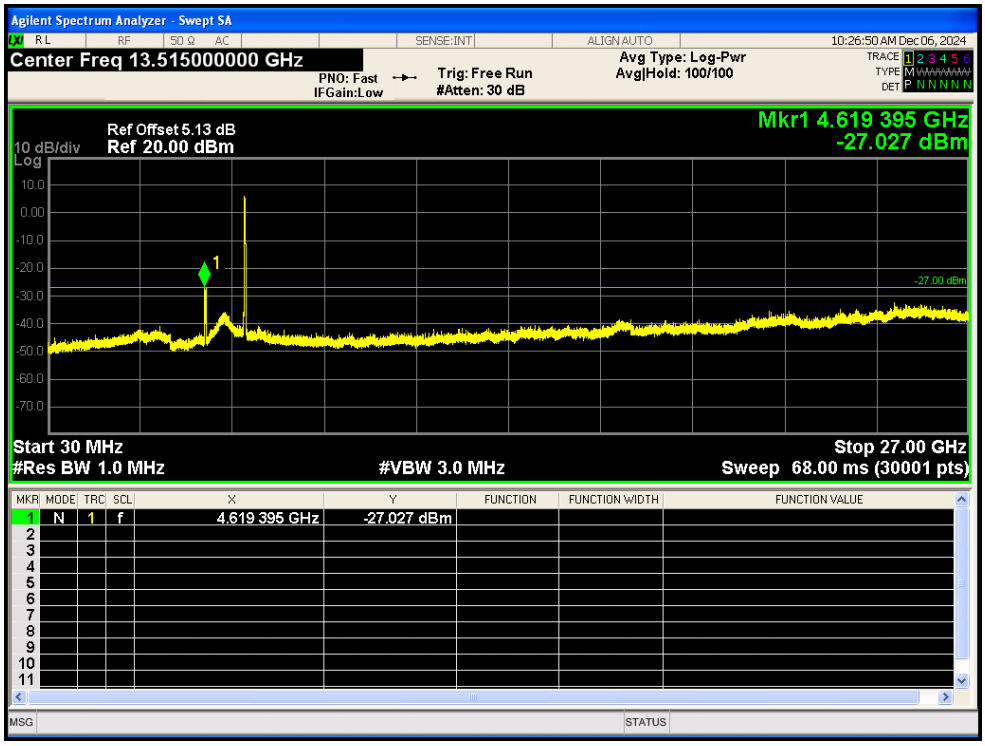
Tx. Spurious NVNT n20 5825MHz Ant1 Emission



Tx. Spurious NVNT n40 5755MHz Ant1 Emission



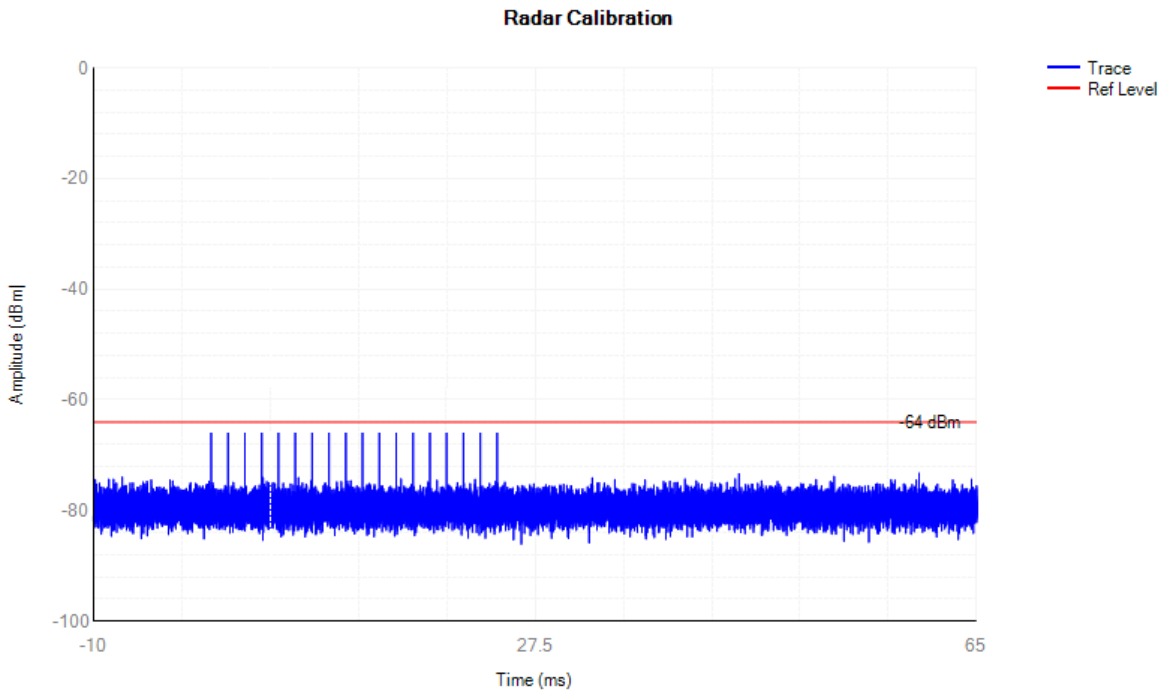
Tx. Spurious NVNT n40 5795MHz Ant1 Emission



