

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	96.05	0.18	0.72
NVNT	a	5785	Ant1	96.05	0.18	0.72
NVNT	a	5825	Ant1	96.05	0.18	0.72
NVNT	a	5745	Ant2	96.05	0.18	0.72
NVNT	a	5785	Ant2	96.08	0.17	0.72
NVNT	a	5825	Ant2	96.05	0.18	0.72
NVNT	ac20	5745	Sum	92.19	0.35	1.46
NVNT	ac20	5785	Sum	92.26	0.35	1.46
NVNT	ac20	5825	Sum	92.19	0.35	1.46
NVNT	ac40	5755	Sum	86.6	0.62	2.81
NVNT	ac40	5795	Sum	86.46	0.63	2.82
NVNT	ac80	5775	Sum	35.55	4.49	5.27
NVNT	ax20	5745	Sum	90.49	0.43	1.84
NVNT	ax20	5785	Sum	90.49	0.43	1.84
NVNT	ax20	5825	Sum	90.58	0.43	1.84
NVNT	ax40	5755	Sum	84.58	0.73	3.3
NVNT	ax40	5795	Sum	84.27	0.74	3.31
NVNT	ax80	5775	Sum	31.73	4.99	5.67
NVNT	n20	5745	Sum	95.74	0.19	0.77
NVNT	n20	5785	Sum	95.74	0.19	0.77
NVNT	n20	5825	Sum	95.71	0.19	0.77
NVNT	n40	5755	Sum	92.09	0.36	1.56
NVNT	n40	5795	Sum	91.88	0.37	1.57

Test Graphs

Duty Cycle NVNT a 5745MHz Ant1	
1	0.000000
2	0.000000
3	0.000000
4	0.000000
5	0.000000
6	0.000000
7	0.000000
8	0.000000
9	0.000000
10	0.000000
11	0.000000
12	0.000000
13	0.000000
14	0.000000
15	0.000000
16	0.000000
17	0.000000
18	0.000000
19	0.000000
20	0.000000
21	0.000000
22	0.000000
23	0.000000
24	0.000000
25	0.000000
26	0.000000
27	0.000000
28	0.000000
29	0.000000
30	0.000000
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89	0.000000
90	0.000000
91	0.000000
92	0.000000
93	0.000000
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96	0.000000
97	0.000000
98	0.000000
99	0.000000
100	0.000000



Agilent Spectrum Analyzer - Swept SA

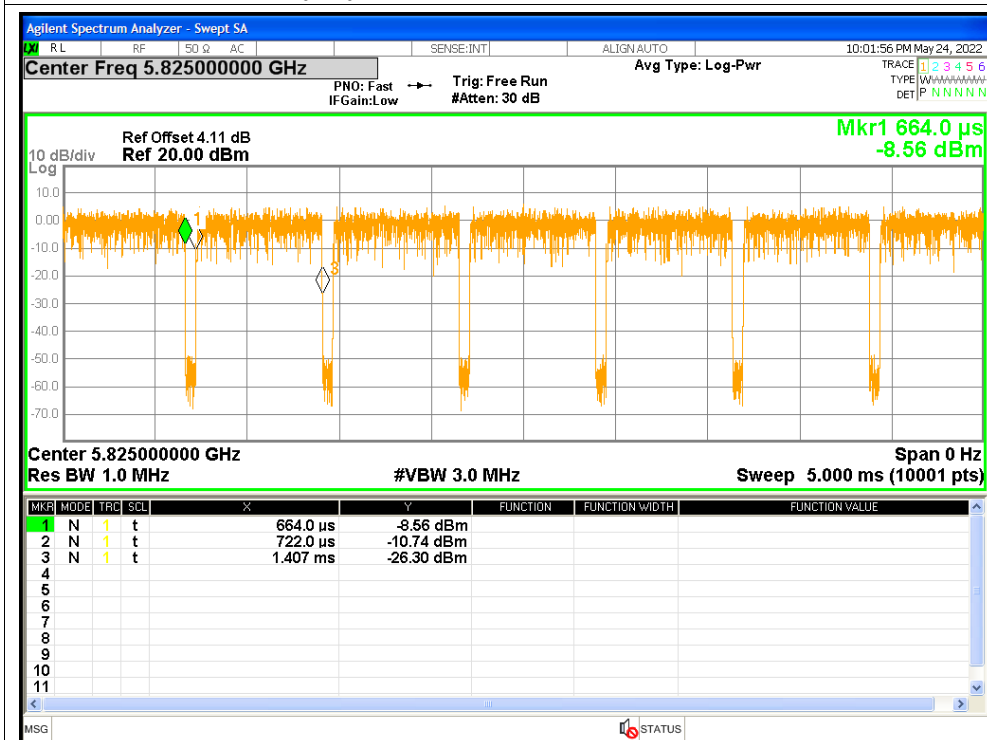


Duty Cycle NVNT a 5825MHz Ant1

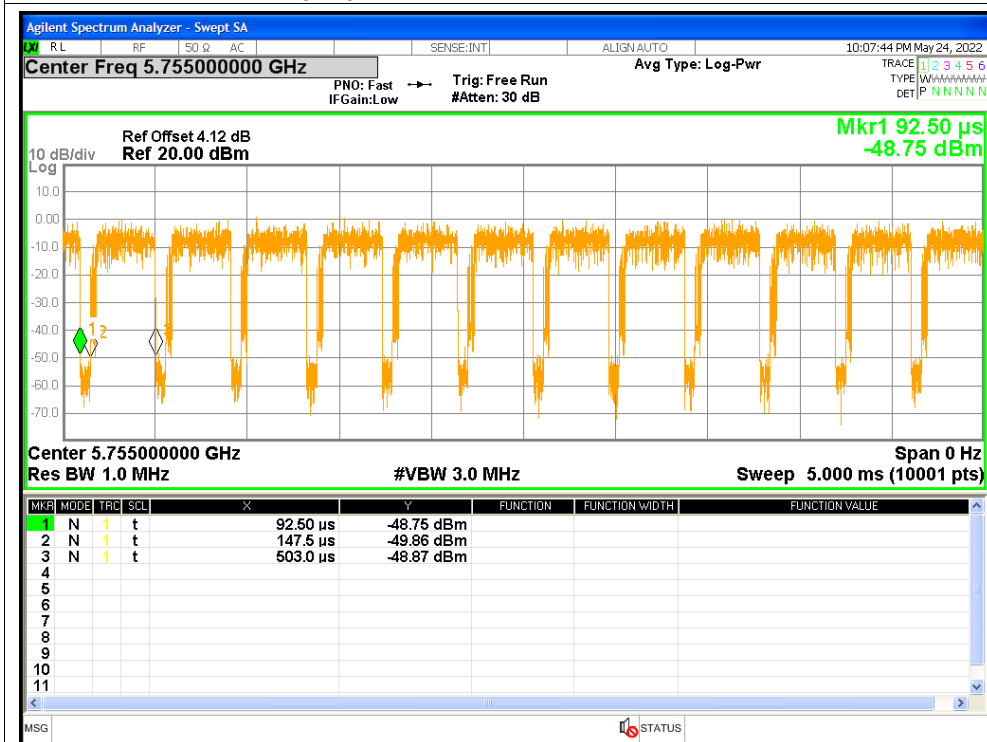
Duty Cycle NVNT a 5785MHz Ant2

Duty Cycle NVNT ac20 5745MHz Sum

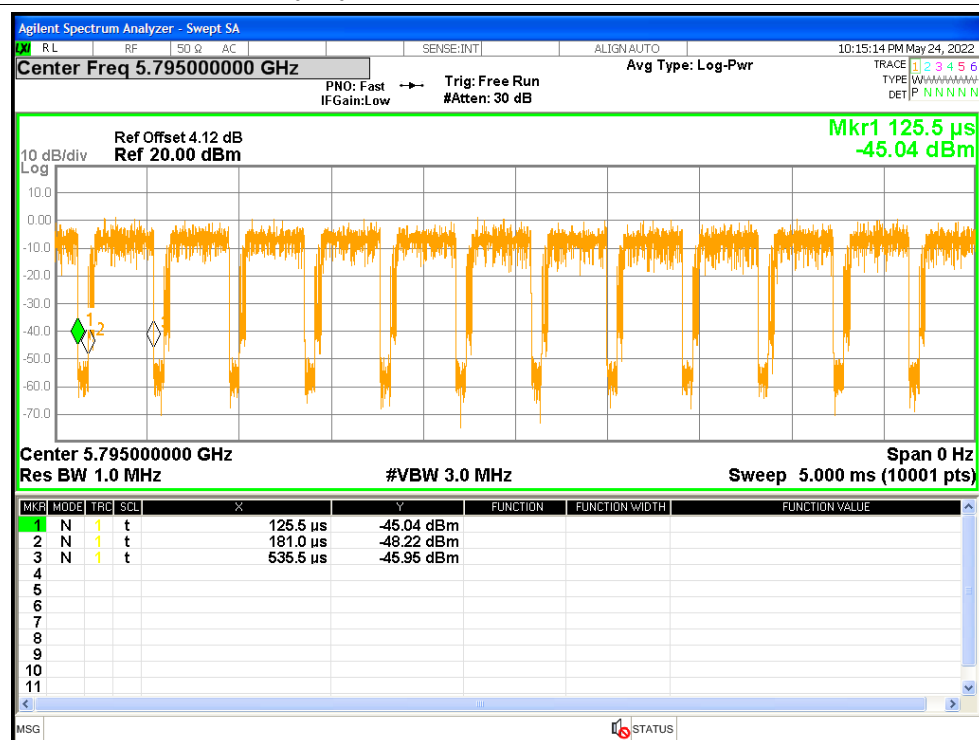
Duty Cycle NVNT ac20 5825MHz Sum



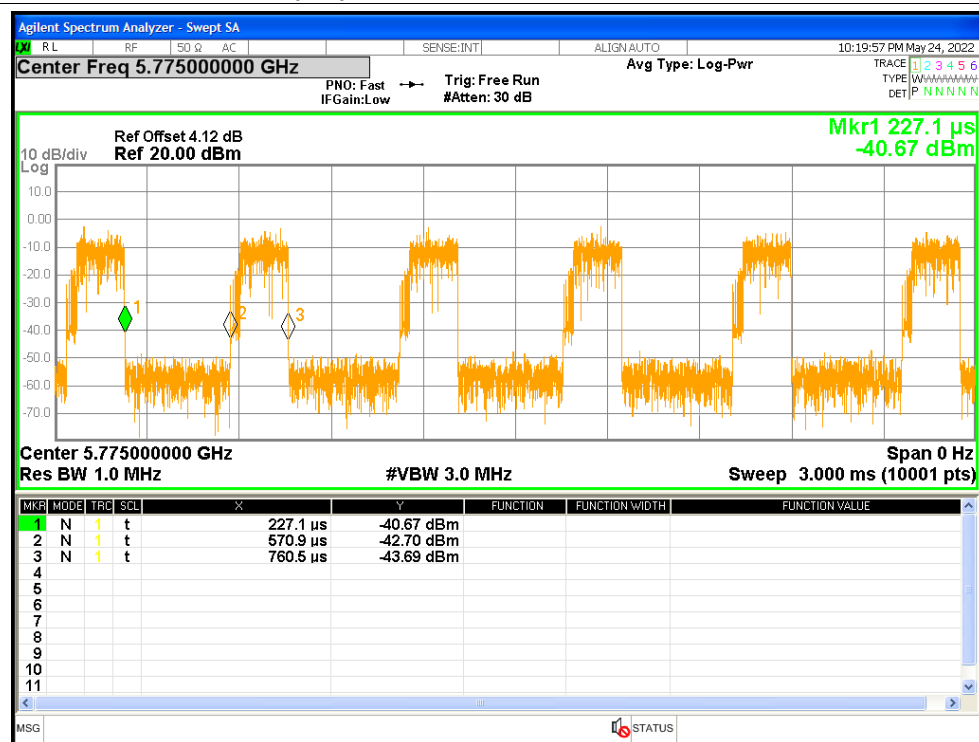
Duty Cycle NVNT ac40 5755MHz Sum



Duty Cycle NVNT ac40 5795MHz Sum

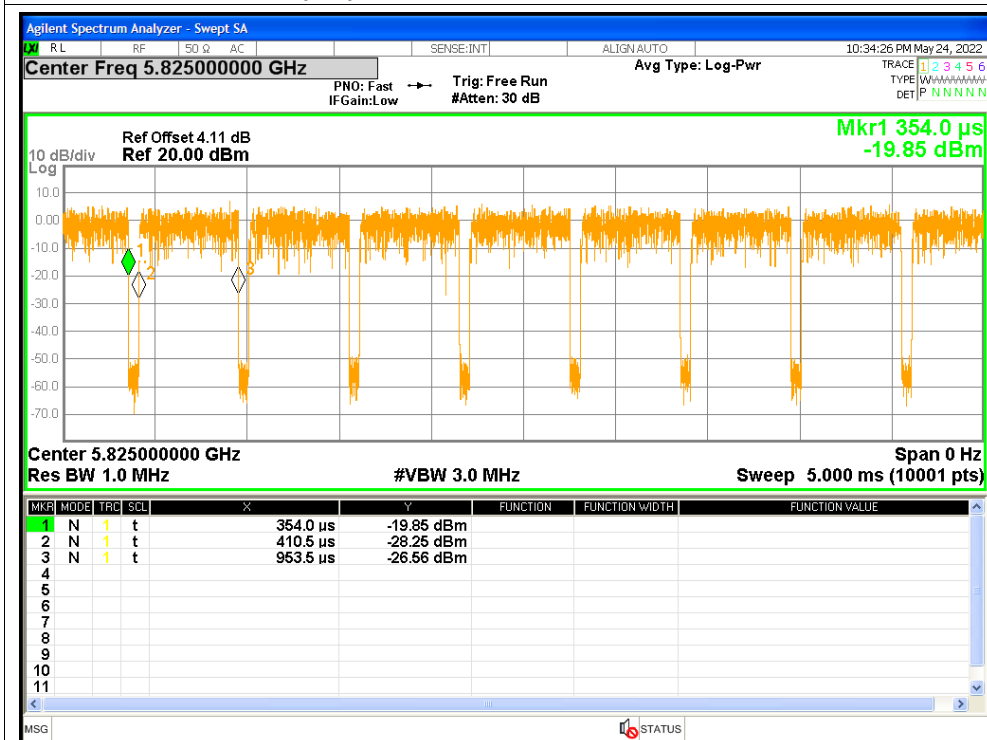


Duty Cycle NVNT ac80 5775MHz Sum

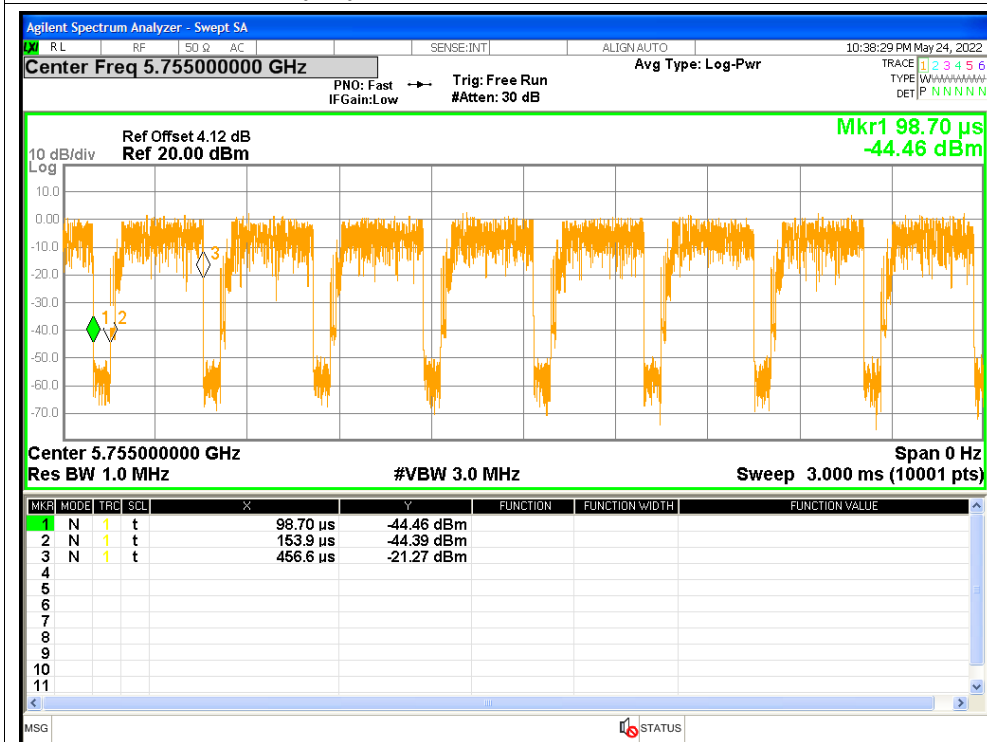


Duty Cycle NVNT ax20 5745MHz Sum

Duty Cycle NVNT ax20 5825MHz Sum



Duty Cycle NVNT ax40 5755MHz Sum

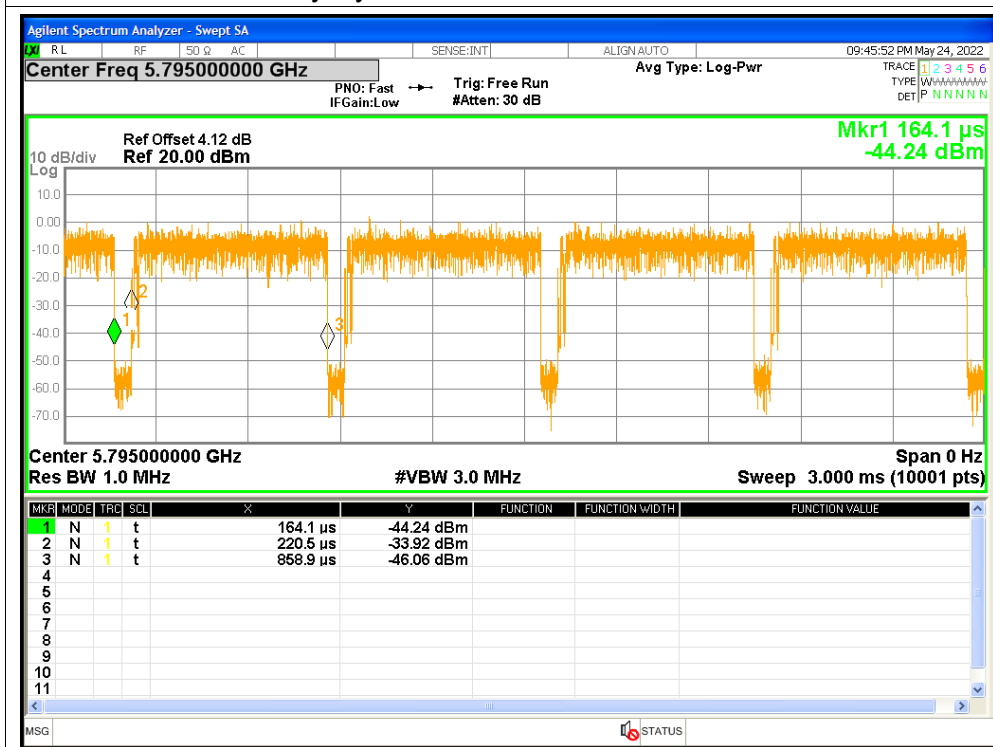


Duty Cycle NVNT ax40 5795MHz Sum

Duty Cycle NVNT n20 5745MHz Sum

Duty Cycle NVNT n20 5825MHz Sum

Duty Cycle NVNT n40 5795MHz Sum



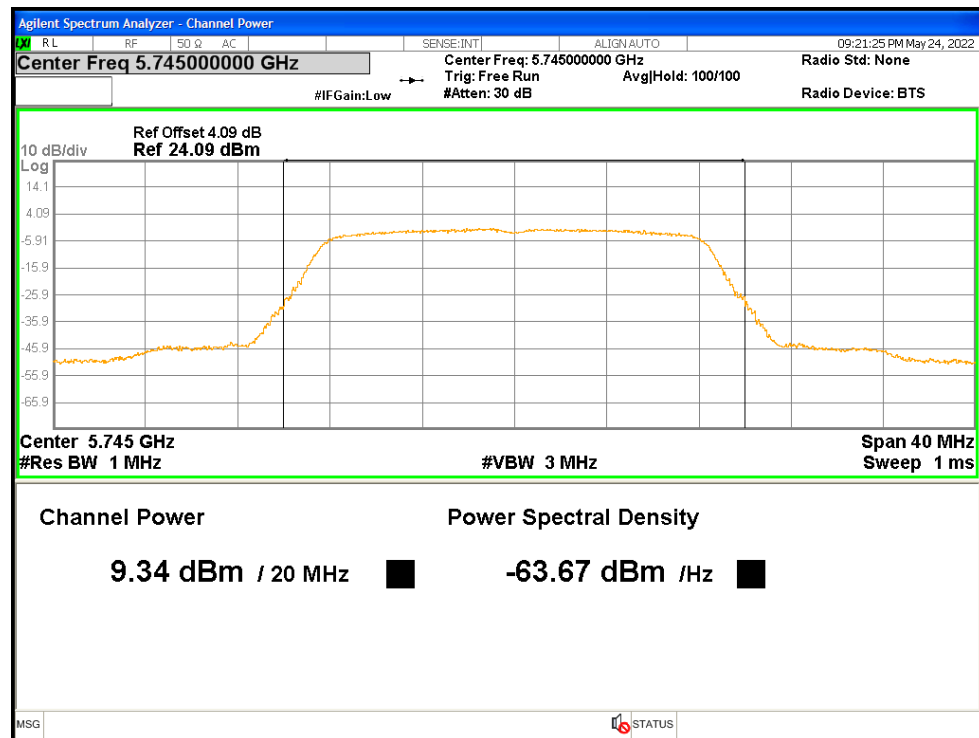
Maximum Average Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	9.34	0.18	9.52	<=30	Pass
NVNT	a	5785	Ant1	9.61	0.18	9.79	<=30	Pass
NVNT	a	5825	Ant1	9.76	0.18	9.94	<=30	Pass
NVNT	a	5745	Ant2	11.24	0.18	11.42	<=30	Pass
NVNT	a	5785	Ant2	11	0.17	11.17	<=30	Pass
NVNT	a	5825	Ant2	10.74	0.18	10.92	<=30	Pass
NVNT	ac20	5745	Ant1	9.21	0.35	9.56	<=30	Pass
NVNT	ac20	5745	Ant2	11.08	0.35	11.43	<=30	Pass
NVNT	ac20	5745	Sum	13.26	0.35	13.61	<=28.99	Pass
NVNT	ac20	5785	Ant1	9.32	0.35	9.67	<=30	Pass
NVNT	ac20	5785	Ant2	10.8	0.35	11.15	<=30	Pass
NVNT	ac20	5785	Sum	13.13	0.35	13.48	<=28.99	Pass
NVNT	ac20	5825	Ant1	9.44	0.35	9.79	<=30	Pass
NVNT	ac20	5825	Ant2	10.59	0.35	10.94	<=30	Pass
NVNT	ac20	5825	Sum	13.06	0.35	13.41	<=28.99	Pass
NVNT	ac40	5755	Ant1	8.71	0.62	9.33	<=30	Pass
NVNT	ac40	5755	Ant2	10.39	0.62	11.01	<=30	Pass
NVNT	ac40	5755	Sum	12.64	0.62	13.26	<=28.99	Pass
NVNT	ac40	5795	Ant1	9	0.63	9.63	<=30	Pass
NVNT	ac40	5795	Ant2	10.26	0.63	10.89	<=30	Pass
NVNT	ac40	5795	Sum	12.69	0.63	13.32	<=28.99	Pass
NVNT	ac80	5775	Ant1	4.87	4.49	9.36	<=30	Pass
NVNT	ac80	5775	Ant2	6.59	4.49	11.08	<=30	Pass
NVNT	ac80	5775	Sum	8.82	4.49	13.31	<=28.99	Pass
NVNT	ax20	5745	Ant1	9.24	0.43	9.67	<=30	Pass
NVNT	ax20	5745	Ant2	11.21	0.43	11.64	<=30	Pass
NVNT	ax20	5745	Sum	13.35	0.43	13.78	<=28.99	Pass
NVNT	ax20	5785	Ant1	9.55	0.43	9.98	<=30	Pass
NVNT	ax20	5785	Ant2	10.99	0.43	11.42	<=30	Pass
NVNT	ax20	5785	Sum	13.34	0.43	13.77	<=28.99	Pass
NVNT	ax20	5825	Ant1	9.58	0.43	10.01	<=30	Pass
NVNT	ax20	5825	Ant2	10.7	0.43	11.13	<=30	Pass
NVNT	ax20	5825	Sum	13.19	0.43	13.62	<=28.99	Pass
NVNT	ax40	5755	Ant1	8.77	0.73	9.50	<=30	Pass
NVNT	ax40	5755	Ant2	10.5	0.73	11.23	<=30	Pass
NVNT	ax40	5755	Sum	12.73	0.73	13.46	<=28.99	Pass
NVNT	ax40	5795	Ant1	9.06	0.74	9.80	<=30	Pass
NVNT	ax40	5795	Ant2	10.27	0.74	11.01	<=30	Pass
NVNT	ax40	5795	Sum	12.72	0.74	13.46	<=28.99	Pass

