

Appendix B for 5GWIFI Test Data

Product Name: LAPTOP

Test Model: BL15CA1

Environmental Conditions

Temperature:	23.8℃
Relative Humidity:	52%
ATM Pressure:	101.0 kPa
Test Engineer:	Leon Li
Supervised by:	Baret Wu



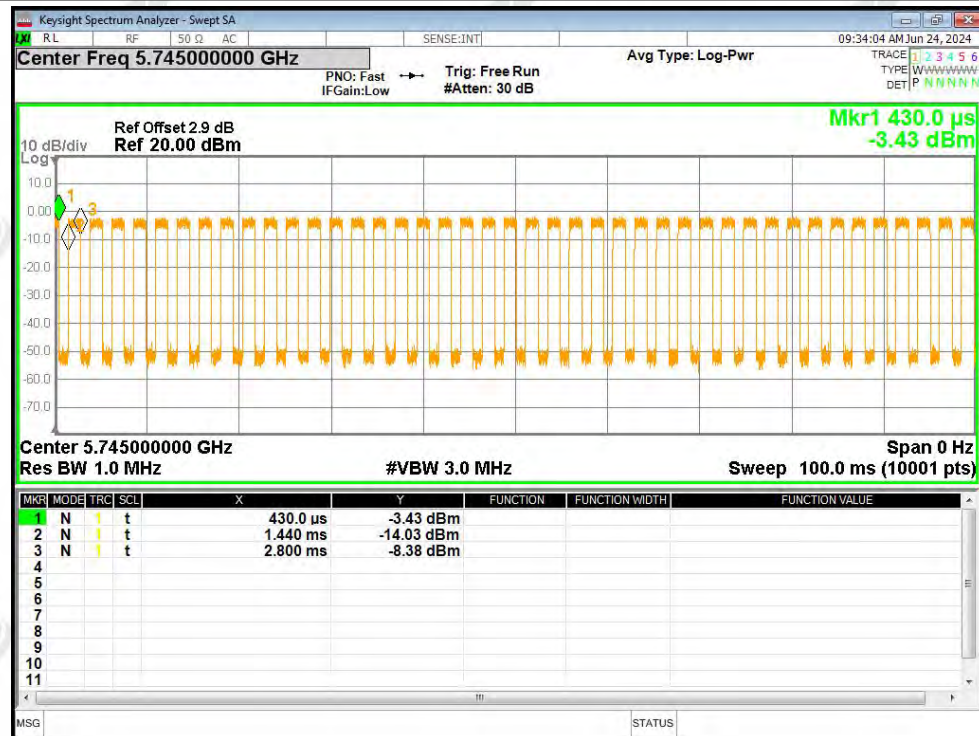
B1. Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	57.38	2.41	0.74
NVNT	a	5785	Ant1	57.38	2.41	0.74
NVNT	a	5825	Ant1	57.63	2.39	0.74
NVNT	a	5745	Ant2	57.81	2.38	0.73
NVNT	a	5785	Ant2	57.63	2.39	0.74
NVNT	a	5825	Ant2	57.63	2.39	0.74
NVNT	n20	5745	Ant1	55.95	2.52	0.79
NVNT	n20	5785	Ant1	55.95	2.52	0.79
NVNT	n20	5825	Ant1	55.7	2.54	0.79
NVNT	n20	5745	Ant2	55.7	2.54	0.79
NVNT	n20	5785	Ant2	55.95	2.52	0.79
NVNT	n20	5825	Ant2	55.7	2.54	0.79
NVNT	n40	5755	Ant1	39.02	4.09	1.56
NVNT	n40	5795	Ant1	39.02	4.09	1.56
NVNT	n40	5755	Ant2	38.65	4.13	1.59
NVNT	n40	5795	Ant2	38.65	4.13	1.59
NVNT	ac20	5745	Ant1	55.9	2.53	0.78
NVNT	ac20	5785	Ant1	56.14	2.51	0.78
NVNT	ac20	5825	Ant1	56.14	2.51	0.78
NVNT	ac20	5745	Ant2	55.7	2.54	0.79
NVNT	ac20	5785	Ant2	56.14	2.51	0.78
NVNT	ac20	5825	Ant2	55.7	2.54	0.79
NVNT	ac40	5755	Ant1	39.02	4.09	1.56
NVNT	ac40	5795	Ant1	38.41	4.16	1.59
NVNT	ac40	5755	Ant2	38.79	4.11	1.56
NVNT	ac40	5795	Ant2	39.02	4.09	1.56
NVNT	ac80	5775	Ant1	24.24	6.15	3.12
NVNT	ac80	5775	Ant2	24.24	6.15	3.12

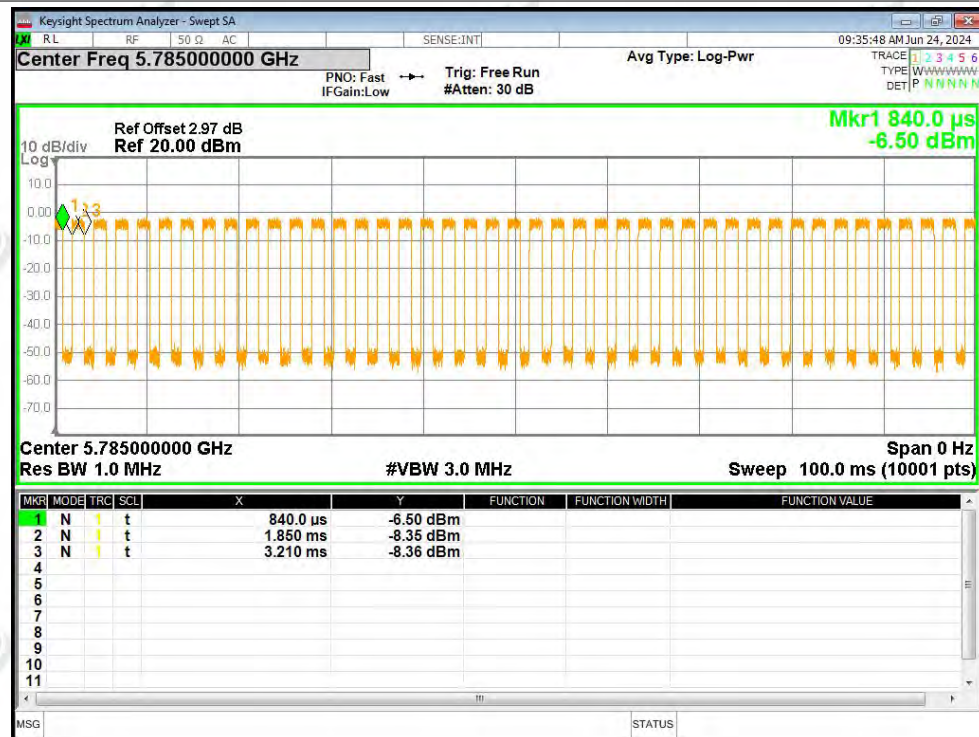


Test Graphs

Duty Cycle NVNT a 5745MHz Ant1



Duty Cycle NVNT a 5785MHz Ant1



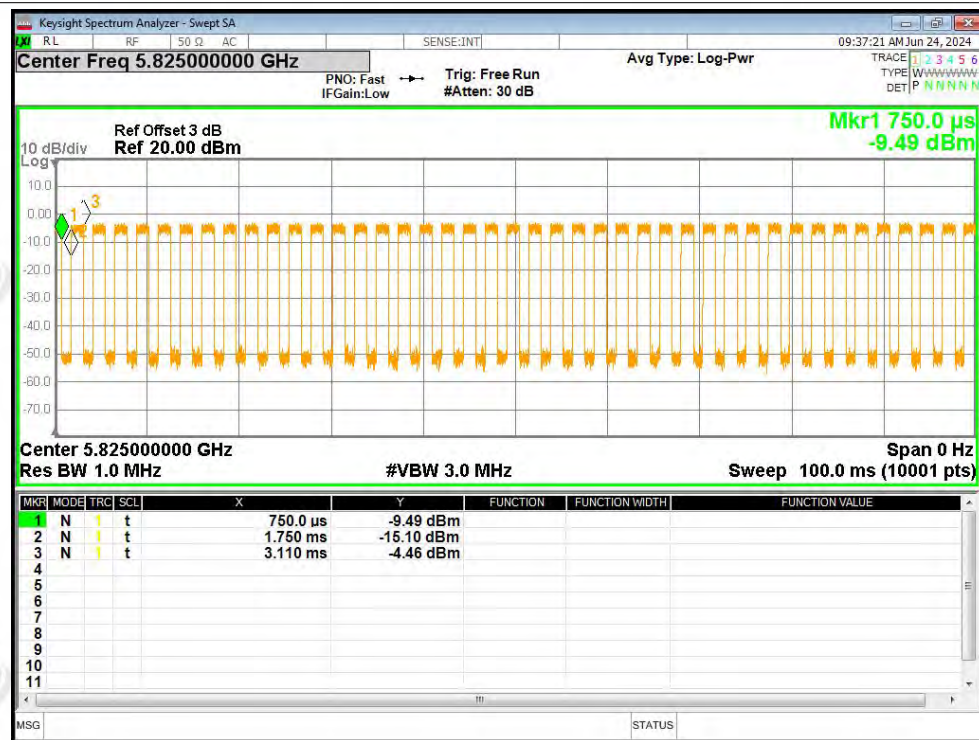


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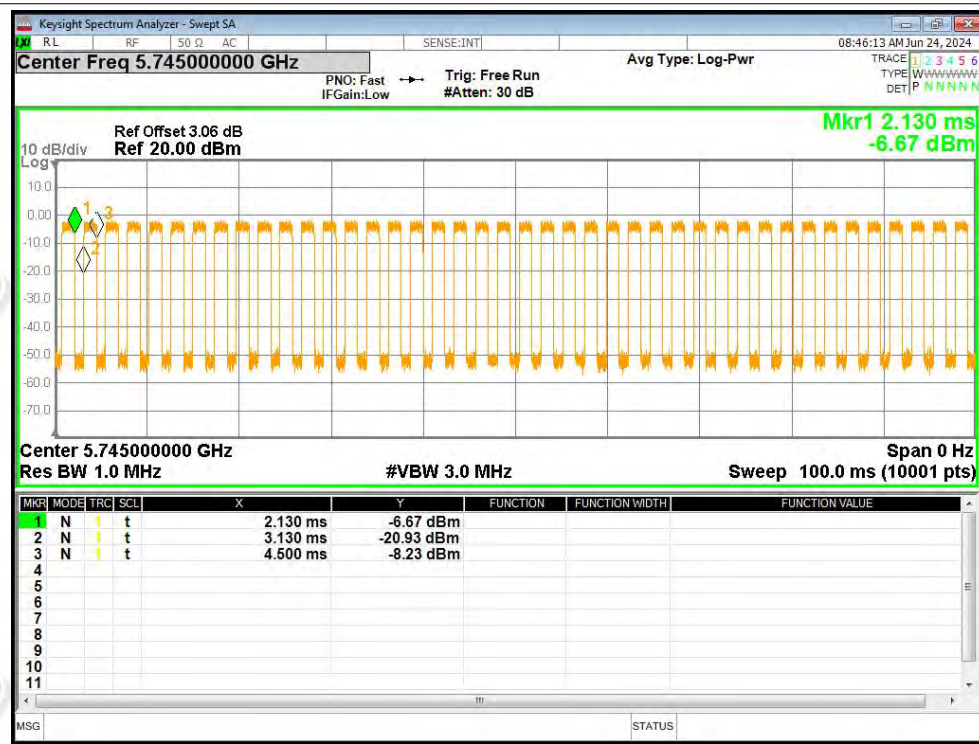
FCC ID: 2BHAF-BL15CA1

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Duty Cycle NVNT a 5825MHz Ant1