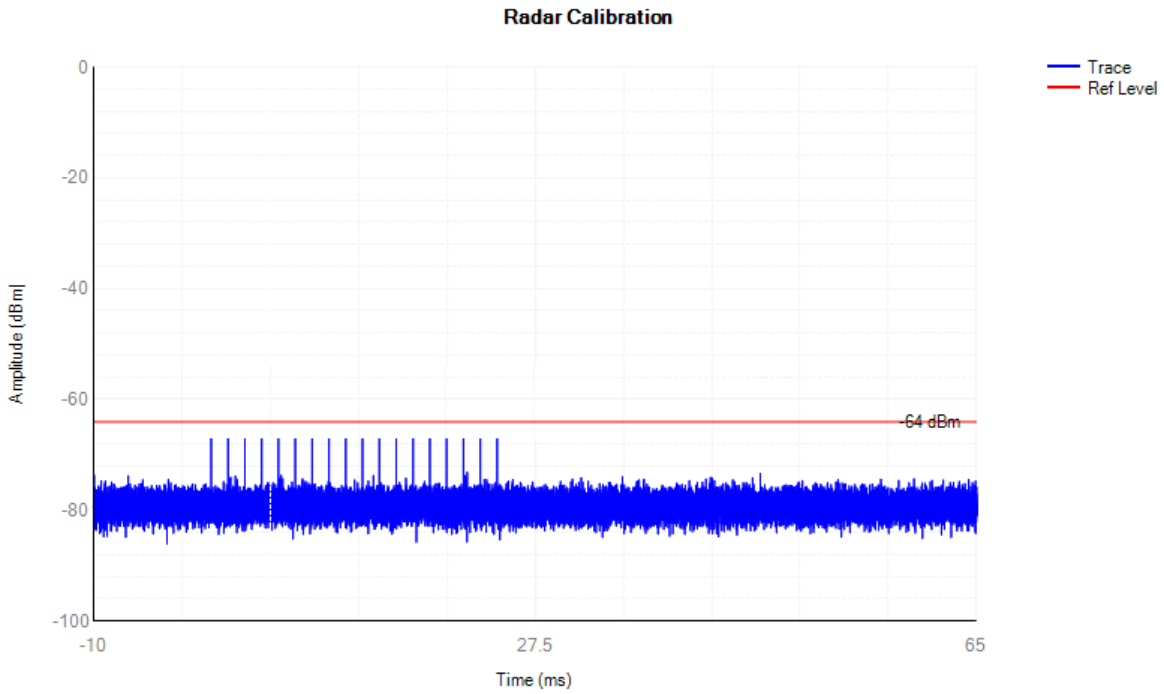
DFS

Calibration

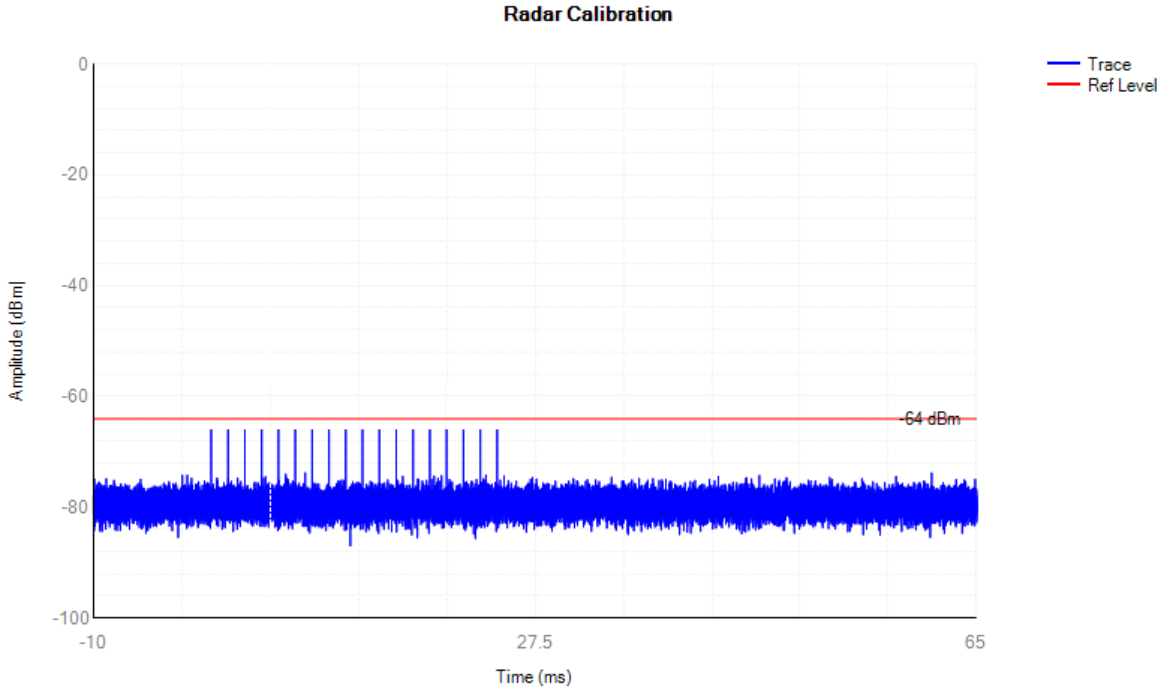
5260MHz a DFS_FCC_T0



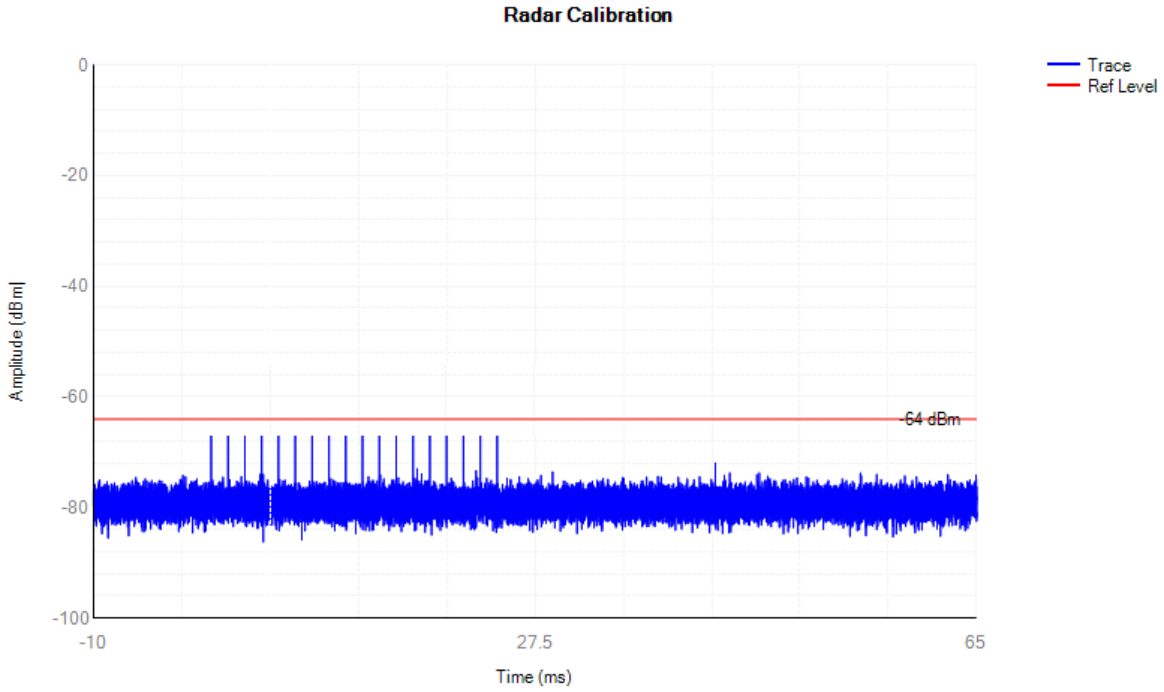
5500MHz a DFS_FCC_T0



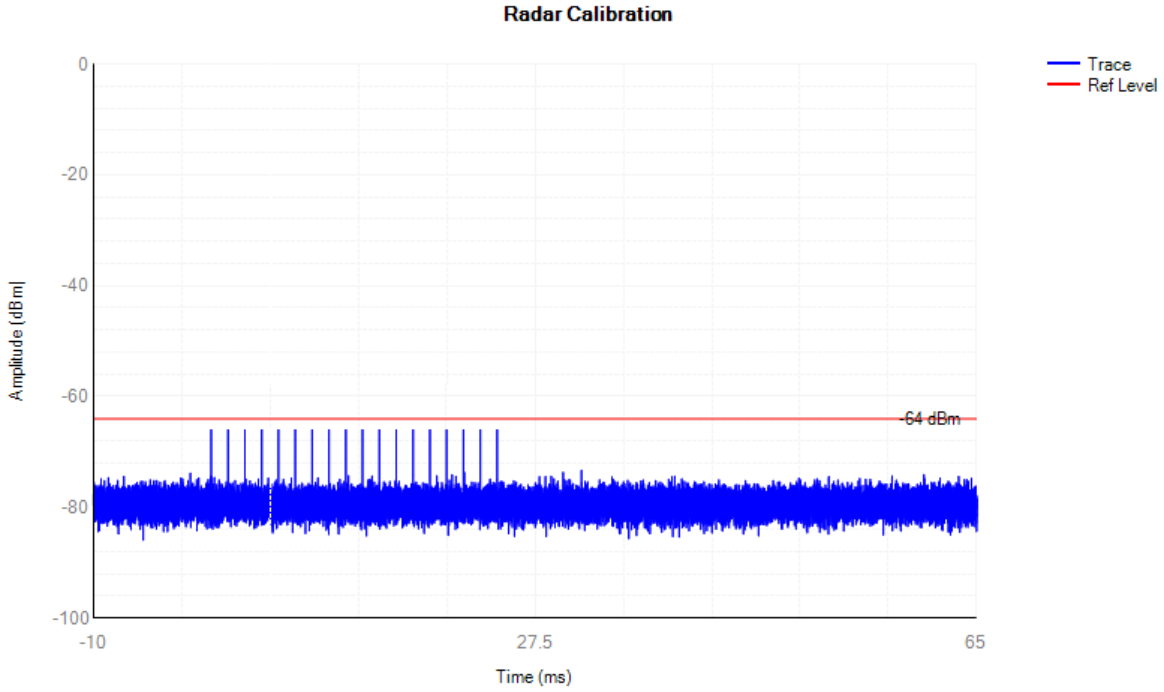
5270MHz ax40 DFS_FCC_T0