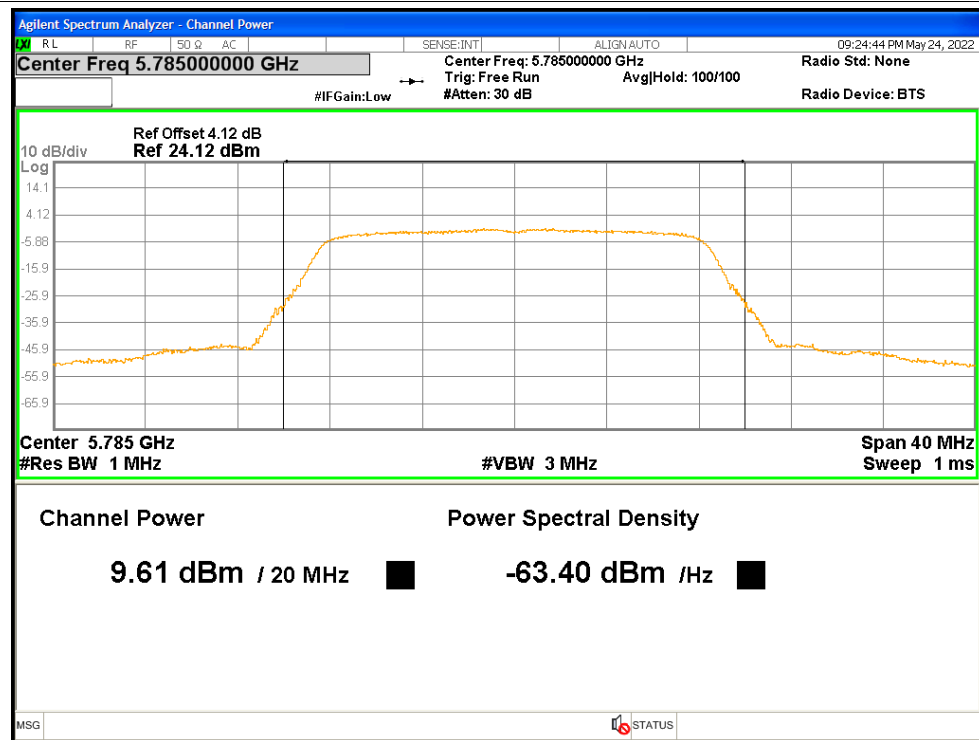
NVNT	ax80	5775	Ant1	4.83	4.99	9.82	<=30	Pass
NVNT	ax80	5775	Ant2	6.55	4.99	11.54	<=30	Pass
NVNT	ax80	5775	Sum	8.78	4.99	13.77	<=28.99	Pass
NVNT	n20	5745	Ant1	9.24	0.19	9.43	<=30	Pass
NVNT	n20	5745	Ant2	11.12	0.19	11.31	<=30	Pass
NVNT	n20	5745	Sum	13.29	0.19	13.48	<=28.99	Pass
NVNT	n20	5785	Ant1	9.49	0.19	9.68	<=30	Pass
NVNT	n20	5785	Ant2	10.9	0.19	11.09	<=30	Pass
NVNT	n20	5785	Sum	13.26	0.19	13.45	<=28.99	Pass
NVNT	n20	5825	Ant1	9.59	0.19	9.78	<=30	Pass
NVNT	n20	5825	Ant2	10.57	0.19	10.76	<=30	Pass
NVNT	n20	5825	Sum	13.12	0.19	13.31	<=28.99	Pass
NVNT	n40	5755	Ant1	8.98	0.36	9.34	<=30	Pass
NVNT	n40	5755	Ant2	10.66	0.36	11.02	<=30	Pass
NVNT	n40	5755	Sum	12.91	0.36	13.27	<=28.99	Pass
NVNT	n40	5795	Ant1	9.23	0.37	9.60	<=30	Pass
NVNT	n40	5795	Ant2	10.66	0.37	11.03	<=30	Pass
NVNT	n40	5795	Sum	13.01	0.37	13.38	<=28.99	Pass