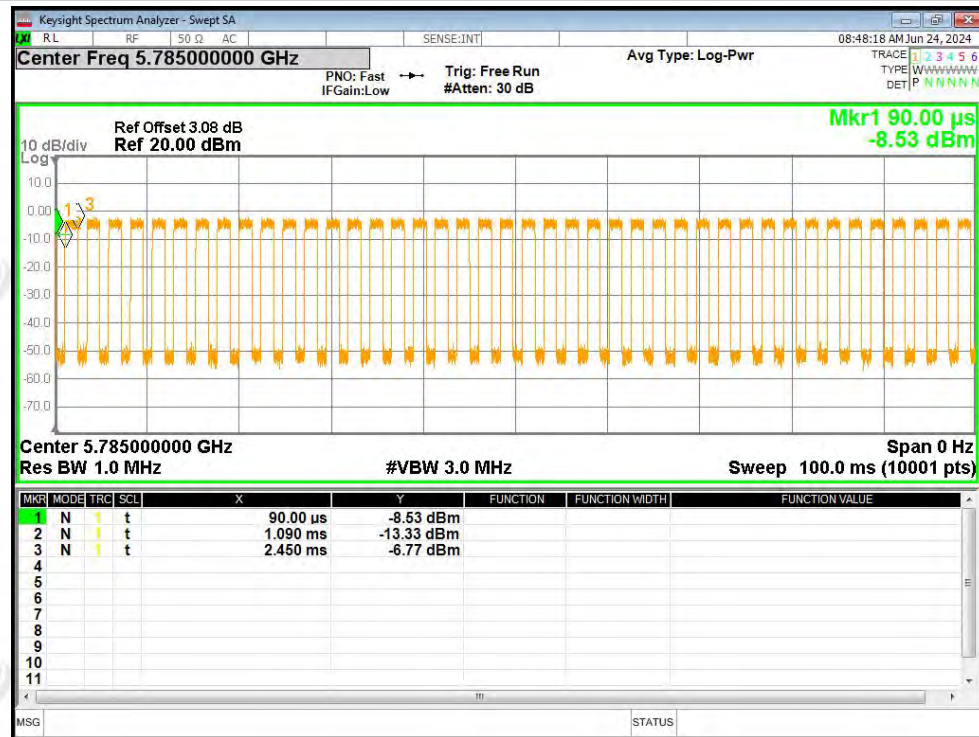


Duty Cycle NVNT a 5745MHz Ant2

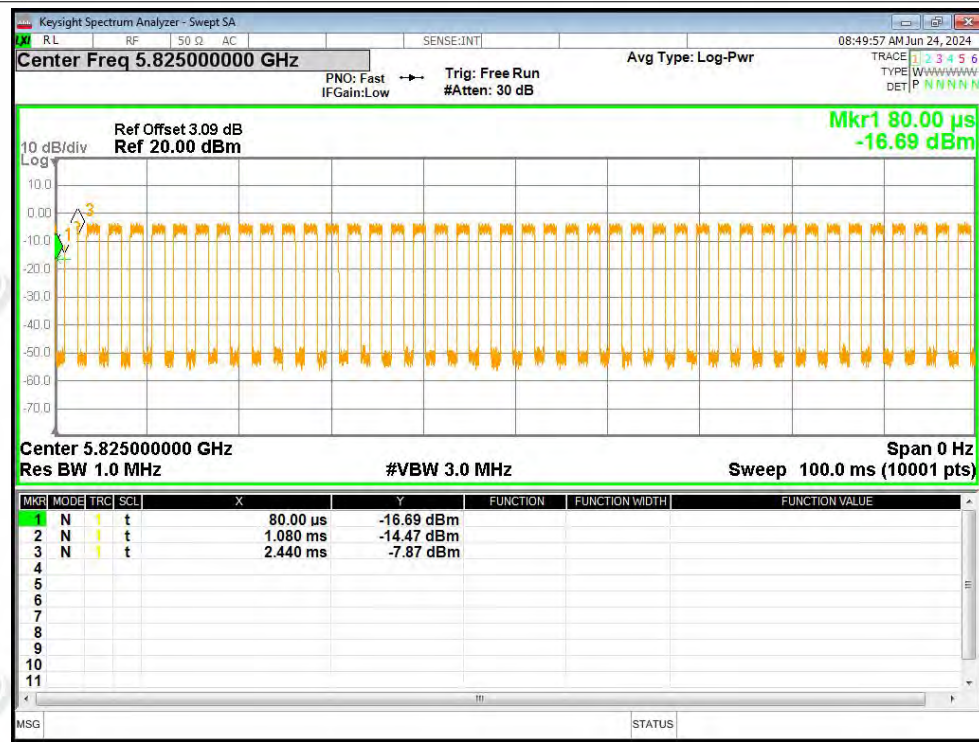




Duty Cycle NVNT a 5785MHz Ant2



Duty Cycle NVNT a 5825MHz Ant2

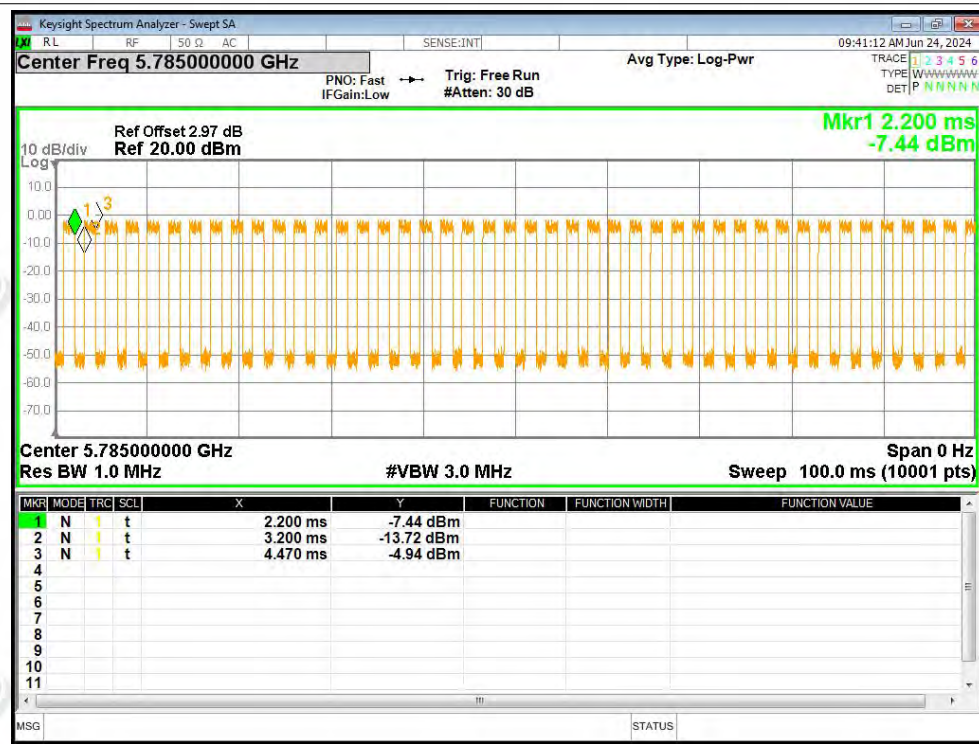




Duty Cycle NVNT n20 5745MHz Ant1

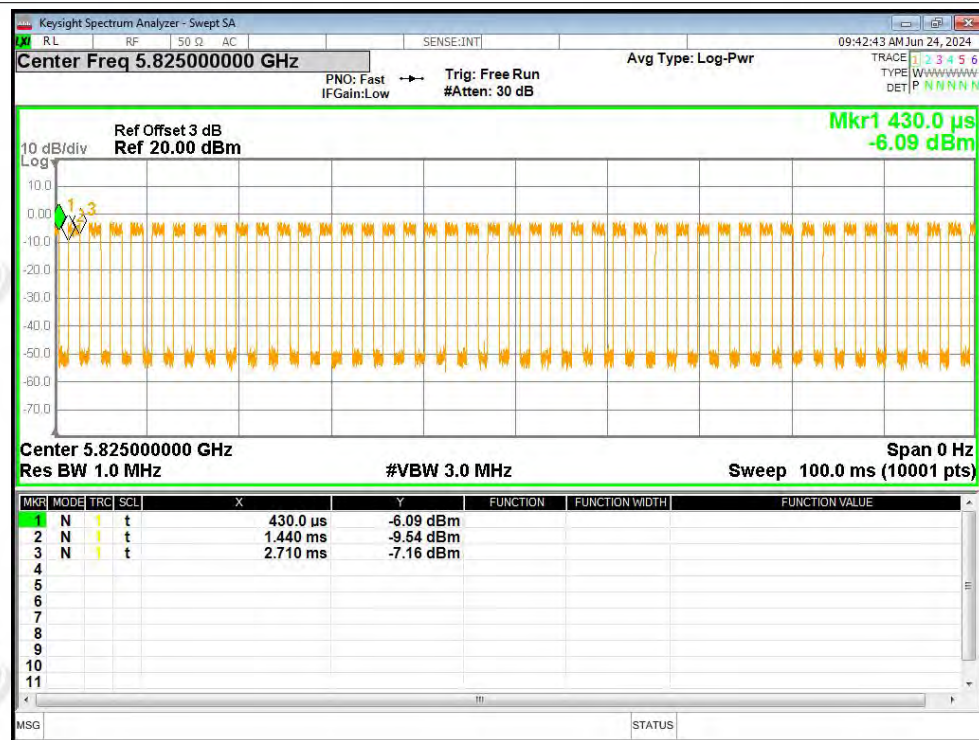


Duty Cycle NVNT n20 5785MHz Ant1





Duty Cycle NVNT n20 5825MHz Ant1

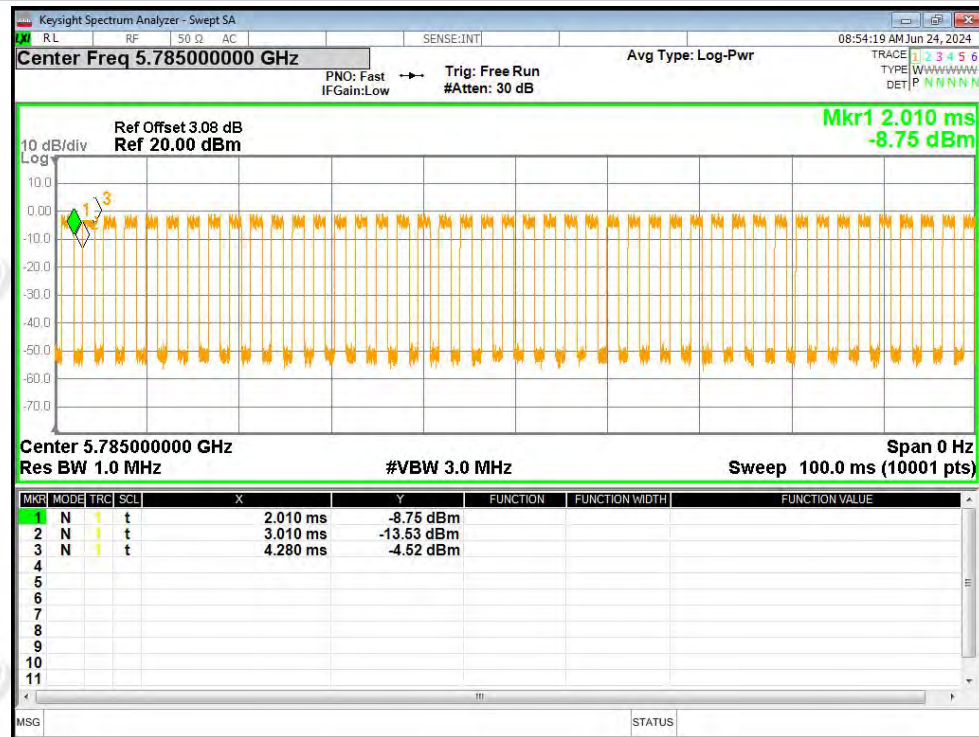


Duty Cycle NVNT n20 5745MHz Ant2

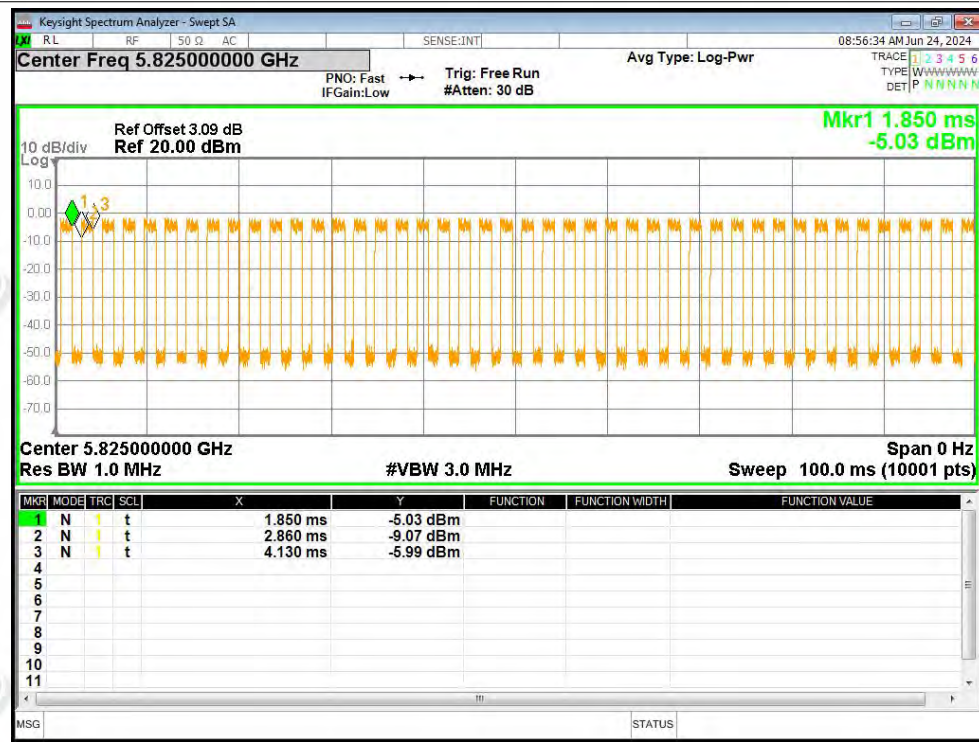




Duty Cycle NVNT n20 5785MHz Ant2



Duty Cycle NVNT n20 5825MHz Ant2





Duty Cycle NVNT n40 5755MHz Ant1

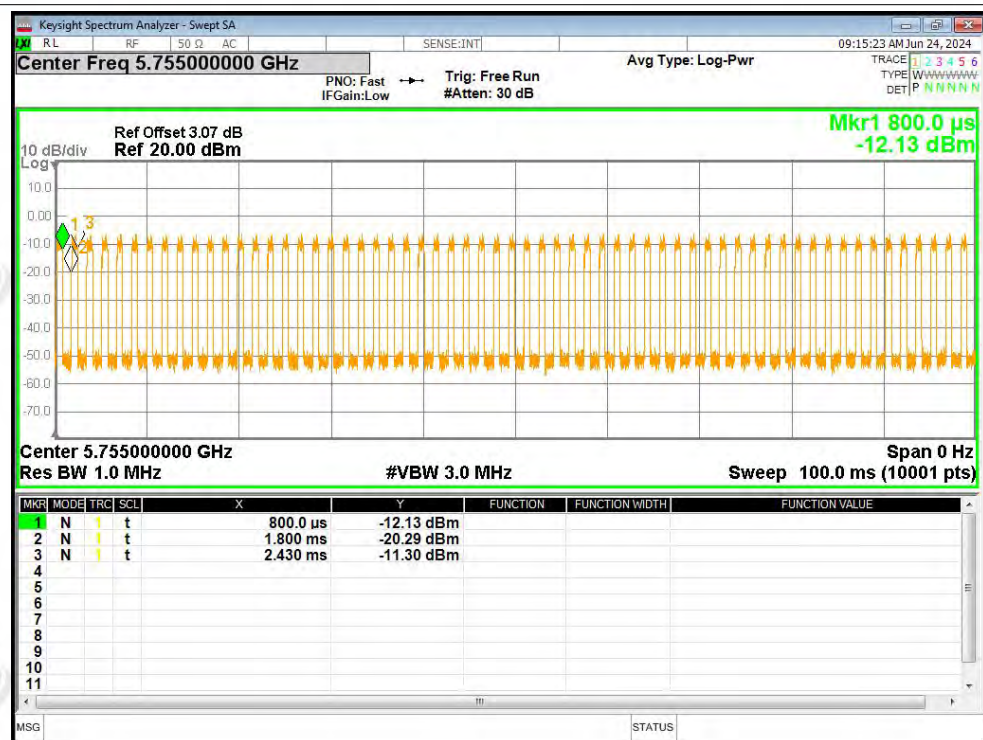


Duty Cycle NVNT n40 5795MHz Ant1

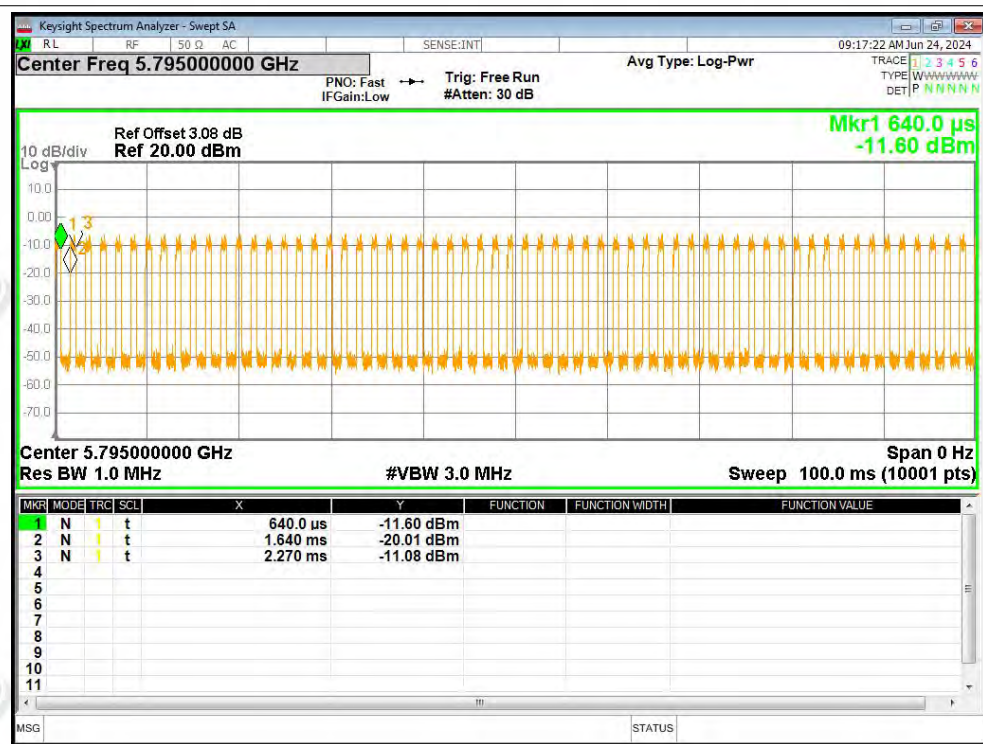




Duty Cycle NVNT n40 5755MHz Ant2

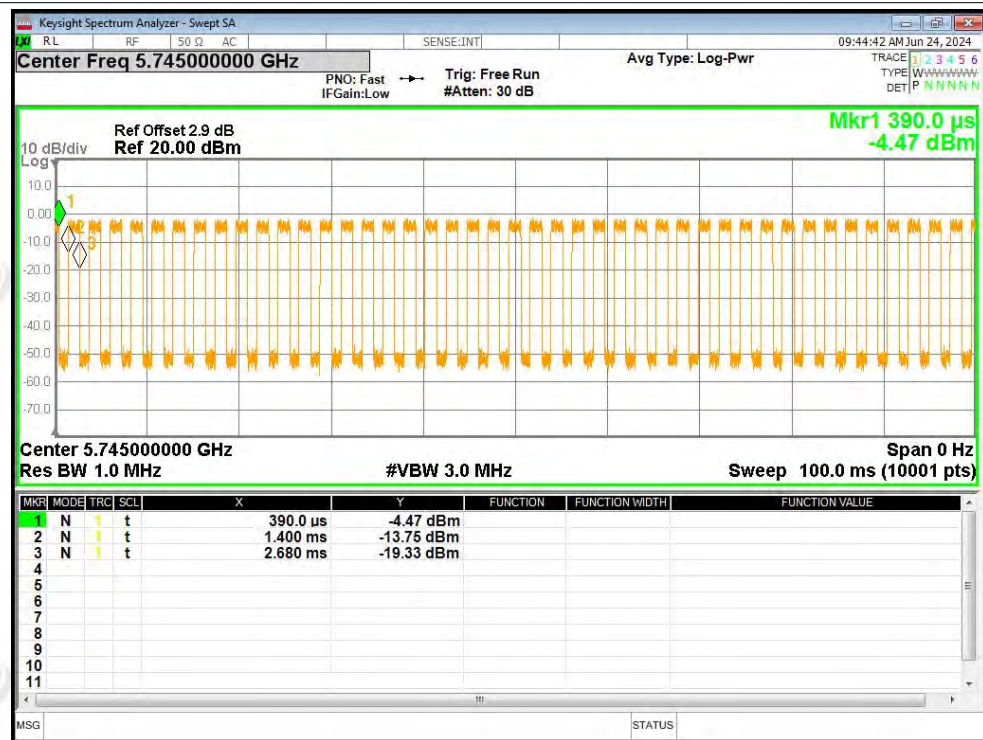


Duty Cycle NVNT n40 5795MHz Ant2

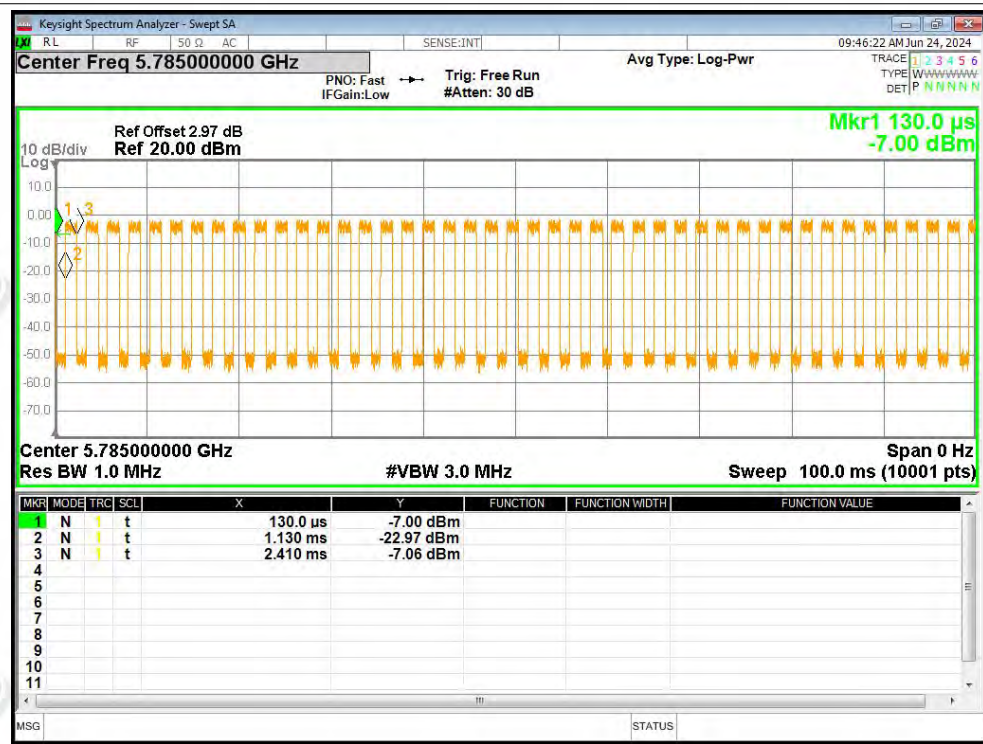




Duty Cycle NVNT ac20 5745MHz Ant1

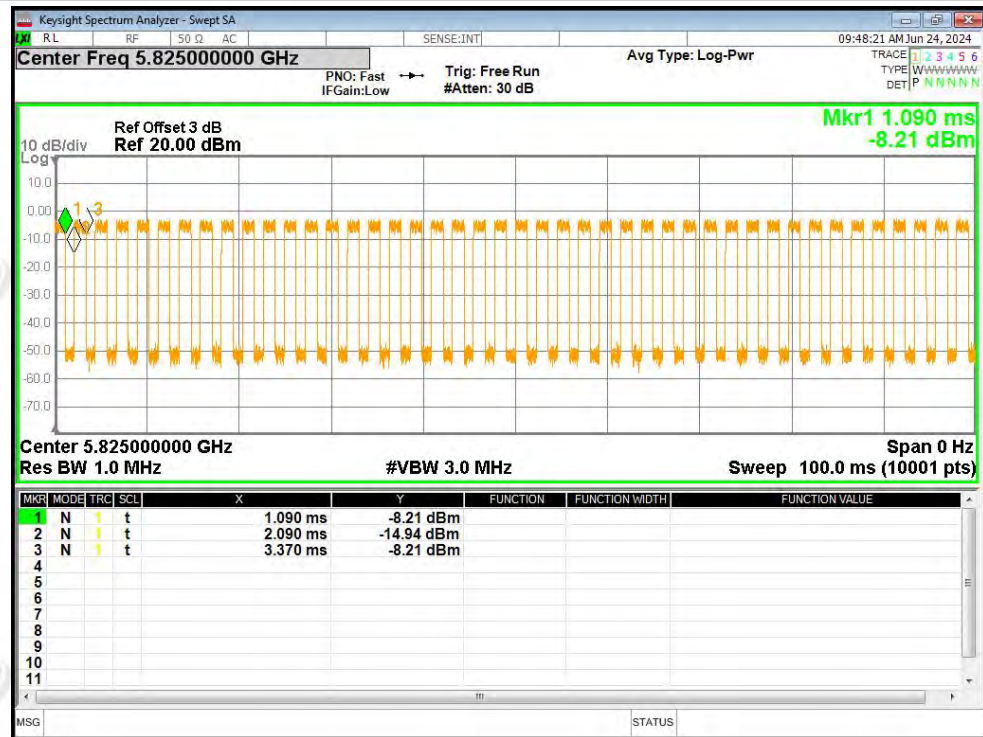


Duty Cycle NVNT ac20 5785MHz Ant1

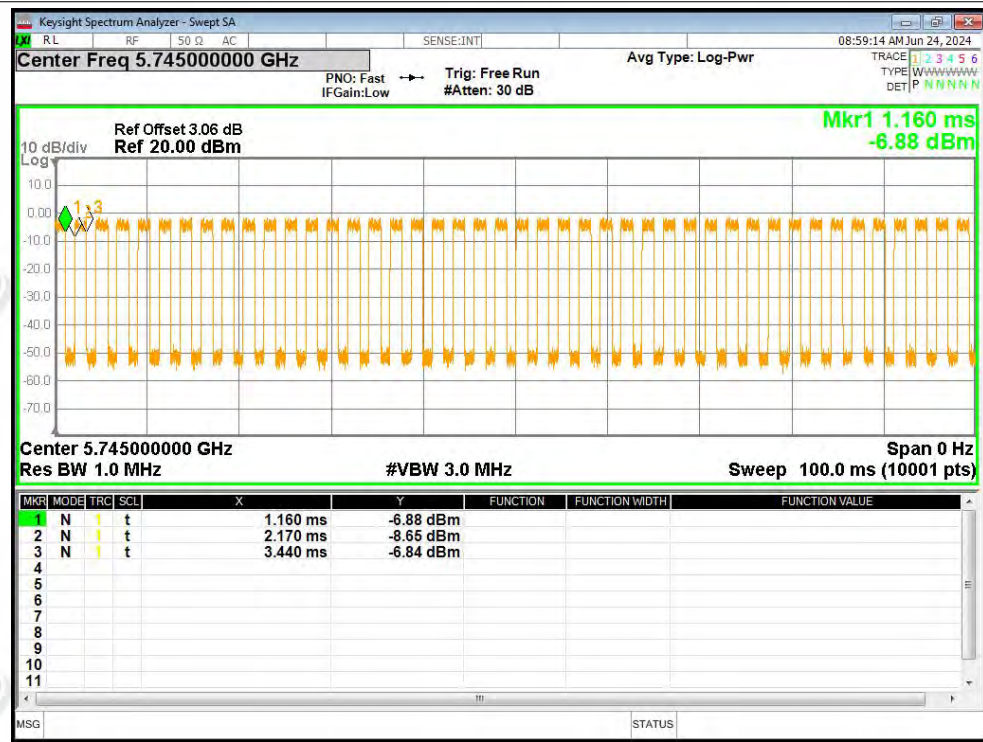




Duty Cycle NVNT ac20 5825MHz Ant1

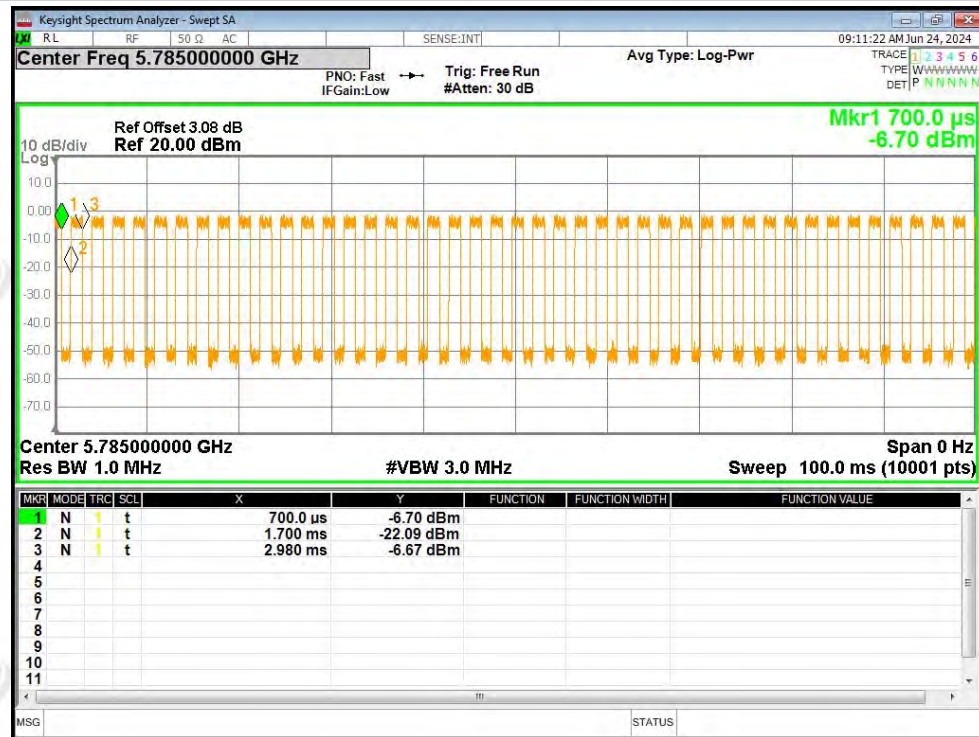


Duty Cycle NVNT ac20 5745MHz Ant2

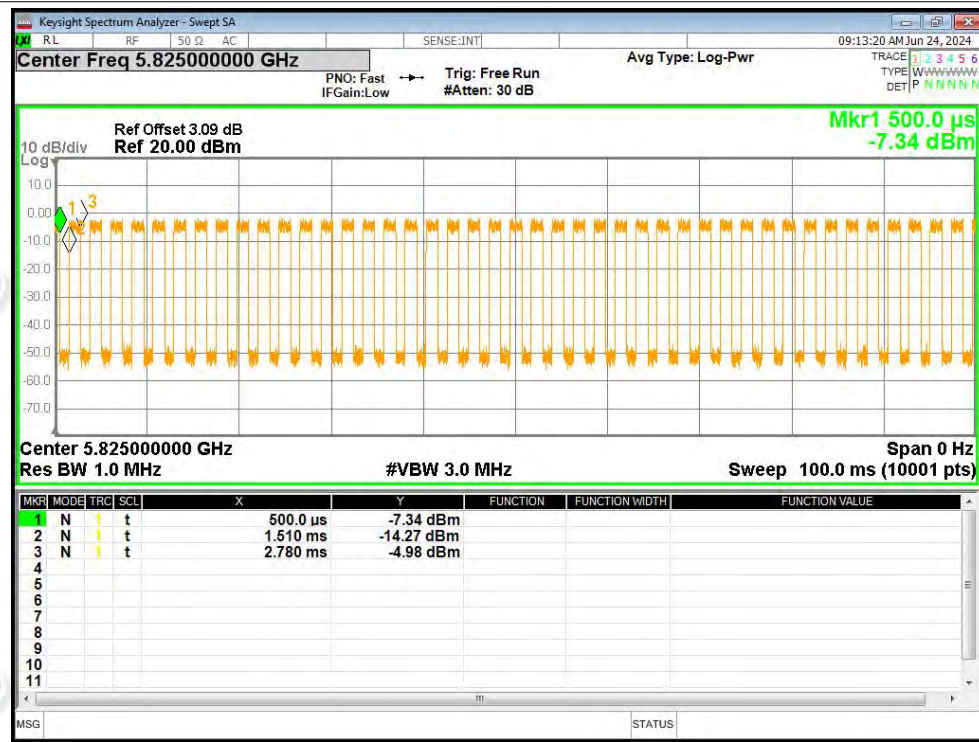




Duty Cycle NVNT ac20 5785MHz Ant2



Duty Cycle NVNT ac20 5825MHz Ant2





Duty Cycle NVNT ac40 5755MHz Ant1



Duty Cycle NVNT ac40 5795MHz Ant1





Duty Cycle NVNT ac40 5755MHz Ant2



Duty Cycle NVNT ac40 5795MHz Ant2