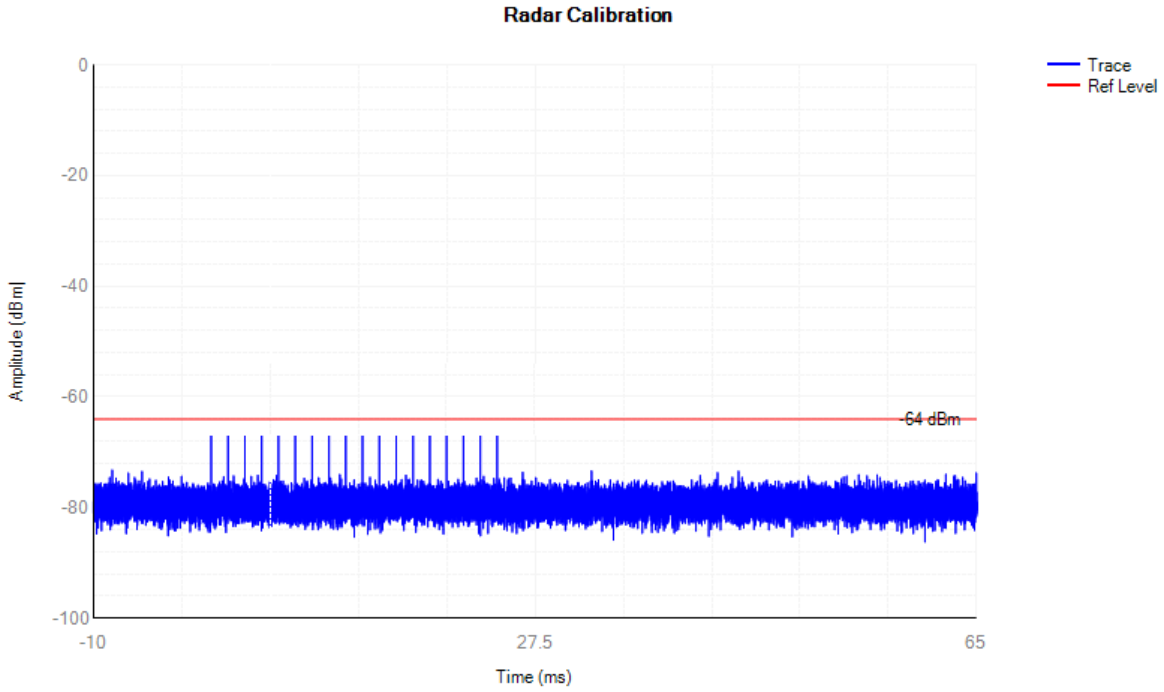
5510MHz ax40 DFS_FCC_T0



5270MHz n40 DFS_FCC_T0

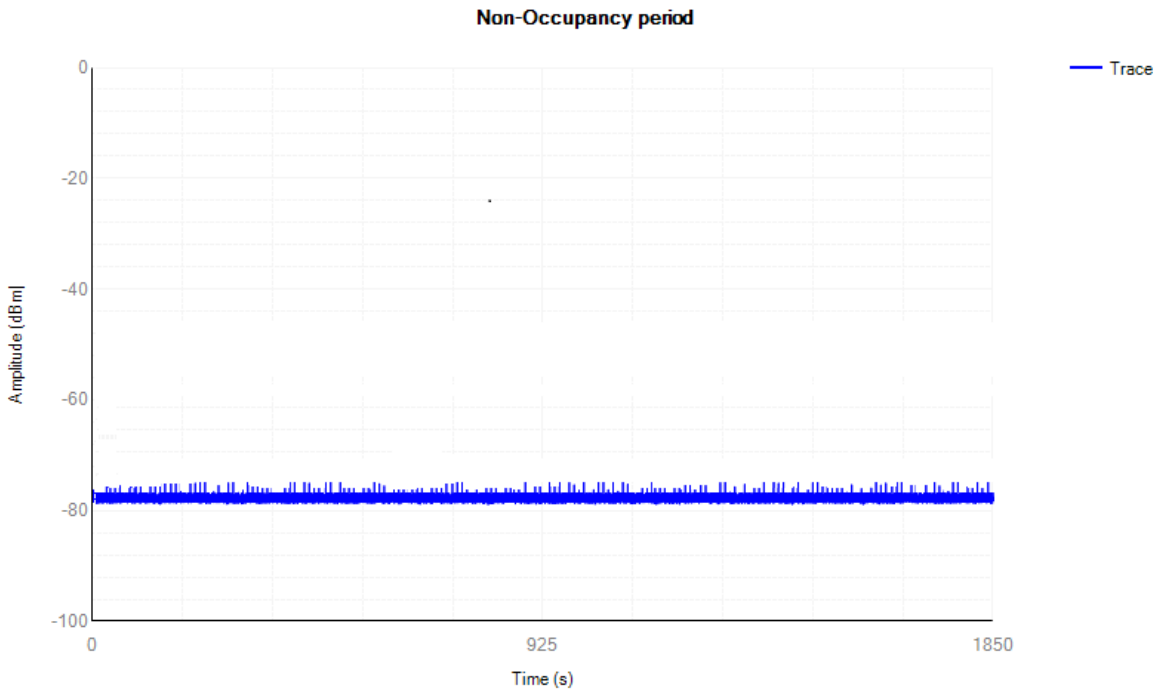


5510MHz n40 DFS_FCC_T0

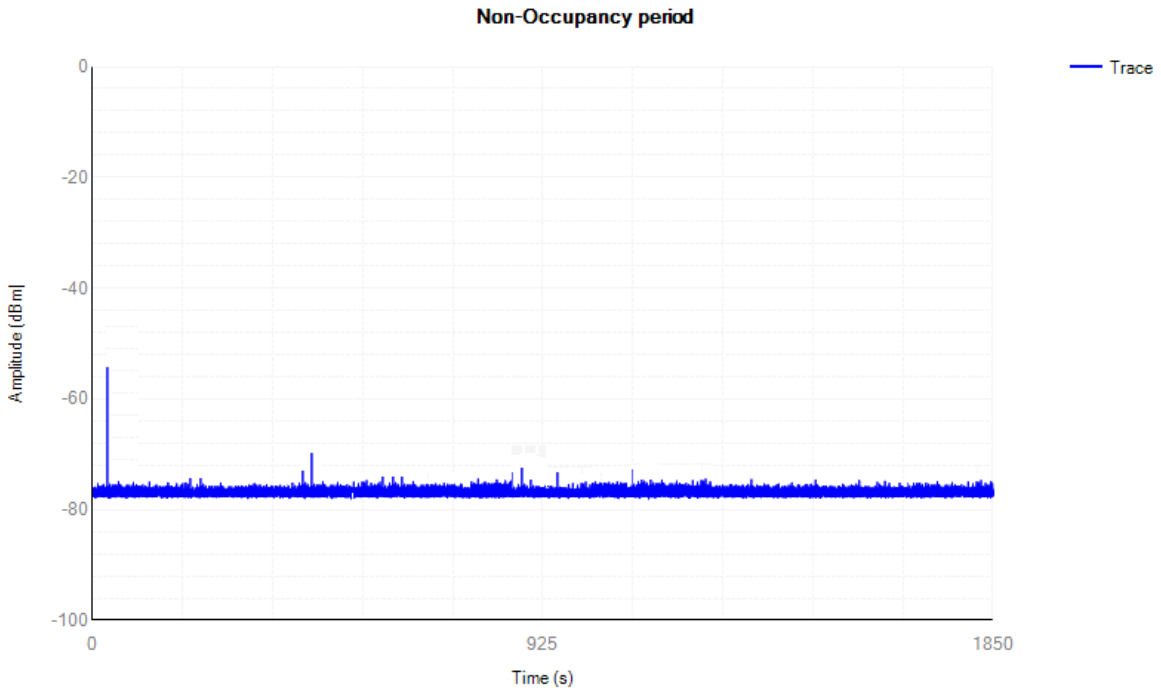


Non-Occupancy

