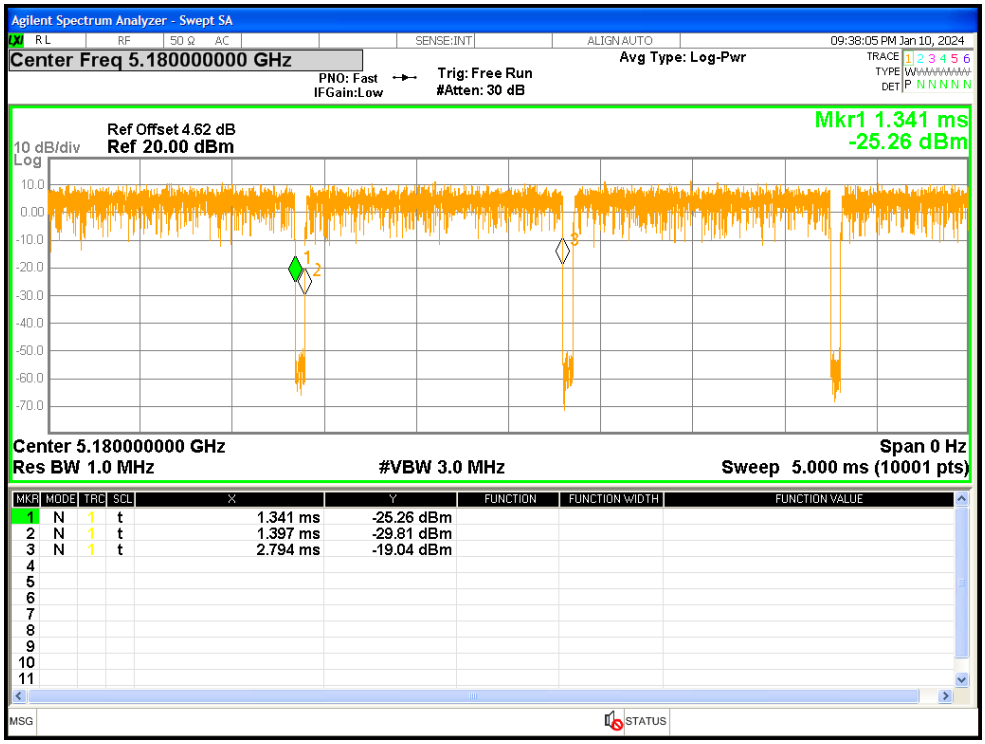
1. Duty Cycle

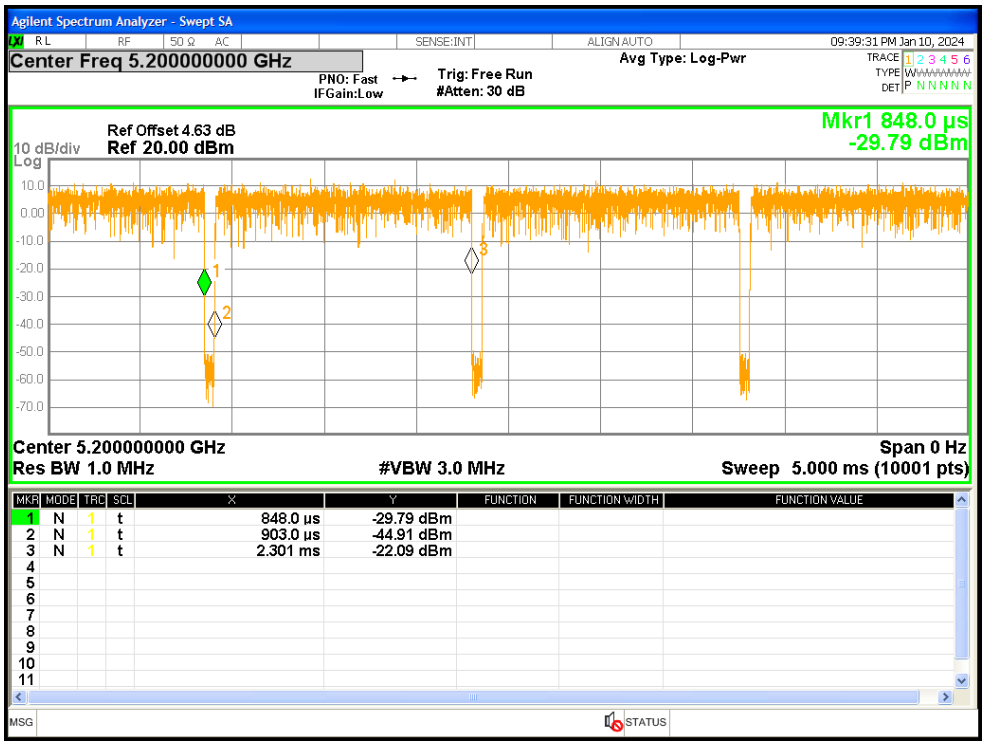
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	96.18	0.17	0.72
NVNT	a	5200	Ant1	96.21	0.17	0.72
NVNT	a	5240	Ant1	96.22	0.17	0.72
NVNT	a	5180	Ant2	96.21	0.17	0.72
NVNT	a	5200	Ant2	96.18	0.17	0.72
NVNT	a	5240	Ant2	96.22	0.17	0.72
NVNT	a	5180	Ant3	96.15	0.17	0.72
NVNT	a	5200	Ant3	96.08	0.17	0.72
NVNT	a	5240	Ant3	96.08	0.17	0.72
NVNT	ac160	5250	Sum	67.13	1.73	9.89
NVNT	ac20	5180	Sum	89.56	0.48	2.08
NVNT	ac20	5200	Sum	89.56	0.48	2.08
NVNT	ac20	5240	Sum	89.48	0.48	2.08
NVNT	ac40	5190	Sum	82.49	0.84	3.82
NVNT	ac40	5230	Sum	82.49	0.84	3.82
NVNT	ac80	5210	Sum	72.93	1.37	6.69
NVNT	ax160	5250	Sum	75	1.25	6.73
NVNT	ax20	5180	Sum	88.47	0.53	2.33
NVNT	ax20	5200	Sum	88.5	0.53	2.33
NVNT	ax40	5190	Sum	83	0.81	3.69
NVNT	ax40	5230	Sum	82.87	0.82	3.69
NVNT	ax80	5210	Sum	76.76	1.15	5.41
NVNT	n20	5180	Sum	95.89	0.18	0.77
NVNT	n20	5200	Sum	95.85	0.18	0.77
NVNT	n20	5240	Sum	95.85	0.18	0.77
NVNT	n40	5190	Sum	92.13	0.36	1.54
NVNT	n40	5230	Sum	92.13	0.36	1.54

