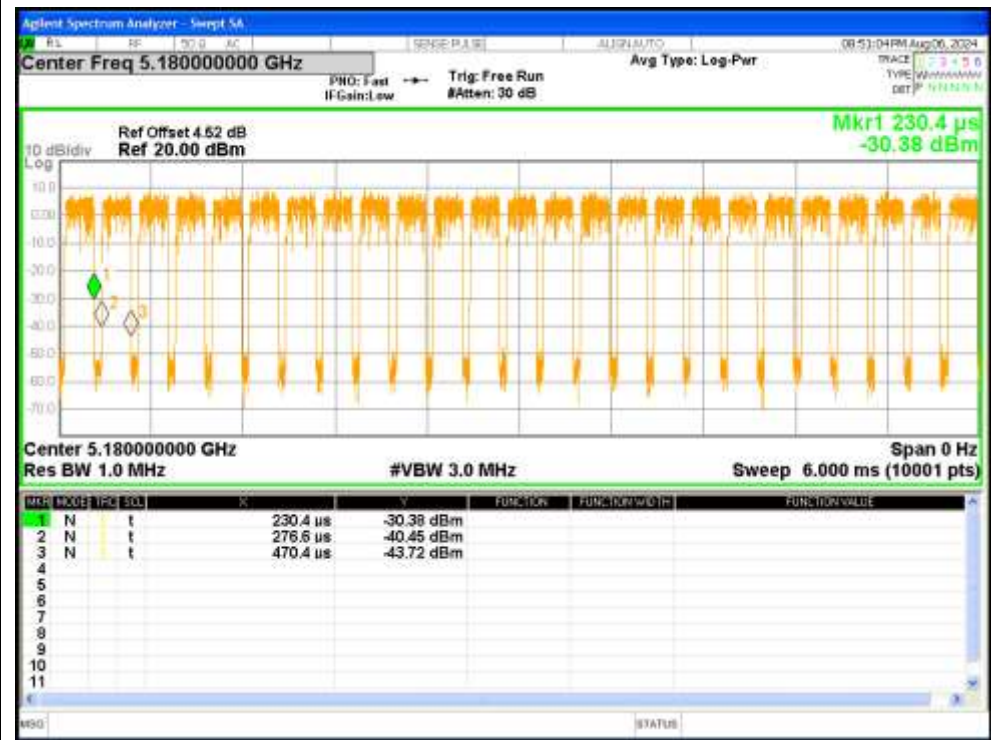


1. Duty Cycle

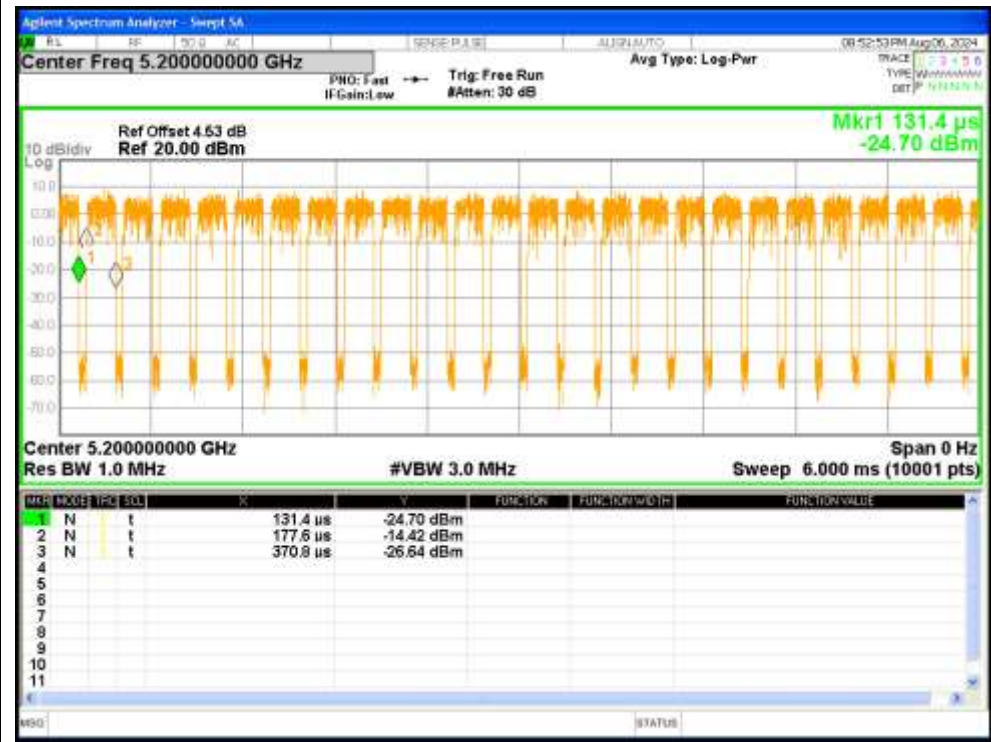
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	80.75	0.93	5.16
NVNT	a	5200	Ant1	80.7	0.93	5.18
NVNT	a	5240	Ant1	80.55	0.94	5.16
NVNT	a	5180	Ant2	80.9	0.92	5.18
NVNT	a	5200	Ant2	80.5	0.94	5.18
NVNT	a	5240	Ant2	80.7	0.93	5.18
NVNT	ac20	5180	Sum	87.36	0.59	3.11
NVNT	ac20	5200	Sum	87.23	0.59	3.12
NVNT	ac20	5240	Sum	87.36	0.59	3.11
NVNT	ac40	5190	Sum	85.9	0.66	3.32
NVNT	ac40	5230	Sum	86.14	0.65	3.32
NVNT	ac80	5210	Sum	85.58	0.68	3.45
NVNT	n20	5180	Sum	88.44	0.53	2.83
NVNT	n20	5200	Sum	88.29	0.54	2.83
NVNT	n20	5240	Sum	88.31	0.54	2.83
NVNT	n40	5190	Sum	87.32	0.59	2.93
NVNT	n40	5230	Sum	88.11	0.55	2.93