Test Graphs

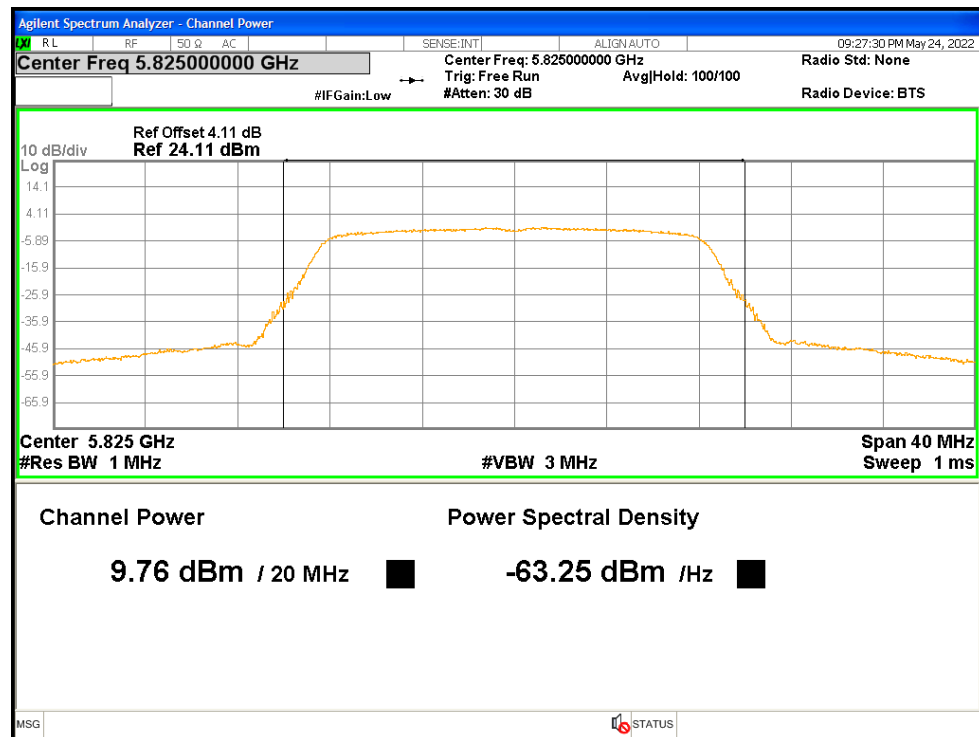
Average Power NVNT a 5745MHz Ant1



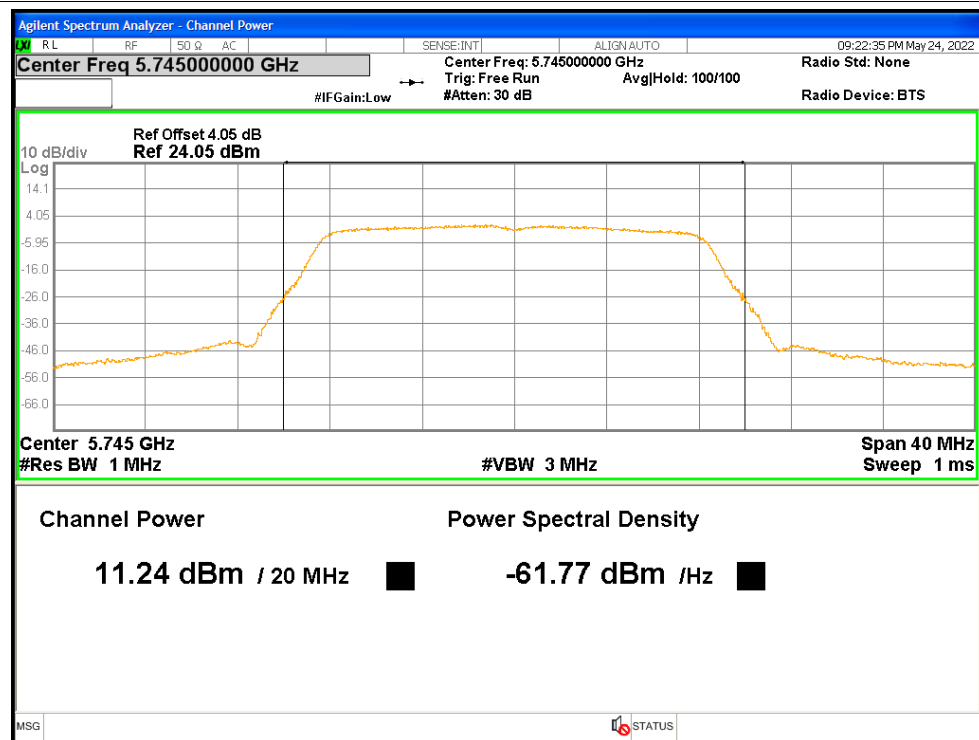
Average Power NVNT a 5785MHz Ant1



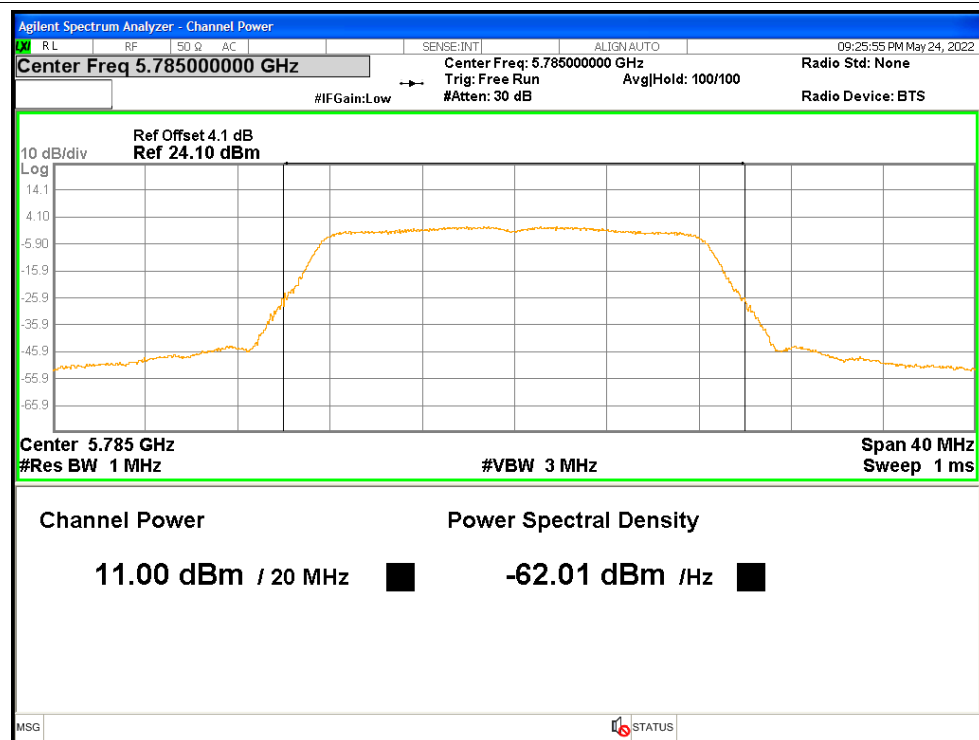
Average Power NVNT a 5825MHz Ant1



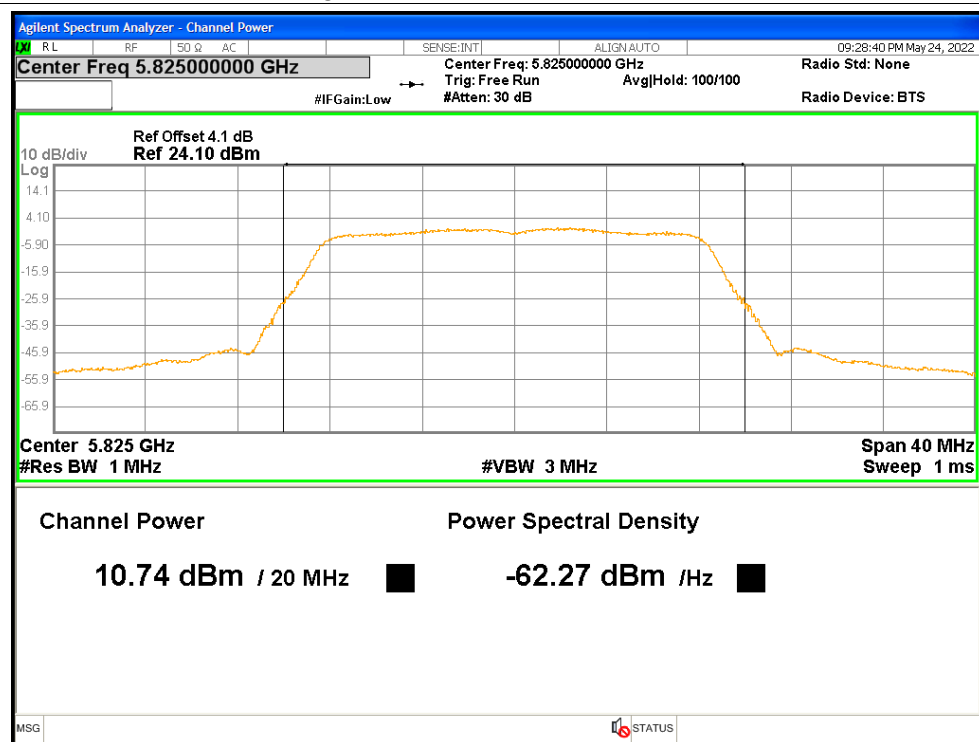
Average Power NVNT a 5745MHz Ant2



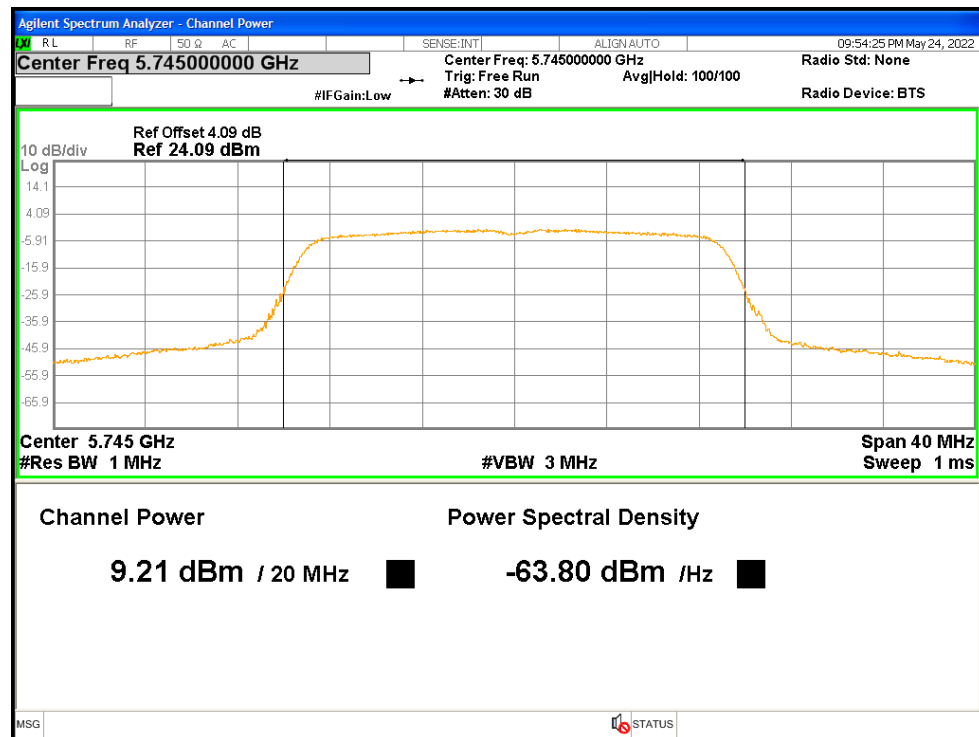
Average Power NVNT a 5785MHz Ant2



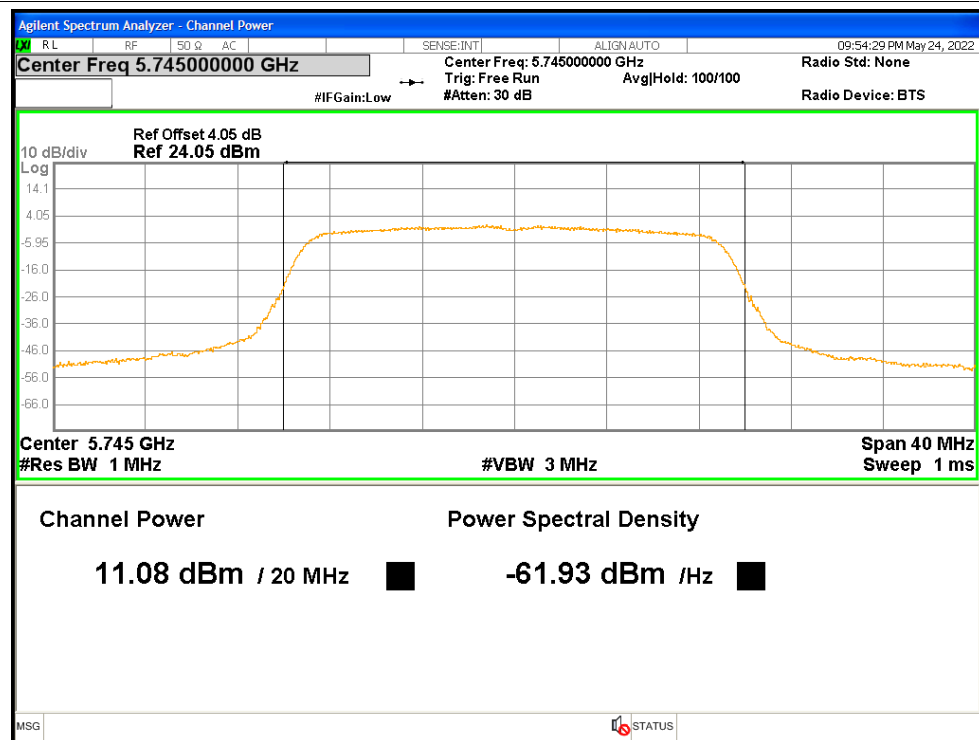
Average Power NVNT a 5825MHz Ant2



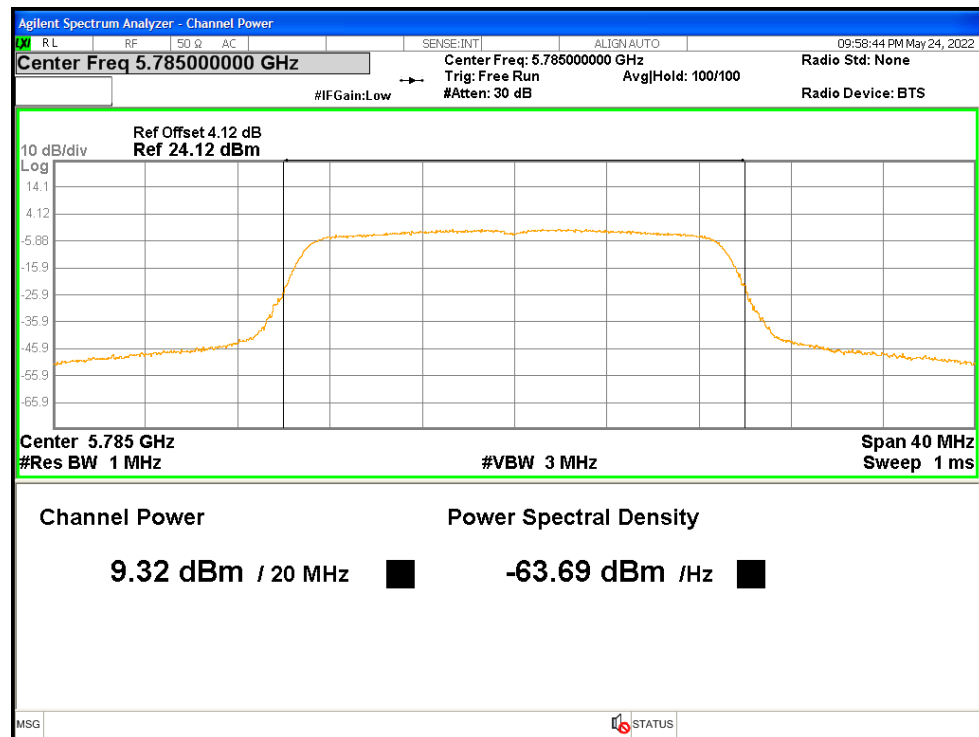
Average Power NVNT ac20 5745MHz Ant1



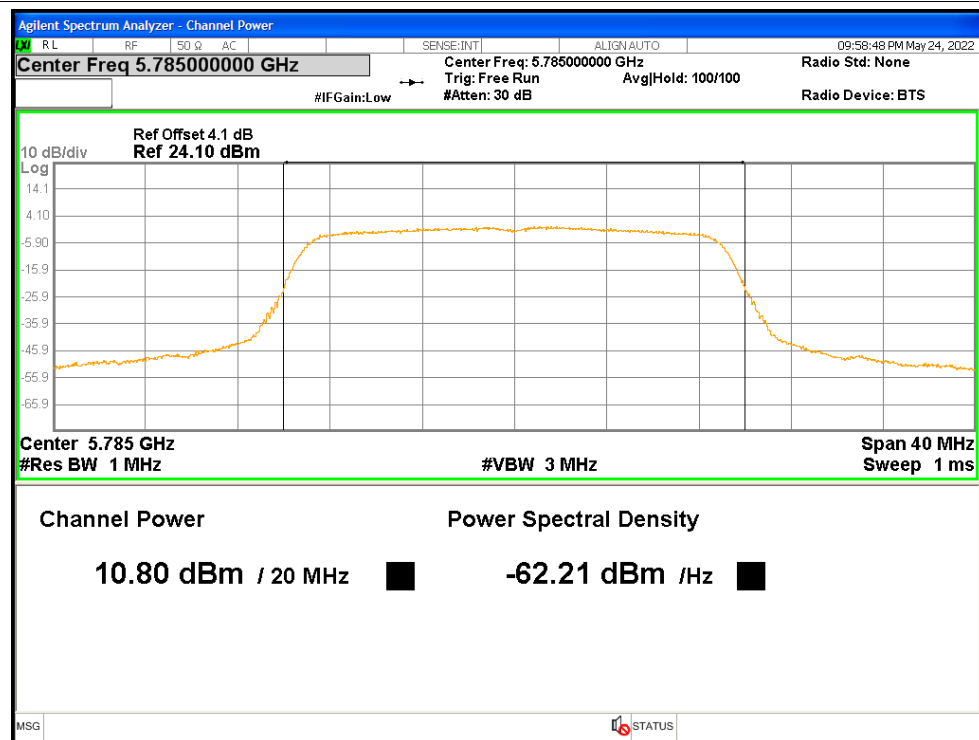
Average Power NVNT ac20 5745MHz Ant2



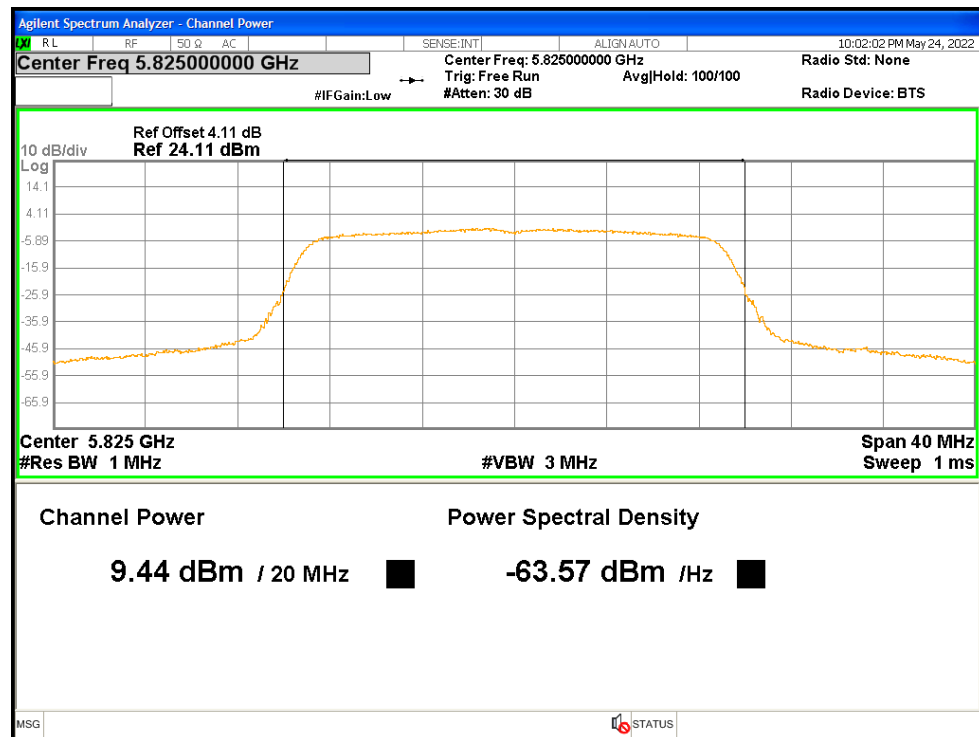
Average Power NVNT ac20 5785MHz Ant1



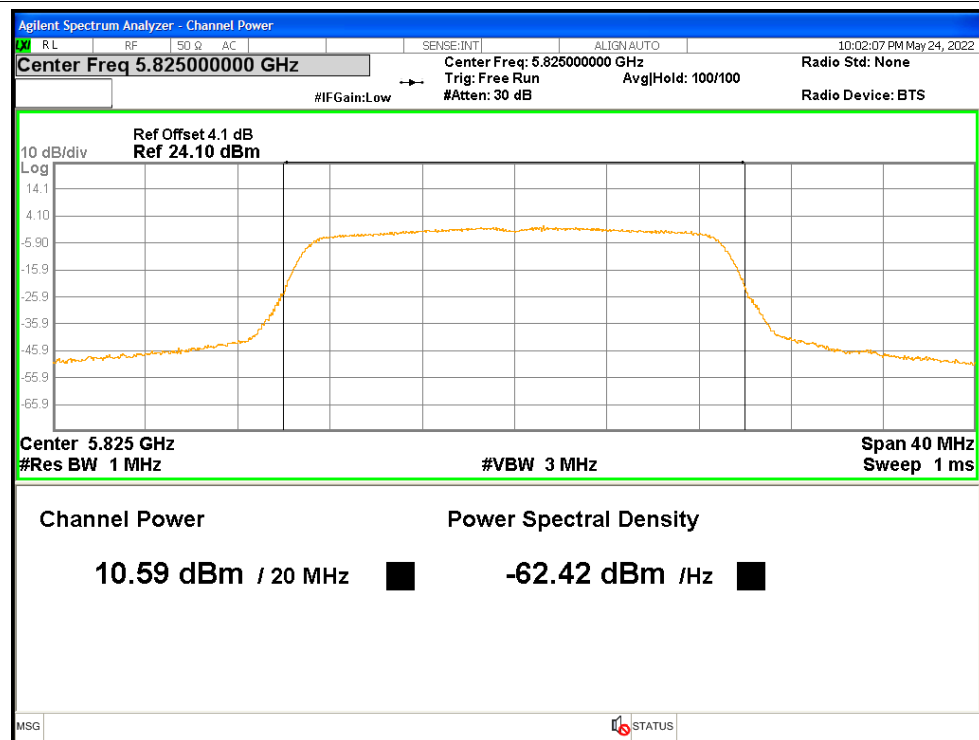
Average Power NVNT ac20 5785MHz Ant2



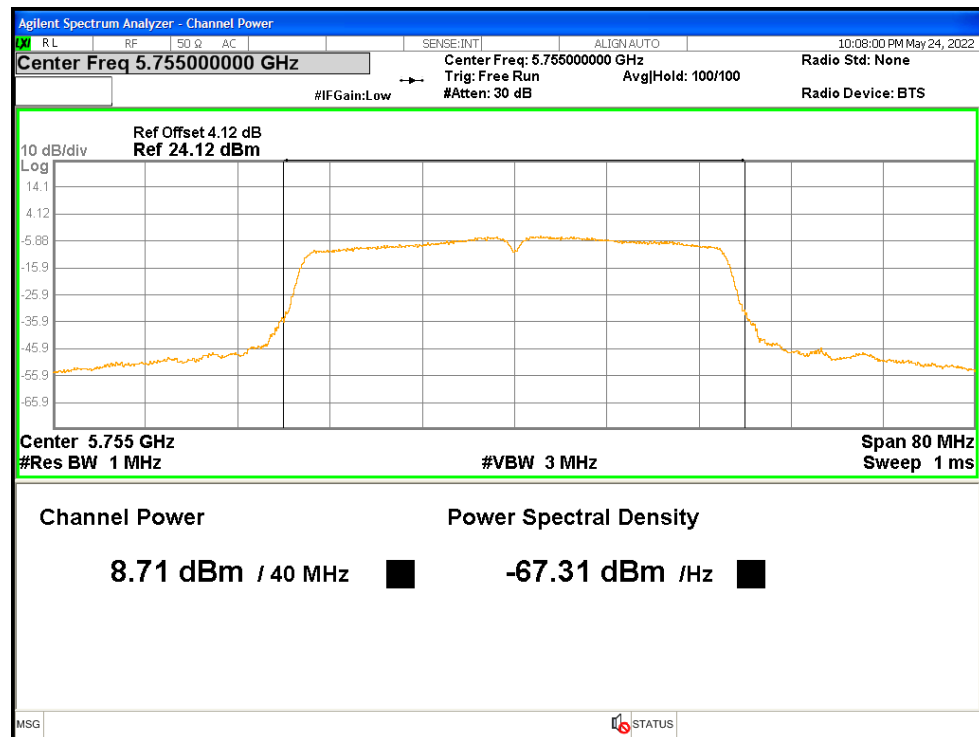