Test Graphs

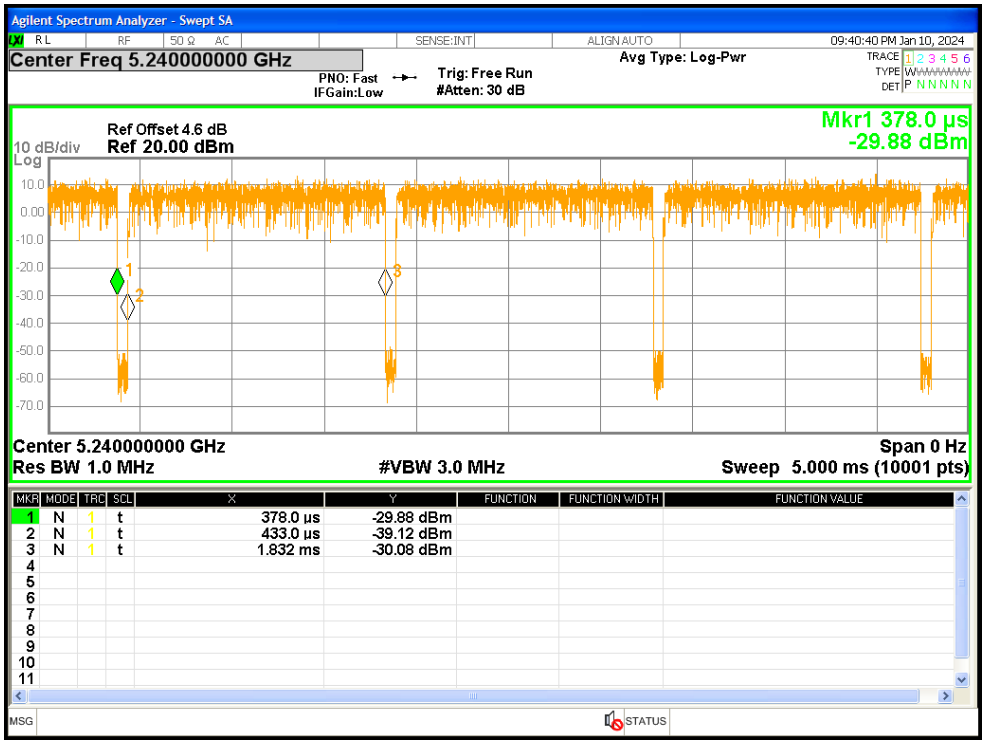
Duty Cycle NVNT a 5180MHz Ant1



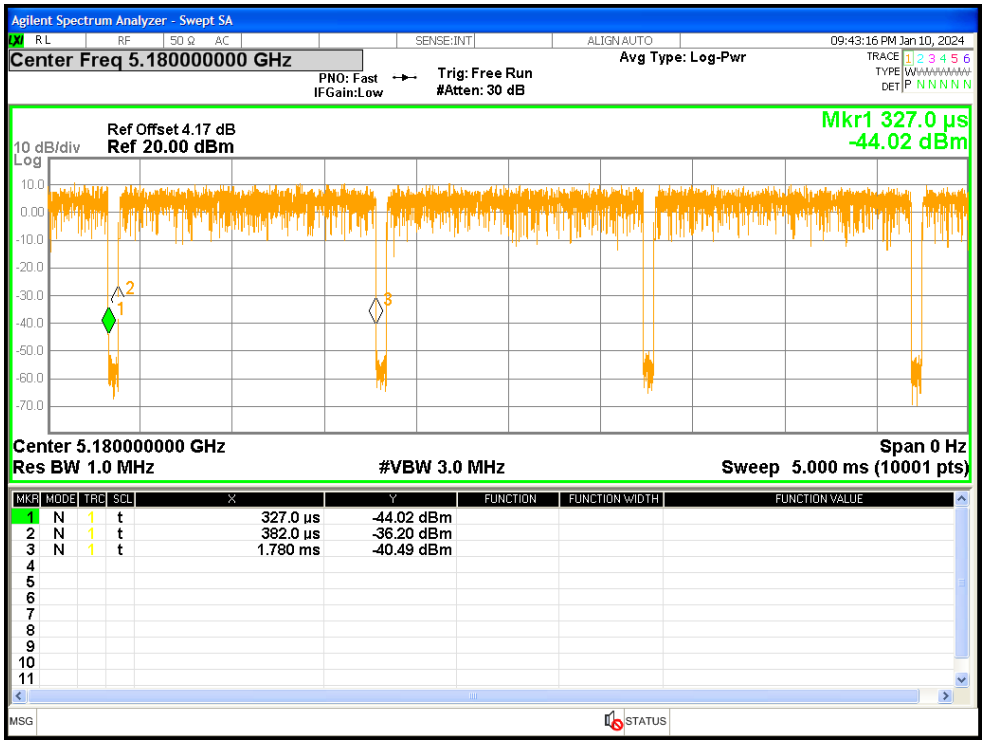
Duty Cycle NVNT a 5200MHz Ant1



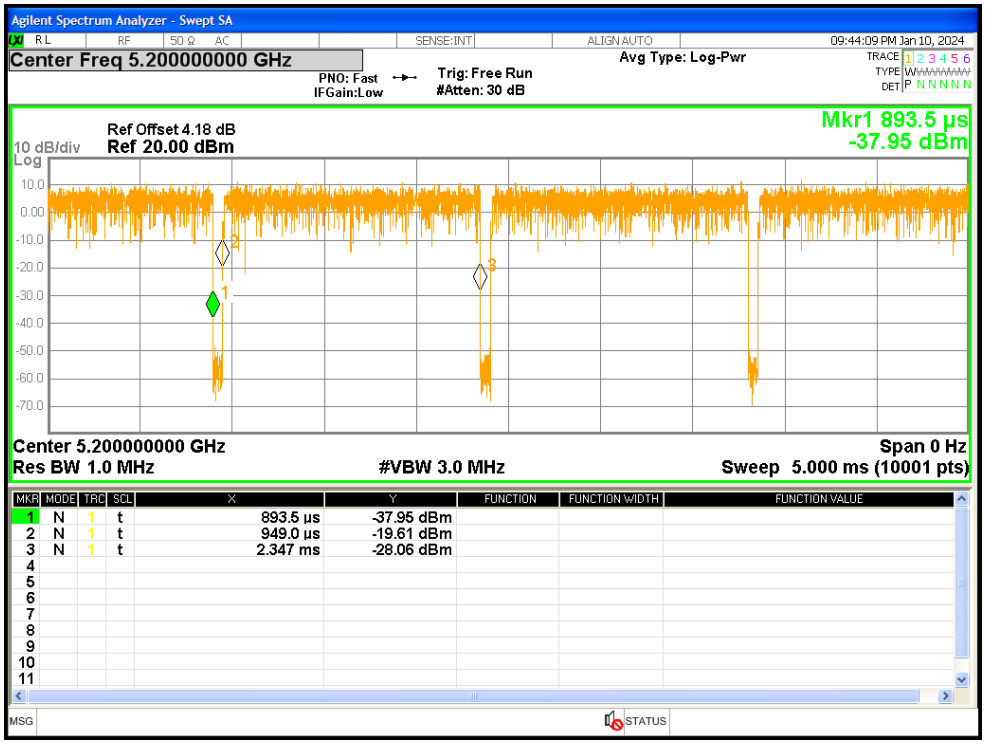
Duty Cycle NVNT a 5240MHz Ant1



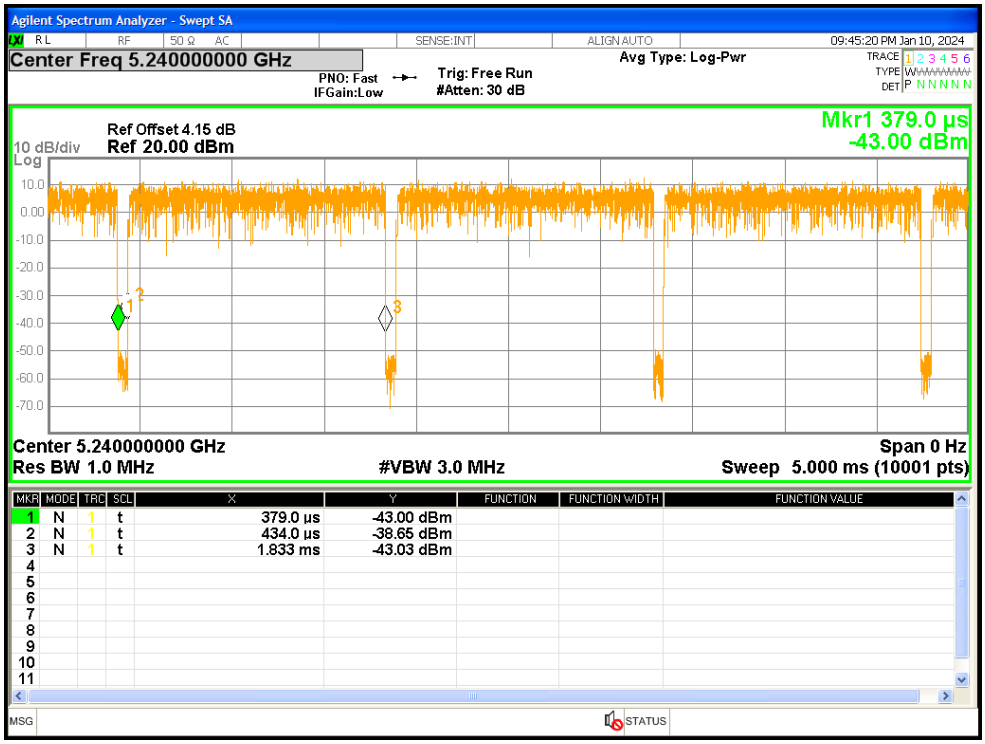
Duty Cycle NVNT a 5180MHz Ant2



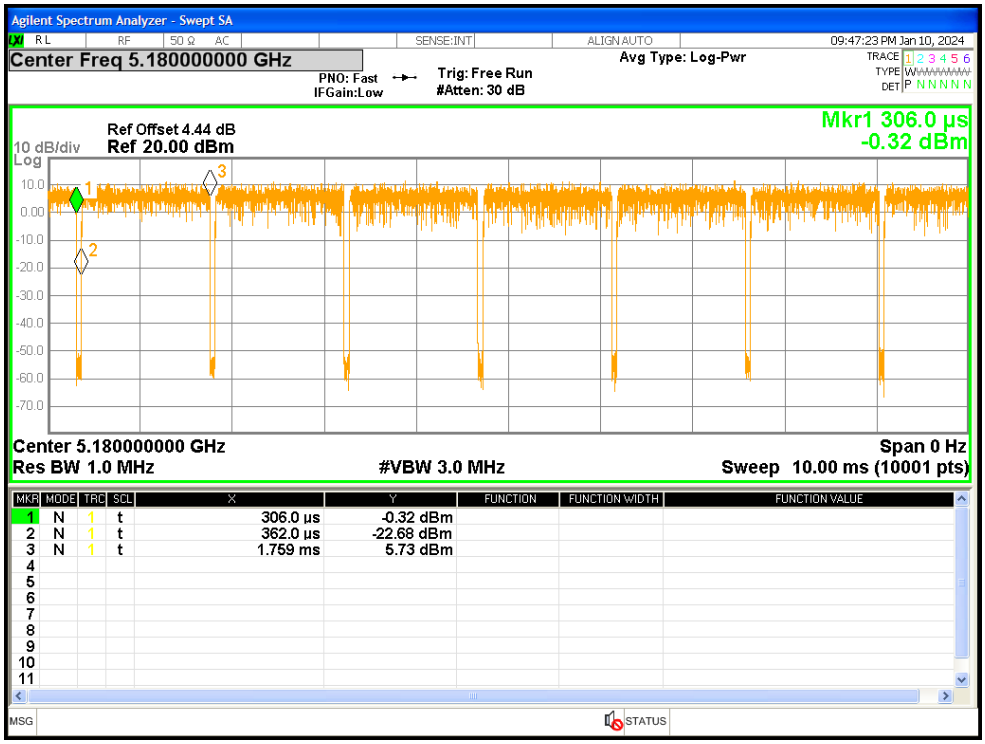
Duty Cycle NVNT a 5200MHz Ant2



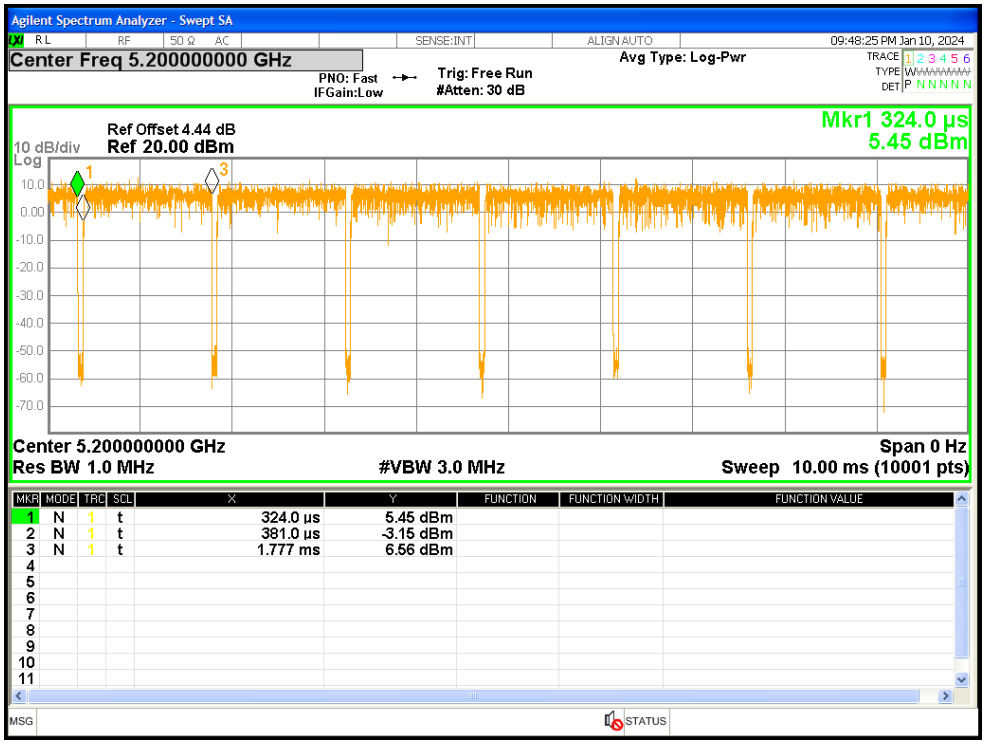
Duty Cycle NVNT a 5240MHz Ant2



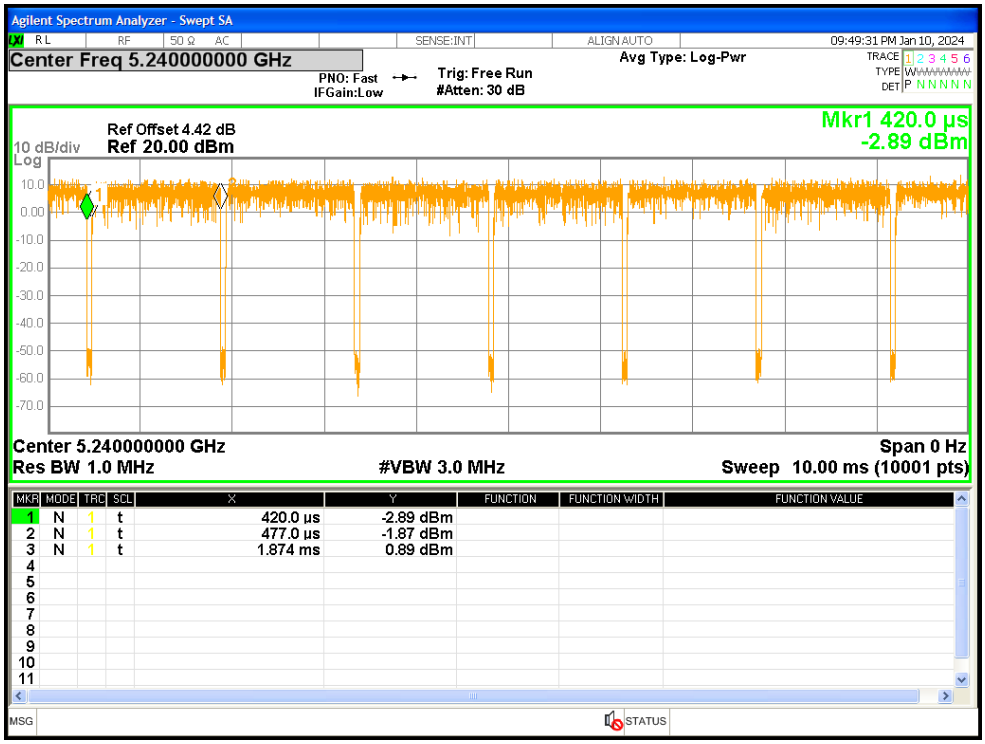
Duty Cycle NVNT a 5180MHz Ant3



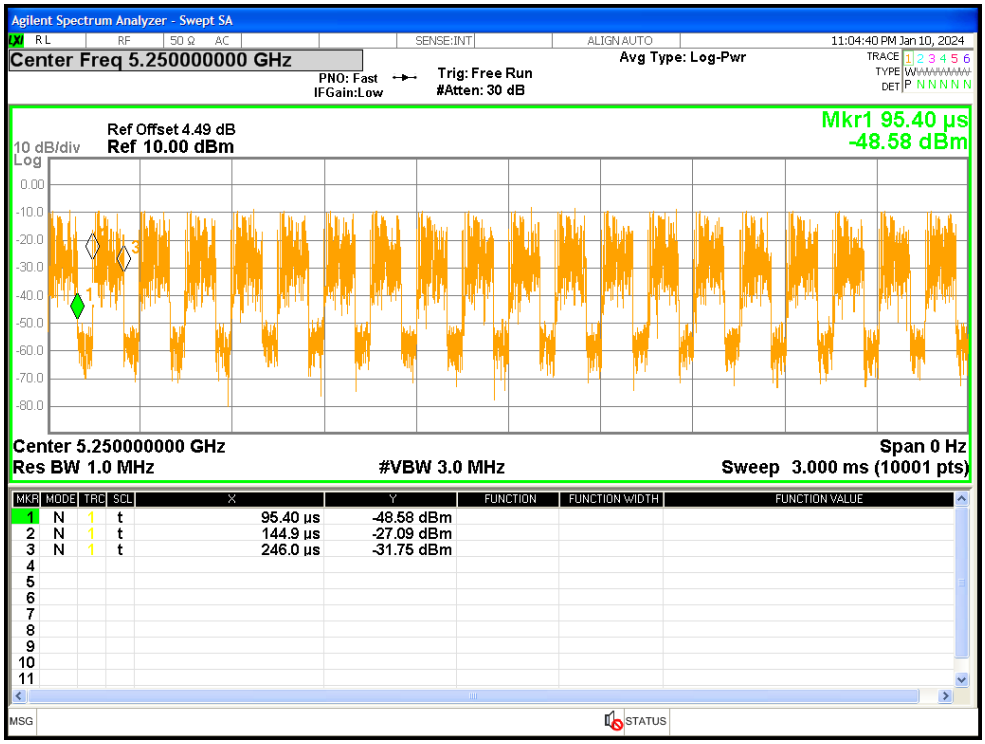
Duty Cycle NVNT a 5200MHz Ant3



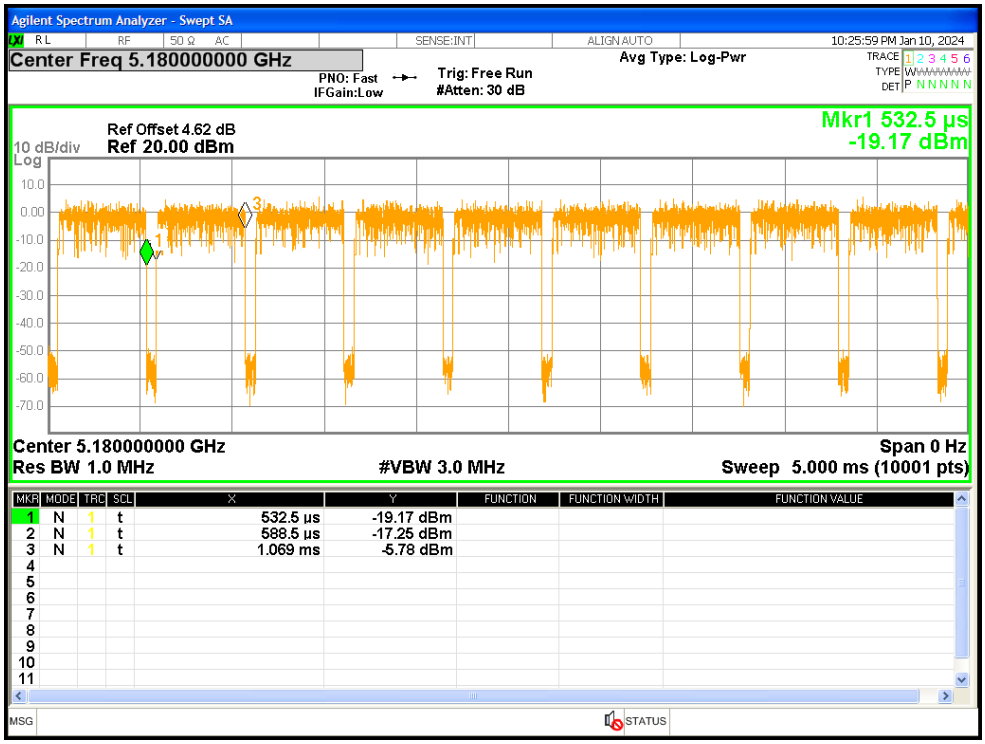
Duty Cycle NVNT a 5240MHz Ant3



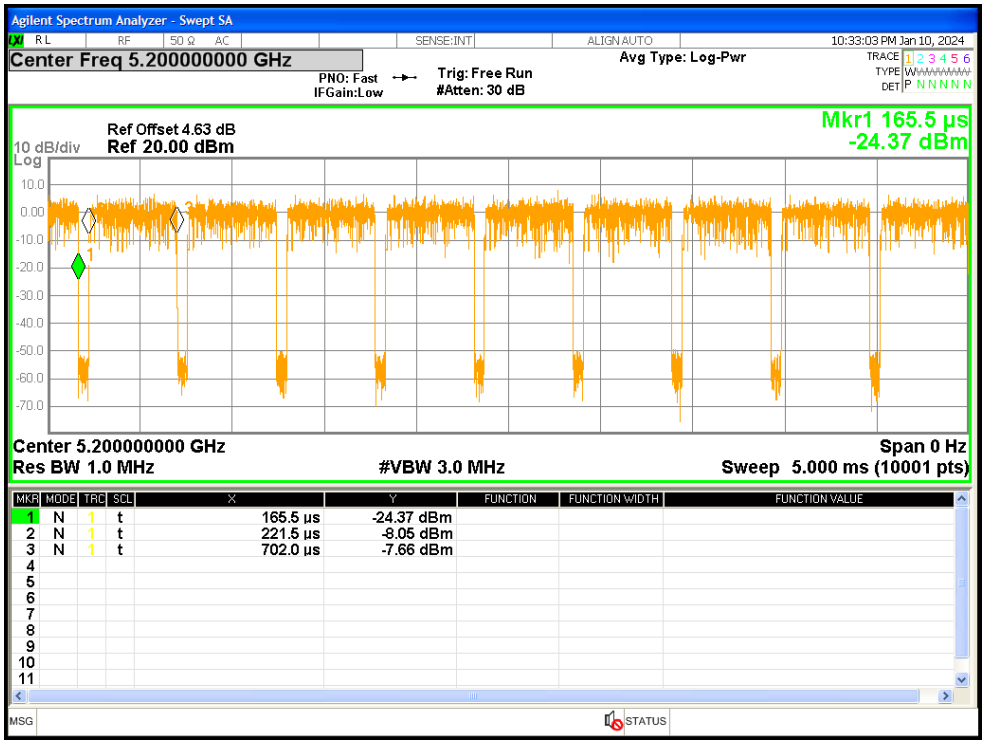
Duty Cycle NVNT ac160 5250MHz Sum



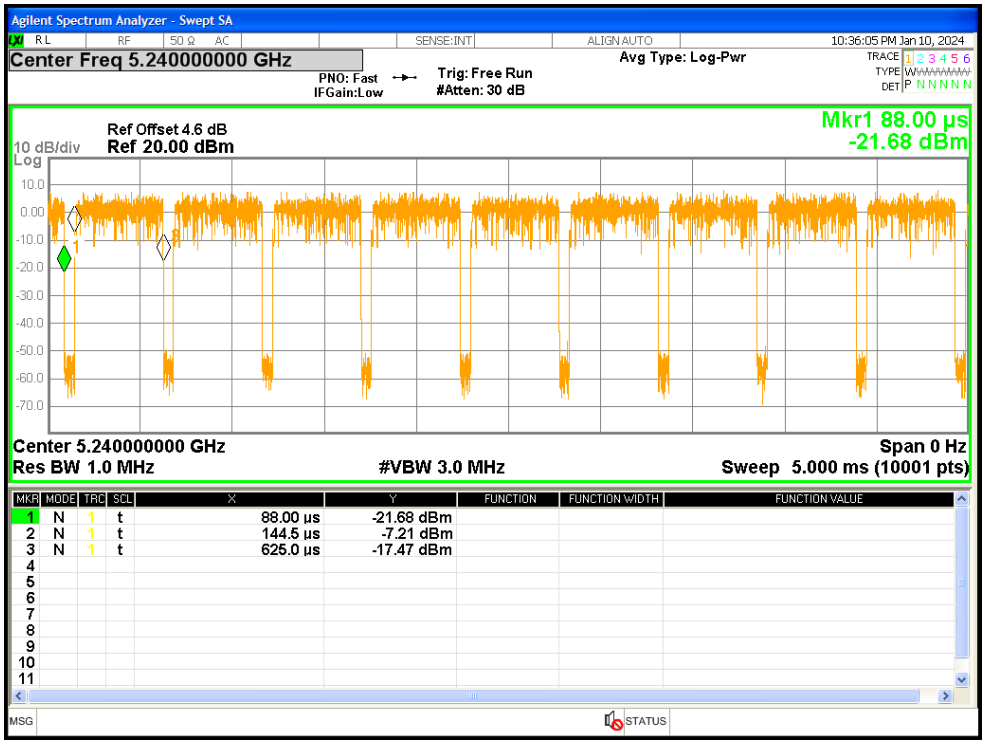
Duty Cycle NVNT ac20 5180MHz Sum