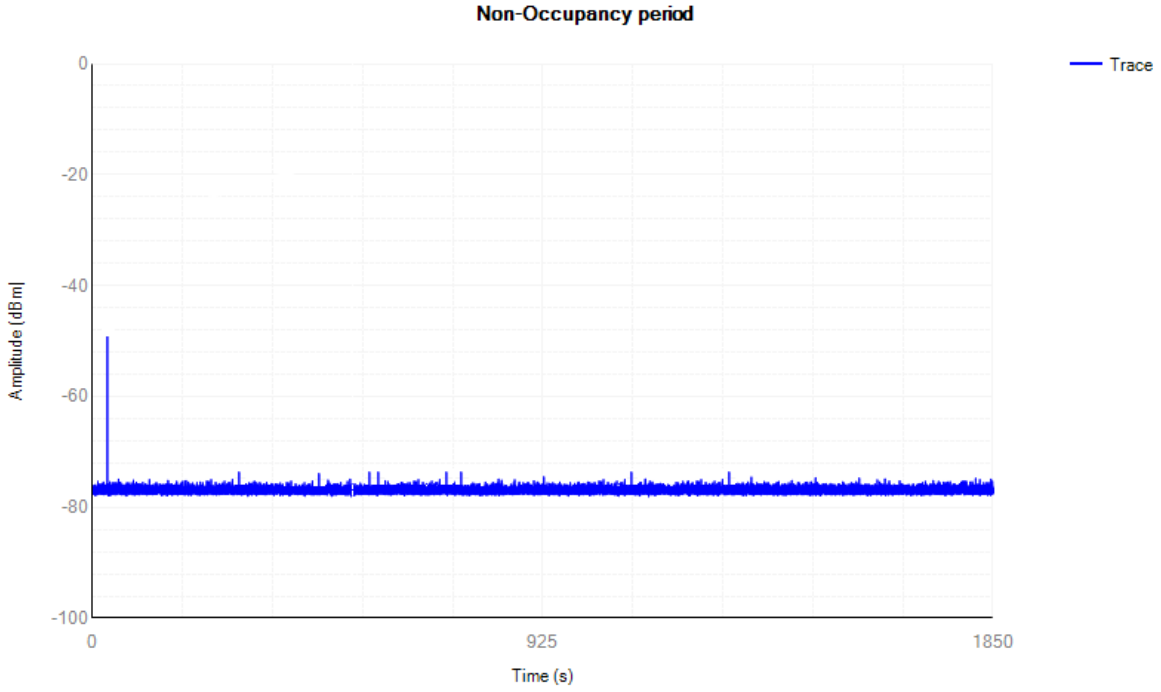
5260MHz a Non-Occupancy



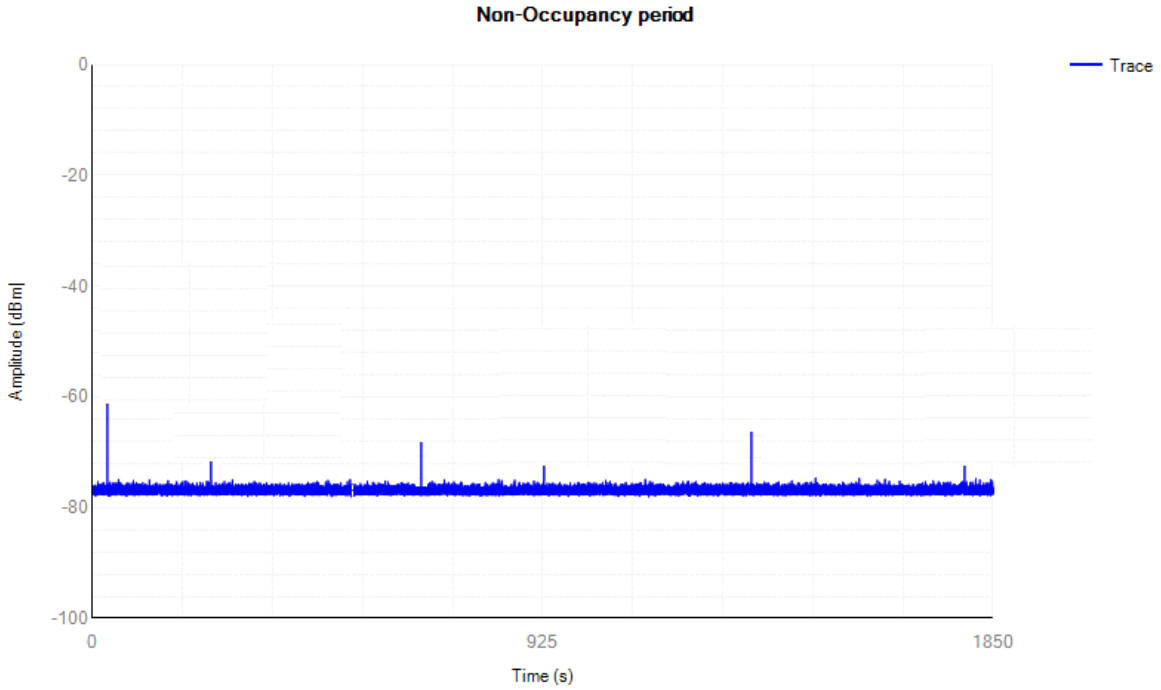
5500MHz a Non-Occupancy



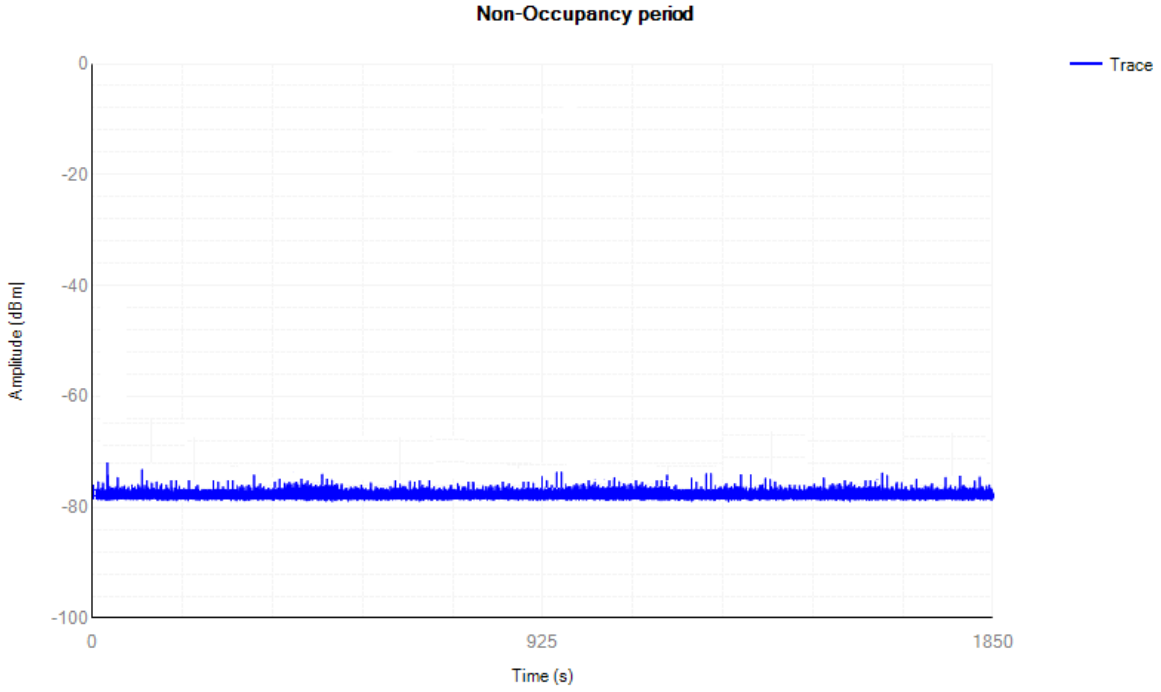
5270MHz ax40 Non-Occupancy



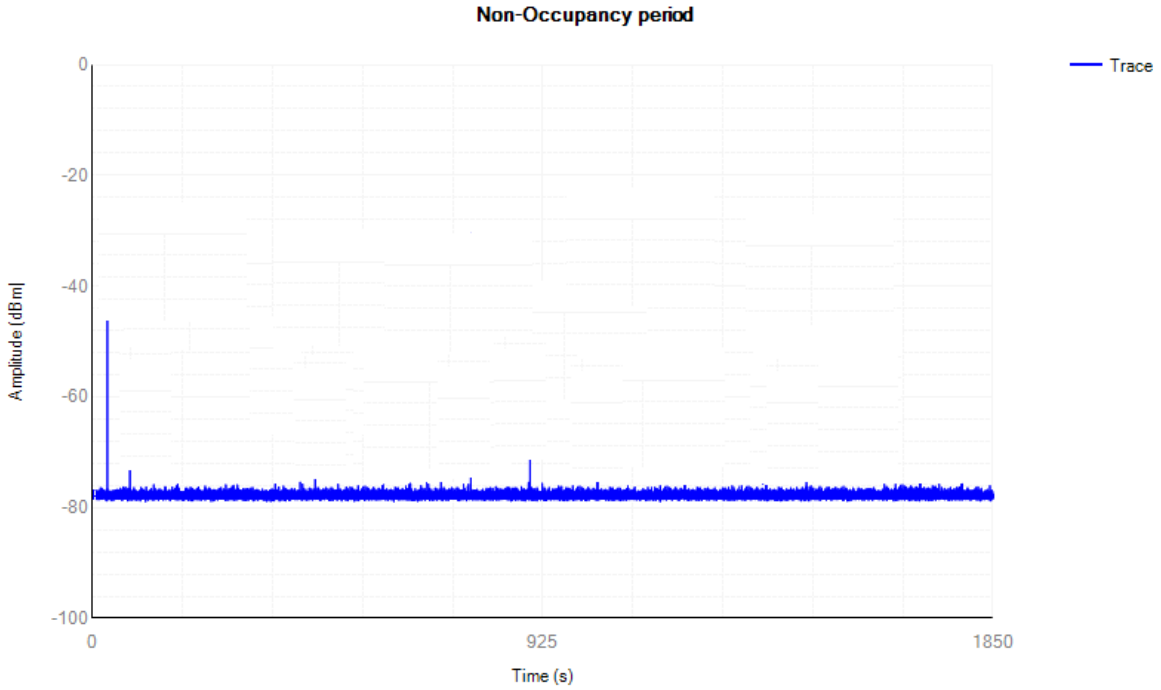
5510MHz ax40 Non-Occupancy



