

1. Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	79.98	0.97	5.18
NVNT	a	5785	Ant1	80.48	0.94	5.18
NVNT	a	5825	Ant1	80.65	0.93	5.19
NVNT	a	5745	Ant2	80.38	0.95	5.18
NVNT	a	5785	Ant2	80.27	0.95	5.18
NVNT	a	5825	Ant2	80.48	0.94	5.18
NVNT	ac20	5745	Sum	87.2	0.59	3.12
NVNT	ac20	5785	Sum	87.2	0.59	3.12
NVNT	ac20	5825	Sum	87.12	0.6	3.12
NVNT	ac40	5755	Sum	86.25	0.64	3.32
NVNT	ac40	5795	Sum	86.39	0.64	3.32
NVNT	ac80	5775	Sum	85.91	0.66	3.45
NVNT	n20	5745	Sum	88.16	0.55	2.83
NVNT	n20	5785	Sum	88.22	0.54	2.83
NVNT	n20	5825	Sum	88.22	0.54	2.83
NVNT	n40	5755	Sum	87.94	0.56	2.93
NVNT	n40	5795	Sum	87.89	0.56	2.93

Test Graphs

Duty Cycle NVNT a 5825MHz Ant1

Duty Cycle NVNT a 5785MHz Ant2

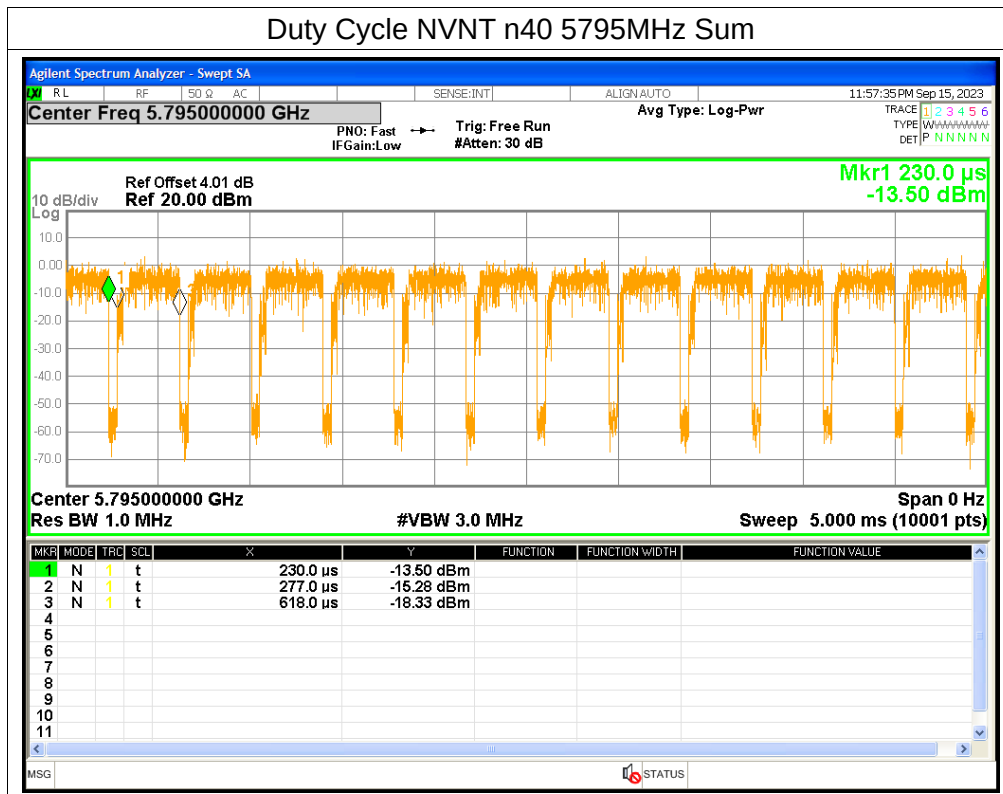
Duty Cycle NVNT ac20 5745MHz Sum

Duty Cycle NVNT ac20 5825MHz Sum

Duty Cycle NVNT ac40 5795MHz Sum

Duty Cycle NVNT n20 5745MHz Sum

Duty Cycle NVNT n20 5825MHz Sum

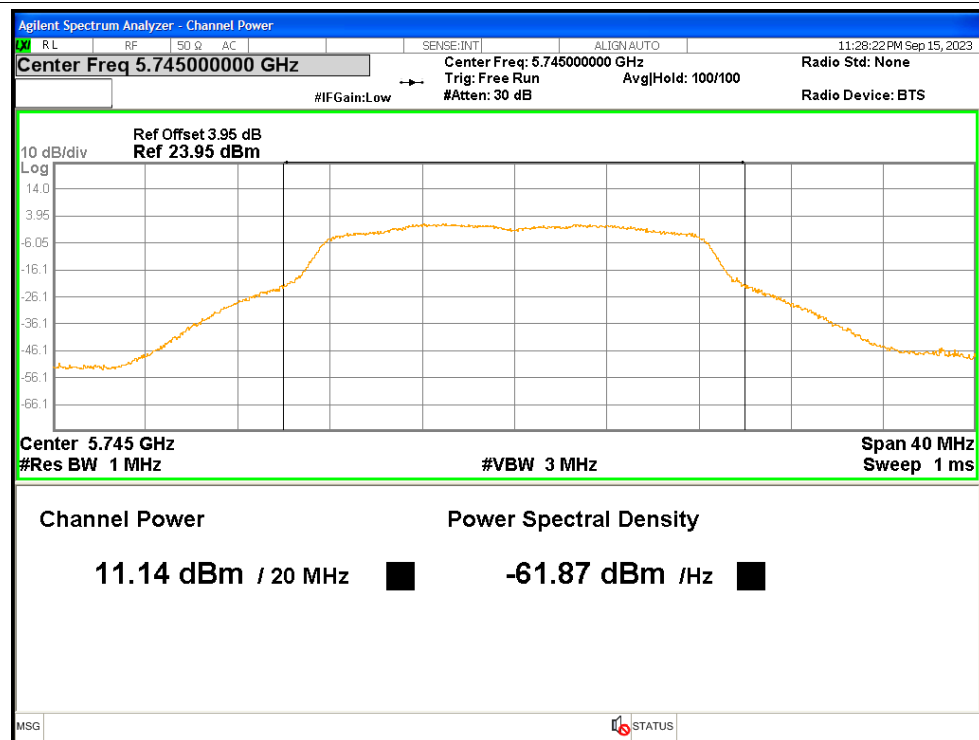


2. Maximum Conducted Output Power

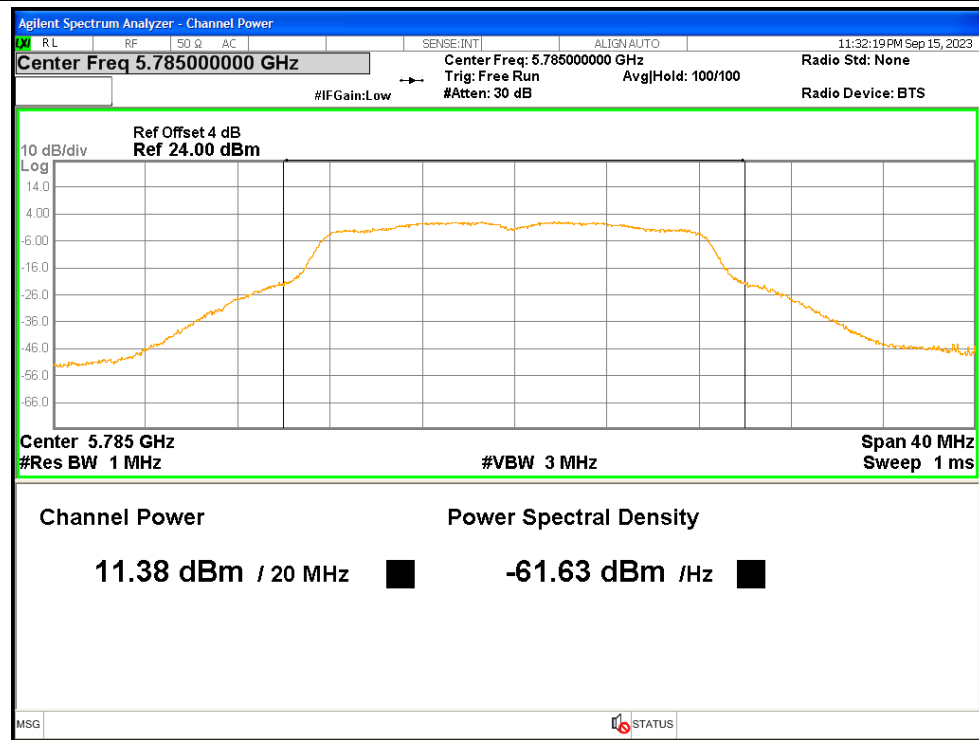
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	11.14	0.97	12.11	<=30	Pass
NVNT	a	5785	Ant1	11.38	0.94	12.32	<=30	Pass
NVNT	a	5825	Ant1	11.3	0.93	12.23	<=30	Pass
NVNT	a	5745	Ant2	10.97	0.95	11.92	<=30	Pass
NVNT	a	5785	Ant2	10.96	0.95	11.91	<=30	Pass
NVNT	a	5825	Ant2	11.31	0.94	12.25	<=30	Pass
NVNT	ac20	5745	Ant1	11.31	0.59	11.9	<=30	Pass
NVNT	ac20	5745	Ant2	11.11	0.59	11.7	<=30	Pass
NVNT	ac20	5745	Sum	14.22	0.59	14.81	<=30	Pass
NVNT	ac20	5785	Ant1	11.65	0.59	12.24	<=30	Pass
NVNT	ac20	5785	Ant2	11.08	0.59	11.67	<=30	Pass
NVNT	ac20	5785	Sum	14.38	0.59	14.97	<=30	Pass
NVNT	ac20	5825	Ant1	11.64	0.6	12.24	<=30	Pass
NVNT	ac20	5825	Ant2	11.4	0.6	12	<=30	Pass
NVNT	ac20	5825	Sum	14.53	0.6	15.13	<=30	Pass
NVNT	ac40	5755	Ant1	11.84	0.64	12.48	<=30	Pass
NVNT	ac40	5755	Ant2	11.74	0.64	12.38	<=30	Pass
NVNT	ac40	5755	Sum	14.8	0.64	15.44	<=30	Pass
NVNT	ac40	5795	Ant1	12.37	0.64	13.01	<=30	Pass
NVNT	ac40	5795	Ant2	11.78	0.64	12.42	<=30	Pass
NVNT	ac40	5795	Sum	15.1	0.64	15.74	<=30	Pass
NVNT	ac80	5775	Ant1	12.38	0.66	13.04	<=30	Pass
NVNT	ac80	5775	Ant2	12.01	0.66	12.67	<=30	Pass
NVNT	ac80	5775	Sum	15.21	0.66	15.87	<=30	Pass
NVNT	n20	5745	Ant1	11.36	0.55	11.91	<=30	Pass
NVNT	n20	5745	Ant2	11.21	0.55	11.76	<=30	Pass
NVNT	n20	5745	Sum	14.3	0.55	14.85	<=30	Pass
NVNT	n20	5785	Ant1	11.72	0.54	12.26	<=30	Pass
NVNT	n20	5785	Ant2	11.12	0.54	11.66	<=30	Pass
NVNT	n20	5785	Sum	14.44	0.54	14.98	<=30	Pass
NVNT	n20	5825	Ant1	11.68	0.54	12.22	<=30	Pass
NVNT	n20	5825	Ant2	11.51	0.54	12.05	<=30	Pass
NVNT	n20	5825	Sum	14.61	0.54	15.15	<=30	Pass
NVNT	n40	5755	Ant1	11.9	0.56	12.46	<=30	Pass
NVNT	n40	5755	Ant2	11.83	0.56	12.39	<=30	Pass
NVNT	n40	5755	Sum	14.88	0.56	15.44	<=30	Pass
NVNT	n40	5795	Ant1	12.36	0.56	12.92	<=30	Pass
NVNT	n40	5795	Ant2	11.9	0.56	12.46	<=30	Pass
NVNT	n40	5795	Sum	15.15	0.56	15.71	<=30	Pass