Test Graphs

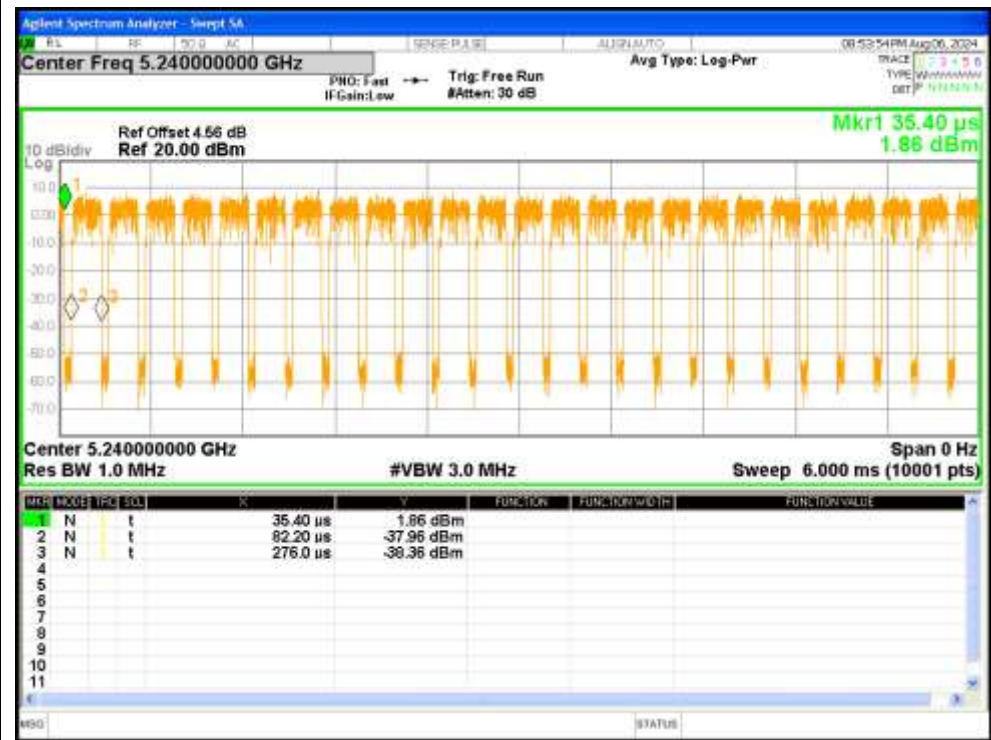
Duty Cycle NVNT a 5180MHz Ant1



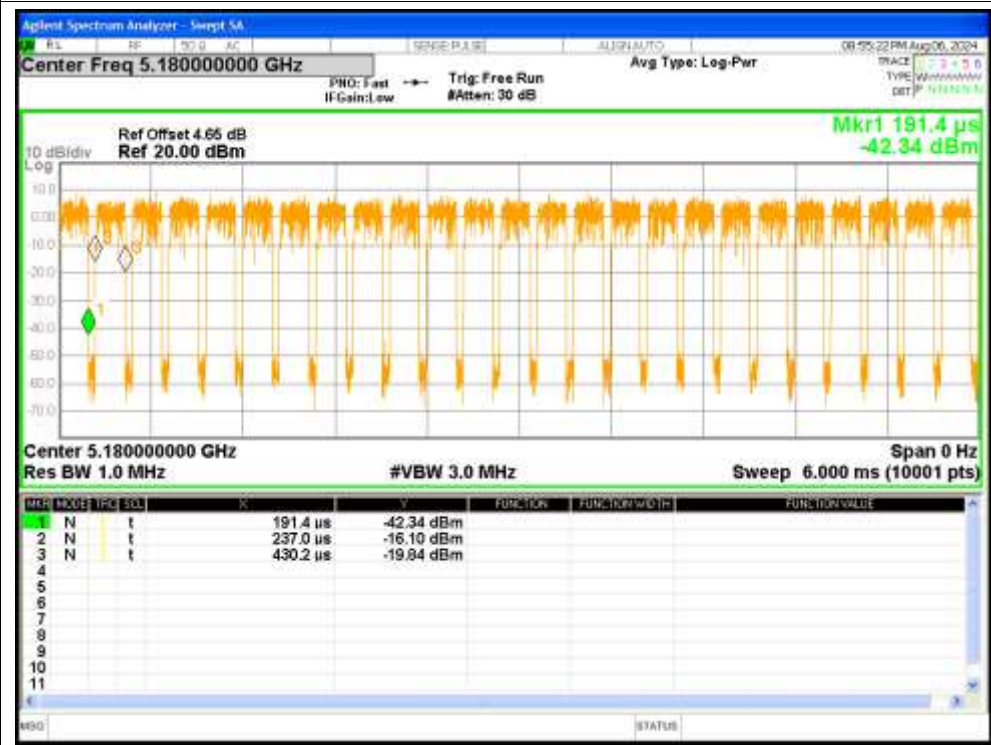
Duty Cycle NVNT a 5200MHz Ant1



Duty Cycle NVNT a 5240MHz Ant1

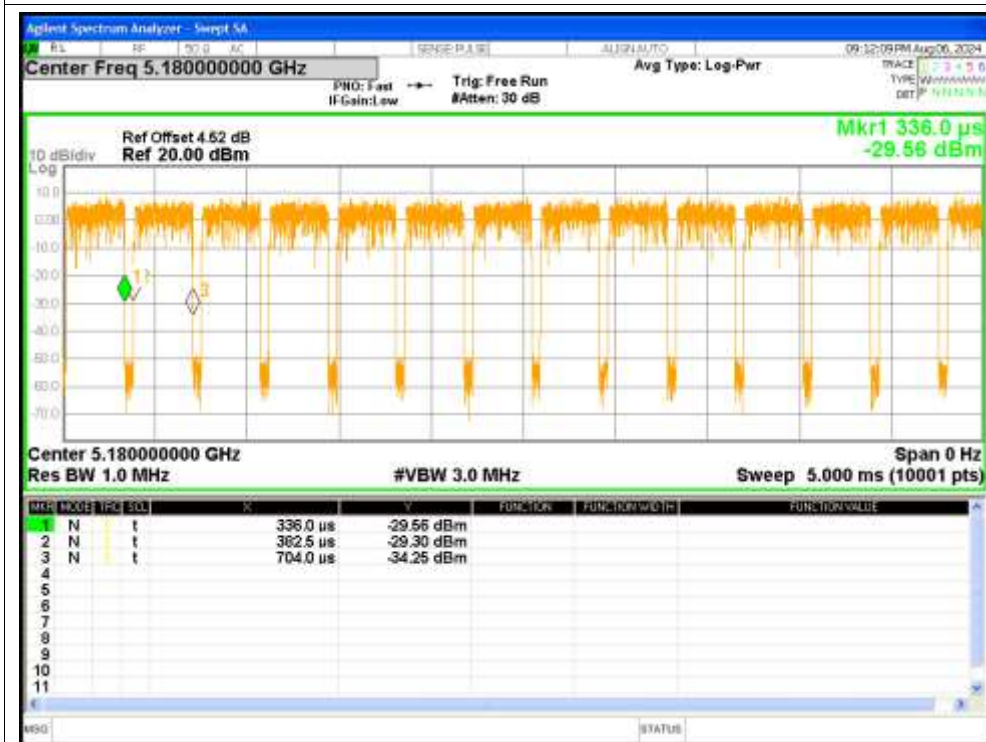


Duty Cycle NVNT a 5180MHz Ant2

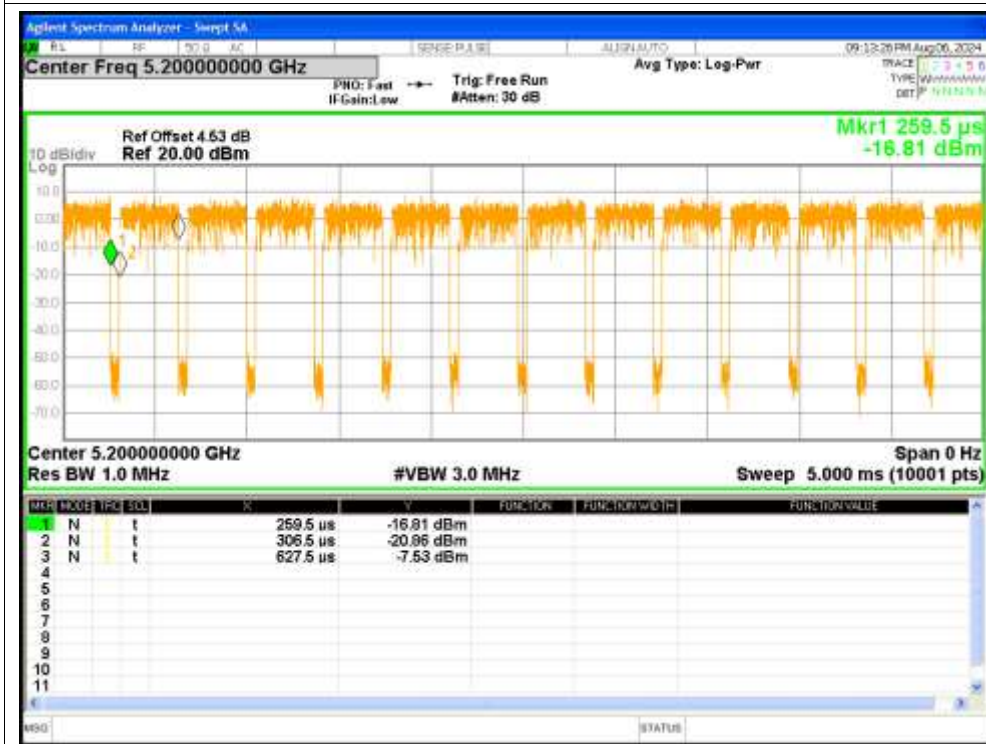


Duty Cycle NVNT a 5200MHz Ant2

Duty Cycle NVNT ac20 5180MHz Sum



Duty Cycle NVNT ac20 5200MHz Sum

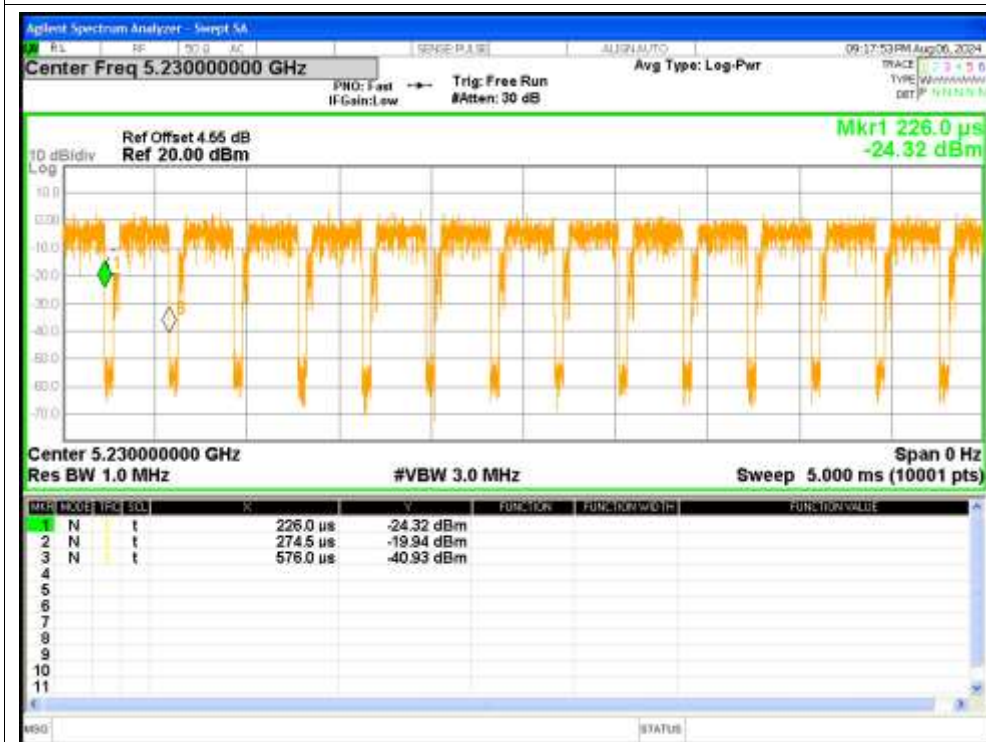


The screenshot shows an Agilent Spectrum Analyzer interface. The main display is a spectral plot with a center frequency of 5.24000000 GHz and a resolution bandwidth of 1.0 MHz. The signal is a periodic pulse train. A measurement marker (Mkr1) is placed on the signal, indicating a period of 280.5 μs and a level of -19.18 dBm. The interface also shows various settings like PNO: Fast, IF Gain: Low, and Trg: Free Run. The bottom of the screen displays a table of measurement data.

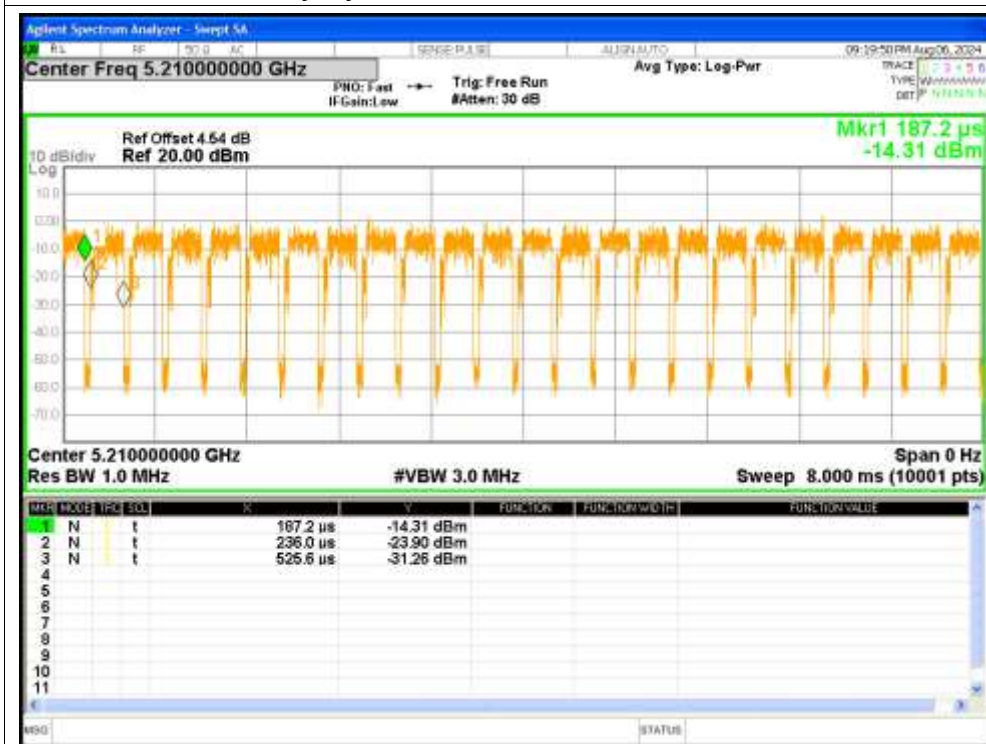
MKR	MODE	TRF	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	t		280.5 μs	-19.18 dBm			
2	N	t		327.0 μs	-34.96 dBm			
3	N	t		648.5 μs	-20.97 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

[illegible]

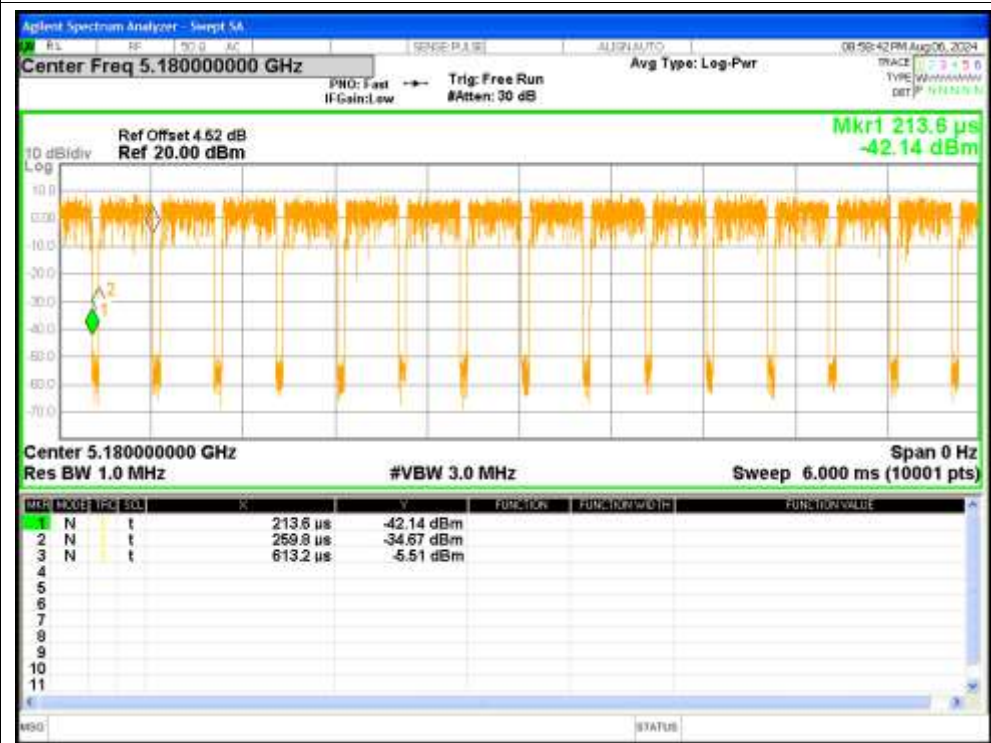
Duty Cycle NVNT ac40 5230MHz Sum



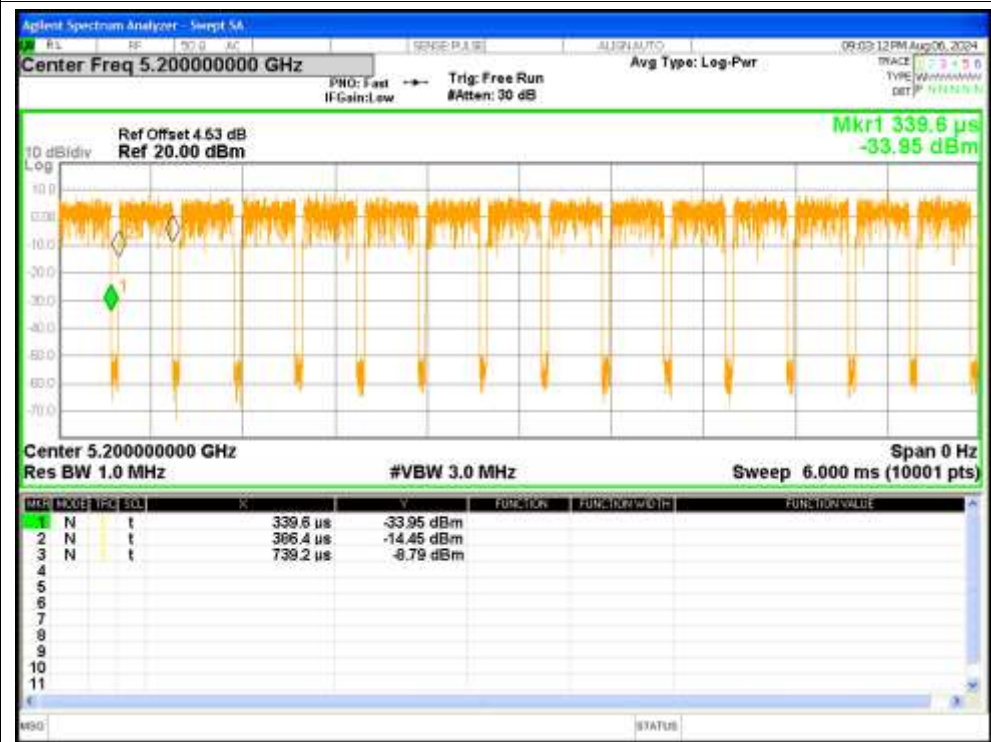
Duty Cycle NVNT ac80 5210MHz Sum			
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
37	38	39	40
41	42	43	44
45	46	47	48
49	50	51	52
53	54	55	56
57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
77	78	79	80
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100



Duty Cycle NVNT n20 5180MHz Sum



Duty Cycle NVNT n20 5200MHz Sum

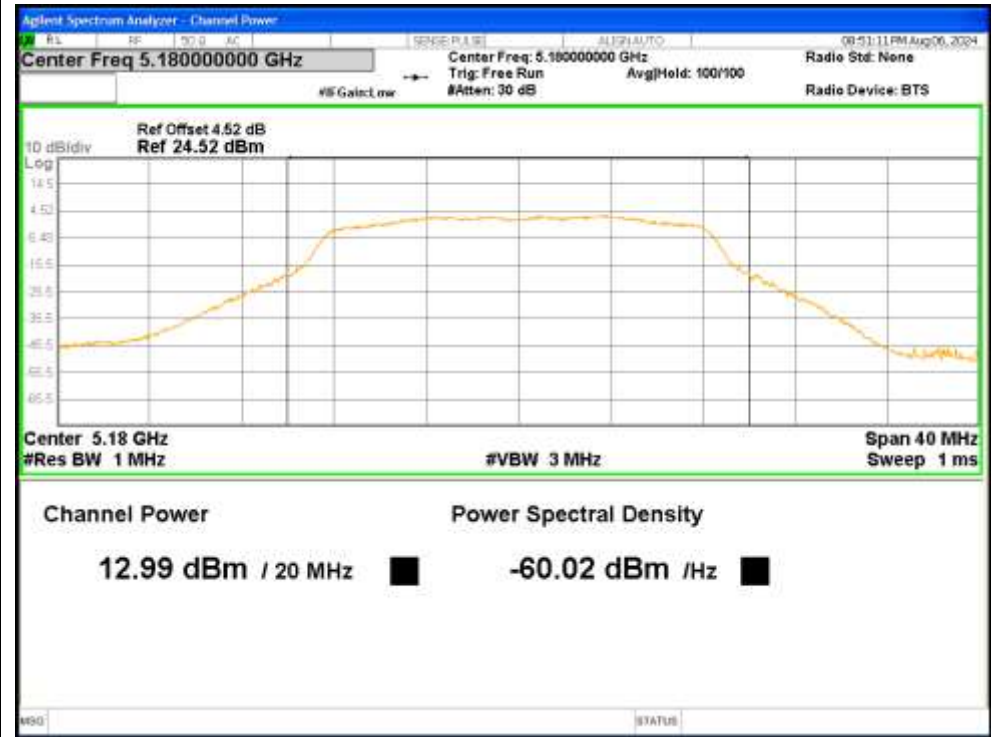


2. Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.99	0.93	13.92	<=24	Pass