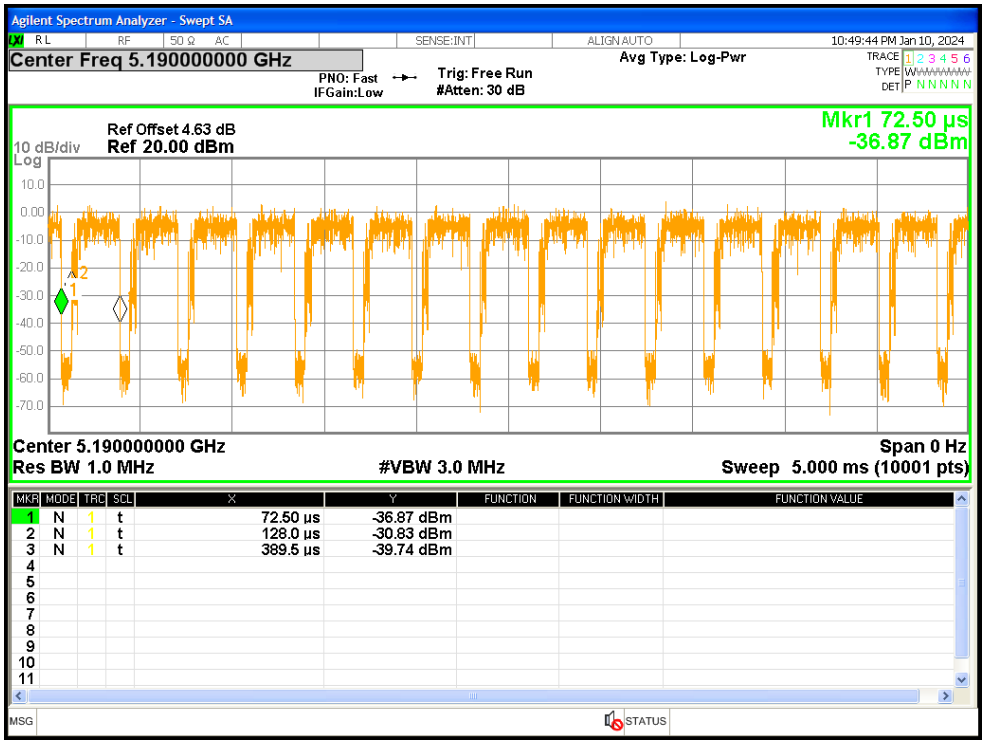
Duty Cycle NVNT ac20 5200MHz Sum



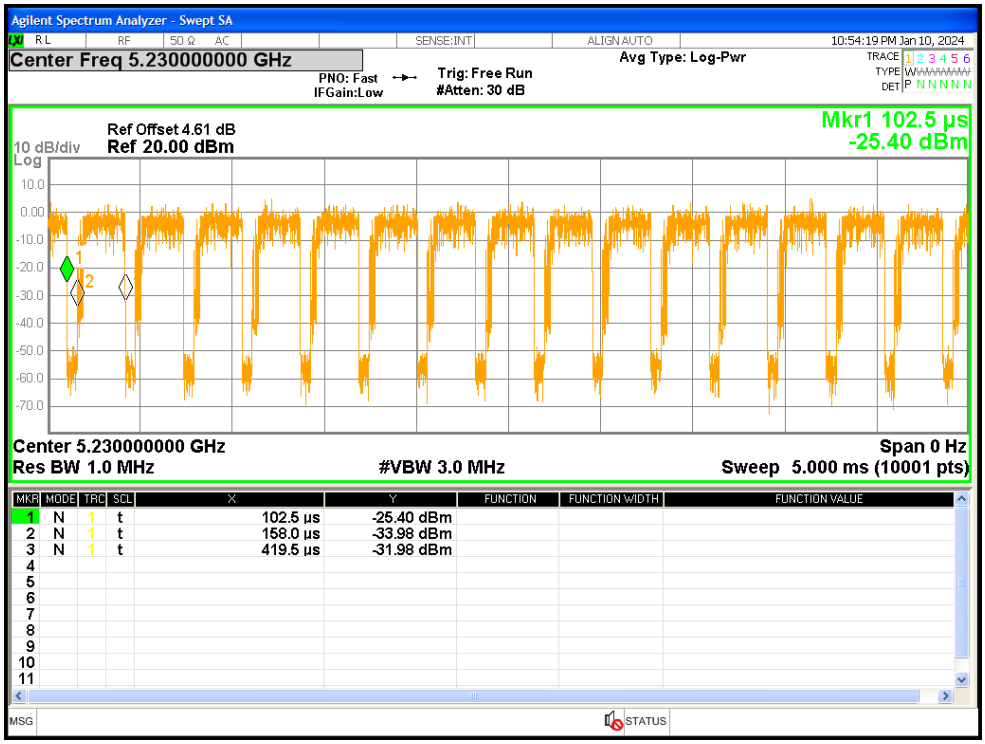
Duty Cycle NVNT ac20 5240MHz Sum



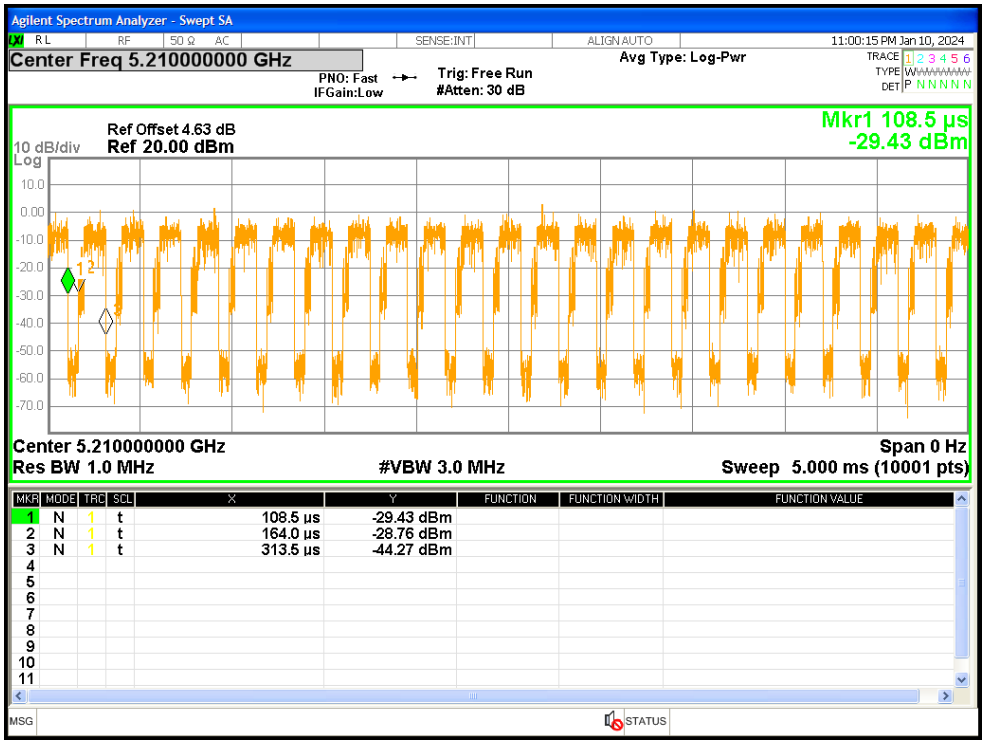
Duty Cycle NVNT ac40 5190MHz Sum



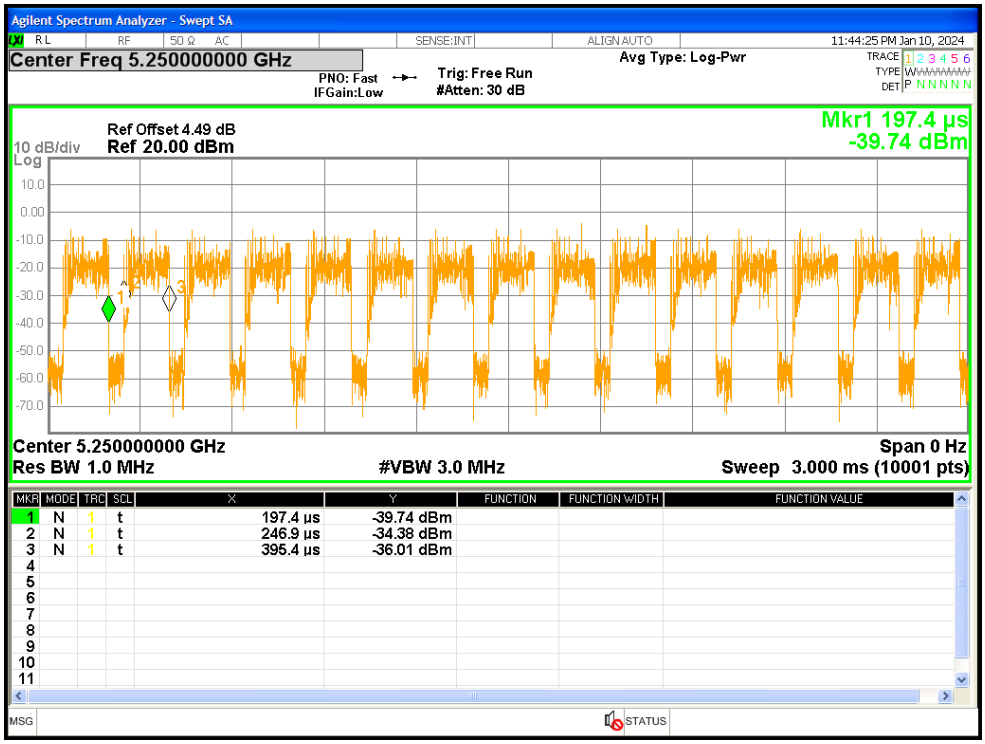
Duty Cycle NVNT ac40 5230MHz Sum



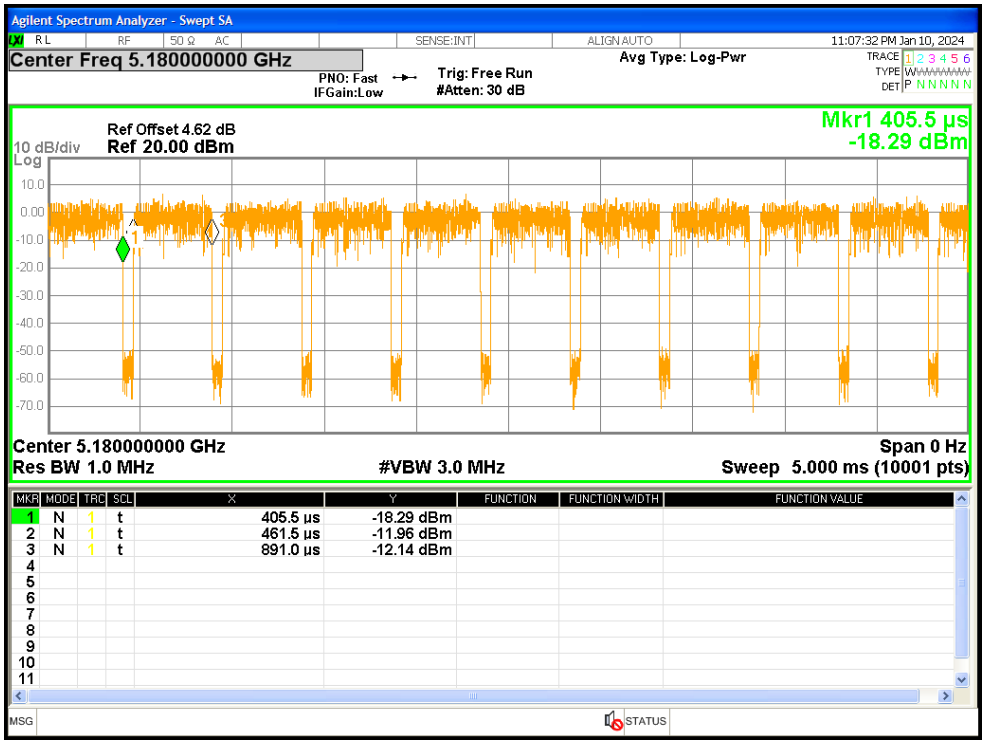
Duty Cycle NVNT ac80 5210MHz Sum



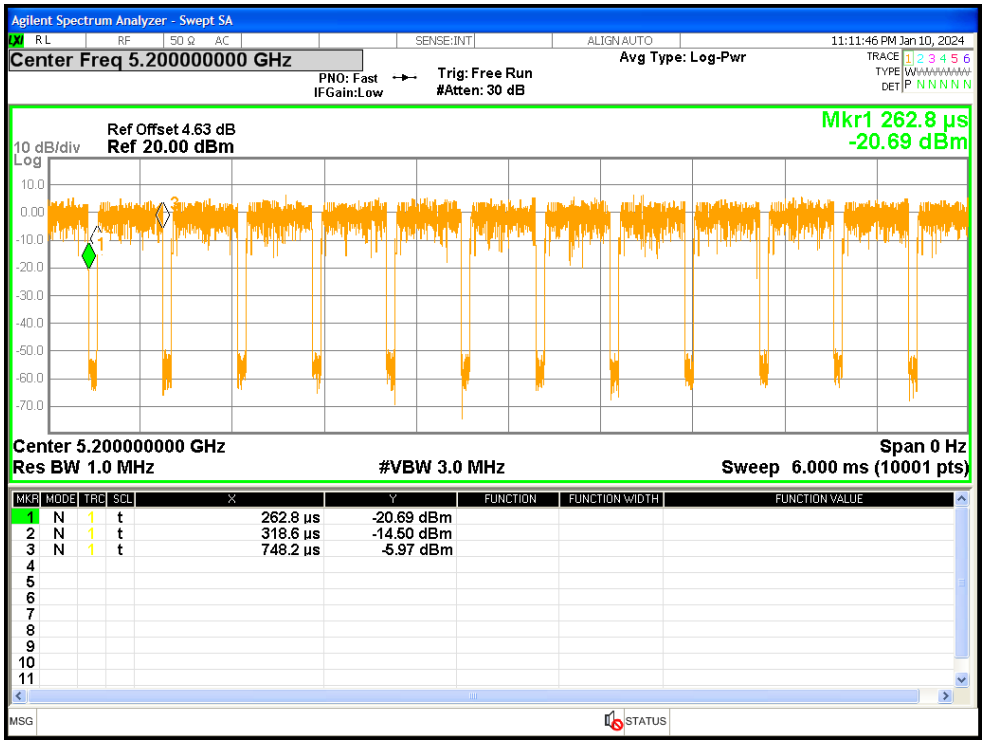
Duty Cycle NVNT ax160 5250MHz Sum



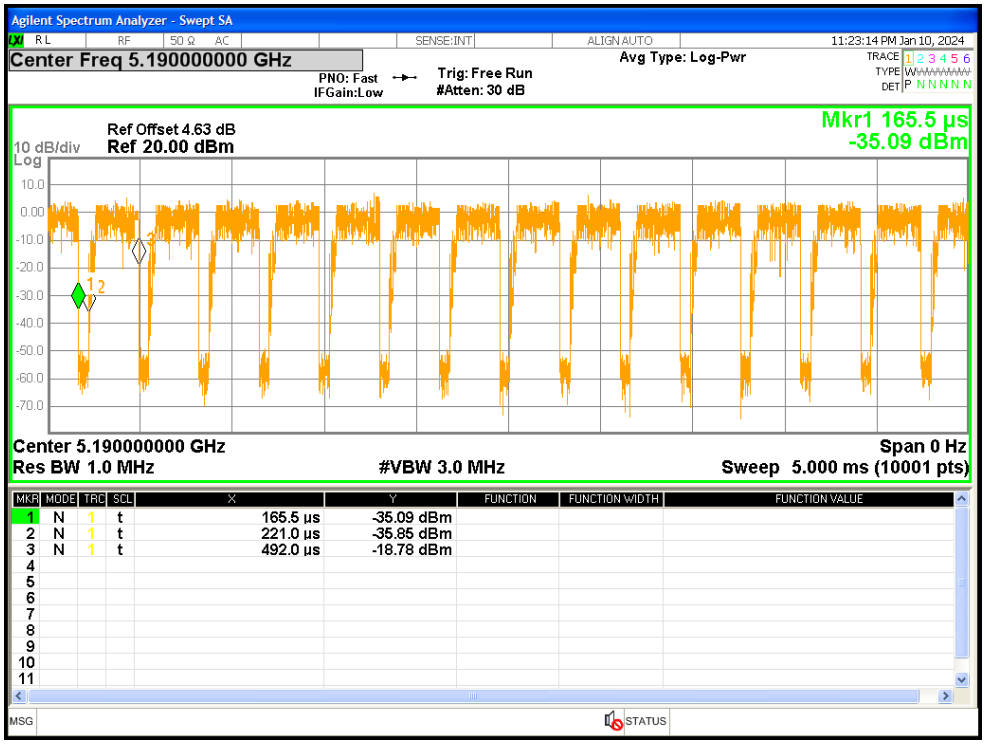
Duty Cycle NVNT ax20 5180MHz Sum



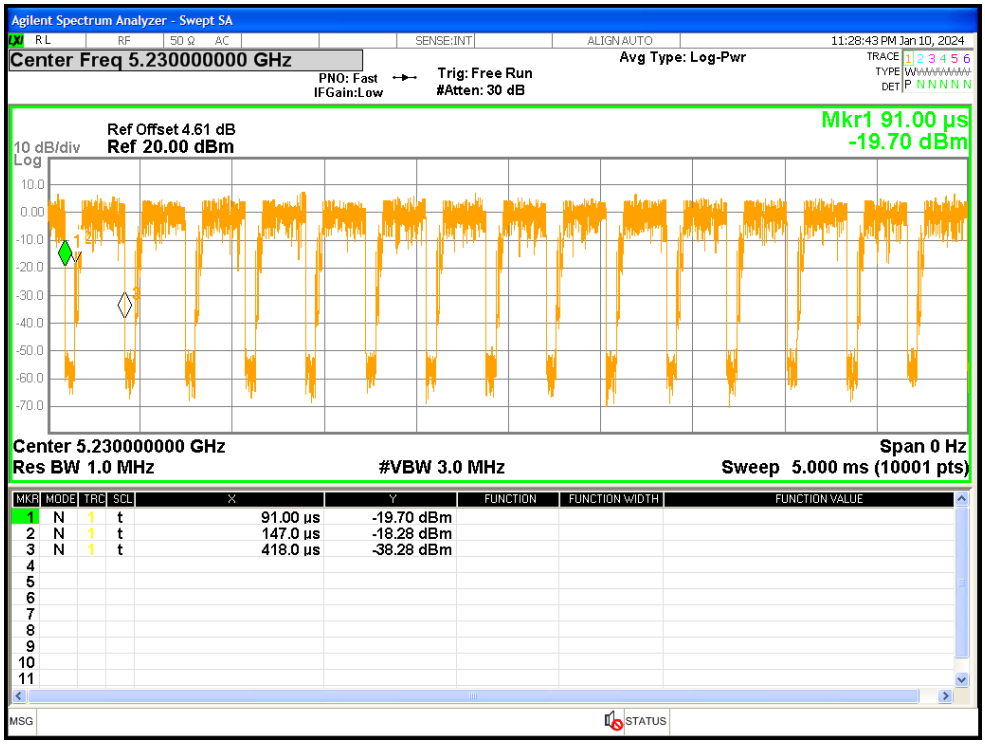
Duty Cycle NVNT ax20 5200MHz Sum



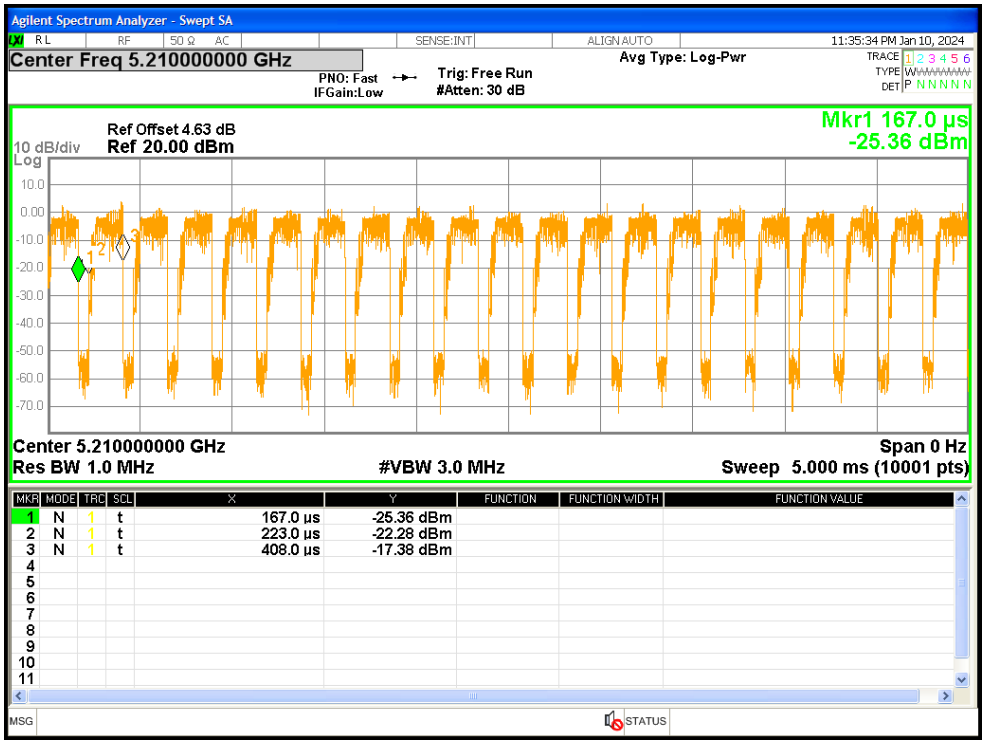
Duty Cycle NVNT ax40 5190MHz Sum



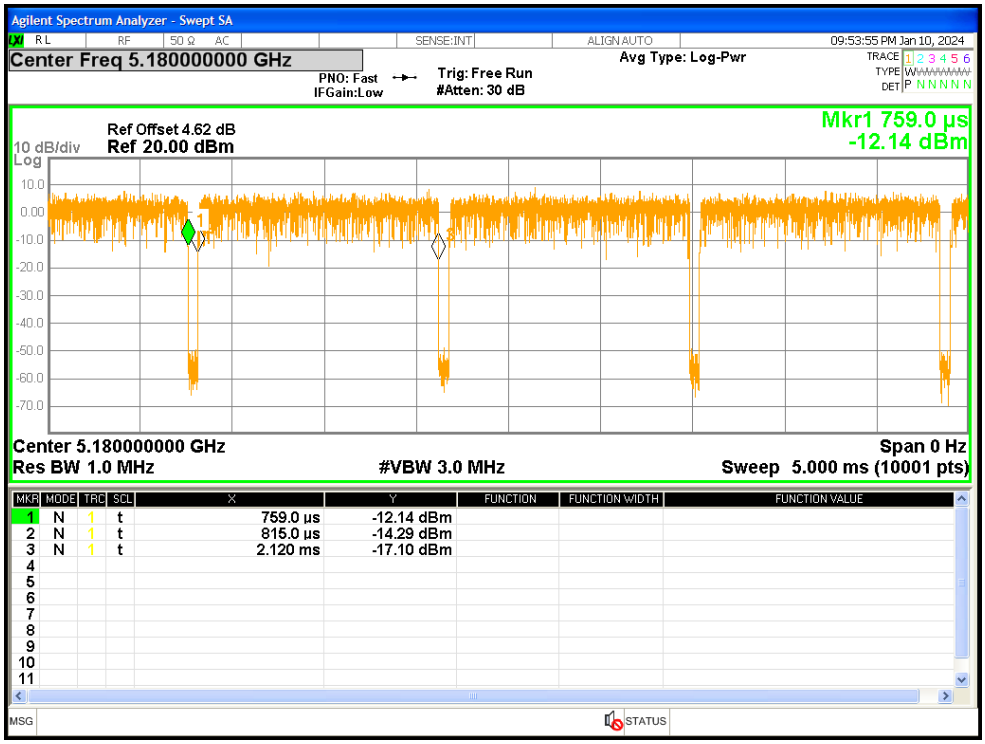
Duty Cycle NVNT ax40 5230MHz Sum



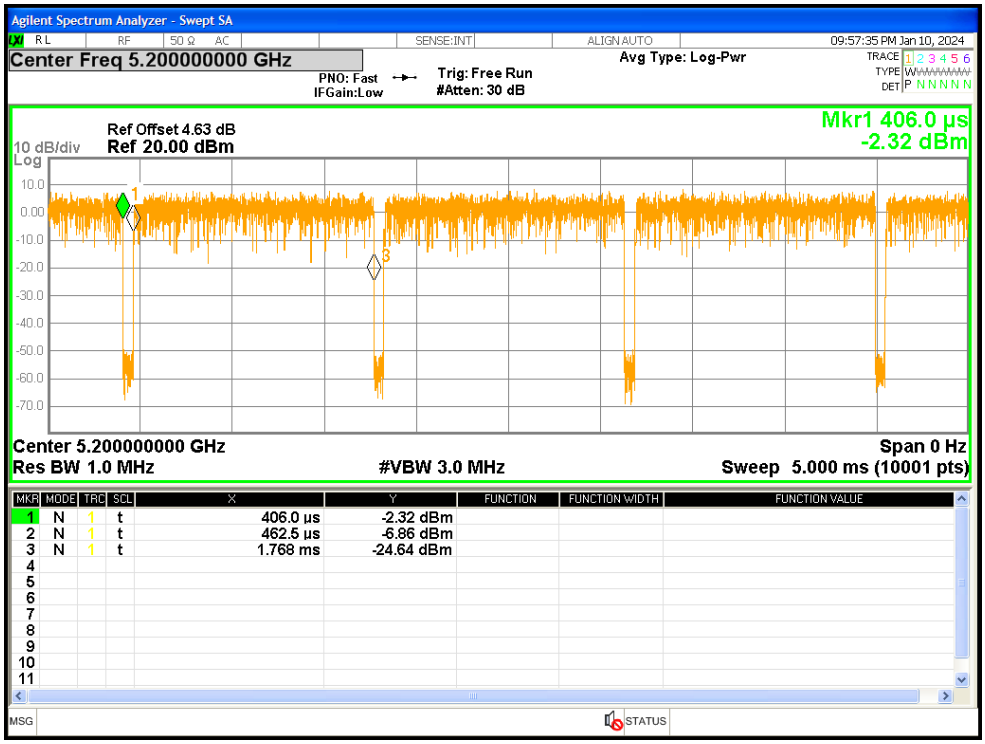
Duty Cycle NVNT ax80 5210MHz Sum