Test Graphs

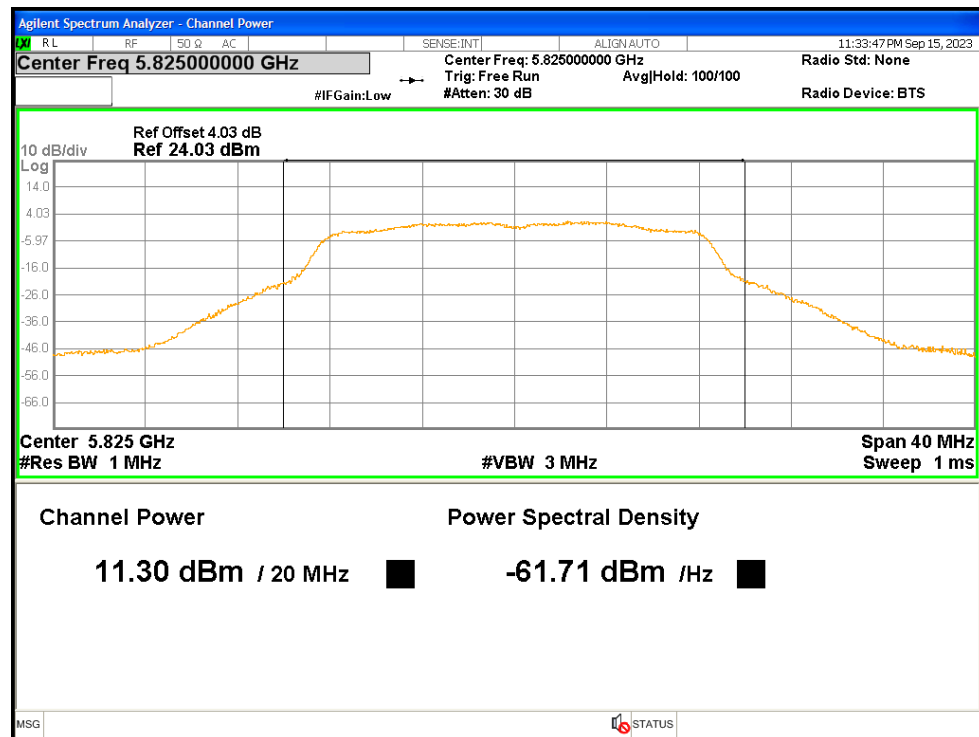
Power NVNT a 5745MHz Ant1



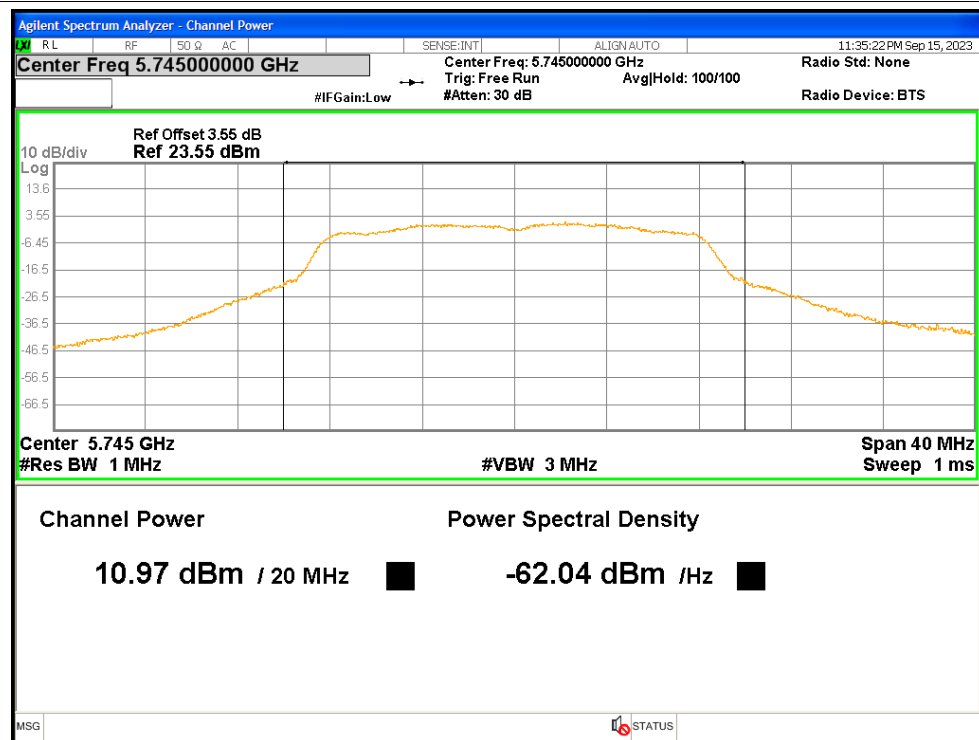
Power NVNT a 5785MHz Ant1



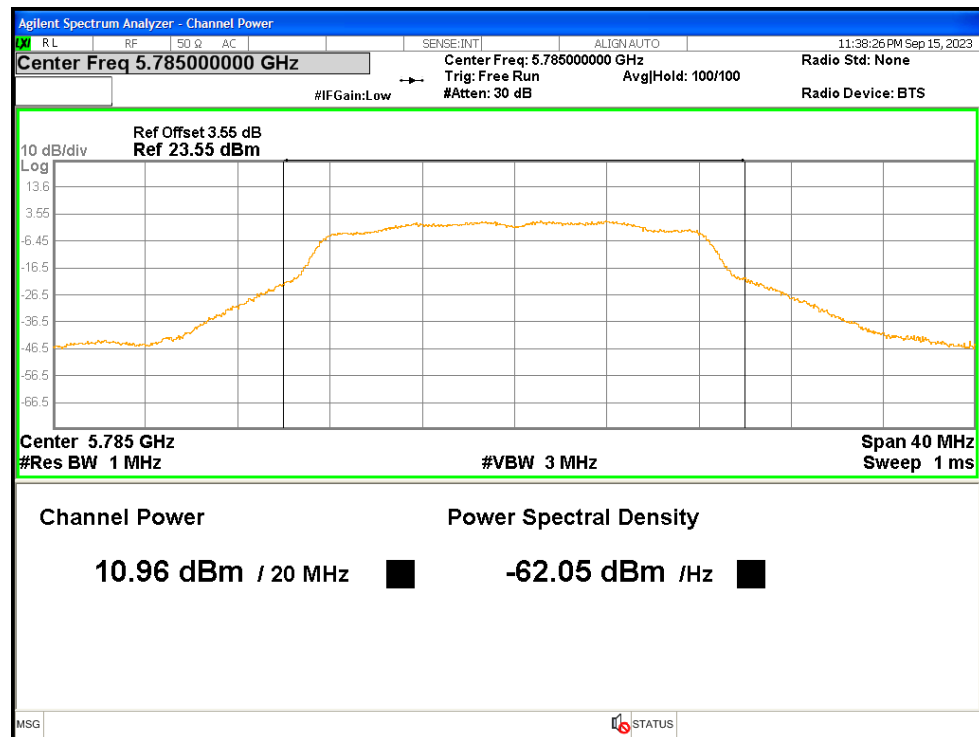
Power NVNT a 5825MHz Ant1



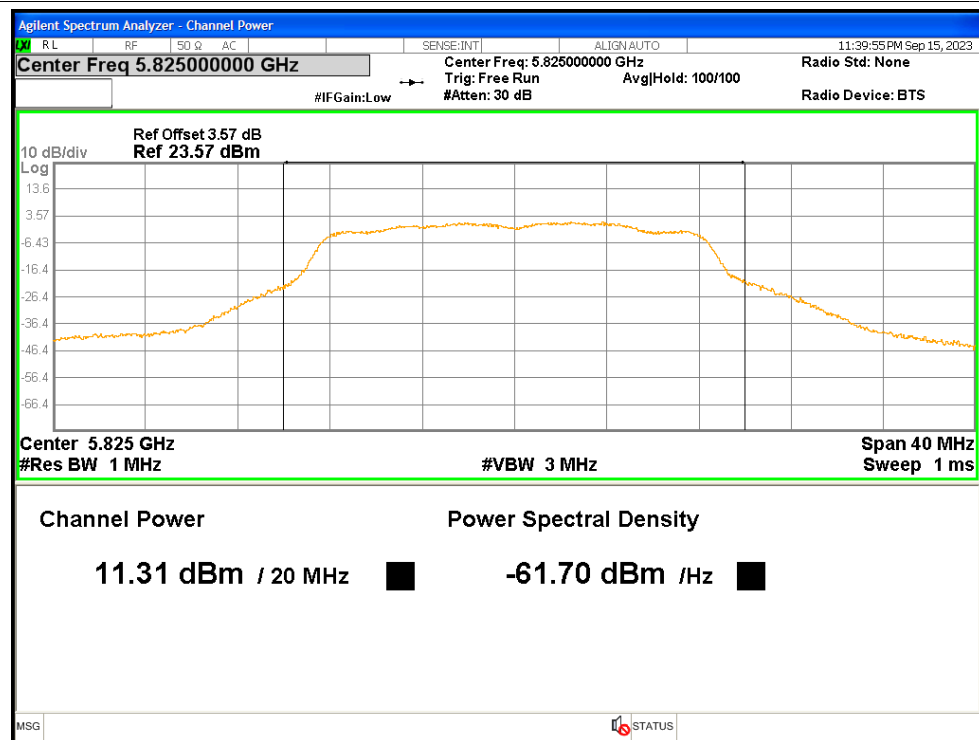
Power NVNT a 5745MHz Ant2



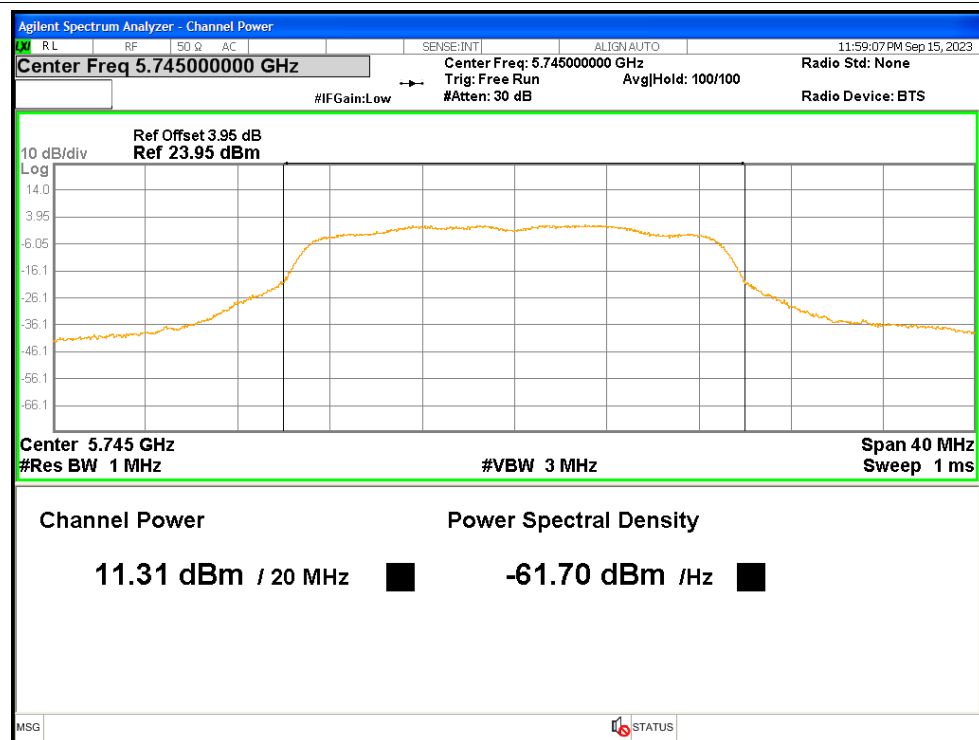
Power NVNT a 5785MHz Ant2



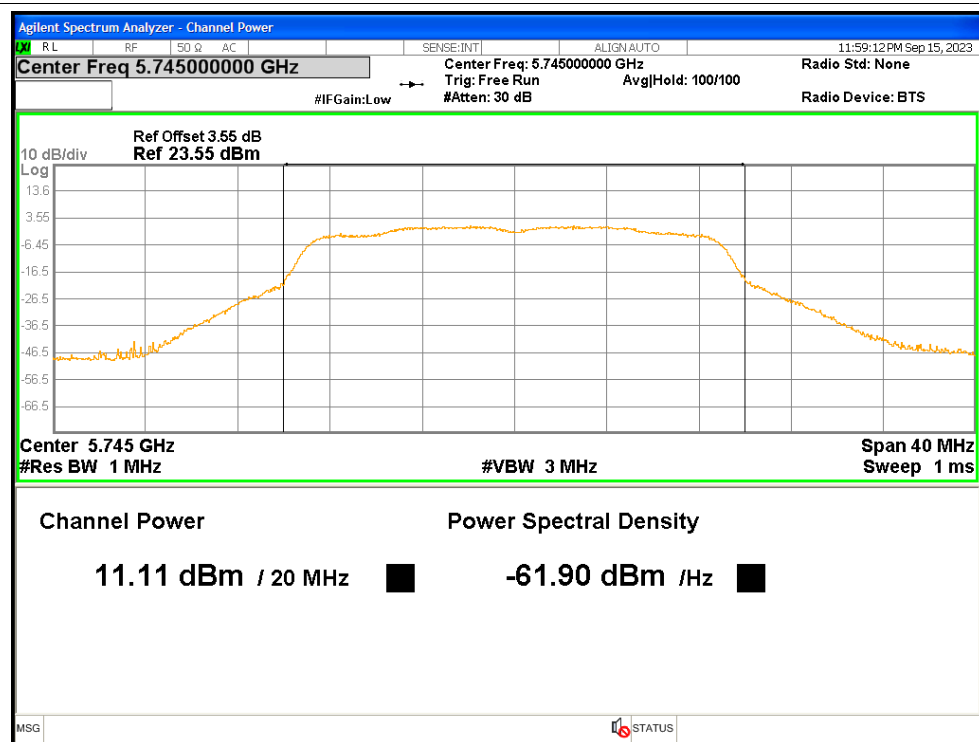
Power NVNT a 5825MHz Ant2



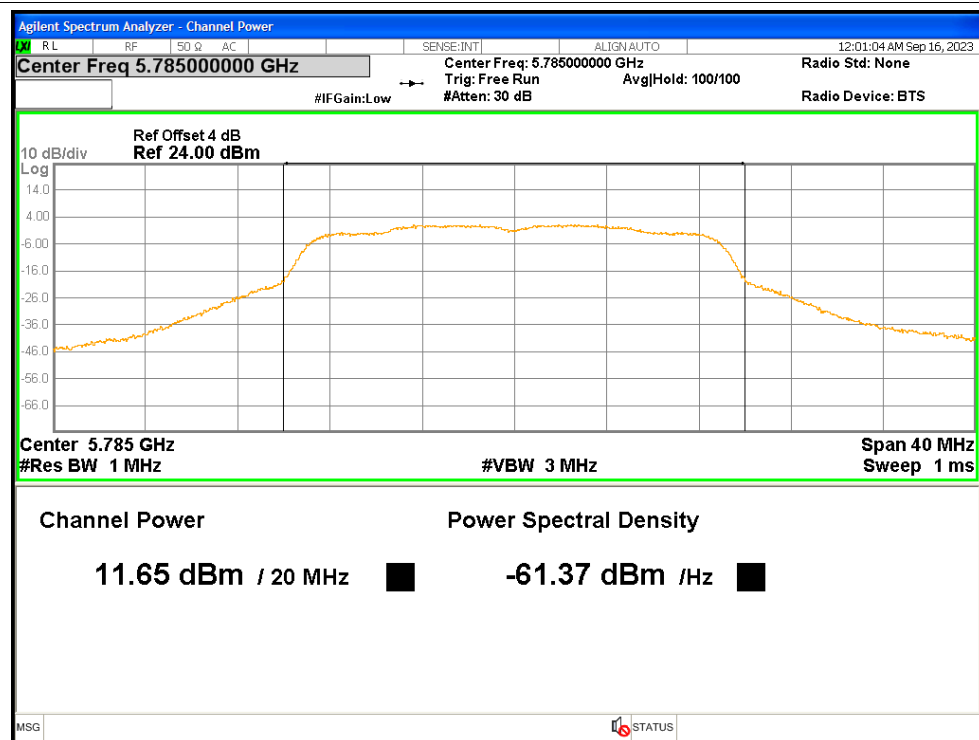
Power NVNT ac20 5745MHz Ant1



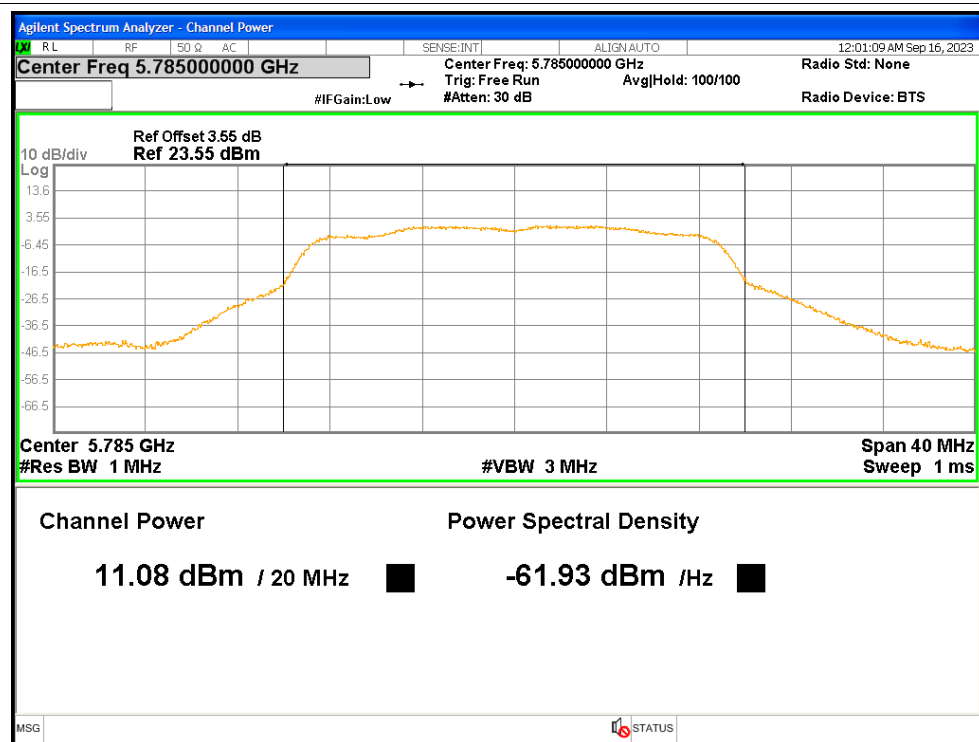
Power NVNT ac20 5745MHz Ant2



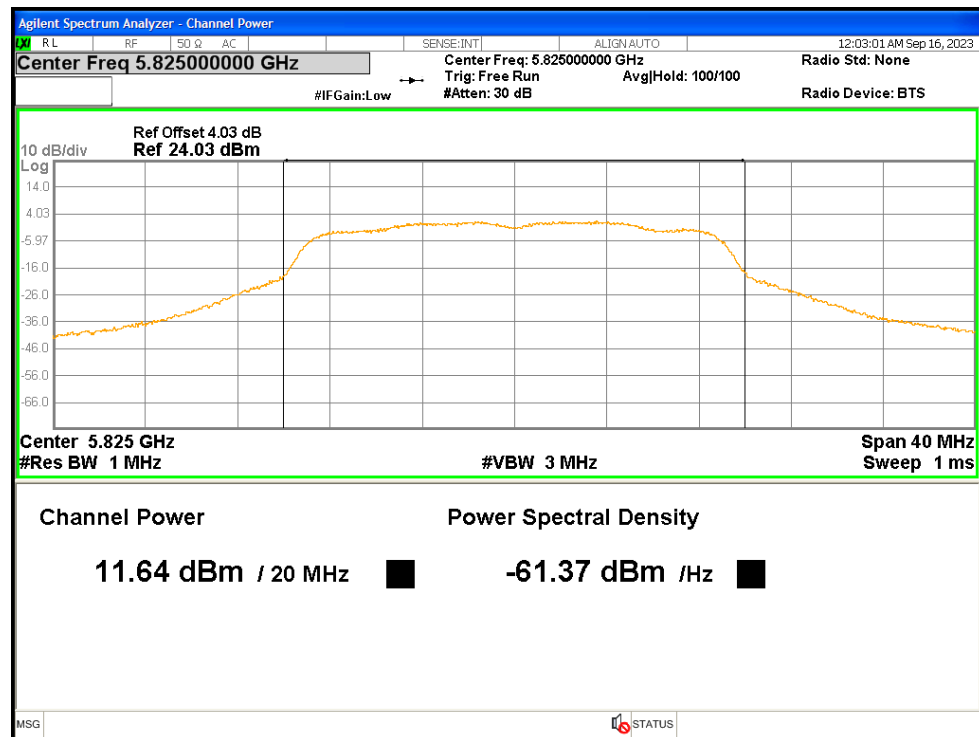
Power NVNT ac20 5785MHz Ant1



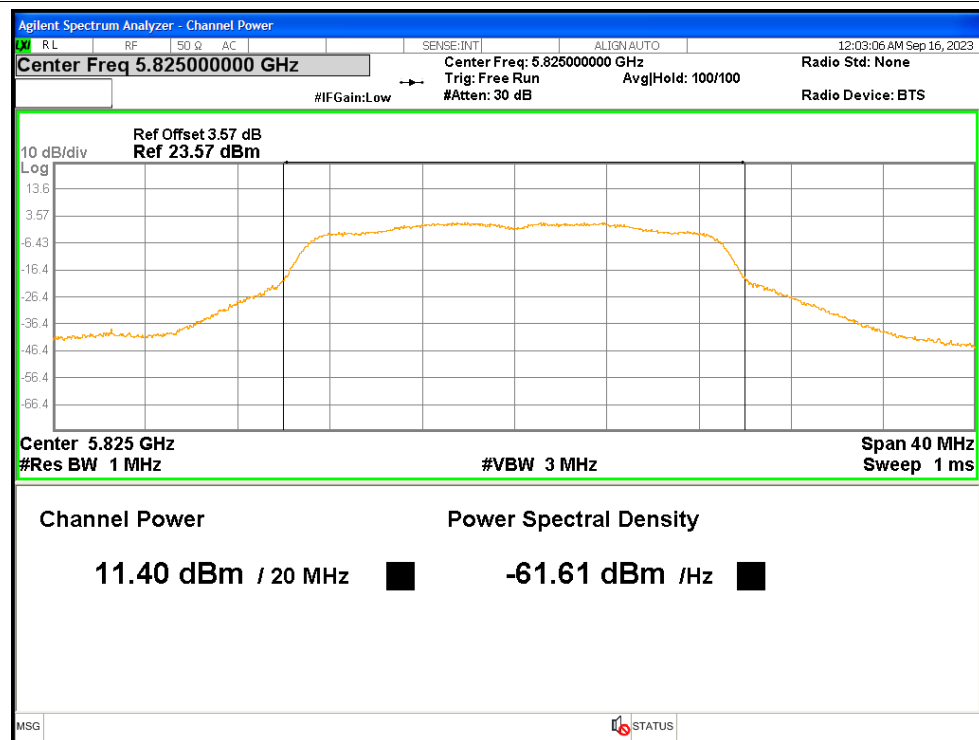
Power NVNT ac20 5785MHz Ant2



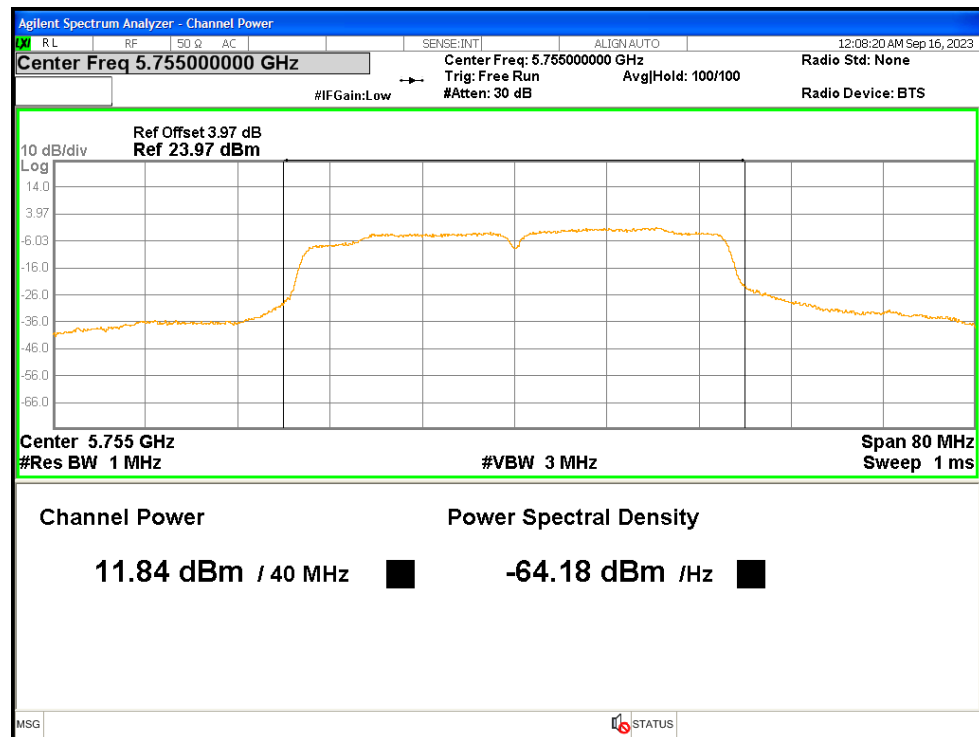
Power NVNT ac20 5825MHz Ant1



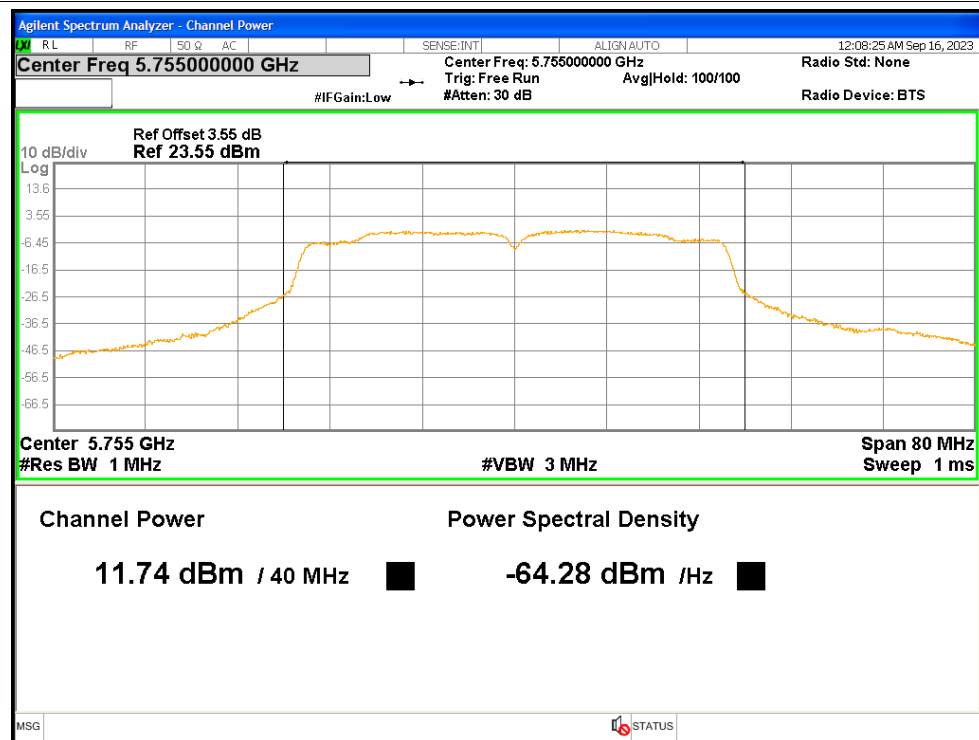
Power NVNT ac20 5825MHz Ant2



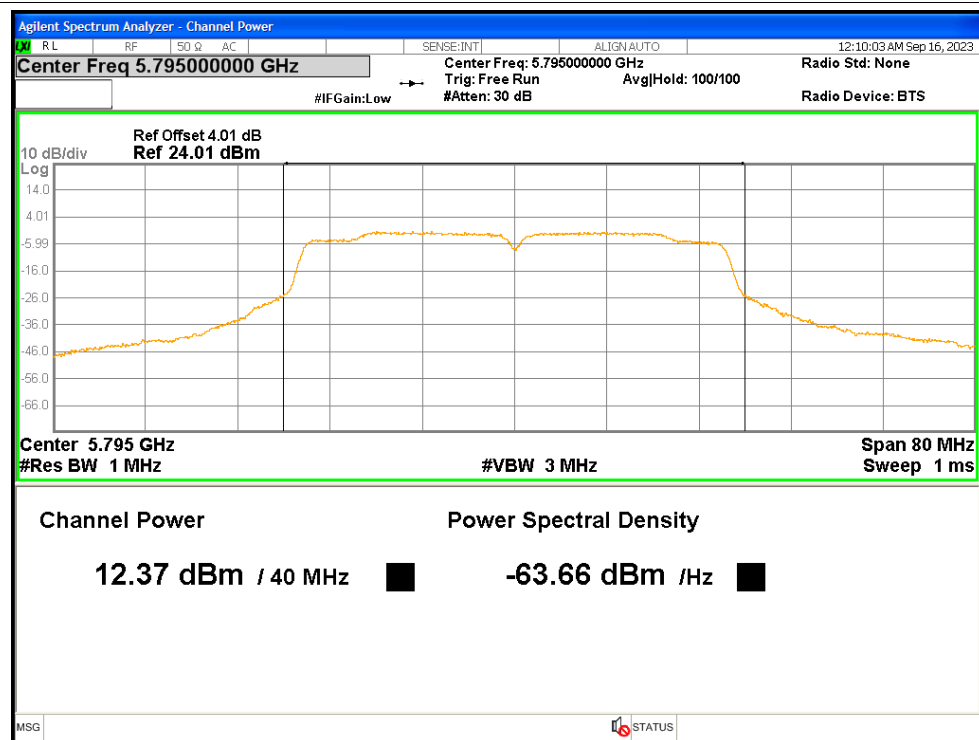
Power NVNT ac40 5755MHz Ant1



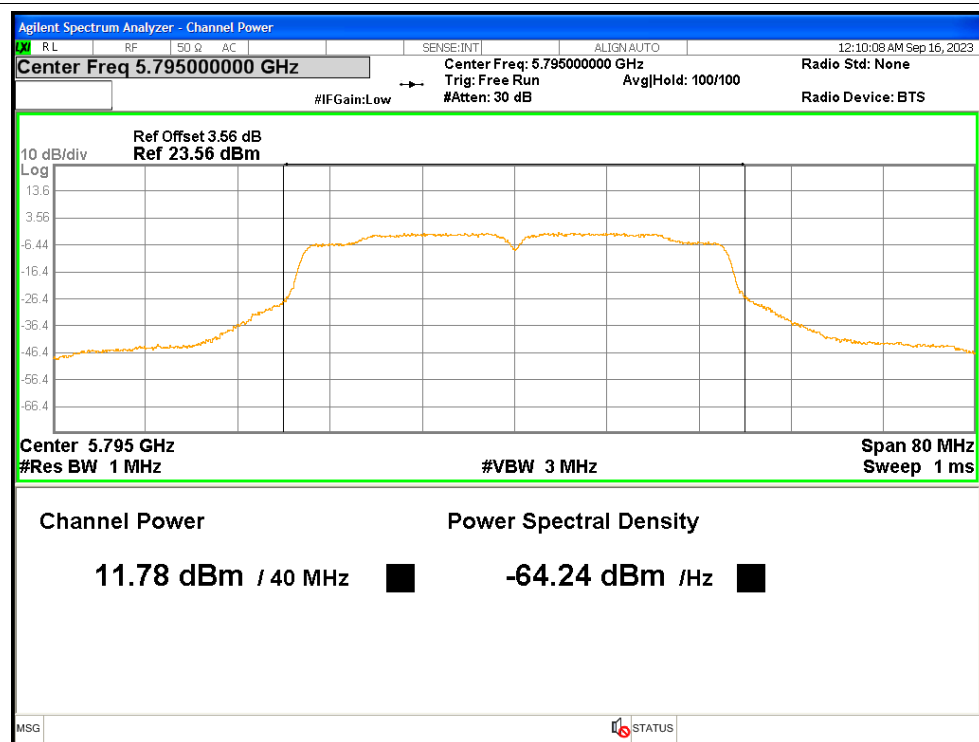
Power NVNT ac40 5755MHz Ant2



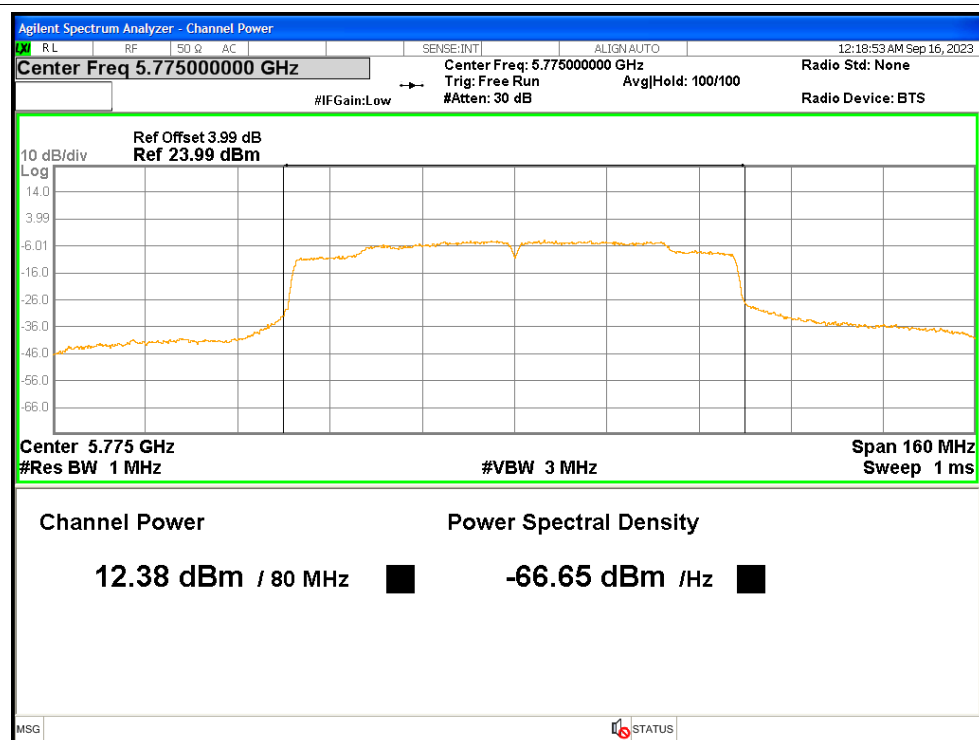
Power NVNT ac40 5795MHz Ant1



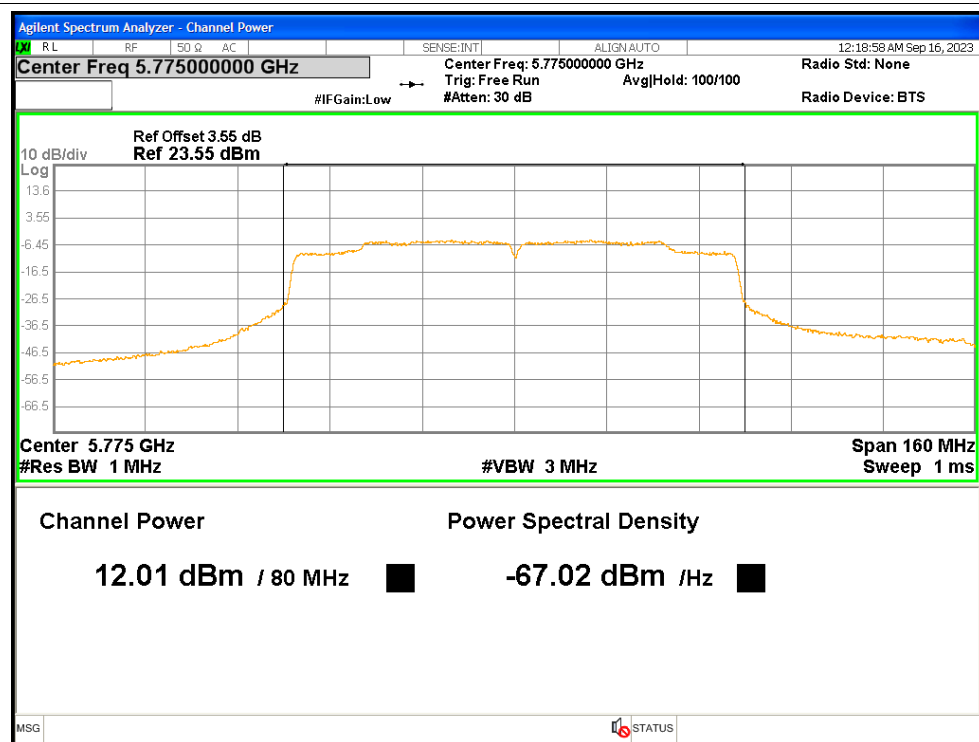
Power NVNT ac40 5795MHz Ant2



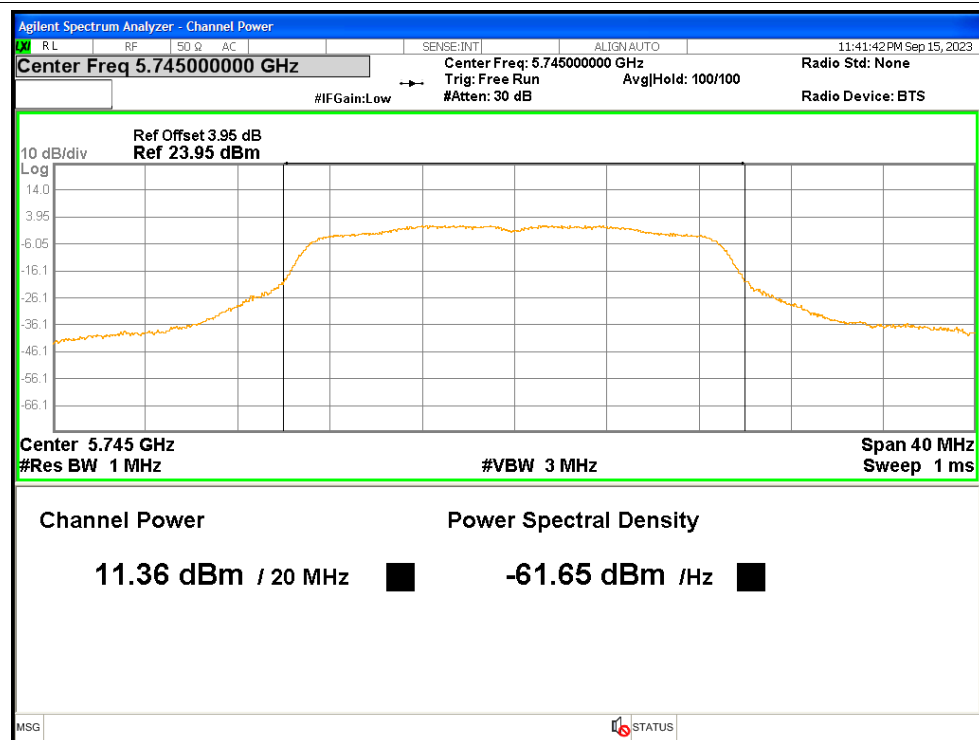
Power NVNT ac80 5775MHz Ant1



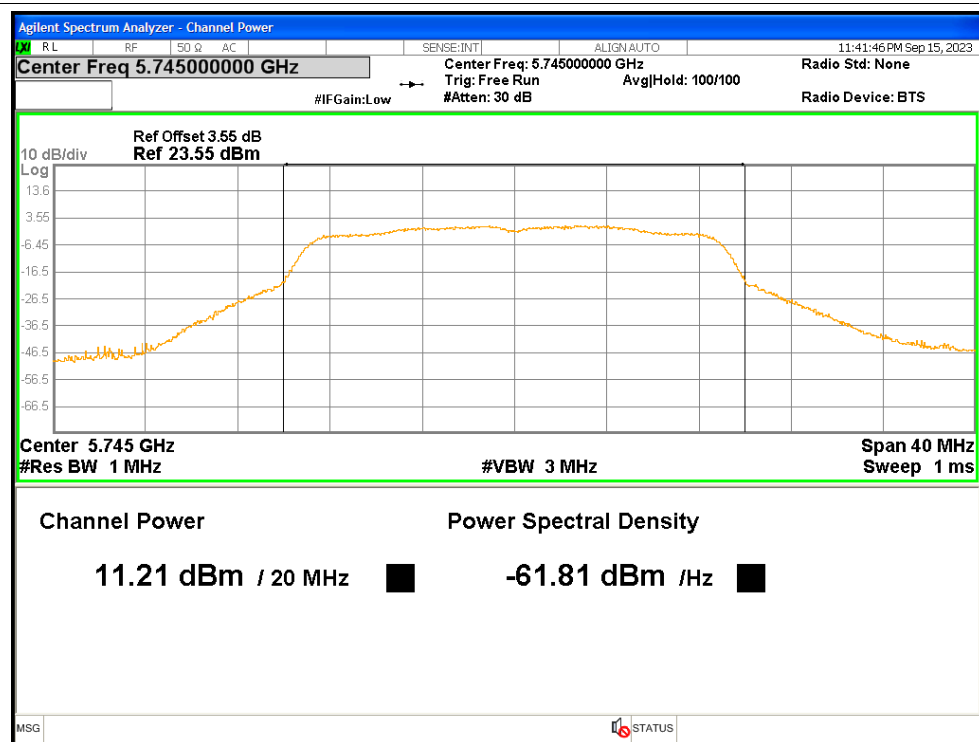
Power NVNT ac80 5775MHz Ant2



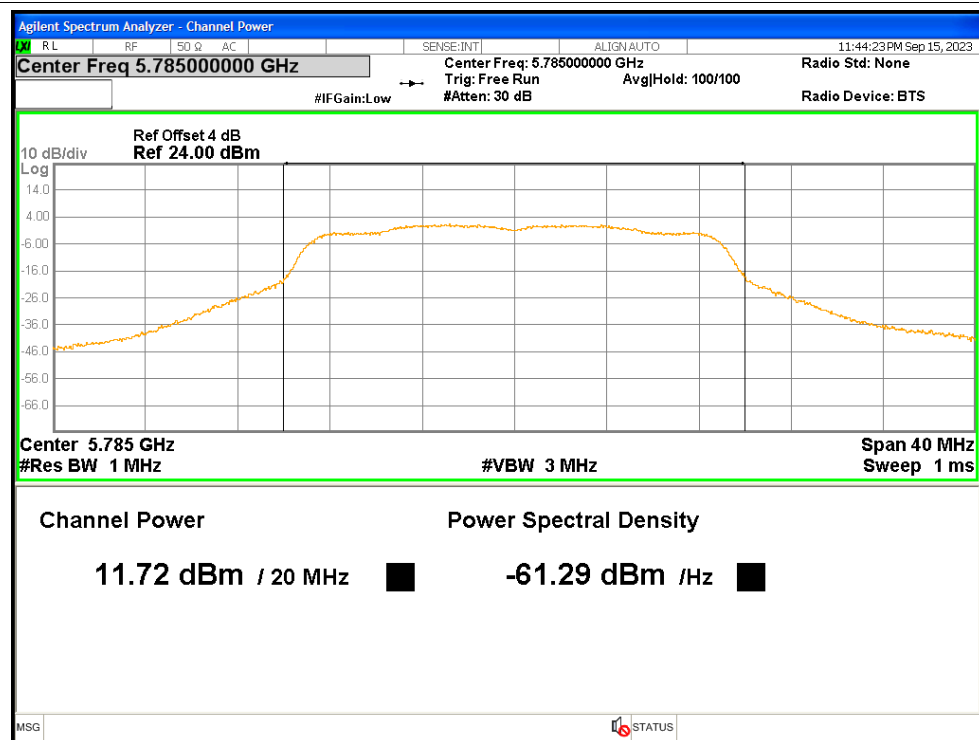
Power NVNT n20 5745MHz Ant1



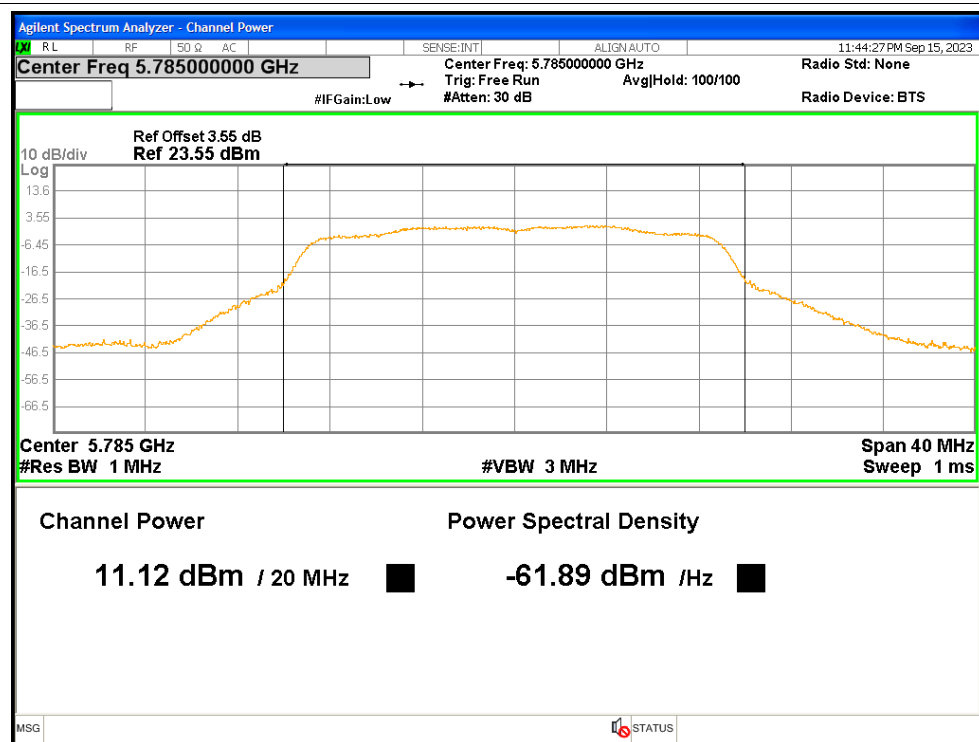
Power NVNT n20 5745MHz Ant2



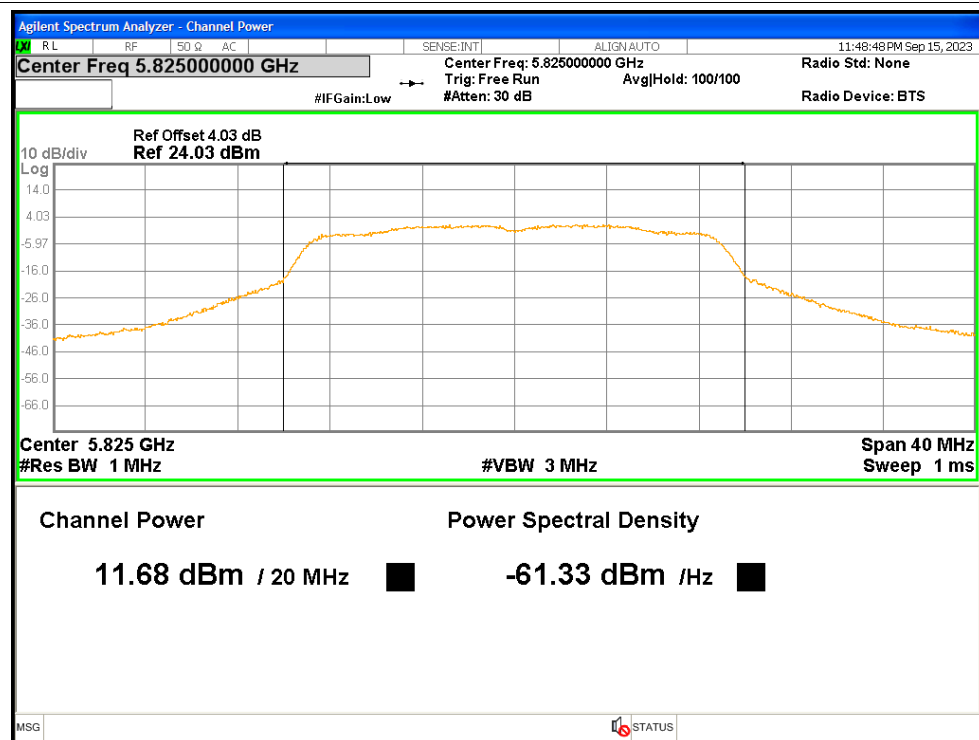
Power NVNT n20 5785MHz Ant1



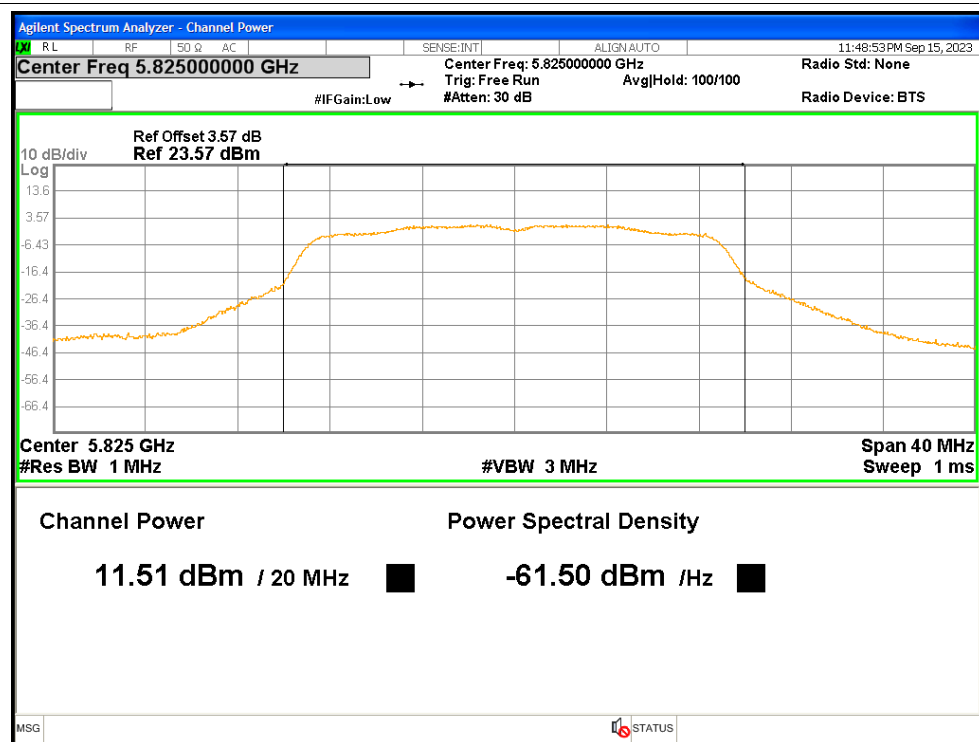
Power NVNT n20 5785MHz Ant2



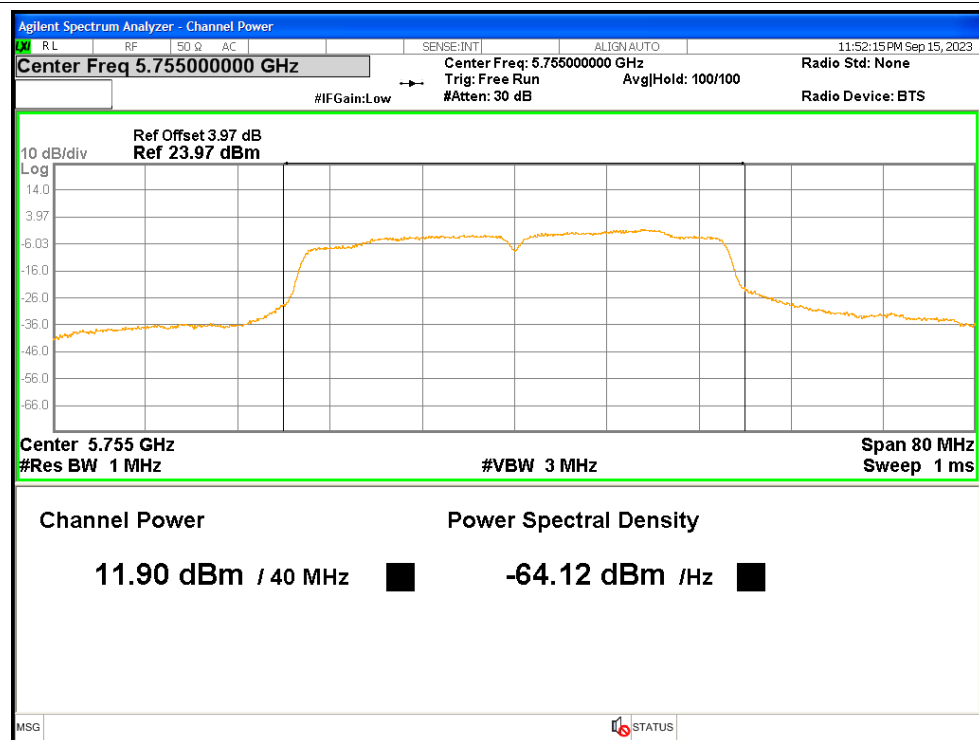
Power NVNT n20 5825MHz Ant1



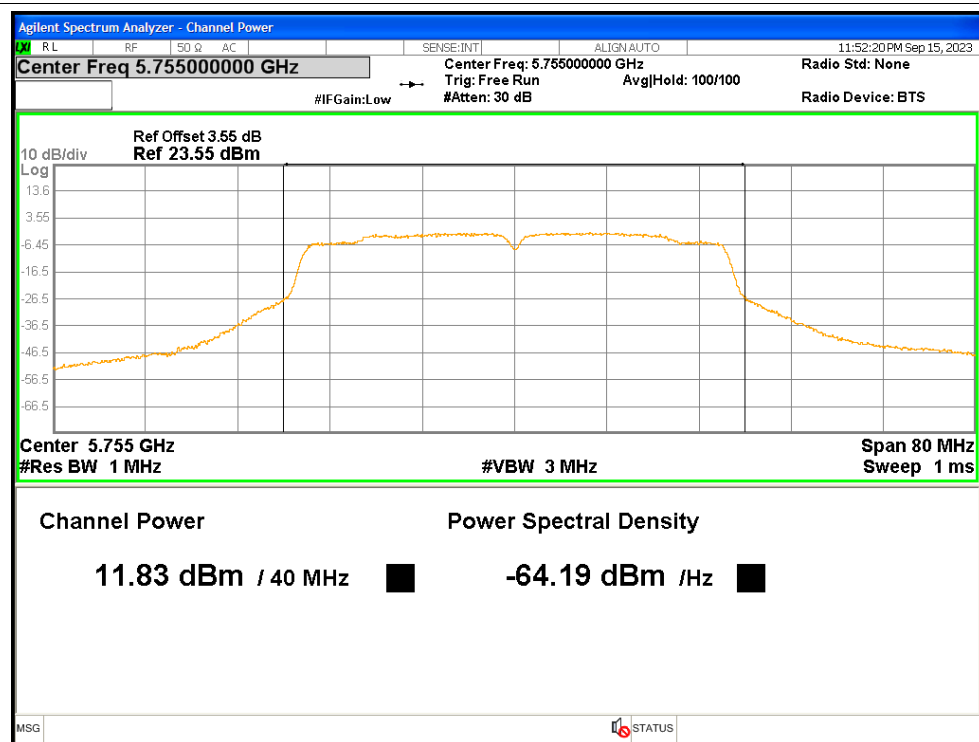
Power NVNT n20 5825MHz Ant2



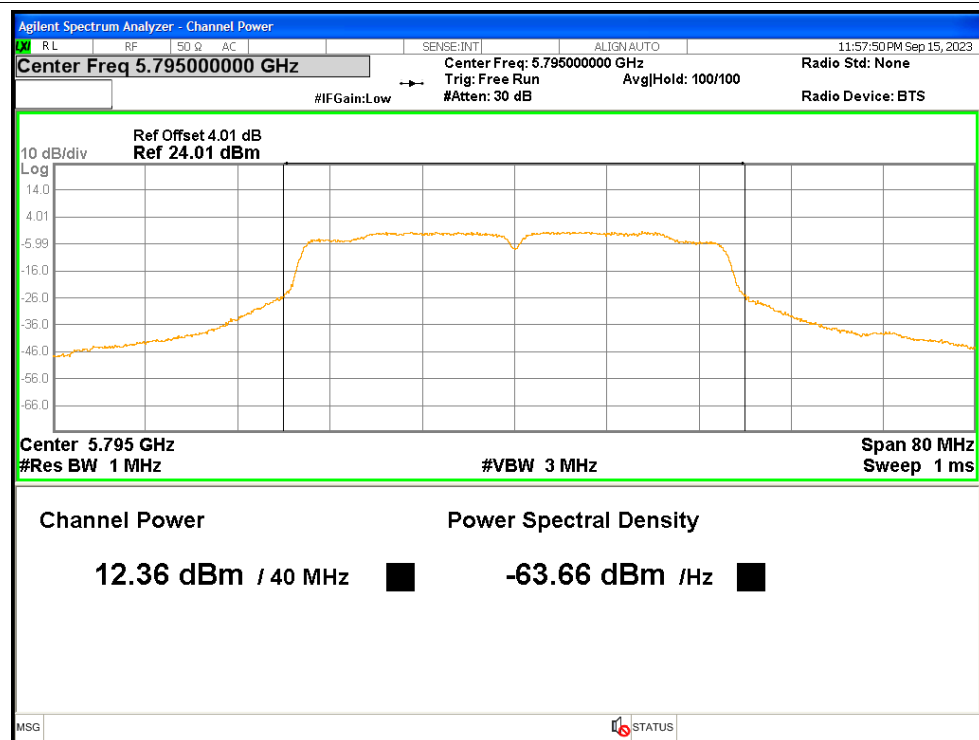
Power NVNT n40 5755MHz Ant1