Average Power NVNT ac20 5825MHz Ant1



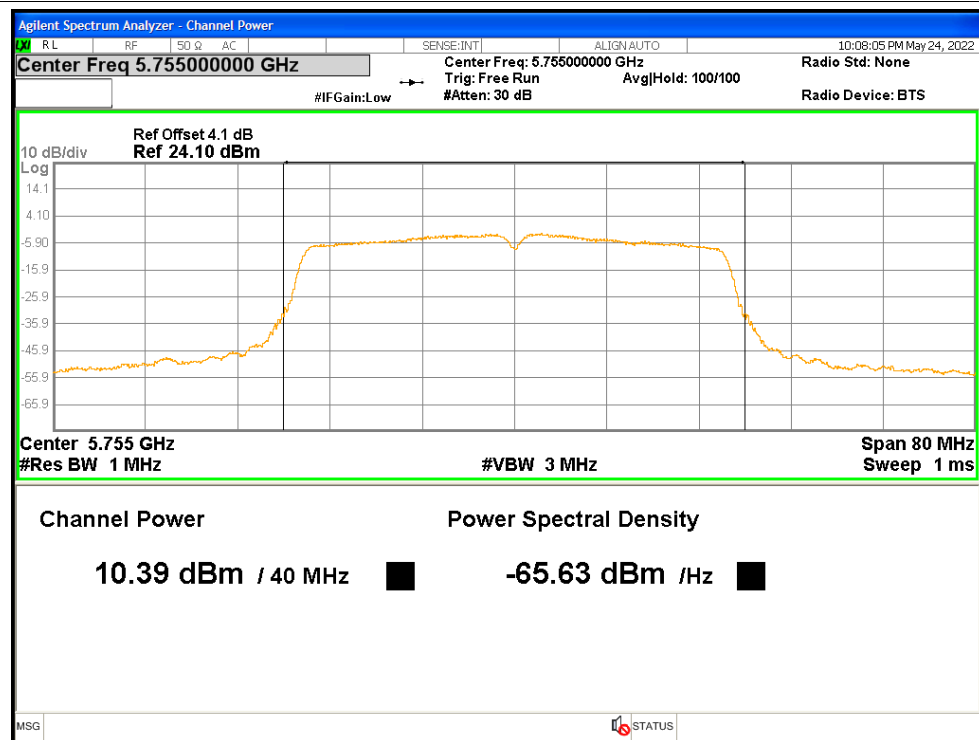
Average Power NVNT ac20 5825MHz Ant2



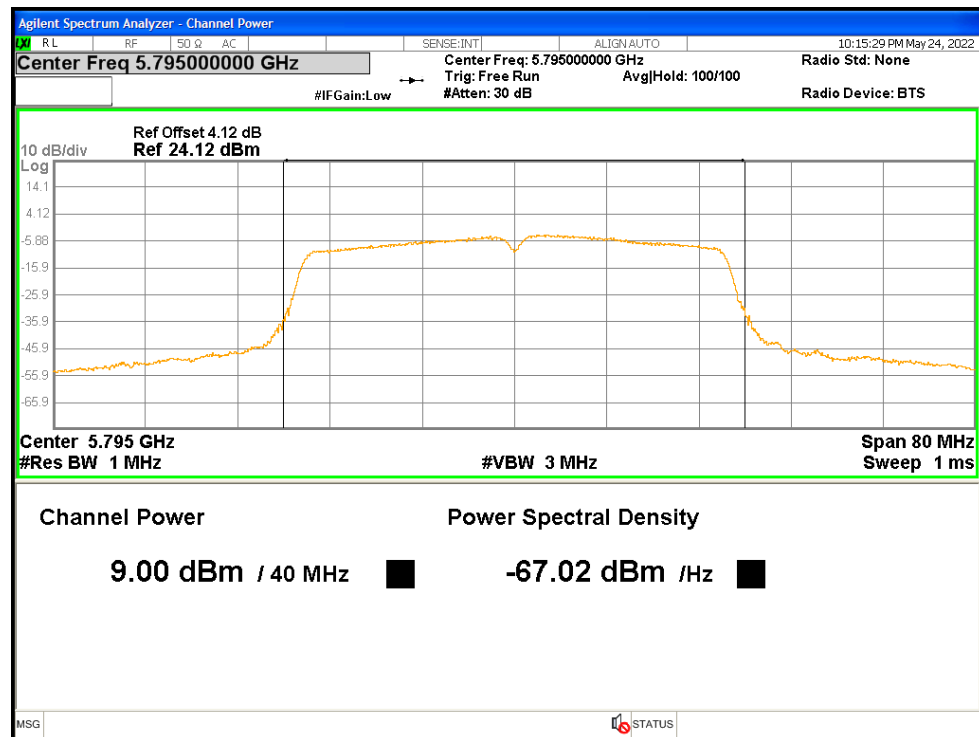
Average Power NVNT ac40 5755MHz Ant1



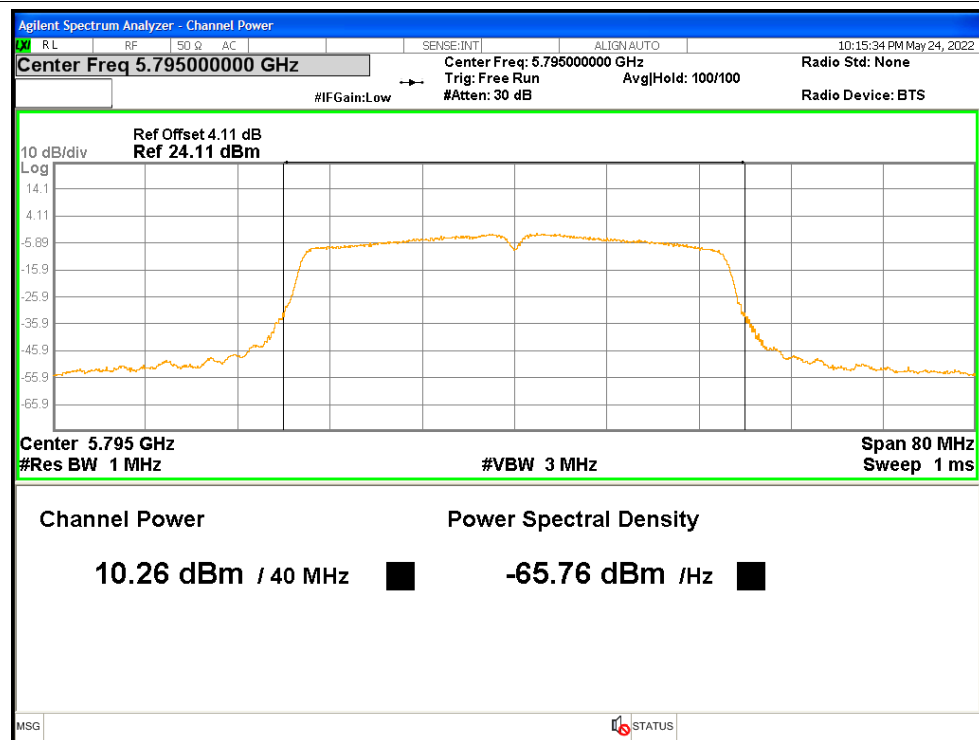
Average Power NVNT ac40 5755MHz Ant2



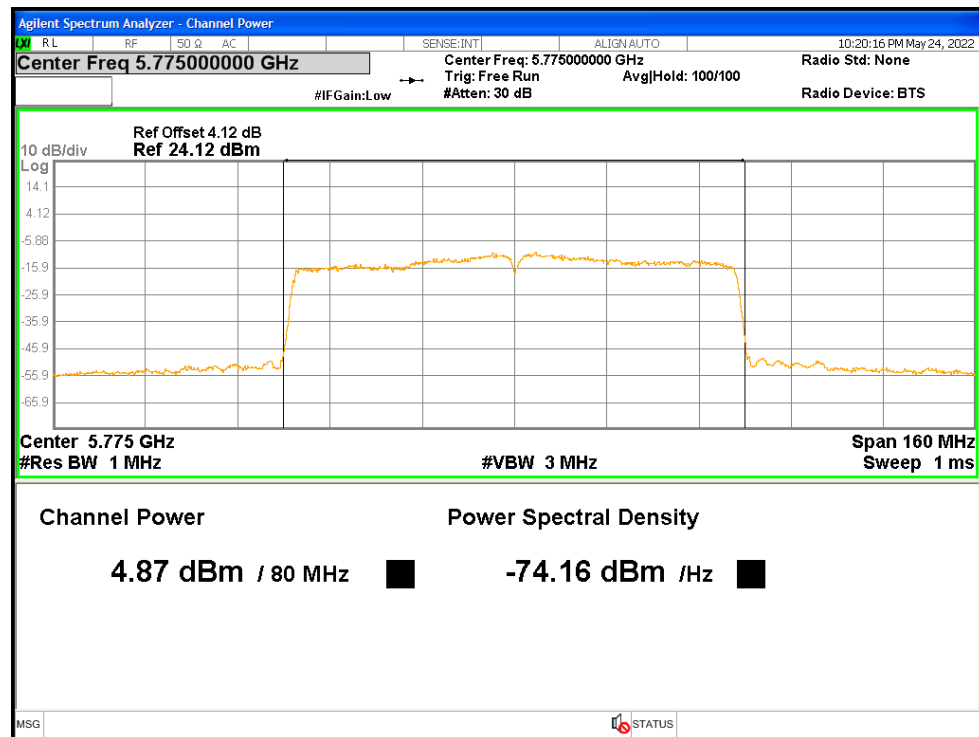
Average Power NVNT ac40 5795MHz Ant1



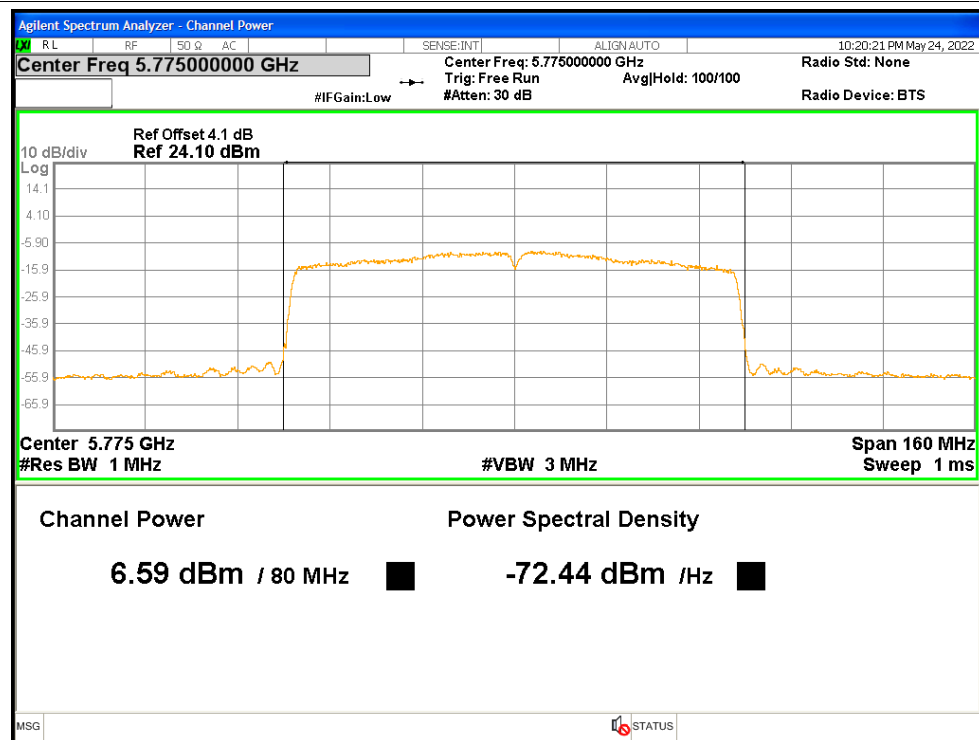
Average Power NVNT ac40 5795MHz Ant2



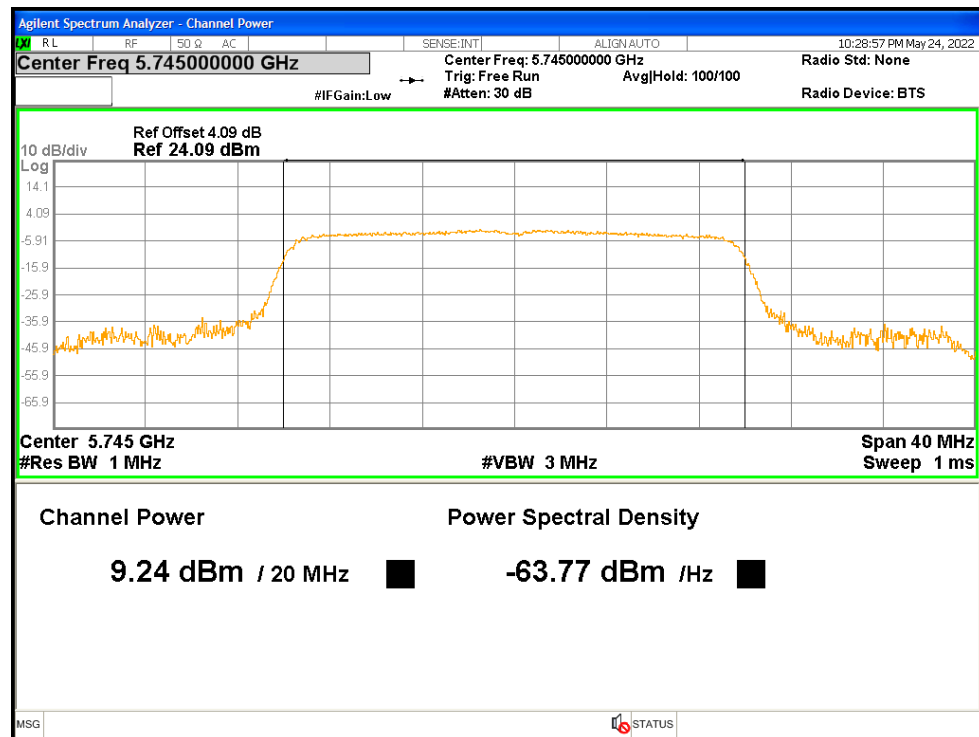
Average Power NVNT ac80 5775MHz Ant1



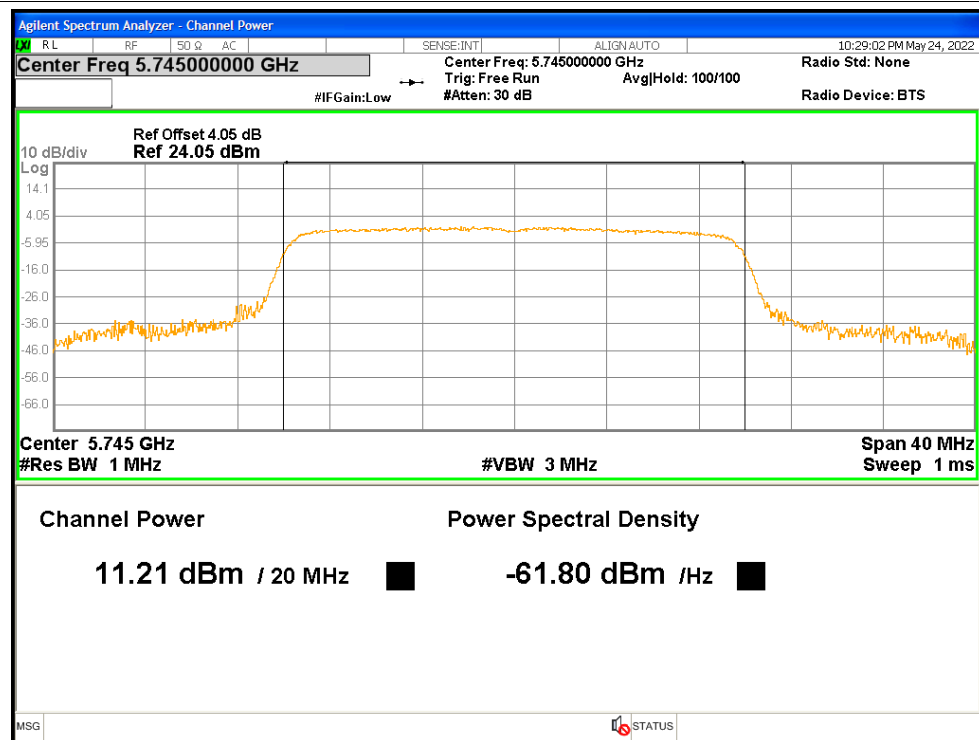
Average Power NVNT ac80 5775MHz Ant2



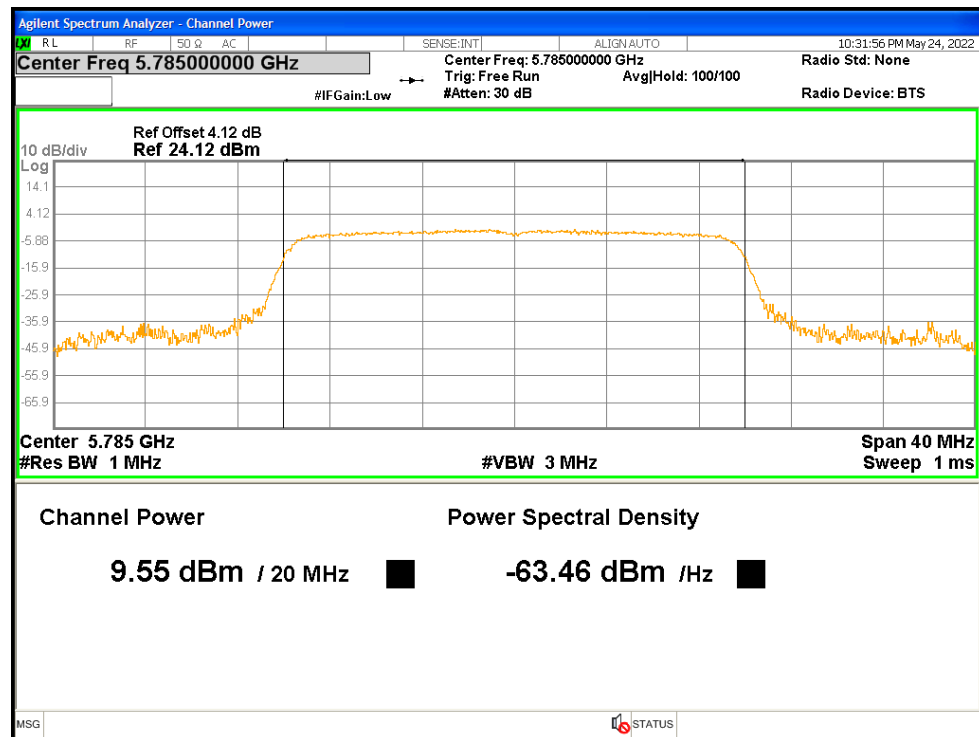
Average Power NVNT ax20 5745MHz Ant1



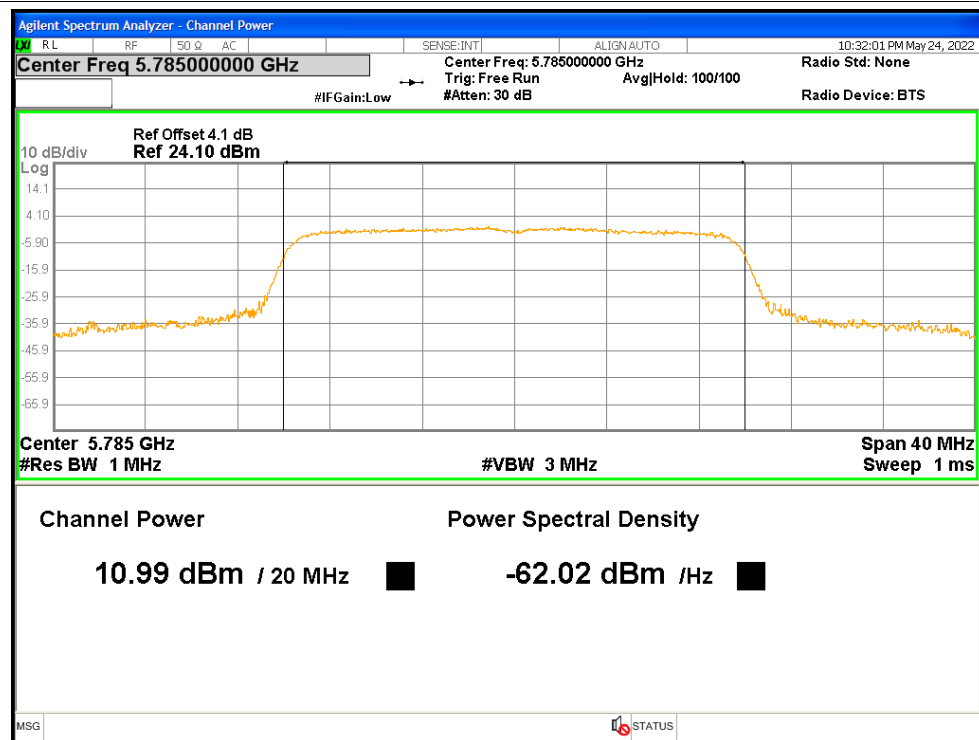
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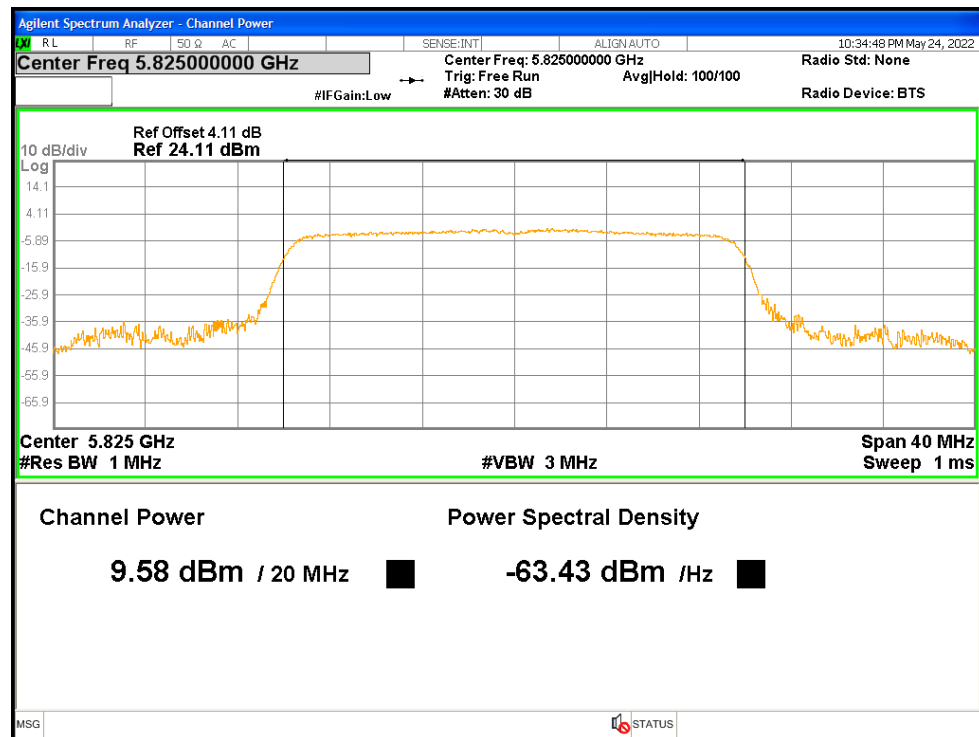
Average Power NVNT ax20 5785MHz Ant1