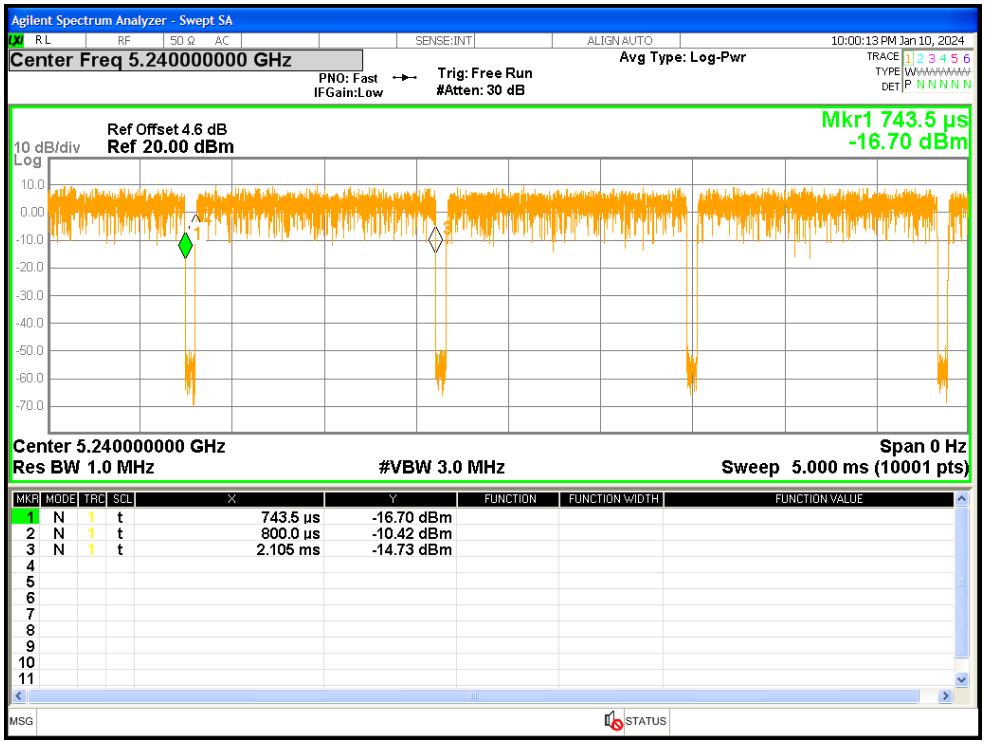
Duty Cycle NVNT n20 5180MHz Sum



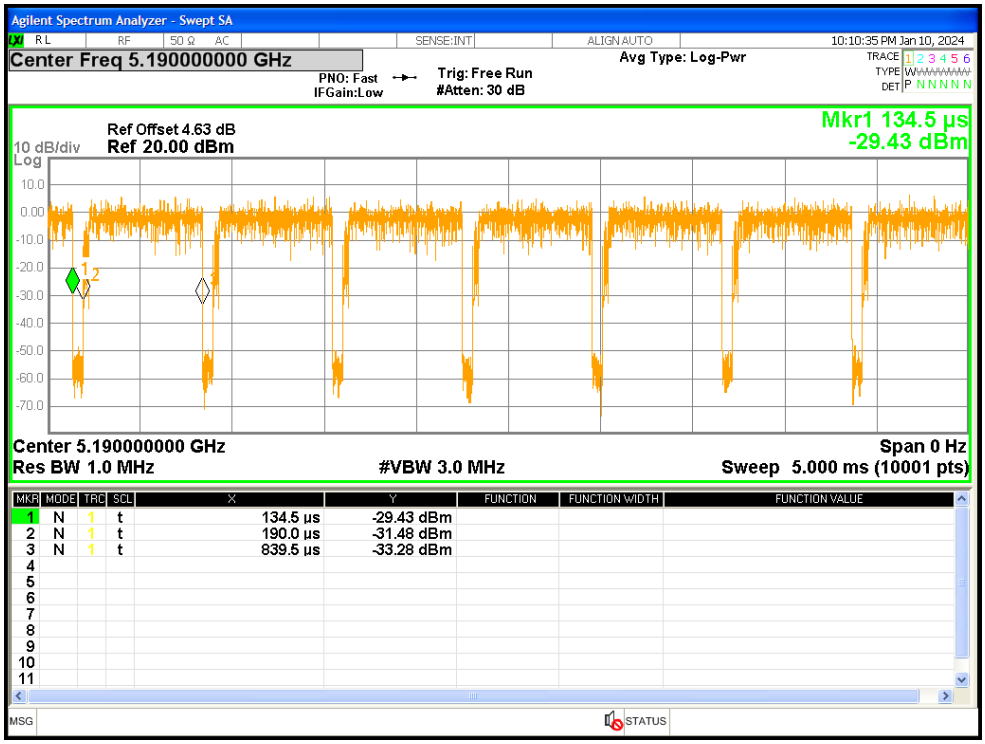
Duty Cycle NVNT n20 5200MHz Sum



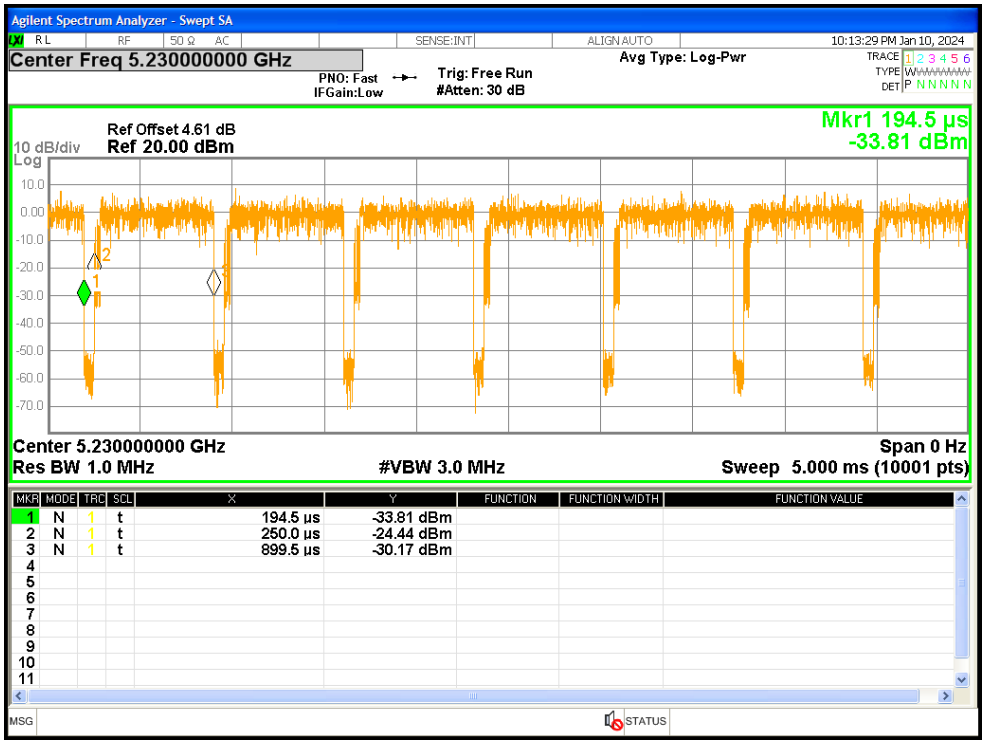
Duty Cycle NVNT n20 5240MHz Sum



Duty Cycle NVNT n40 5190MHz Sum



Duty Cycle NVNT n40 5230MHz Sum



2. Maximum Conducted Output Power

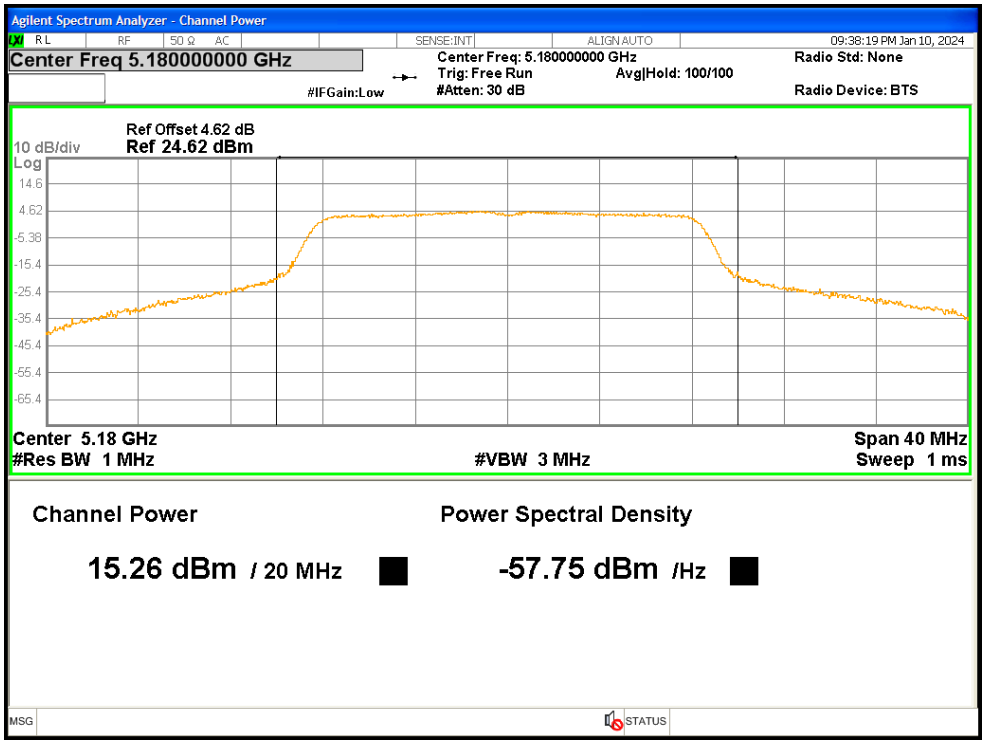
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	15.26	0.17	15.43	<=30	Pass
NVNT	a	5200	Ant1	15.44	0.17	15.61	<=30	Pass
NVNT	a	5240	Ant1	17.06	0.17	17.23	<=30	Pass
NVNT	a	5180	Ant2	14.75	0.17	14.92	<=30	Pass
NVNT	a	5200	Ant2	15.27	0.17	15.44	<=30	Pass
NVNT	a	5240	Ant2	16.28	0.17	16.45	<=30	Pass
NVNT	a	5180	Ant3	15.41	0.17	15.58	<=30	Pass
NVNT	a	5200	Ant3	15.55	0.17	15.72	<=30	Pass
NVNT	a	5240	Ant3	16.97	0.17	17.14	<=30	Pass