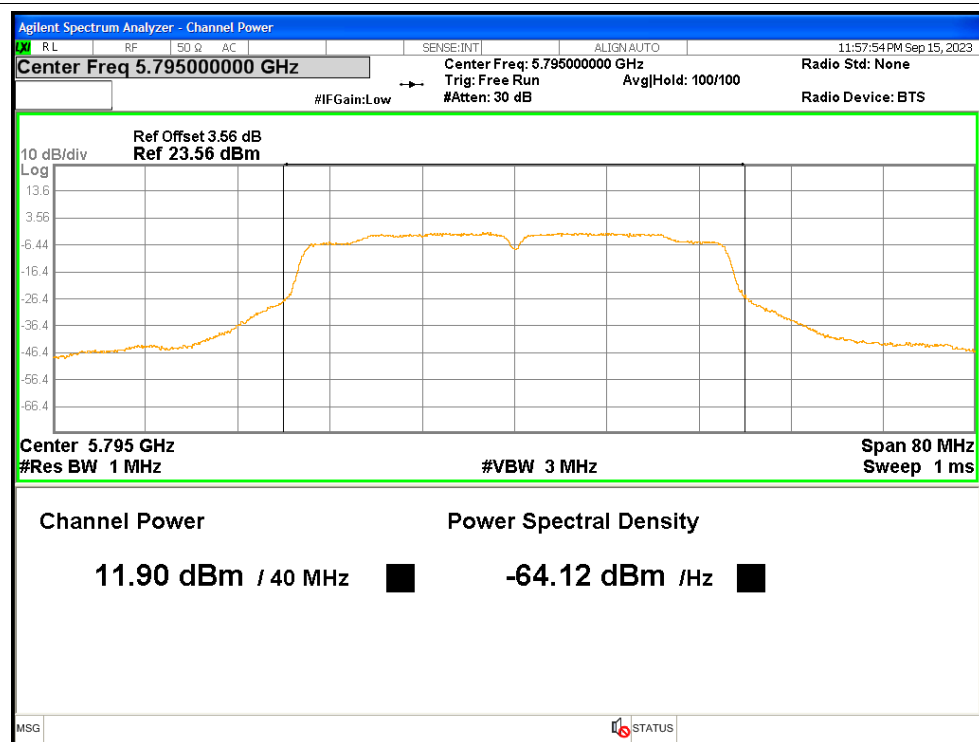
Power NVNT n40 5755MHz Ant2



Power NVNT n40 5795MHz Ant1



Power NVNT n40 5795MHz Ant2

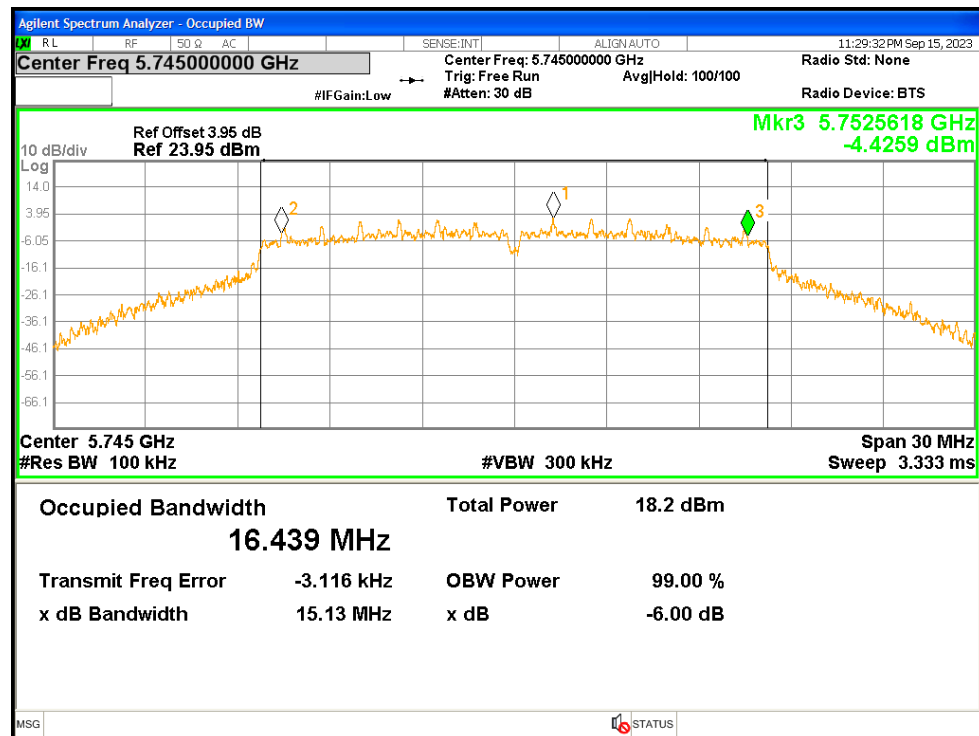


3. -6dB Bandwidth

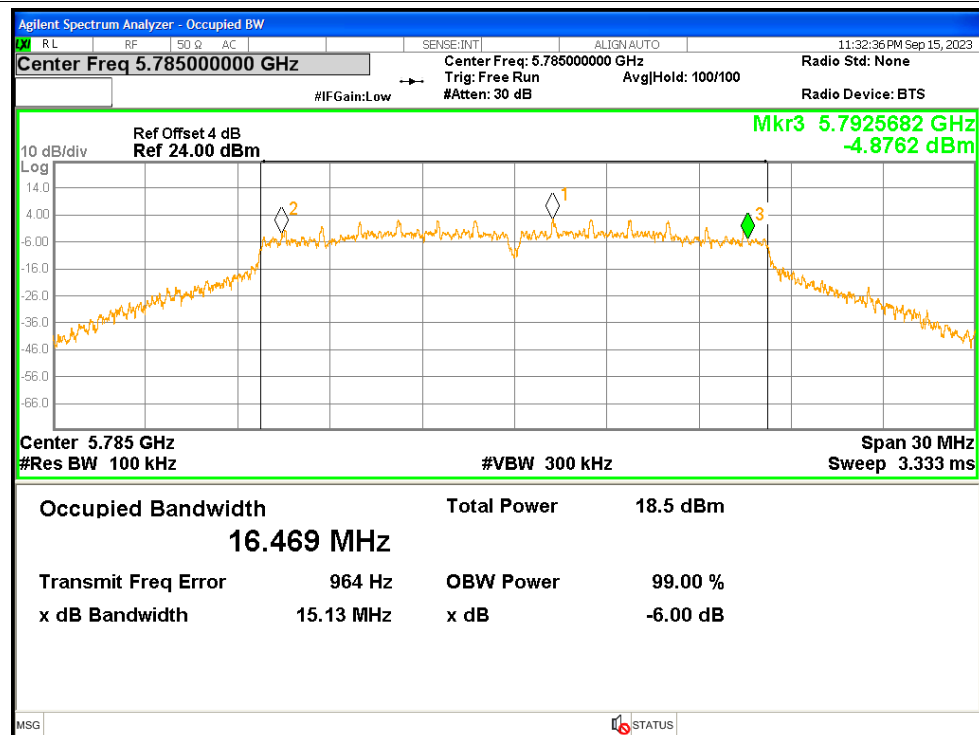
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	15.1299	≥ 0.5	Pass
NVNT	a	5785	Ant1	15.1344	≥ 0.5	Pass
NVNT	a	5825	Ant1	15.1325	≥ 0.5	Pass
NVNT	a	5745	Ant2	15.1145	≥ 0.5	Pass
NVNT	a	5785	Ant2	15.1106	≥ 0.5	Pass
NVNT	a	5825	Ant2	15.1291	≥ 0.5	Pass
NVNT	ac20	5745	Ant1	15.0739	≥ 0.5	Pass
NVNT	ac20	5745	Ant2	15.0823	≥ 0.5	Pass
NVNT	ac20	5785	Ant1	15.1196	≥ 0.5	Pass
NVNT	ac20	5785	Ant2	15.1175	≥ 0.5	Pass
NVNT	ac20	5825	Ant1	15.1291	≥ 0.5	Pass
NVNT	ac20	5825	Ant2	15.1168	≥ 0.5	Pass
NVNT	ac40	5755	Ant1	30.0913	≥ 0.5	Pass
NVNT	ac40	5755	Ant2	34.9915	≥ 0.5	Pass
NVNT	ac40	5795	Ant1	35.0919	≥ 0.5	Pass
NVNT	ac40	5795	Ant2	35.0595	≥ 0.5	Pass
NVNT	ac80	5775	Ant1	63.8082	≥ 0.5	Pass
NVNT	ac80	5775	Ant2	73.7974	≥ 0.5	Pass
NVNT	n20	5745	Ant1	15.1156	≥ 0.5	Pass
NVNT	n20	5745	Ant2	14.9578	≥ 0.5	Pass
NVNT	n20	5785	Ant1	15.0703	≥ 0.5	Pass
NVNT	n20	5785	Ant2	15.0986	≥ 0.5	Pass
NVNT	n20	5825	Ant1	15.0933	≥ 0.5	Pass
NVNT	n20	5825	Ant2	15.1149	≥ 0.5	Pass
NVNT	n40	5755	Ant1	32.7894	≥ 0.5	Pass
NVNT	n40	5755	Ant2	35.0567	≥ 0.5	Pass
NVNT	n40	5795	Ant1	35.0361	≥ 0.5	Pass
NVNT	n40	5795	Ant2	35.0683	≥ 0.5	Pass

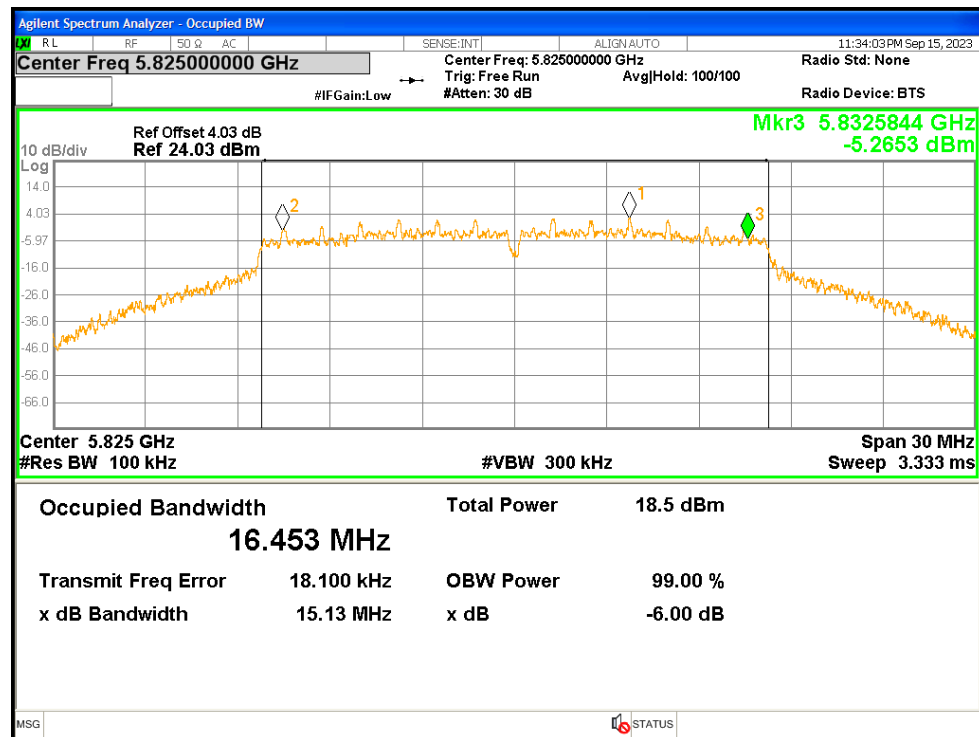
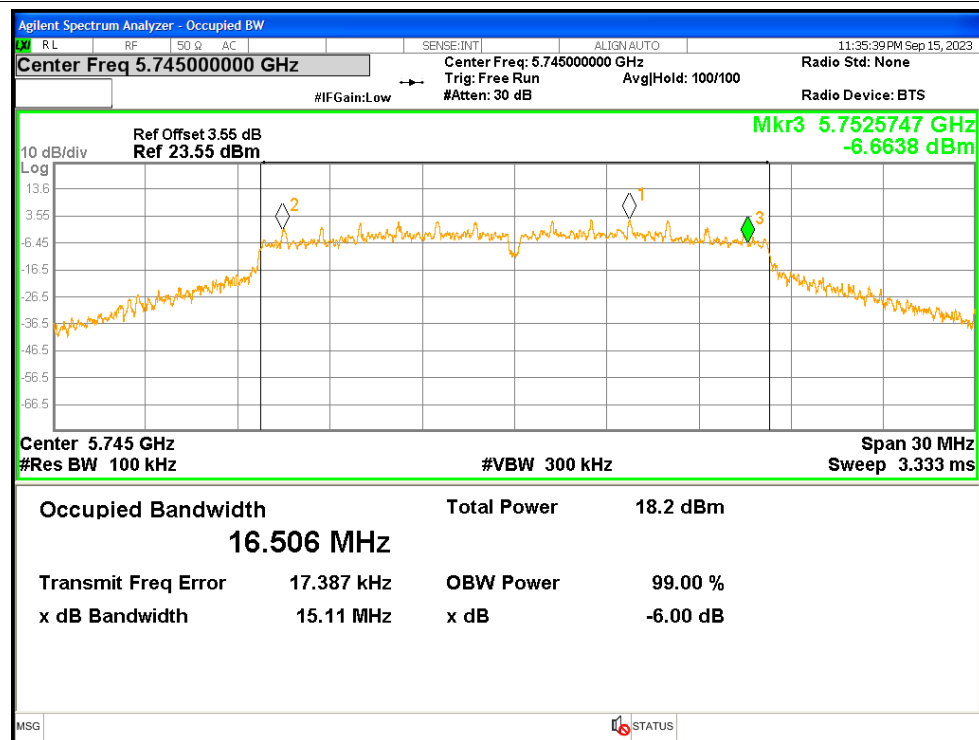
Test Graphs

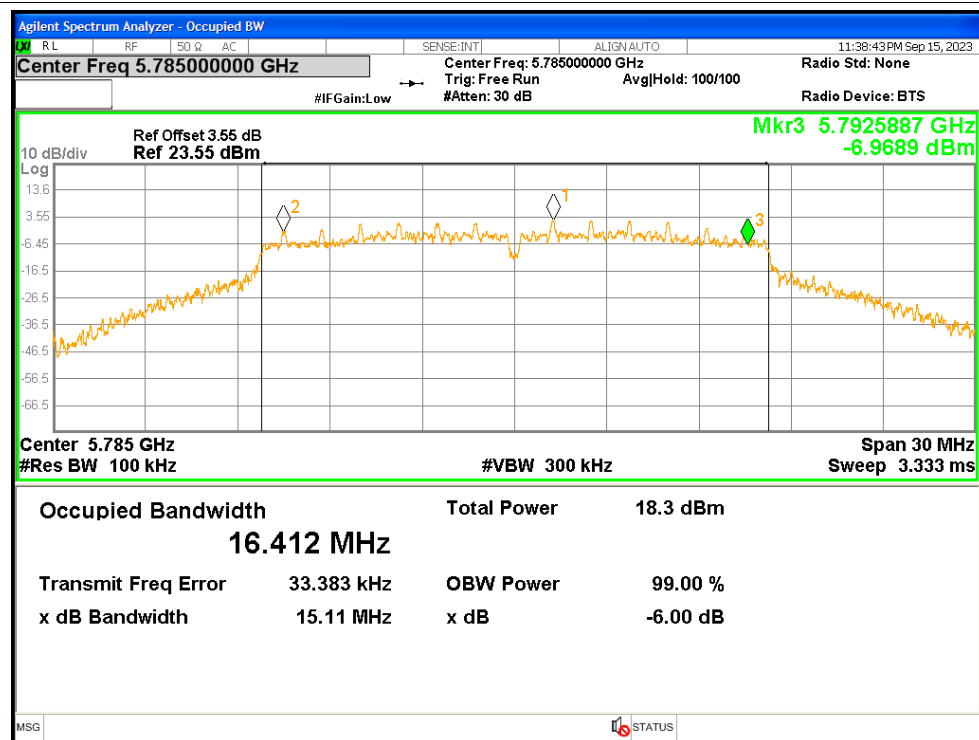
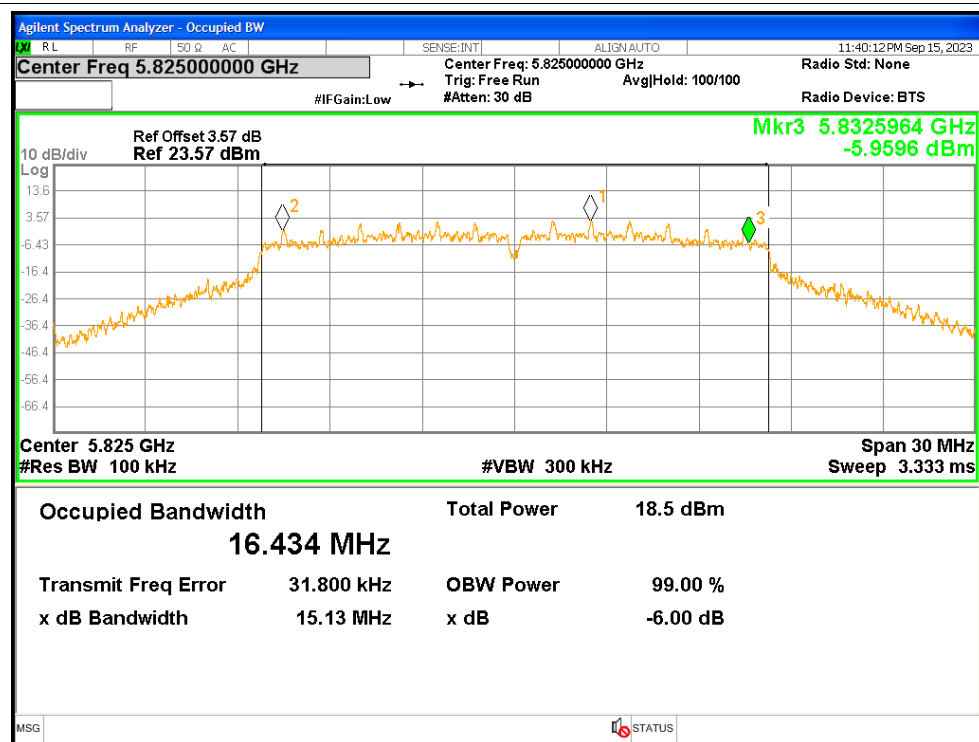
-6dB Bandwidth NVNT a 5745MHz Ant1

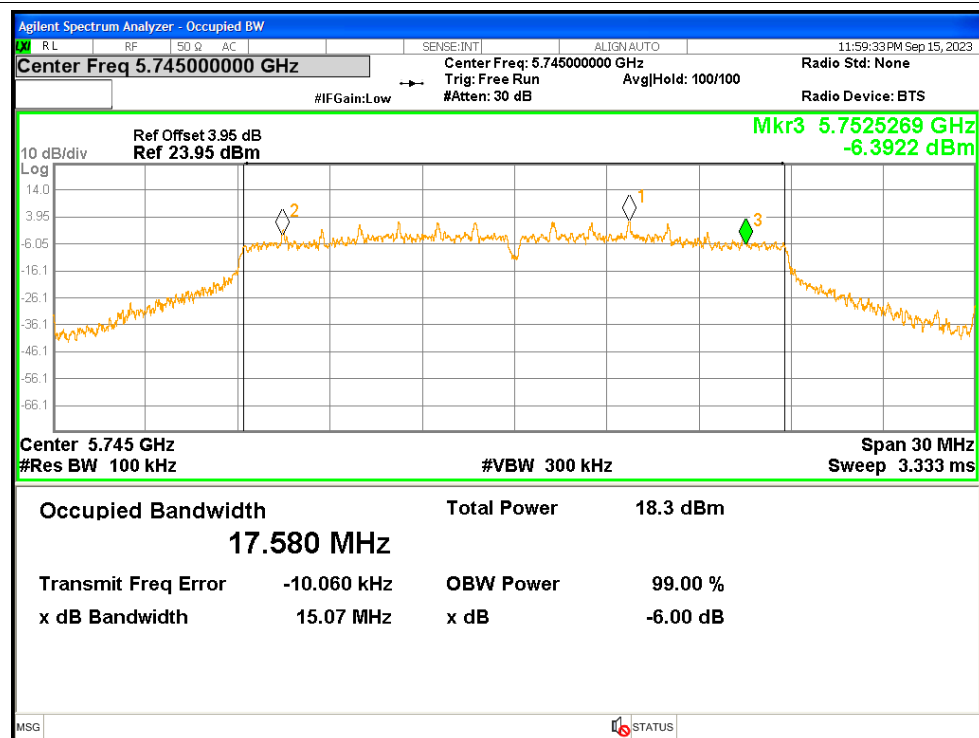
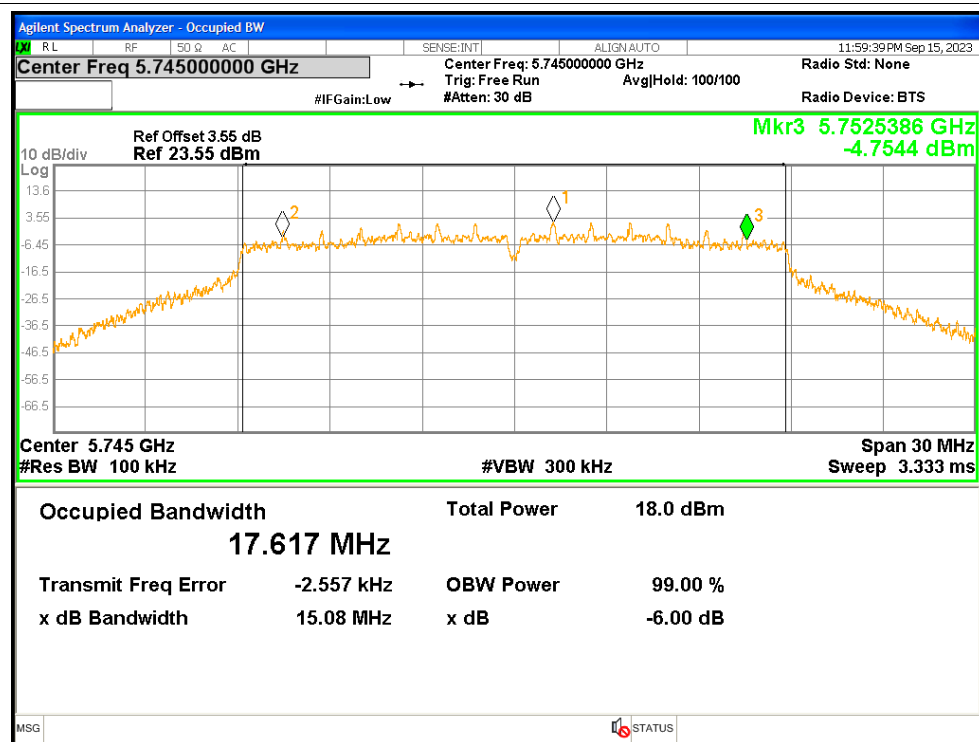


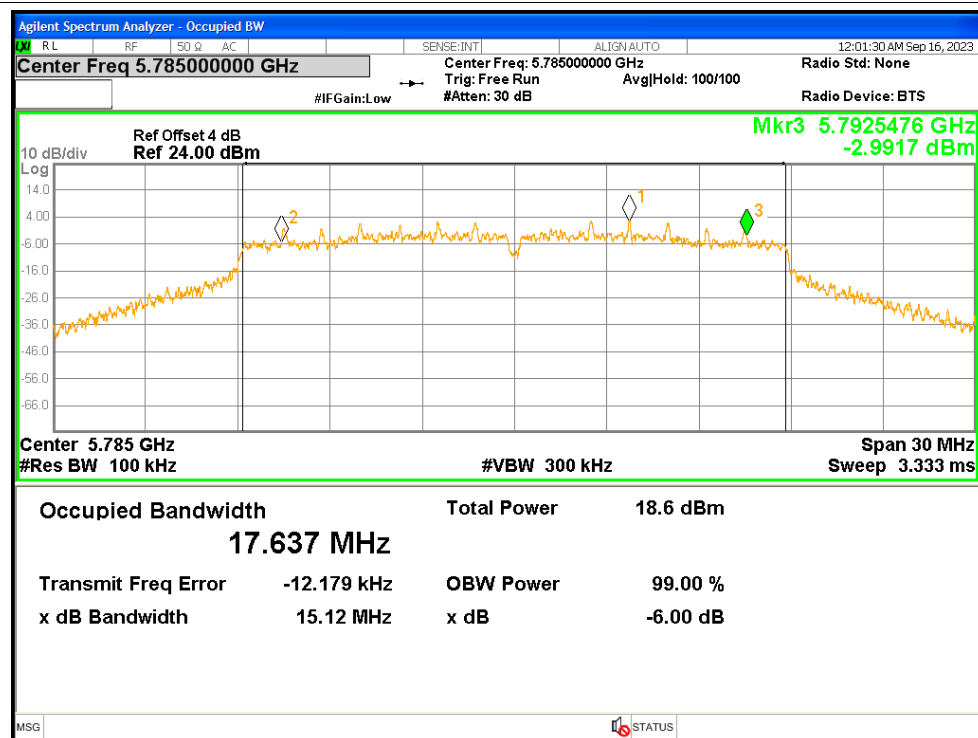
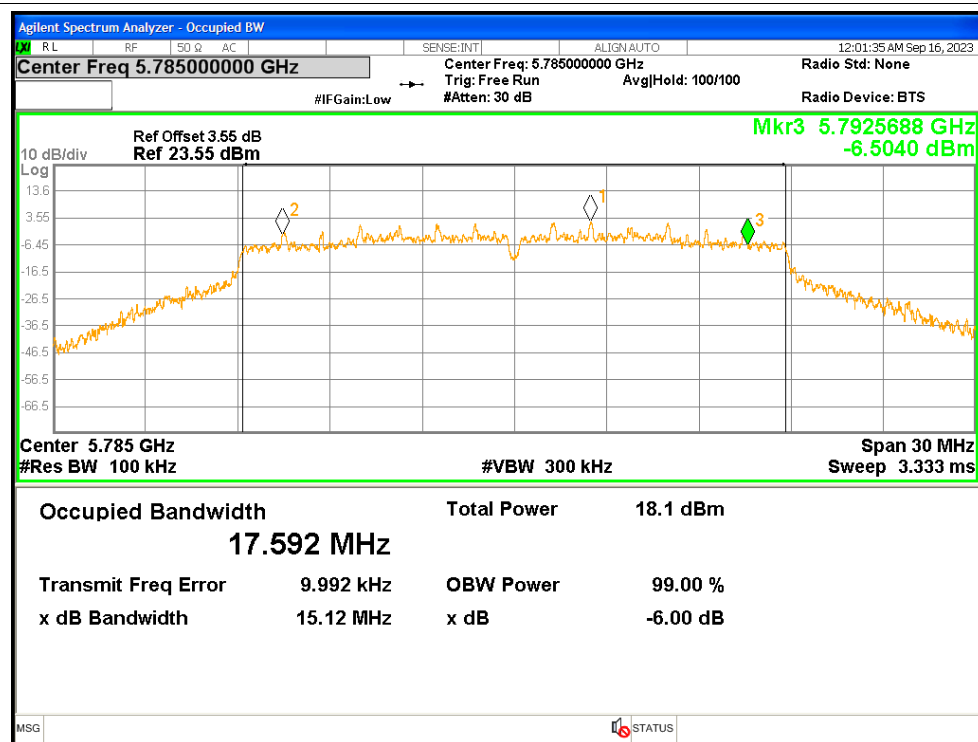
-6dB Bandwidth NVNT a 5785MHz Ant1

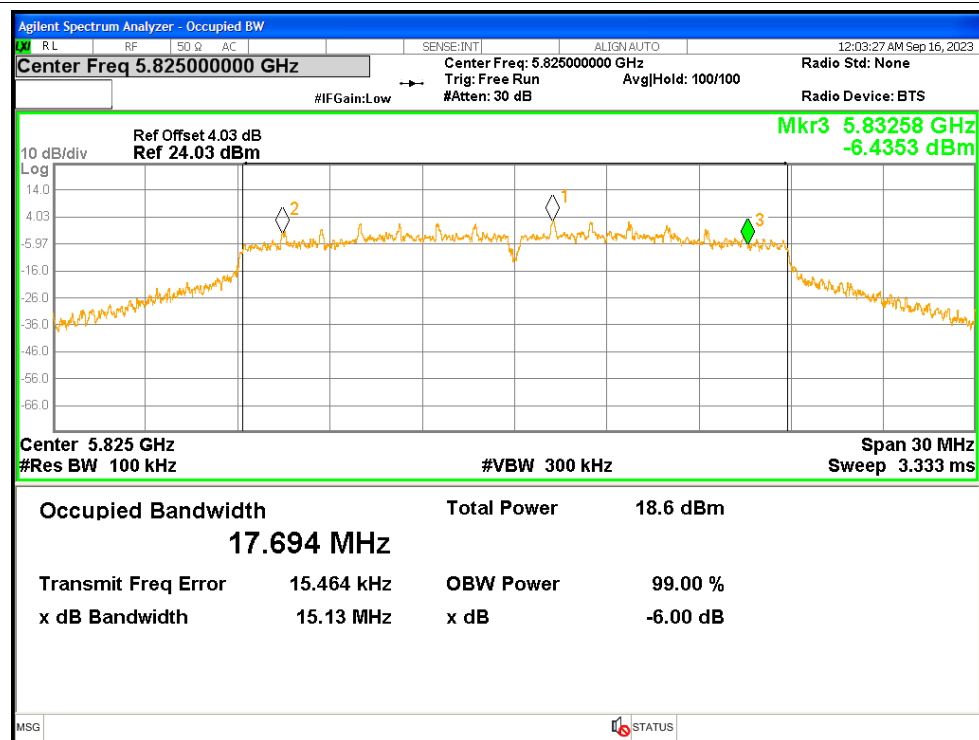
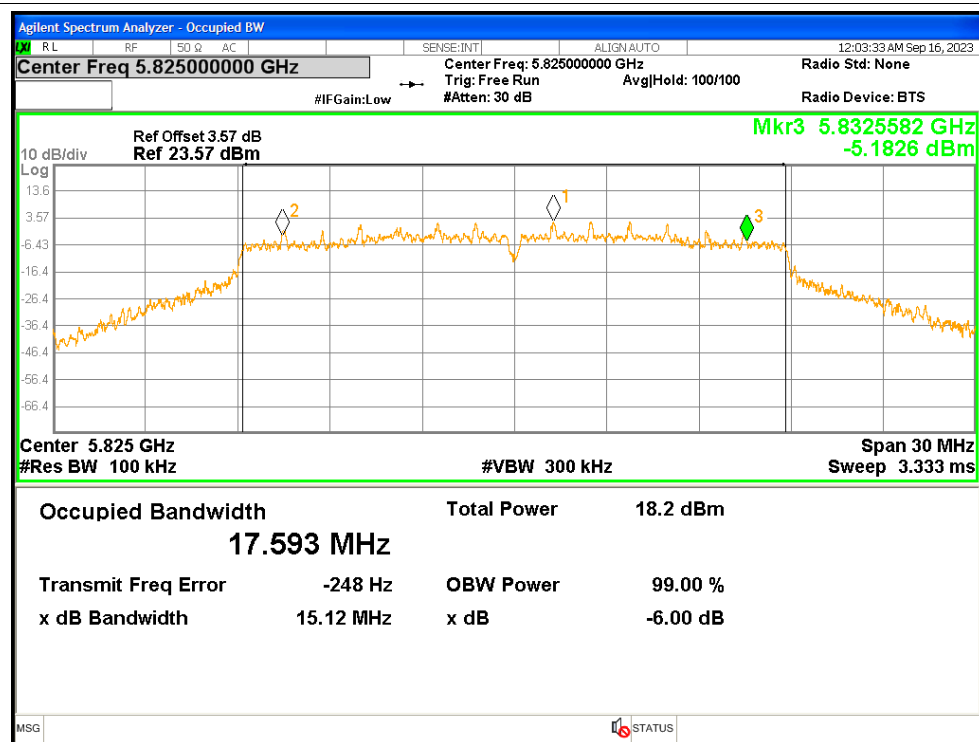