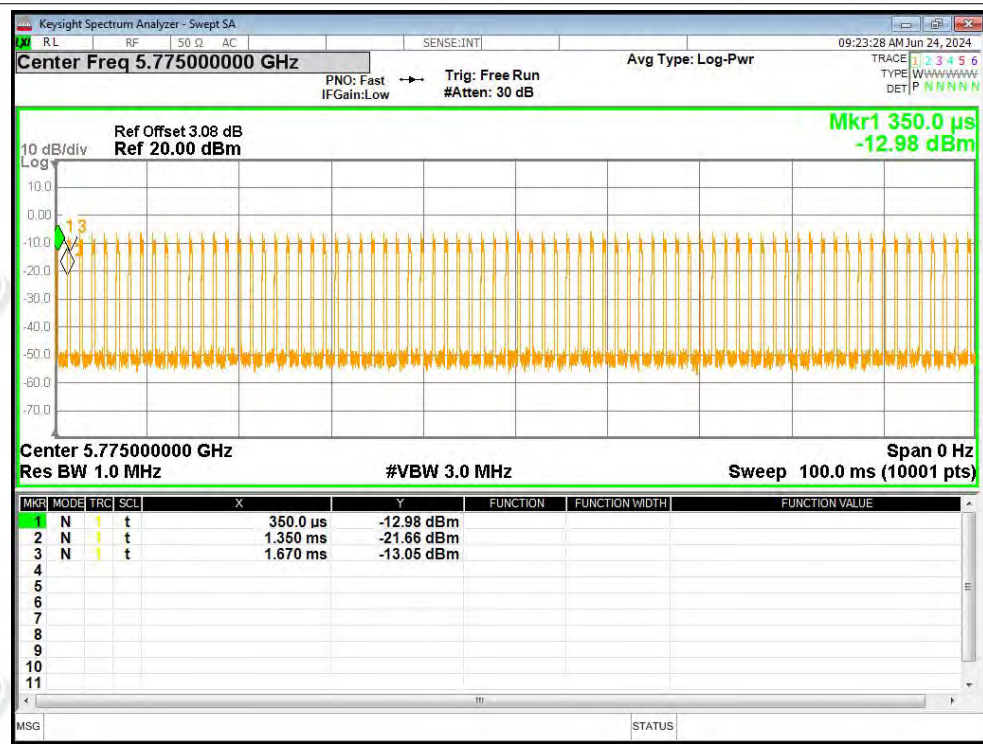




Duty Cycle NVNT ac80 5775MHz Ant1



Duty Cycle NVNT ac80 5775MHz Ant2



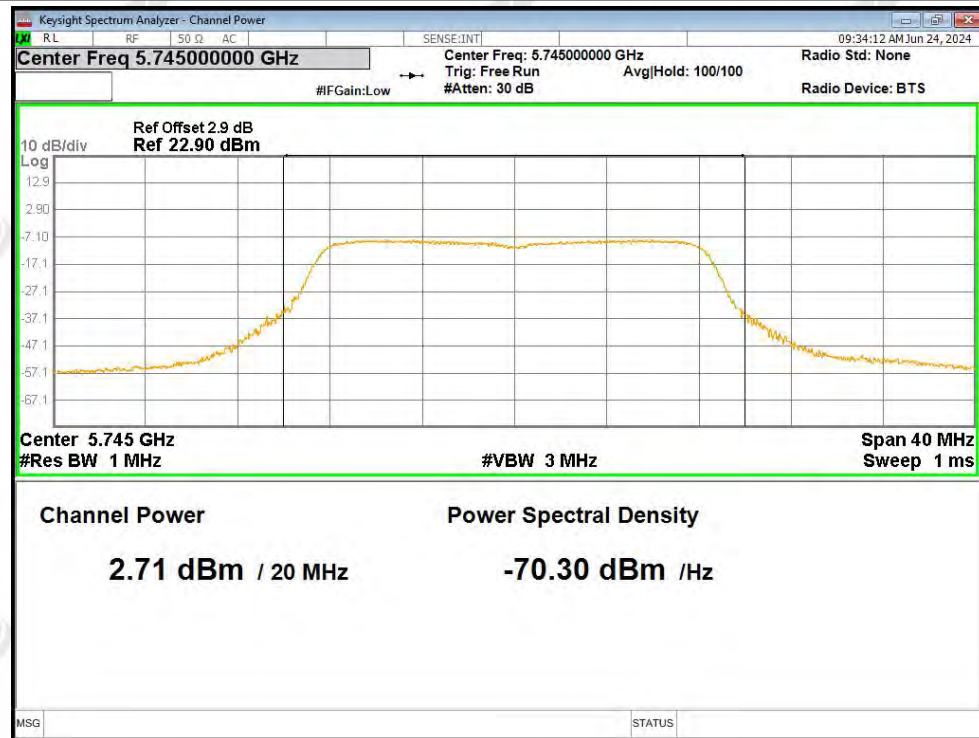
**ZHONGHAN****B2. Maximum Conducted Output Power**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	2.71	2.41	5.12	30	Pass
NVNT	a	5785	Ant1	2.79	2.41	5.2	30	Pass
NVNT	a	5825	Ant1	1.3	2.39	3.69	30	Pass
NVNT	a	5745	Ant2	2.38	2.38	4.76	30	Pass
NVNT	a	5785	Ant2	1.93	2.39	4.32	30	Pass
NVNT	a	5825	Ant2	0.26	2.39	2.65	30	Pass
NVNT	n20	5745	Ant1	1.5	2.52	4.02	30	Pass
NVNT	n20	5785	Ant1	1.6	2.52	4.12	30	Pass
NVNT	n20	5825	Ant1	0.65	2.54	3.19	30	Pass
NVNT	n20	5745	Ant2	1.45	2.54	3.99	30	Pass
NVNT	n20	5785	Ant2	1.93	2.52	4.45	30	Pass
NVNT	n20	5825	Ant2	1.59	2.54	4.13	30	Pass
NVNT	n40	5755	Ant1	1.04	4.09	5.13	30	Pass
NVNT	n40	5795	Ant1	0.31	4.09	4.4	30	Pass
NVNT	n40	5755	Ant2	0.3	4.13	4.43	30	Pass
NVNT	n40	5795	Ant2	0.95	4.13	5.08	30	Pass
NVNT	ac20	5745	Ant1	1.45	2.53	3.98	30	Pass
NVNT	ac20	5785	Ant1	1.46	2.51	3.97	30	Pass
NVNT	ac20	5825	Ant1	0.65	2.51	3.16	30	Pass
NVNT	ac20	5745	Ant2	2.11	2.54	4.65	30	Pass
NVNT	ac20	5785	Ant2	1.5	2.51	4.01	30	Pass
NVNT	ac20	5825	Ant2	1.29	2.54	3.83	30	Pass
NVNT	ac40	5755	Ant1	0.6	4.09	4.69	30	Pass
NVNT	ac40	5795	Ant1	0.75	4.16	4.91	30	Pass
NVNT	ac40	5755	Ant2	0.59	4.11	4.7	30	Pass
NVNT	ac40	5795	Ant2	0.91	4.09	5	30	Pass
NVNT	ac80	5775	Ant1	0.36	6.15	6.51	30	Pass
NVNT	ac80	5775	Ant2	-1.03	6.15	5.12	30	Pass