NVNT	ac160	5250	Ant1	11.23	1.73	12.96	<=30	Pass
NVNT	ac160	5250	Ant2	10.52	1.73	12.25	<=30	Pass
NVNT	ac160	5250	Ant3	11.01	1.73	12.74	<=30	Pass
NVNT	ac160	5250	Sum	15.7	1.73	17.43	<=26.96	Pass
NVNT	ac20	5180	Ant1	9.3	0.48	9.78	<=30	Pass
NVNT	ac20	5180	Ant2	8.87	0.48	9.35	<=30	Pass
NVNT	ac20	5180	Ant3	9.46	0.48	9.94	<=30	Pass
NVNT	ac20	5180	Sum	13.99	0.48	14.47	<=26.96	Pass
NVNT	ac20	5200	Ant1	9.5	0.48	9.98	<=30	Pass
NVNT	ac20	5200	Ant2	9.37	0.48	9.85	<=30	Pass
NVNT	ac20	5200	Ant3	9.64	0.48	10.12	<=30	Pass
NVNT	ac20	5200	Sum	14.28	0.48	14.76	<=26.96	Pass
NVNT	ac20	5240	Ant1	11.21	0.48	11.69	<=30	Pass
NVNT	ac20	5240	Ant2	10.38	0.48	10.86	<=30	Pass
NVNT	ac20	5240	Ant3	10.96	0.48	11.44	<=30	Pass
NVNT	ac20	5240	Sum	15.63	0.48	16.11	<=26.96	Pass
NVNT	ac40	5190	Ant1	11.19	0.84	12.03	<=30	Pass
NVNT	ac40	5190	Ant2	10.87	0.84	11.71	<=30	Pass