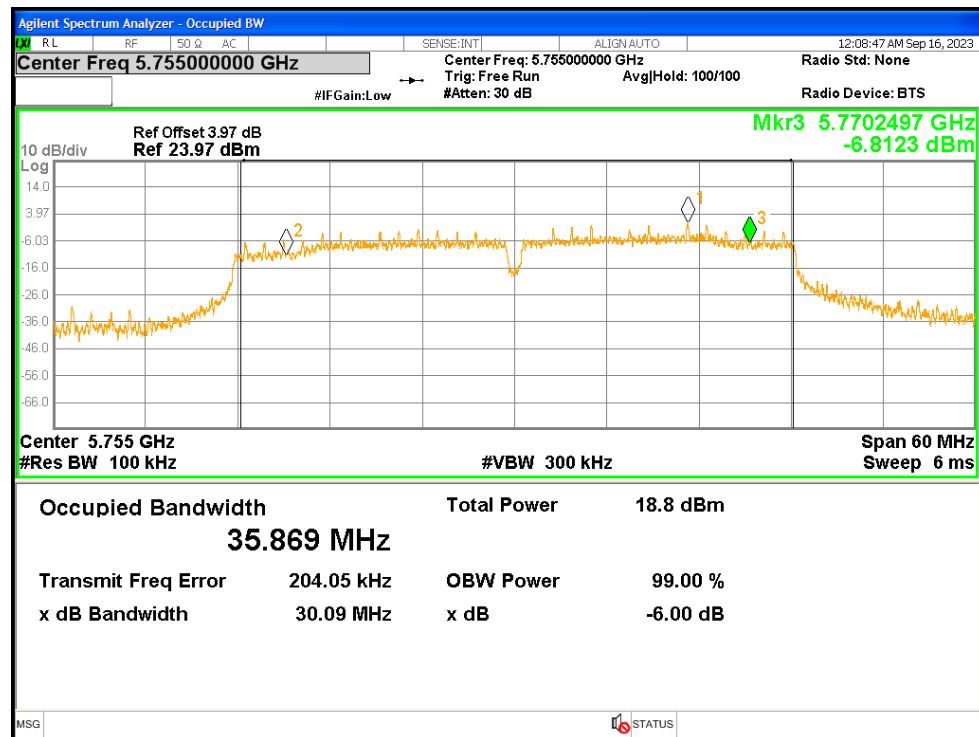
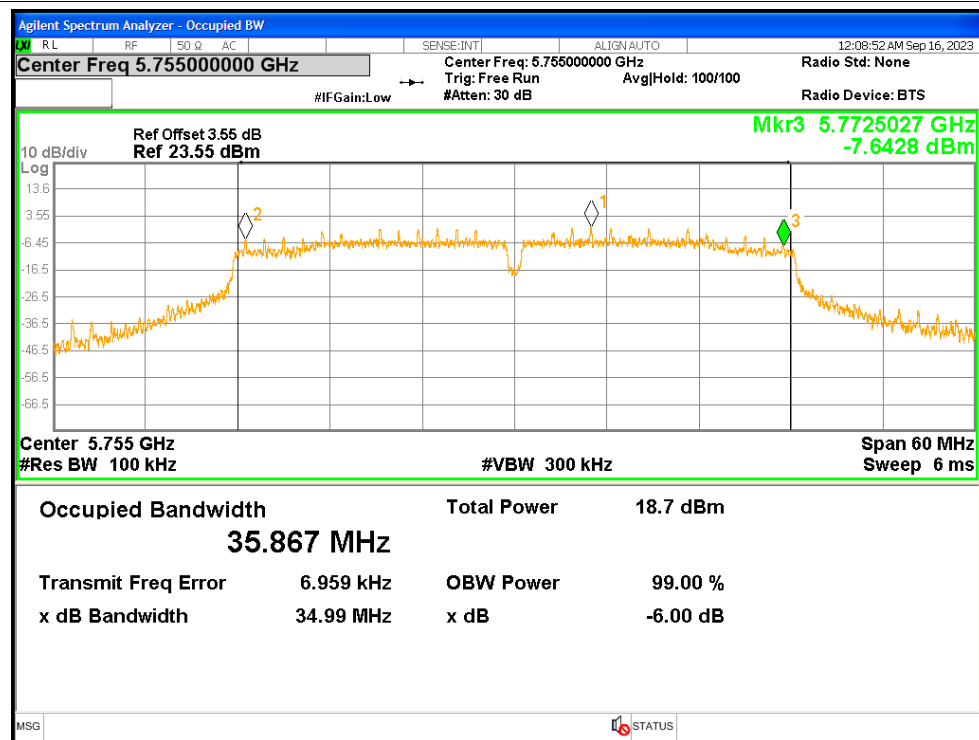
-6dB Bandwidth NVNT a 5825MHz Ant1**-6dB Bandwidth NVNT a 5745MHz Ant2**

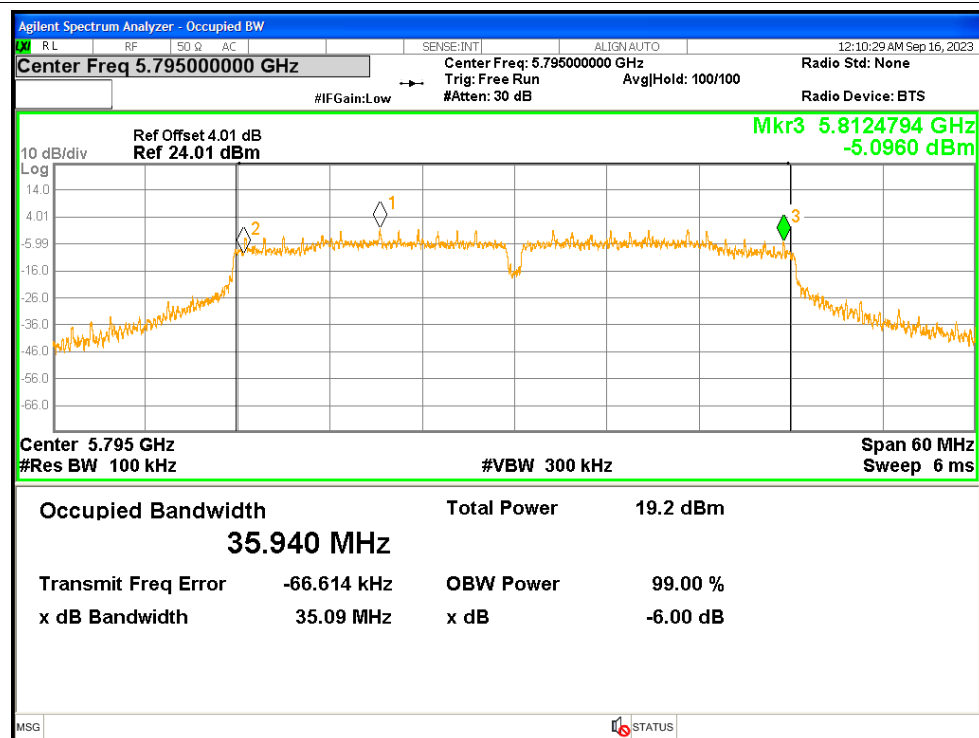
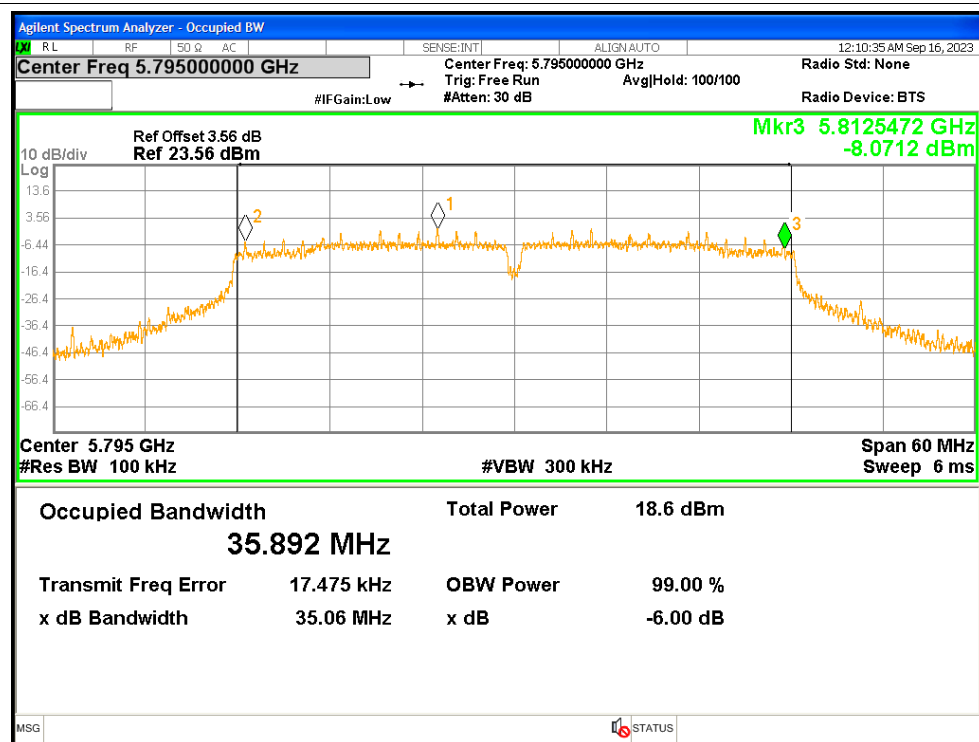
-6dB Bandwidth NVNT a 5785MHz Ant2**-6dB Bandwidth NVNT a 5825MHz Ant2**

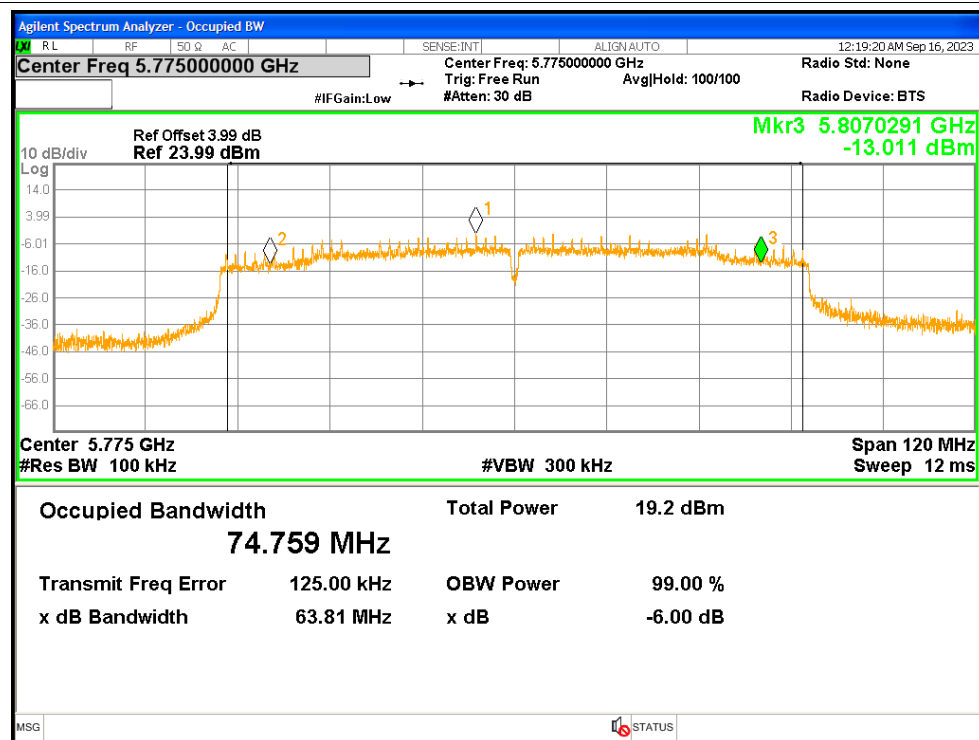
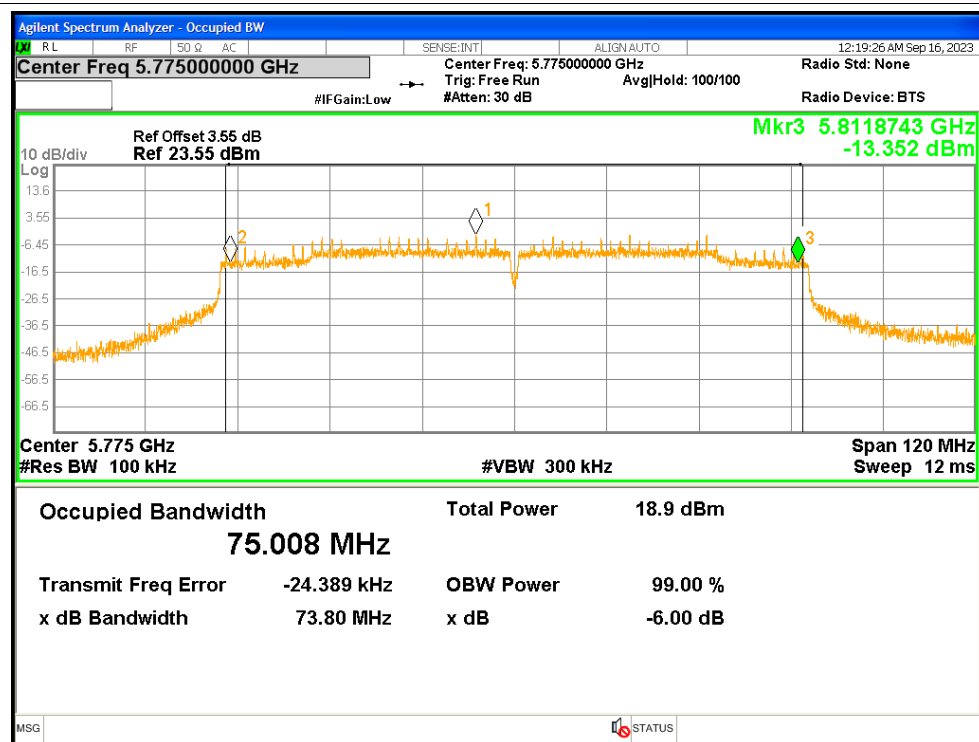
-6dB Bandwidth NVNT ac20 5745MHz Ant1**-6dB Bandwidth NVNT ac20 5745MHz Ant2**

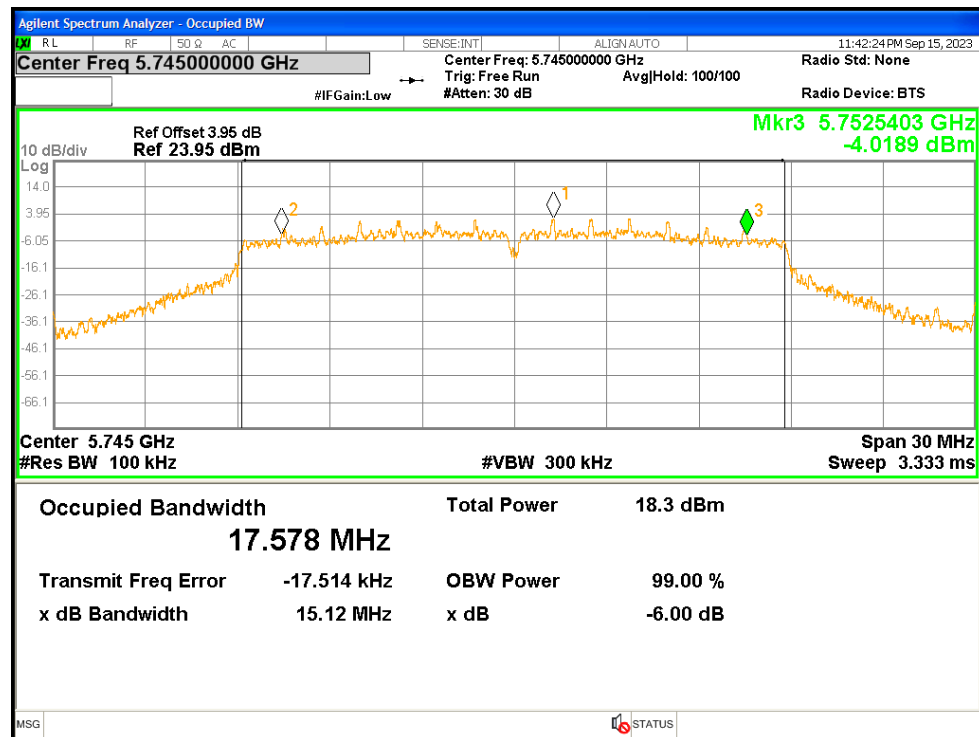
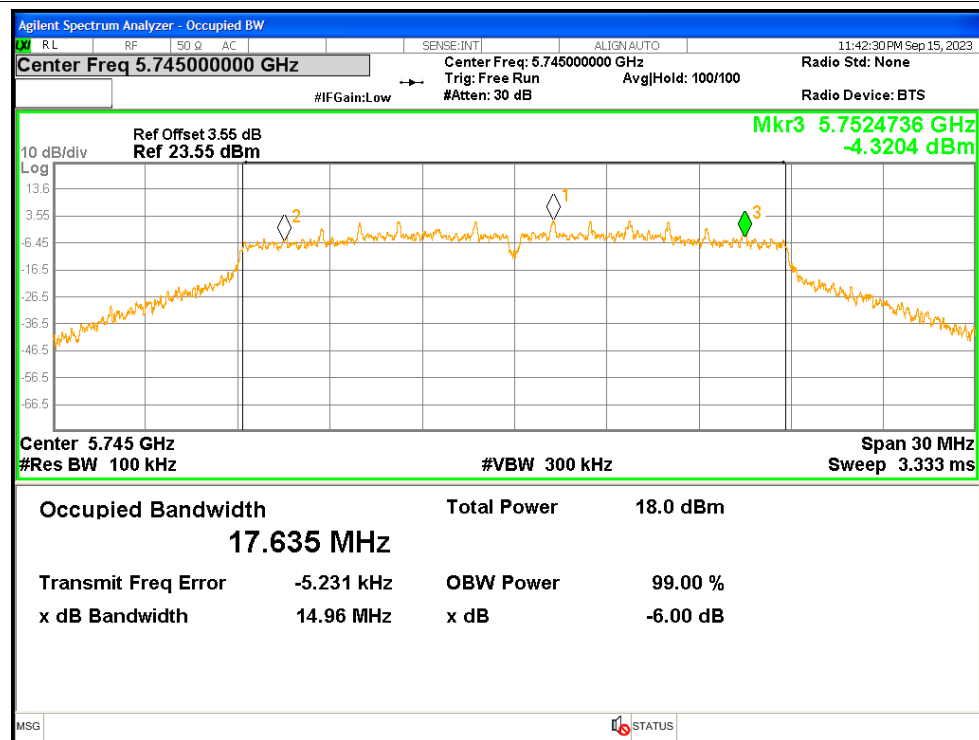
-6dB Bandwidth NVNT ac20 5785MHz Ant1**-6dB Bandwidth NVNT ac20 5785MHz Ant2**

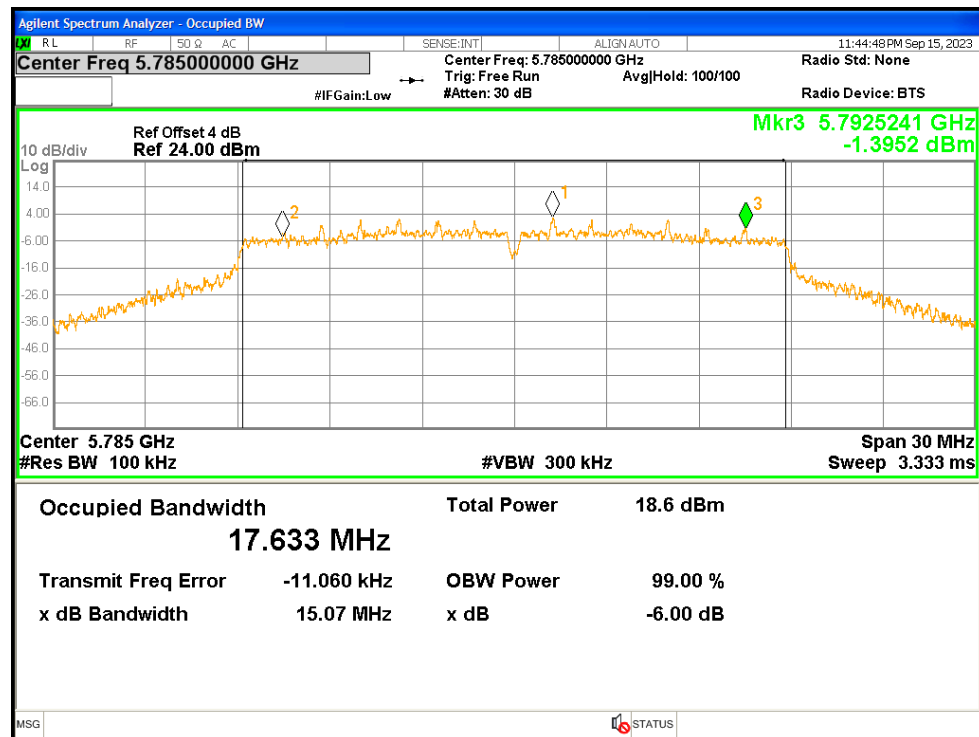
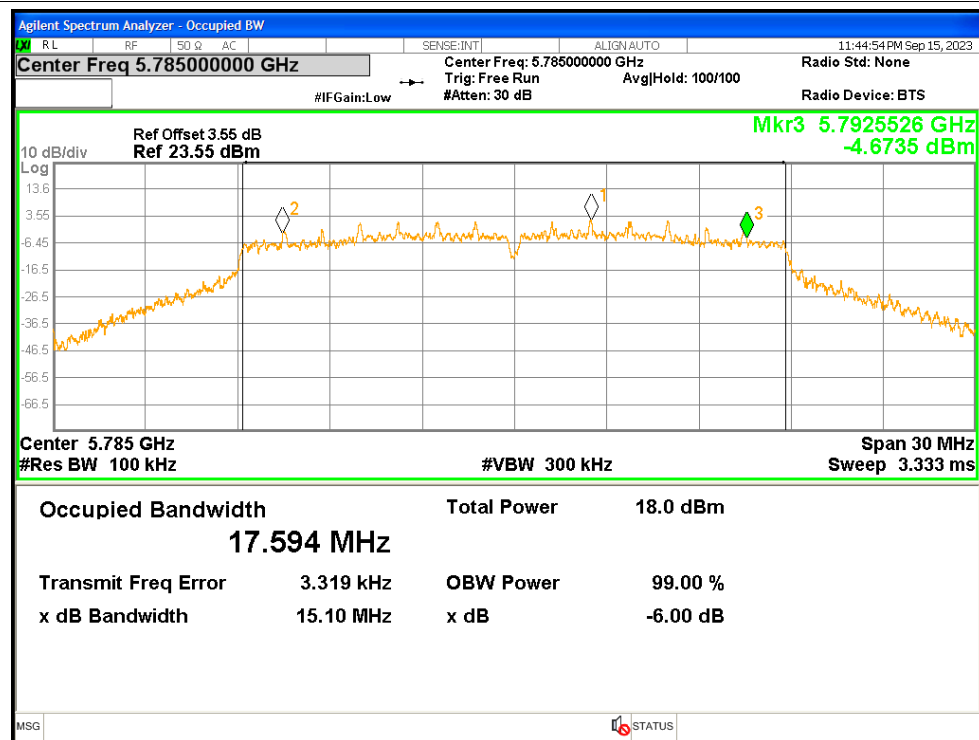
-6dB Bandwidth NVNT ac20 5825MHz Ant1**-6dB Bandwidth NVNT ac20 5825MHz Ant2**

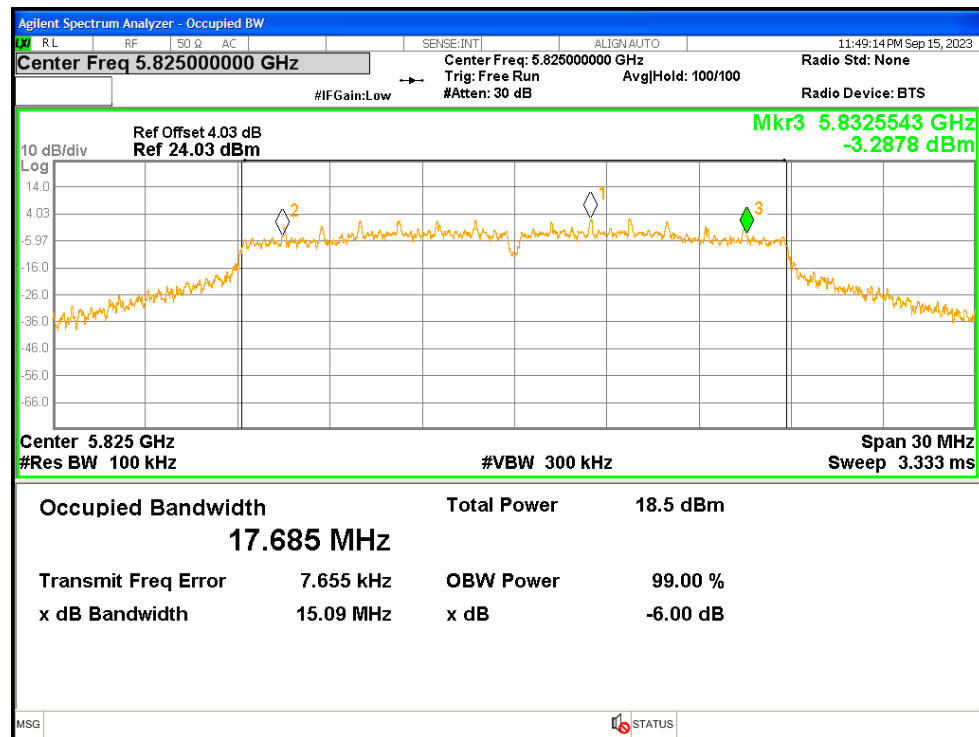
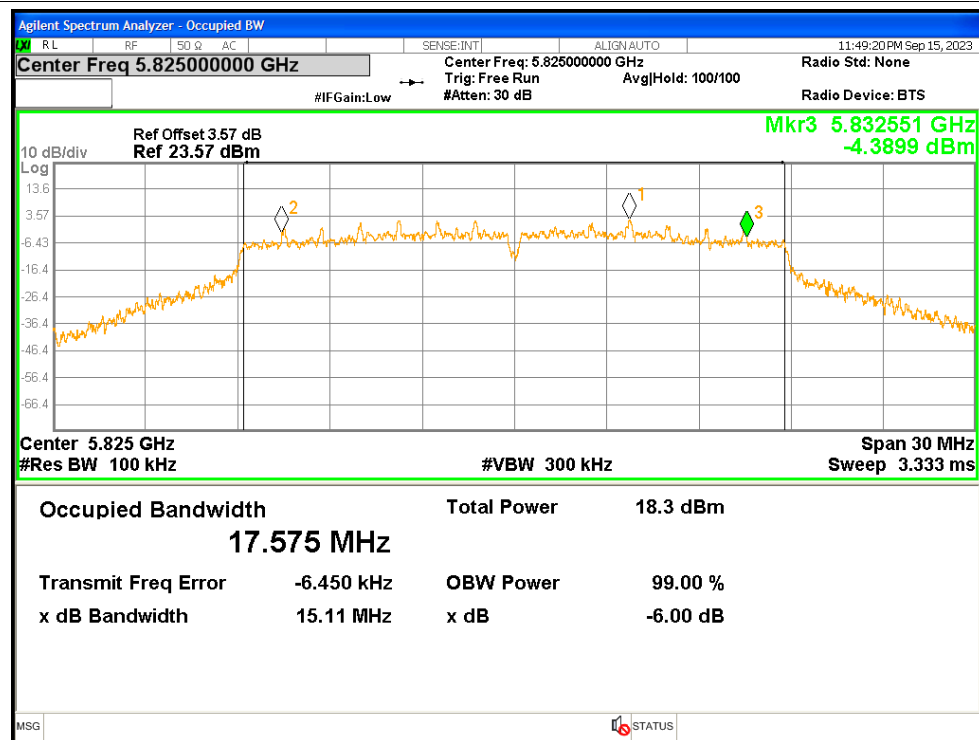
-6dB Bandwidth NVNT ac40 5755MHz Ant1**-6dB Bandwidth NVNT ac40 5755MHz Ant2**

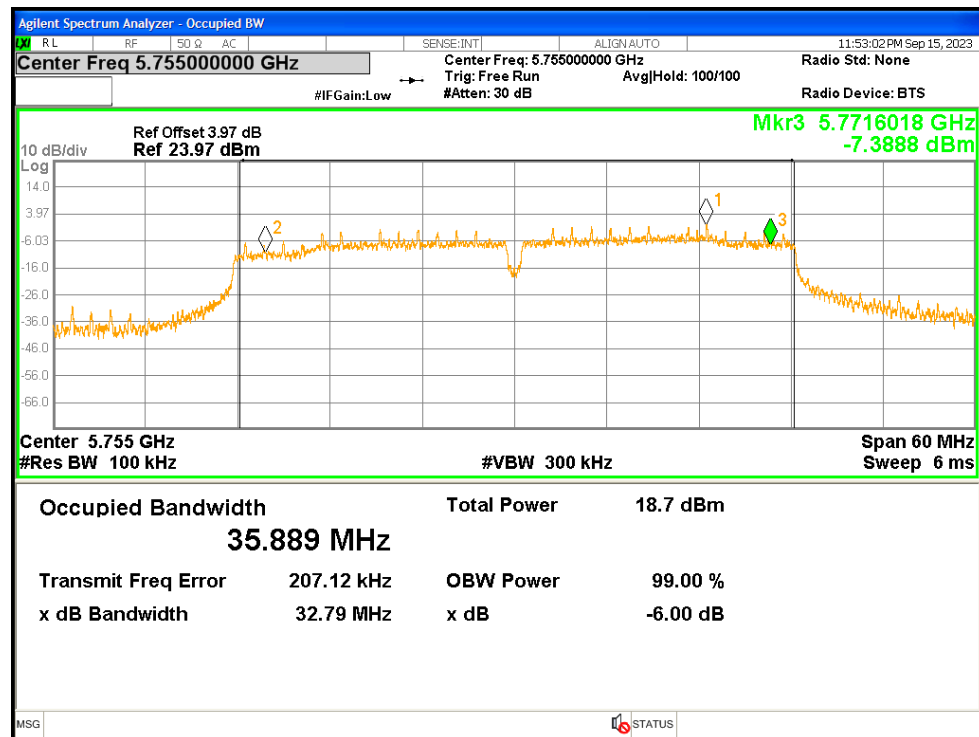
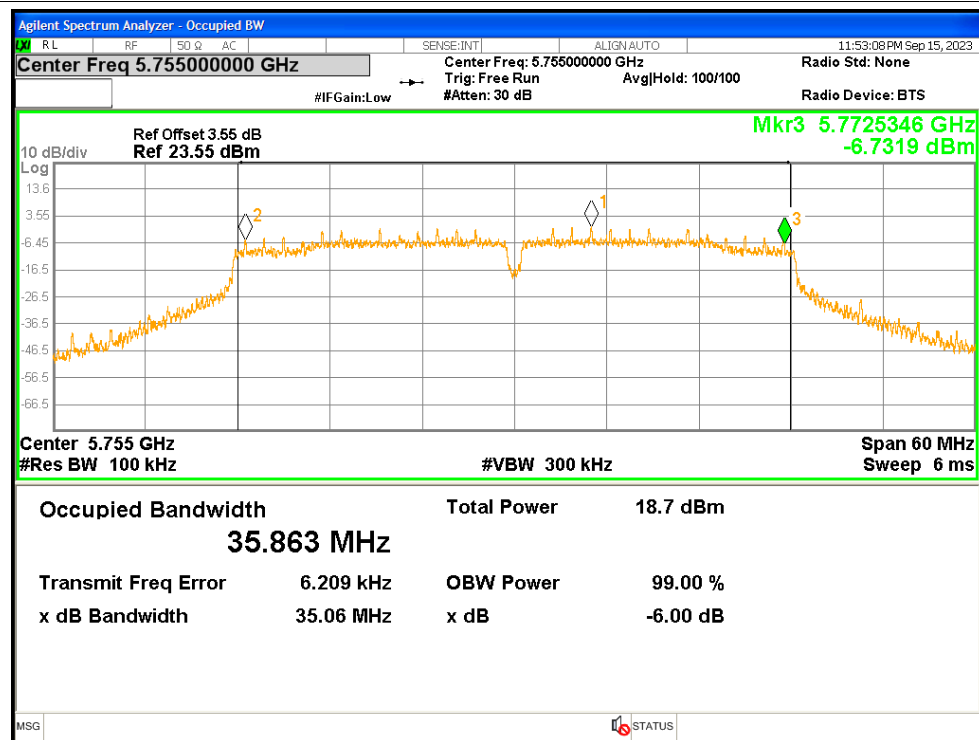
-6dB Bandwidth NVNT ac40 5795MHz Ant1**-6dB Bandwidth NVNT ac40 5795MHz Ant2**