NVNT	a	5200	Ant1	12.49	0.93	13.42	<=24	Pass
NVNT	a	5240	Ant1	12.52	0.94	13.46	<=24	Pass
NVNT	a	5180	Ant2	11.72	0.92	12.64	<=24	Pass
NVNT	a	5200	Ant2	10.17	0.94	11.11	<=24	Pass
NVNT	a	5240	Ant2	10.72	0.93	11.65	<=24	Pass
NVNT	ac20	5180	Ant1	13.1	0.59	13.69	<=24	Pass
NVNT	ac20	5180	Ant2	11.67	0.59	12.26	<=24	Pass
NVNT	ac20	5180	Sum	15.45	0.59	16.04	<=23.54	Pass
NVNT	ac20	5200	Ant1	12.71	0.59	13.3	<=24	Pass
NVNT	ac20	5200	Ant2	10.35	0.59	10.94	<=24	Pass
NVNT	ac20	5200	Sum	14.7	0.59	15.29	<=23.54	Pass
NVNT	ac20	5240	Ant1	12.78	0.59	13.37	<=24	Pass
NVNT	ac20	5240	Ant2	10.6	0.59	11.19	<=24	Pass
NVNT	ac20	5240	Sum	14.84	0.59	15.43	<=23.54	Pass
NVNT	ac40	5190	Ant1	13.14	0.66	13.8	<=24	Pass
NVNT	ac40	5190	Ant2	11.22	0.66	11.88	<=24	Pass
NVNT	ac40	5190	Sum	15.3	0.66	15.96	<=23.54	Pass
NVNT	ac40	5230	Ant1	13.15	0.65	13.8	<=24	Pass
NVNT	ac40	5230	Ant2	10.88	0.65	11.53	<=24	Pass
NVNT	ac40	5230	Sum	15.17	0.65	15.82	<=23.54	Pass
NVNT	ac80	5210	Ant1	13.01	0.68	13.69	<=24	Pass
NVNT	ac80	5210	Ant2	11	0.68	11.68	<=24	Pass
NVNT	ac80	5210	Sum	15.13	0.68	15.81	<=23.54	Pass
NVNT	n20	5180	Ant1	13.26	0.53	13.79	<=24	Pass
NVNT	n20	5180	Ant2	11.65	0.53	12.18	<=24	Pass
NVNT	n20	5180	Sum	15.54	0.53	16.07	<=23.54	Pass
NVNT	n20	5200	Ant1	12.81	0.54	13.35	<=24	Pass
NVNT	n20	5200	Ant2	10.42	0.54	10.96	<=24	Pass
NVNT	n20	5200	Sum	14.79	0.54	15.33	<=23.54	Pass
NVNT	n20	5240	Ant1	12.9	0.54	13.44	<=24	Pass
NVNT	n20	5240	Ant2	10.7	0.54	11.24	<=24	Pass
NVNT	n20	5240	Sum	14.95	0.54	15.49	<=23.54	Pass
NVNT	n40	5190	Ant1	13.23	0.59	13.82	<=24	Pass
NVNT	n40	5190	Ant2	11.41	0.59	12	<=24	Pass
NVNT	n40	5190	Sum	15.42	0.59	16.01	<=23.54	Pass
NVNT	n40	5230	Ant1	13.28	0.55	13.83	<=24	Pass
NVNT	n40	5230	Ant2	11.09	0.55	11.64	<=24	Pass
NVNT	n40	5230	Sum	15.33	0.55	15.88	<=23.54	Pass