NVNT	ac40	5190	Ant3	11.31	0.84	12.15	<=30	Pass
NVNT	ac40	5190	Sum	15.9	0.84	16.74	<=26.96	Pass
NVNT	ac40	5230	Ant1	12.61	0.84	13.45	<=30	Pass
NVNT	ac40	5230	Ant2	12	0.84	12.84	<=30	Pass
NVNT	ac40	5230	Ant3	12.37	0.84	13.21	<=30	Pass
NVNT	ac40	5230	Sum	17.11	0.84	17.95	<=26.96	Pass
NVNT	ac80	5210	Ant1	11.33	1.37	12.7	<=30	Pass
NVNT	ac80	5210	Ant2	10.94	1.37	12.31	<=30	Pass
NVNT	ac80	5210	Ant3	11.1	1.37	12.47	<=30	Pass
NVNT	ac80	5210	Sum	15.9	1.37	17.27	<=26.96	Pass
NVNT	ax160	5250	Ant1	11.86	1.25	13.11	<=30	Pass
NVNT	ax160	5250	Ant2	11.31	1.25	12.56	<=30	Pass

NVNT	ax160	5250	Ant3	11.83	1.25	13.08	<=30	Pass
NVNT	ax160	5250	Sum	16.45	1.25	17.7	<=26.96	Pass
NVNT	ax20	5180	Ant1	9.53	0.53	10.06	<=30	Pass
NVNT	ax20	5180	Ant2	9.04	0.53	9.57	<=30	Pass
NVNT	ax20	5180	Ant3	9.62	0.53	10.15	<=30	Pass
NVNT	ax20	5180	Sum	14.18	0.53	14.71	<=26.96	Pass