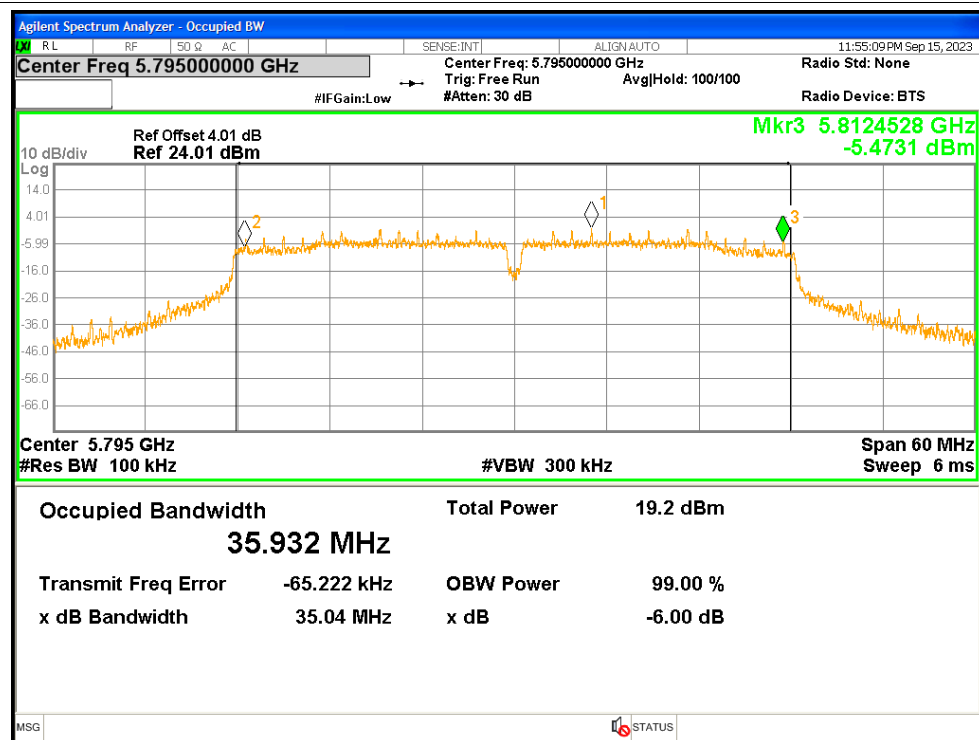
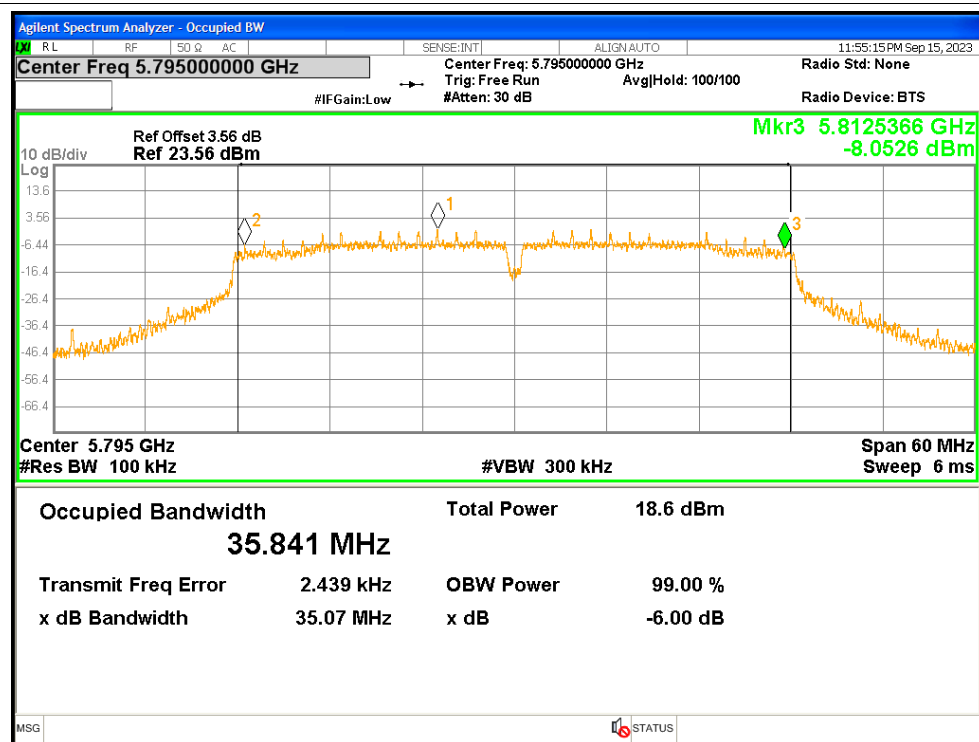
-6dB Bandwidth NVNT ac80 5775MHz Ant1**-6dB Bandwidth NVNT ac80 5775MHz Ant2**

-6dB Bandwidth NVNT n20 5745MHz Ant1**-6dB Bandwidth NVNT n20 5745MHz Ant2**

-6dB Bandwidth NVNT n20 5785MHz Ant1**-6dB Bandwidth NVNT n20 5785MHz Ant2**

-6dB Bandwidth NVNT n20 5825MHz Ant1**-6dB Bandwidth NVNT n20 5825MHz Ant2**

-6dB Bandwidth NVNT n40 5755MHz Ant1**-6dB Bandwidth NVNT n40 5755MHz Ant2**

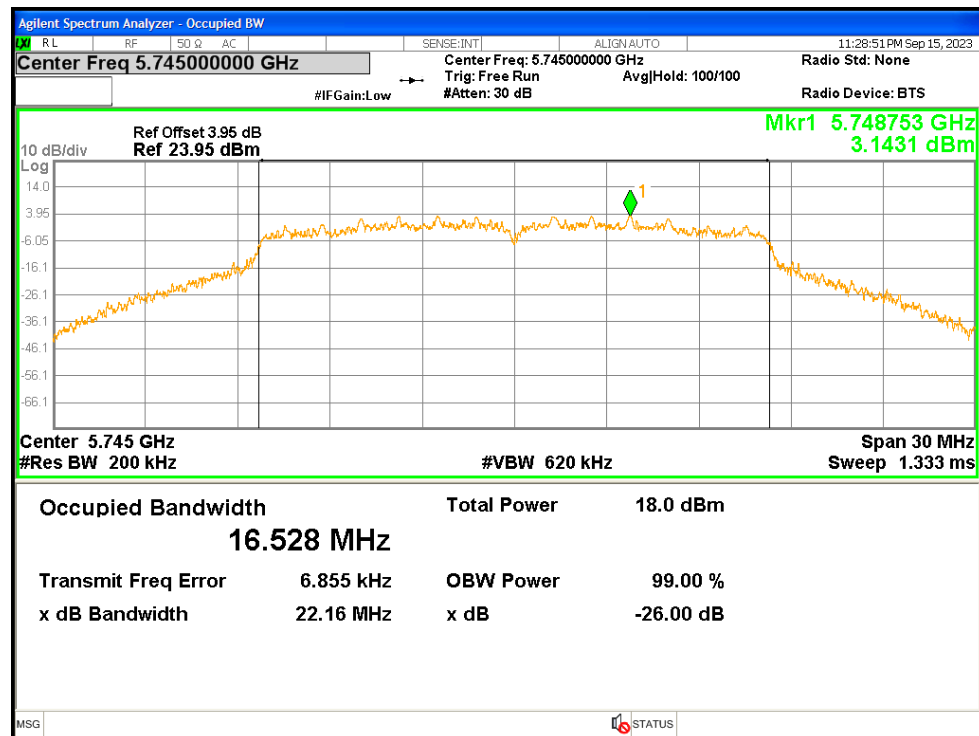
-6dB Bandwidth NVNT n40 5795MHz Ant1**-6dB Bandwidth NVNT n40 5795MHz Ant2**

4. Occupied Channel Bandwidth

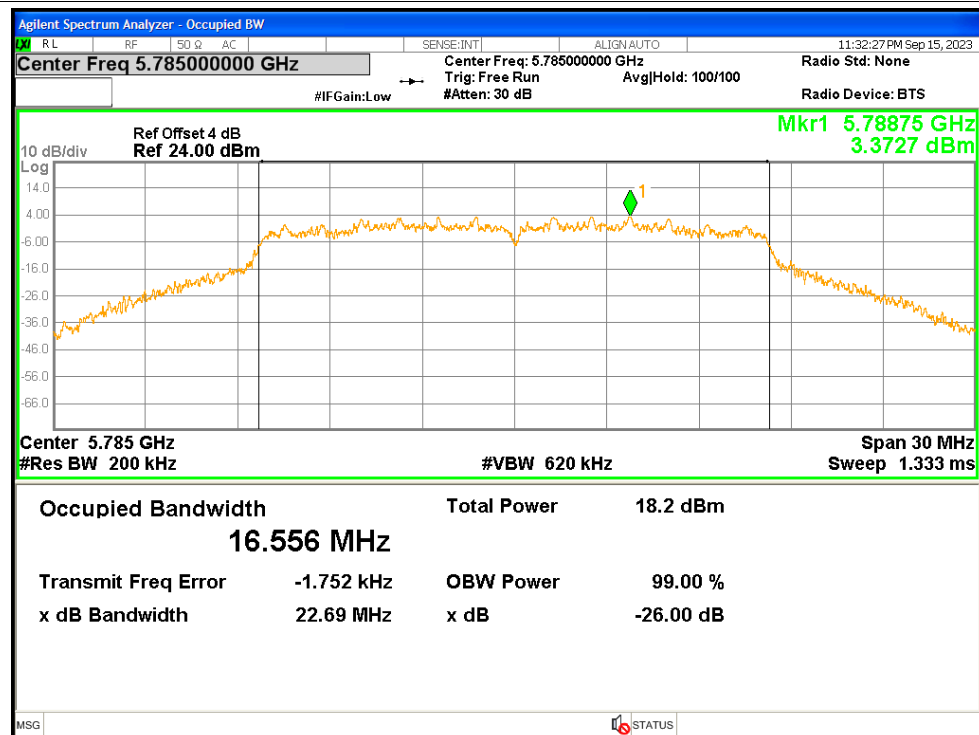
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.5277
NVNT	a	5785	Ant1	16.5556
NVNT	a	5825	Ant1	16.5818
NVNT	a	5745	Ant2	16.5926
NVNT	a	5785	Ant2	16.5457
NVNT	a	5825	Ant2	16.5346
NVNT	ac20	5745	Ant1	17.6003
NVNT	ac20	5745	Ant2	17.6393
NVNT	ac20	5785	Ant1	17.7399
NVNT	ac20	5785	Ant2	17.6171
NVNT	ac20	5825	Ant1	17.7755
NVNT	ac20	5825	Ant2	17.6407
NVNT	ac40	5755	Ant1	36.1102
NVNT	ac40	5755	Ant2	36.005
NVNT	ac40	5795	Ant1	36.0769
NVNT	ac40	5795	Ant2	35.9853
NVNT	ac80	5775	Ant1	74.738
NVNT	ac80	5775	Ant2	75.0892
NVNT	n20	5745	Ant1	17.638
NVNT	n20	5745	Ant2	17.6706
NVNT	n20	5785	Ant1	17.6849
NVNT	n20	5785	Ant2	17.6475
NVNT	n20	5825	Ant1	17.7832
NVNT	n20	5825	Ant2	17.6496
NVNT	n40	5755	Ant1	36.0624
NVNT	n40	5755	Ant2	35.98
NVNT	n40	5795	Ant1	36.0851
NVNT	n40	5795	Ant2	35.9667

Test Graphs

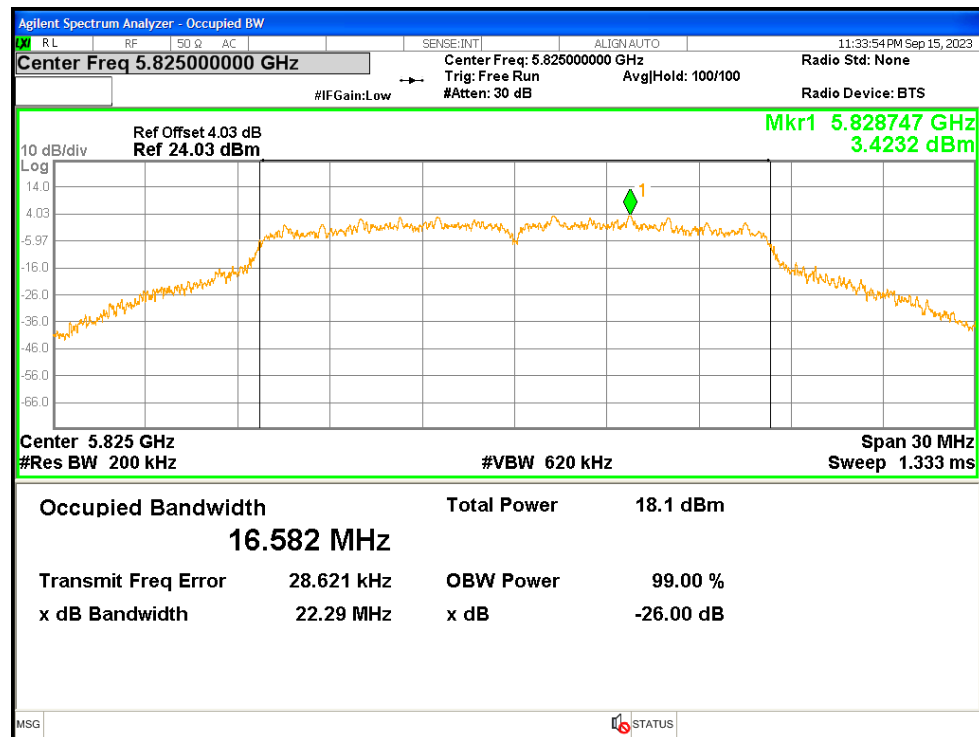
OBW NVNT a 5745MHz Ant1



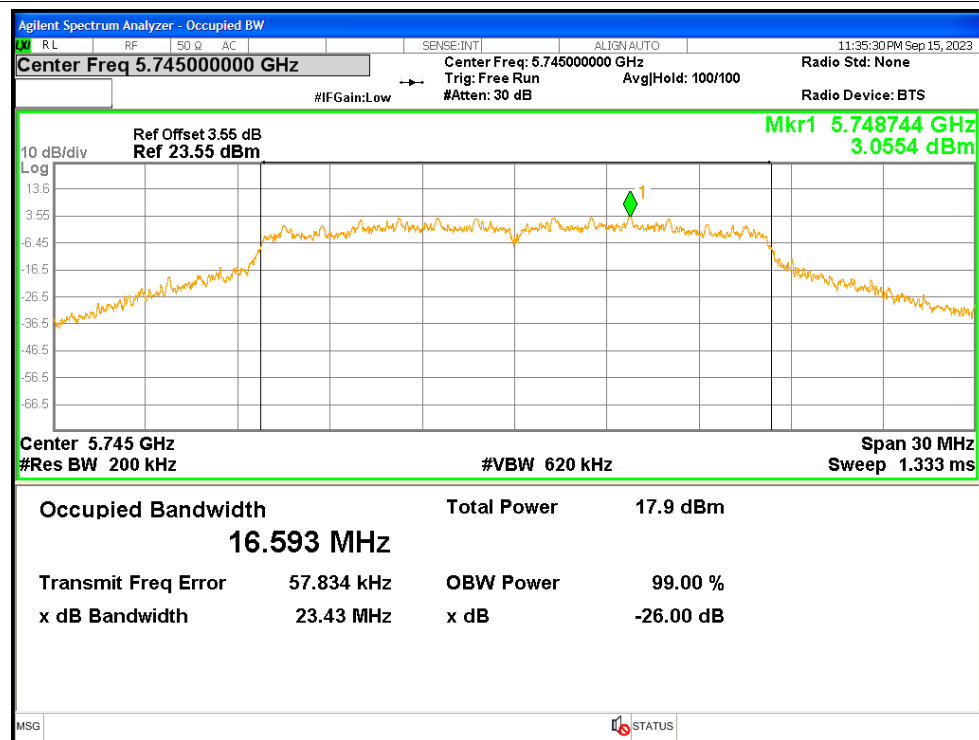
OBW NVNT a 5785MHz Ant1



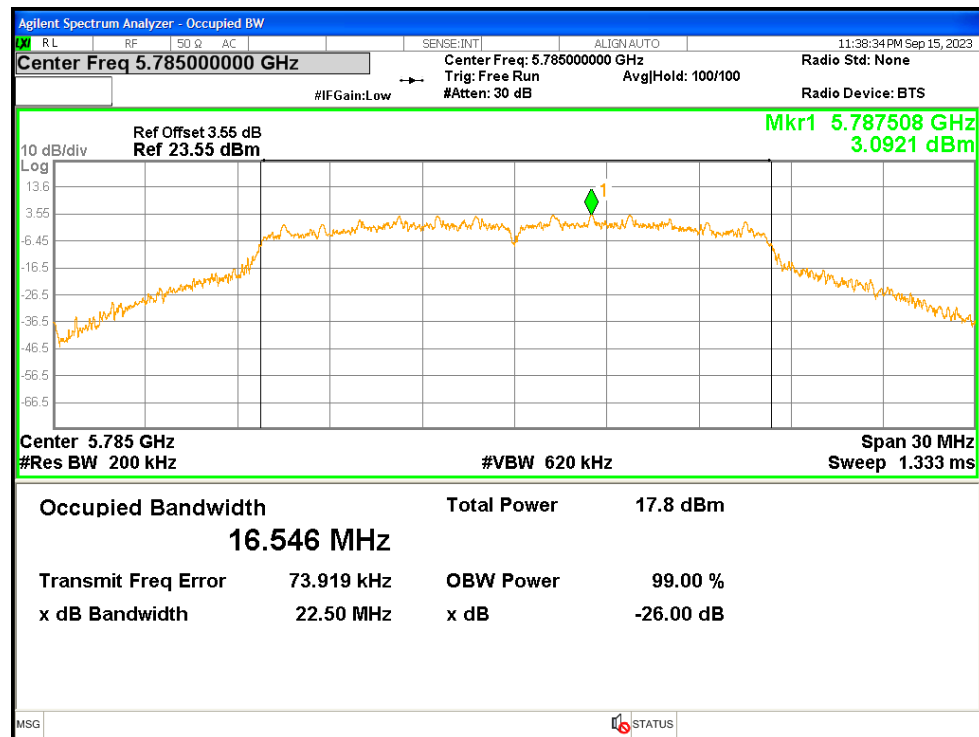
OBW NVNT a 5825MHz Ant1



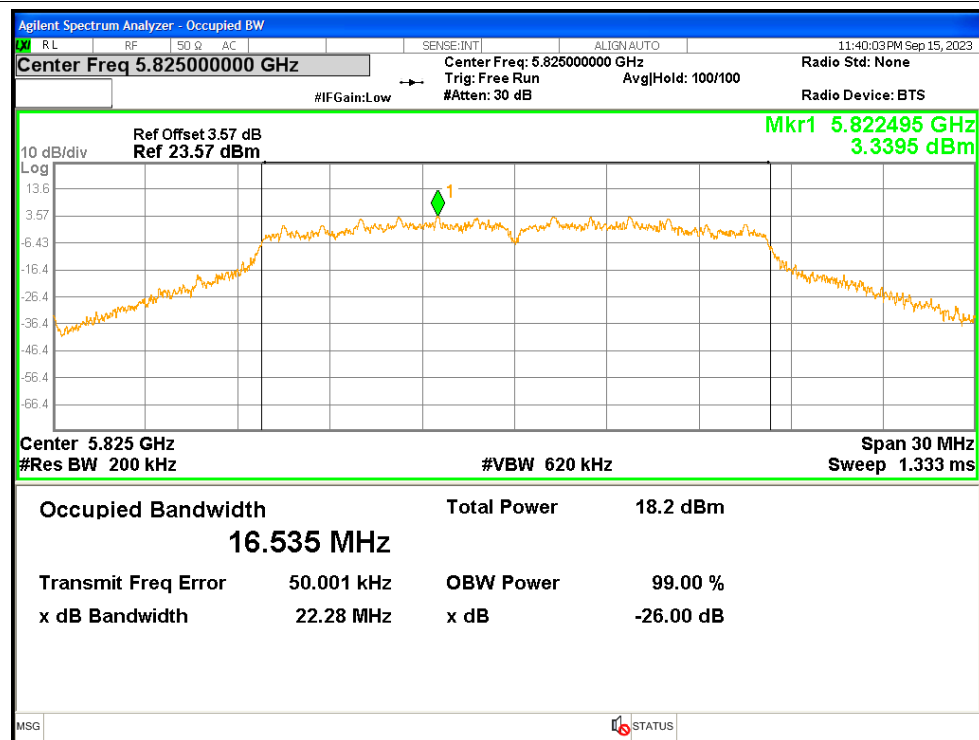
OBW NVNT a 5745MHz Ant2



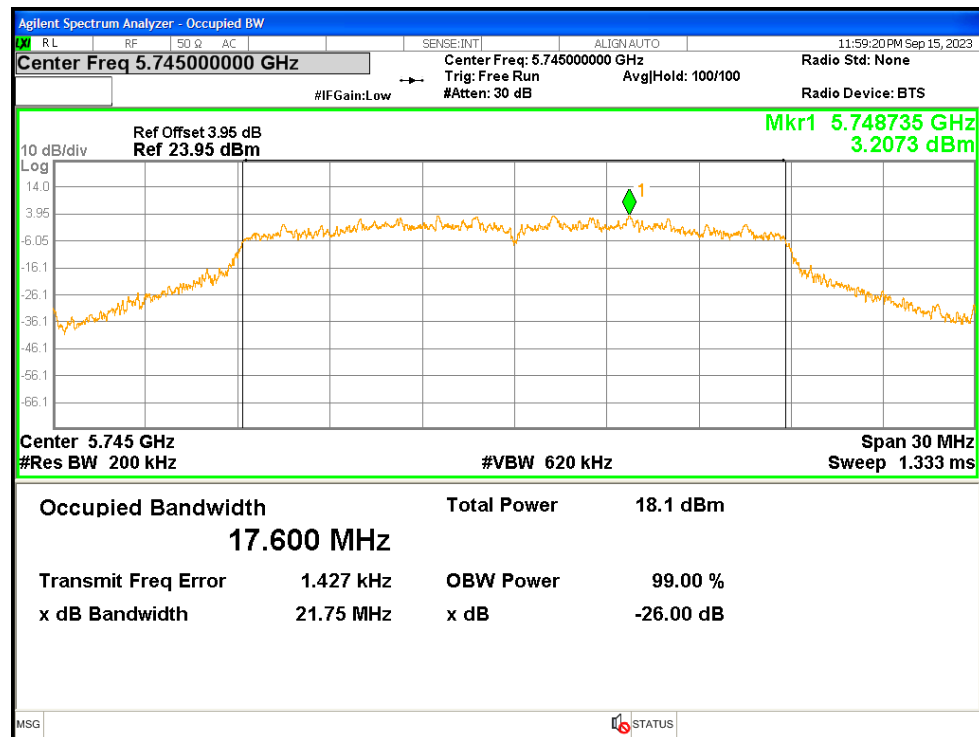
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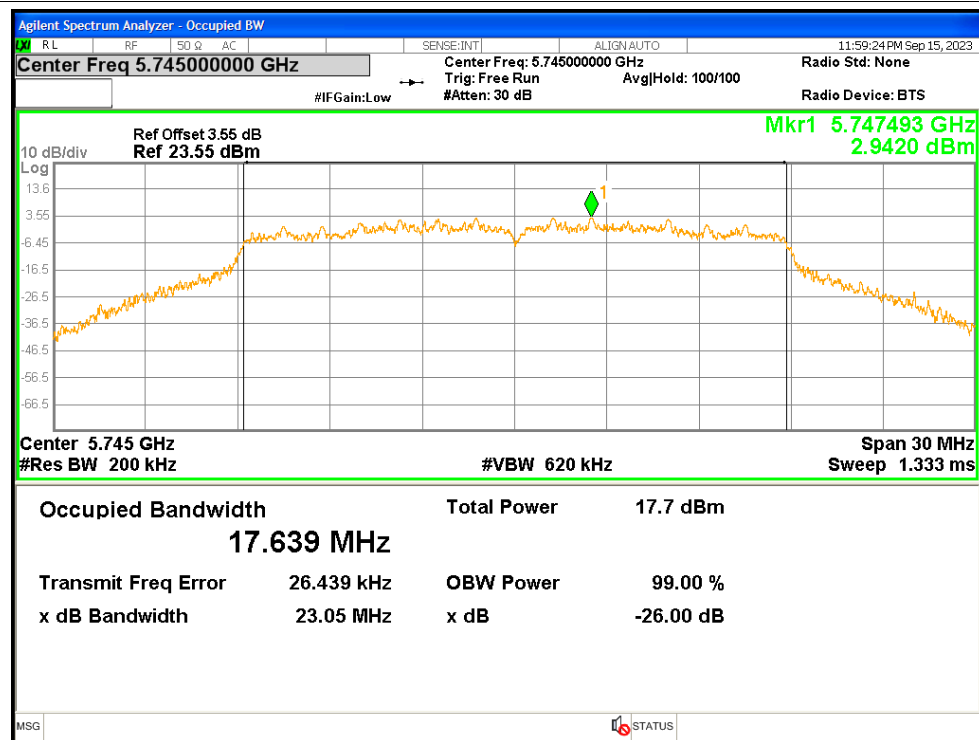
OBW NVNT a 5825MHz Ant2



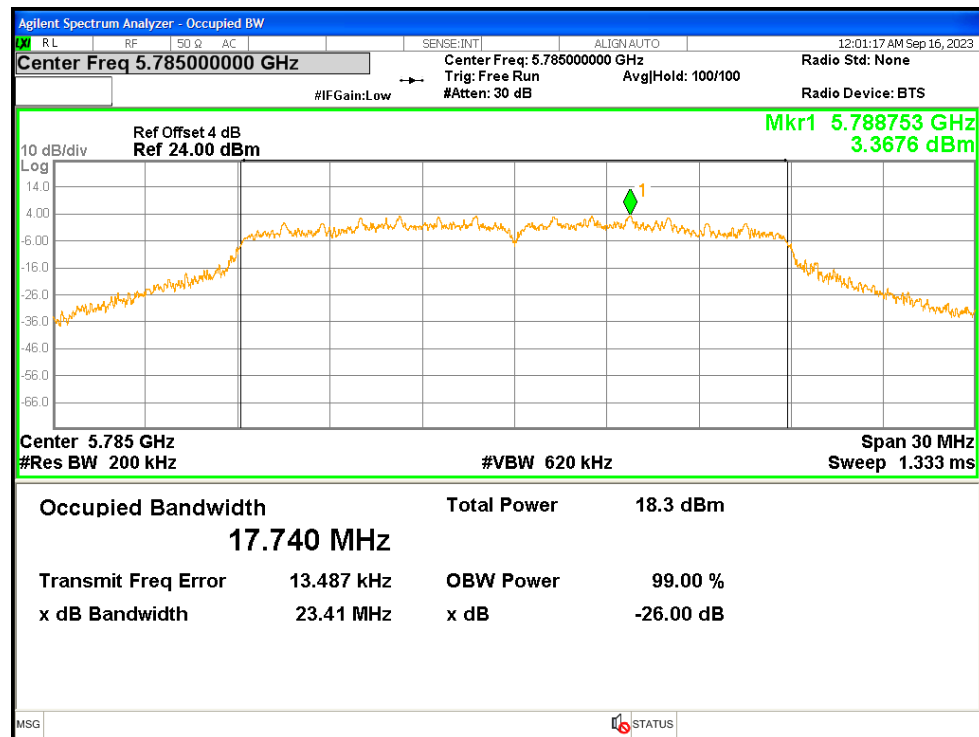
OBW NVNT ac20 5745MHz Ant1



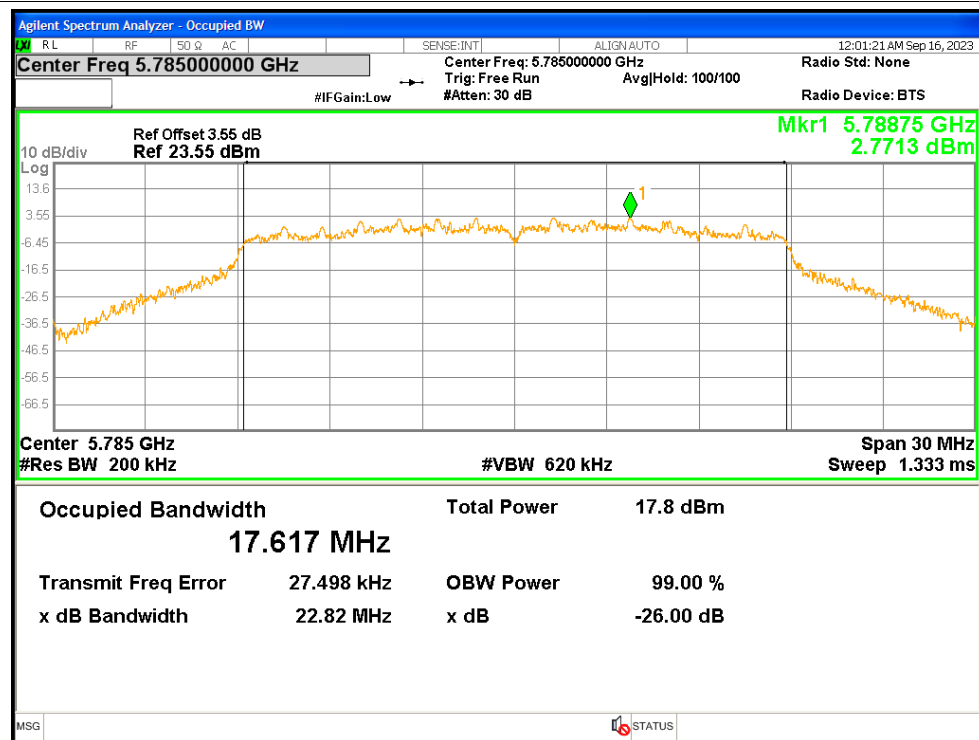
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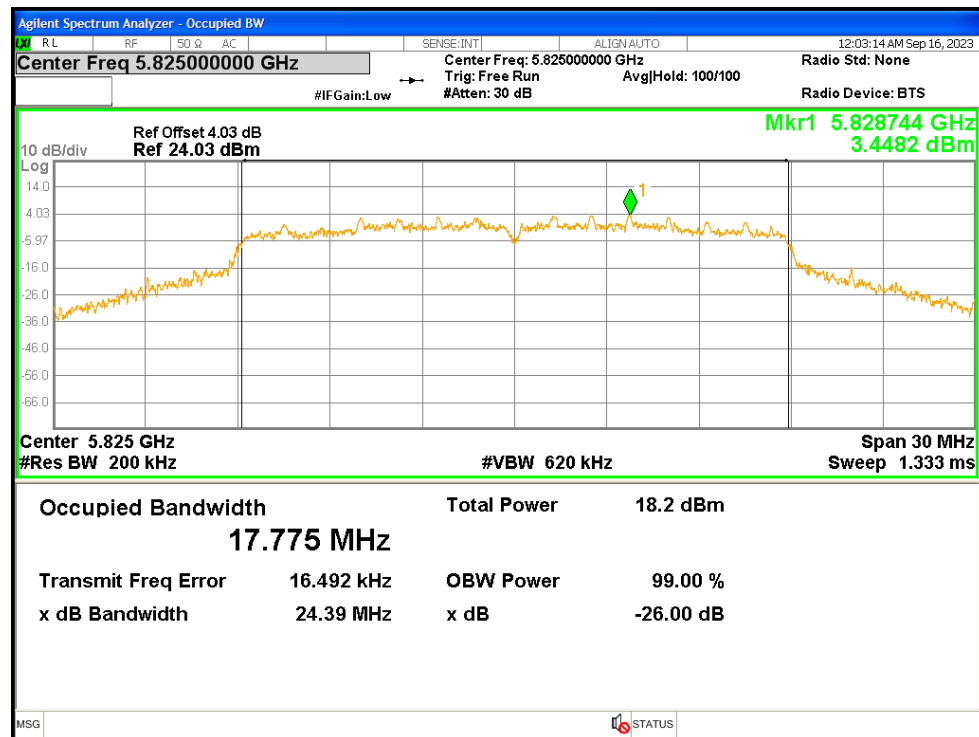
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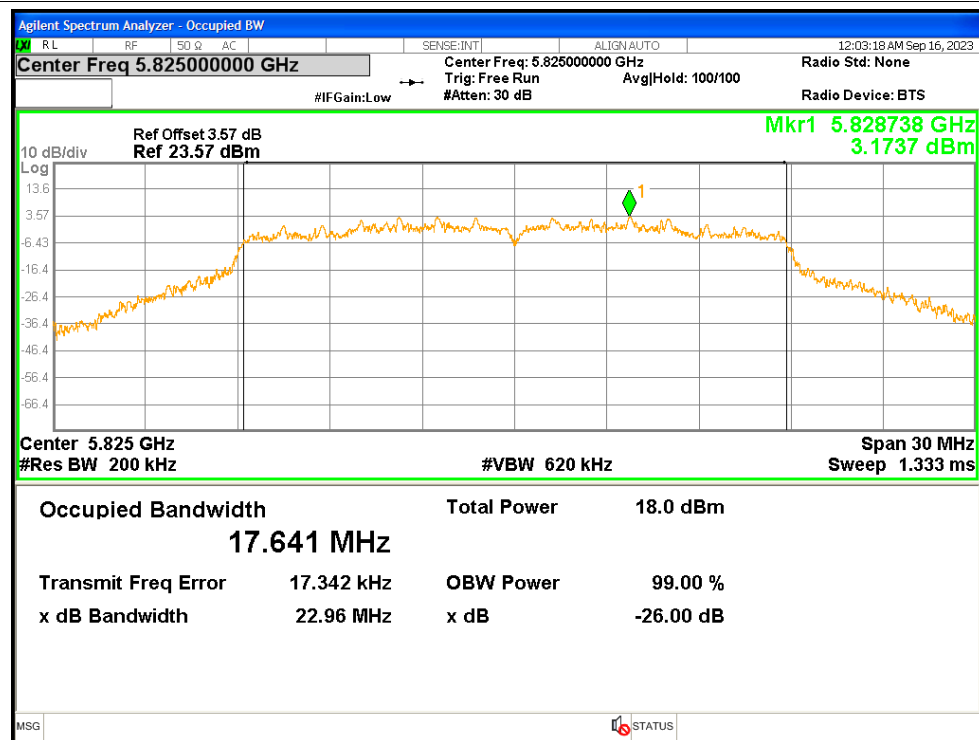
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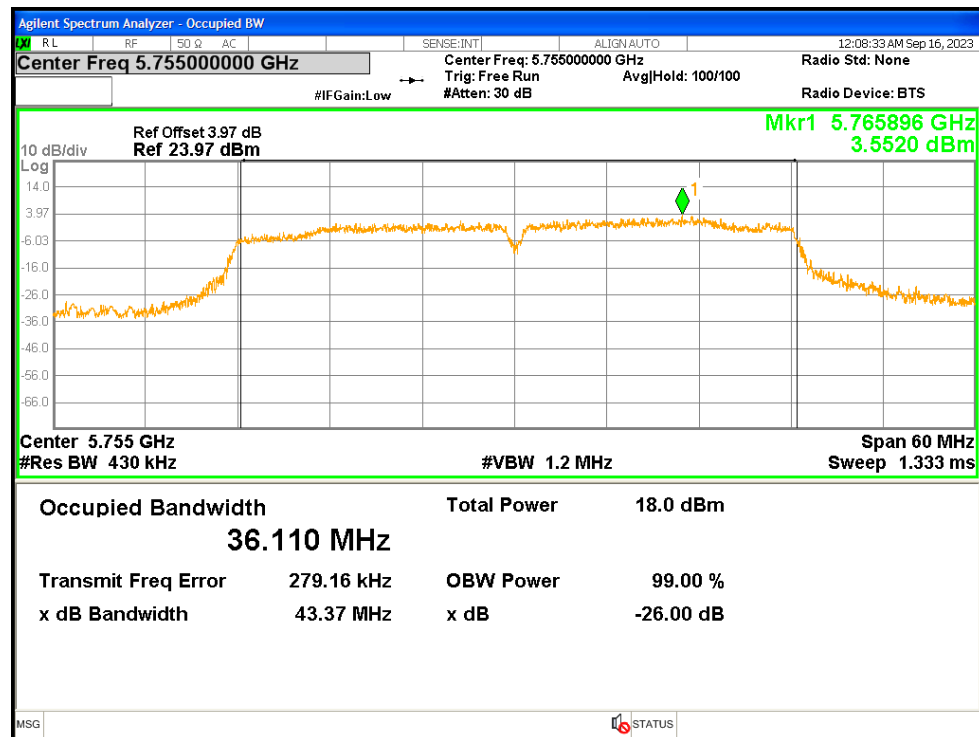
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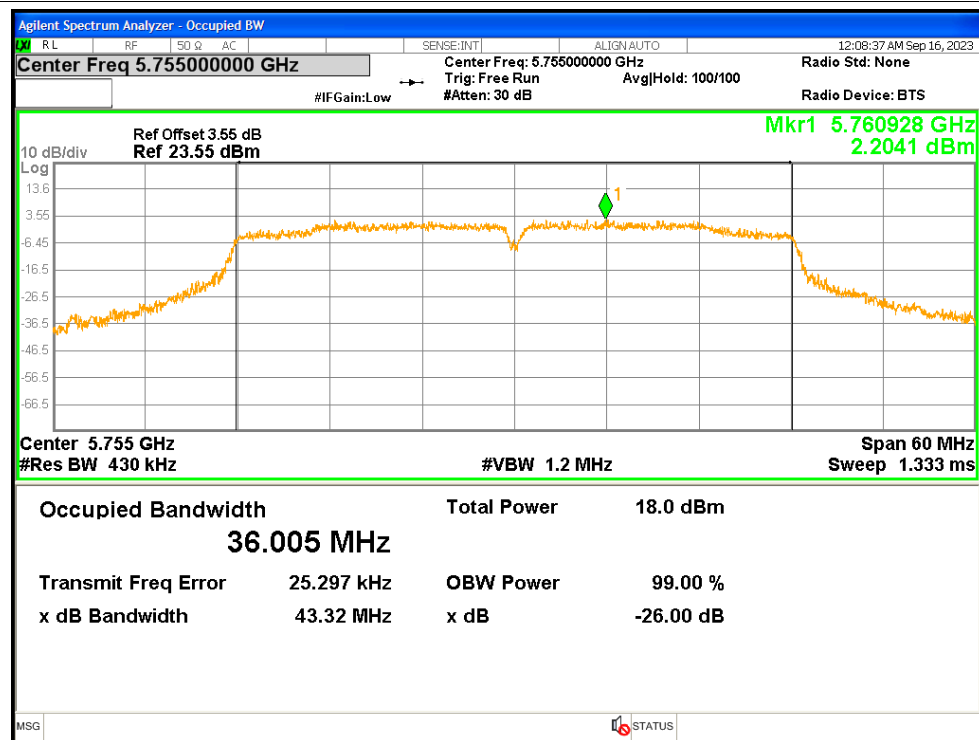
OBW NVNT ac20 5825MHz Ant2