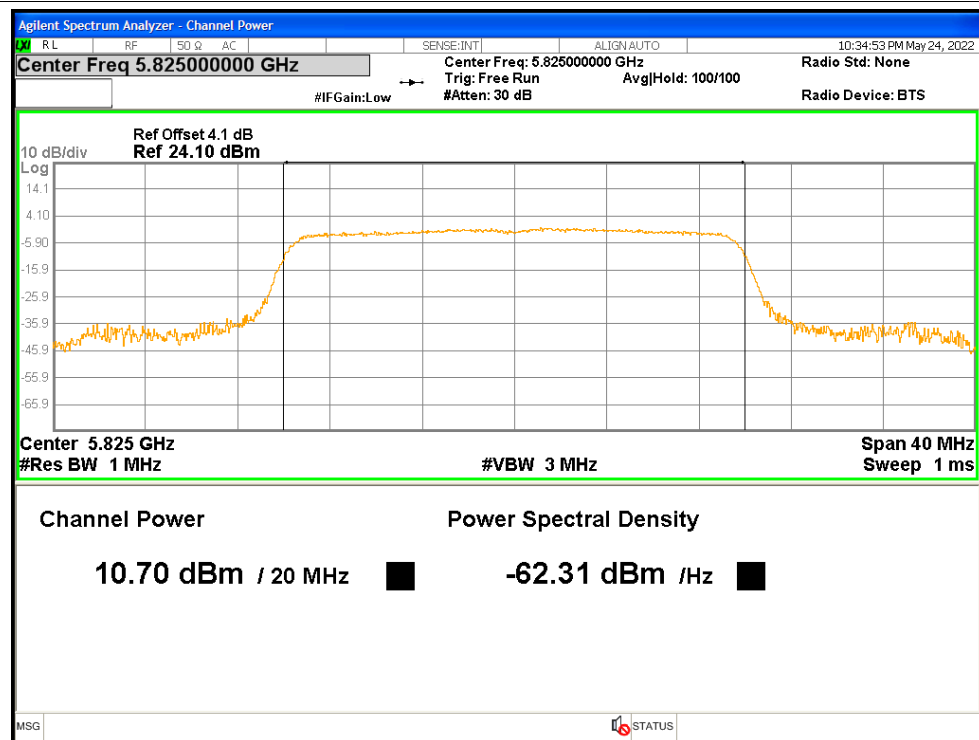
Average Power NVNT ax20 5785MHz Ant2



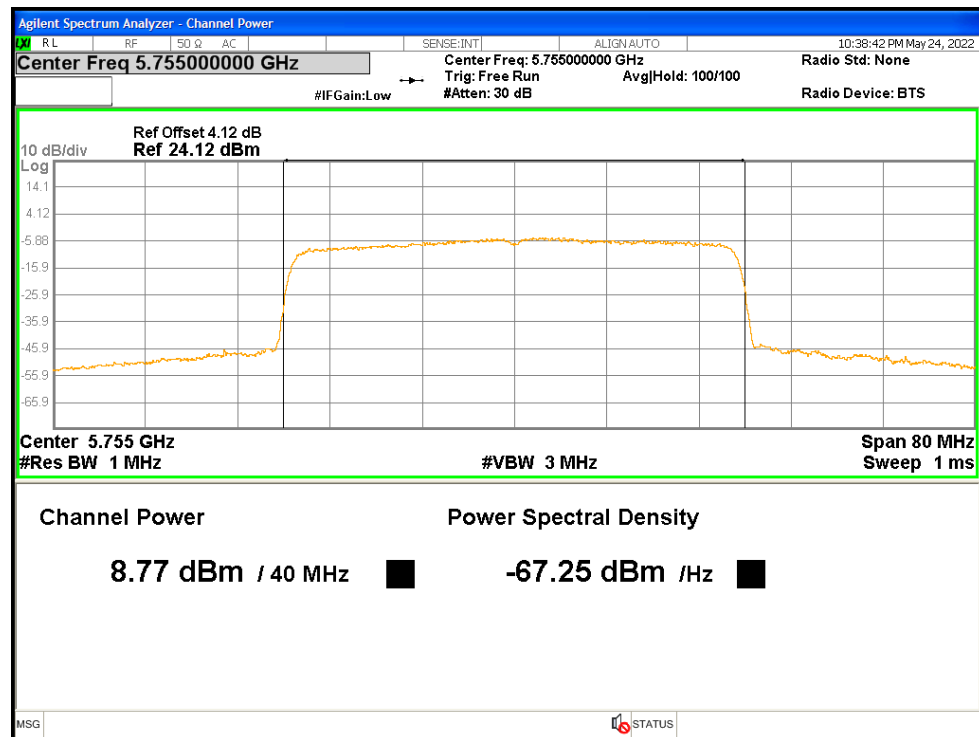
Average Power NVNT ax20 5825MHz Ant1



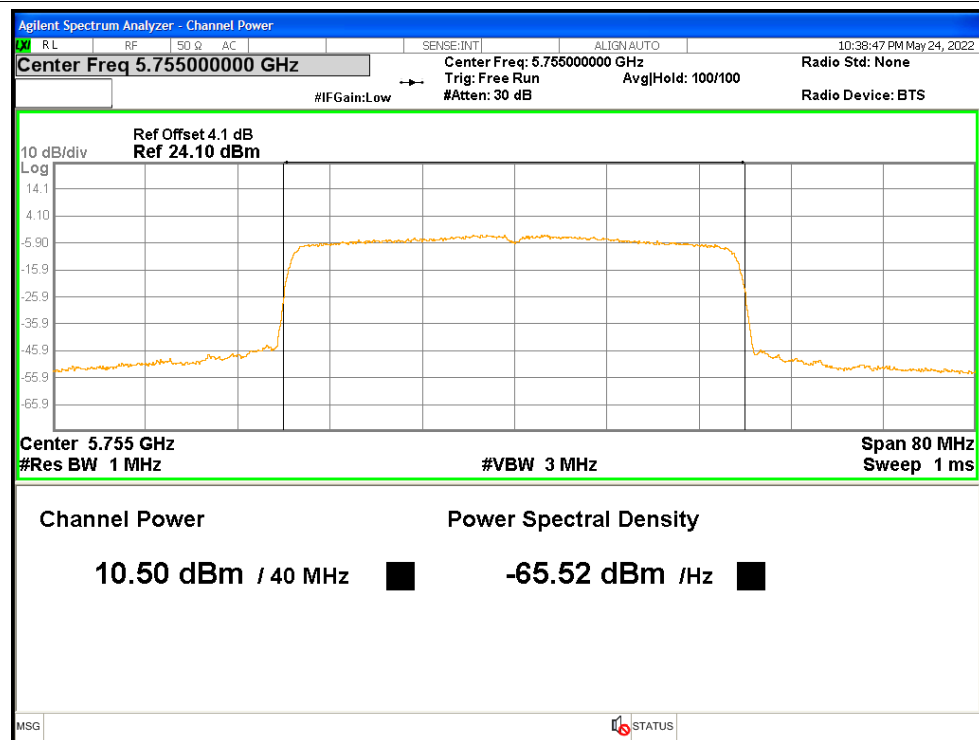
Average Power NVNT ax20 5825MHz Ant2



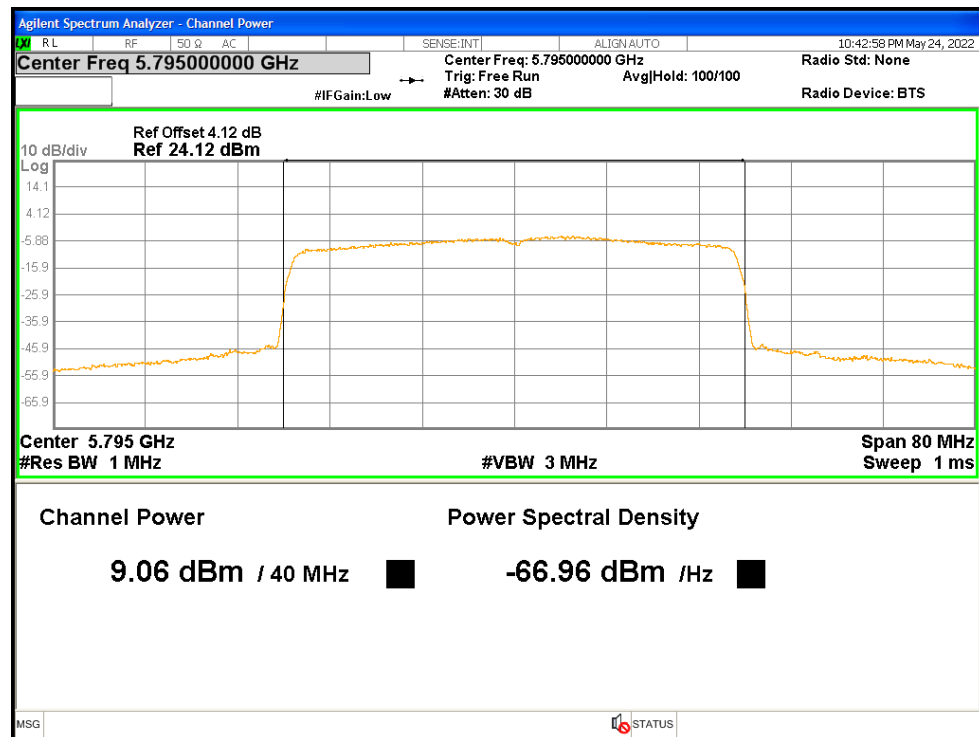
Average Power NVNT ax40 5755MHz Ant1



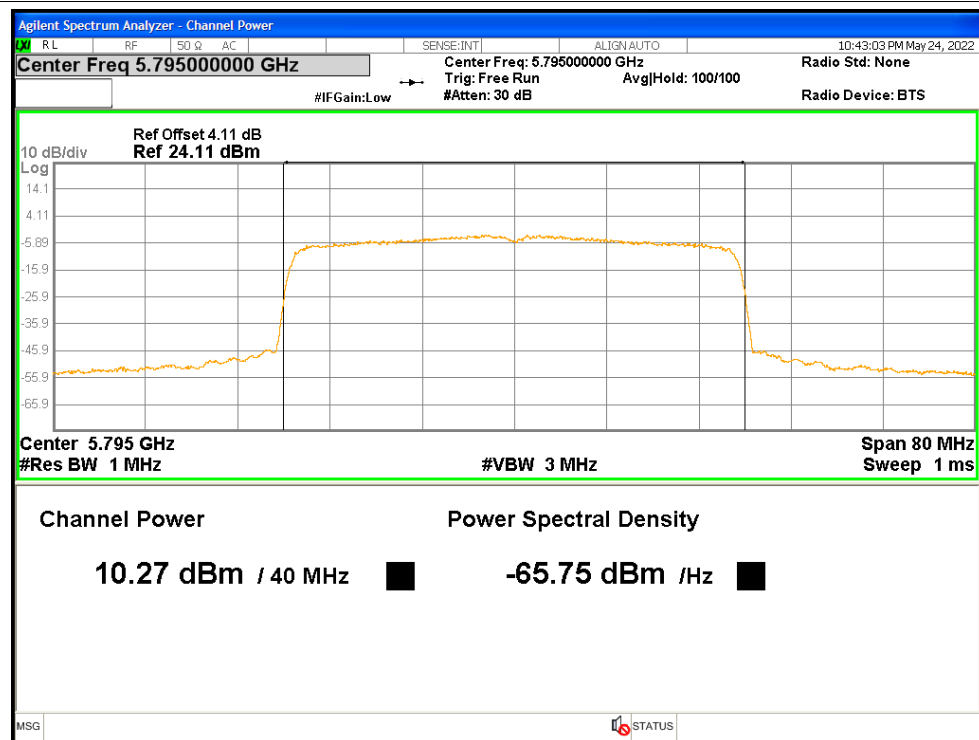
Average Power NVNT ax40 5755MHz Ant2



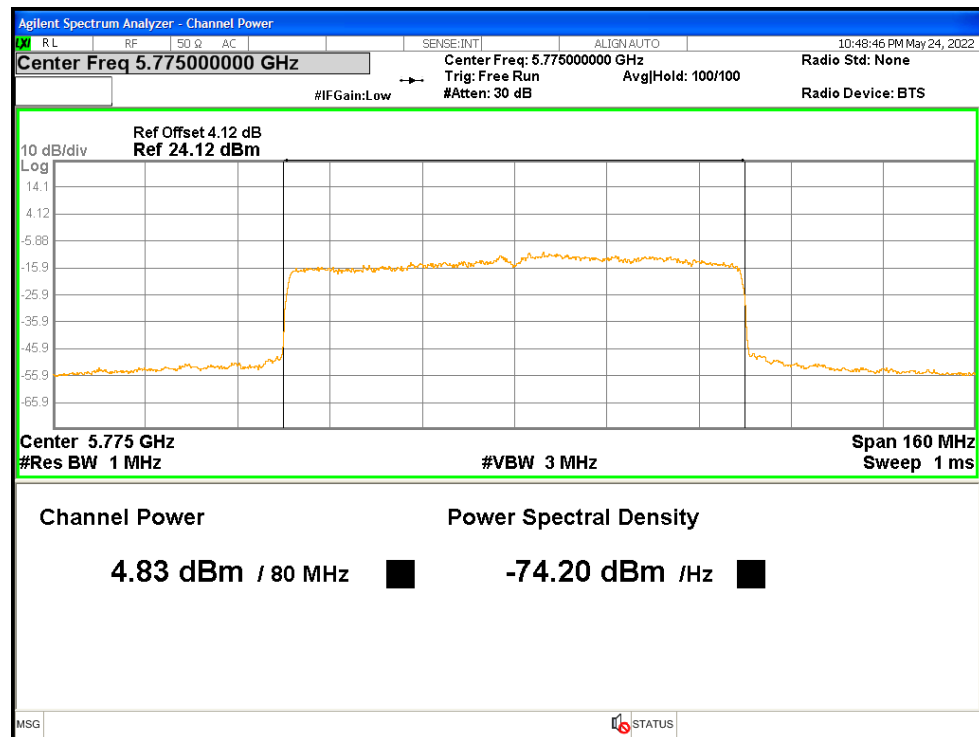
Average Power NVNT ax40 5795MHz Ant1



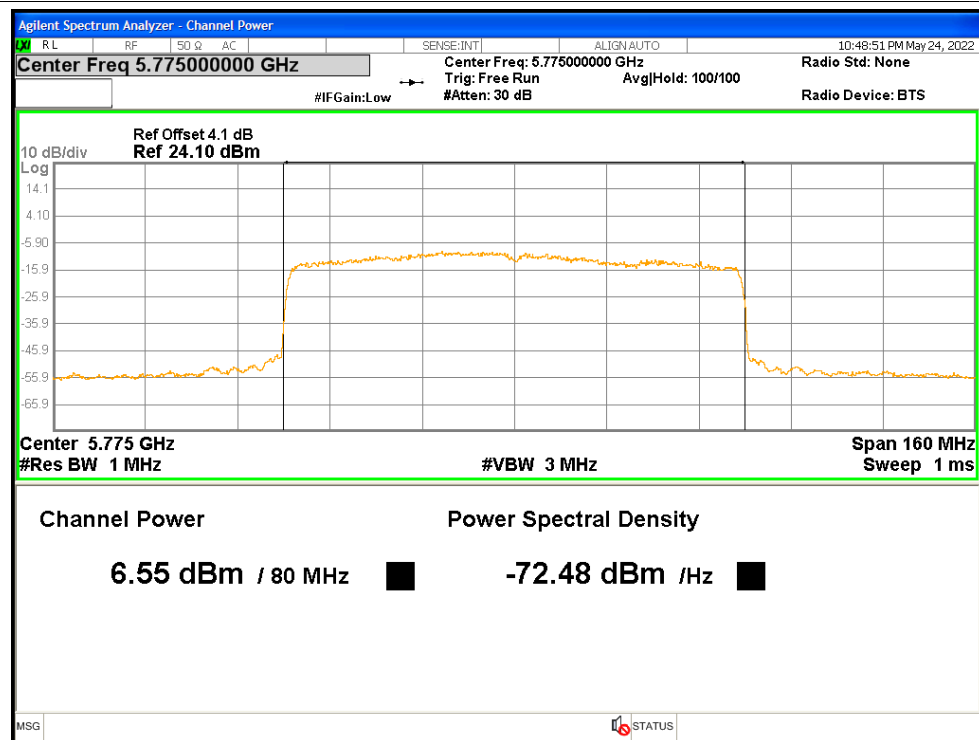
Average Power NVNT ax40 5795MHz Ant2



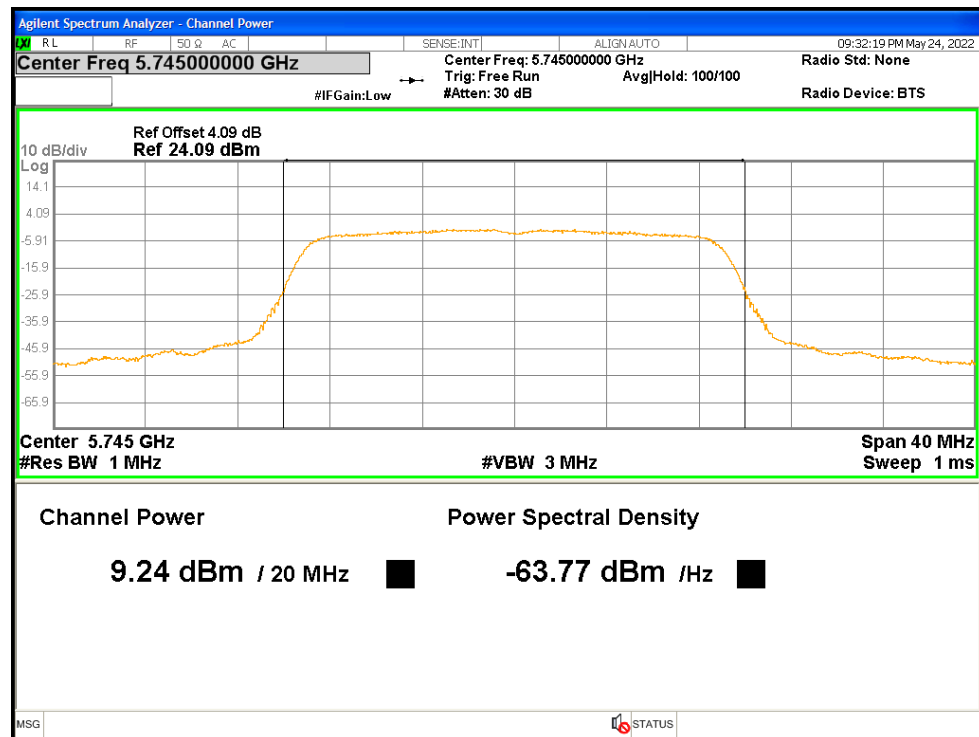
Average Power NVNT ax80 5775MHz Ant1



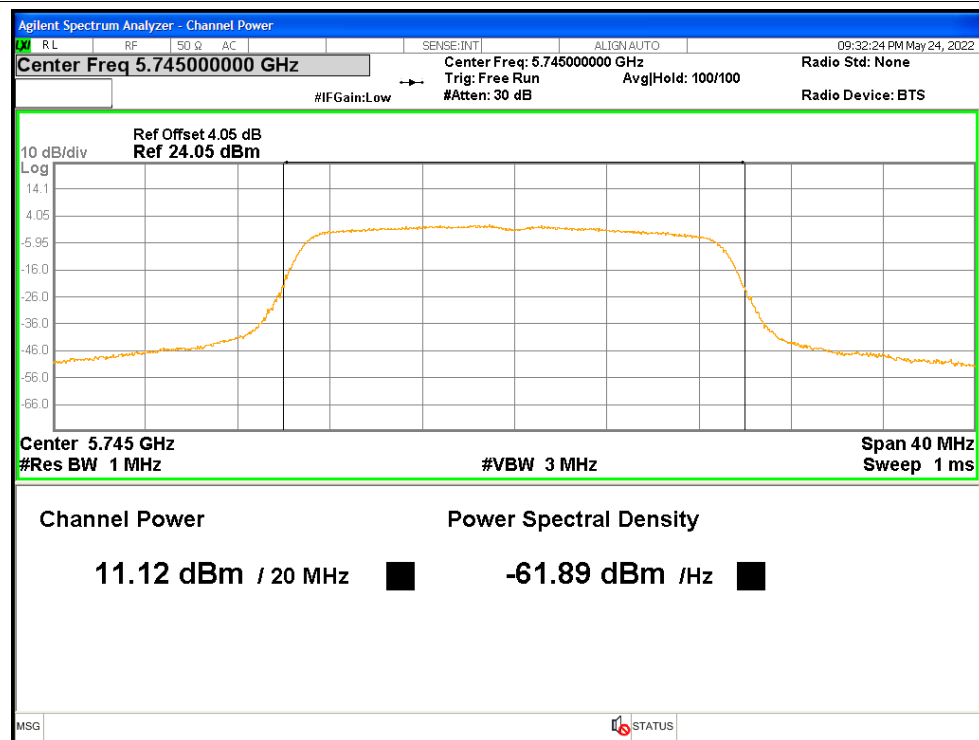
Average Power NVNT ax80 5775MHz Ant2



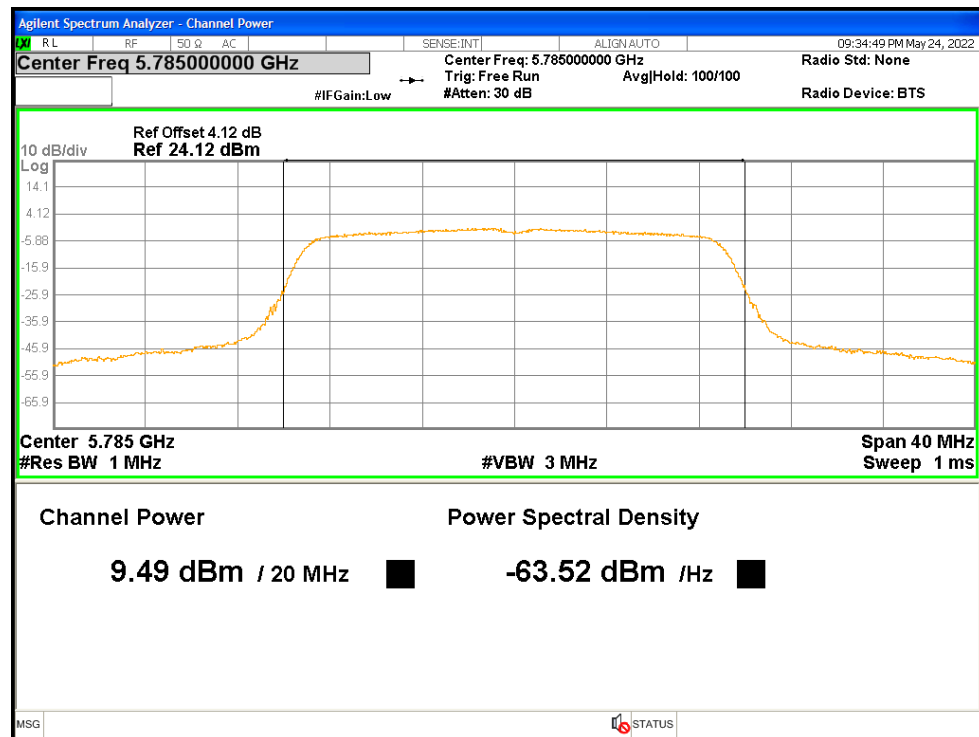
Average Power NVNT n20 5745MHz Ant1



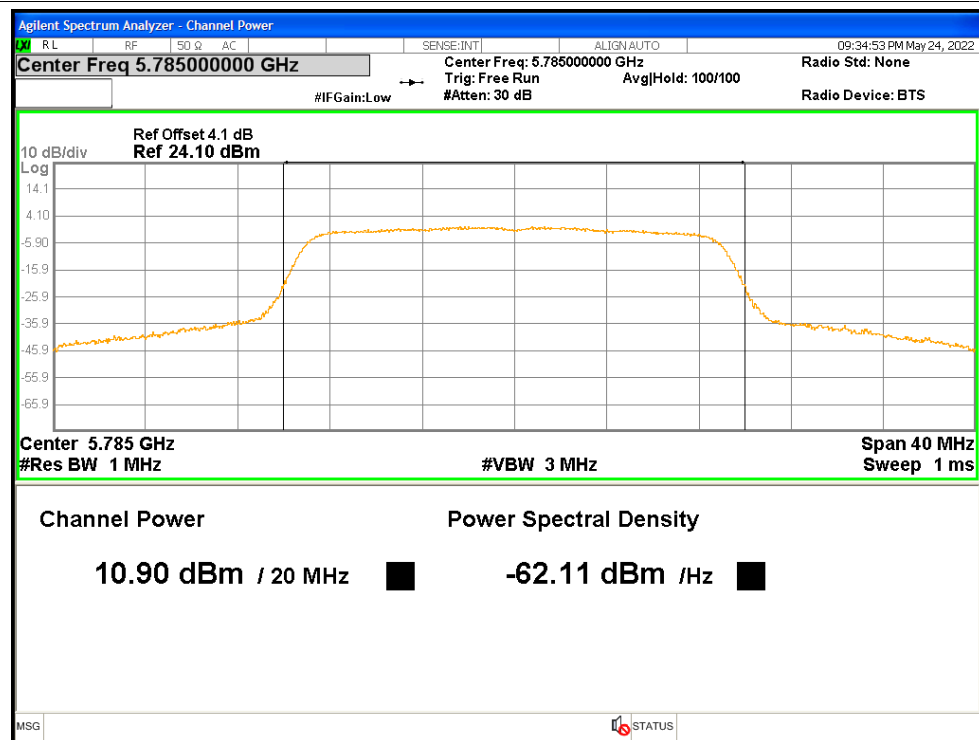
Average Power NVNT n20 5745MHz Ant2



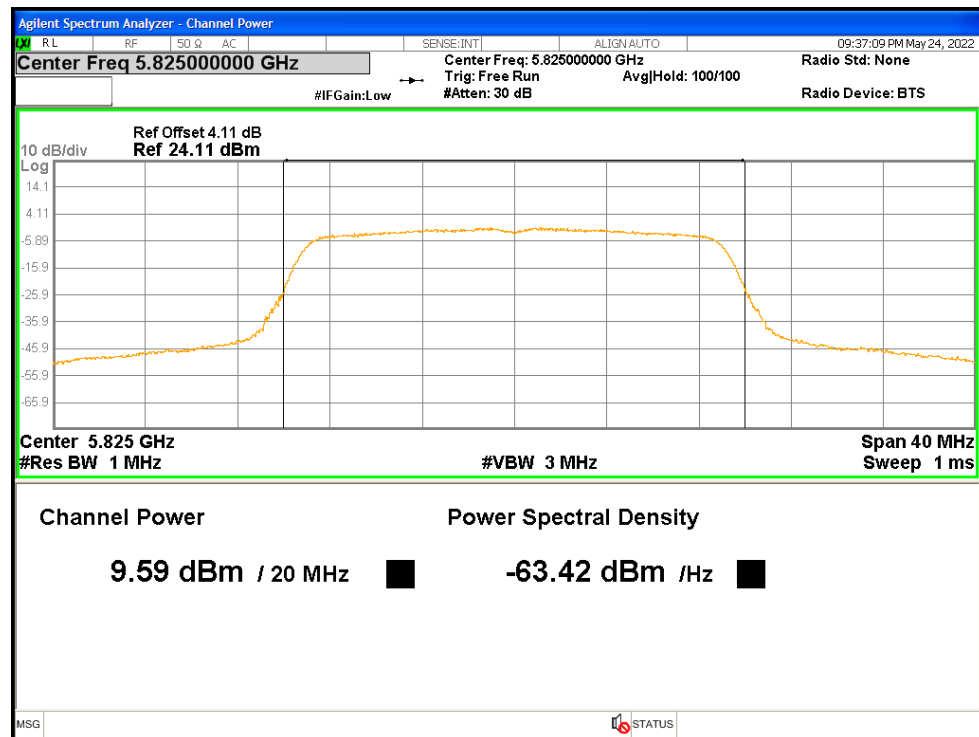
Average Power NVNT n20 5785MHz Ant1



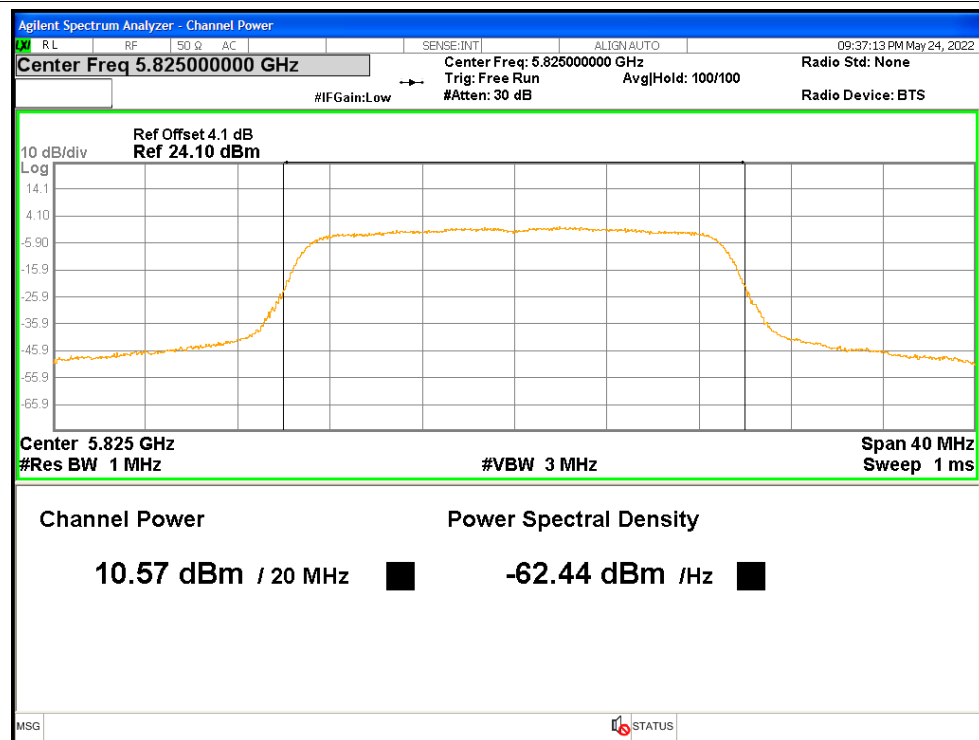
Average Power NVNT n20 5785MHz Ant2



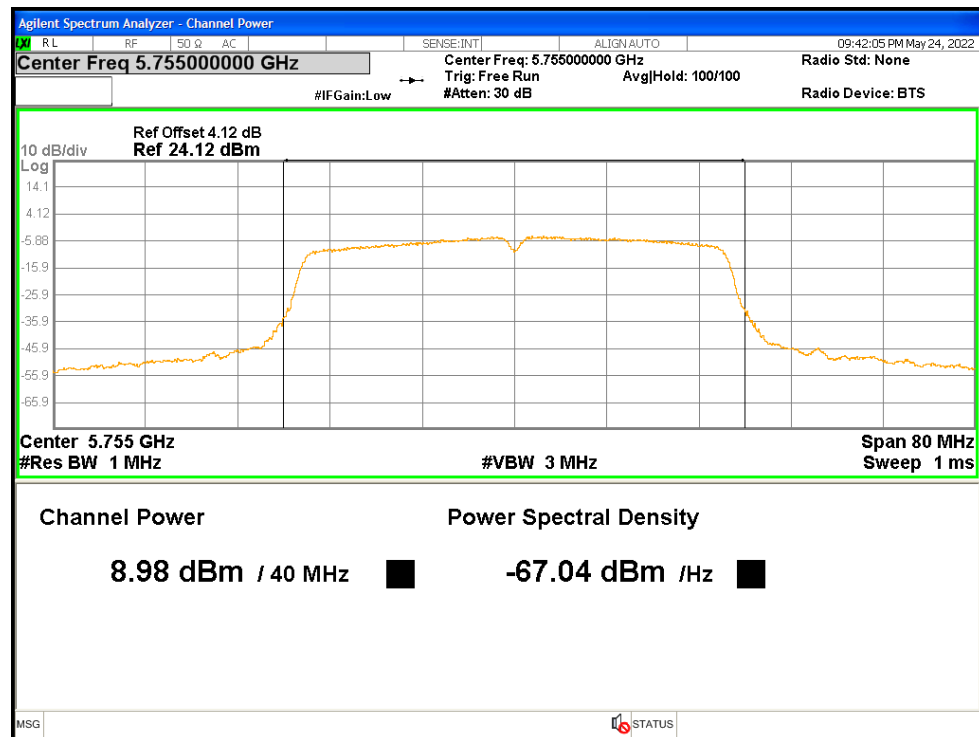
Average Power NVNT n20 5825MHz Ant1



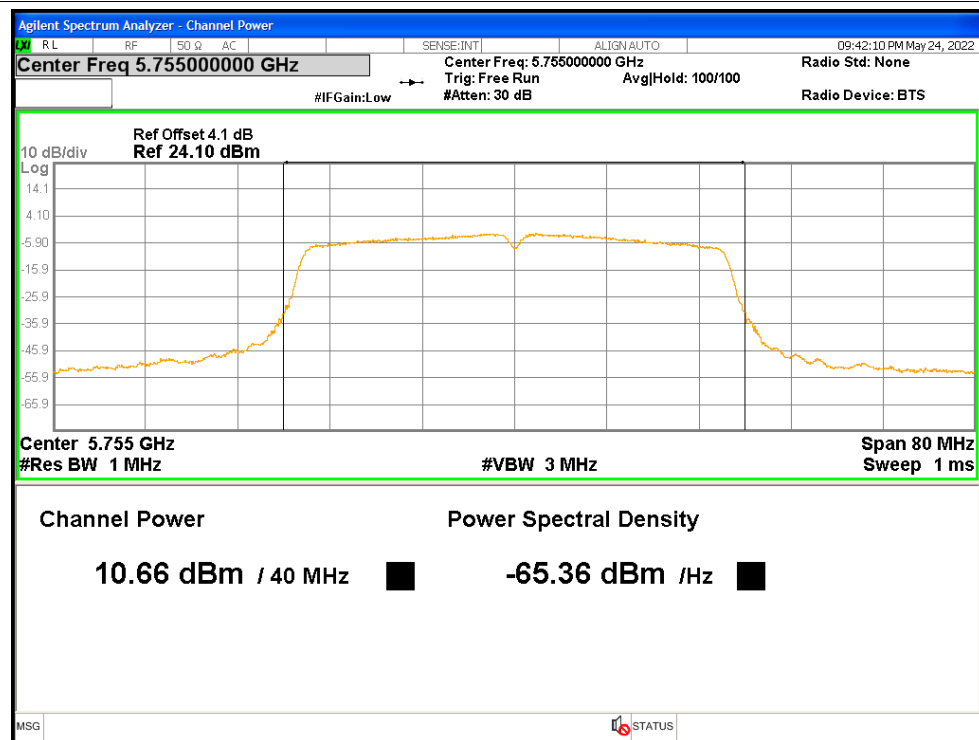
Average Power NVNT n20 5825MHz Ant2



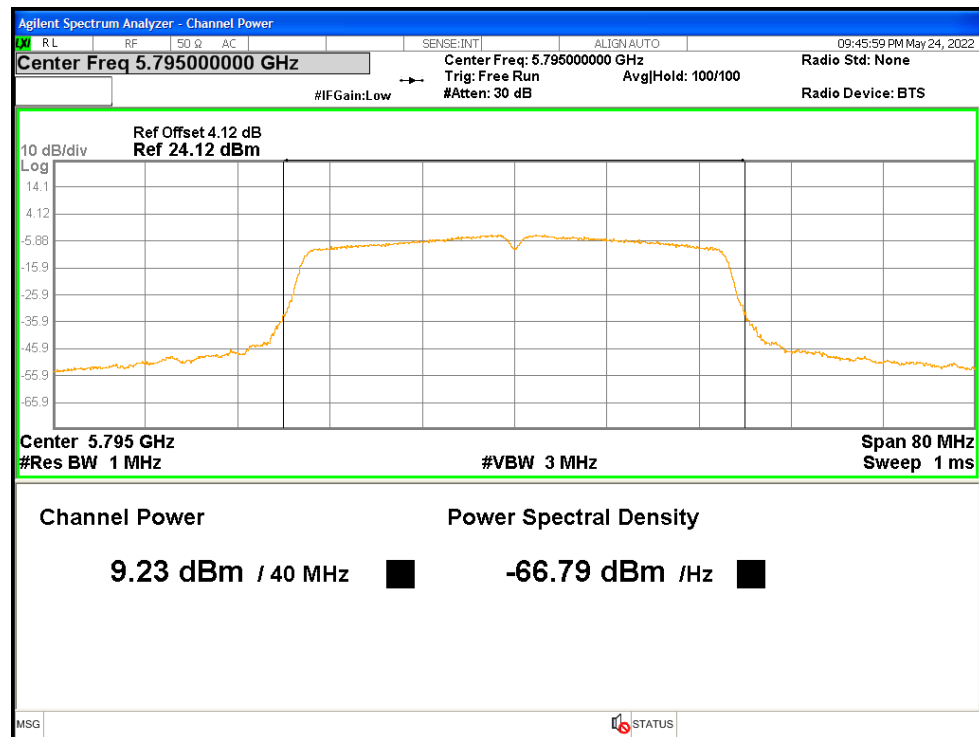
Average Power NVNT n40 5755MHz Ant1



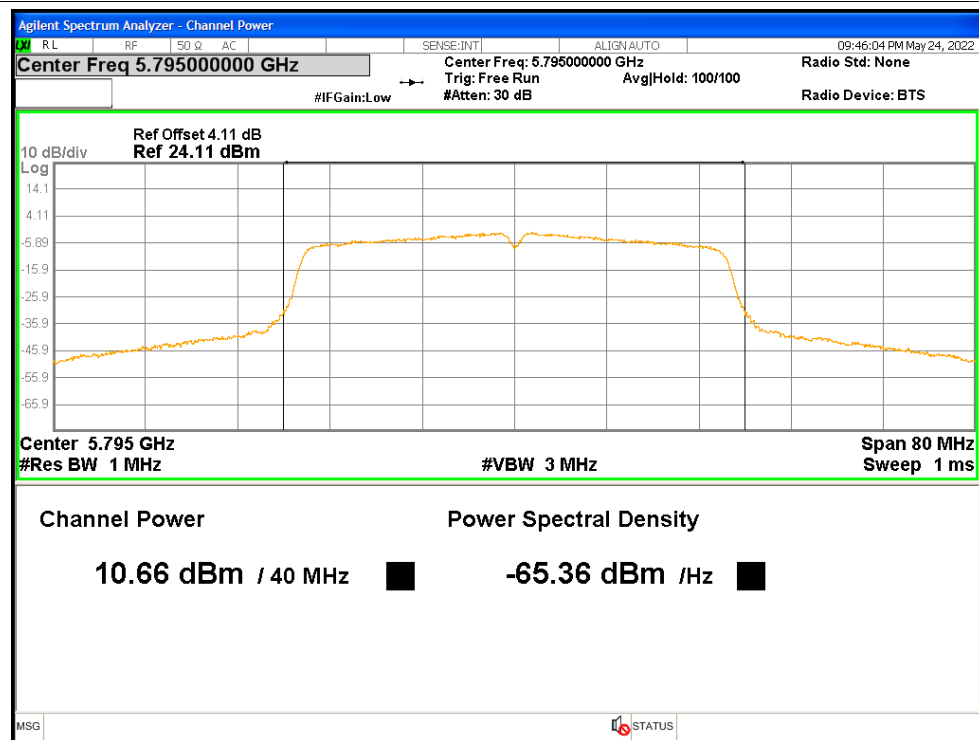
Average Power NVNT n40 5755MHz Ant2



Average Power NVNT n40 5795MHz Ant1



Average Power NVNT n40 5795MHz Ant2

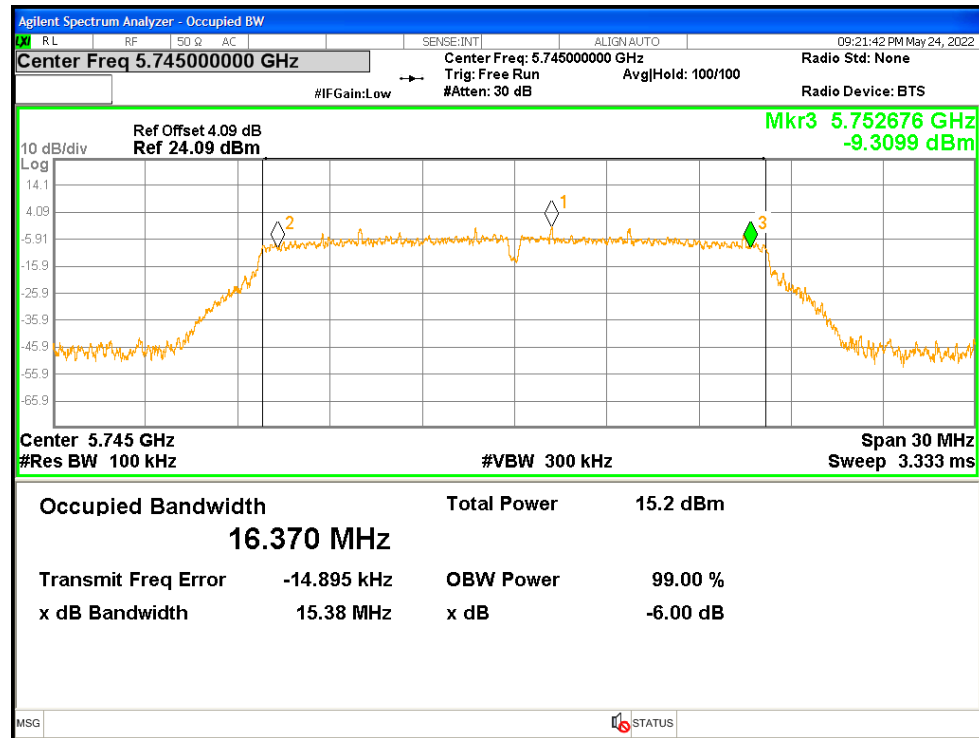


-6dB Bandwidth

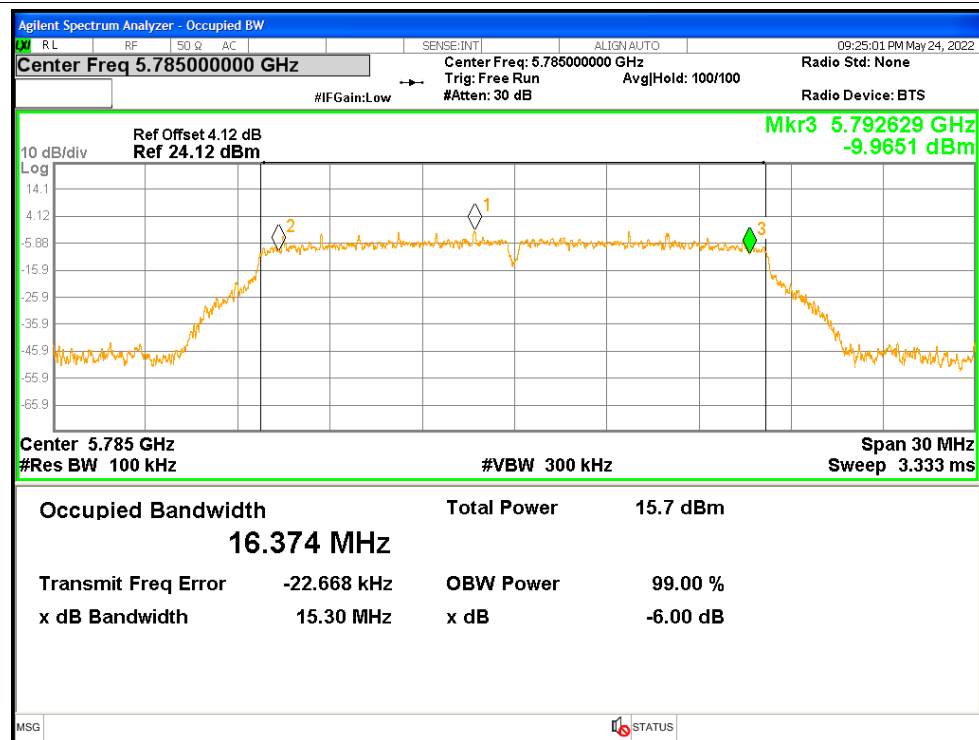
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	15.382	>=0.5	Pass
NVNT	a	5785	Ant1	15.303	>=0.5	Pass
NVNT	a	5825	Ant1	15.161	>=0.5	Pass