NVNT	ax20	5200	Ant1	9.64	0.53	10.17	<=30	Pass
NVNT	ax20	5200	Ant2	9.53	0.53	10.06	<=30	Pass
NVNT	ax20	5200	Ant3	9.73	0.53	10.26	<=30	Pass
NVNT	ax20	5200	Sum	14.41	0.53	14.94	<=26.96	Pass
NVNT	ax20	5240	Ant1	11.37	0.53	11.9	<=30	Pass
NVNT	ax20	5240	Ant2	10.61	0.53	11.14	<=30	Pass
NVNT	ax20	5240	Ant3	11.2	0.53	11.73	<=30	Pass
NVNT	ax20	5240	Sum	15.84	0.53	16.37	<=26.96	Pass
NVNT	ax40	5190	Ant1	11.43	0.81	12.24	<=30	Pass
NVNT	ax40	5190	Ant2	11.08	0.81	11.89	<=30	Pass
NVNT	ax40	5190	Ant3	11.5	0.81	12.31	<=30	Pass
NVNT	ax40	5190	Sum	16.11	0.81	16.92	<=26.96	Pass
NVNT	ax40	5230	Ant1	12.78	0.82	13.6	<=30	Pass
NVNT	ax40	5230	Ant2	12.18	0.82	13	<=30	Pass
NVNT	ax40	5230	Ant3	12.68	0.82	13.5	<=30	Pass
NVNT	ax40	5230	Sum	17.33	0.82	18.15	<=26.96	Pass
NVNT	ax80	5210	Ant1	11.81	1.15	12.96	<=30	Pass
NVNT	ax80	5210	Ant2	11.38	1.15	12.53	<=30	Pass