Test Graphs

Power NVNT a 5180MHz Ant1



Power NVNT a 5200MHz Ant1



Power NVNT a 5240MHz Ant1



Power NVNT a 5180MHz Ant2



Power NVNT a 5200MHz Ant2



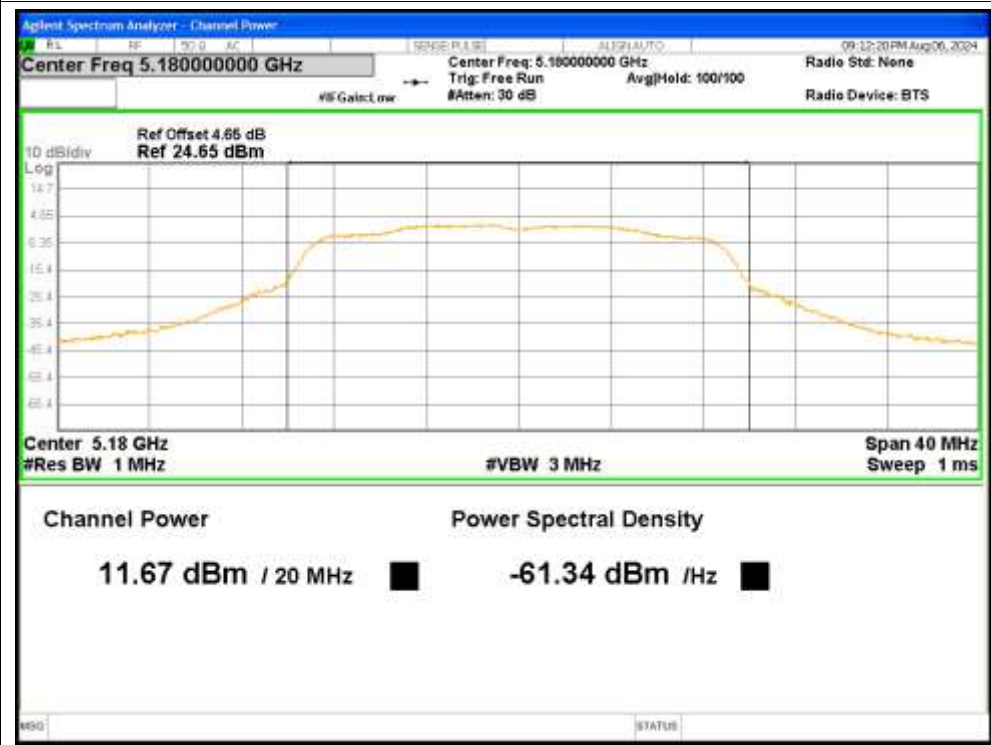
Power NVNT a 5240MHz Ant2



Power NVNT ac20 5180MHz Ant1



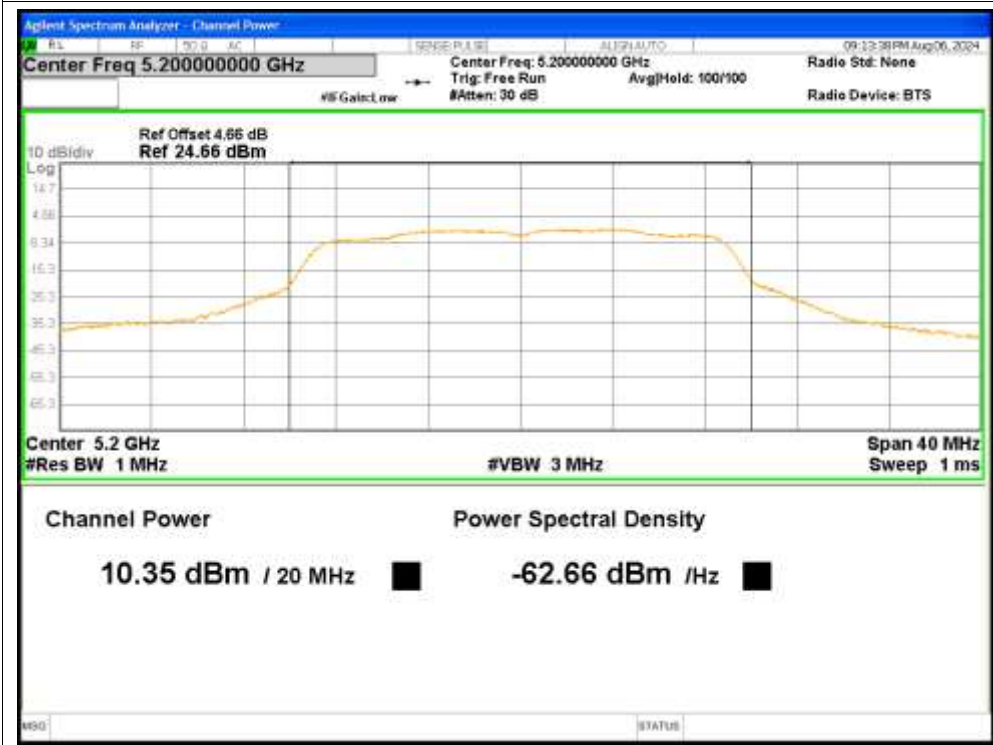
Power NVNT ac20 5180MHz Ant2



Power NVNT ac20 5200MHz Ant1



Power NVNT ac20 5200MHz Ant2



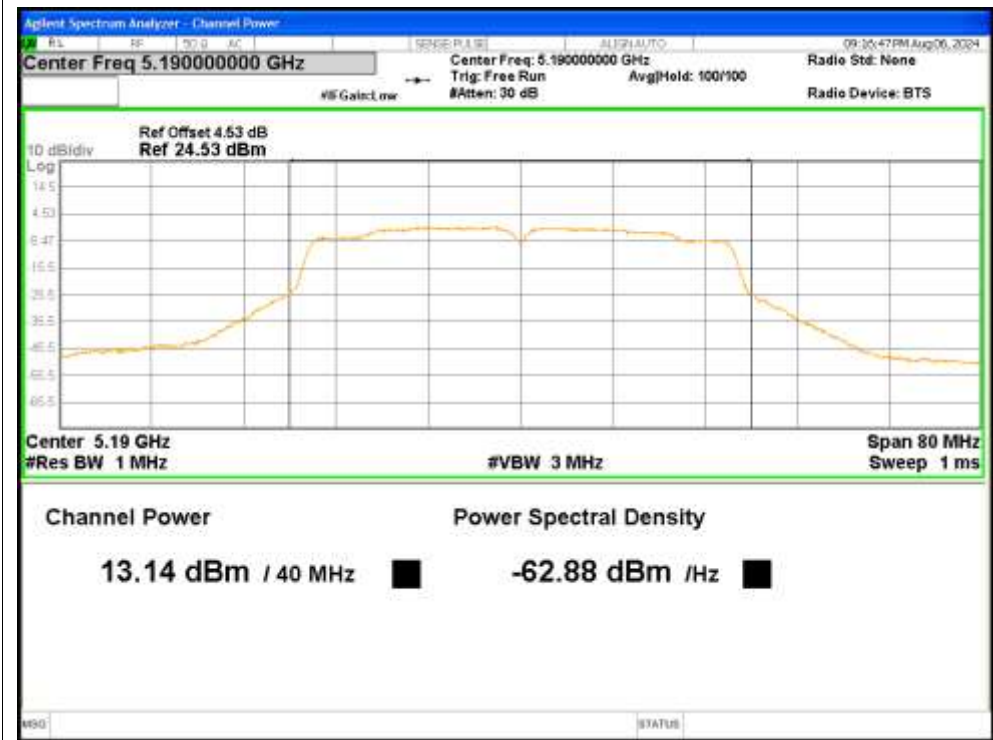
Power NVNT ac20 5240MHz Ant1



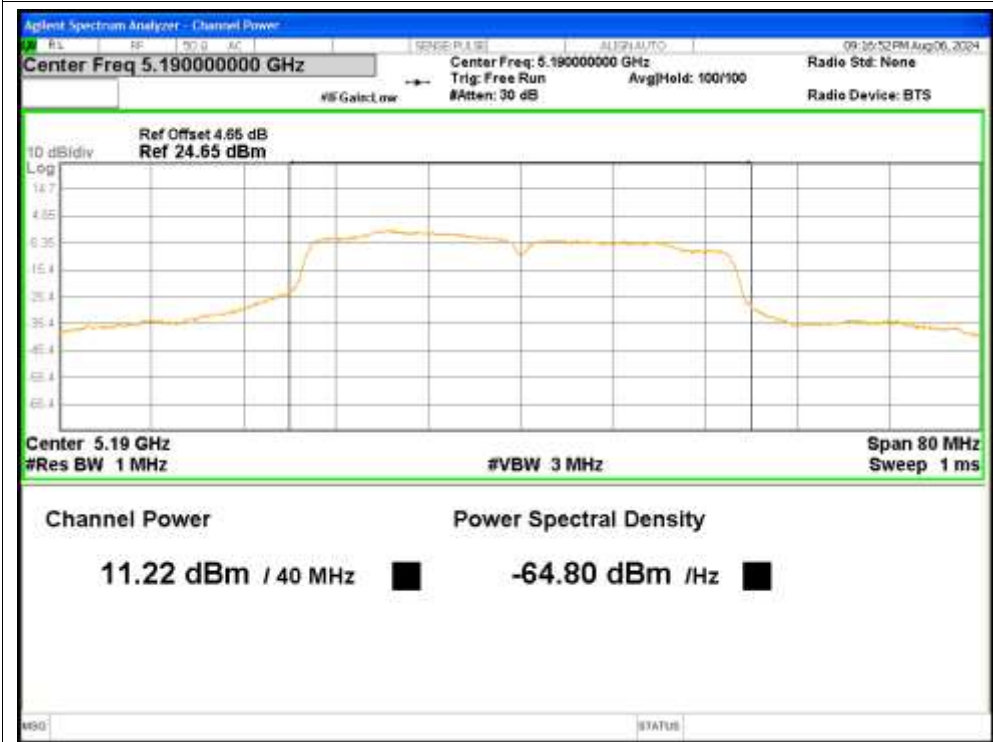
Power NVNT ac20 5240MHz Ant2



Power NVNT ac40 5190MHz Ant1



Power NVNT ac40 5190MHz Ant2



Power NVNT ac40 5230MHz Ant1



Power NVNT ac40 5230MHz Ant2



Power NVNT ac80 5210MHz Ant1



Power NVNT ac80 5210MHz Ant2



Power NVNT n20 5180MHz Ant1



Power NVNT n20 5180MHz Ant2



Power NVNT n20 5200MHz Ant1



Power NVNT n20 5200MHz Ant2



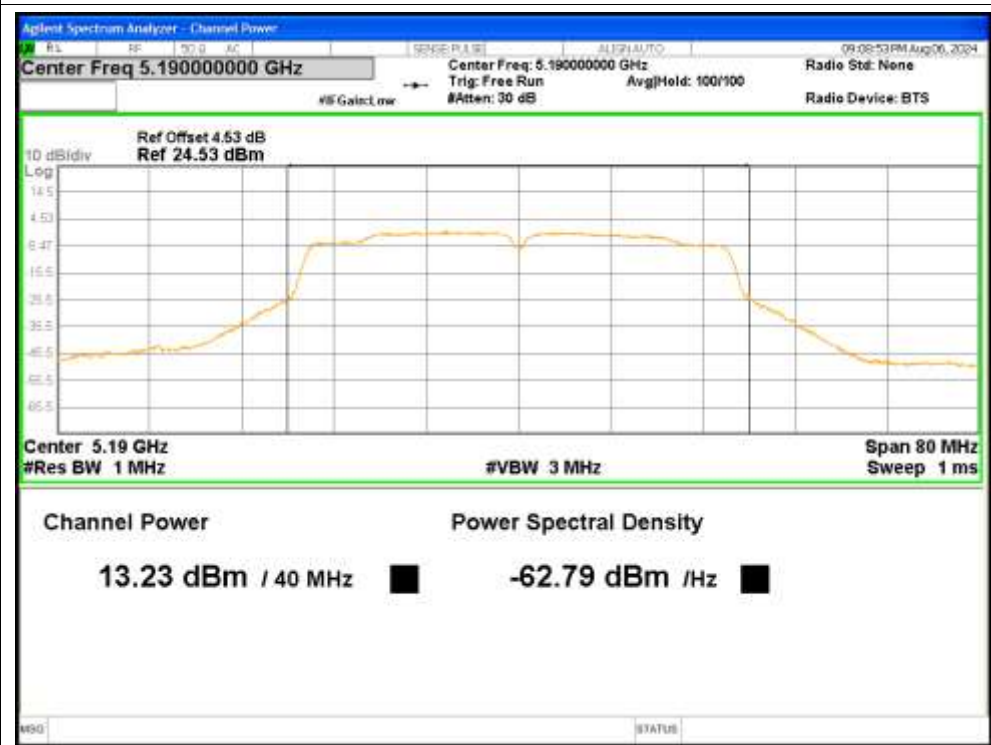
Power NVNT n20 5240MHz Ant1



Power NVNT n20 5240MHz Ant2



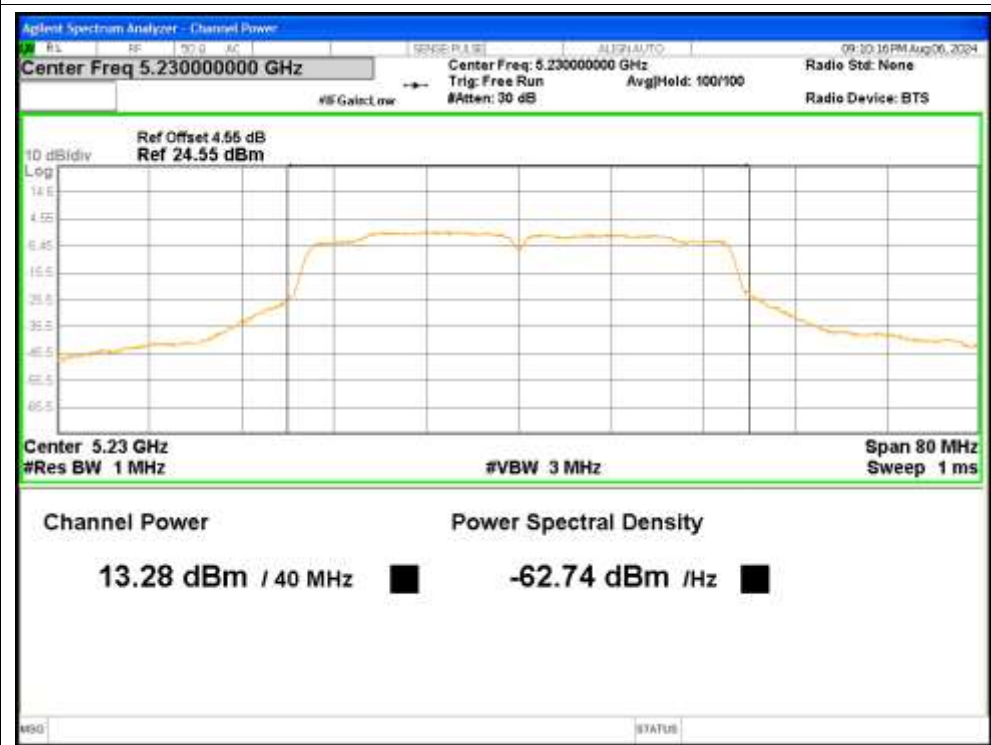
Power NVNT n40 5190MHz Ant1



Power NVNT n40 5190MHz Ant2



Power NVNT n40 5230MHz Ant1



Power NVNT n40 5230MHz Ant2



3. -26dB Bandwidth

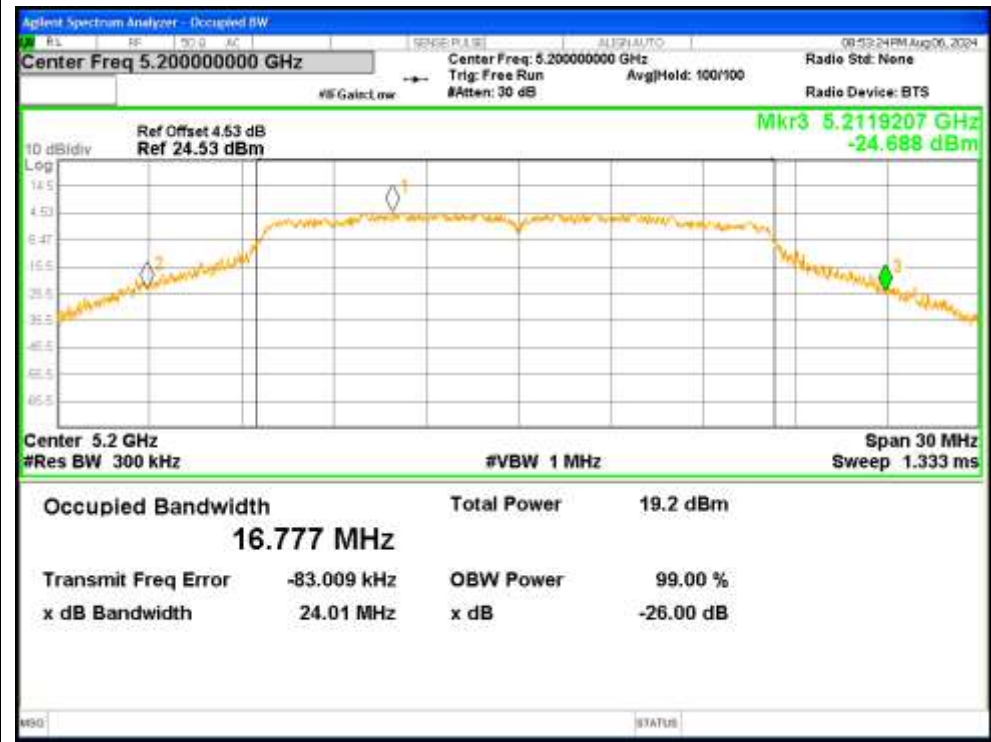
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	23.2664	Pass
NVNT	a	5200	Ant1	24.0075	Pass
NVNT	a	5240	Ant1	24.1813	Pass
NVNT	a	5180	Ant2	23.2791	Pass
NVNT	a	5200	Ant2	24.1067	Pass
NVNT	a	5240	Ant2	23.0947	Pass
NVNT	ac20	5180	Ant1	24.284	Pass
NVNT	ac20	5180	Ant2	23.7732	Pass
NVNT	ac20	5200	Ant1	24.6171	Pass
NVNT	ac20	5200	Ant2	24.2388	Pass
NVNT	ac20	5240	Ant1	24.8235	Pass
NVNT	ac20	5240	Ant2	24.4365	Pass
NVNT	ac40	5190	Ant1	40.1943	Pass
NVNT	ac40	5190	Ant2	40.2579	Pass
NVNT	ac40	5230	Ant1	40.427	Pass
NVNT	ac40	5230	Ant2	40.4197	Pass
NVNT	ac80	5210	Ant1	80.68	Pass
NVNT	ac80	5210	Ant2	80.844	Pass
NVNT	n20	5180	Ant1	24.5451	Pass
NVNT	n20	5180	Ant2	23.6459	Pass
NVNT	n20	5200	Ant1	24.5973	Pass
NVNT	n20	5200	Ant2	25.0015	Pass
NVNT	n20	5240	Ant1	25.0766	Pass
NVNT	n20	5240	Ant2	23.8698	Pass
NVNT	n40	5190	Ant1	40.094	Pass
NVNT	n40	5190	Ant2	40.4439	Pass
NVNT	n40	5230	Ant1	40.737	Pass
NVNT	n40	5230	Ant2	40.3295	Pass