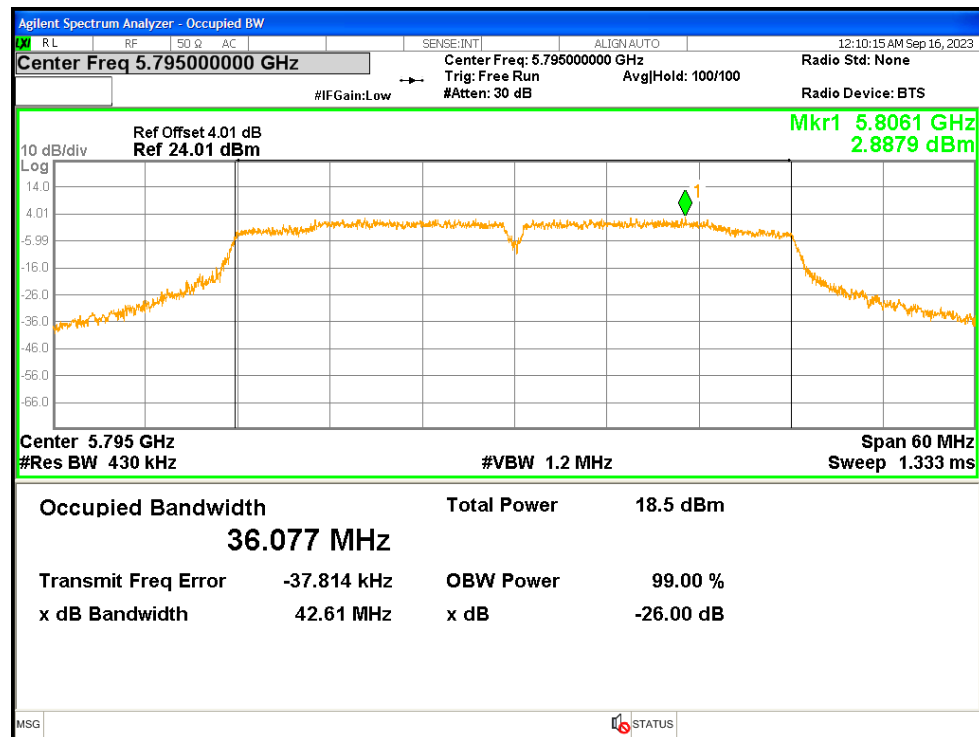
OBW NVNT ac40 5755MHz Ant1



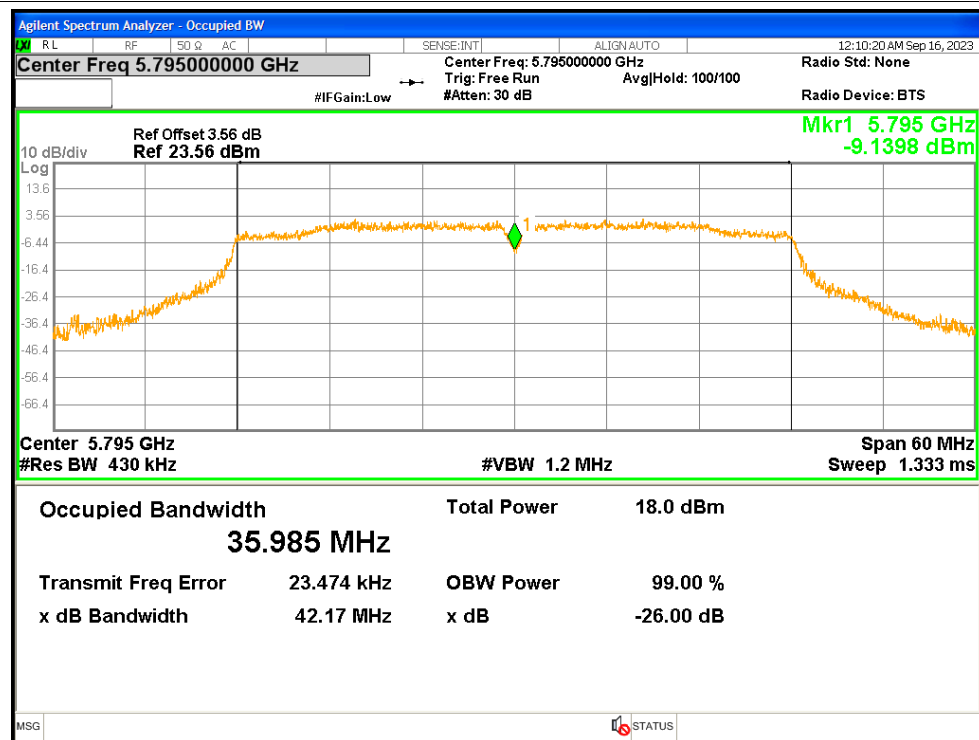
OBW NVNT ac40 5755MHz Ant2



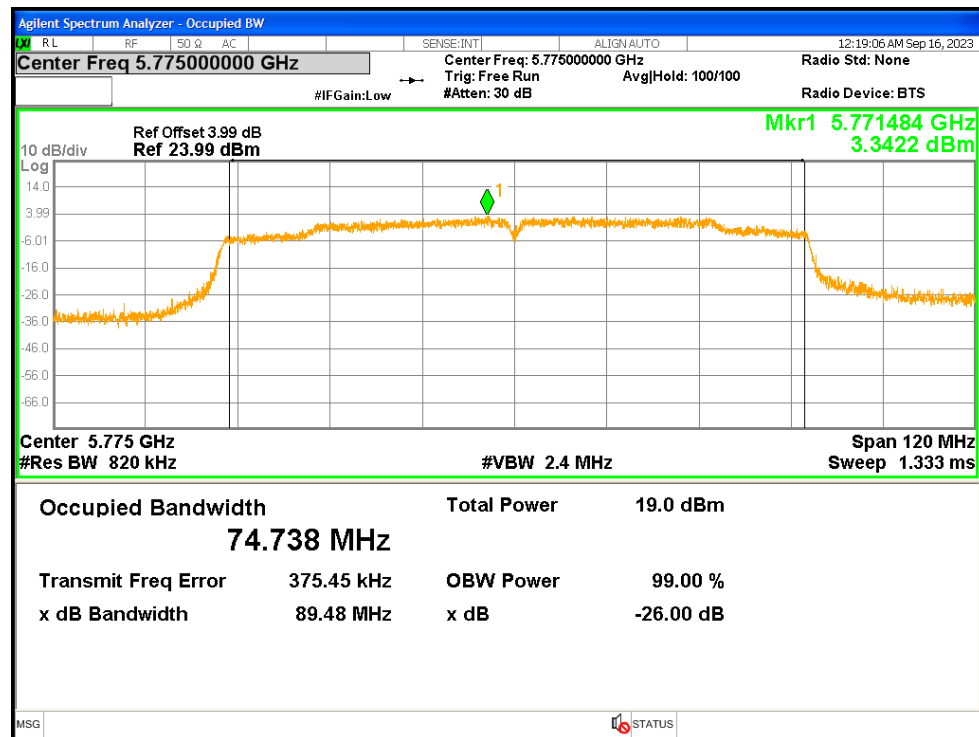
OBW NVNT ac40 5795MHz Ant1



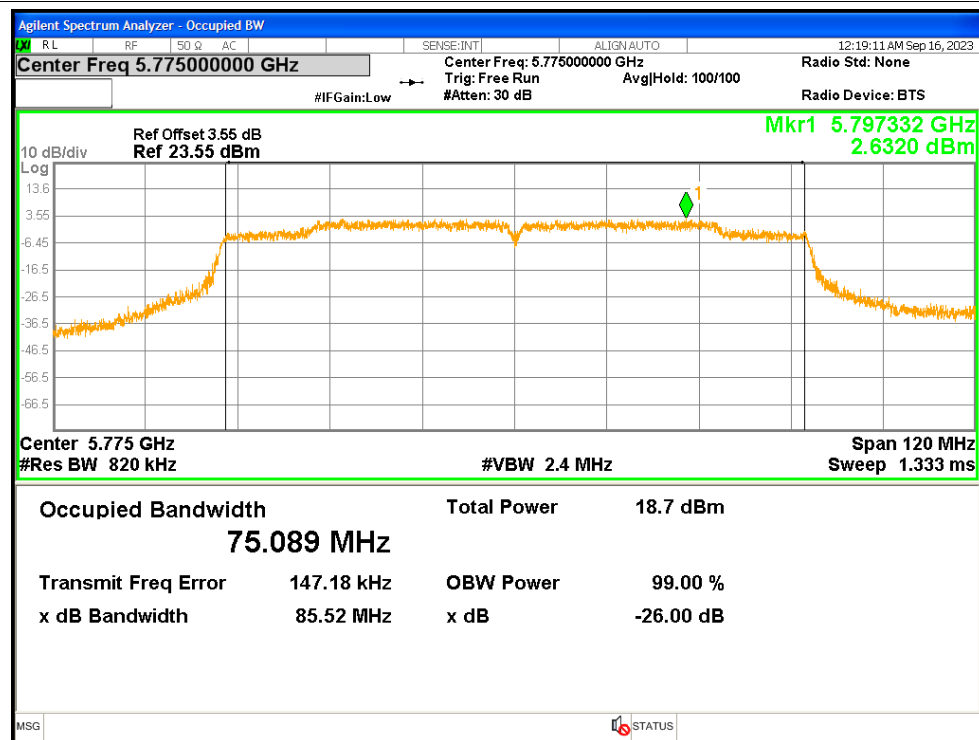
OBW NVNT ac40 5795MHz Ant2



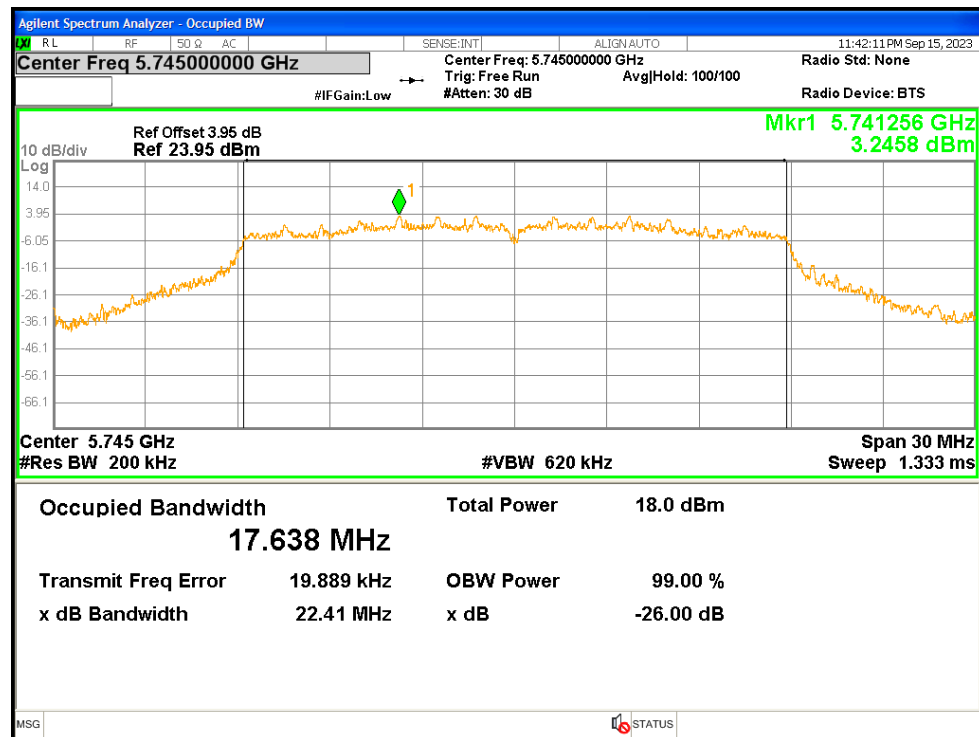
OBW NVNT ac80 5775MHz Ant1



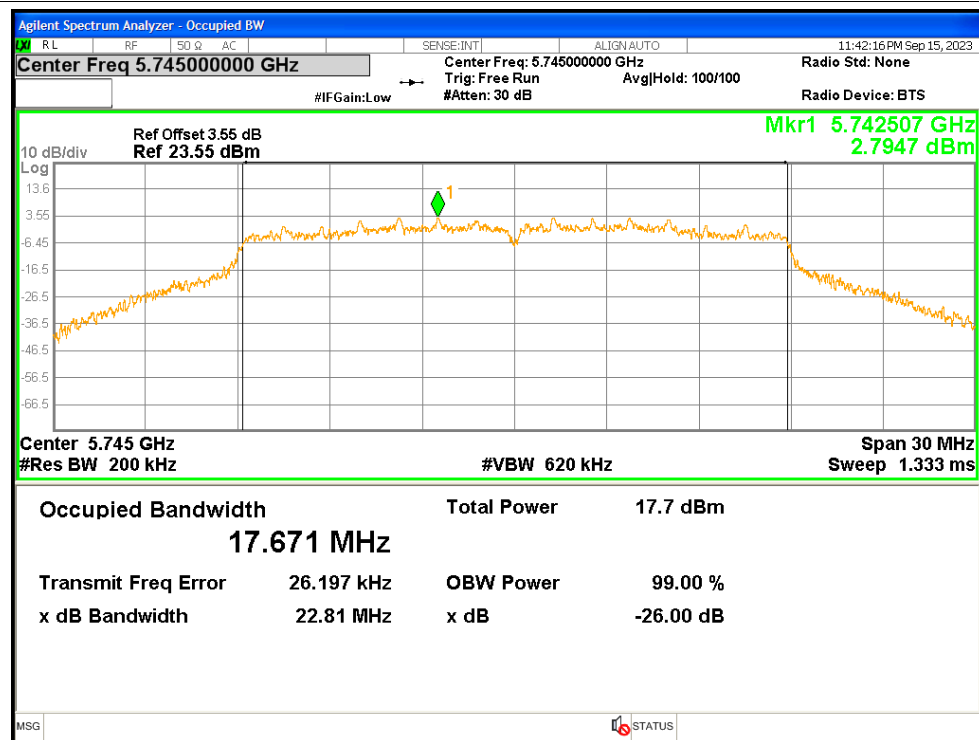
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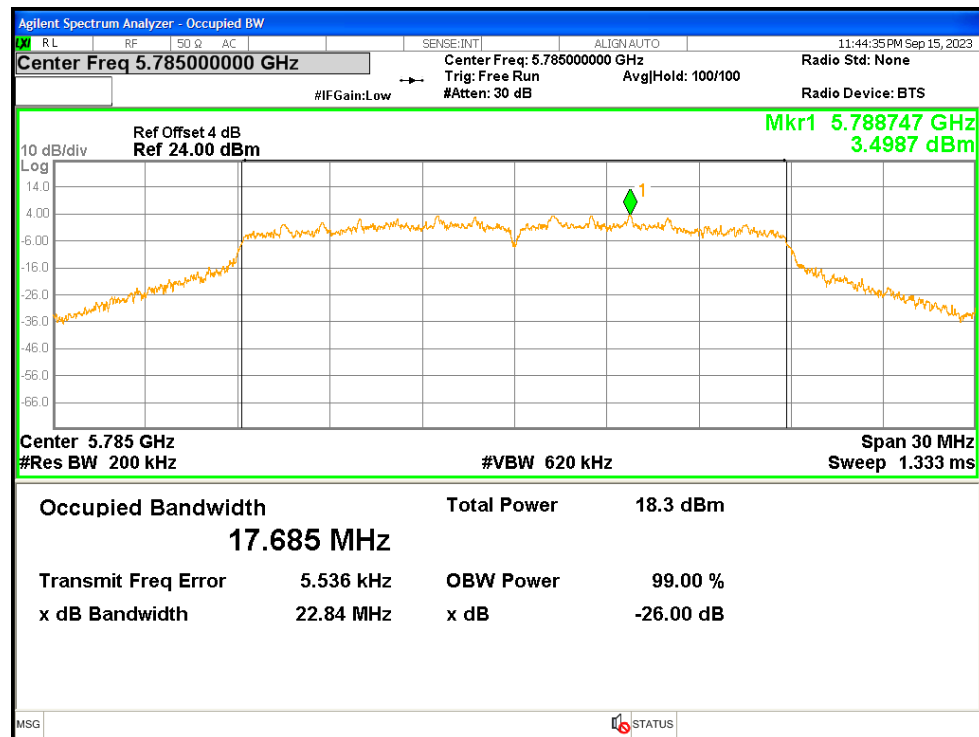
OBW NVNT n20 5745MHz Ant1