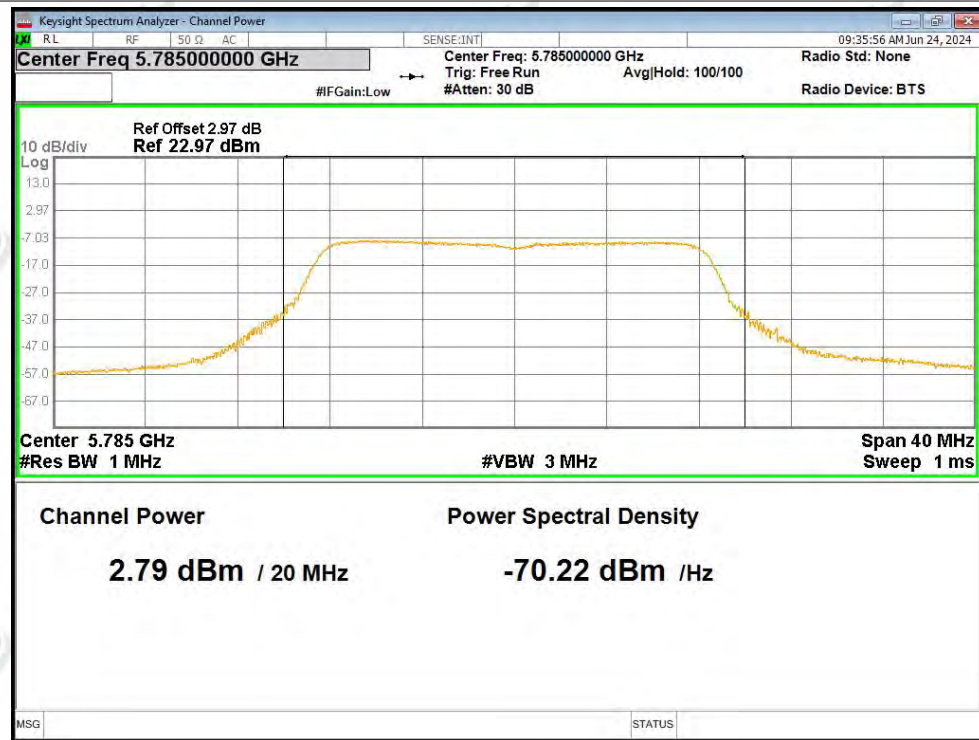


Test Graphs

Power NVNT a 5745MHz Ant1

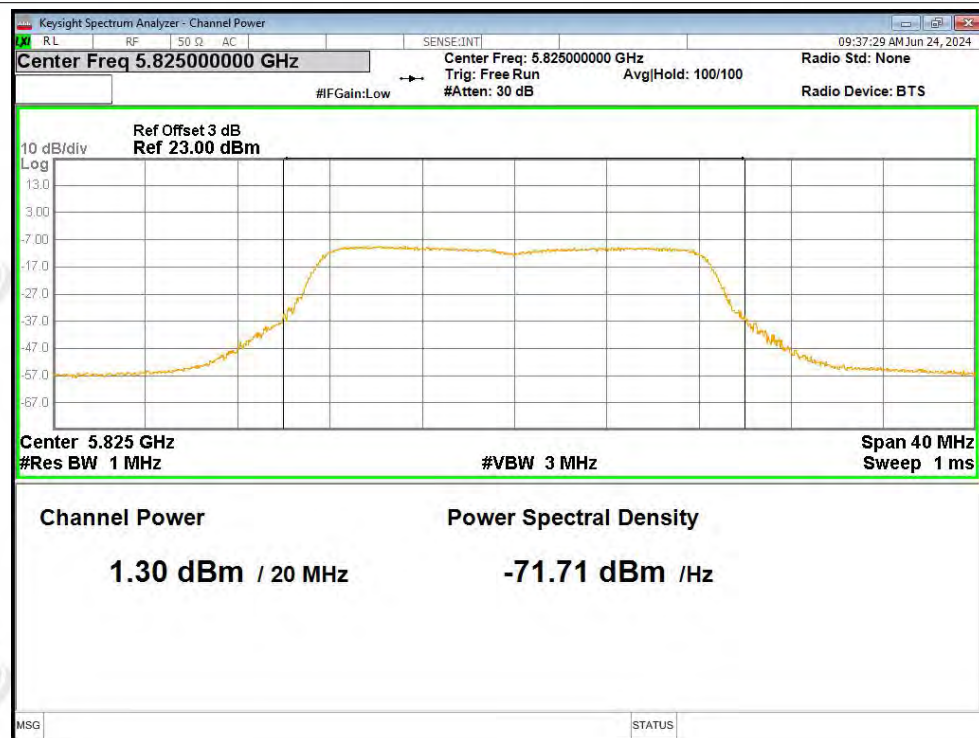


Power NVNT a 5785MHz Ant1

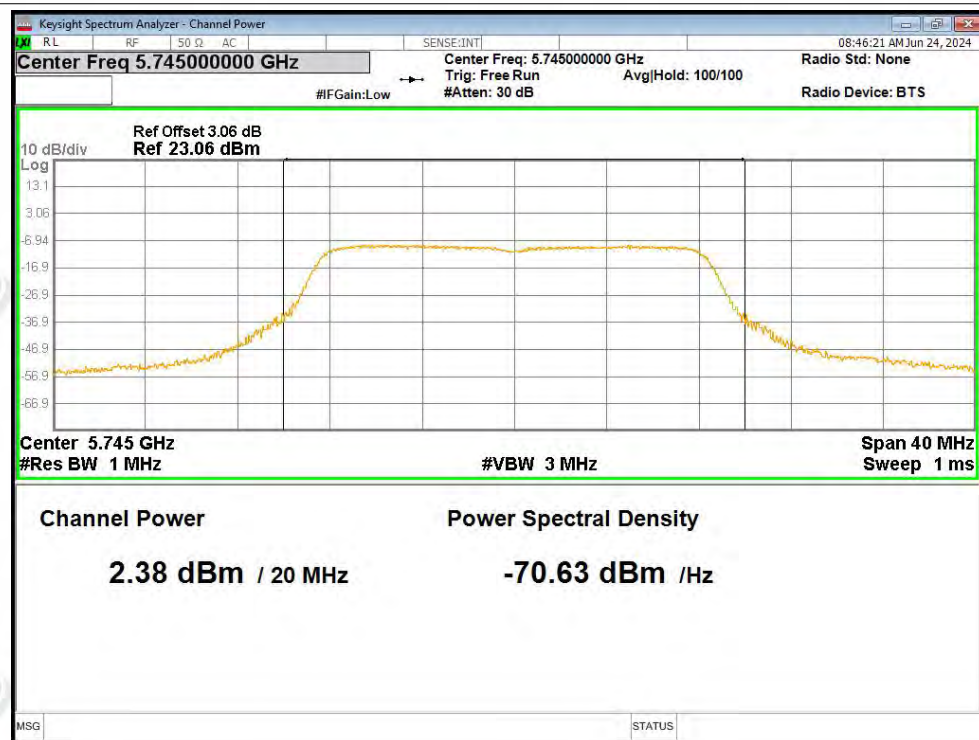




Power NVNT a 5825MHz Ant1

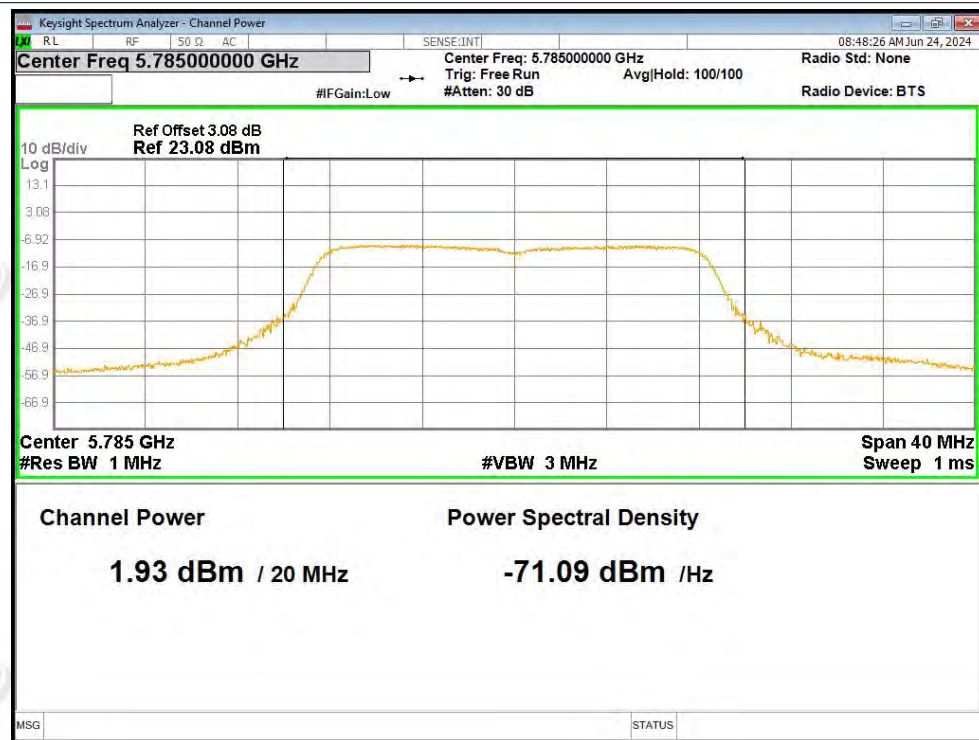


Power NVNT a 5745MHz Ant2

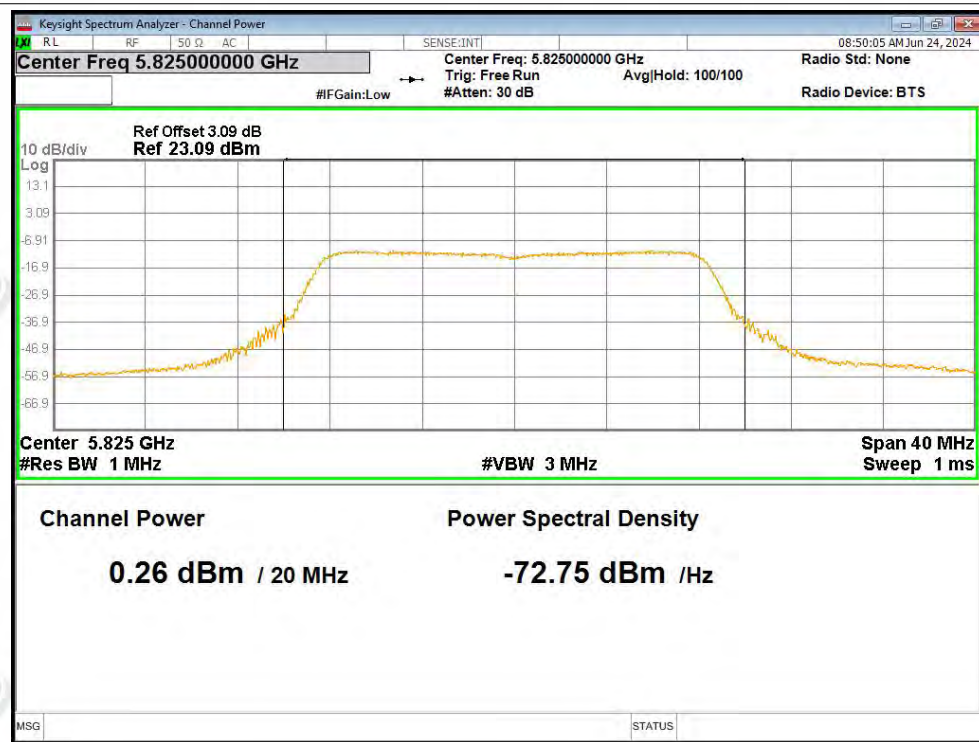




Power NVNT a 5785MHz Ant2

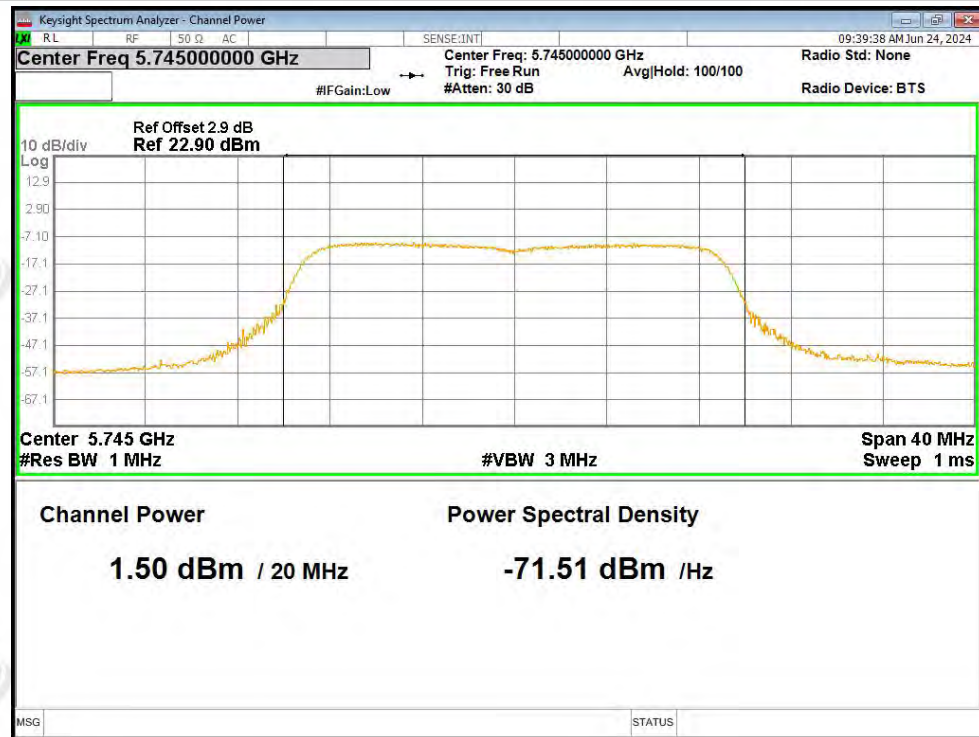


Power NVNT a 5825MHz Ant2

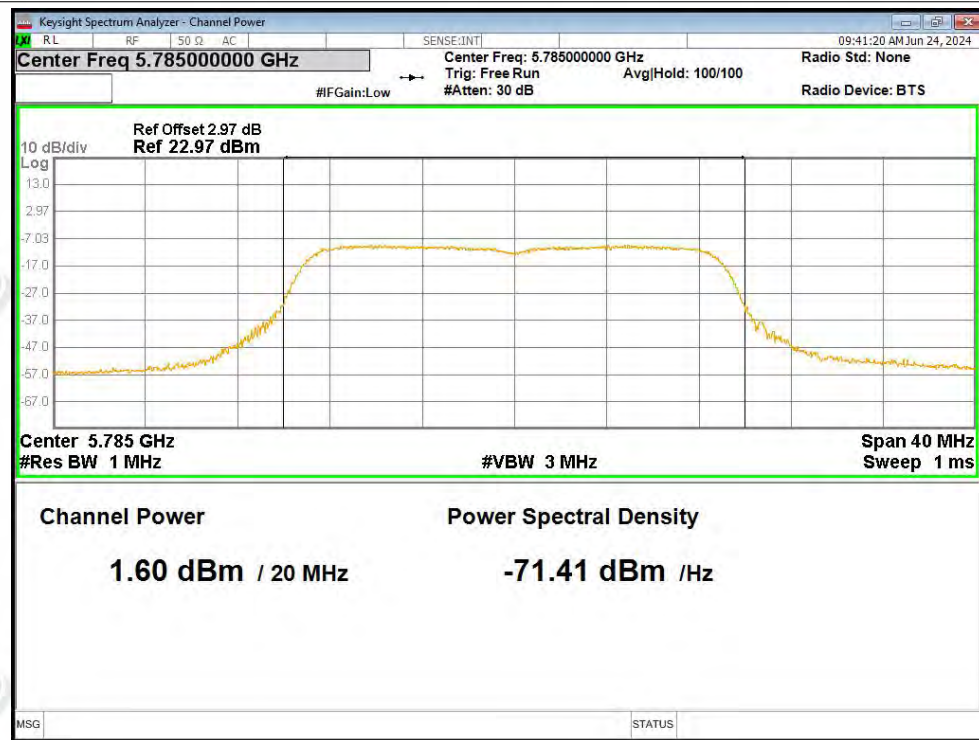




Power NVNT n20 5745MHz Ant1

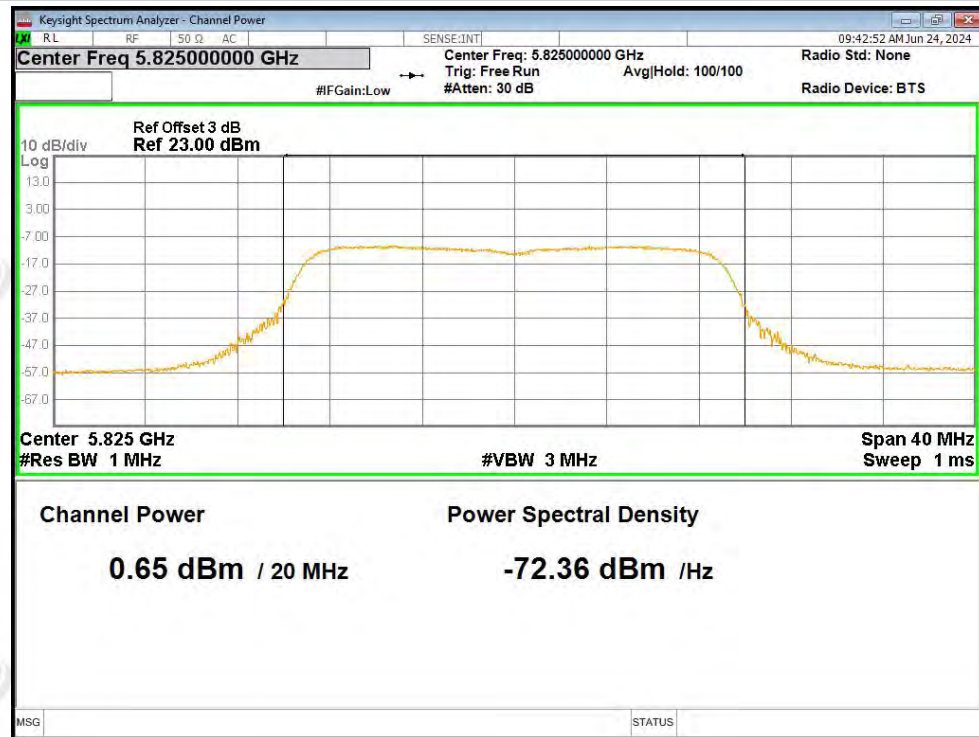


Power NVNT n20 5785MHz Ant1

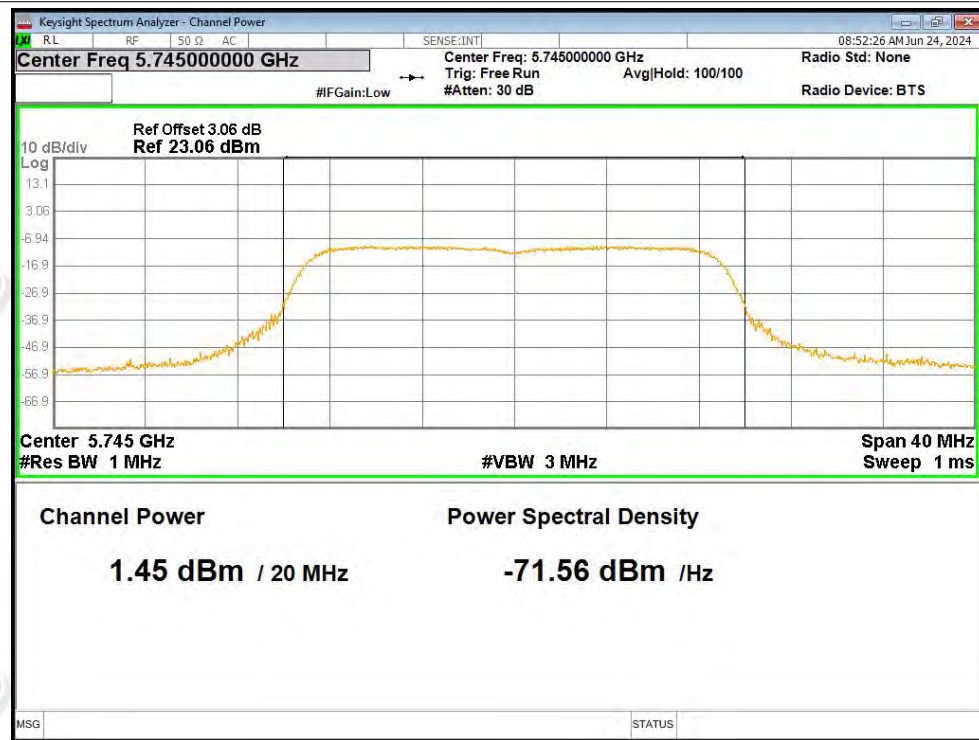




Power NVNT n20 5825MHz Ant1

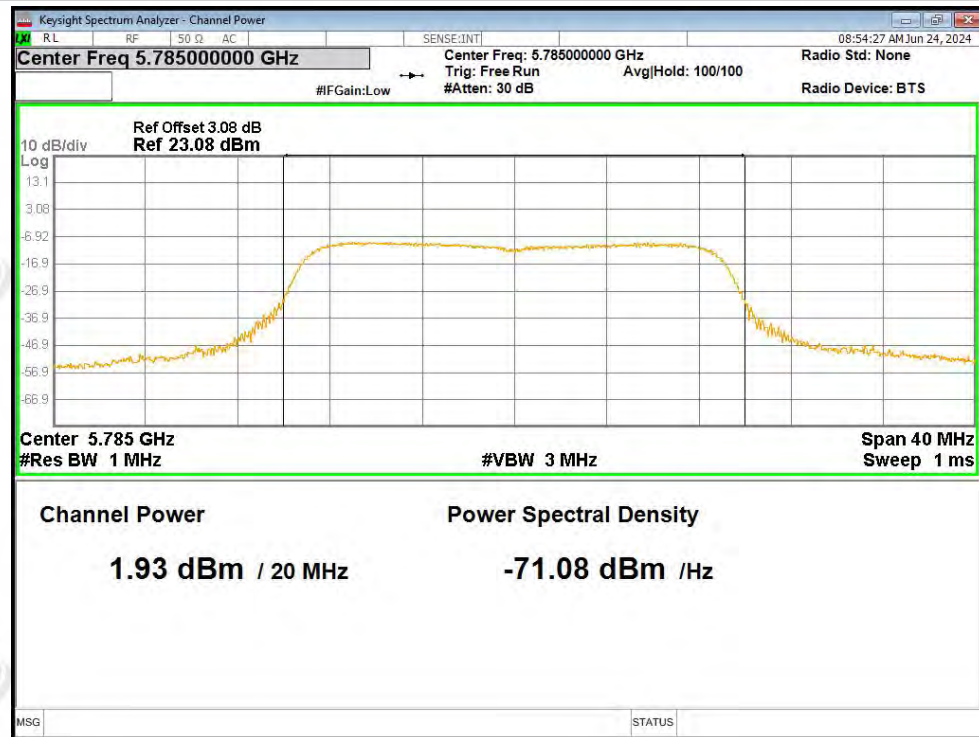


Power NVNT n20 5745MHz Ant2

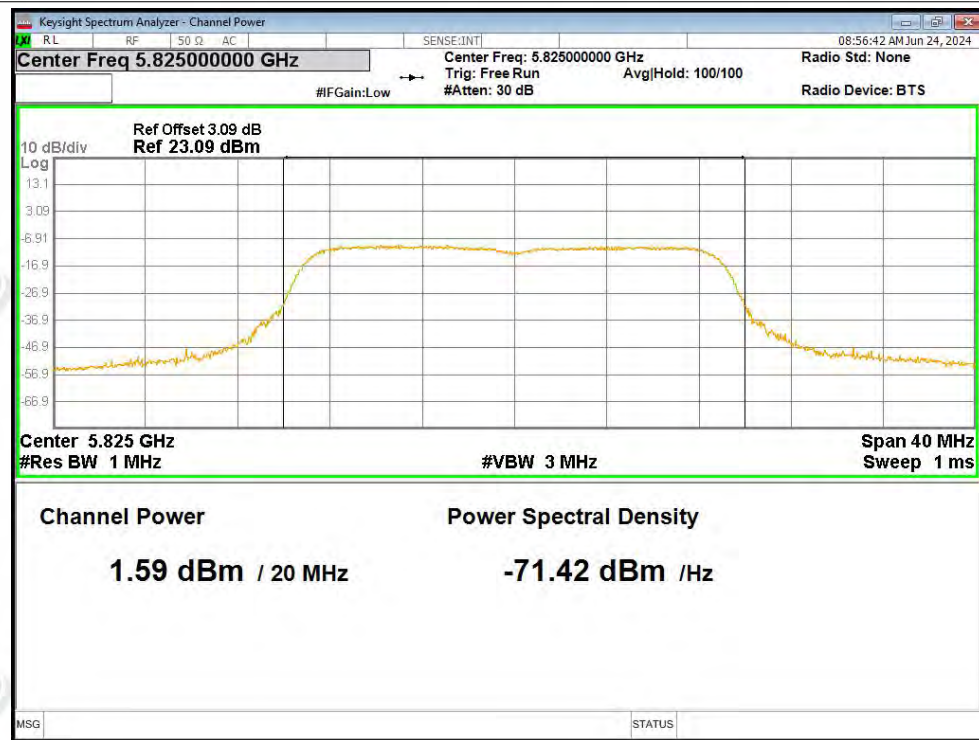




Power NVNT n20 5785MHz Ant2

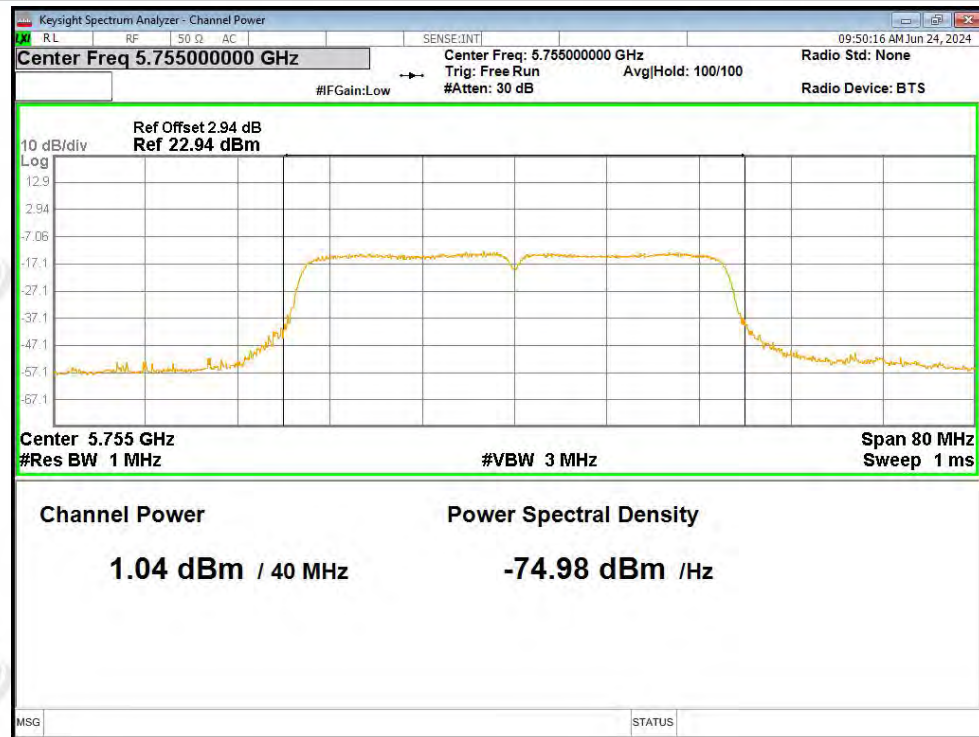


Power NVNT n20 5825MHz Ant2

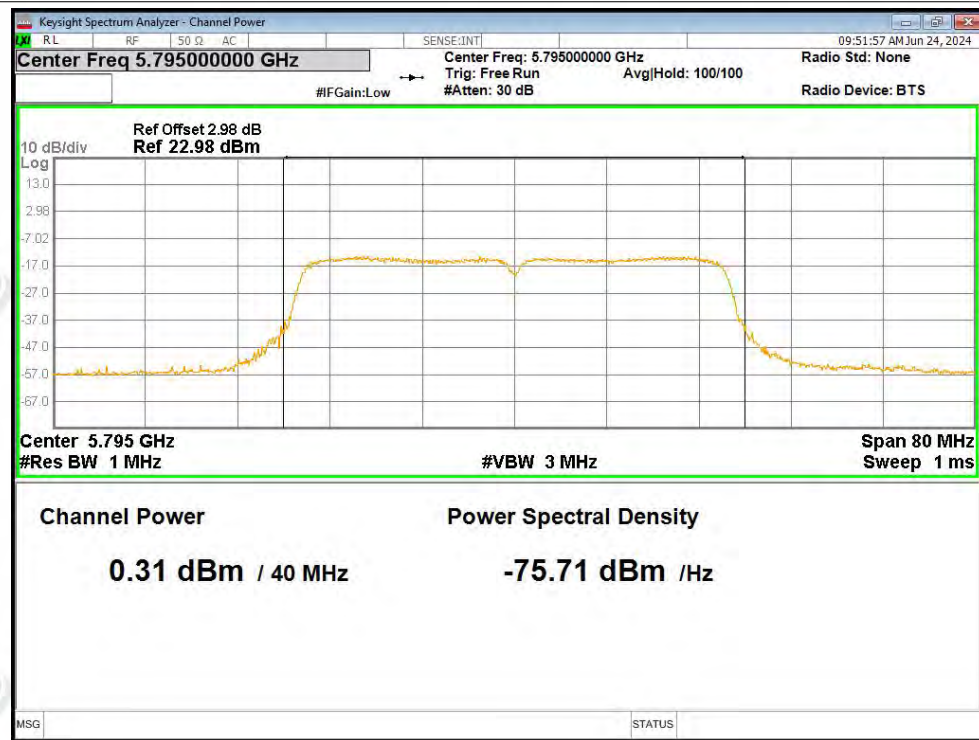




Power NVNT n40 5755MHz Ant1

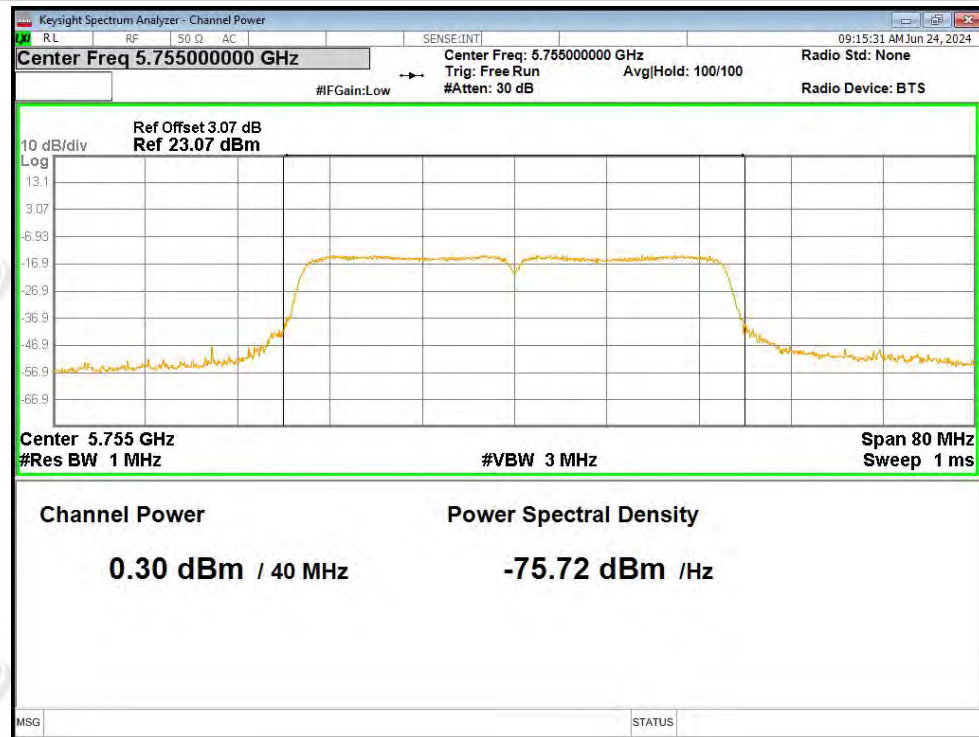


Power NVNT n40 5795MHz Ant1