5270MHz n40 Non-Occupancy



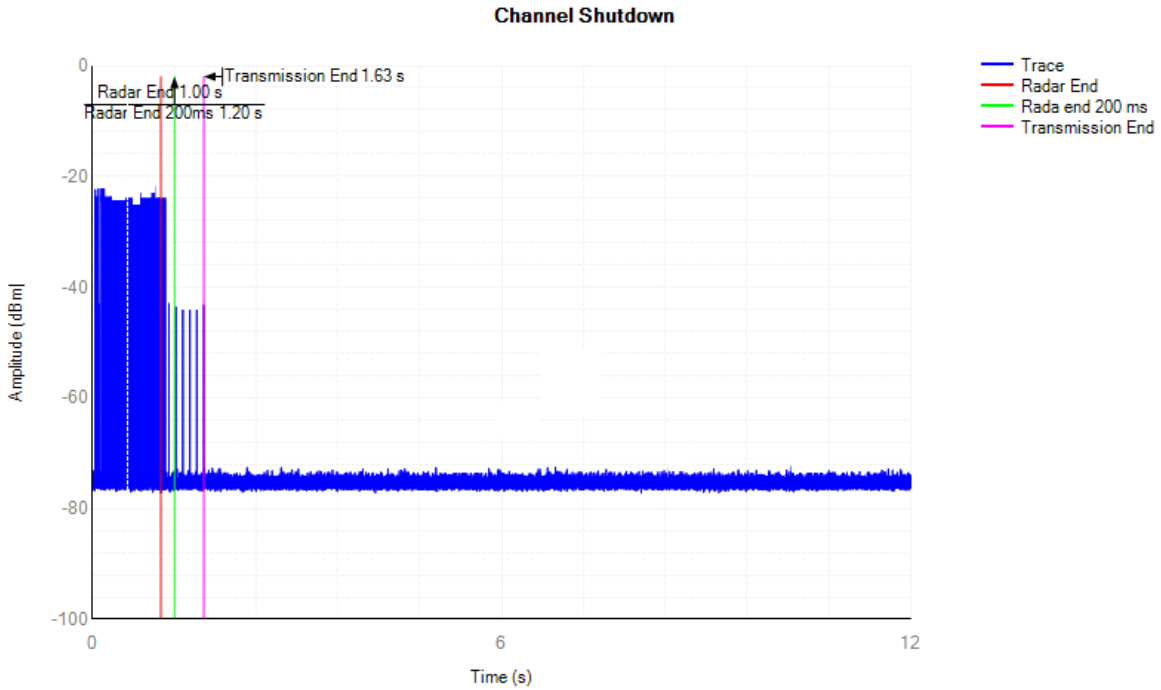
5510MHz n40 Non-Occupancy



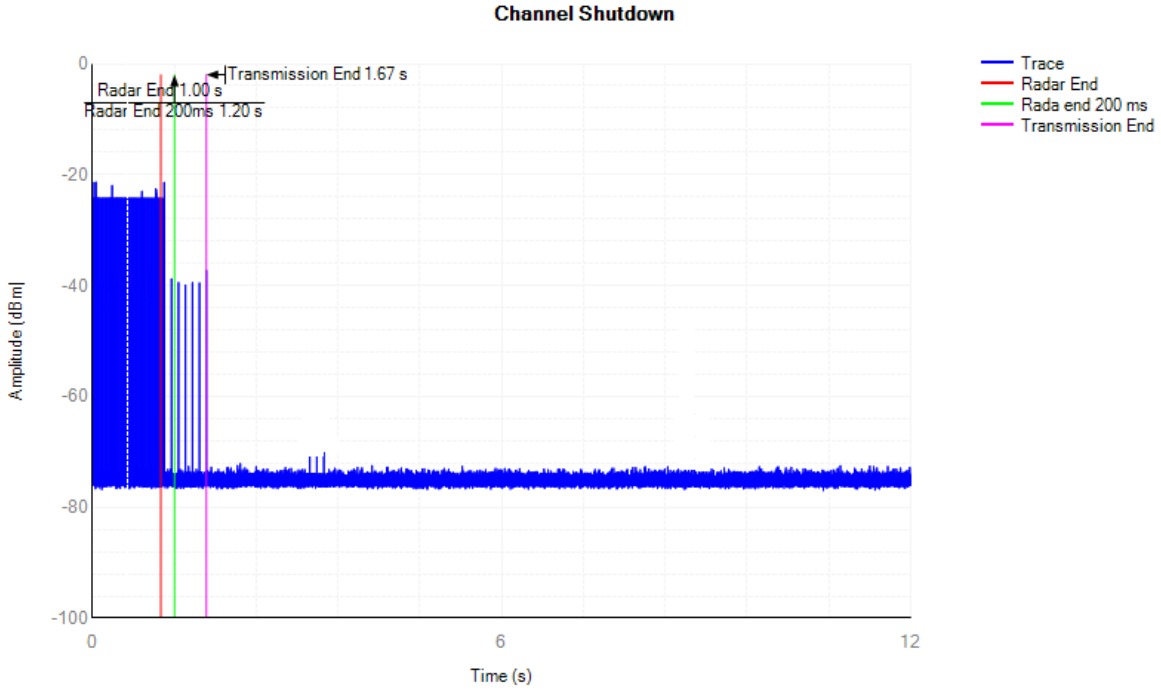
Shutdown Time

Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
a	5260	0.63	10	0.006	0.26	0.002	0.06	Pass
a	5500	0.6684	10	0.0072	0.26	0.002	0.06	Pass
ax40	5270	0.0648	10	0.0036	0.26	0	0.06	Pass
ax40	5510	0.3752	10	0.0052	0.26	0.0008	0.06	Pass
n40	5270	0.404	10	0.002	0.26	0.0012	0.06	Pass
n40	5510	0.0724	10	0.002	0.26	0	0.06	Pass