Test Graphs

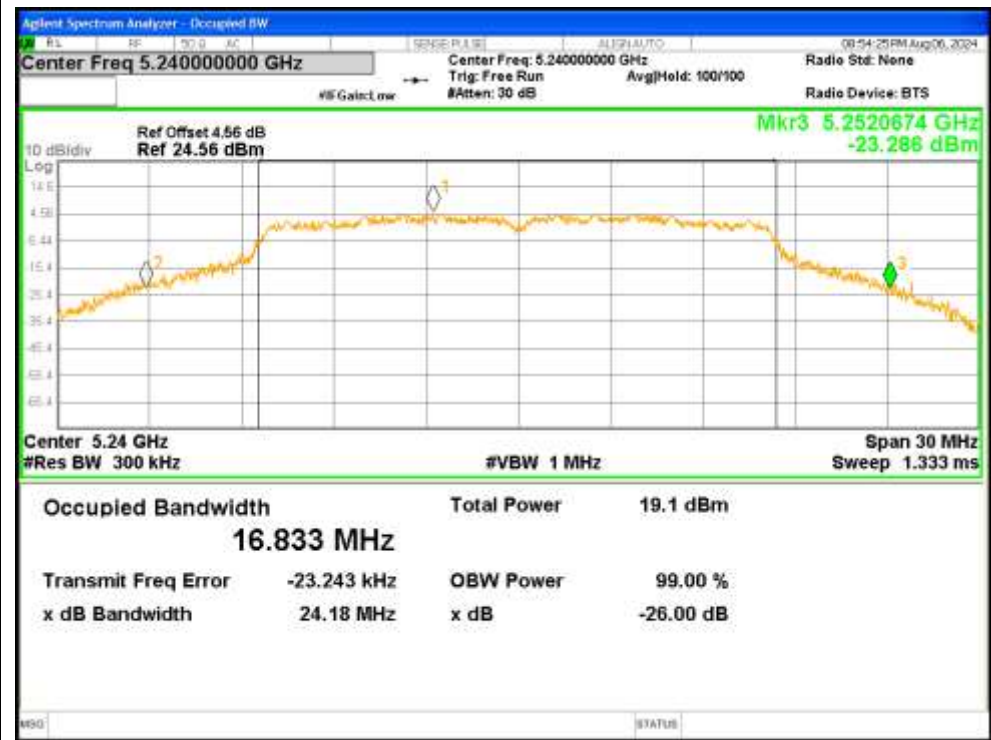
-26dB Bandwidth NVNT a 5180MHz Ant1



-26dB Bandwidth NVNT a 5200MHz Ant1



-26dB Bandwidth NVNT a 5240MHz Ant1

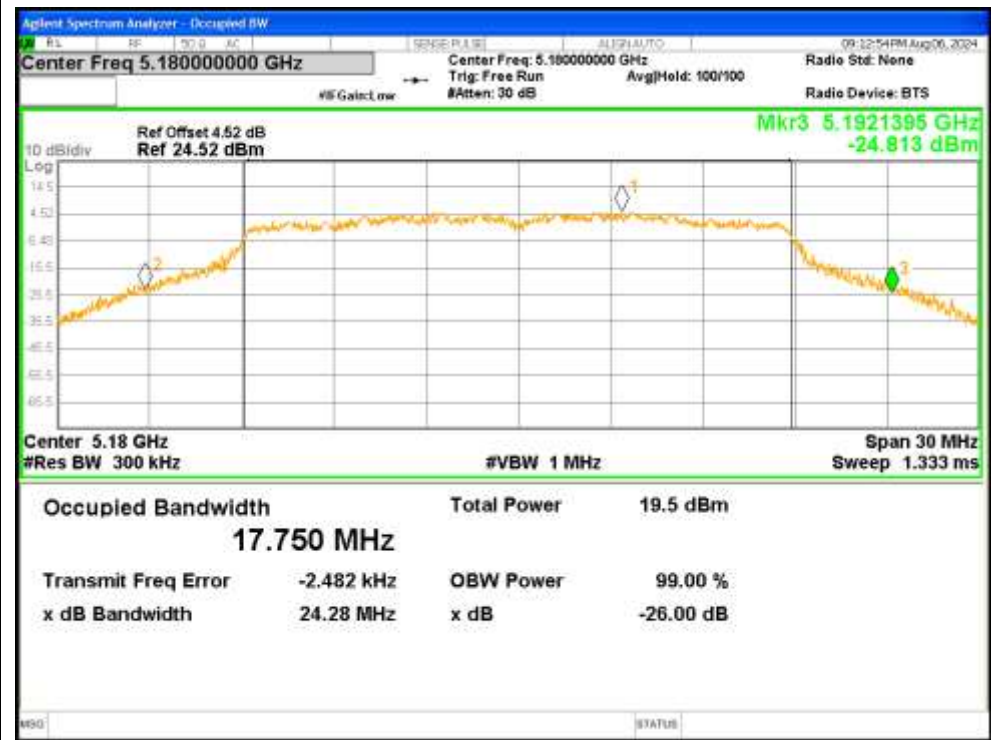


-26dB Bandwidth NVNT a 5180MHz Ant2



-26dB Bandwidth NVNT a 5200MHz Ant2**-26dB Bandwidth NVNT a 5240MHz Ant2**

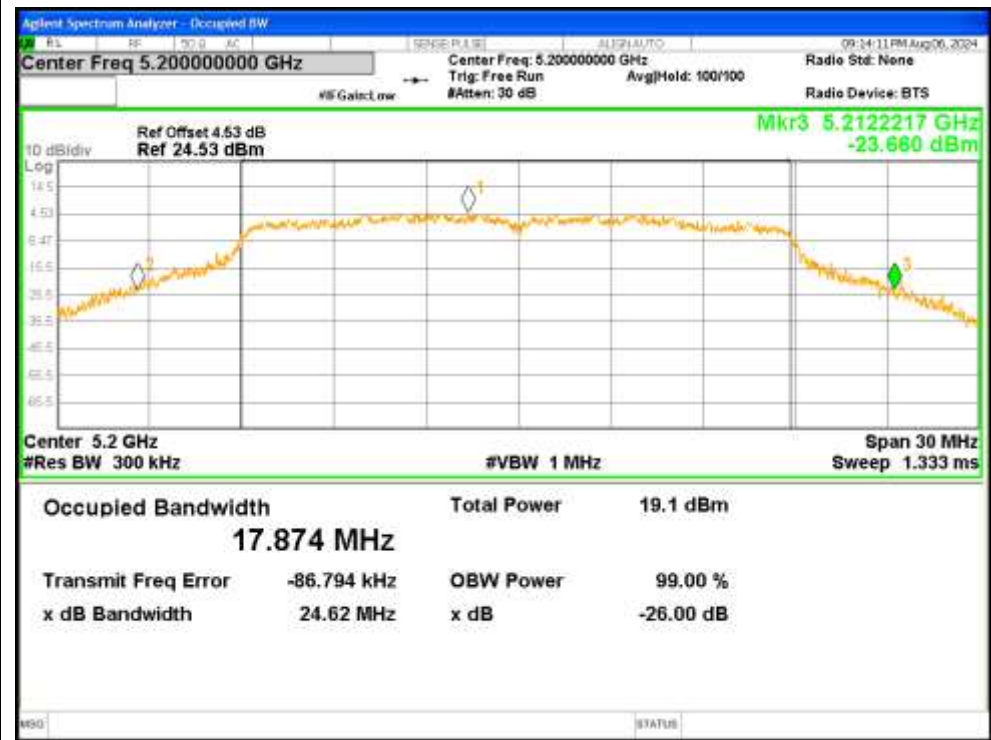
-26dB Bandwidth NVNT ac20 5180MHz Ant1



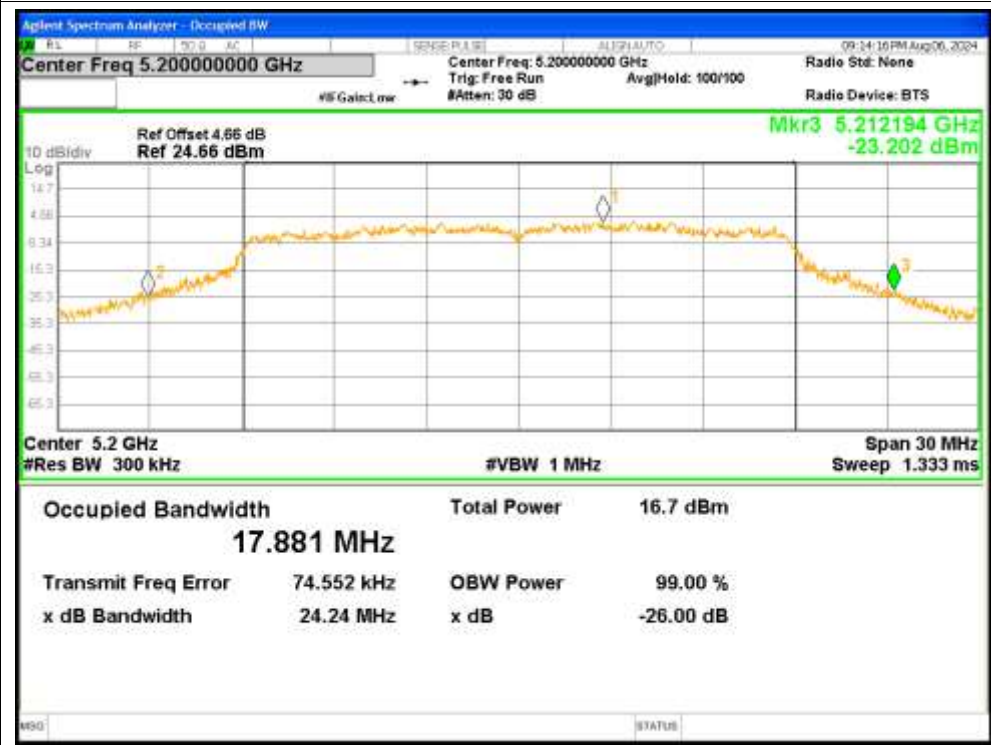
-26dB Bandwidth NVNT ac20 5180MHz Ant2



-26dB Bandwidth NVNT ac20 5200MHz Ant1



-26dB Bandwidth NVNT ac20 5200MHz Ant2



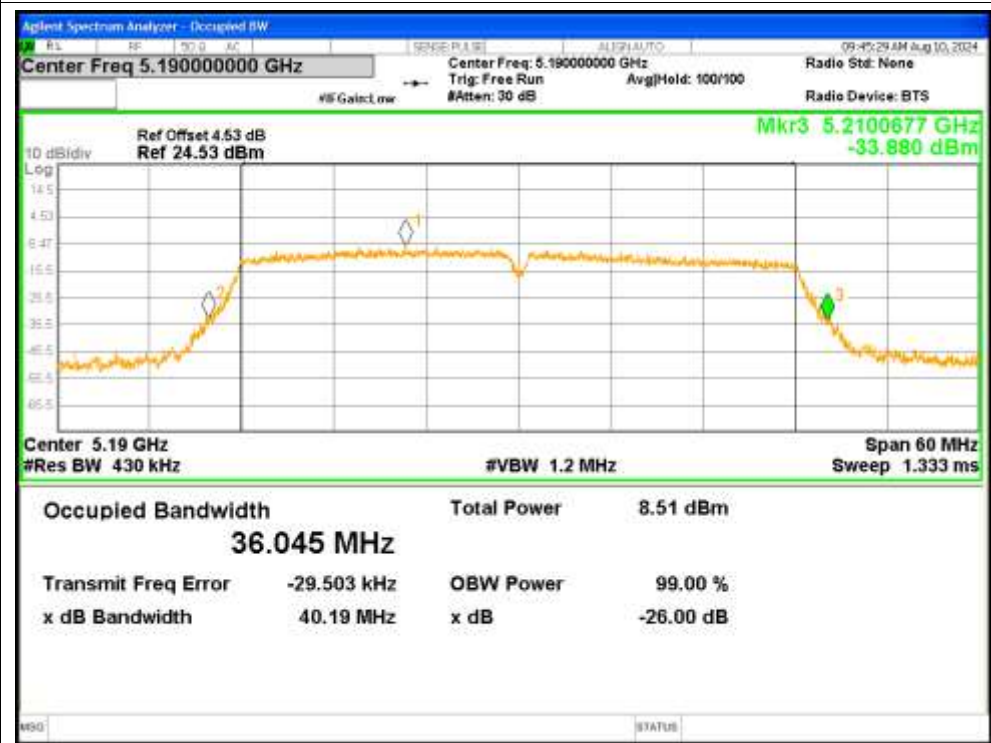
-26dB Bandwidth NVNT ac20 5240MHz Ant1



-26dB Bandwidth NVNT ac20 5240MHz Ant2



-26dB Bandwidth NVNT ac40 5190MHz Ant1

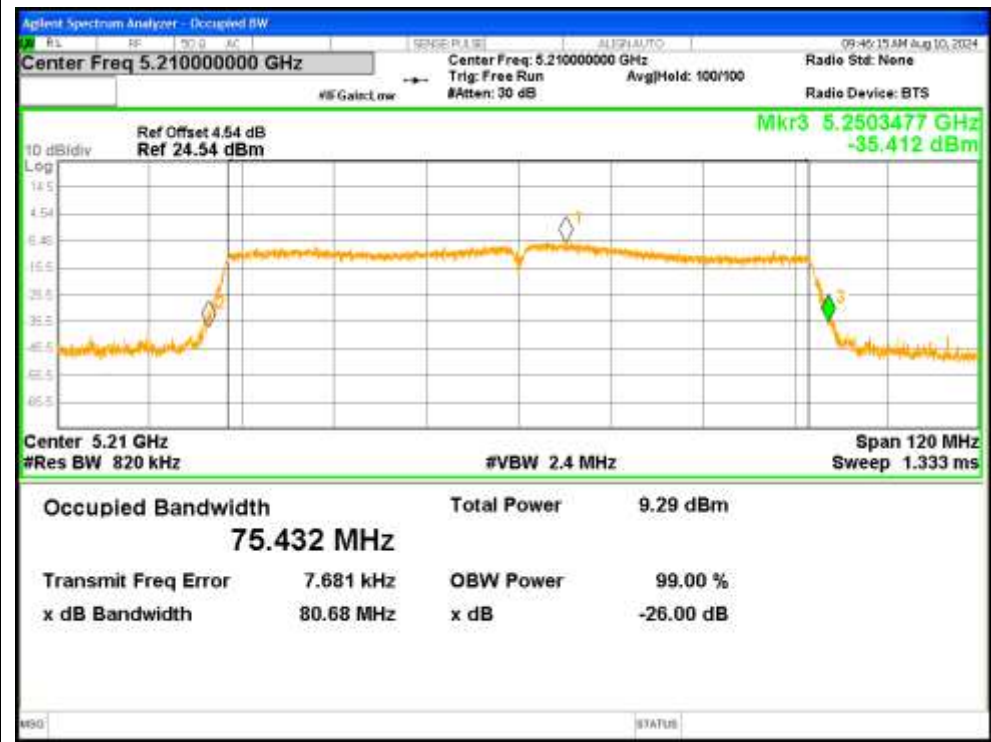


-26dB Bandwidth NVNT ac40 5190MHz Ant2

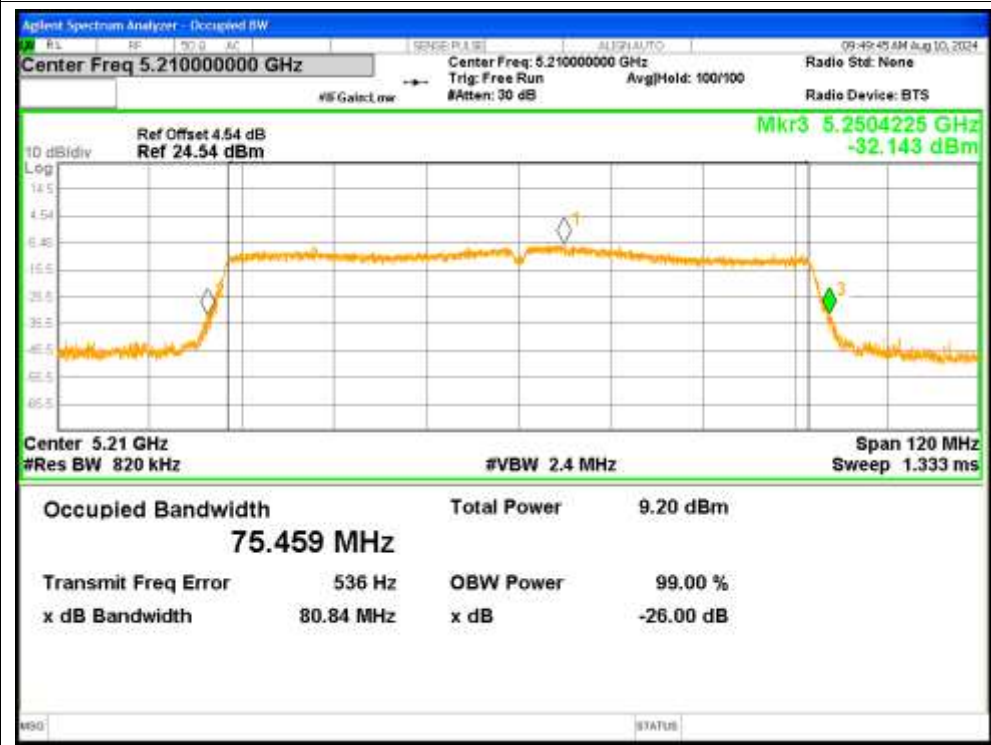


-26dB Bandwidth NVNT ac40 5230MHz Ant1**-26dB Bandwidth NVNT ac40 5230MHz Ant2**

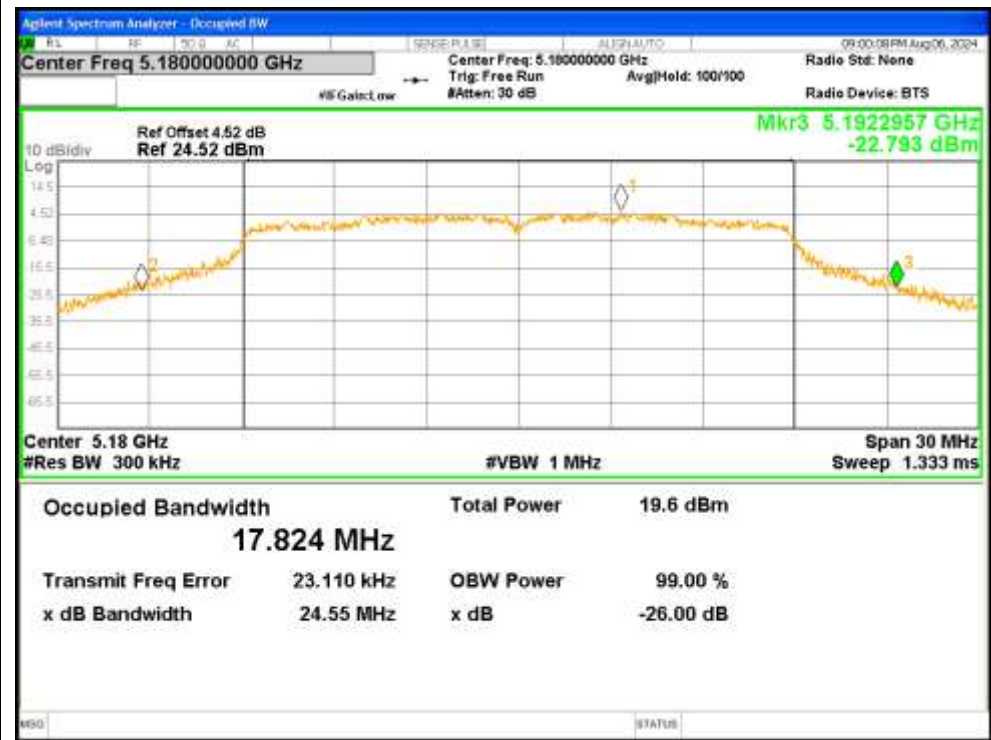
-26dB Bandwidth NVNT ac80 5210MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant2