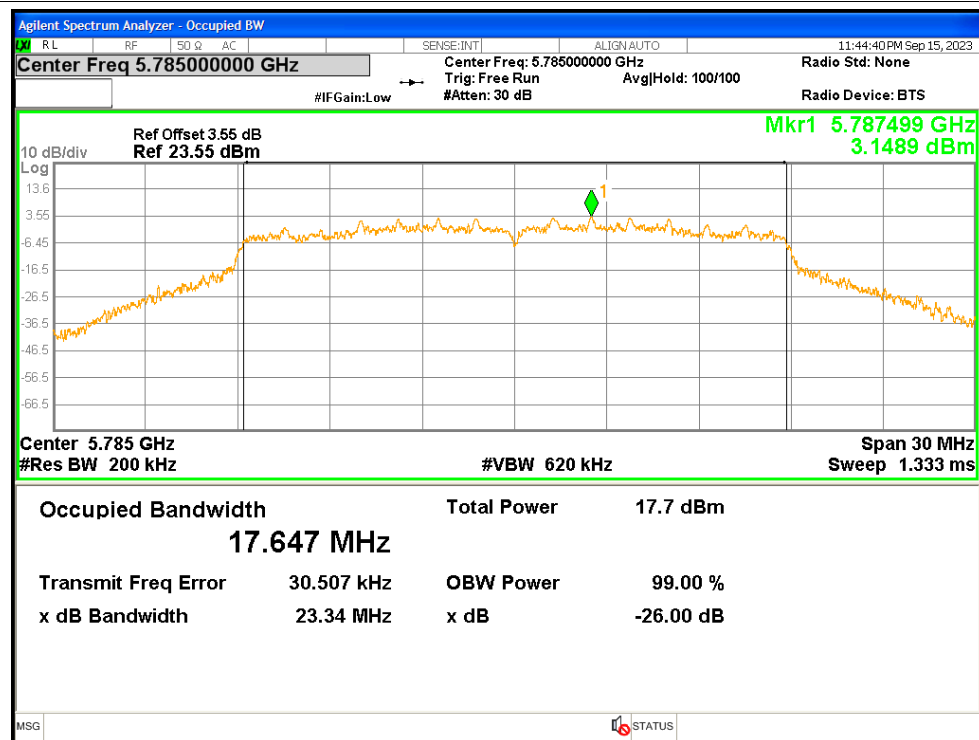
OBW NVNT n20 5745MHz Ant2



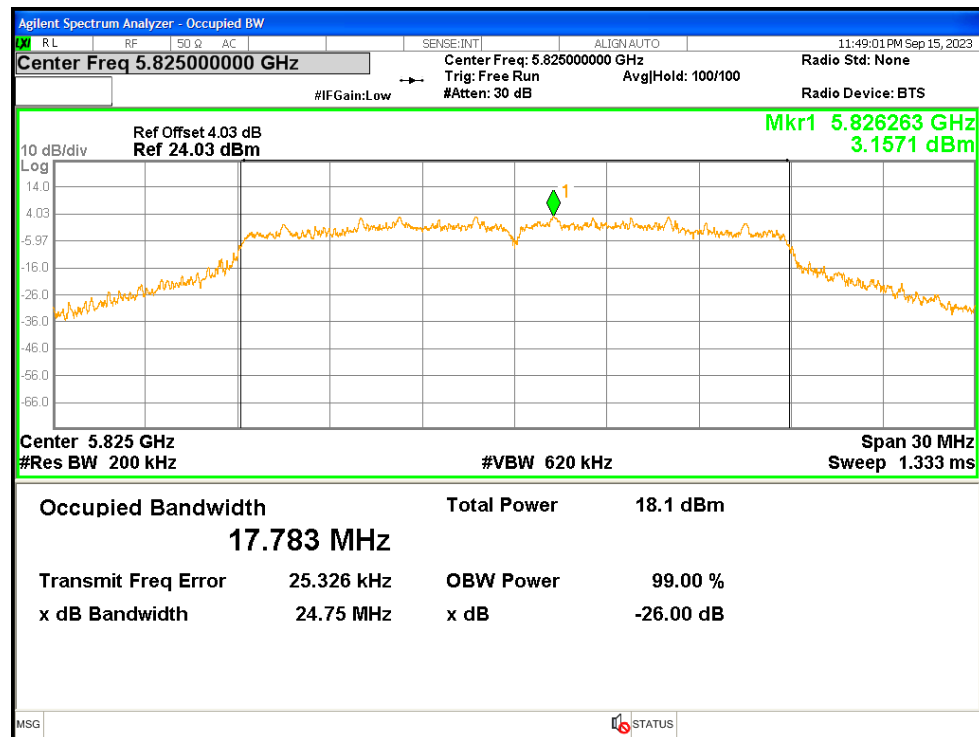
OBW NVNT n20 5785MHz Ant1



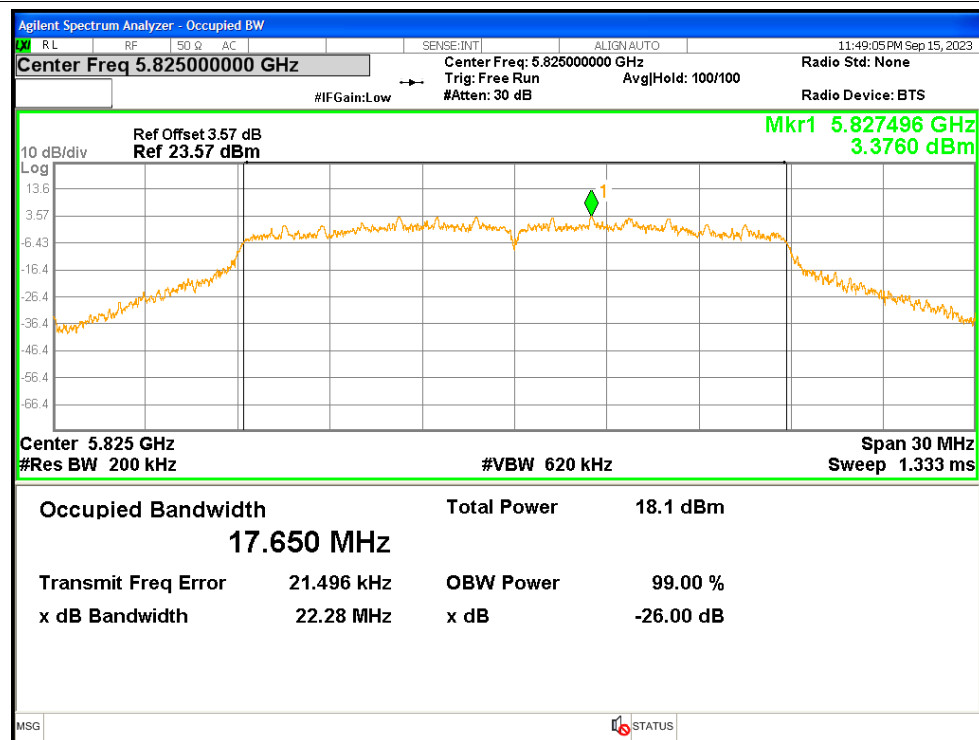
OBW NVNT n20 5785MHz Ant2



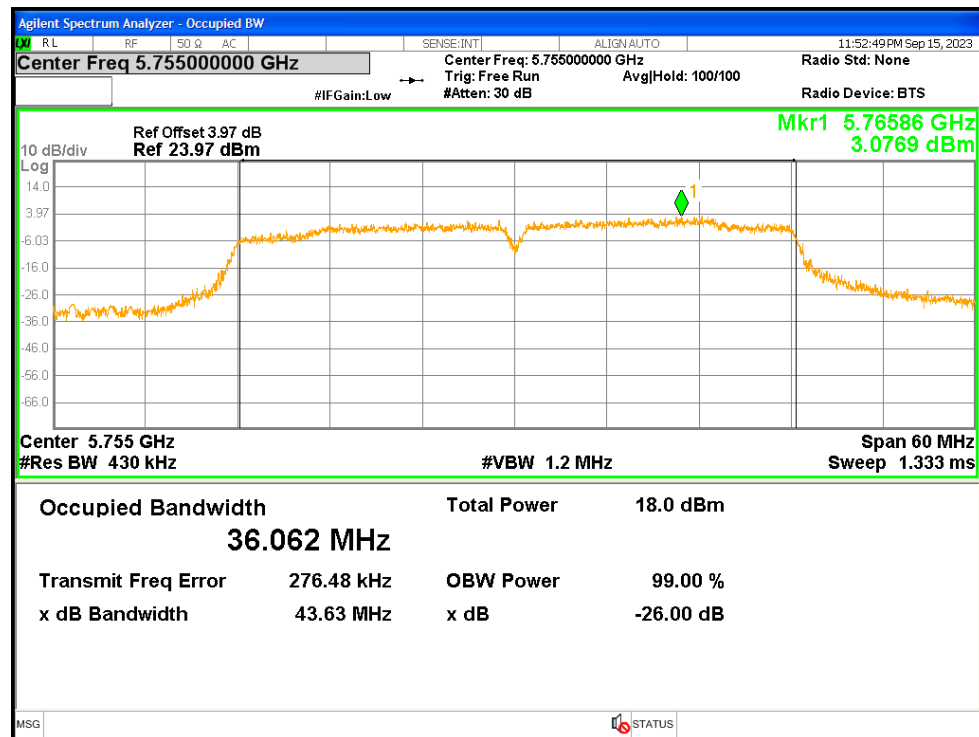
OBW NVNT n20 5825MHz Ant1



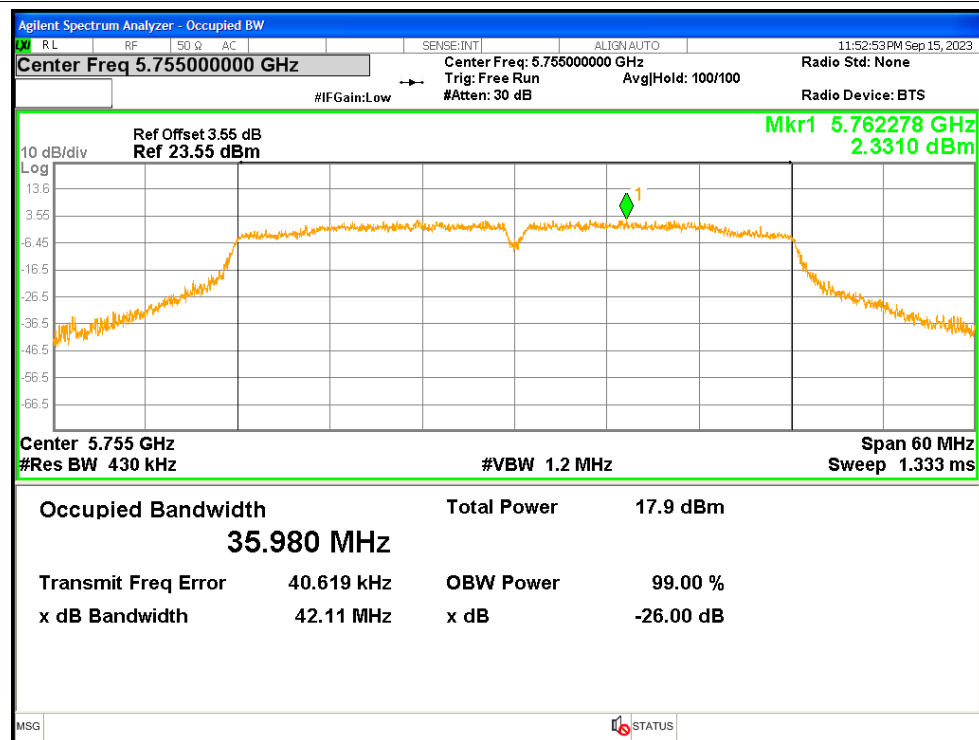
OBW NVNT n20 5825MHz Ant2



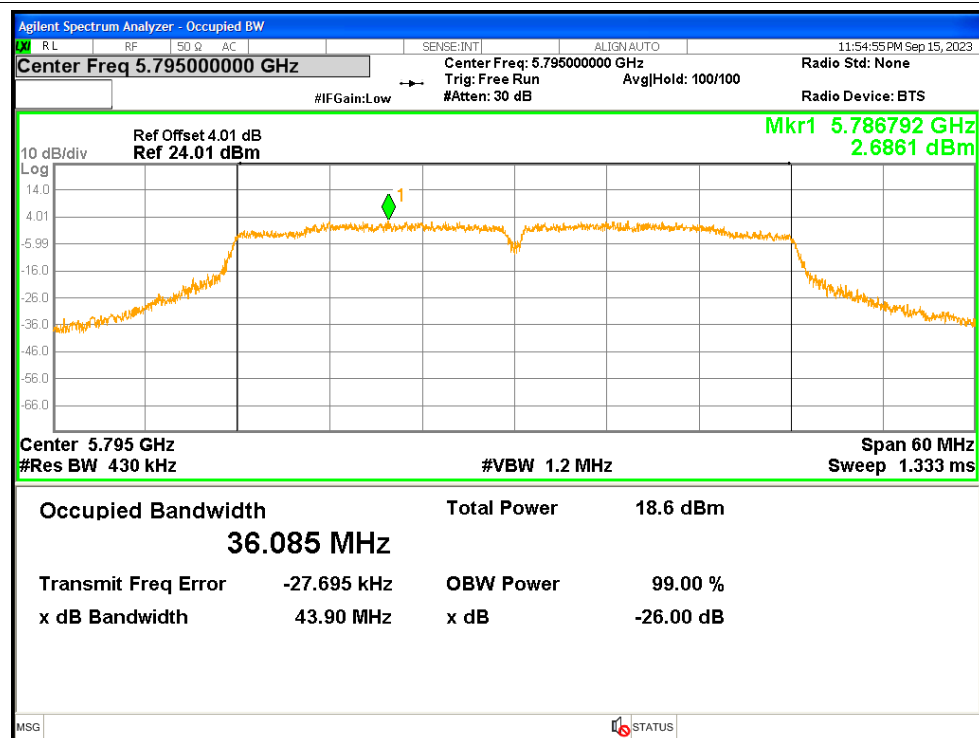
OBW NVNT n40 5755MHz Ant1



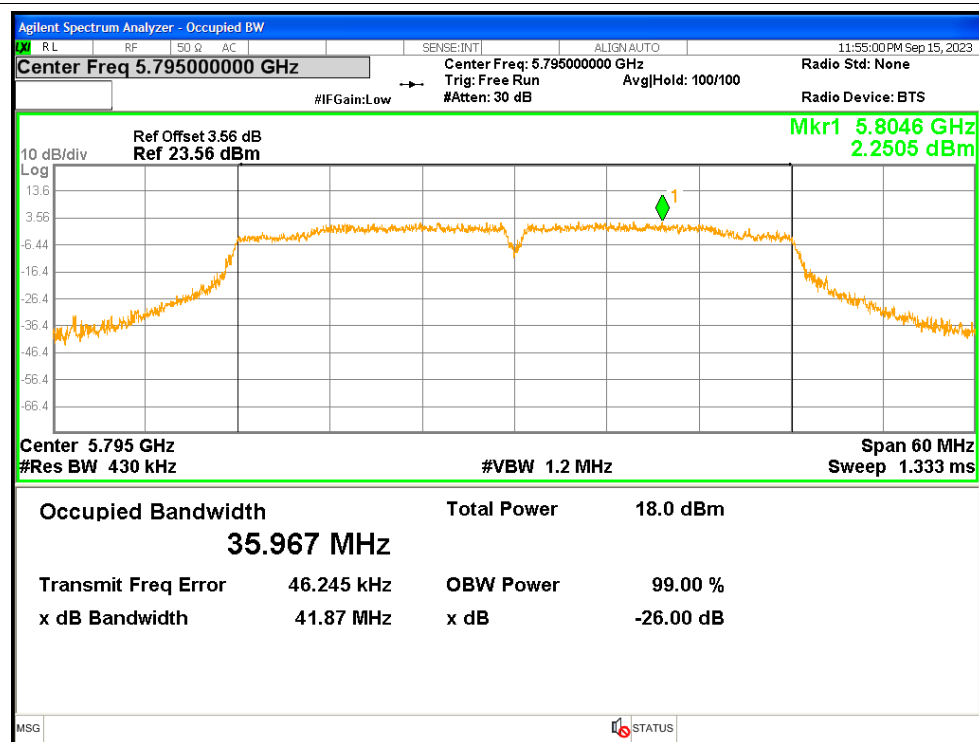
OBW NVNT n40 5755MHz Ant2



OBW NVNT n40 5795MHz Ant1



OBW NVNT n40 5795MHz Ant2

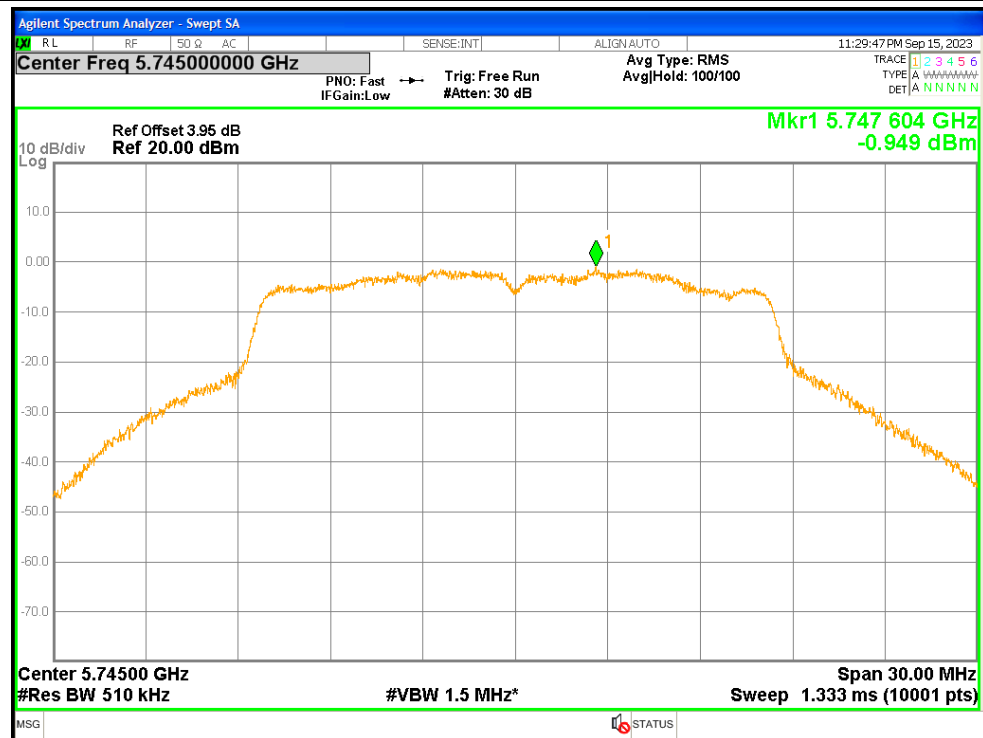


5. Maximum Power Spectral Density Level

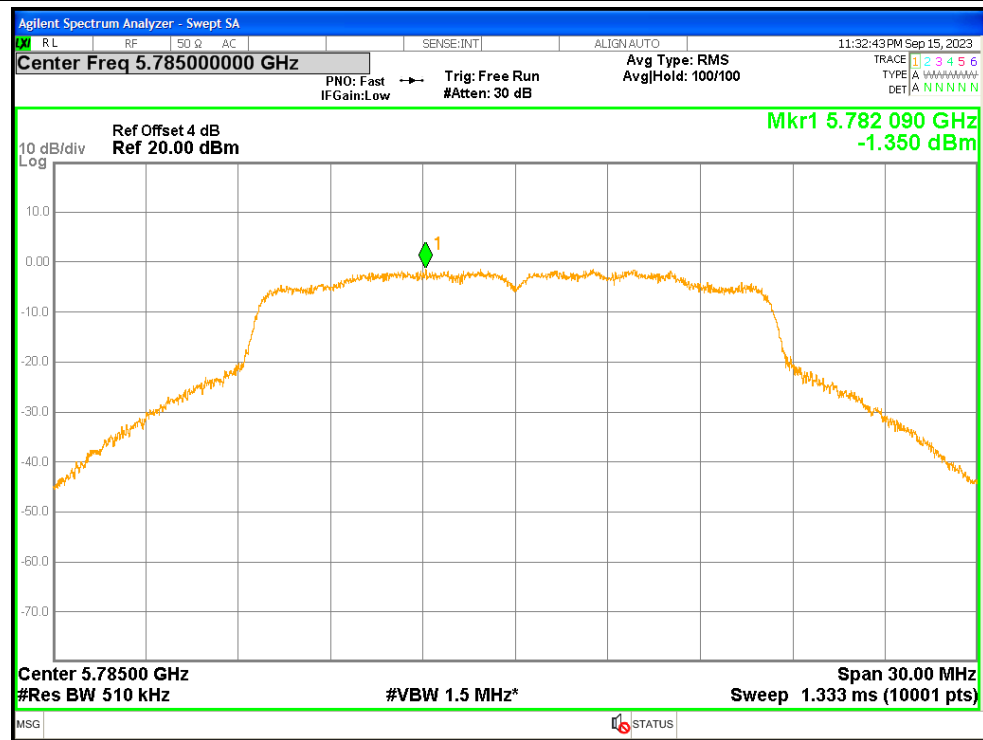
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm/500kHz)	Verdict
NVNT	a	5745	Ant1	-0.949	0.97	0.021	<=30	Pass
NVNT	a	5785	Ant1	-1.35	0.94	-0.41	<=30	Pass
NVNT	a	5825	Ant1	-0.957	0.93	-0.027	<=30	Pass
NVNT	a	5745	Ant2	-1.62	0.95	-0.67	<=30	Pass
NVNT	a	5785	Ant2	-1.68	0.95	-0.73	<=30	Pass
NVNT	a	5825	Ant2	-1.236	0.94	-0.296	<=30	Pass
NVNT	ac20	5745	Ant1	-1.36	0.59	-0.77	<=30	Pass
NVNT	ac20	5745	Ant2	-1.54	0.59	-0.95	<=30	Pass
NVNT	ac20	5745	Sum	1.561	0.59	2.151	<=30	Pass
NVNT	ac20	5785	Ant1	-1.369	0.59	-0.779	<=30	Pass
NVNT	ac20	5785	Ant2	-1.709	0.59	-1.119	<=30	Pass
NVNT	ac20	5785	Sum	1.475	0.59	2.065	<=30	Pass
NVNT	ac20	5825	Ant1	-1.213	0.6	-0.613	<=30	Pass
NVNT	ac20	5825	Ant2	-0.986	0.6	-0.386	<=30	Pass
NVNT	ac20	5825	Sum	1.912	0.6	2.512	<=30	Pass
NVNT	ac40	5755	Ant1	-3.282	0.64	-2.642	<=30	Pass
NVNT	ac40	5755	Ant2	-4.2	0.64	-3.56	<=30	Pass
NVNT	ac40	5755	Sum	-0.706	0.64	-0.065	<=30	Pass
NVNT	ac40	5795	Ant1	-3.852	0.64	-3.212	<=30	Pass
NVNT	ac40	5795	Ant2	-4.194	0.64	-3.554	<=30	Pass
NVNT	ac40	5795	Sum	-1.009	0.64	-0.369	<=30	Pass
NVNT	ac80	5775	Ant1	-6.656	0.66	-5.996	<=30	Pass
NVNT	ac80	5775	Ant2	-7.479	0.66	-6.819	<=30	Pass
NVNT	ac80	5775	Sum	-4.038	0.66	-3.378	<=30	Pass
NVNT	n20	5745	Ant1	-1.094	0.55	-0.544	<=30	Pass
NVNT	n20	5745	Ant2	-1.696	0.55	-1.146	<=30	Pass
NVNT	n20	5745	Sum	1.626	0.55	2.176	<=30	Pass
NVNT	n20	5785	Ant1	-1.302	0.54	-0.762	<=30	Pass
NVNT	n20	5785	Ant2	-1.376	0.54	-0.836	<=30	Pass
NVNT	n20	5785	Sum	1.671	0.54	2.211	<=30	Pass
NVNT	n20	5825	Ant1	-1.133	0.54	-0.593	<=30	Pass
NVNT	n20	5825	Ant2	-1.255	0.54	-0.715	<=30	Pass
NVNT	n20	5825	Sum	1.817	0.54	2.357	<=30	Pass
NVNT	n40	5755	Ant1	-2.489	0.56	-1.929	<=30	Pass
NVNT	n40	5755	Ant2	-4.228	0.56	-3.668	<=30	Pass
NVNT	n40	5755	Sum	-0.262	0.56	0.298	<=30	Pass
NVNT	n40	5795	Ant1	-3.904	15.07	11.166	<=30	Pass
NVNT	n40	5795	Ant2	-4.222	15.07	10.848	<=30	Pass
NVNT	n40	5795	Sum	-1.05	15.07	14.02	<=30	Pass