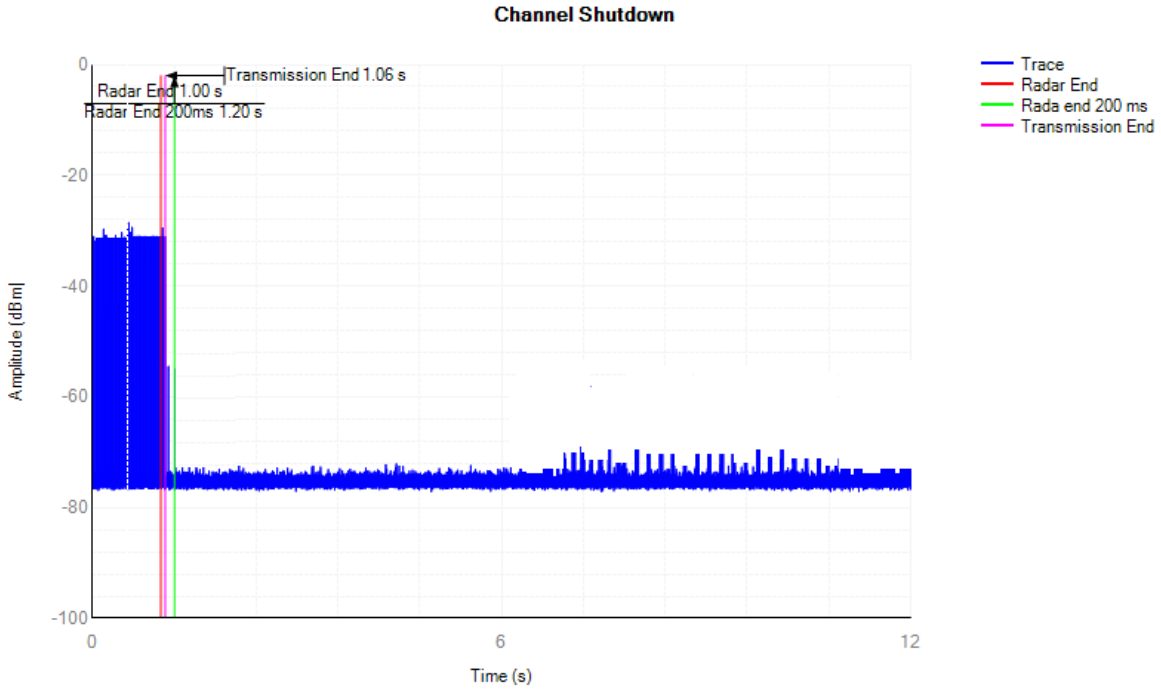
5260MHz a Shutdown



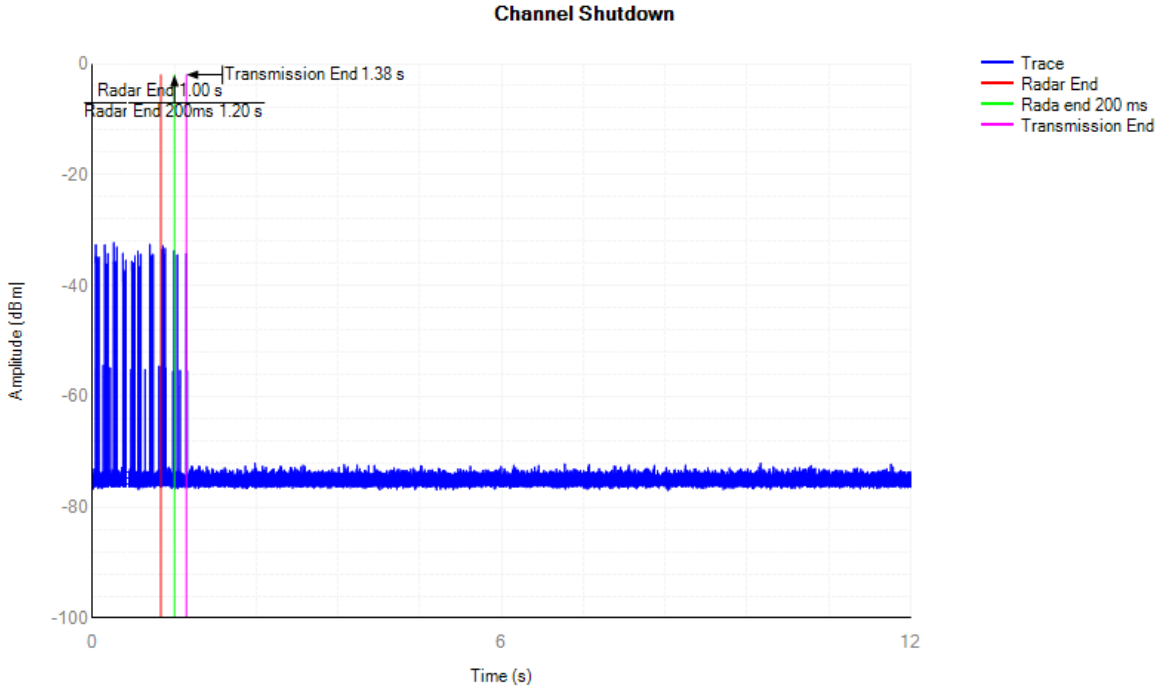
5500MHz a Shutdown



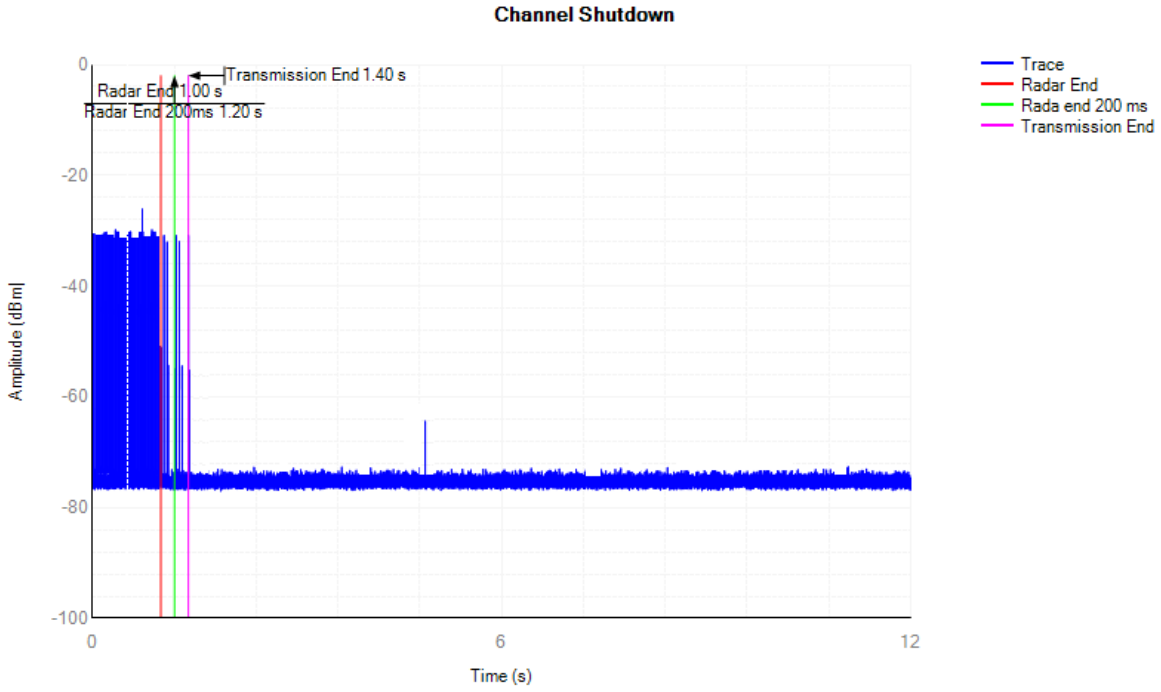