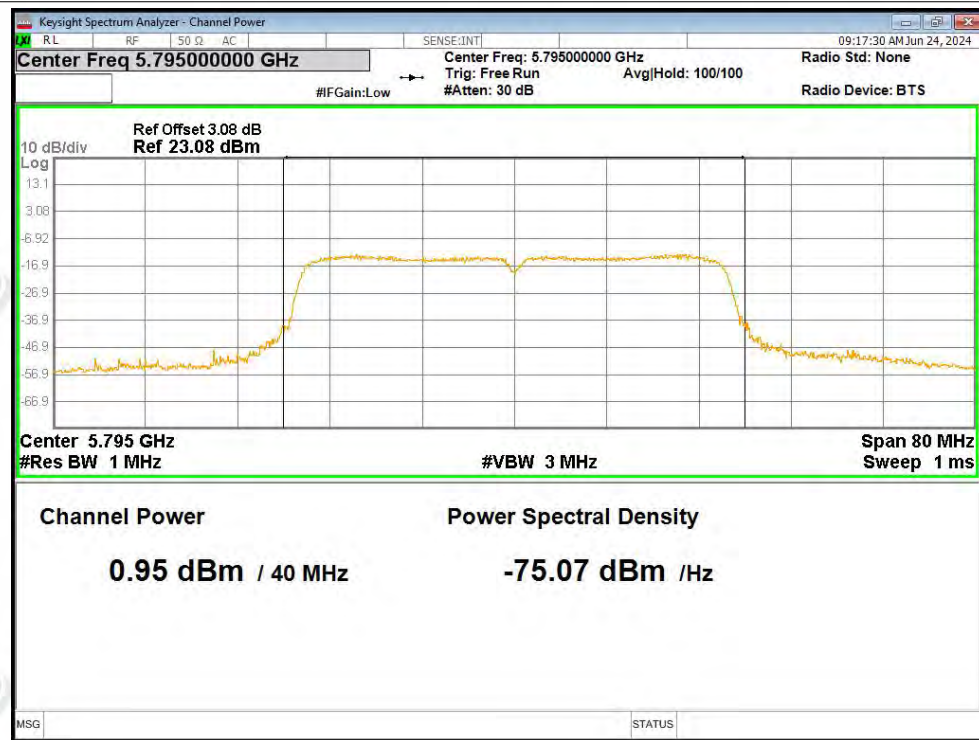




Power NVNT n40 5755MHz Ant2



Power NVNT n40 5795MHz Ant2

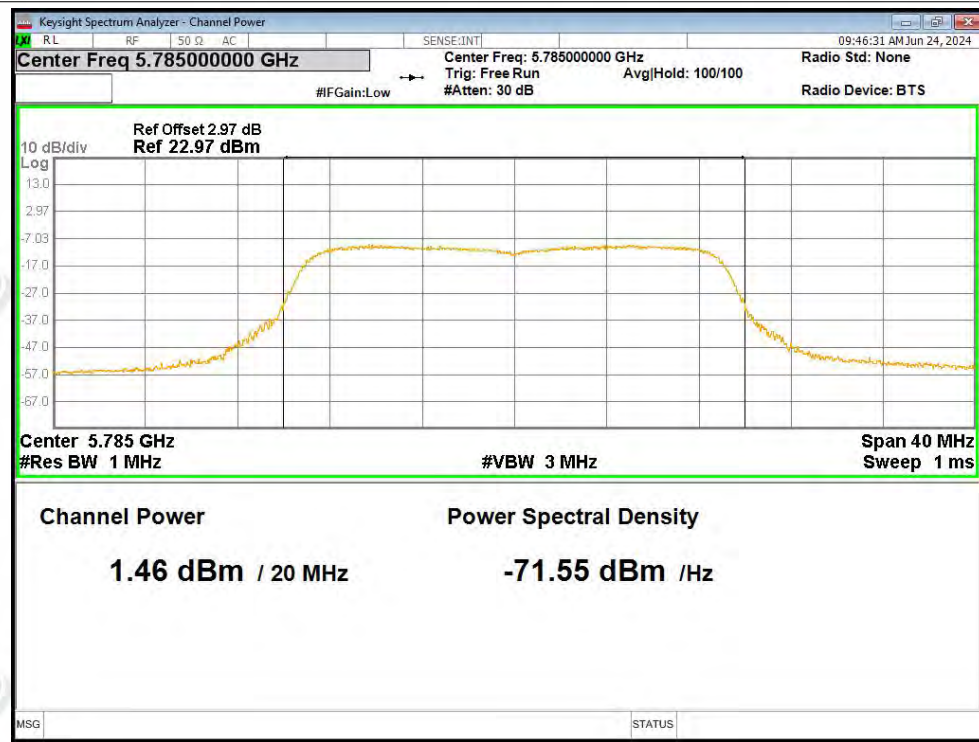




Power NVNT ac20 5745MHz Ant1

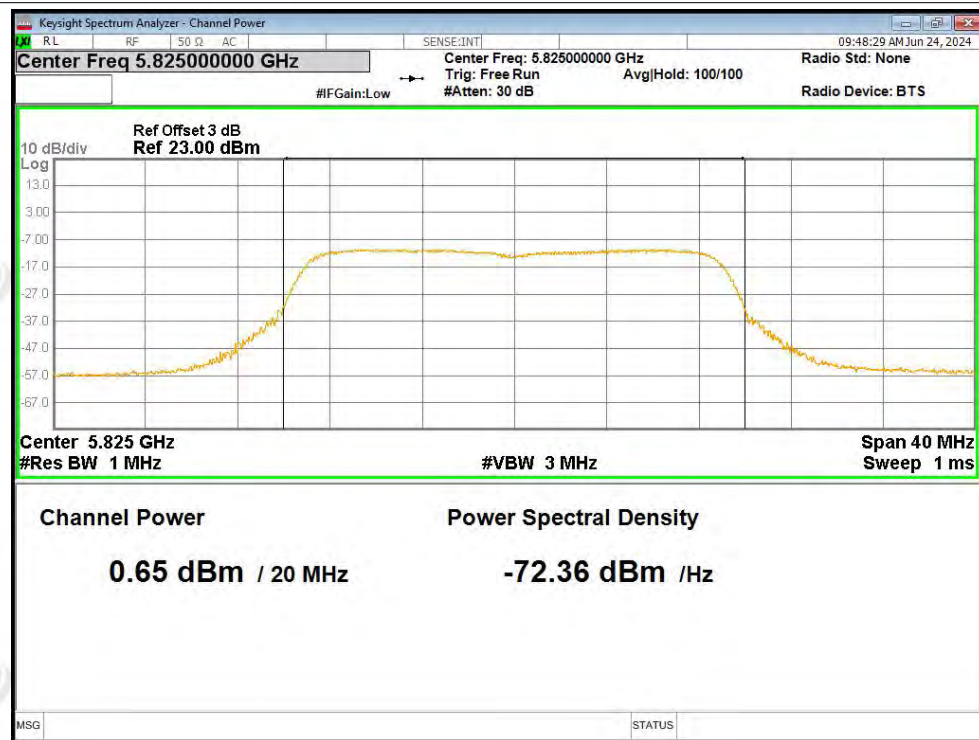


Power NVNT ac20 5785MHz Ant1

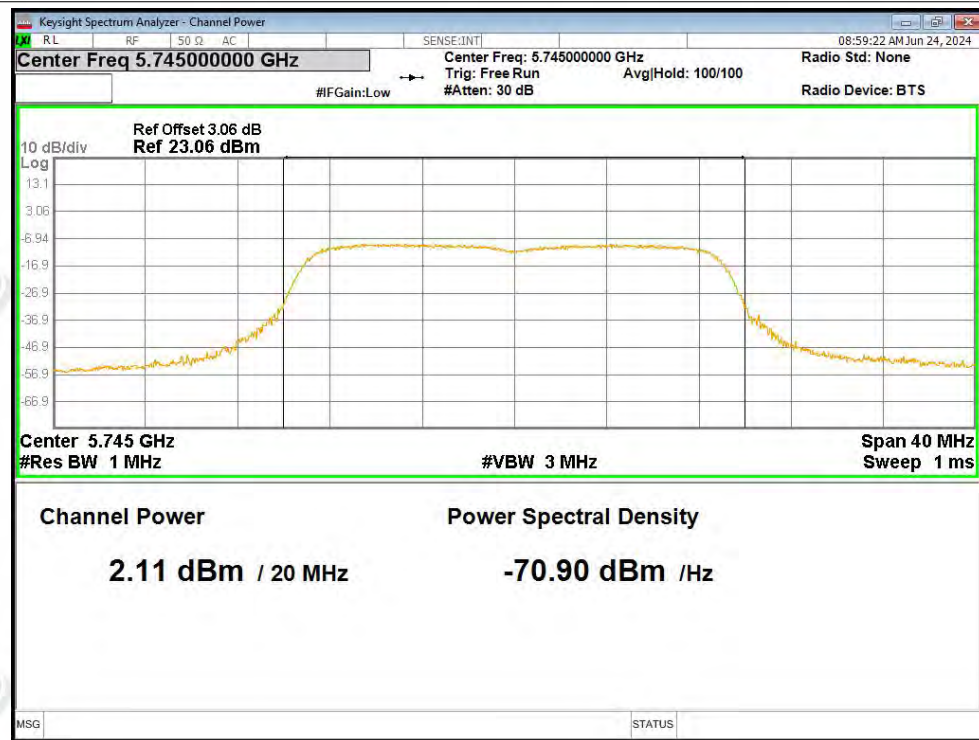




Power NVNT ac20 5825MHz Ant1

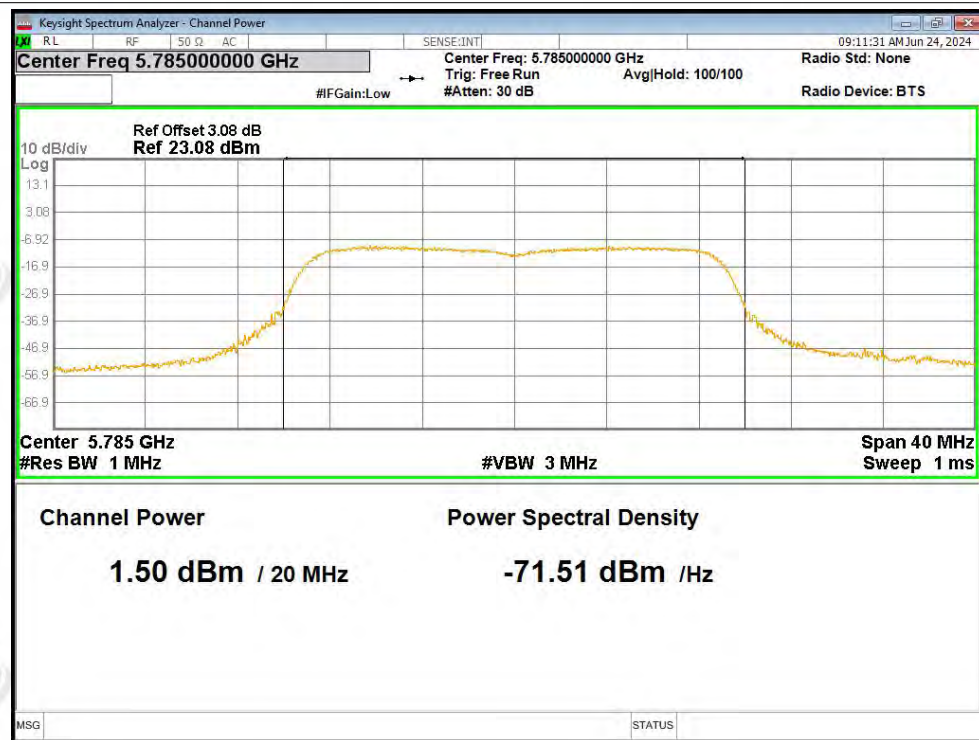


Power NVNT ac20 5745MHz Ant2

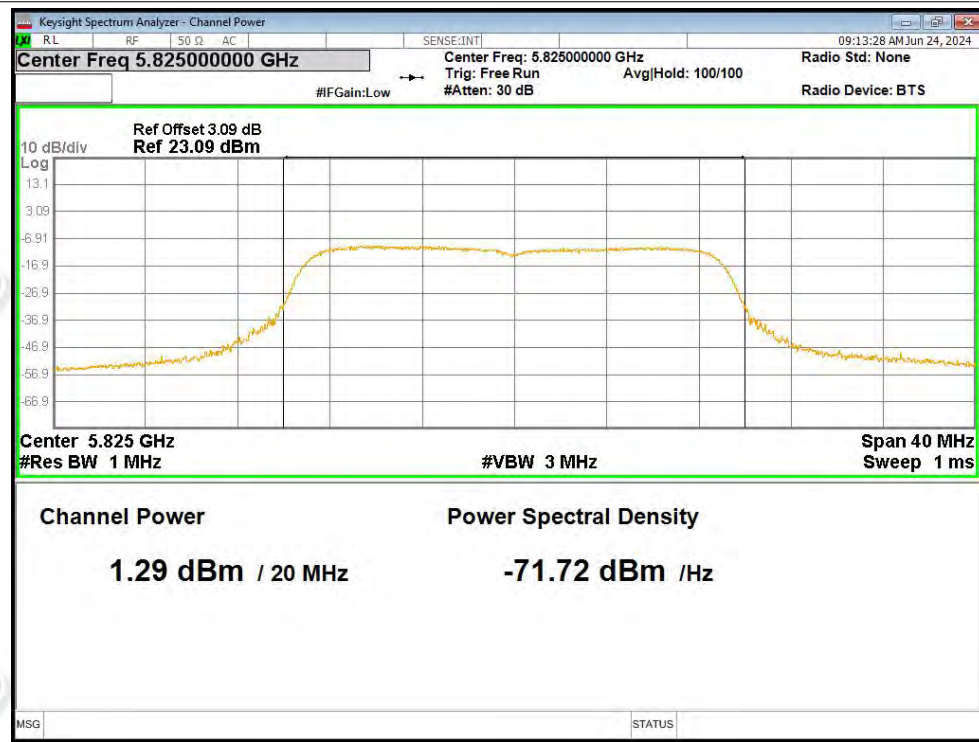




Power NVNT ac20 5785MHz Ant2

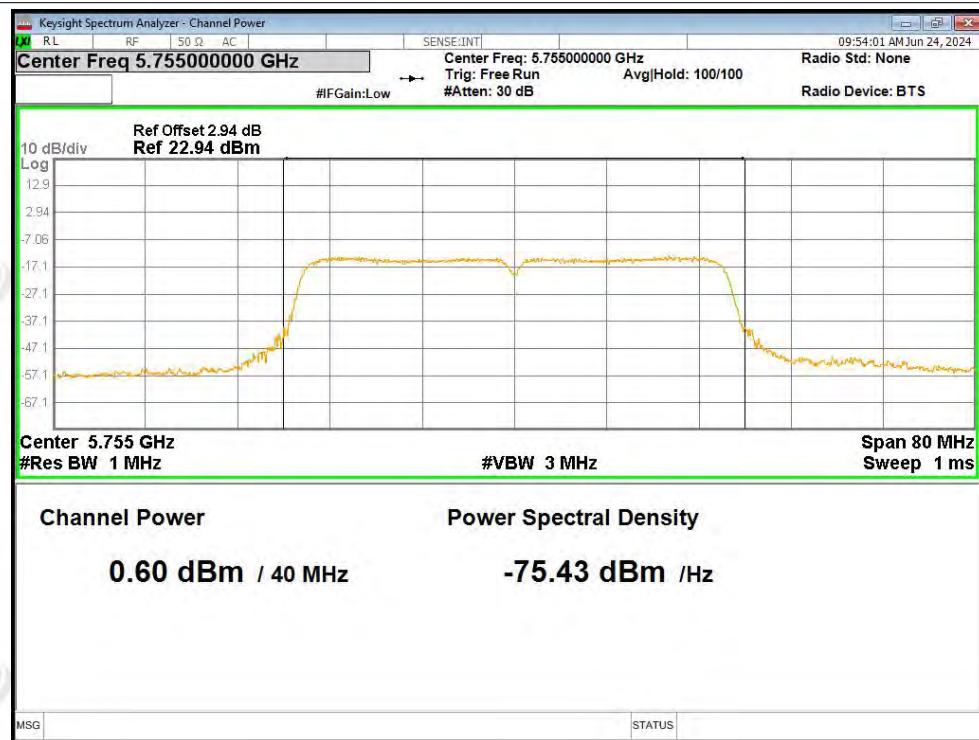


Power NVNT ac20 5825MHz Ant2

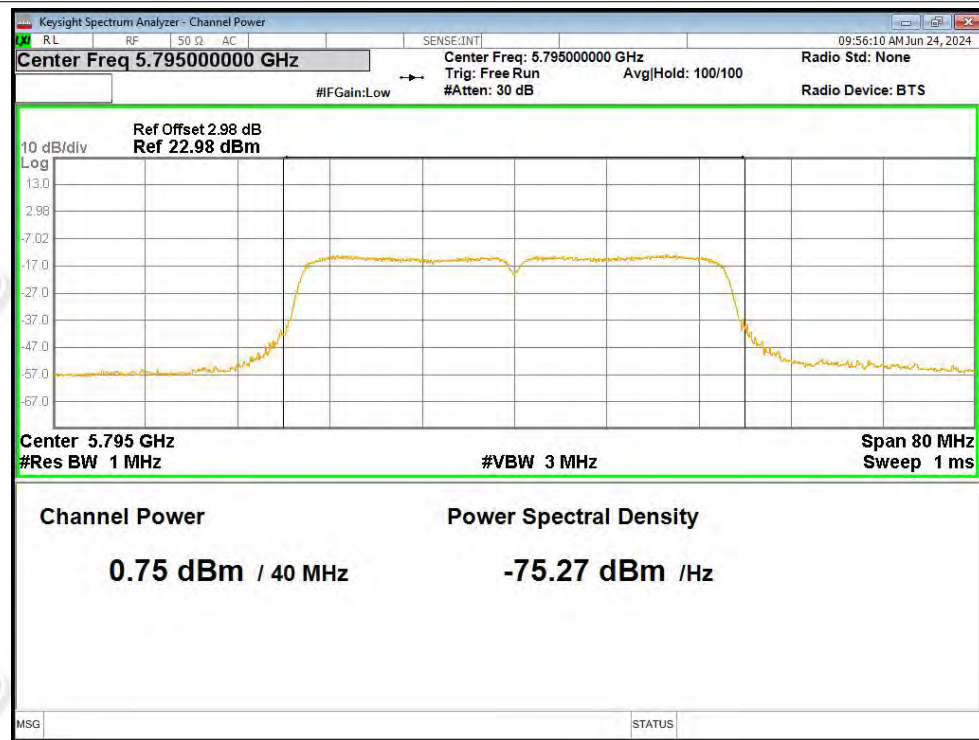




Power NVNT ac40 5755MHz Ant1

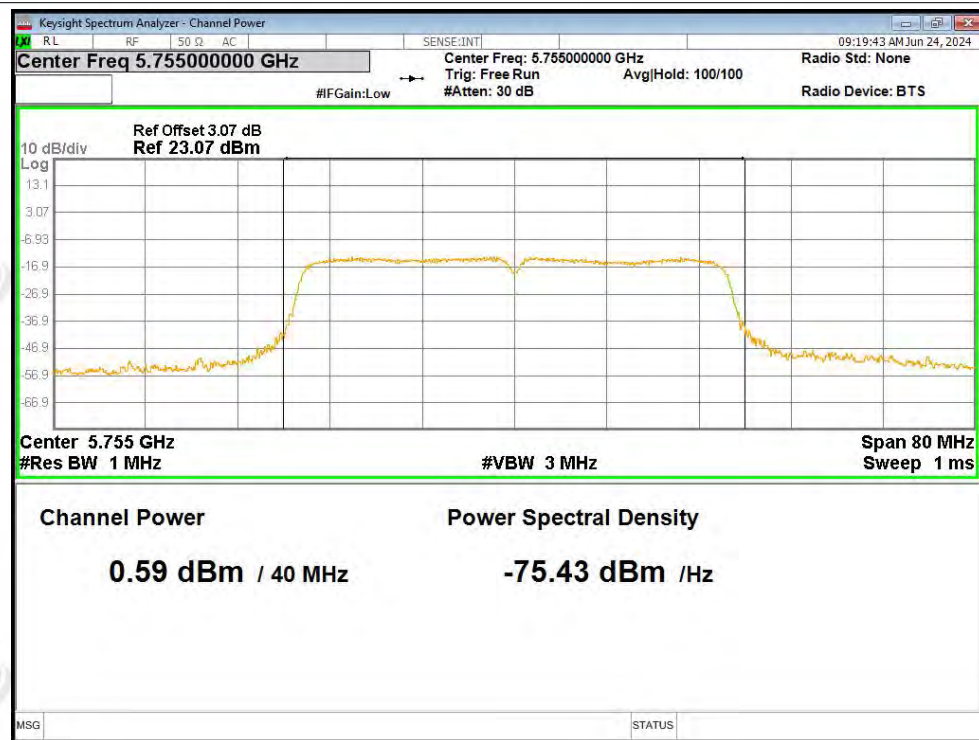


Power NVNT ac40 5795MHz Ant1

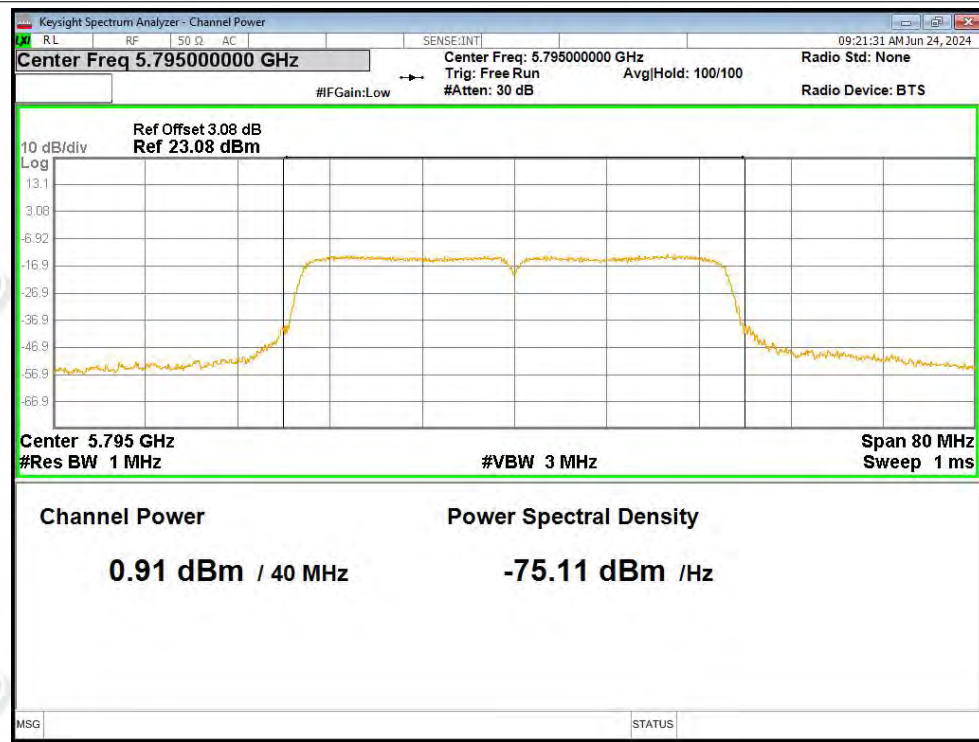




Power NVNT ac40 5755MHz Ant2

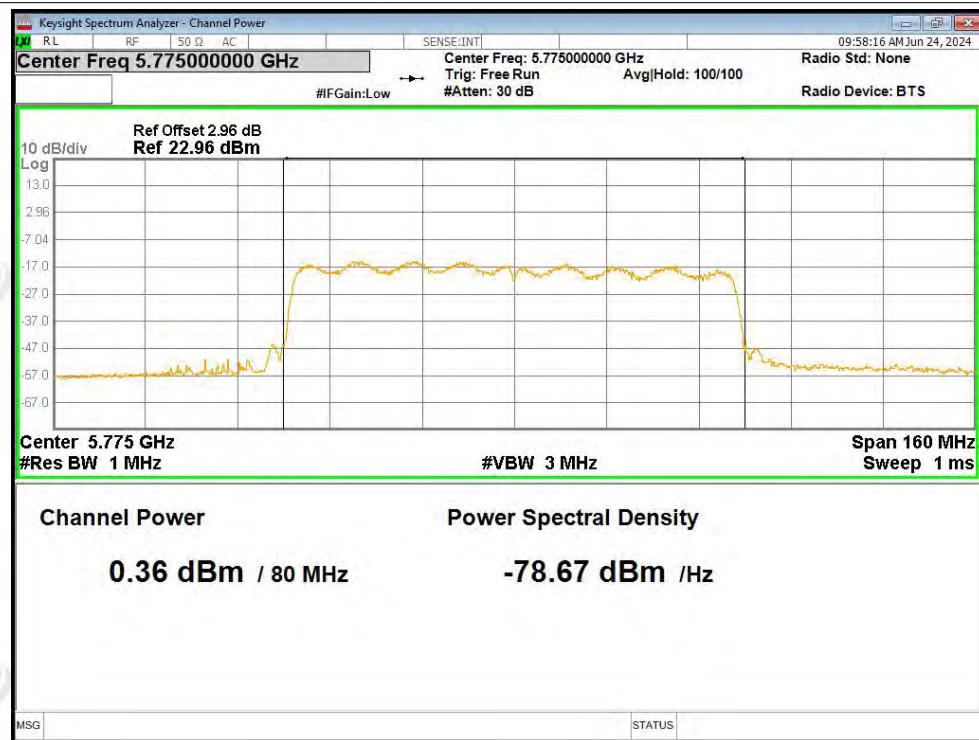


Power NVNT ac40 5795MHz Ant2

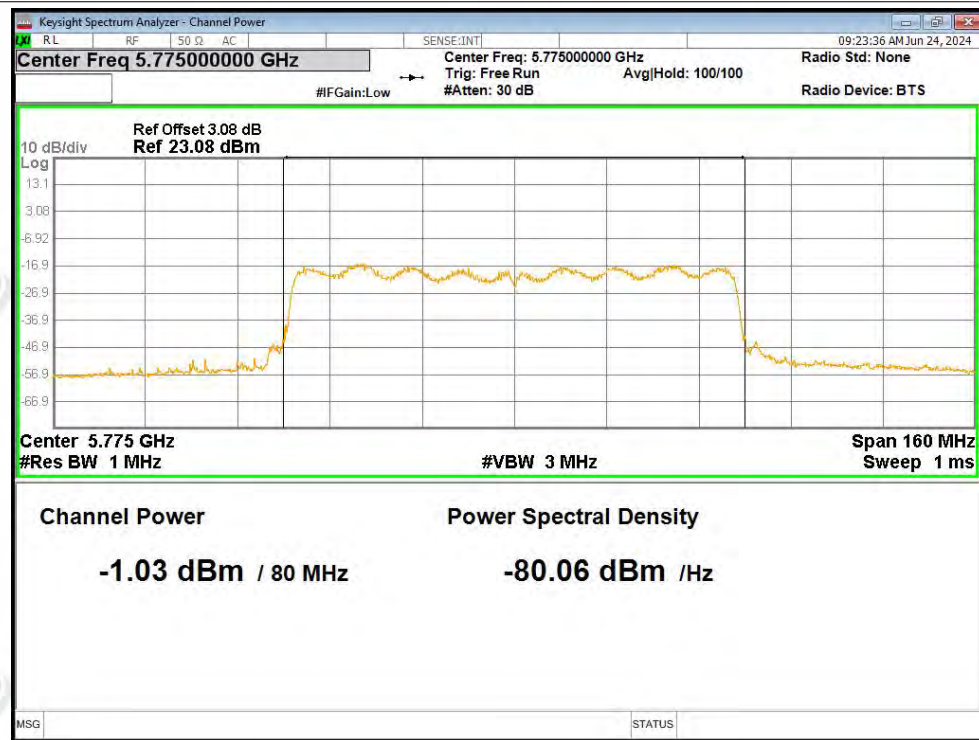




Power NVNT ac80 5775MHz Ant1



Power NVNT ac80 5775MHz Ant2





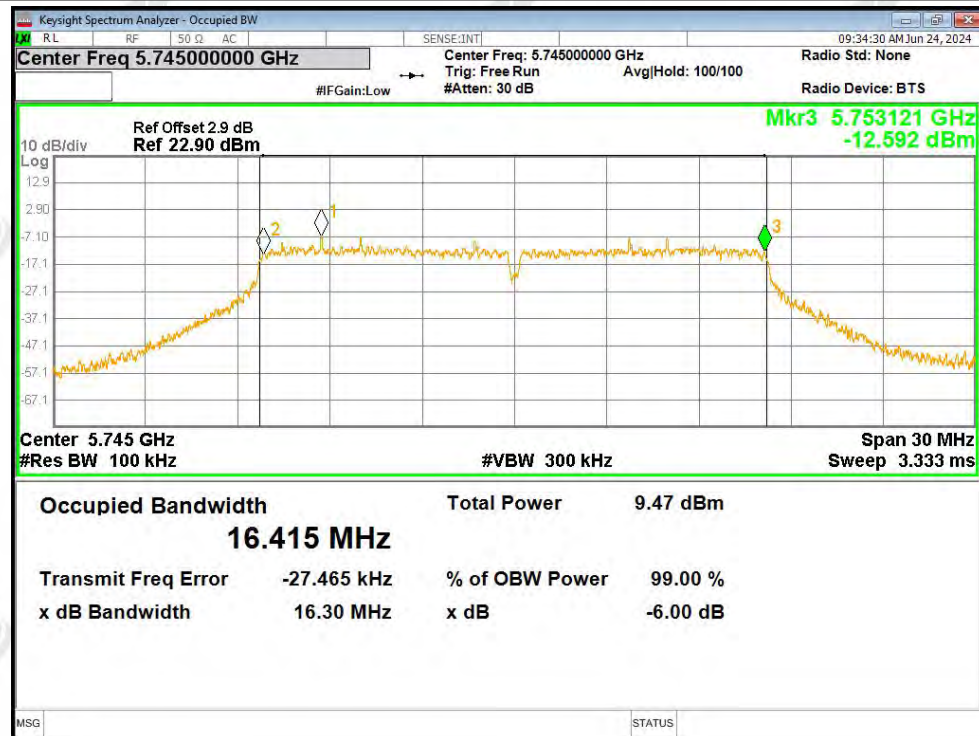