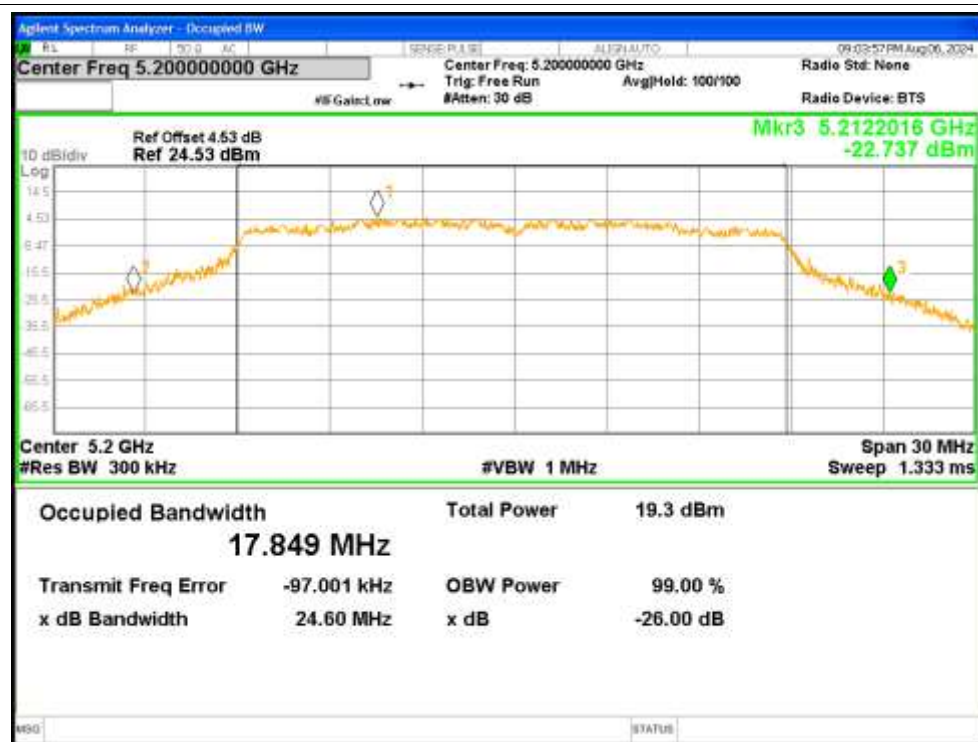
-26dB Bandwidth NVNT n20 5180MHz Ant1



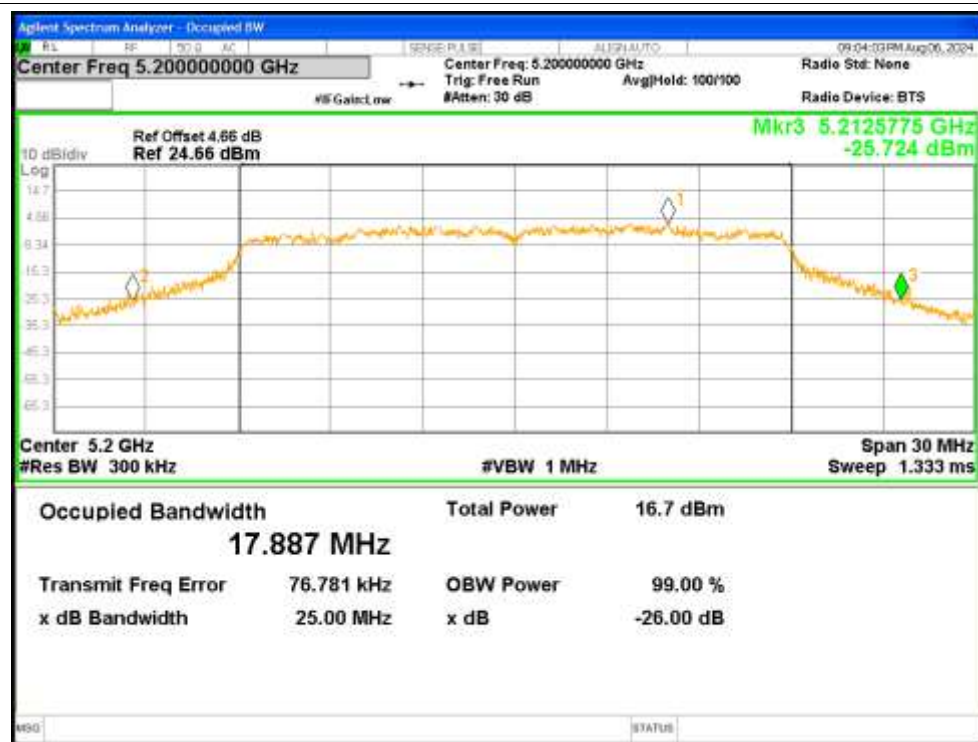
-26dB Bandwidth NVNT n20 5180MHz Ant2



-26dB Bandwidth NVNT n20 5200MHz Ant1



-26dB Bandwidth NVNT n20 5200MHz Ant2



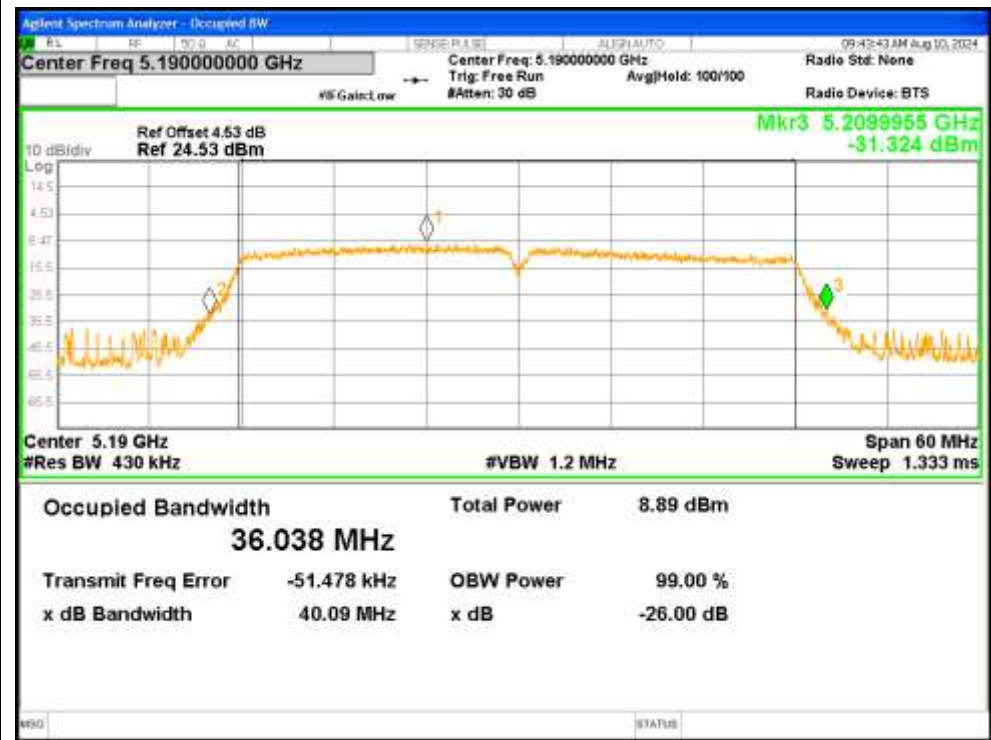
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n20 5240MHz Ant2



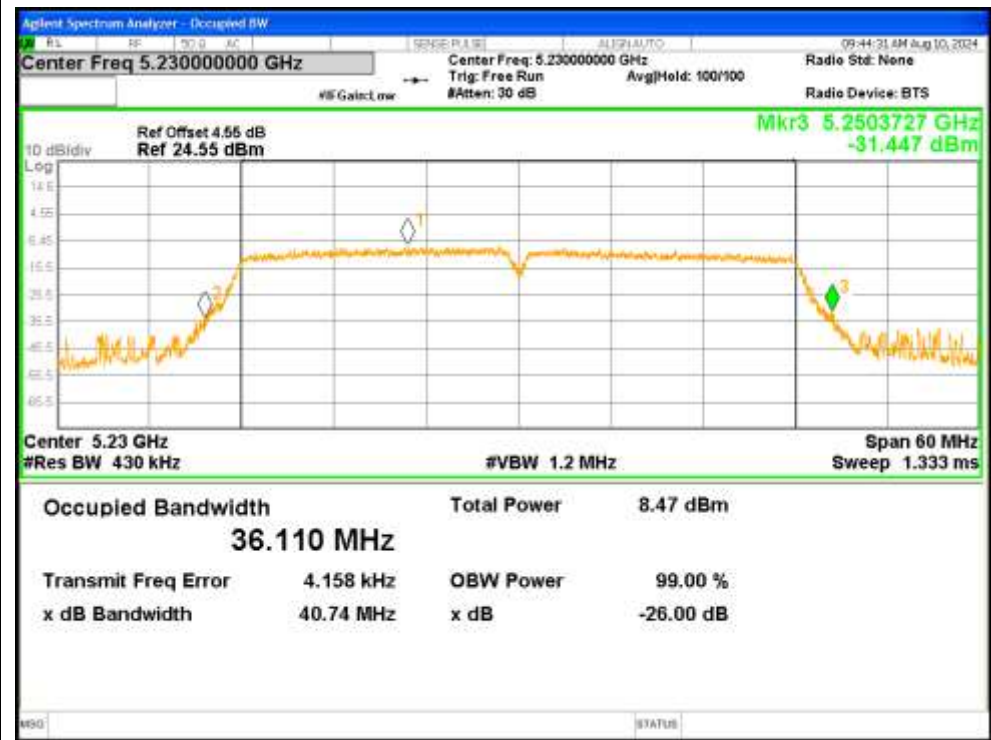
-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant2



-26dB Bandwidth NVNT n40 5230MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant2



4. Occupied Channel Bandwidth

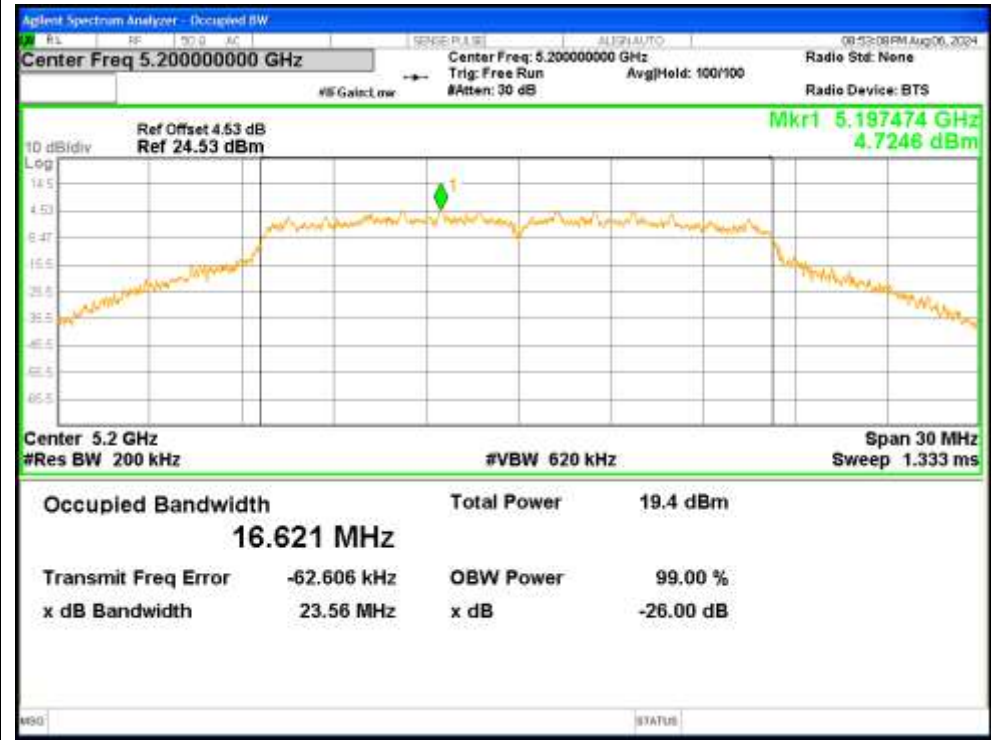
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.4902
NVNT	a	5200	Ant1	16.6209
NVNT	a	5240	Ant1	16.6642
NVNT	a	5180	Ant2	16.4528
NVNT	a	5200	Ant2	16.6624
NVNT	a	5240	Ant2	16.5578
NVNT	ac20	5180	Ant1	17.6702
NVNT	ac20	5180	Ant2	17.5711
NVNT	ac20	5200	Ant1	17.7255
NVNT	ac20	5200	Ant2	17.7766
NVNT	ac20	5240	Ant1	17.7791
NVNT	ac20	5240	Ant2	17.719
NVNT	ac40	5190	Ant1	35.9446
NVNT	ac40	5190	Ant2	36.0628
NVNT	ac40	5230	Ant1	36.0441
NVNT	ac40	5230	Ant2	36.1947
NVNT	ac80	5210	Ant1	75.0968
NVNT	ac80	5210	Ant2	75.376
NVNT	n20	5180	Ant1	17.7176
NVNT	n20	5180	Ant2	17.5589
NVNT	n20	5200	Ant1	17.7521
NVNT	n20	5200	Ant2	17.7698
NVNT	n20	5240	Ant1	17.7499
NVNT	n20	5240	Ant2	17.7245
NVNT	n40	5190	Ant1	35.8828
NVNT	n40	5190	Ant2	36.0543
NVNT	n40	5230	Ant1	36.0317
NVNT	n40	5230	Ant2	36.1781