Test Graphs

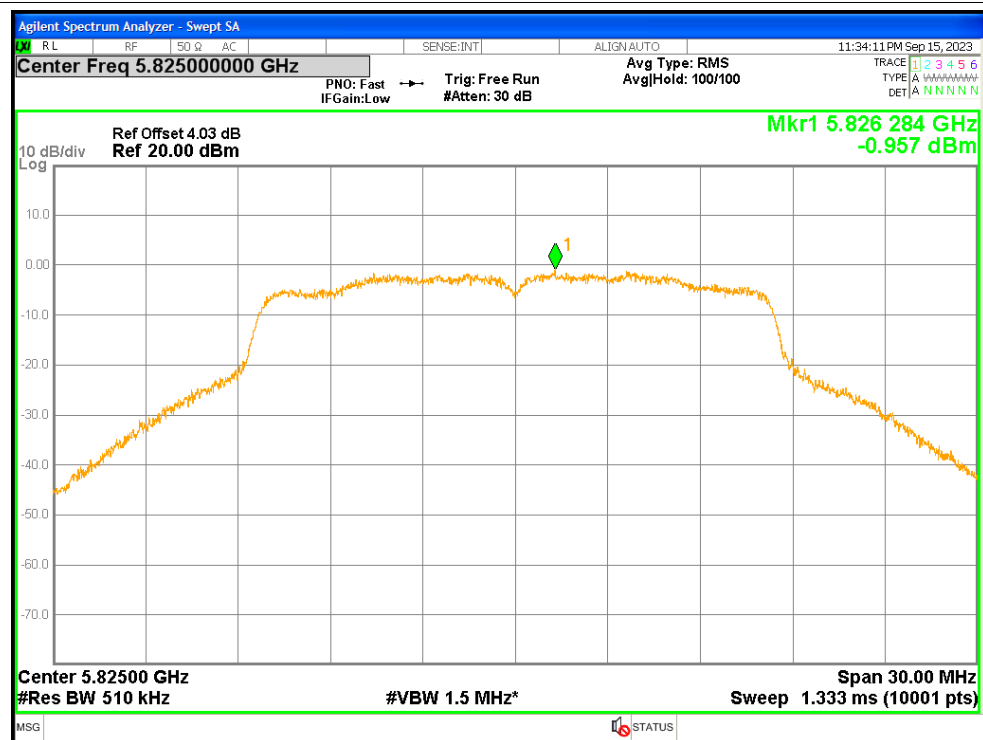
PSD NVNT a 5745MHz Ant1



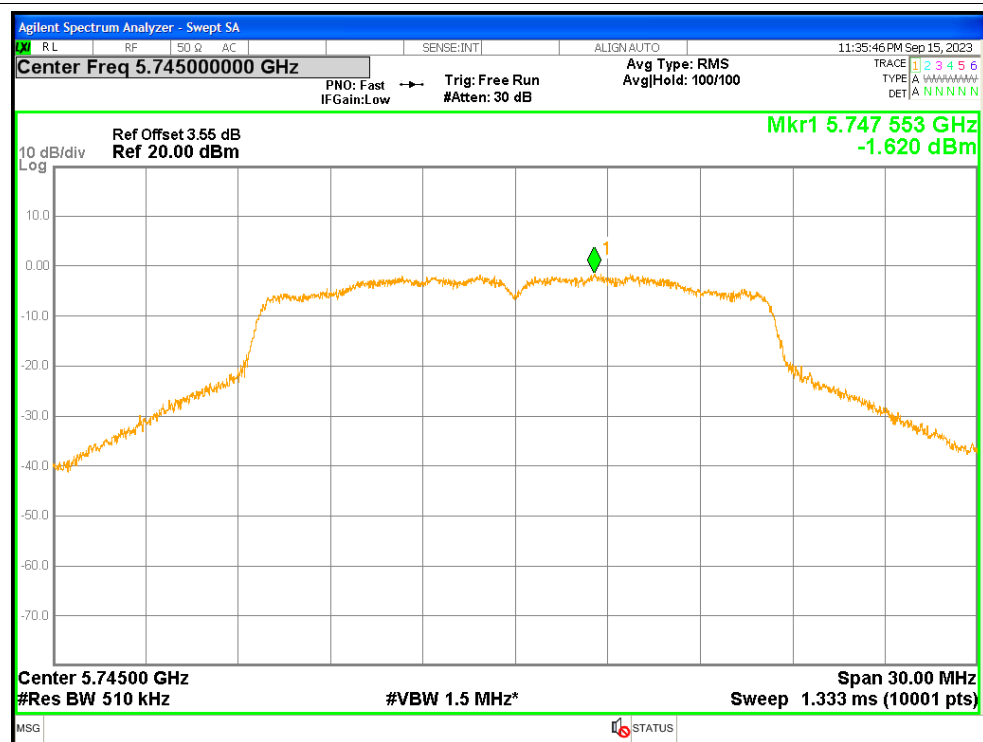
PSD NVNT a 5785MHz Ant1



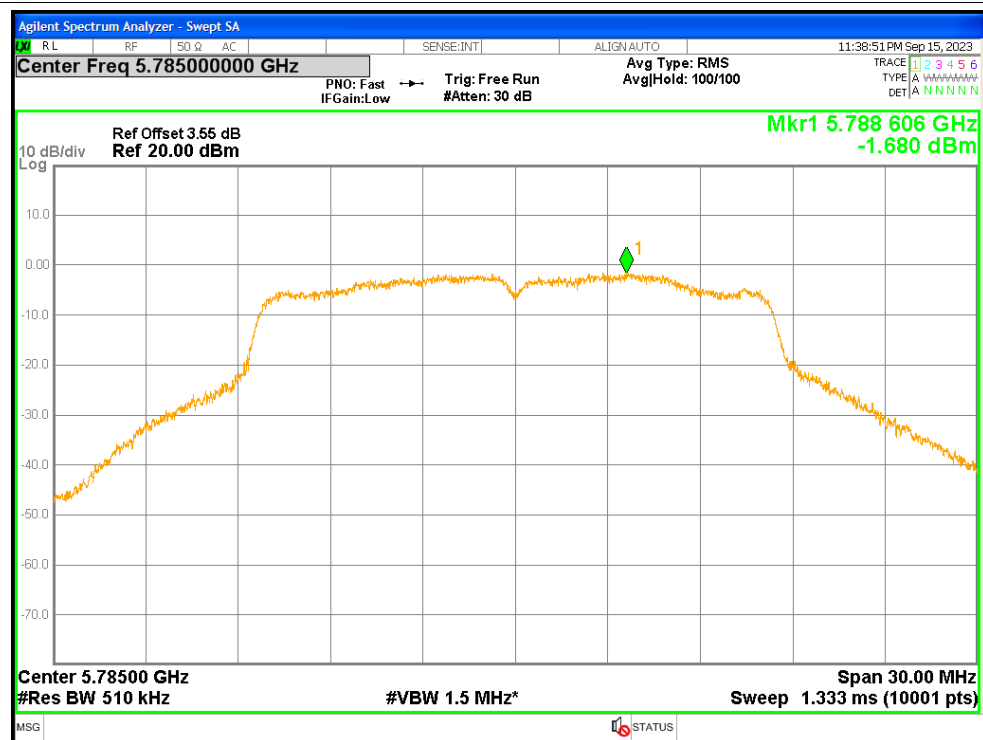
PSD NVNT a 5825MHz Ant1



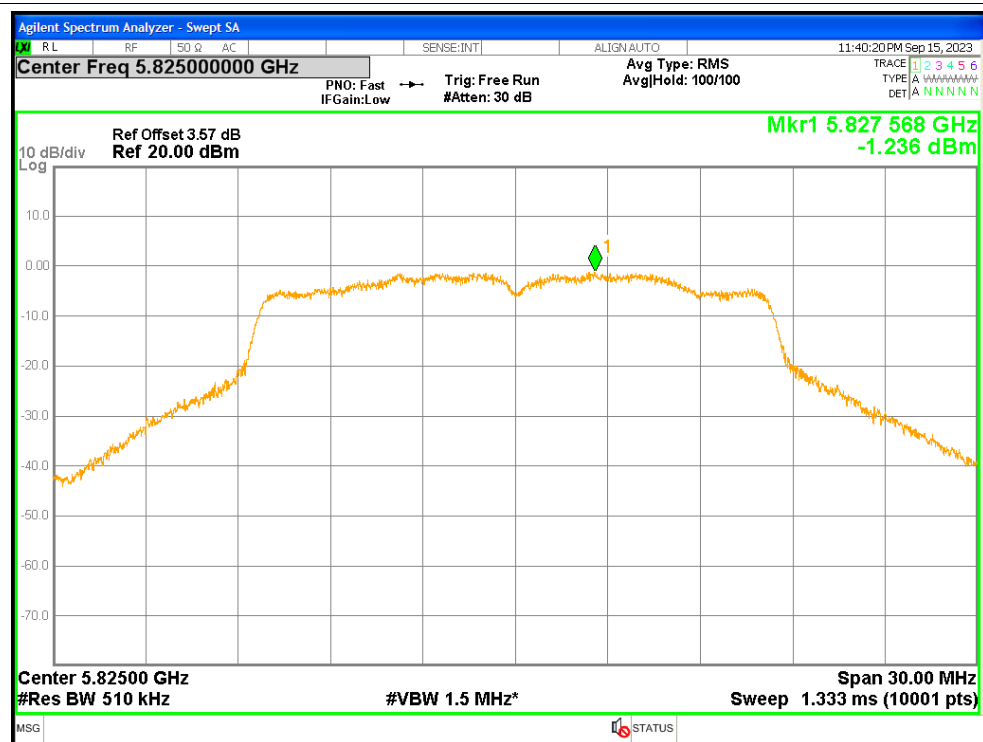
PSD NVNT a 5745MHz Ant2



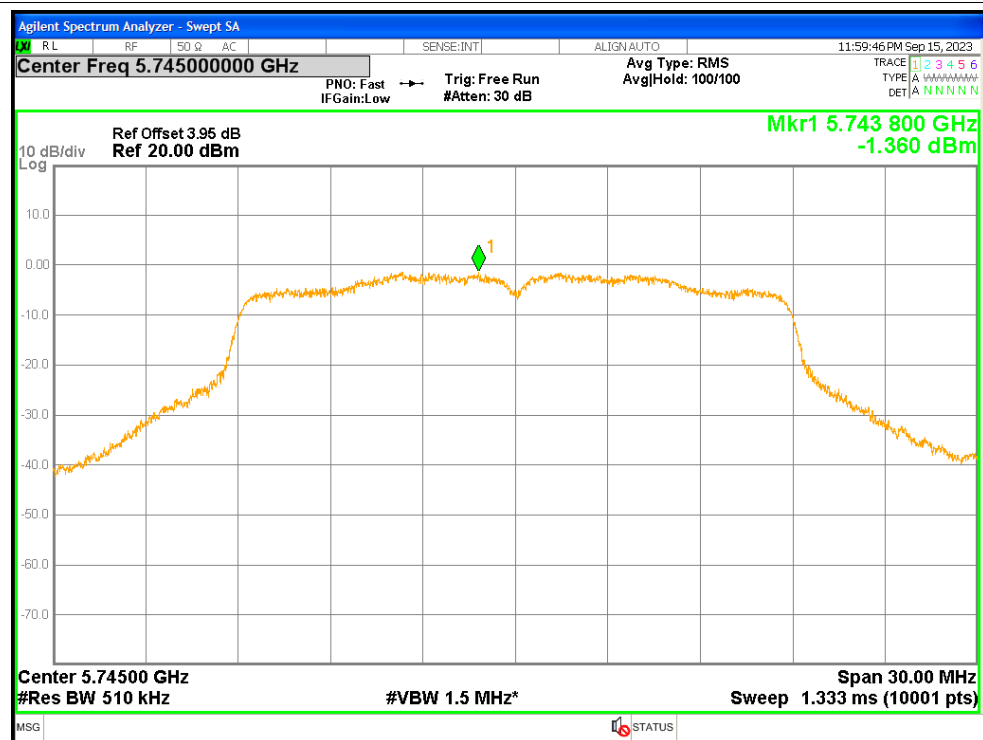
PSD NVNT a 5785MHz Ant2



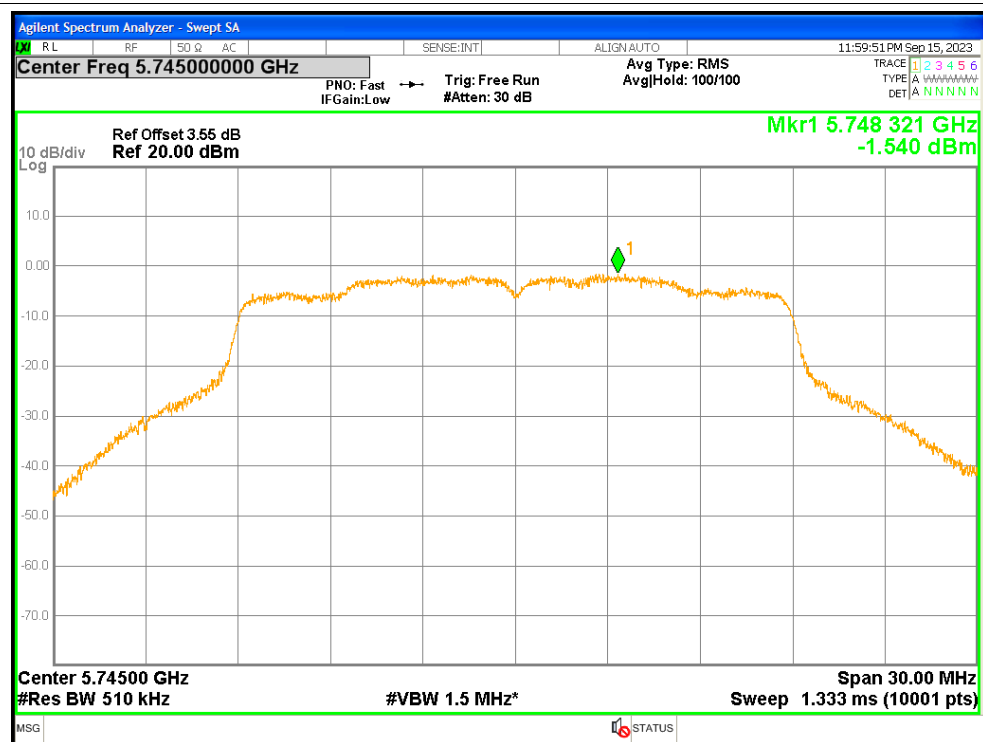
PSD NVNT a 5825MHz Ant2



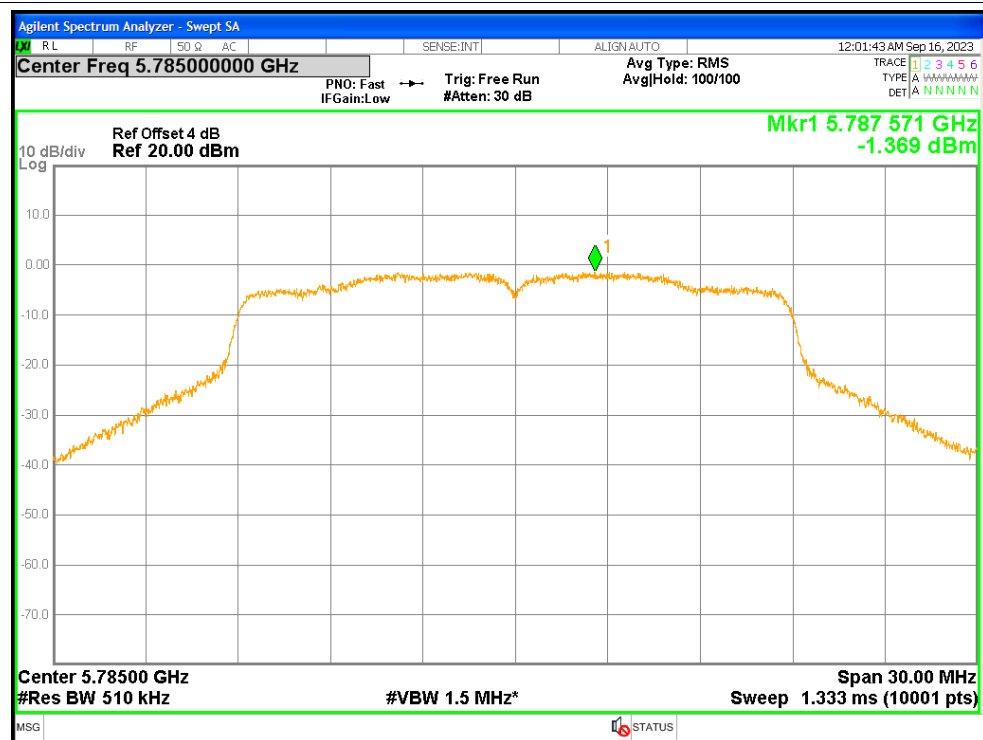
PSD NVNT ac20 5745MHz Ant1



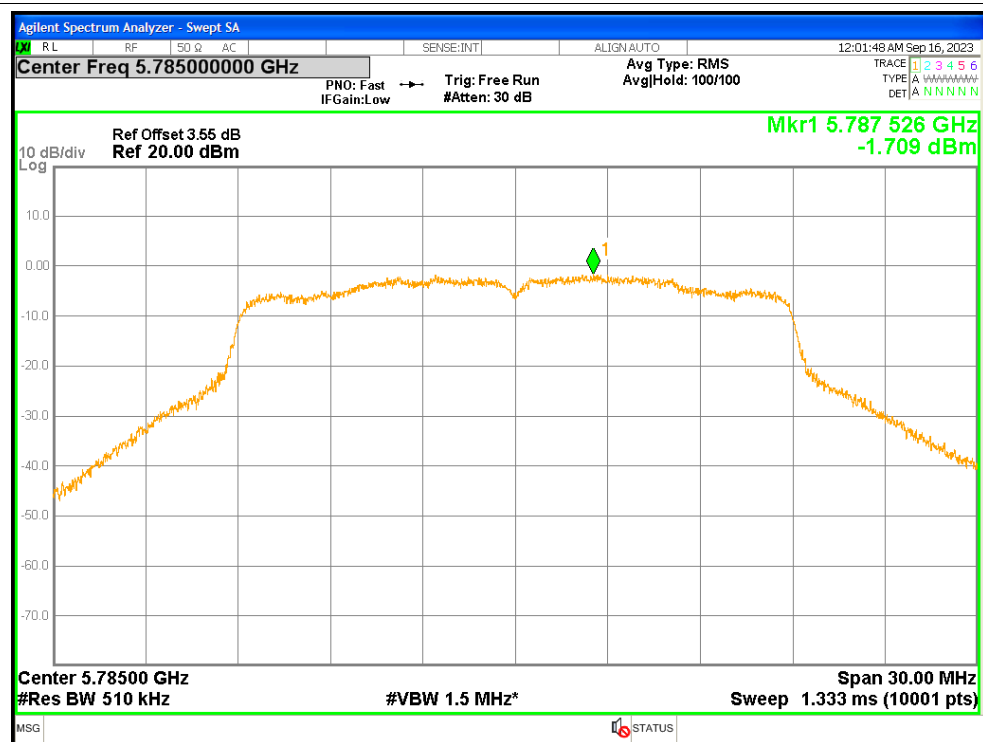
PSD NVNT ac20 5745MHz Ant2



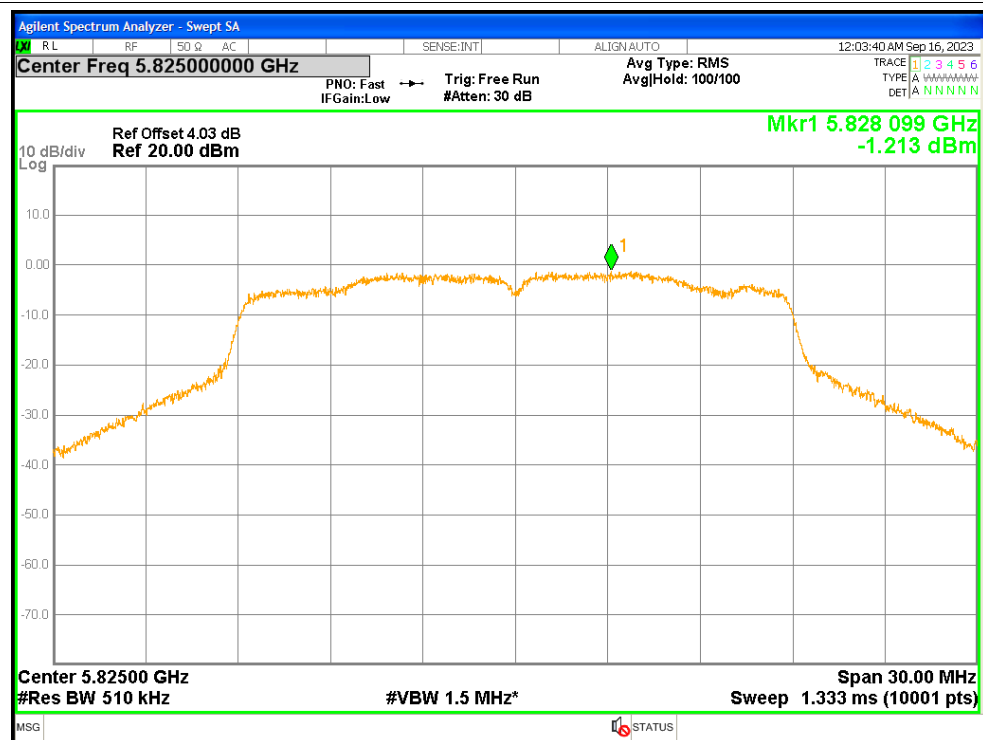
PSD NVNT ac20 5785MHz Ant1



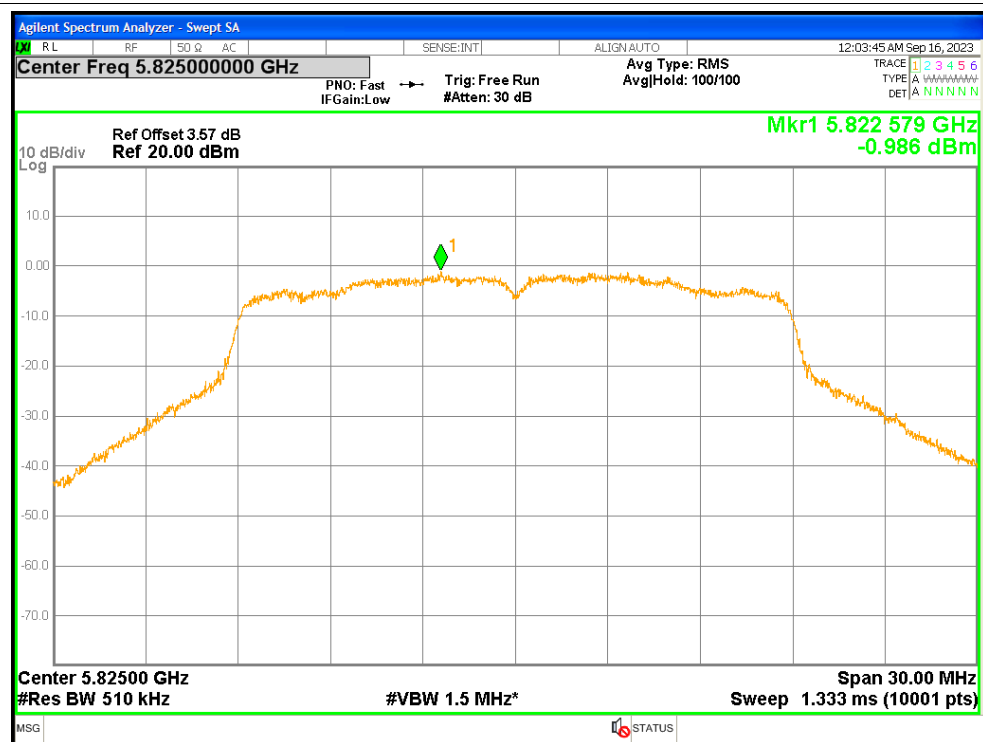
PSD NVNT ac20 5785MHz Ant2



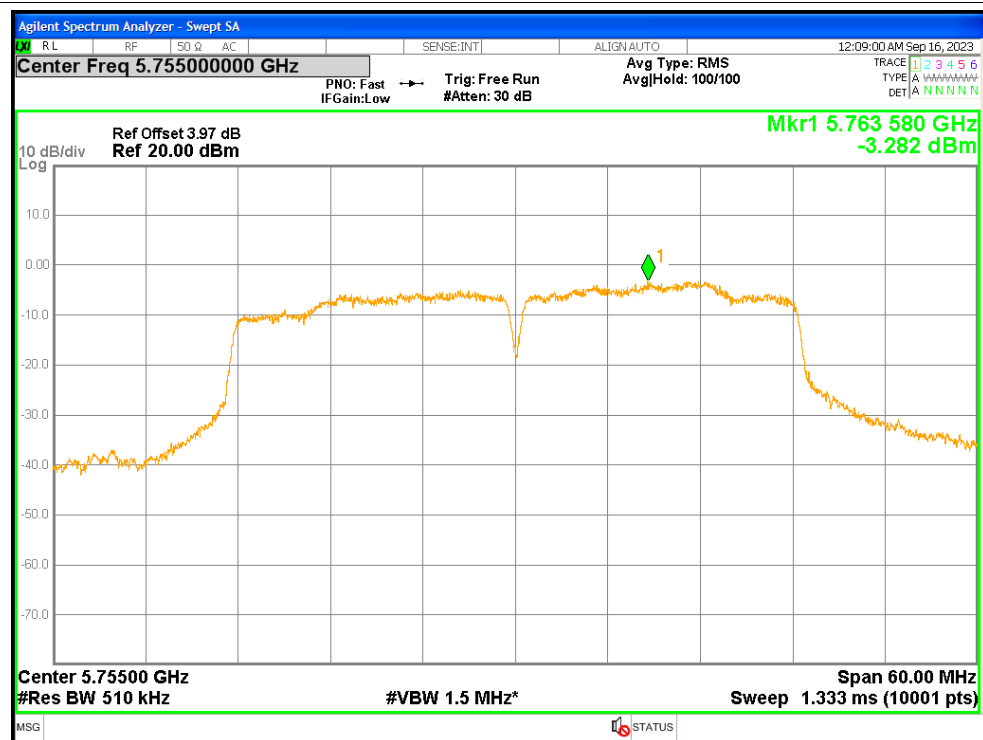
PSD NVNT ac20 5825MHz Ant1



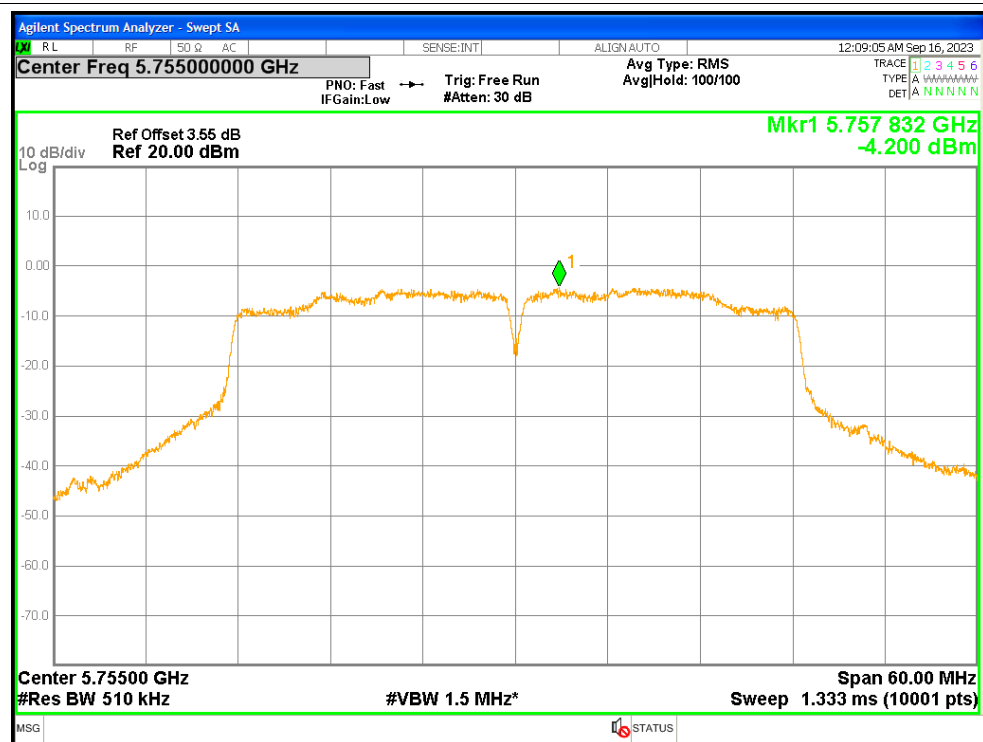
PSD NVNT ac20 5825MHz Ant2



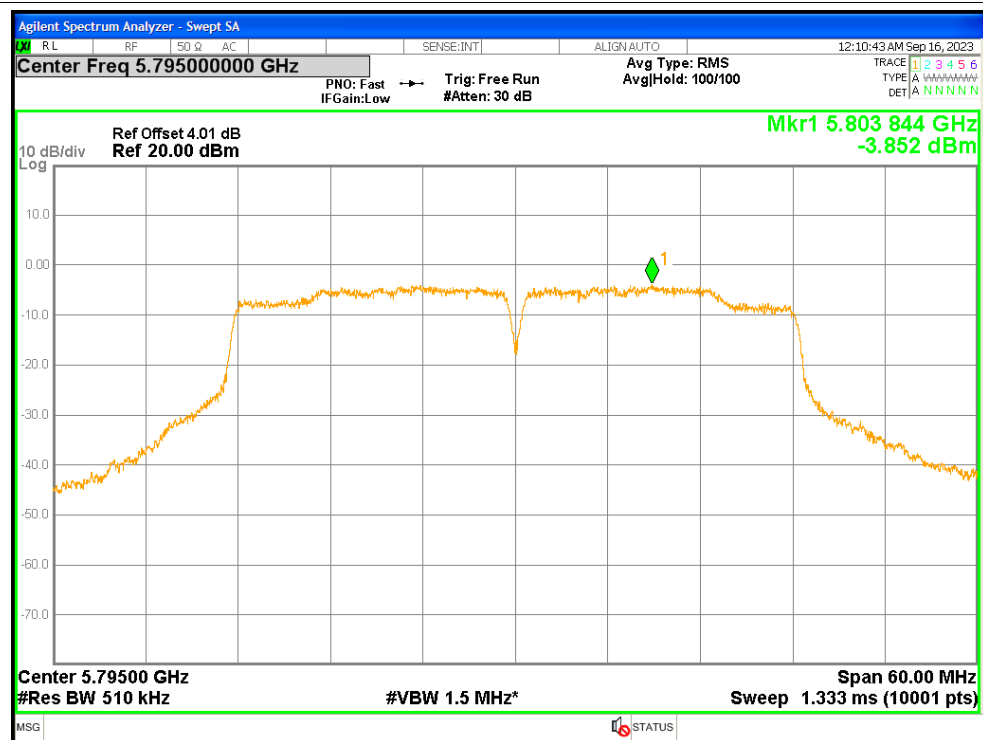
PSD NVNT ac40 5755MHz Ant1



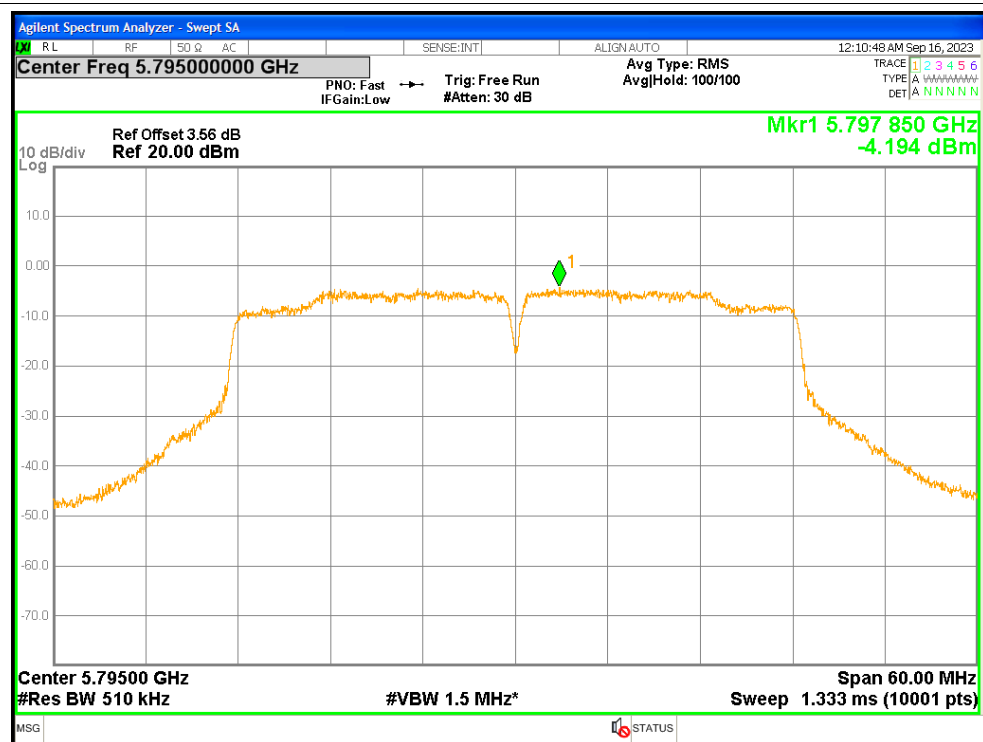
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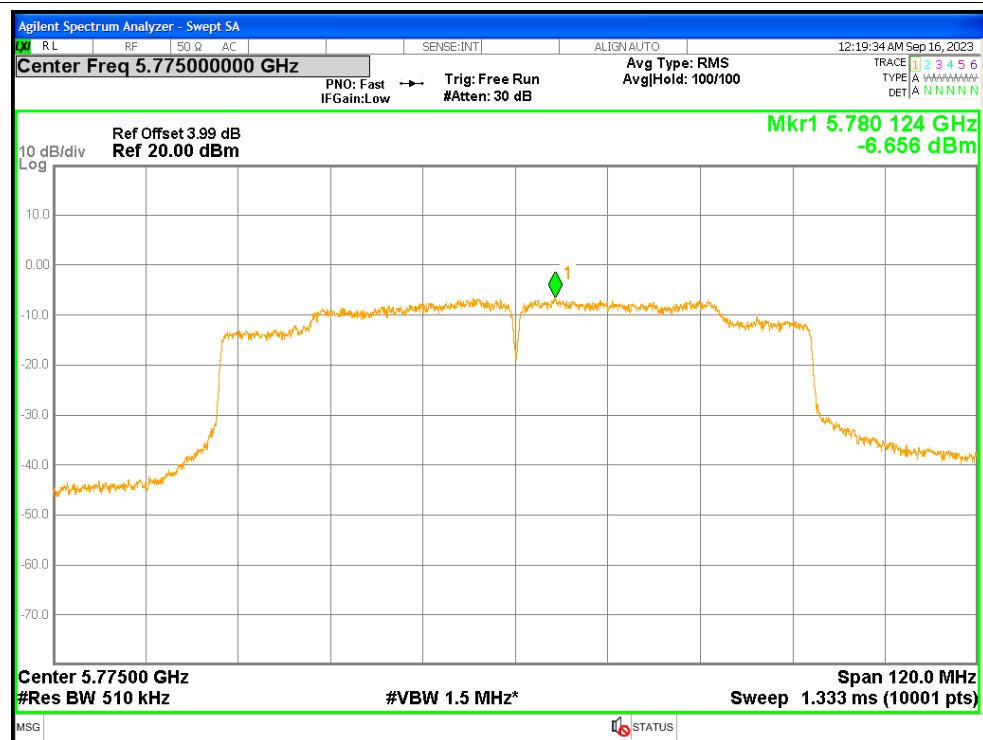
PSD NVNT ac40 5795MHz Ant1



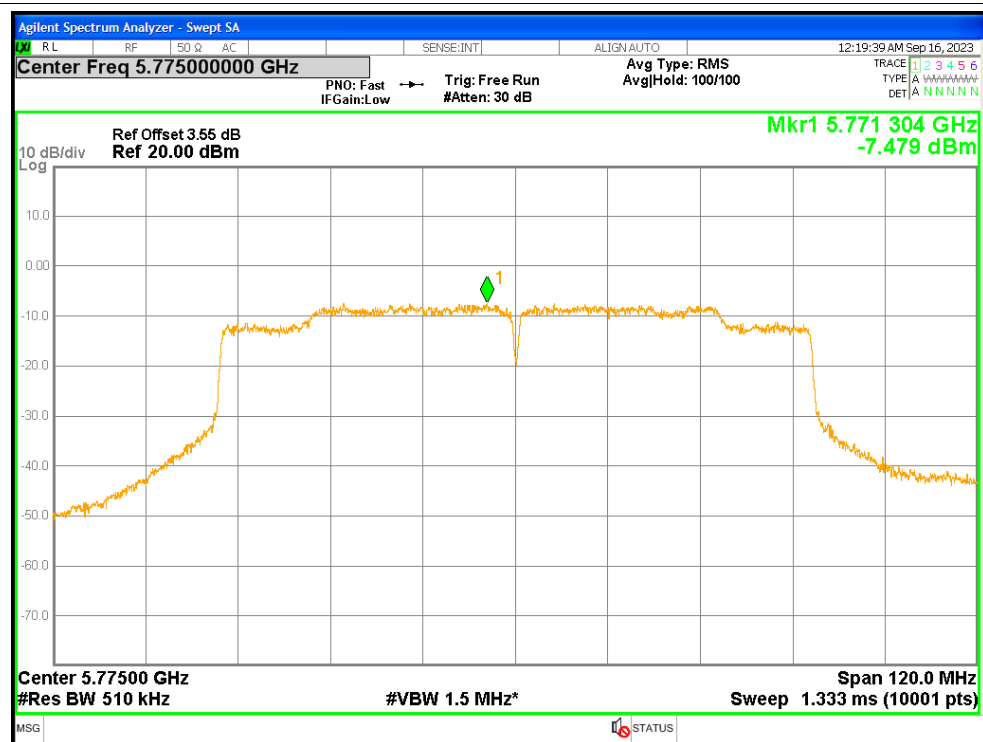
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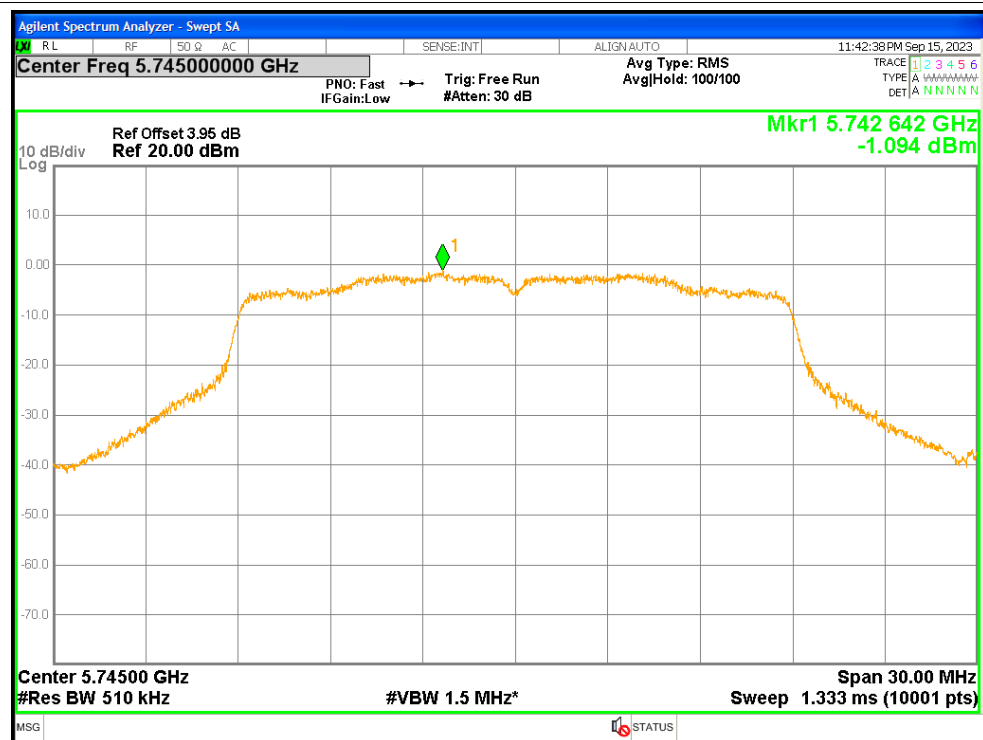
PSD NVNT ac80 5775MHz Ant1



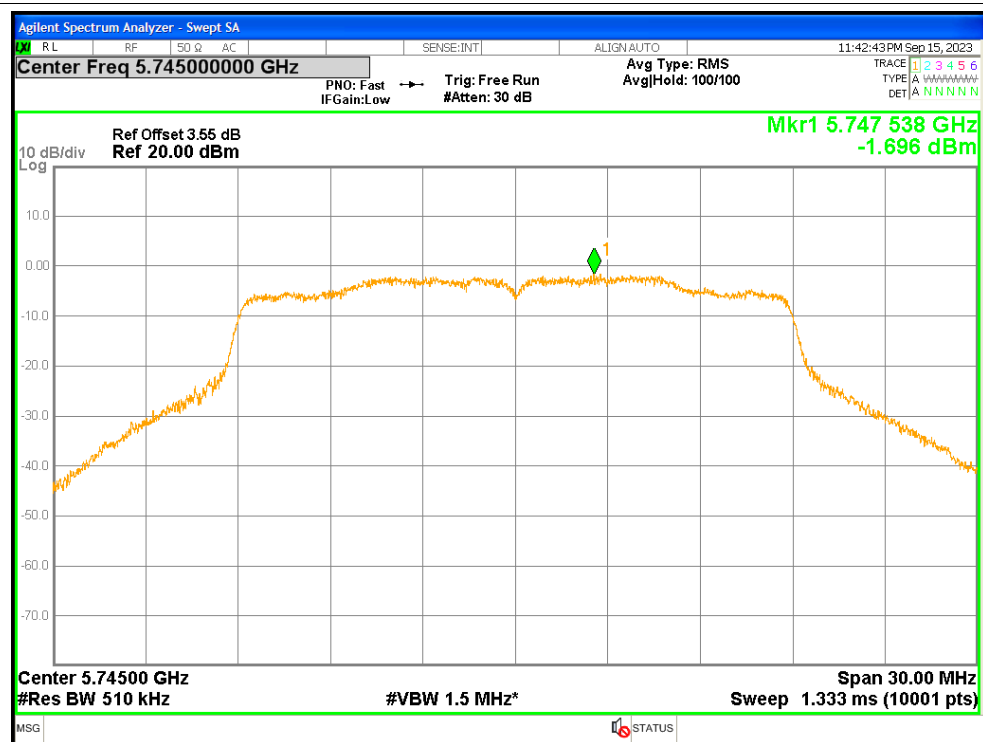
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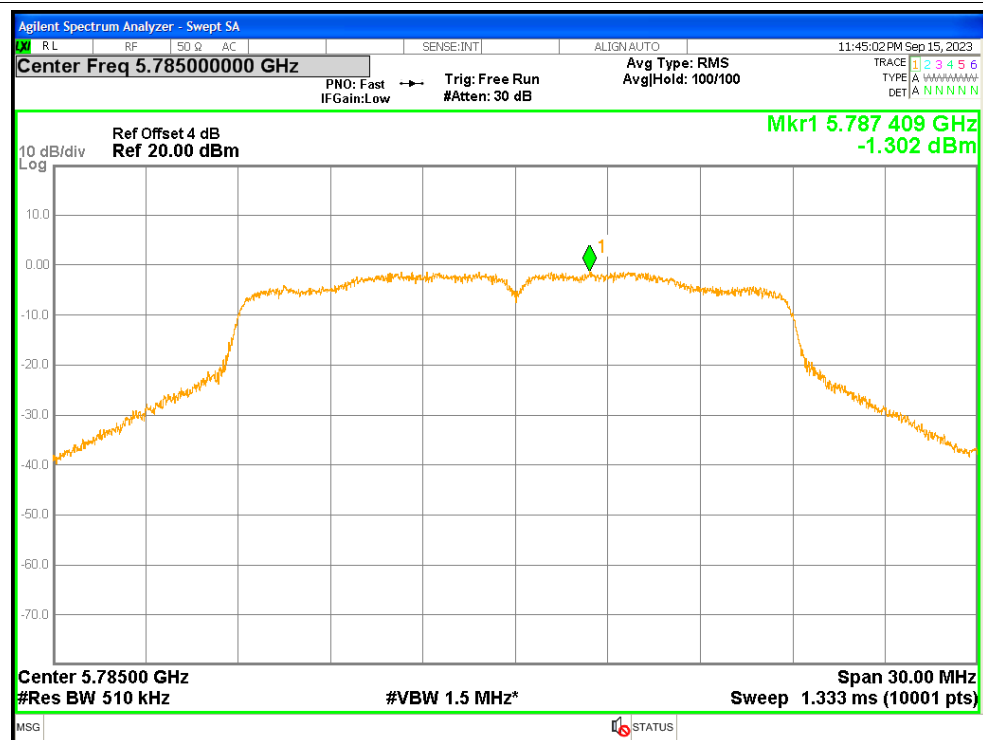
PSD NVNT n20 5745MHz Ant1



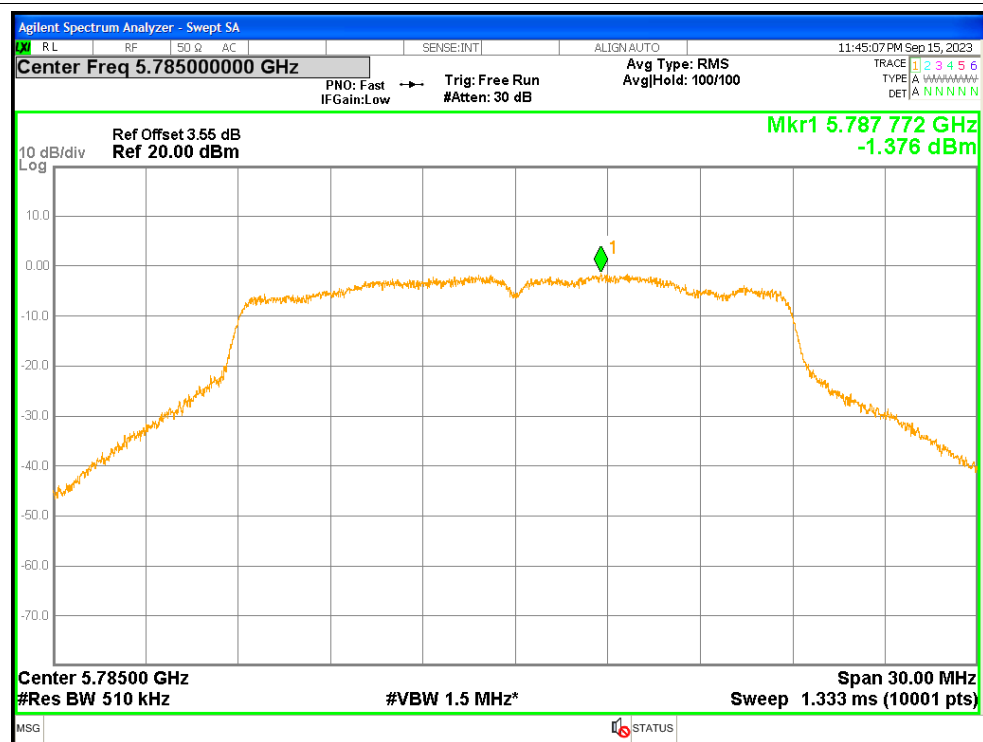
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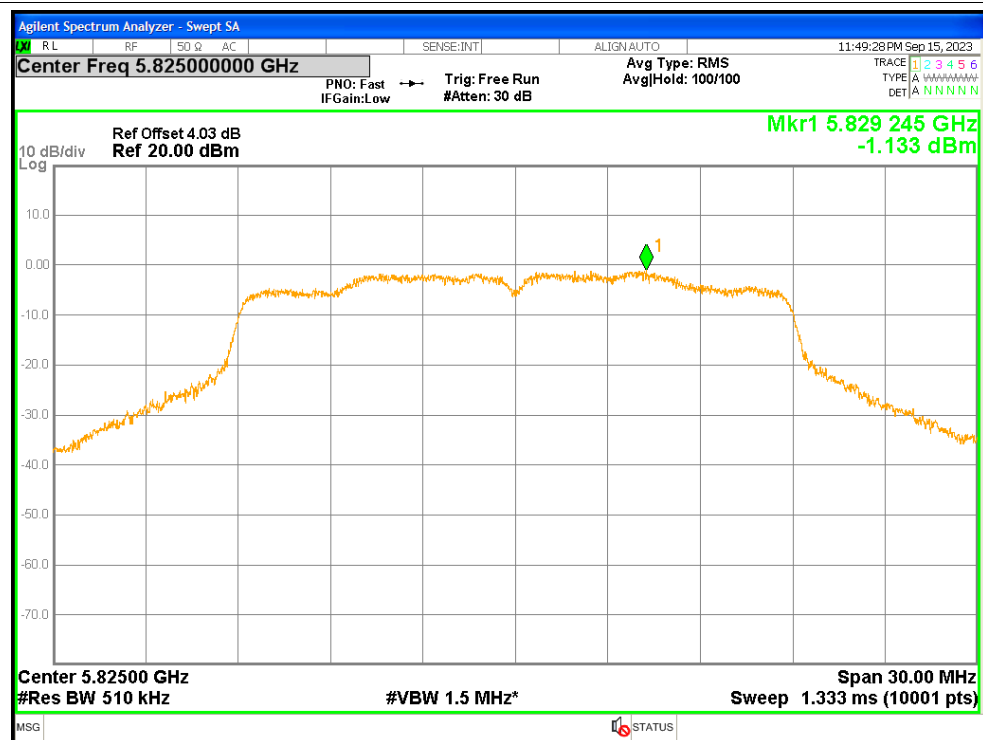
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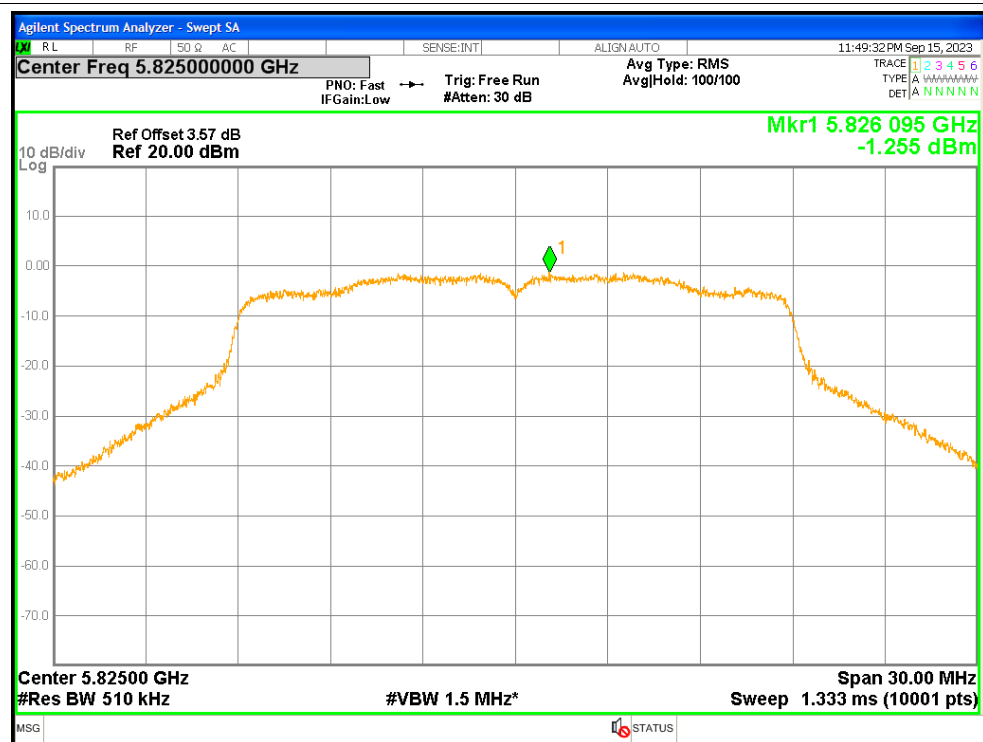
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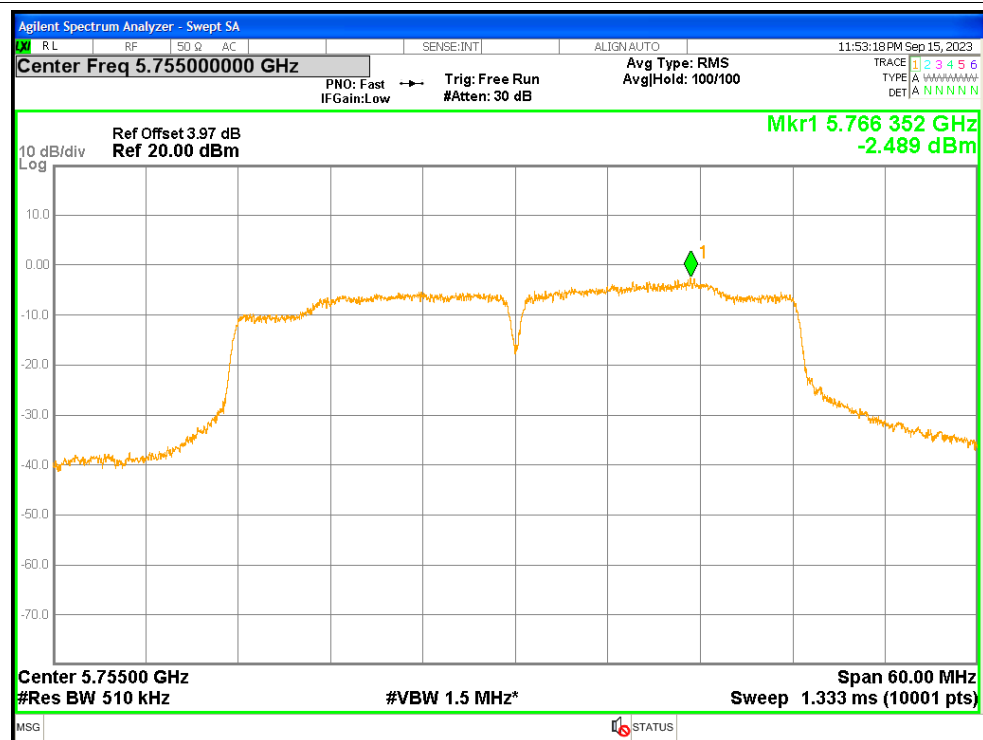
PSD NVNT n20 5825MHz Ant1



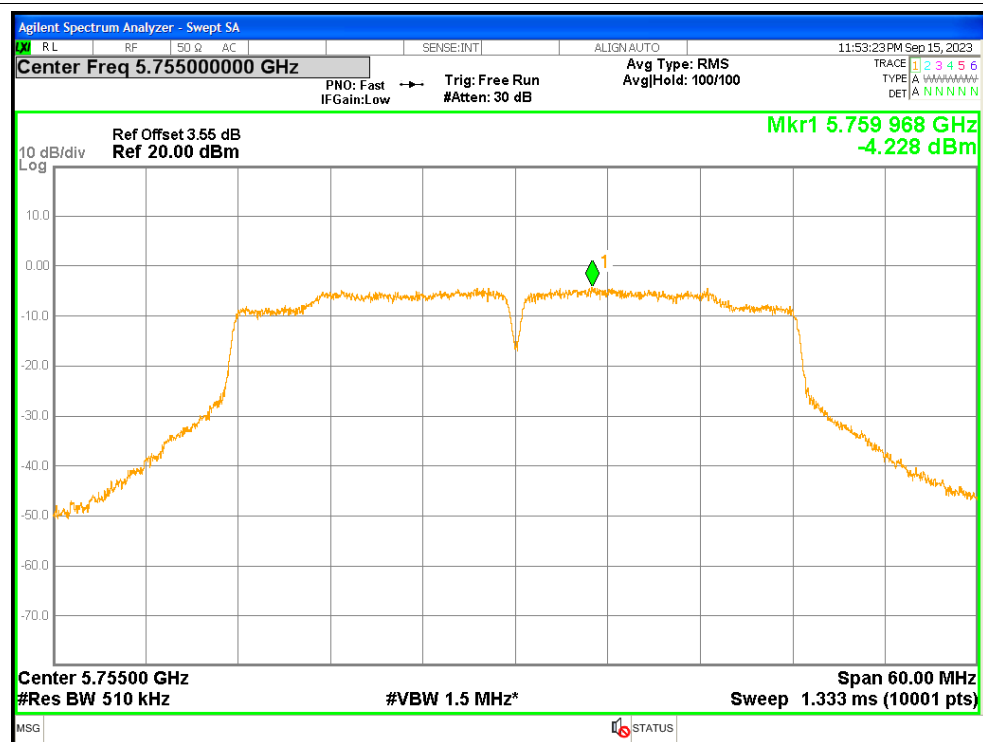
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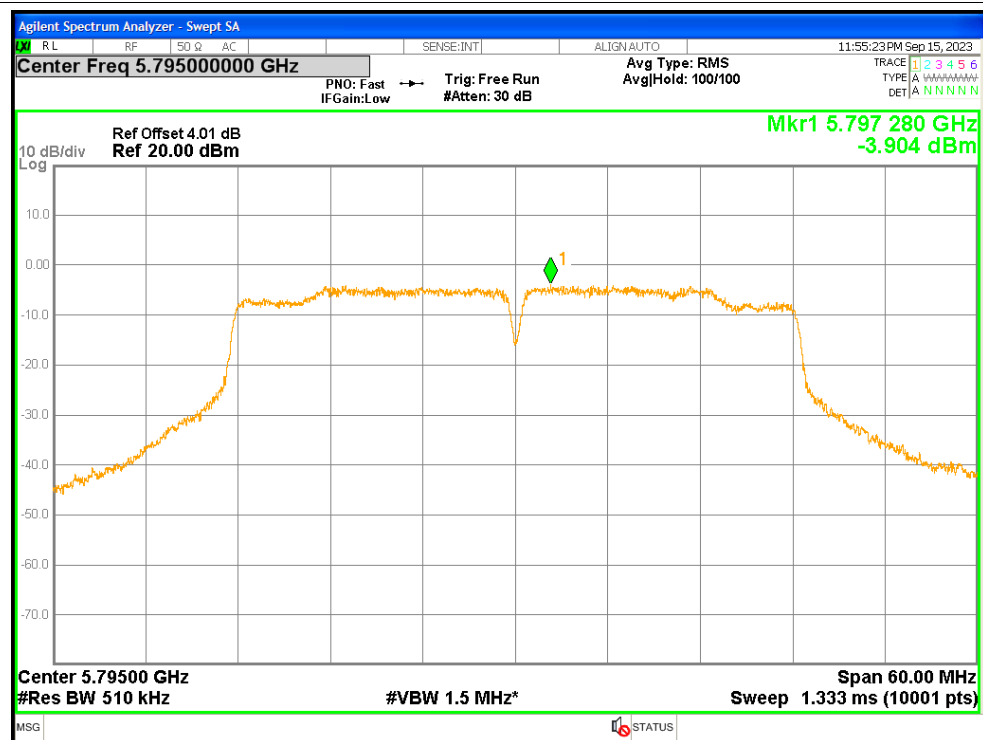
PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5755MHz Ant2



PSD NVNT n40 5795MHz Ant1



PSD NVNT n40 5795MHz Ant2