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B3. -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.296	0.5	Pass
NVNT	a	5785	Ant1	16.327	0.5	Pass
NVNT	a	5825	Ant1	16.325	0.5	Pass
NVNT	a	5745	Ant2	16.334	0.5	Pass
NVNT	a	5785	Ant2	16.338	0.5	Pass
NVNT	a	5825	Ant2	16.349	0.5	Pass
NVNT	n20	5745	Ant1	16.812	0.5	Pass
NVNT	n20	5785	Ant1	17.561	0.5	Pass
NVNT	n20	5825	Ant1	16.934	0.5	Pass
NVNT	n20	5745	Ant2	17.015	0.5	Pass
NVNT	n20	5785	Ant2	16.531	0.5	Pass
NVNT	n20	5825	Ant2	17	0.5	Pass
NVNT	n40	5755	Ant1	35.269	0.5	Pass
NVNT	n40	5795	Ant1	35.307	0.5	Pass
NVNT	n40	5755	Ant2	35.45	0.5	Pass
NVNT	n40	5795	Ant2	35.107	0.5	Pass
NVNT	ac20	5745	Ant1	16.918	0.5	Pass
NVNT	ac20	5785	Ant1	16.79	0.5	Pass
NVNT	ac20	5825	Ant1	17.271	0.5	Pass
NVNT	ac20	5745	Ant2	16.908	0.5	Pass
NVNT	ac20	5785	Ant2	16.784	0.5	Pass
NVNT	ac20	5825	Ant2	16.638	0.5	Pass
NVNT	ac40	5755	Ant1	35.338	0.5	Pass
NVNT	ac40	5795	Ant1	35.459	0.5	Pass
NVNT	ac40	5755	Ant2	35.091	0.5	Pass
NVNT	ac40	5795	Ant2	35.233	0.5	Pass
NVNT	ac80	5775	Ant1	74.937	0.5	Pass
NVNT	ac80	5775	Ant2	75.148	0.5	Pass