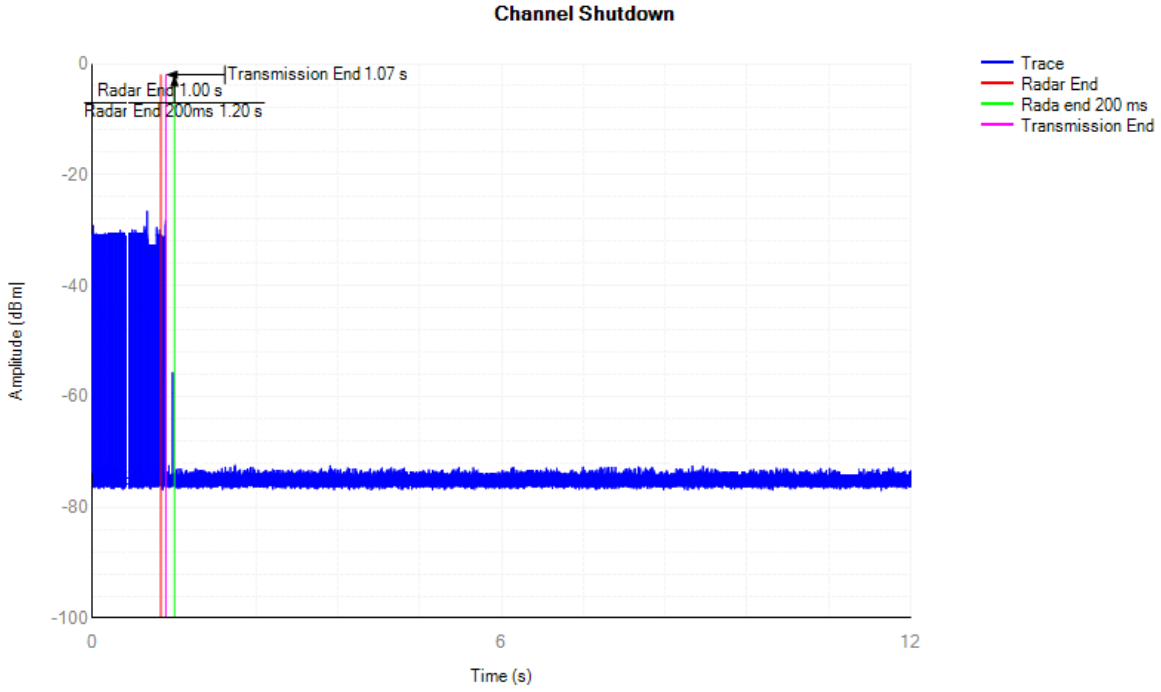
5270MHz ax40 Shutdown



5510MHz ax40 Shutdown



5270MHz n40 Shutdown



5510MHz n40 Shutdown