NVNT	a	5745	Ant2	16.057	>=0.5	Pass
NVNT	a	5785	Ant2	15.667	>=0.5	Pass
NVNT	a	5825	Ant2	15.7	>=0.5	Pass
NVNT	ac20	5745	Ant1	16.507	>=0.5	Pass
NVNT	ac20	5745	Ant2	17.567	>=0.5	Pass
NVNT	ac20	5785	Ant1	17.15	>=0.5	Pass
NVNT	ac20	5785	Ant2	16.674	>=0.5	Pass
NVNT	ac20	5825	Ant1	15.318	>=0.5	Pass
NVNT	ac20	5825	Ant2	16.956	>=0.5	Pass
NVNT	ac40	5755	Ant1	35.053	>=0.5	Pass
NVNT	ac40	5755	Ant2	35.069	>=0.5	Pass
NVNT	ac40	5795	Ant1	33.832	>=0.5	Pass
NVNT	ac40	5795	Ant2	31.318	>=0.5	Pass
NVNT	ac80	5775	Ant1	73.776	>=0.5	Pass
NVNT	ac80	5775	Ant2	74.989	>=0.5	Pass
NVNT	ax20	5745	Ant1	18.386	>=0.5	Pass
NVNT	ax20	5745	Ant2	18.603	>=0.5	Pass
NVNT	ax20	5785	Ant1	18.665	>=0.5	Pass
NVNT	ax20	5785	Ant2	18.906	>=0.5	Pass
NVNT	ax20	5825	Ant1	18.41	>=0.5	Pass
NVNT	ax20	5825	Ant2	18.738	>=0.5	Pass
NVNT	ax40	5755	Ant1	36.311	>=0.5	Pass
NVNT	ax40	5755	Ant2	35.099	>=0.5	Pass
NVNT	ax40	5795	Ant1	34.757	>=0.5	Pass
NVNT	ax40	5795	Ant2	35.073	>=0.5	Pass
NVNT	ax80	5775	Ant1	75.037	>=0.5	Pass
NVNT	ax80	5775	Ant2	73.784	>=0.5	Pass
NVNT	n20	5745	Ant1	15.655	>=0.5	Pass
NVNT	n20	5745	Ant2	16.3	>=0.5	Pass
NVNT	n20	5785	Ant1	13.536	>=0.5	Pass
NVNT	n20	5785	Ant2	16.951	>=0.5	Pass
NVNT	n20	5825	Ant1	17.289	>=0.5	Pass
NVNT	n20	5825	Ant2	16.942	>=0.5	Pass
NVNT	n40	5755	Ant1	32.616	>=0.5	Pass
NVNT	n40	5755	Ant2	35.071	>=0.5	Pass
NVNT	n40	5795	Ant1	35.068	>=0.5	Pass
NVNT	n40	5795	Ant2	35.079	>=0.5	Pass

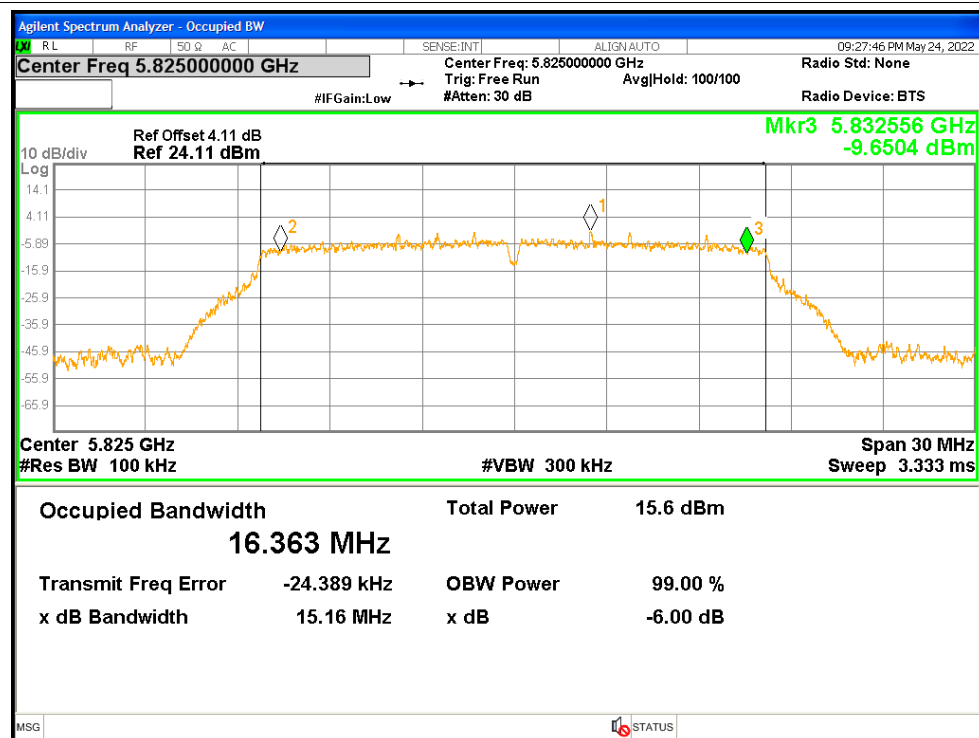
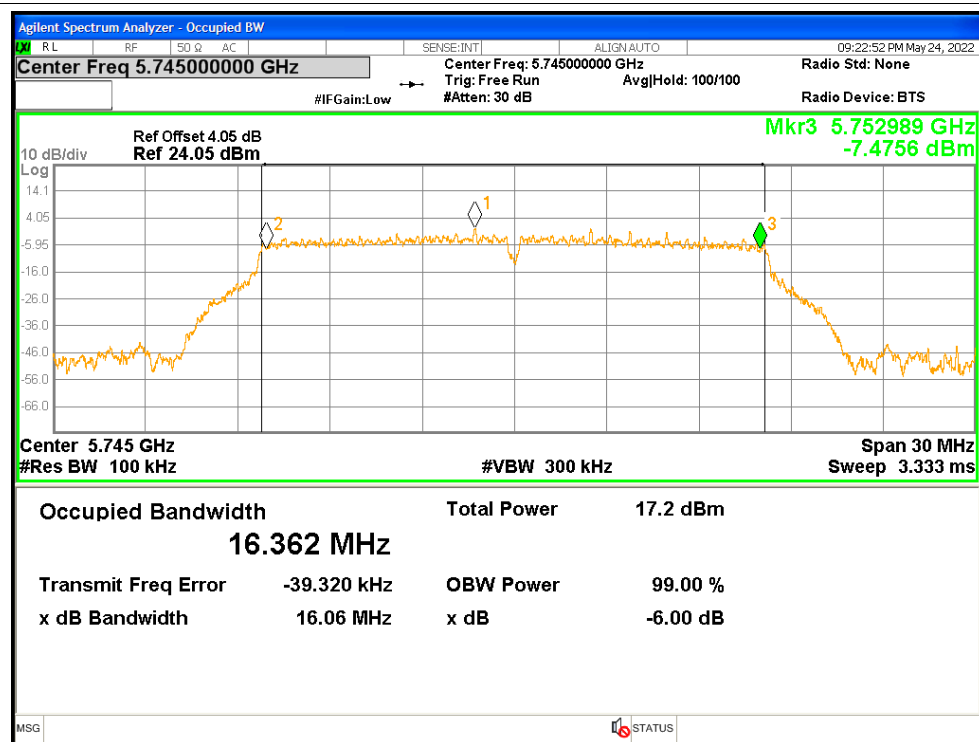
Test Graphs

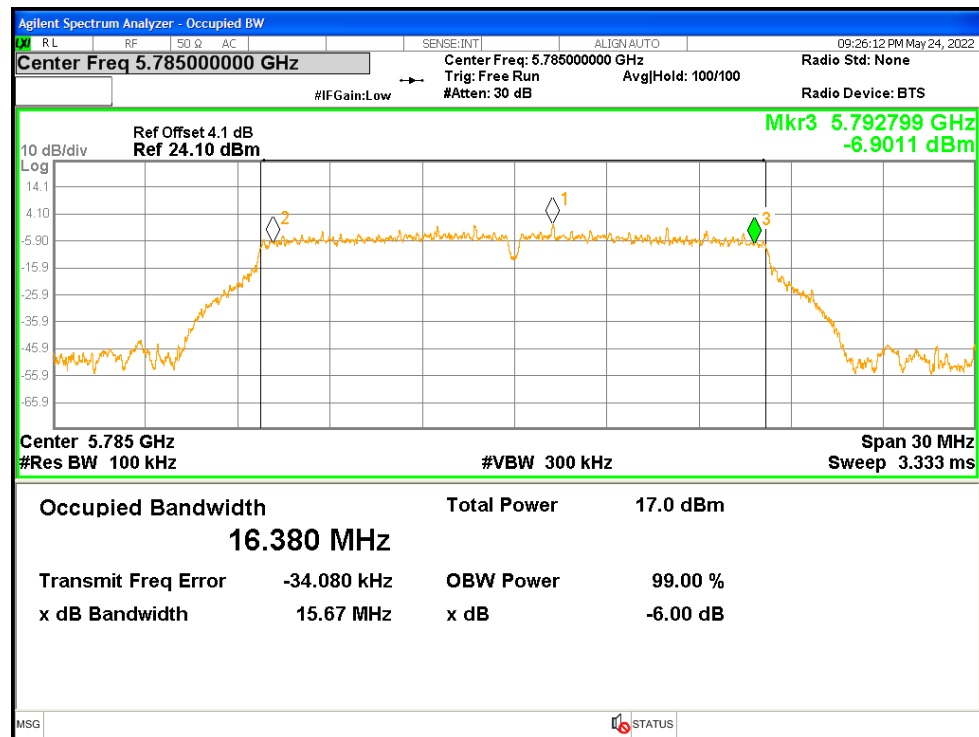
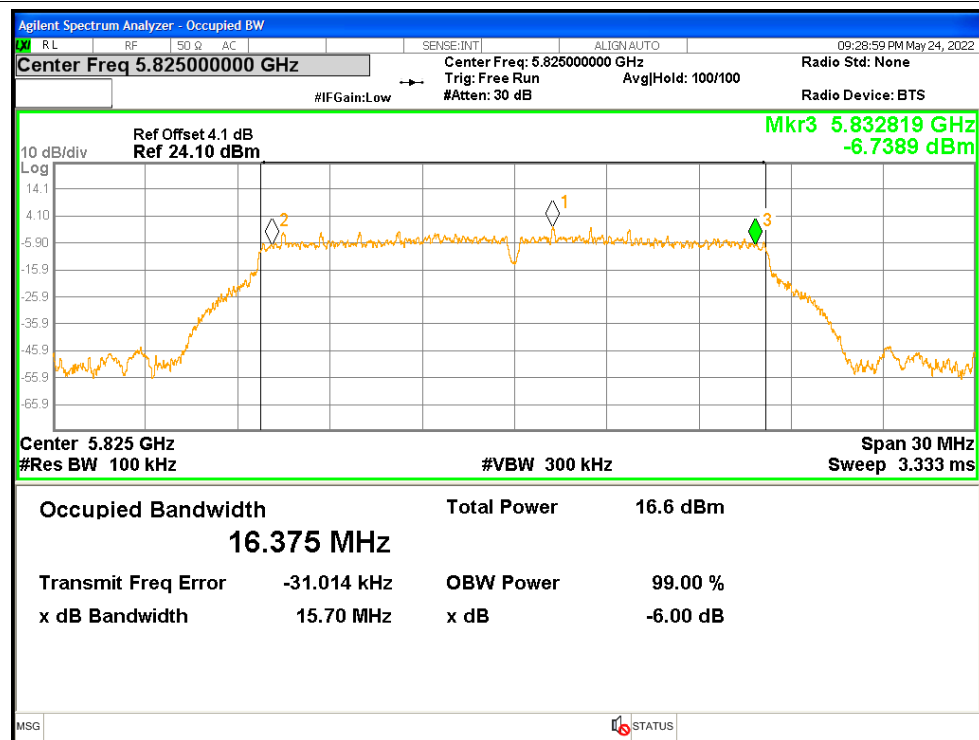
-6dB Bandwidth NVNT a 5745MHz Ant1

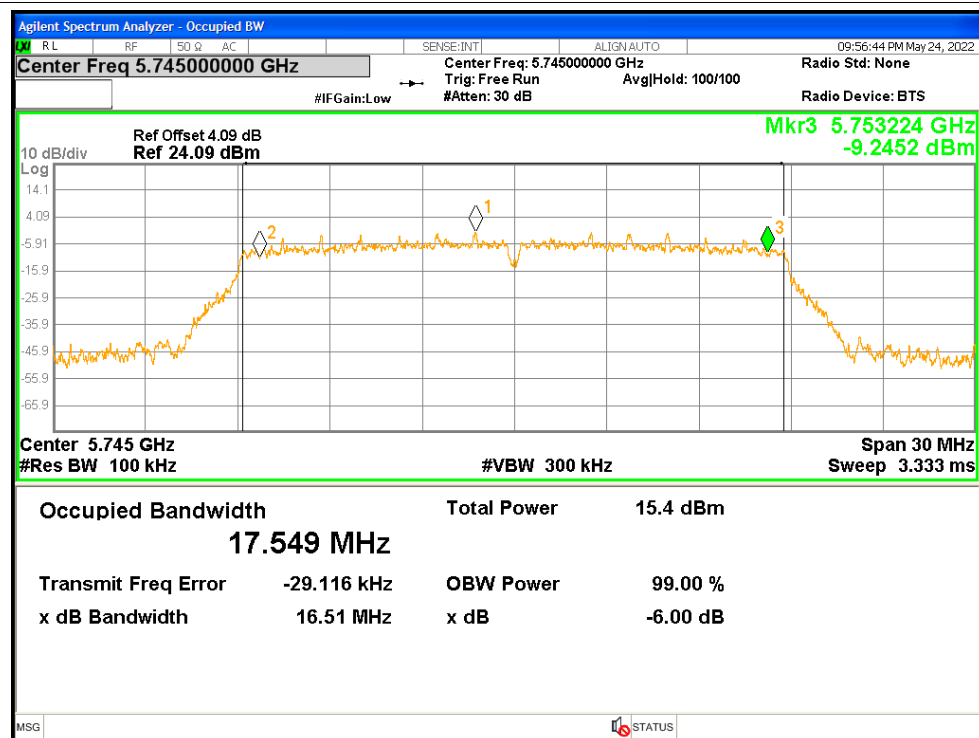
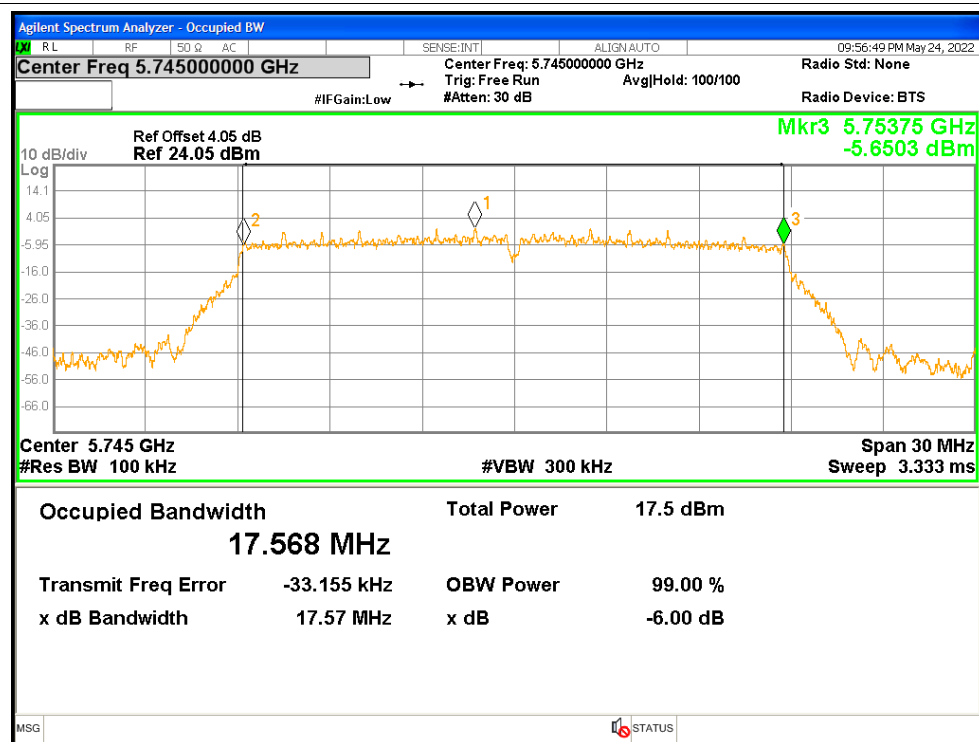