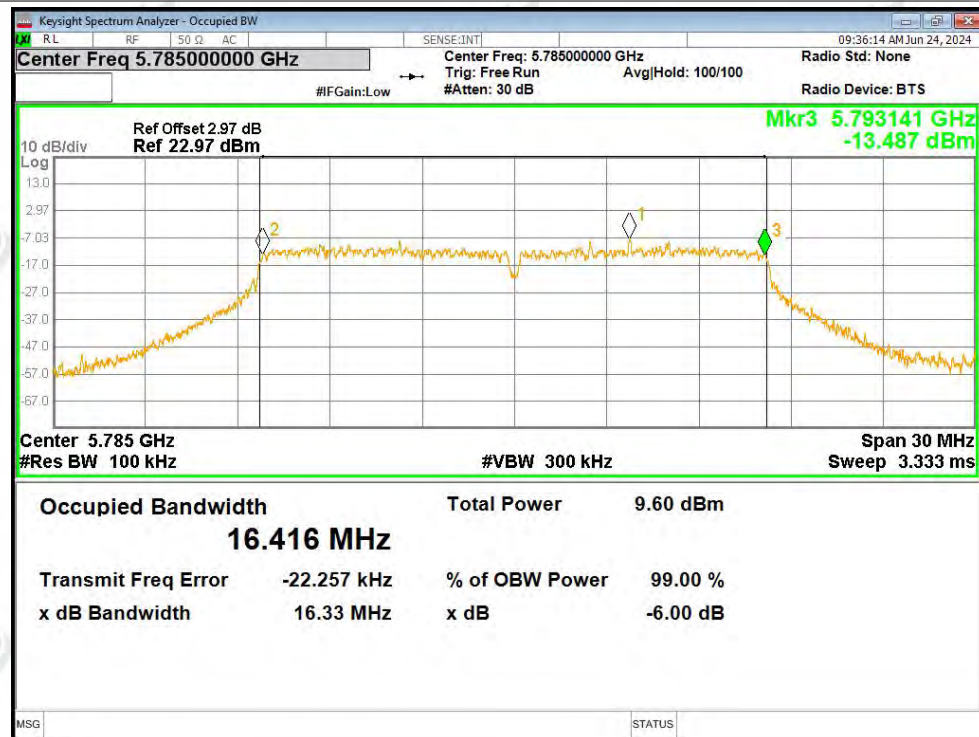


Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant1

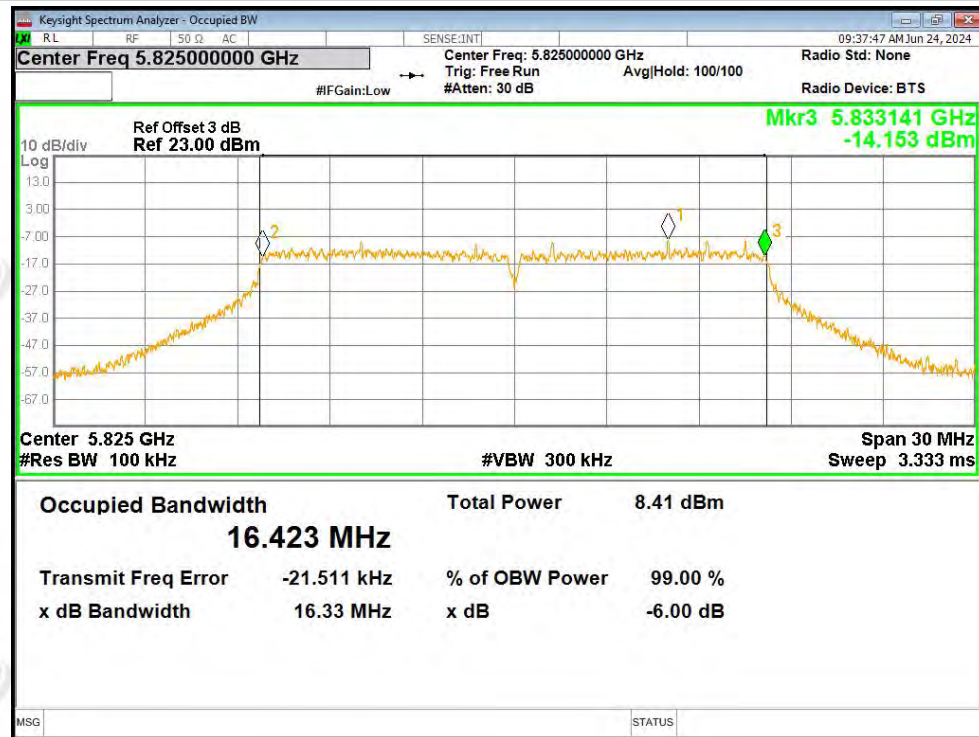


-6dB Bandwidth NVNT a 5785MHz Ant1

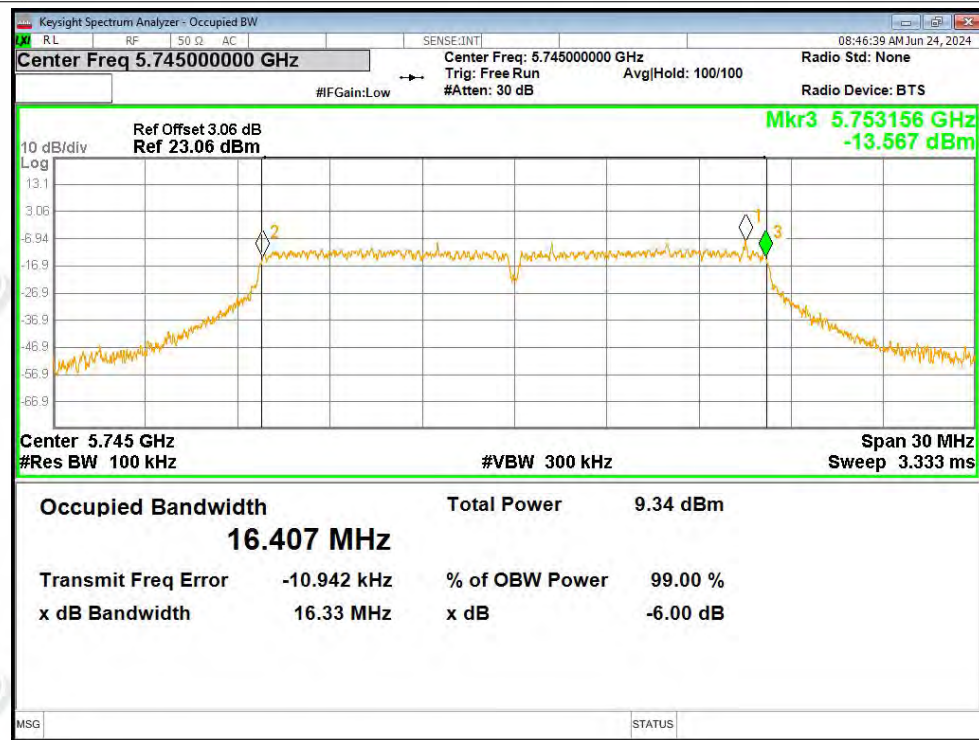




-6dB Bandwidth NVNT a 5825MHz Ant1

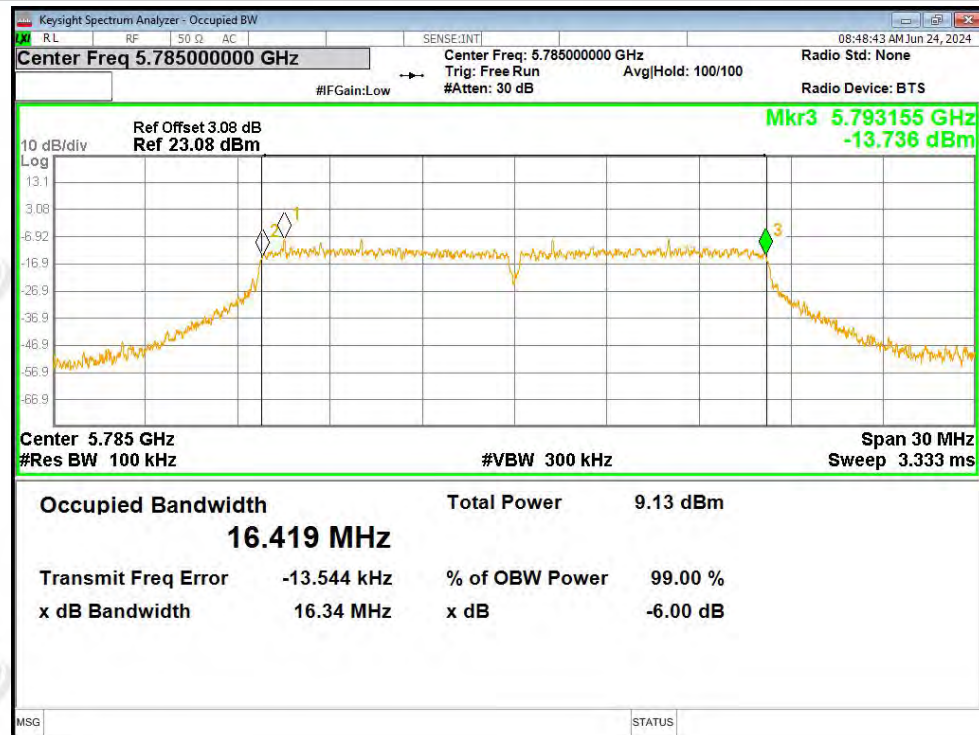


-6dB Bandwidth NVNT a 5745MHz Ant2

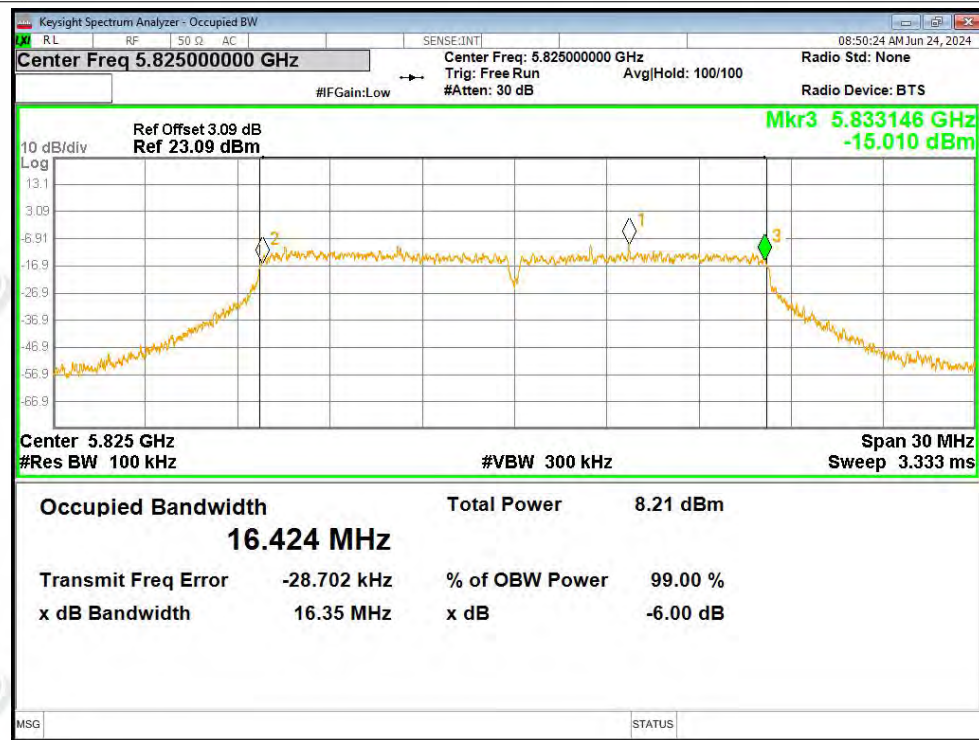




-6dB Bandwidth NVNT a 5785MHz Ant2

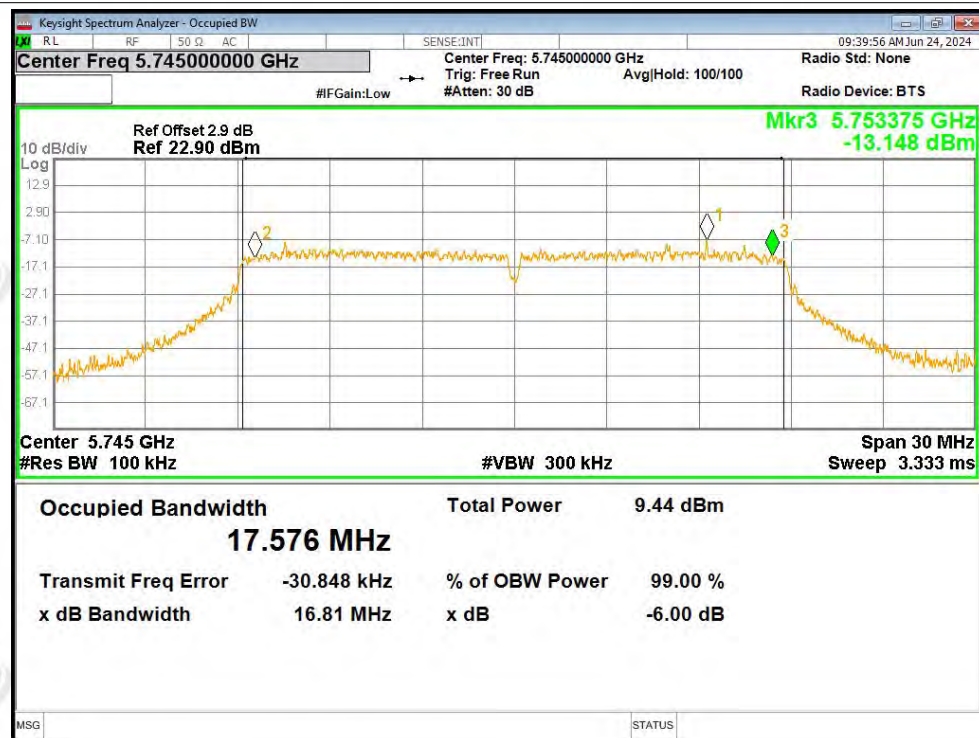


-6dB Bandwidth NVNT a 5825MHz Ant2

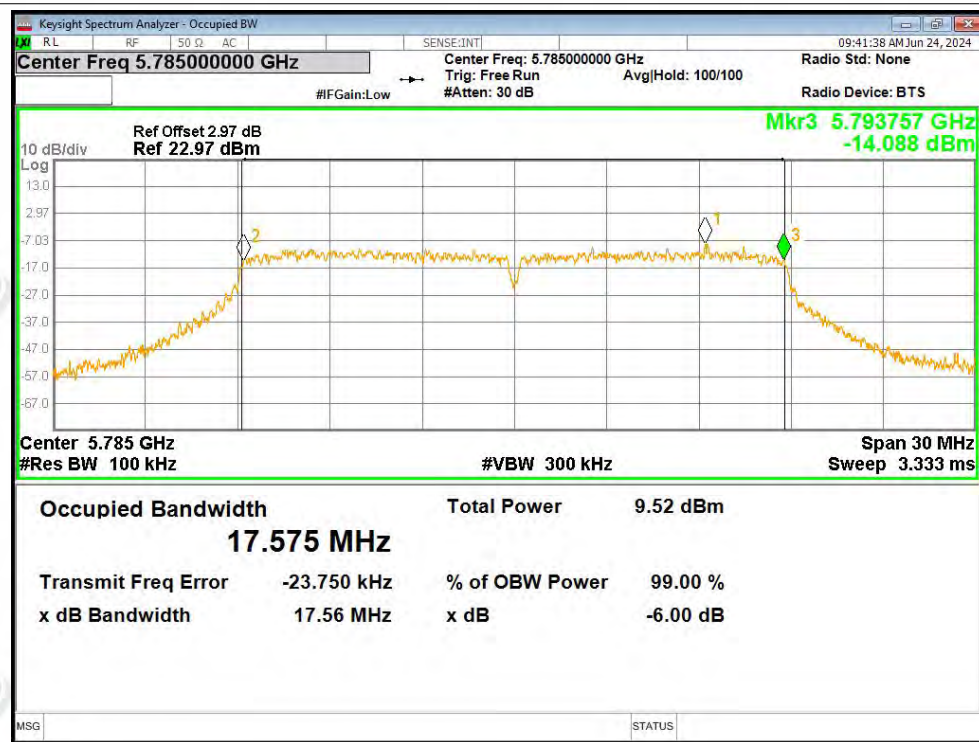




-6dB Bandwidth NVNT n20 5745MHz Ant1

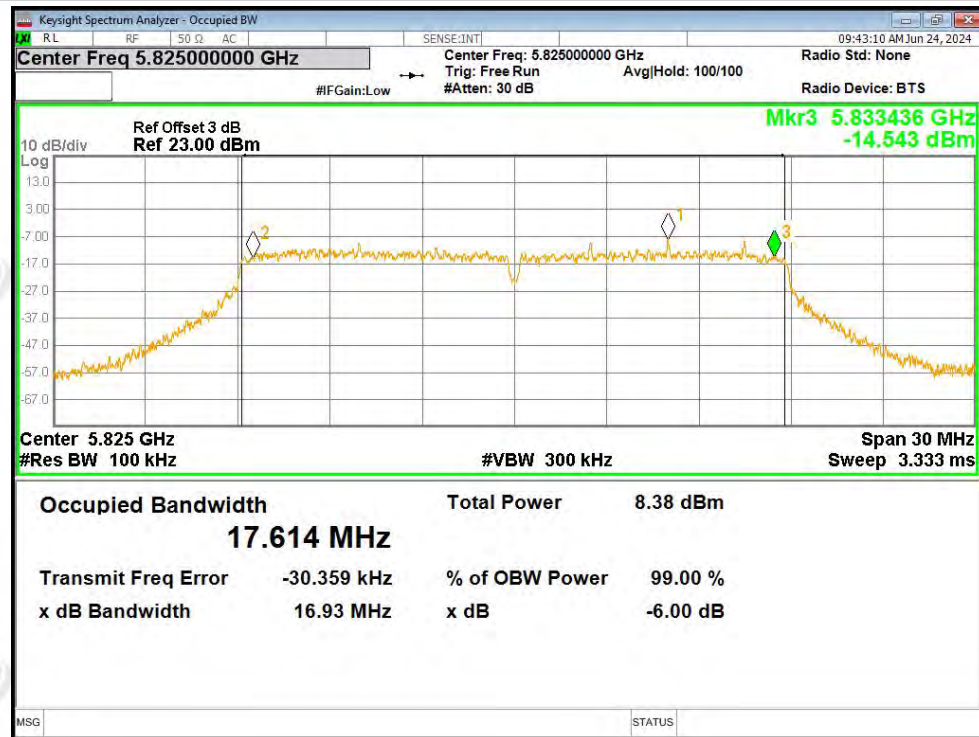


-6dB Bandwidth NVNT n20 5785MHz Ant1

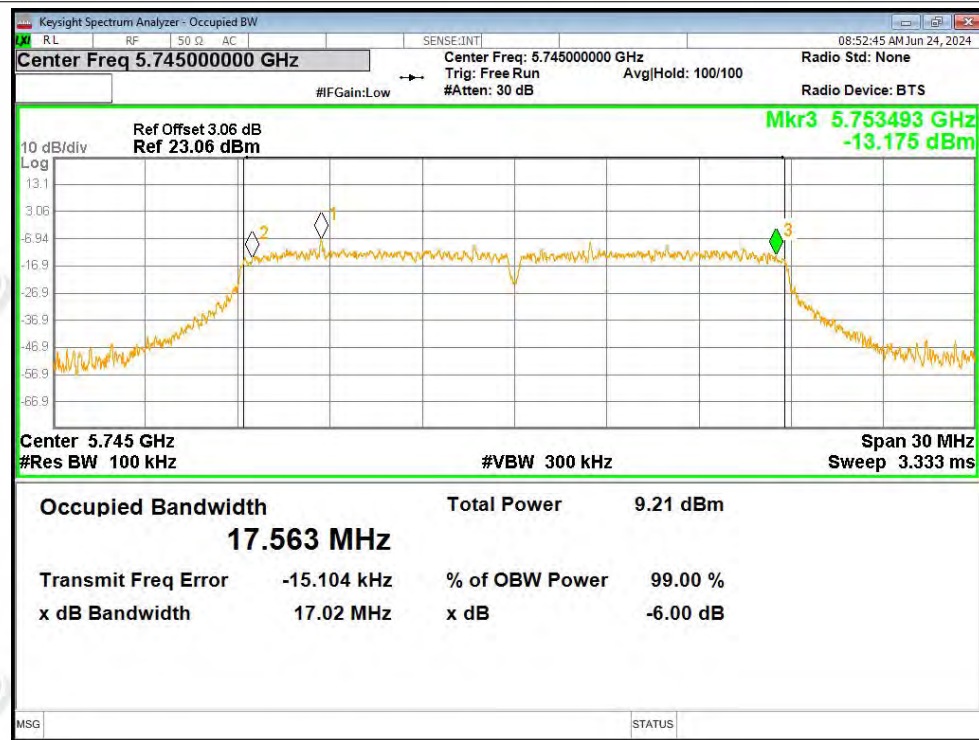




-6dB Bandwidth NVNT n20 5825MHz Ant1

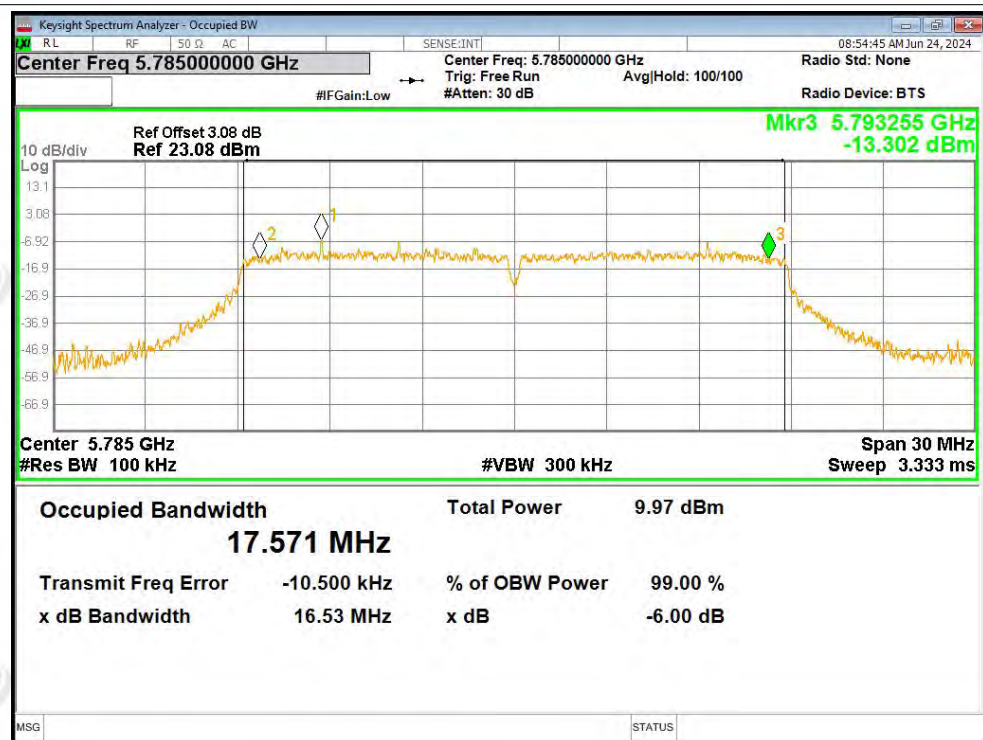


-6dB Bandwidth NVNT n20 5745MHz Ant2

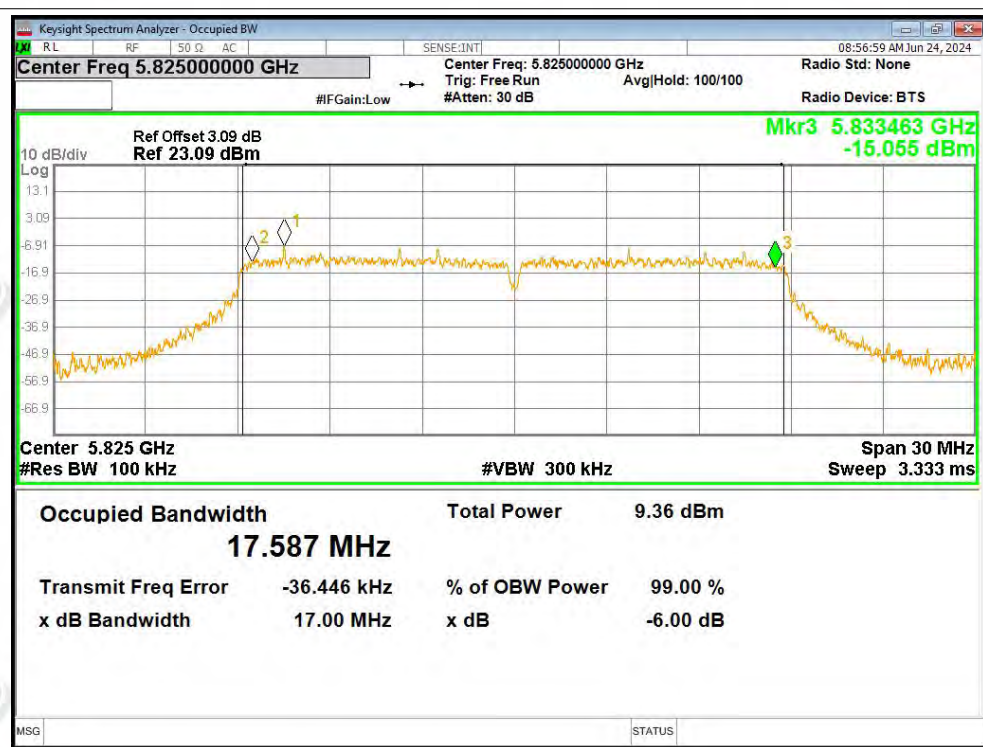




-6dB Bandwidth NVNT n20 5785MHz Ant2

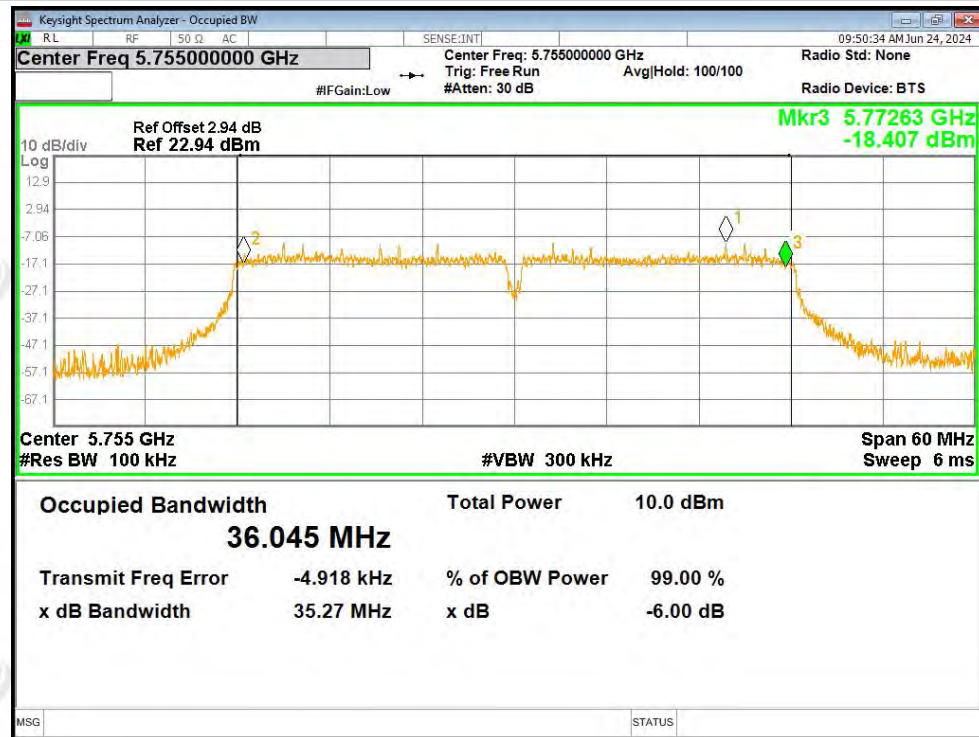


-6dB Bandwidth NVNT n20 5825MHz Ant2





-6dB Bandwidth NVNT n40 5755MHz Ant1

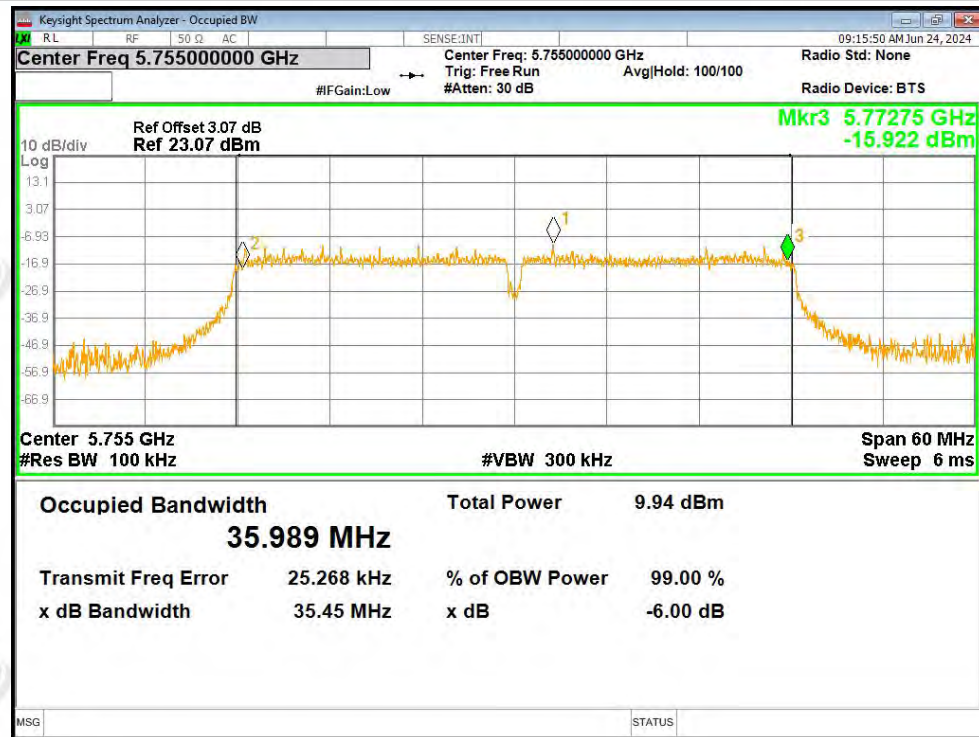


-6dB Bandwidth NVNT n40 5795MHz Ant1

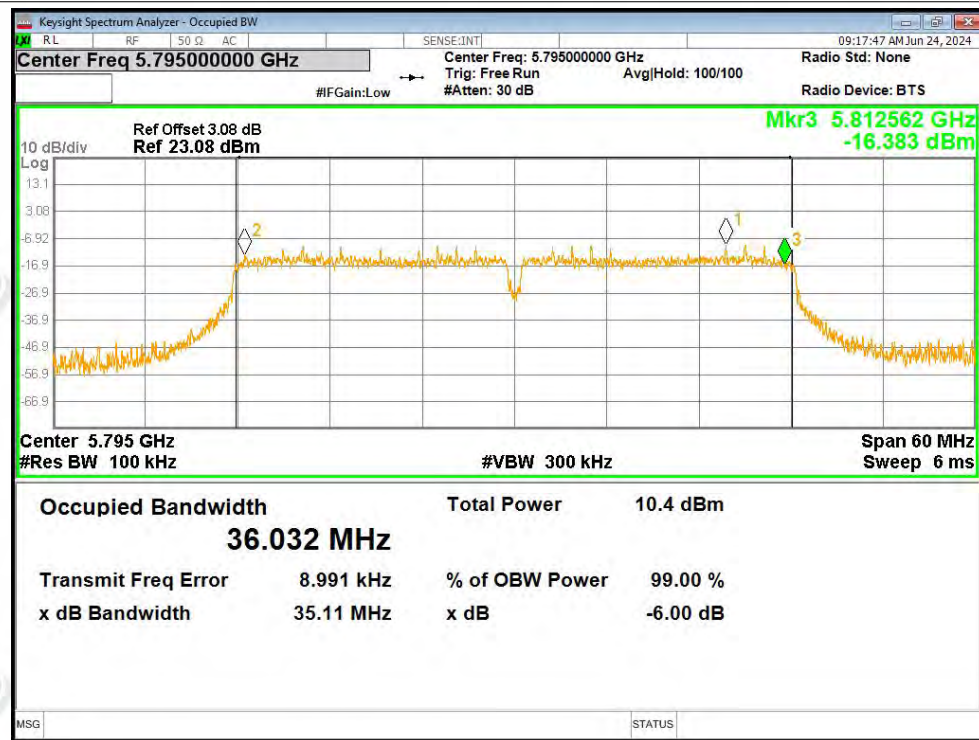




-6dB Bandwidth NVNT n40 5755MHz Ant2

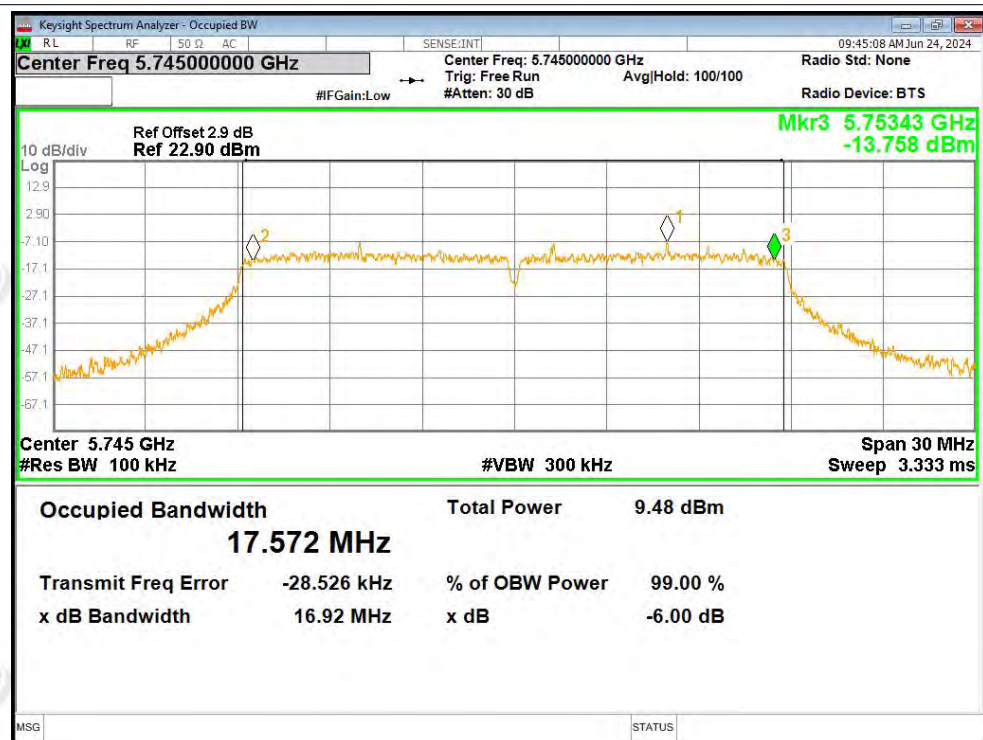


-6dB Bandwidth NVNT n40 5795MHz Ant2

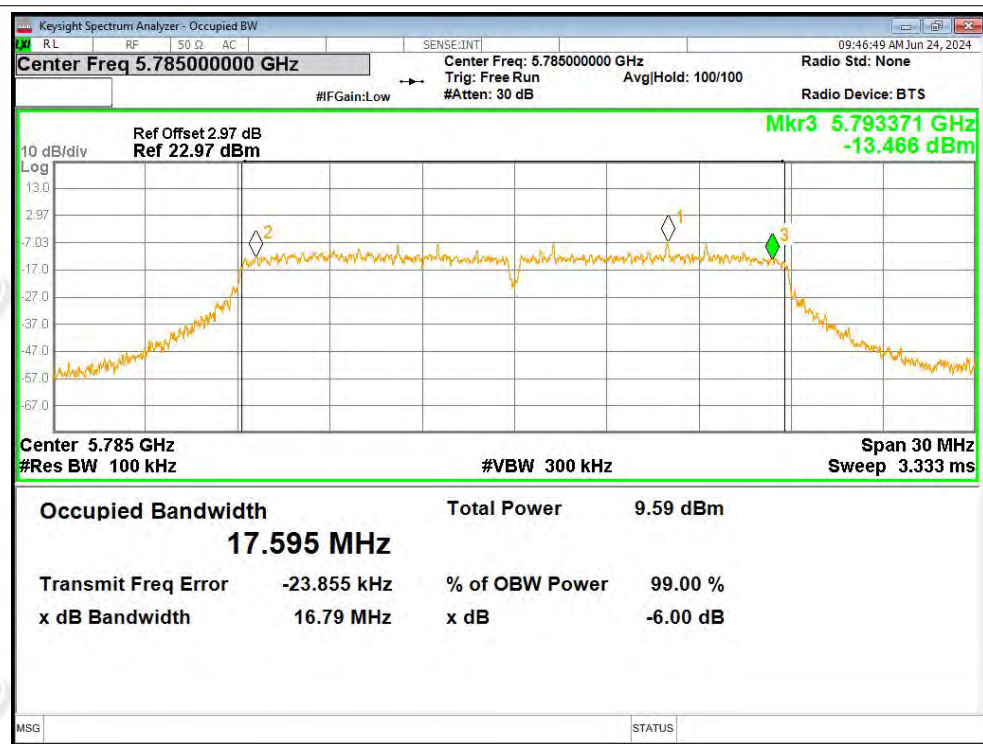




-6dB Bandwidth NVNT ac20 5745MHz Ant1

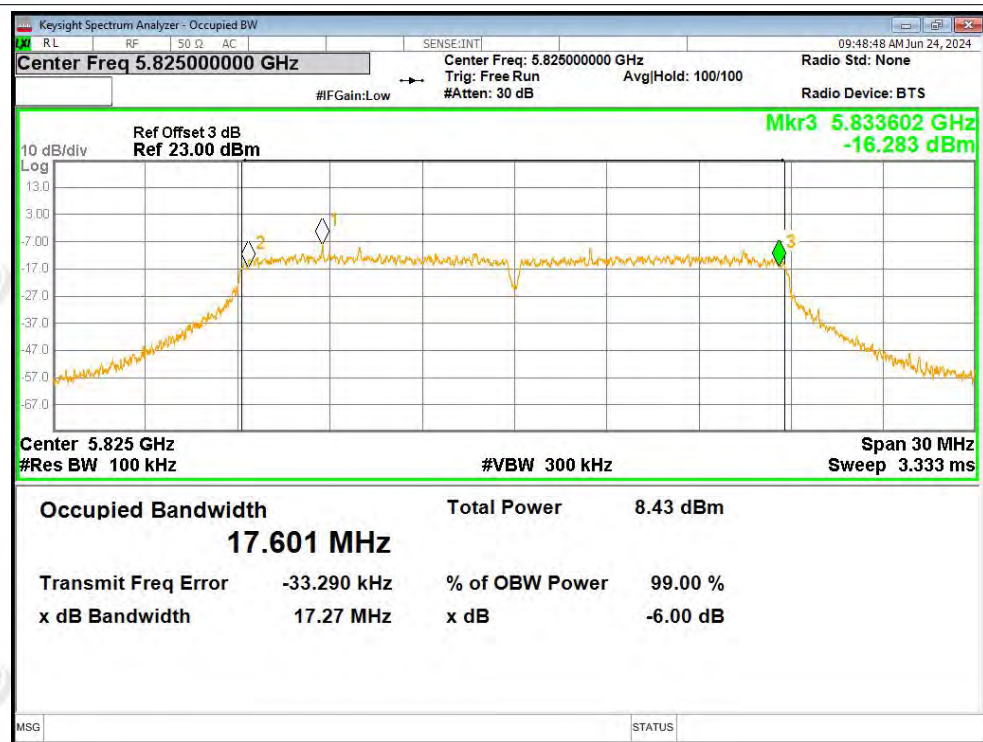


-6dB Bandwidth NVNT ac20 5785MHz Ant1

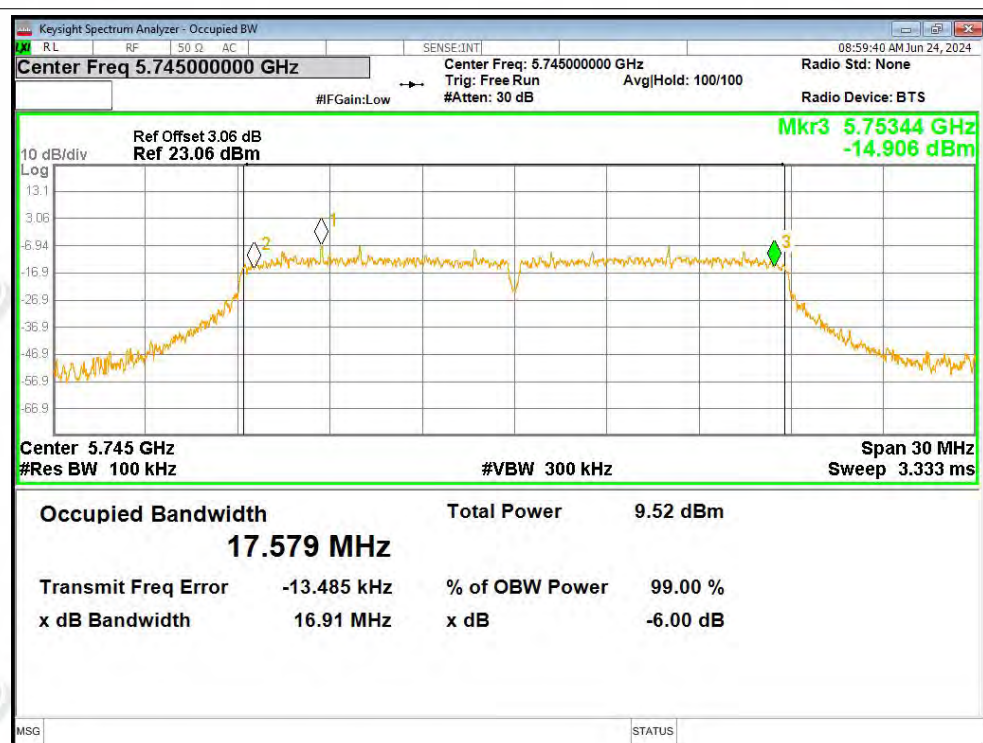




-6dB Bandwidth NVNT ac20 5825MHz Ant1

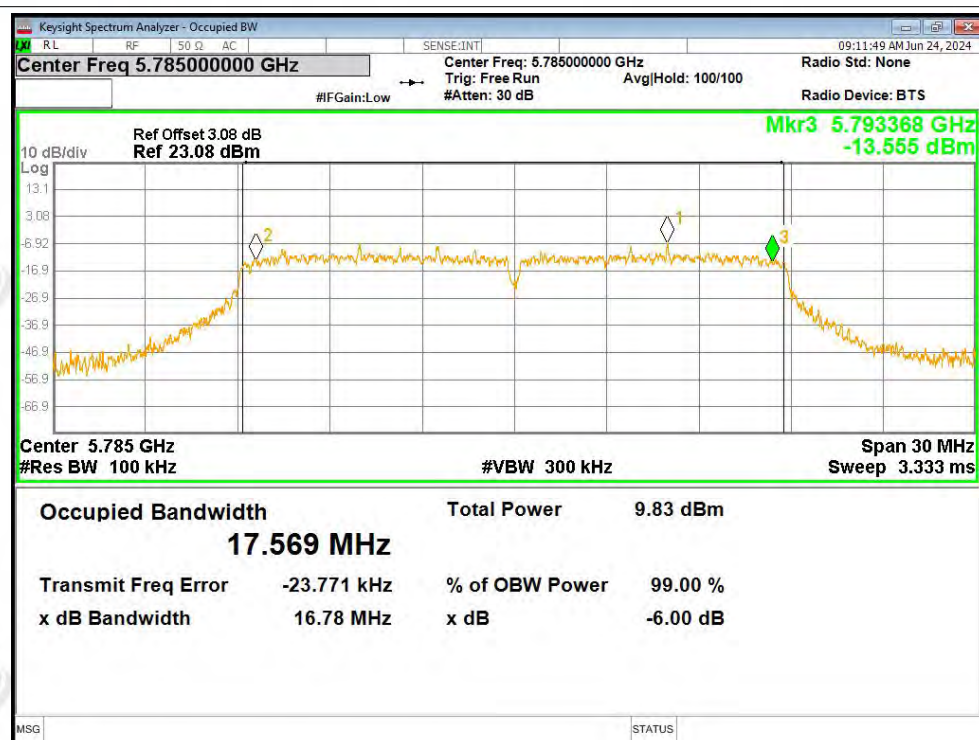