Test Graphs

OBW NVNT a 5180MHz Ant1



OBW NVNT a 5200MHz Ant1



OBW NVNT a 5240MHz Ant1



OBW NVNT a 5180MHz Ant2



OBW NVNT a 5200MHz Ant2



OBW NVNT a 5240MHz Ant2



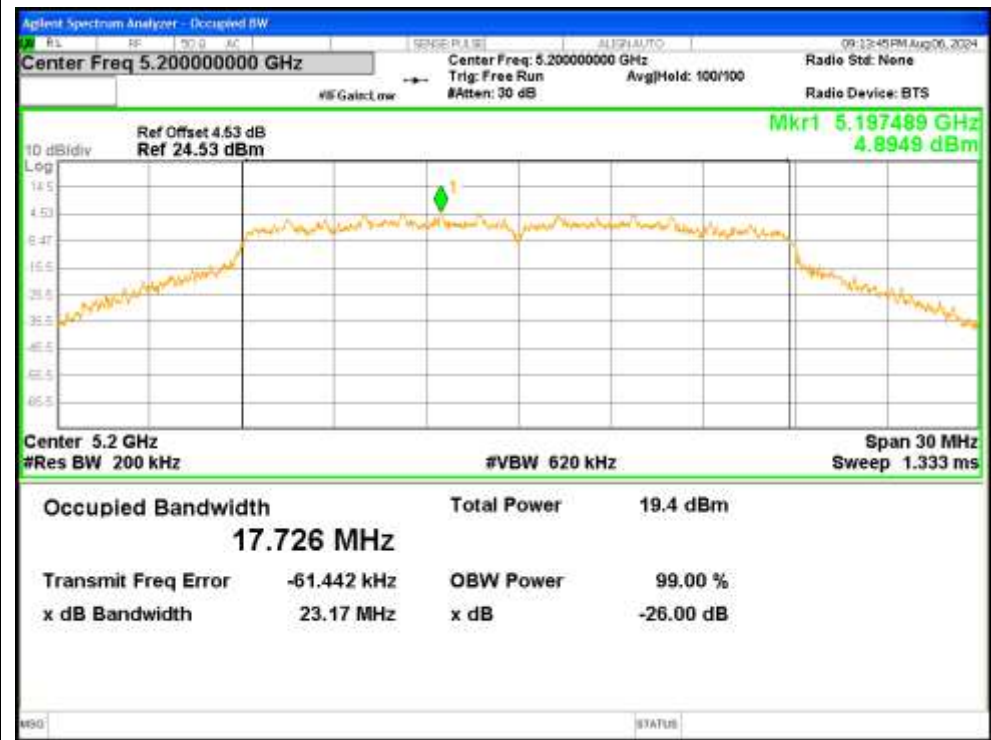
OBW NVNT ac20 5180MHz Ant1



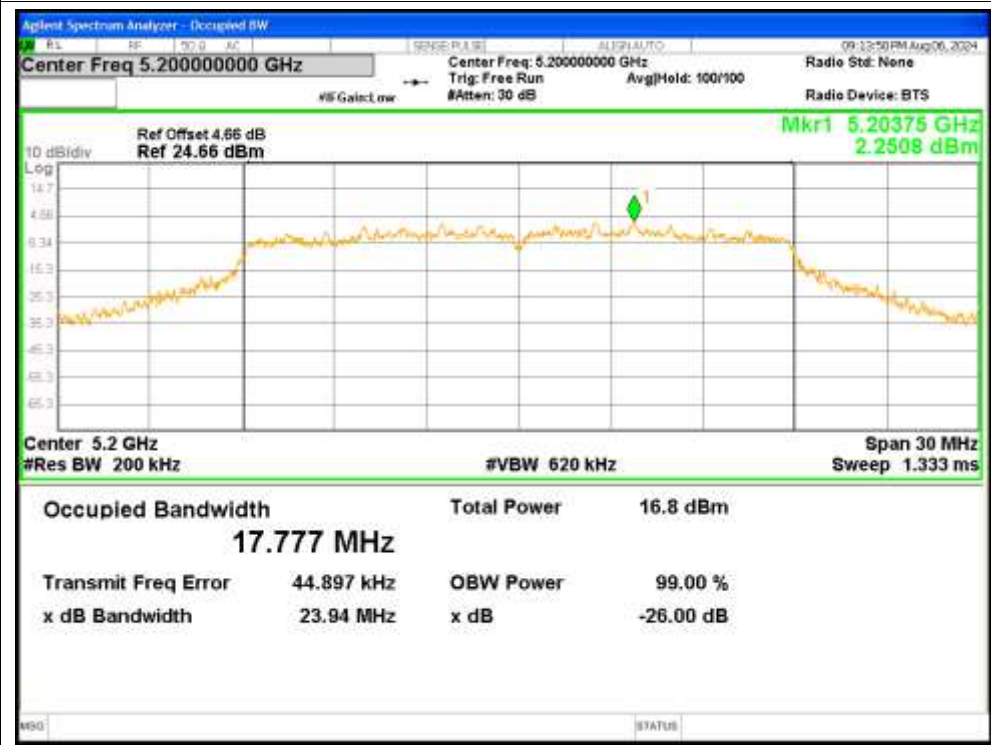
OBW NVNT ac20 5180MHz Ant2



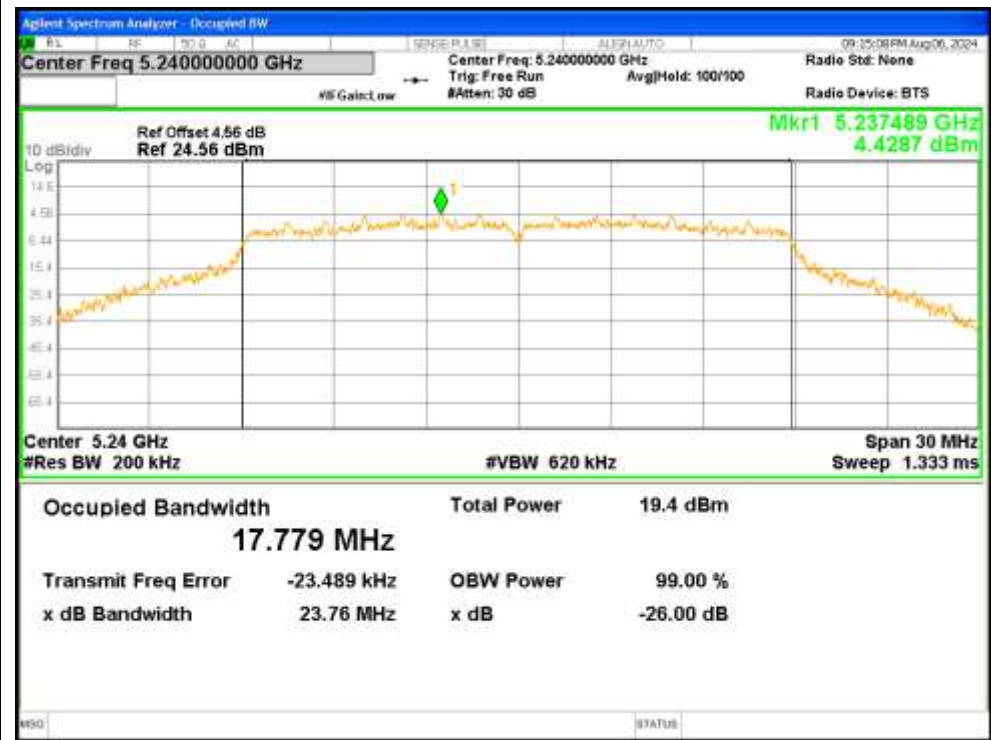
OBW NVNT ac20 5200MHz Ant1



OBW NVNT ac20 5200MHz Ant2



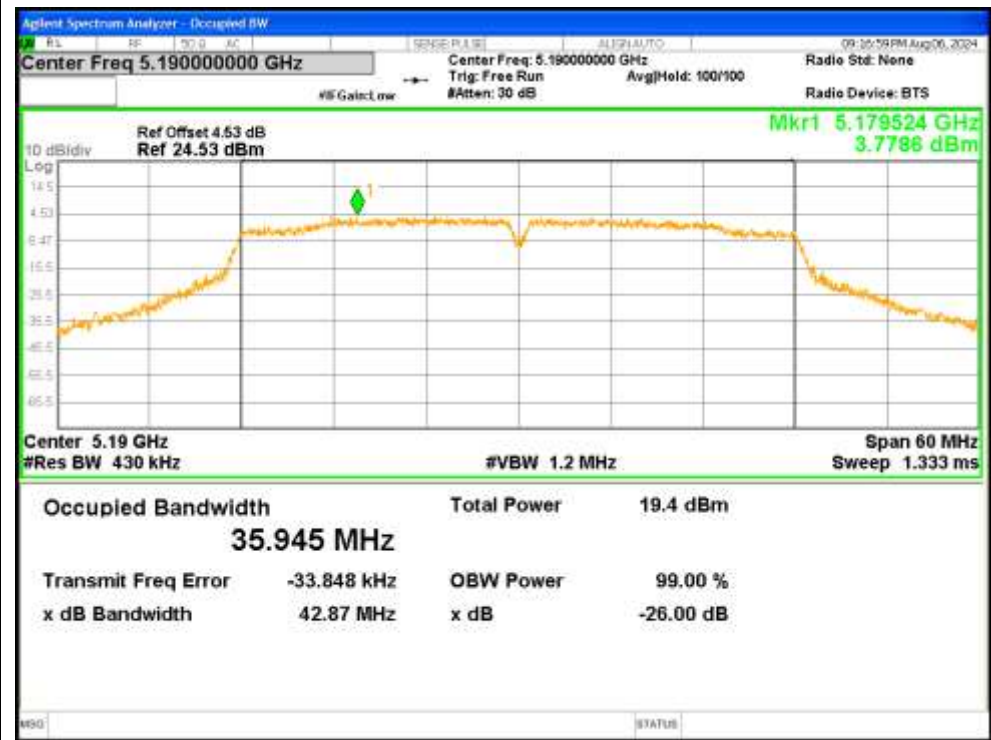
OBW NVNT ac20 5240MHz Ant1



OBW NVNT ac20 5240MHz Ant2



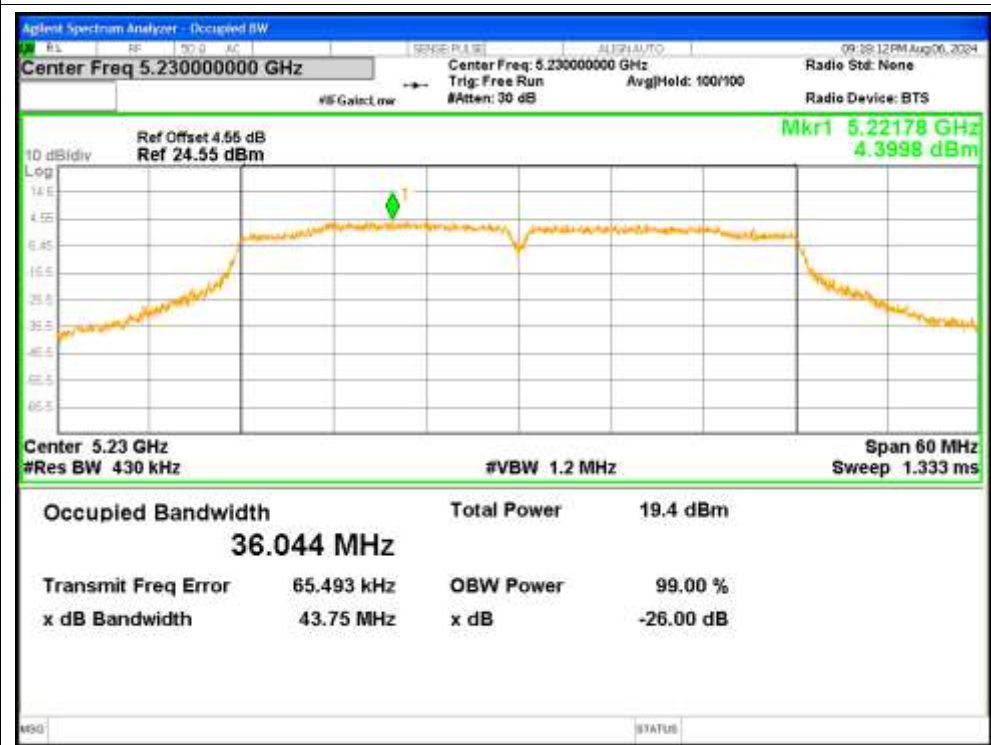
OBW NVNT ac40 5190MHz Ant1



OBW NVNT ac40 5190MHz Ant2



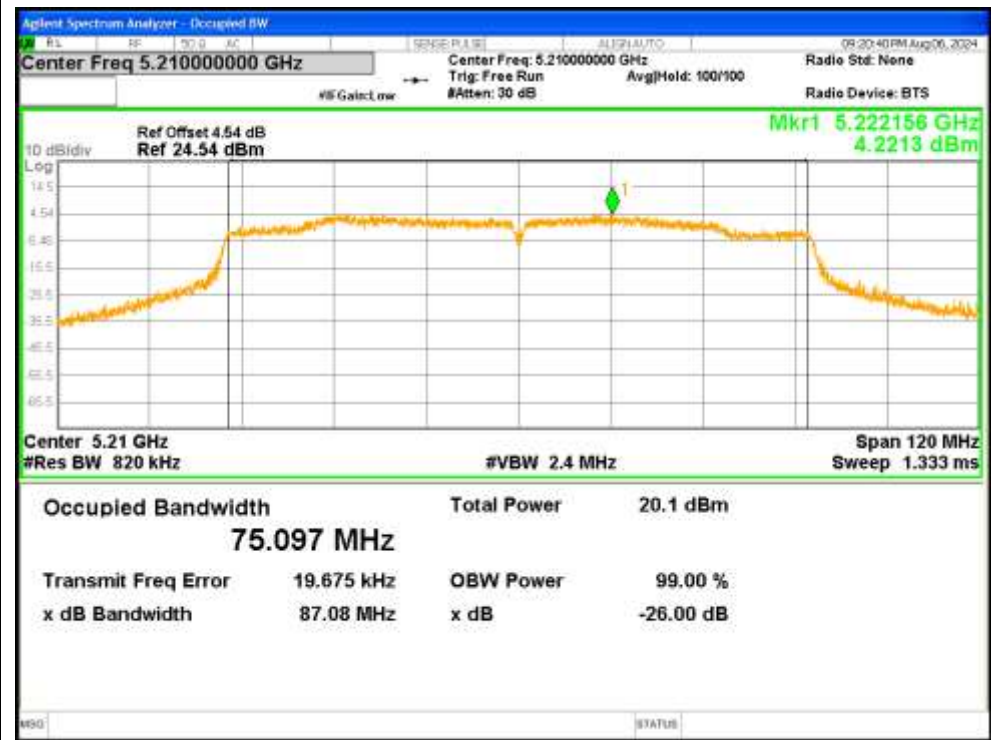
OBW NVNT ac40 5230MHz Ant1



OBW NVNT ac40 5230MHz Ant2



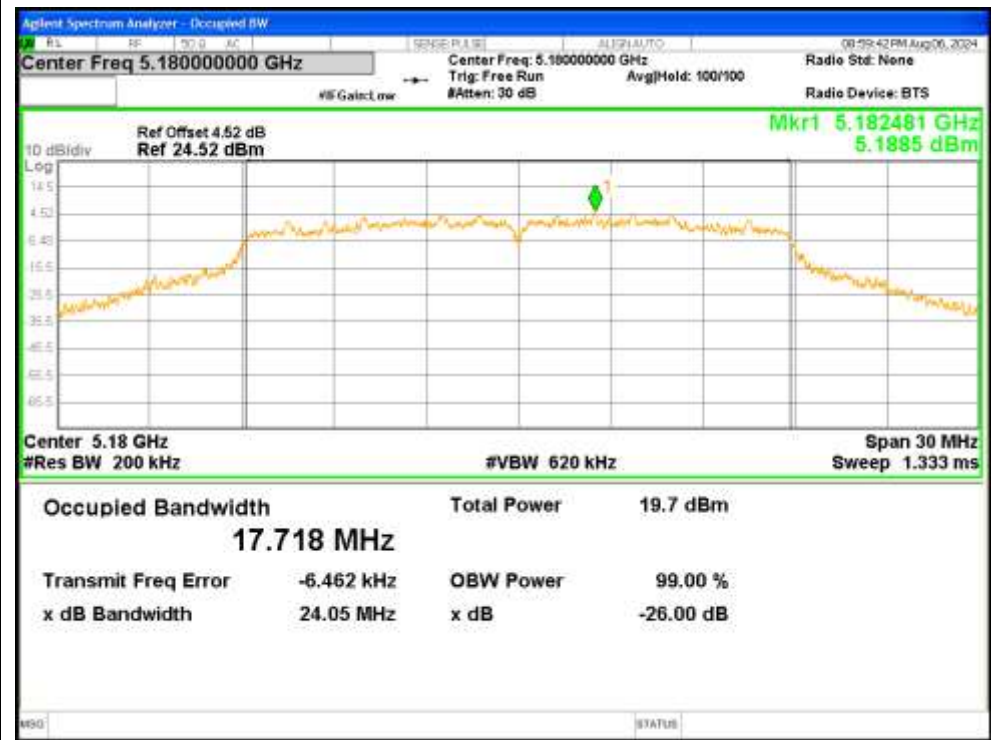
OBW NVNT ac80 5210MHz Ant1



OBW NVNT ac80 5210MHz Ant2



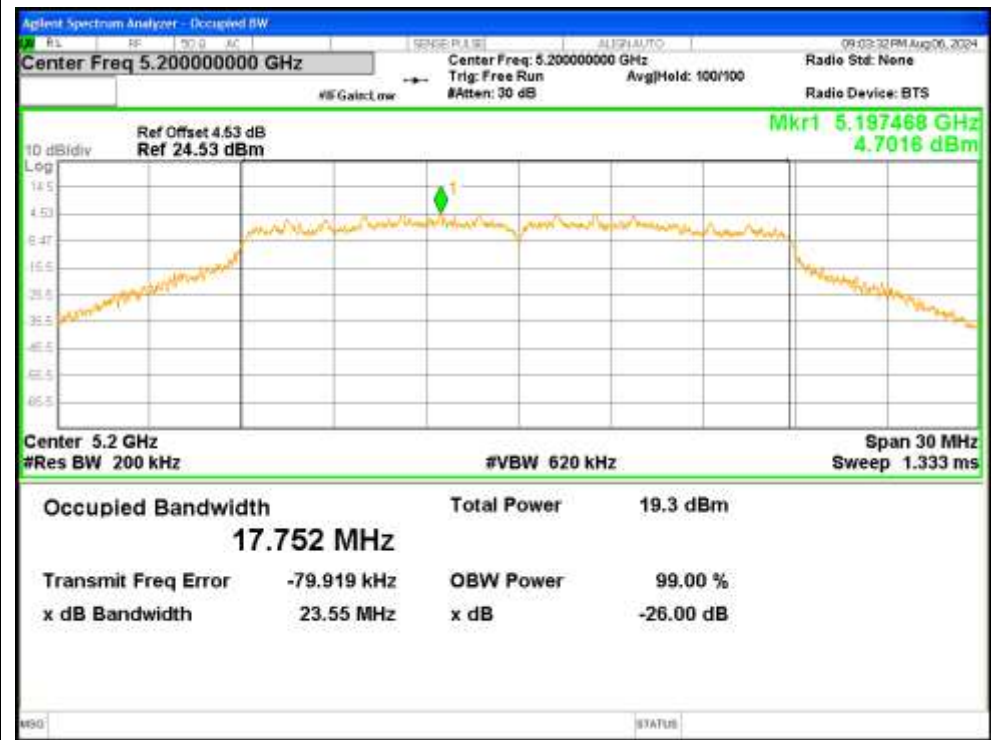
OBW NVNT n20 5180MHz Ant1



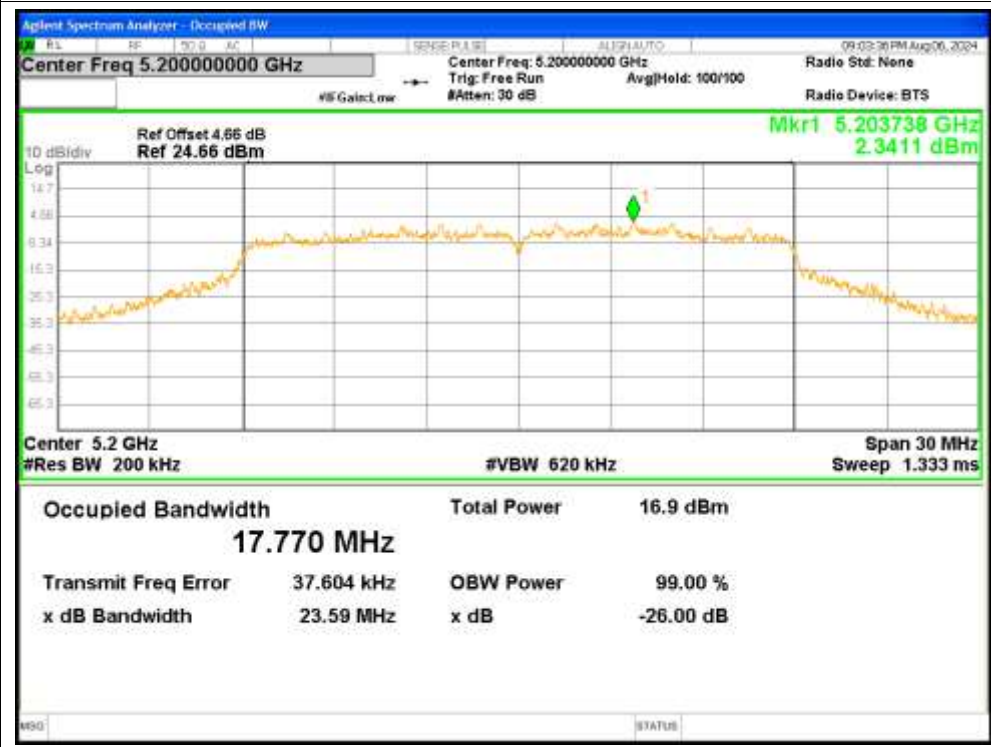
OBW NVNT n20 5180MHz Ant2



OBW NVNT n20 5200MHz Ant1



OBW NVNT n20 5200MHz Ant2



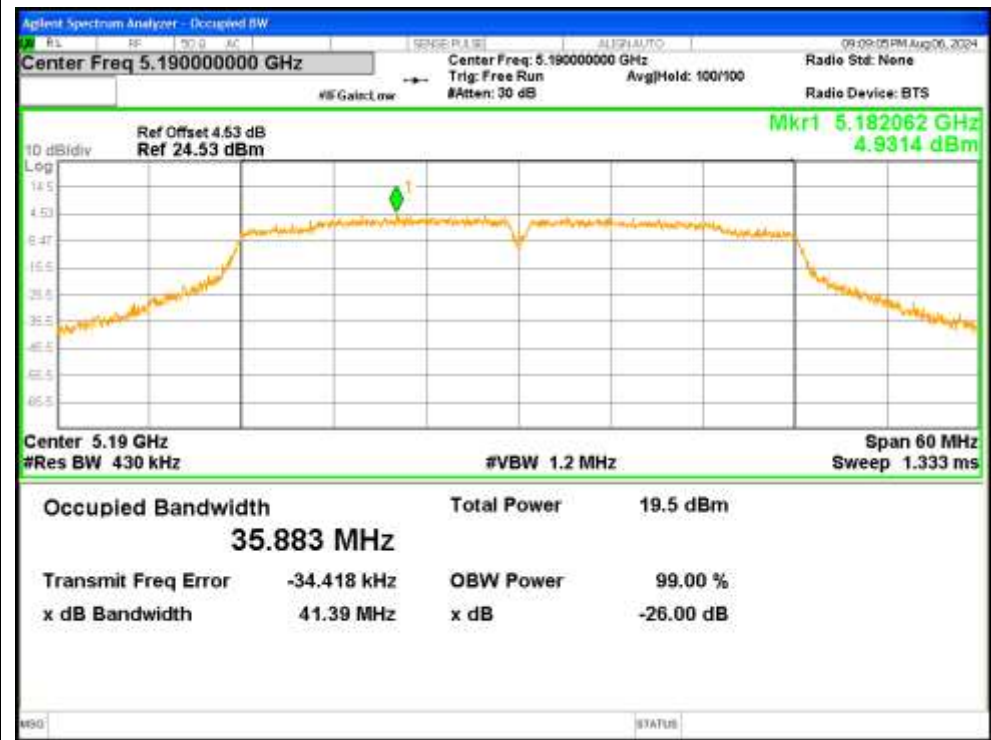
OBW NVNT n20 5240MHz Ant1



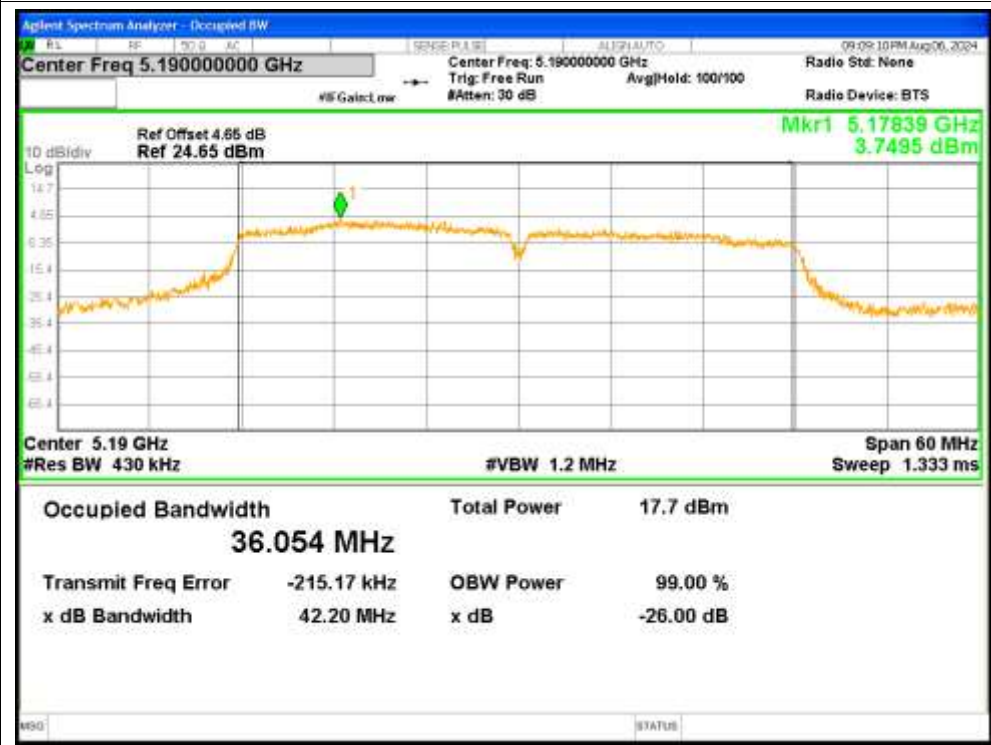
OBW NVNT n20 5240MHz Ant2



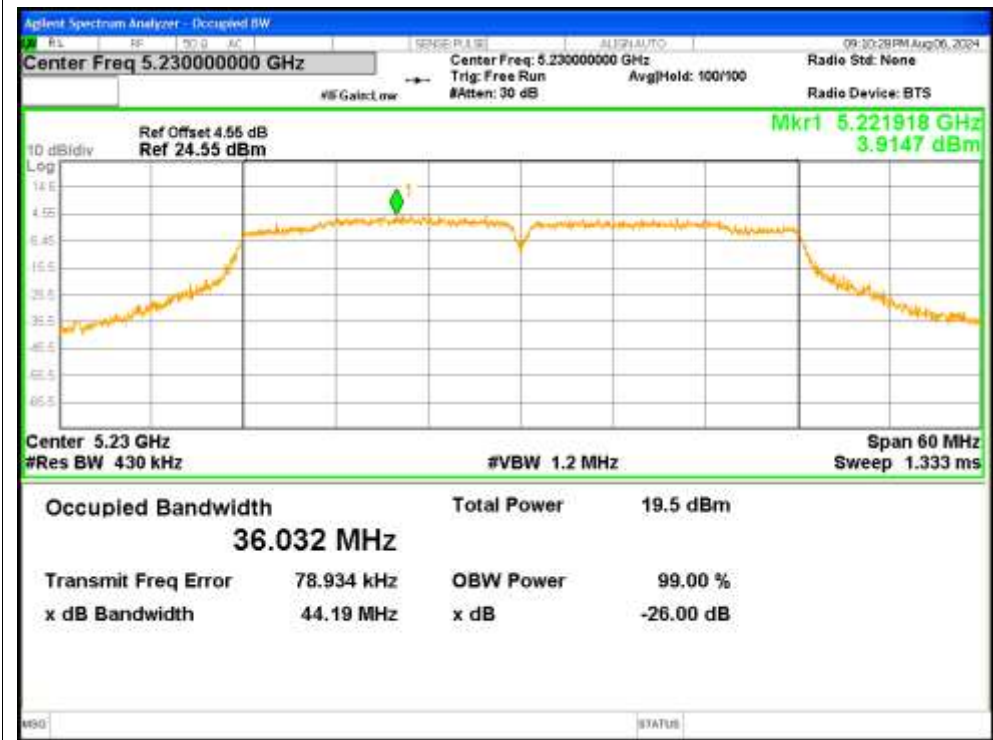
OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5190MHz Ant2



OBW NVNT n40 5230MHz Ant1



OBW NVNT n40 5230MHz Ant2



5. Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	3.395	0.93	4.325	<=11	Pass
NVNT	a	5200	Ant1	3.314	0.93	4.244	<=11	Pass
NVNT	a	5240	Ant1	2.887	0.94	3.827	<=11	Pass
NVNT	a	5180	Ant2	2.479	0.92	3.399	<=11	Pass
NVNT	a	5200	Ant2	0.563	0.94	1.503	<=11	Pass
NVNT	a	5240	Ant2	1.583	0.93	2.513	<=11	Pass
NVNT	ac20	5180	Ant1	3.265	0.59	3.855	<=11	Pass
NVNT	ac20	5180	Ant2	2.074	0.59	2.664	<=11	Pass
NVNT	ac20	5180	Sum	5.72	0.59	6.31	<=10.54	Pass
NVNT	ac20	5200	Ant1	3.218	0.59	3.808	<=11	Pass
NVNT	ac20	5200	Ant2	0.497	0.59	1.087	<=11	Pass
NVNT	ac20	5200	Sum	5.078	0.59	5.668	<=10.54	Pass
NVNT	ac20	5240	Ant1	2.889	0.59	3.479	<=11	Pass
NVNT	ac20	5240	Ant2	1.428	0.59	2.018	<=11	Pass