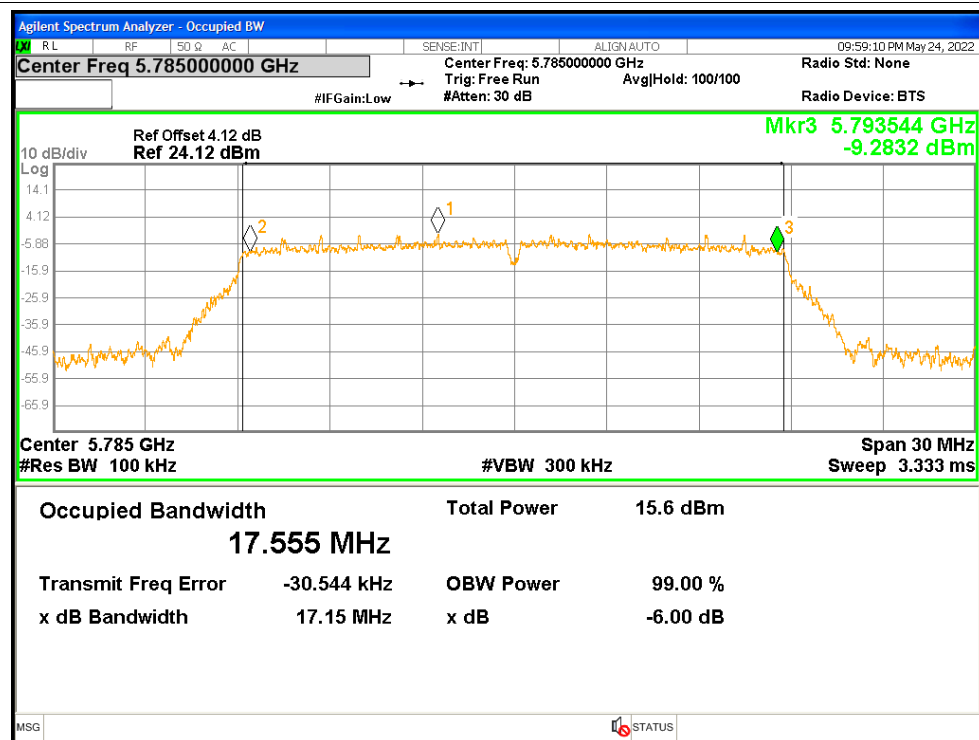
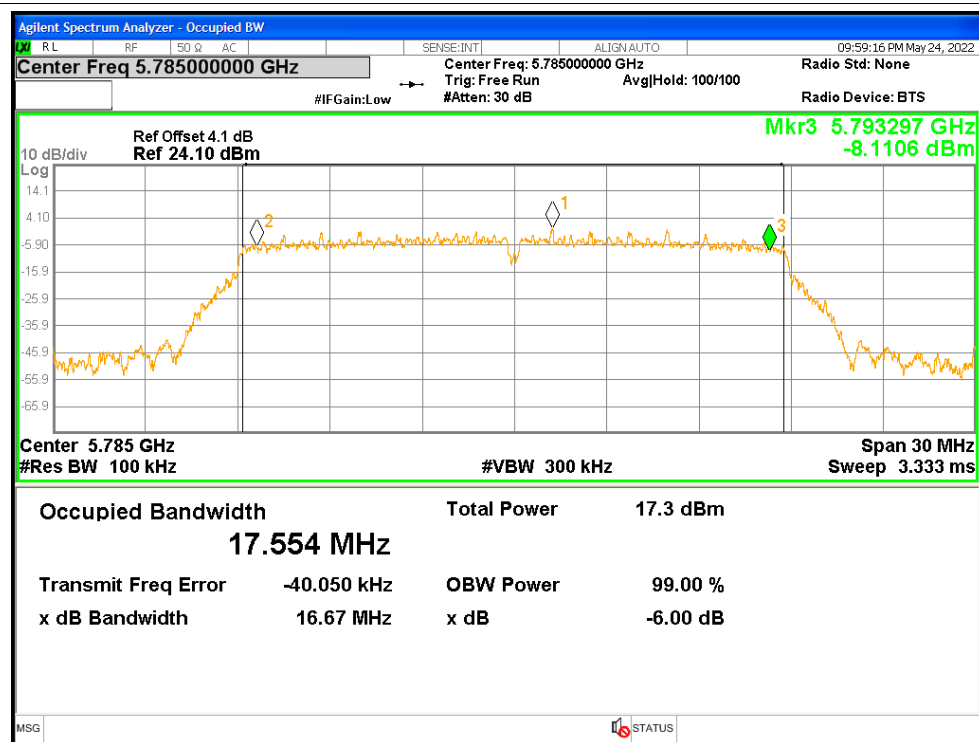
-6dB Bandwidth NVNT a 5785MHz Ant1

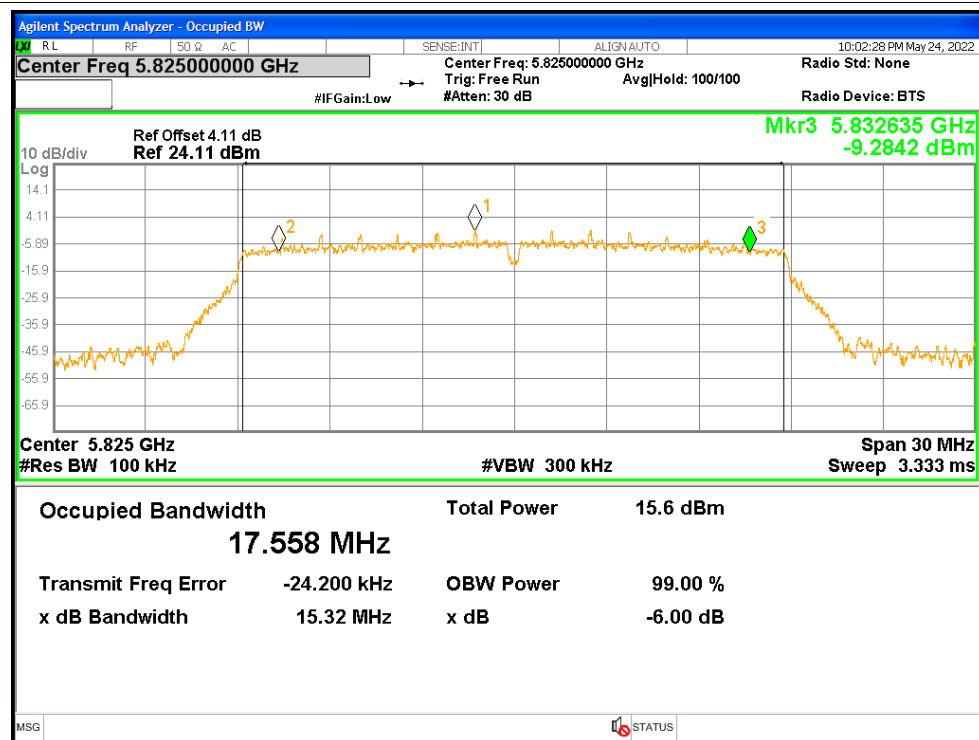
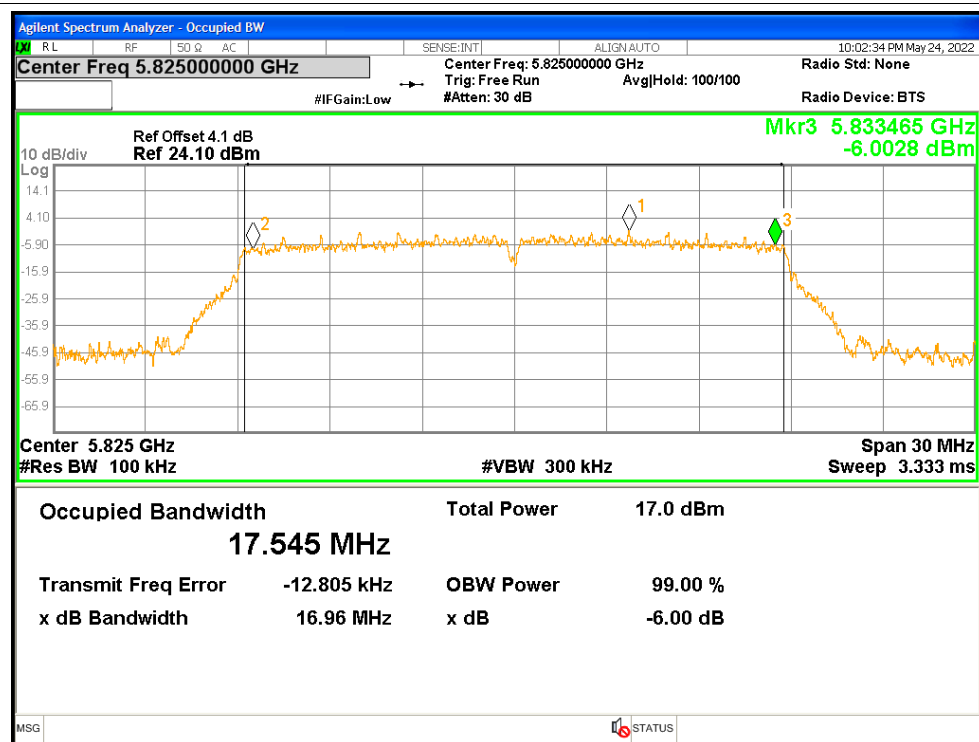


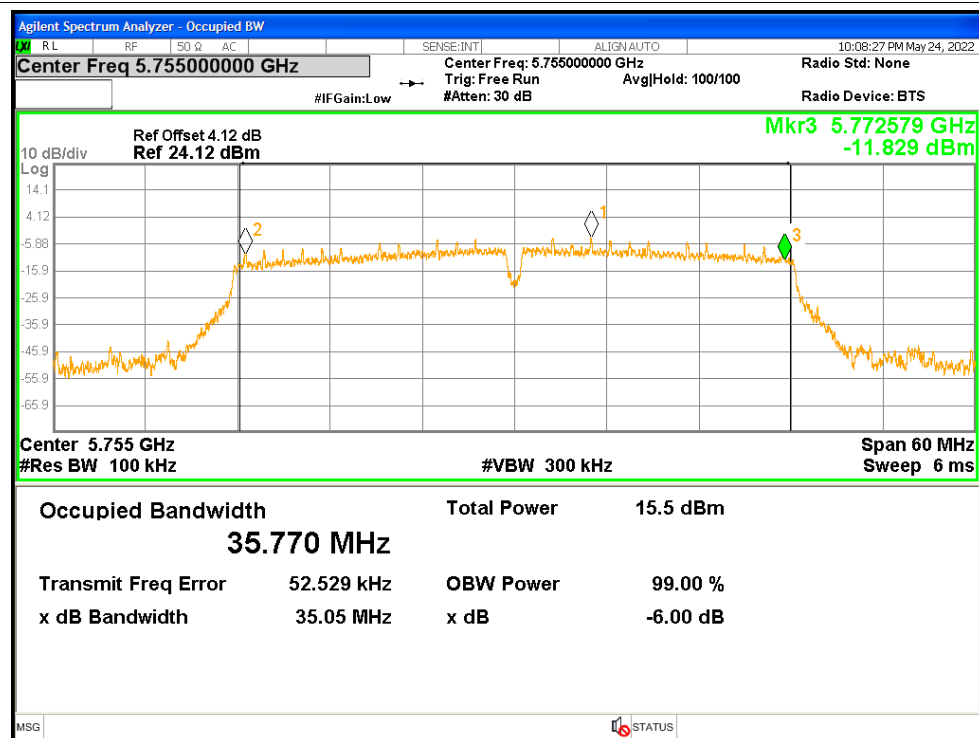
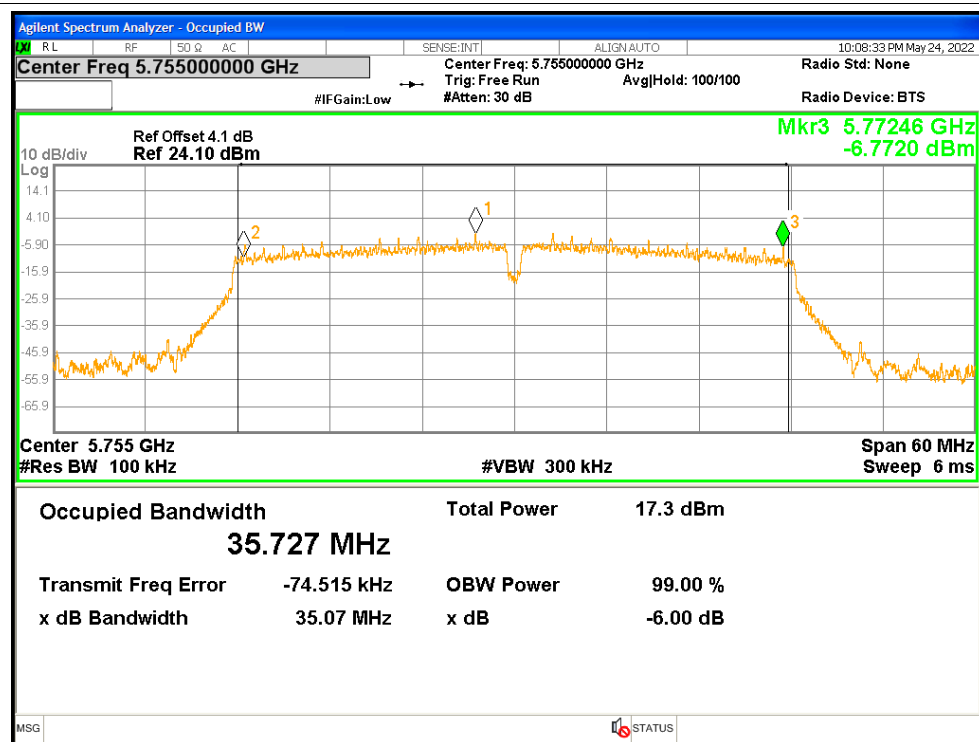
-6dB Bandwidth NVNT a 5825MHz Ant1**-6dB Bandwidth NVNT a 5745MHz Ant2**

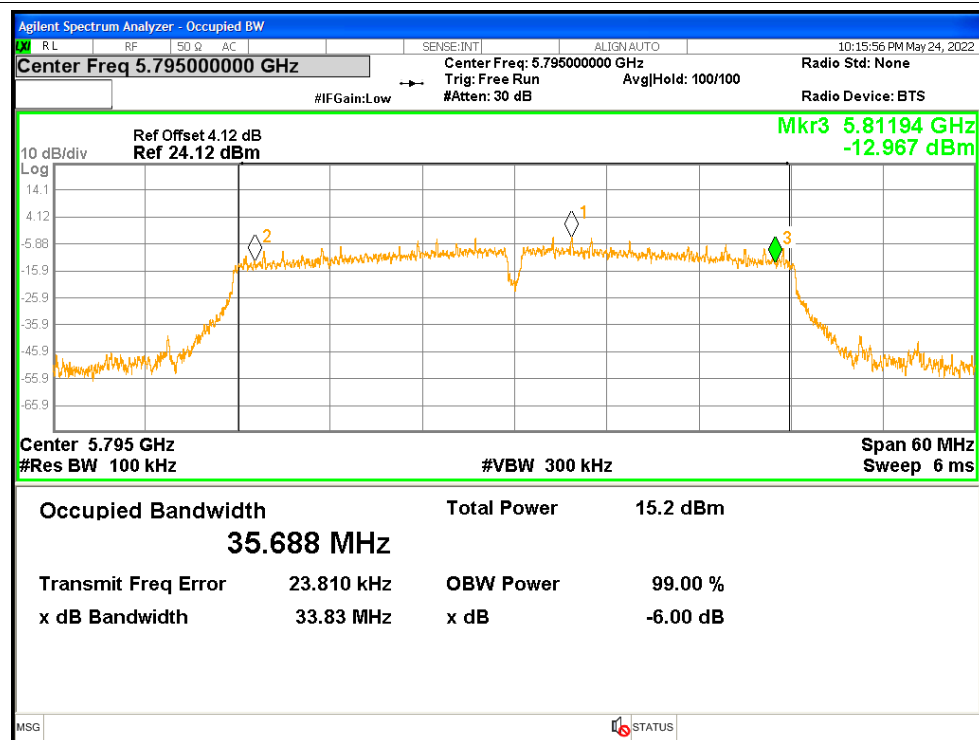
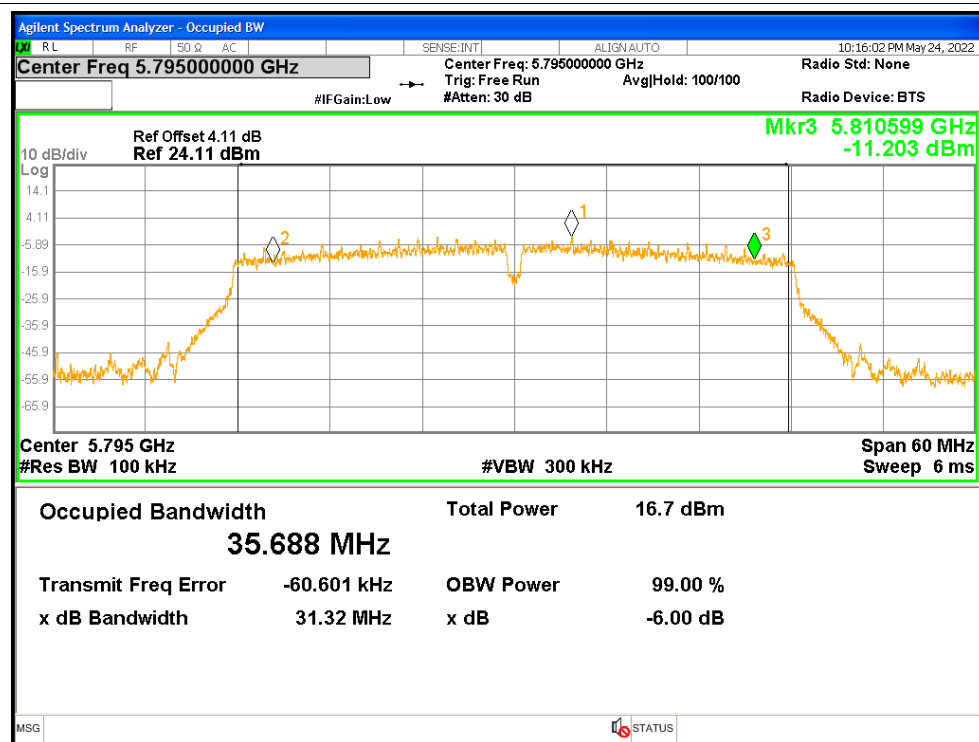
-6dB Bandwidth NVNT a 5785MHz Ant2**-6dB Bandwidth NVNT a 5825MHz Ant2**

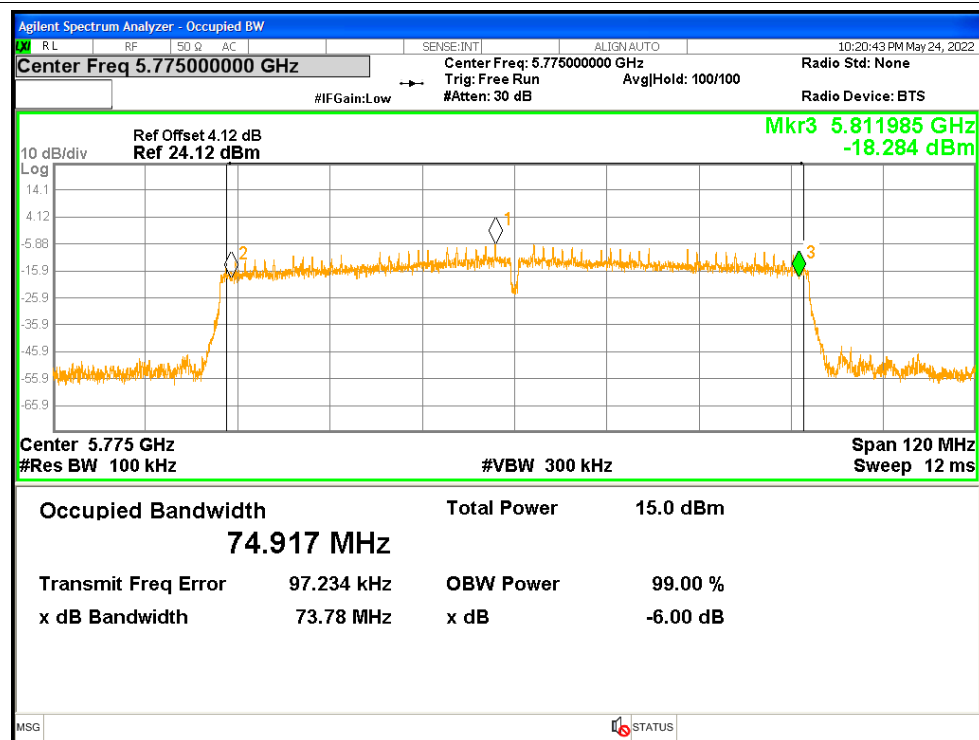
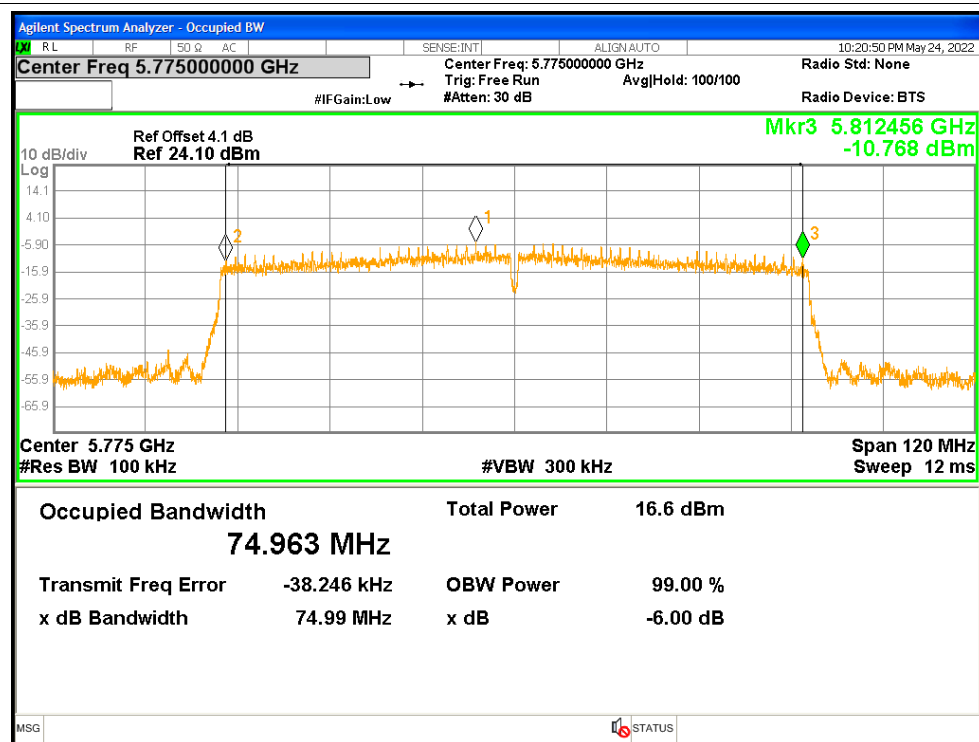
-6dB Bandwidth NVNT ac20 5745MHz Ant1**-6dB Bandwidth NVNT ac20 5745MHz Ant2**