-6dB Bandwidth NVNT ac20 5745MHz Ant2

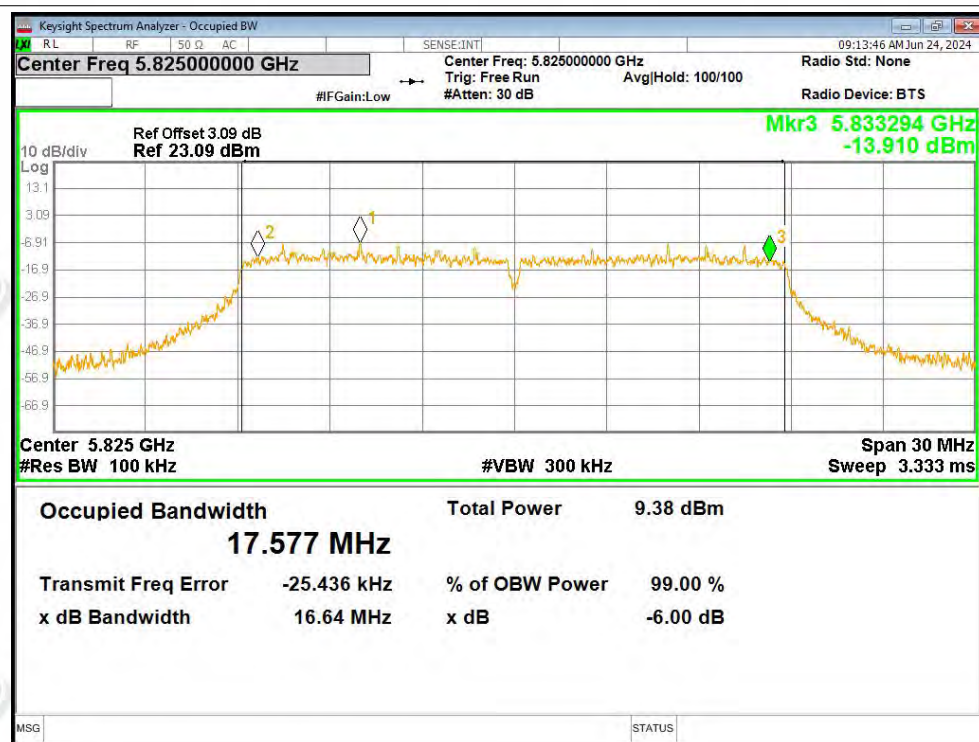




-6dB Bandwidth NVNT ac20 5785MHz Ant2

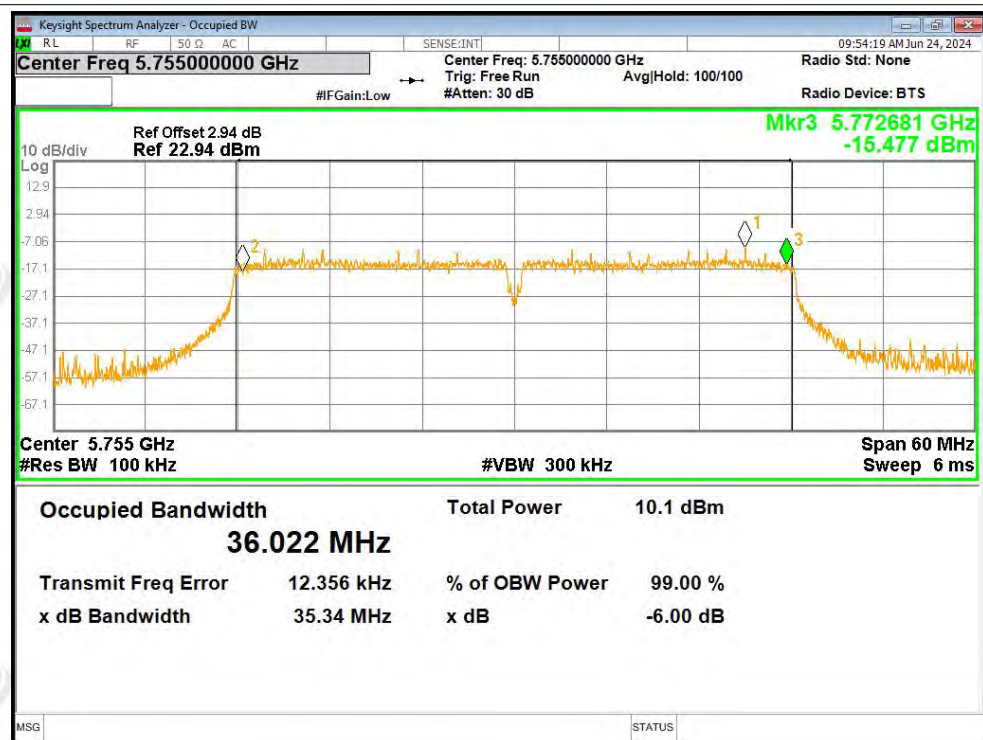


-6dB Bandwidth NVNT ac20 5825MHz Ant2

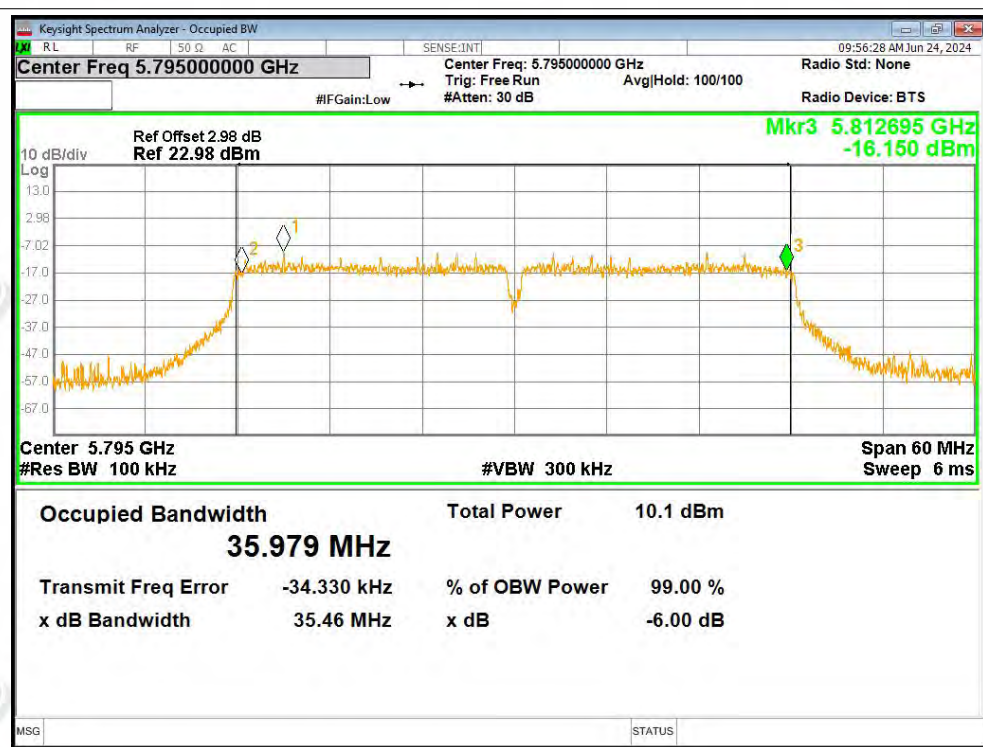




-6dB Bandwidth NVNT ac40 5755MHz Ant1

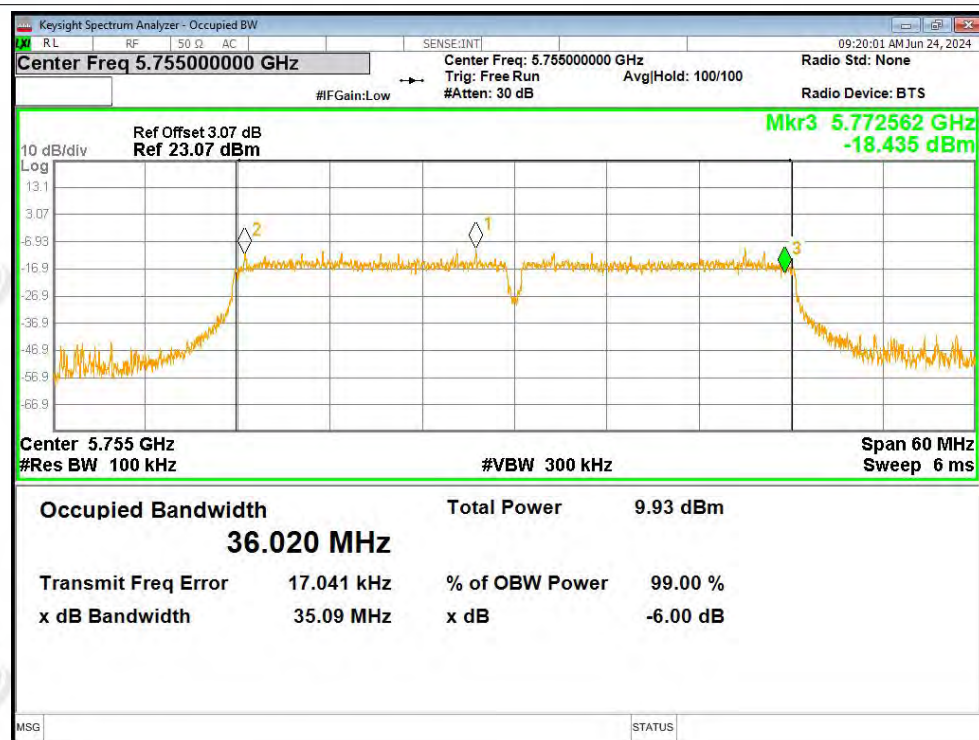


-6dB Bandwidth NVNT ac40 5795MHz Ant1





-6dB Bandwidth NVNT ac40 5755MHz Ant2

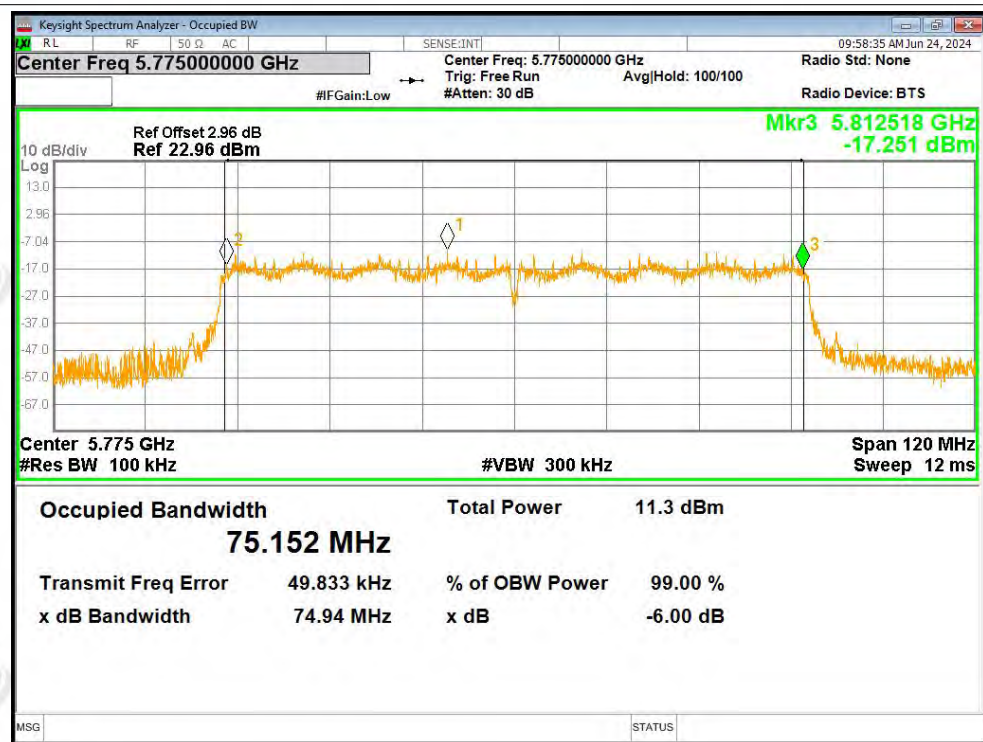


-6dB Bandwidth NVNT ac40 5795MHz Ant2

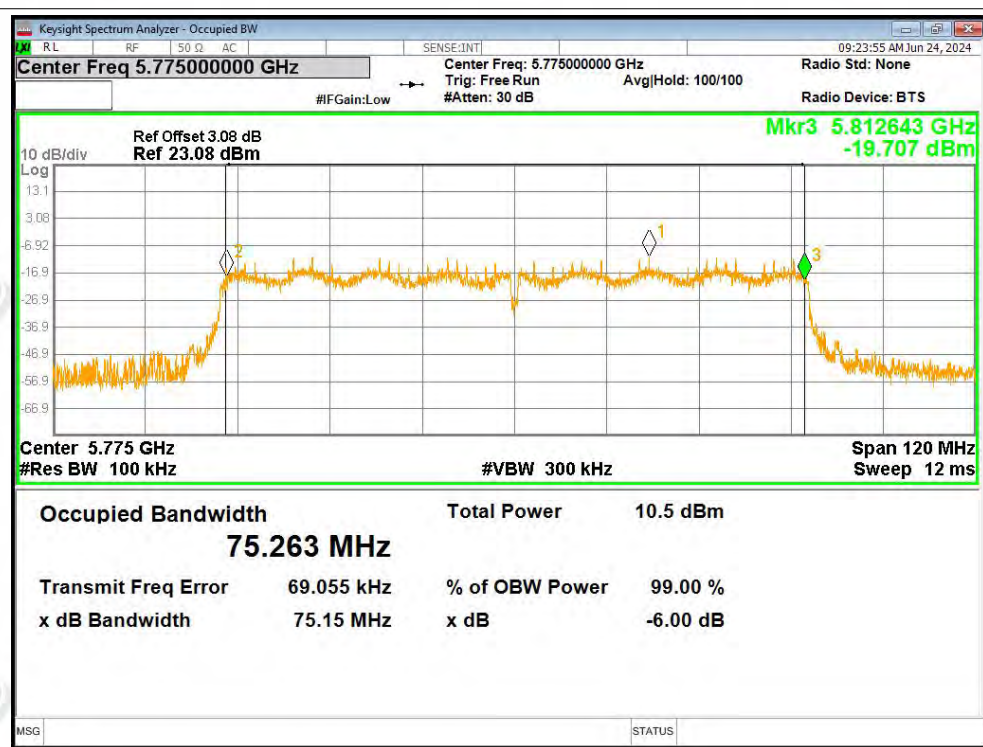




-6dB Bandwidth NVNT ac80 5775MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant2



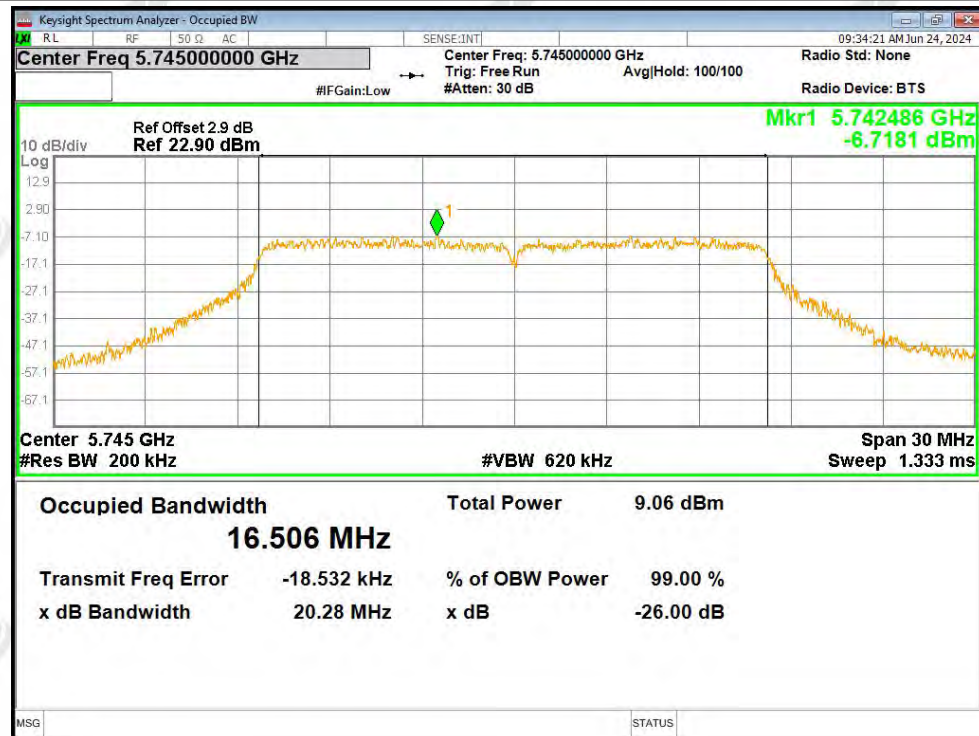
**ZHONGHAN****B4. Occupied Channel Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.506
NVNT	a	5785	Ant1	16.502
NVNT	a	5825	Ant1	16.507
NVNT	a	5745	Ant2	16.502
NVNT	a	5785	Ant2	16.515
NVNT	a	5825	Ant2	16.543
NVNT	n20	5745	Ant1	17.606
NVNT	n20	5785	Ant1	17.605
NVNT	n20	5825	Ant1	17.642
NVNT	n20	5745	Ant2	17.621
NVNT	n20	5785	Ant2	17.601
NVNT	n20	5825	Ant2	17.618
NVNT	n40	5755	Ant1	36.115
NVNT	n40	5795	Ant1	36.196
NVNT	n40	5755	Ant2	36.188
NVNT	n40	5795	Ant2	36.165
NVNT	ac20	5745	Ant1	17.614
NVNT	ac20	5785	Ant1	17.613
NVNT	ac20	5825	Ant1	17.64
NVNT	ac20	5745	Ant2	17.597
NVNT	ac20	5785	Ant2	17.627
NVNT	ac20	5825	Ant2	17.632
NVNT	ac40	5755	Ant1	36.197
NVNT	ac40	5795	Ant1	36.166
NVNT	ac40	5755	Ant2	36.091
NVNT	ac40	5795	Ant2	36.127
NVNT	ac80	5775	Ant1	75.444
NVNT	ac80	5775	Ant2	75.42



Test Graphs

OBW NVNT a 5745MHz Ant1



OBW NVNT a 5785MHz Ant1