NVNT	ac20	5240	Sum	5.23	0.59	5.82	<=10.54	Pass
NVNT	ac40	5190	Ant1	0.259	0.66	0.919	<=11	Pass
NVNT	ac40	5190	Ant2	-0.158	0.66	0.502	<=11	Pass
NVNT	ac40	5190	Sum	3.066	0.66	3.726	<=10.54	Pass
NVNT	ac40	5230	Ant1	0.646	0.65	1.296	<=11	Pass
NVNT	ac40	5230	Ant2	-1.56	0.65	-0.91	<=11	Pass
NVNT	ac40	5230	Sum	2.692	0.65	3.342	<=10.54	Pass
NVNT	ac80	5210	Ant1	-2.756	0.68	-2.076	<=11	Pass
NVNT	ac80	5210	Ant2	-4.41	0.68	-3.73	<=11	Pass
NVNT	ac80	5210	Sum	-0.494	0.68	0.186	<=10.54	Pass
NVNT	n20	5180	Ant1	3.436	0.53	3.966	<=11	Pass
NVNT	n20	5180	Ant2	2.014	0.53	2.544	<=11	Pass
NVNT	n20	5180	Sum	5.793	0.53	6.323	<=10.54	Pass
NVNT	n20	5200	Ant1	2.976	0.54	3.516	<=11	Pass
NVNT	n20	5200	Ant2	0.398	0.54	0.938	<=11	Pass
NVNT	n20	5200	Sum	4.886	0.54	5.426	<=10.54	Pass
NVNT	n20	5240	Ant1	2.904	0.54	3.444	<=11	Pass
NVNT	n20	5240	Ant2	1.302	0.54	1.842	<=11	Pass
NVNT	n20	5240	Sum	5.187	0.54	5.727	<=10.54	Pass
NVNT	n40	5190	Ant1	0.53	0.59	1.12	<=11	Pass
NVNT	n40	5190	Ant2	-0.432	0.59	0.158	<=11	Pass
NVNT	n40	5190	Sum	3.086	0.59	3.676	<=10.54	Pass
NVNT	n40	5230	Ant1	0.429	0.55	0.979	<=11	Pass
NVNT	n40	5230	Ant2	-0.86	0.55	-0.31	<=11	Pass
NVNT	n40	5230	Sum	2.842	0.55	3.392	<=10.54	Pass

Test Graphs

PSD NVNT a 5180MHz Ant1



PSD NVNT a 5200MHz Ant1



PSD NVNT a 5240MHz Ant1



PSD NVNT a 5180MHz Ant2



PSD NVNT a 5200MHz Ant2



PSD NVNT a 5240MHz Ant2



PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5180MHz Ant2



PSD NVNT ac20 5200MHz Ant1



PSD NVNT ac20 5200MHz Ant2



PSD NVNT ac20 5240MHz Ant1



PSD NVNT ac20 5240MHz Ant2



PSD NVNT ac40 5190MHz Ant1



PSD NVNT ac40 5190MHz Ant2



PSD NVNT ac40 5230MHz Ant1



PSD NVNT ac40 5230MHz Ant2



PSD NVNT ac80 5210MHz Ant1



PSD NVNT ac80 5210MHz Ant2



PSD NVNT n20 5180MHz Ant1



PSD NVNT n20 5180MHz Ant2



PSD NVNT n20 5200MHz Ant1



PSD NVNT n20 5200MHz Ant2



PSD NVNT n20 5240MHz Ant1



PSD NVNT n20 5240MHz Ant2



PSD NVNT n40 5190MHz Ant1



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