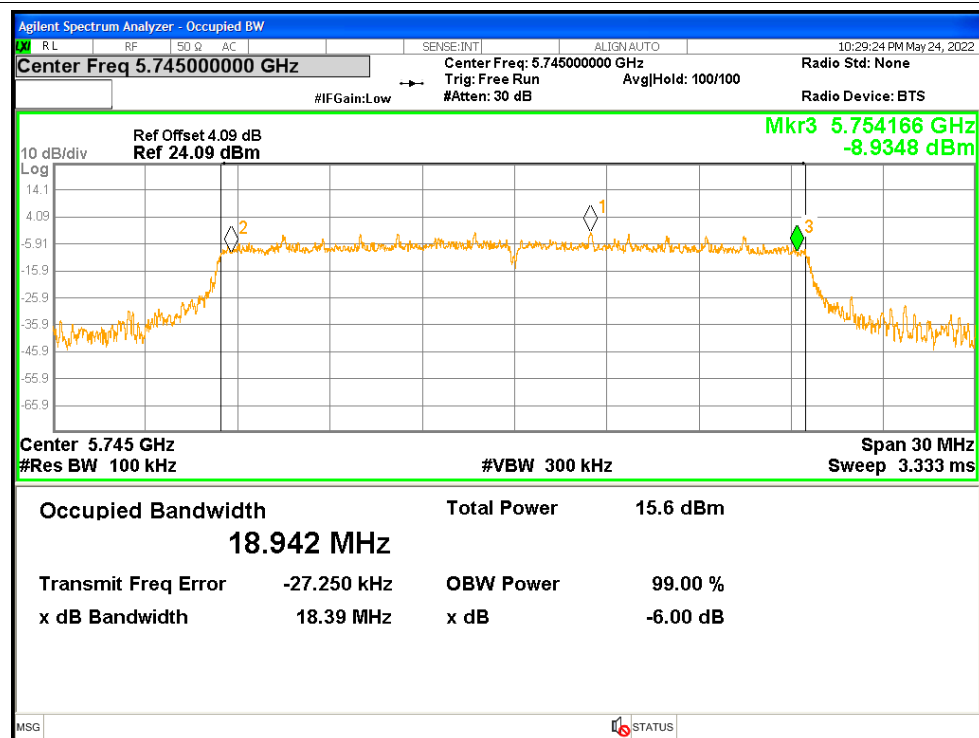
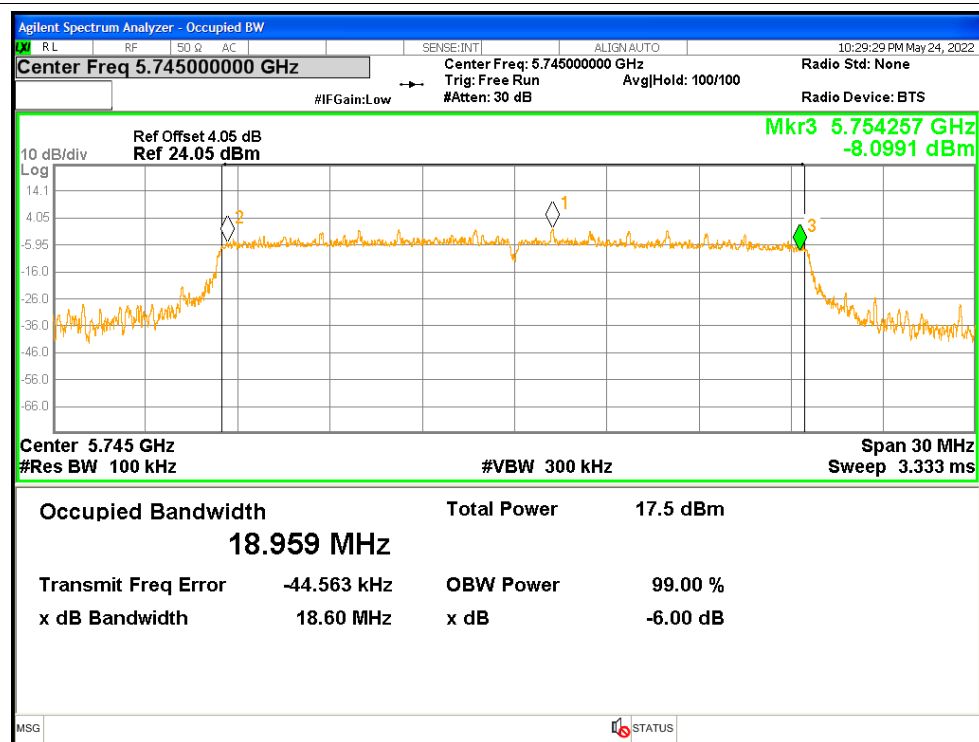
-6dB Bandwidth NVNT ac20 5785MHz Ant1**-6dB Bandwidth NVNT ac20 5785MHz Ant2**

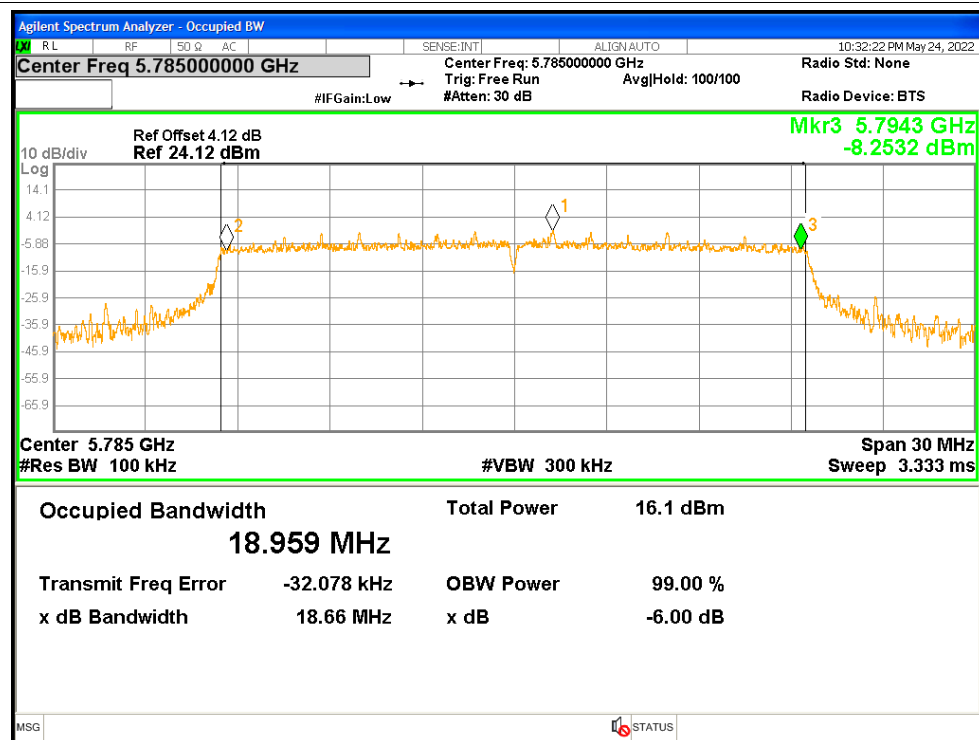
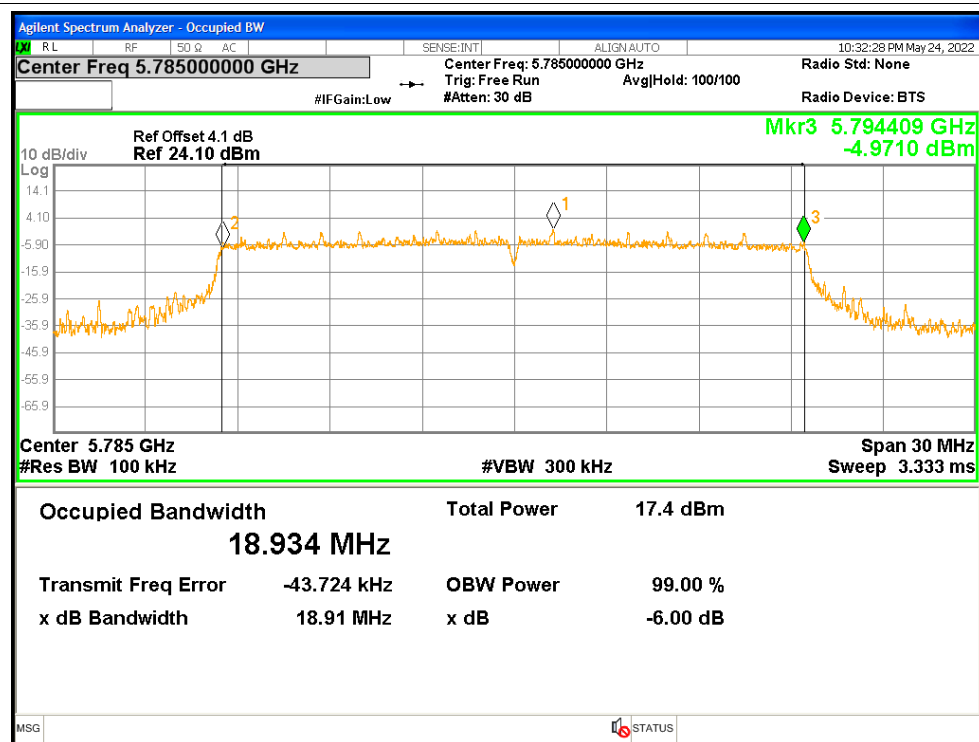
-6dB Bandwidth NVNT ac20 5825MHz Ant1**-6dB Bandwidth NVNT ac20 5825MHz Ant2**

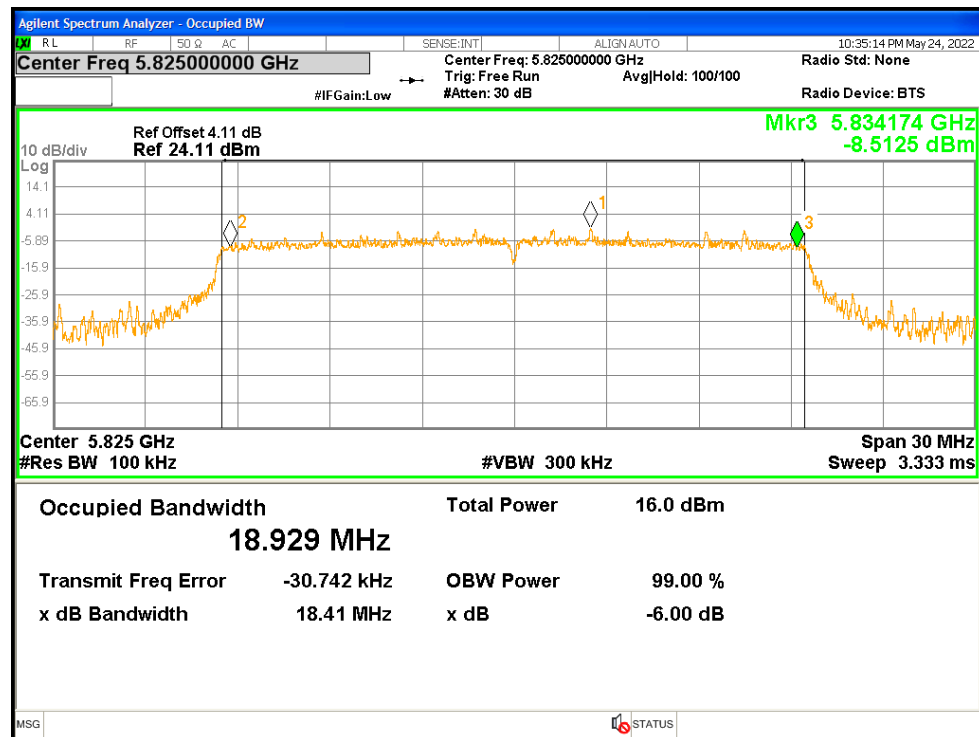
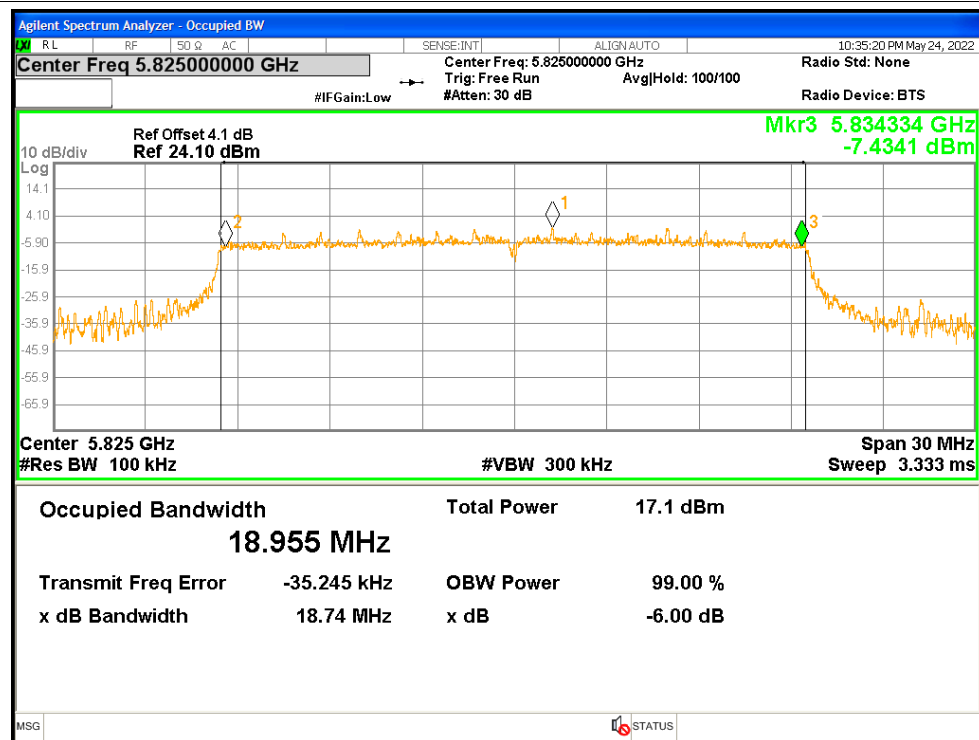
-6dB Bandwidth NVNT ac40 5755MHz Ant1**-6dB Bandwidth NVNT ac40 5755MHz Ant2**

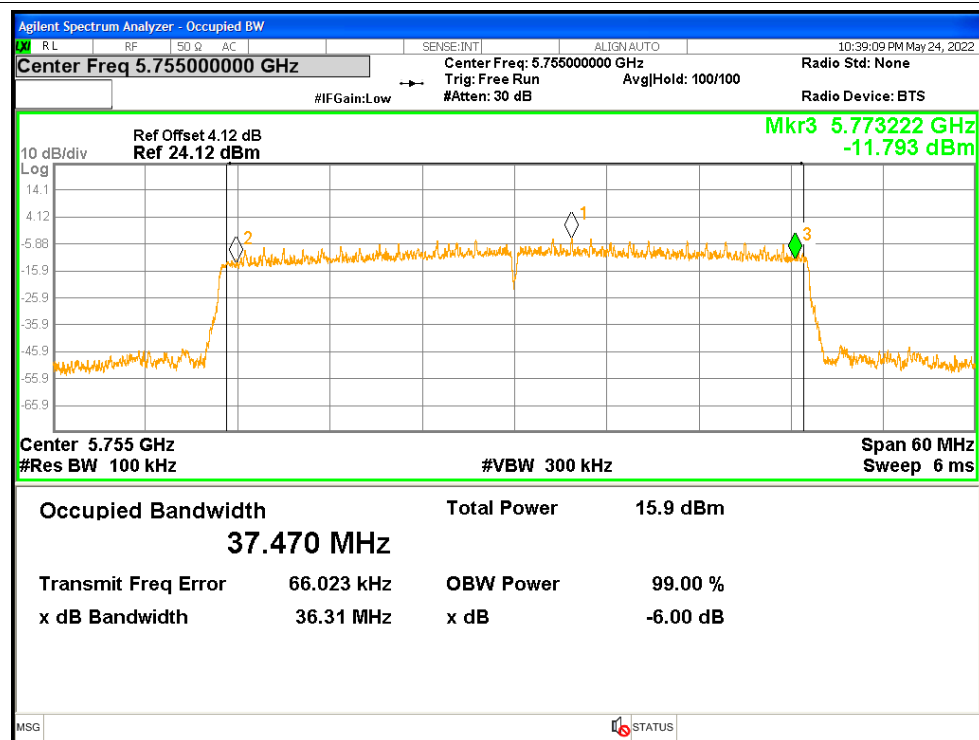
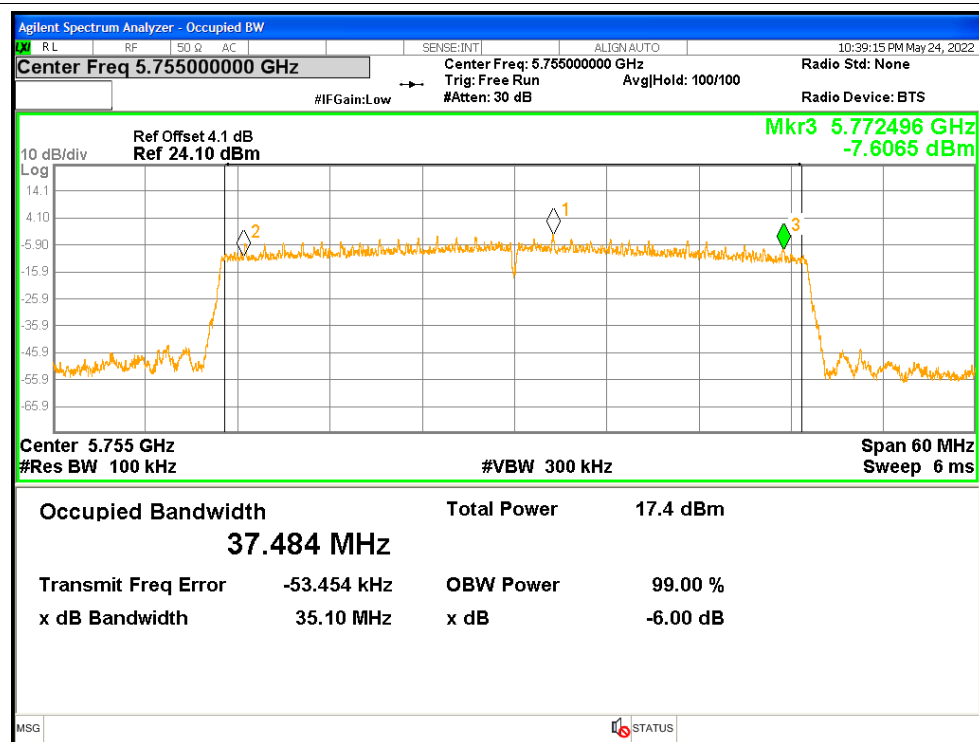
-6dB Bandwidth NVNT ac40 5795MHz Ant1**-6dB Bandwidth NVNT ac40 5795MHz Ant2**

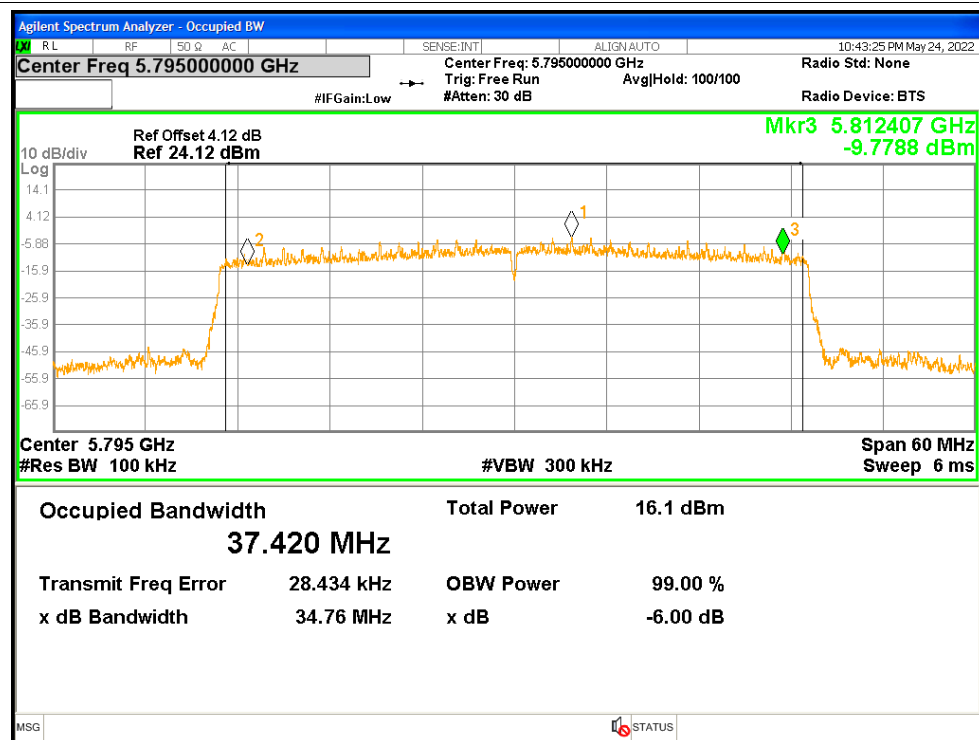
-6dB Bandwidth NVNT ac80 5775MHz Ant1**-6dB Bandwidth NVNT ac80 5775MHz Ant2**

-6dB Bandwidth NVNT ax20 5745MHz Ant1**-6dB Bandwidth NVNT ax20 5745MHz Ant2**

-6dB Bandwidth NVNT ax20 5785MHz Ant1**-6dB Bandwidth NVNT ax20 5785MHz Ant2**

-6dB Bandwidth NVNT ax20 5825MHz Ant1**-6dB Bandwidth NVNT ax20 5825MHz Ant2**

-6dB Bandwidth NVNT ax40 5755MHz Ant1**-6dB Bandwidth NVNT ax40 5755MHz Ant2**

-6dB Bandwidth NVNT ax40 5795MHz Ant1**-6dB Bandwidth NVNT ax40 5795MHz Ant2**