NVNT	ax80	5210	Ant3	11.58	1.15	12.73	<=30	Pass
NVNT	ax80	5210	Sum	16.36	1.15	17.51	<=26.96	Pass
NVNT	n20	5180	Ant1	10.36	0.18	10.54	<=30	Pass
NVNT	n20	5180	Ant2	9.9	0.18	10.08	<=30	Pass
NVNT	n20	5180	Ant3	10.45	0.18	10.63	<=30	Pass
NVNT	n20	5180	Sum	15.01	0.18	15.19	<=26.96	Pass
NVNT	n20	5200	Ant1	10.58	0.18	10.76	<=30	Pass
NVNT	n20	5200	Ant2	10.47	0.18	10.65	<=30	Pass
NVNT	n20	5200	Ant3	10.52	0.18	10.7	<=30	Pass
NVNT	n20	5200	Sum	15.29	0.18	15.47	<=26.96	Pass
NVNT	n20	5240	Ant1	11.82	0.18	12	<=30	Pass
NVNT	n20	5240	Ant2	11.21	0.18	11.39	<=30	Pass
NVNT	n20	5240	Ant3	11.71	0.18	11.89	<=30	Pass
NVNT	n20	5240	Sum	16.36	0.18	16.54	<=26.96	Pass
NVNT	n40	5190	Ant1	11.8	0.36	12.16	<=30	Pass
NVNT	n40	5190	Ant2	11.45	0.36	11.81	<=30	Pass
NVNT	n40	5190	Ant3	11.76	0.36	12.12	<=30	Pass
NVNT	n40	5190	Sum	16.44	0.36	16.8	<=26.96	Pass
NVNT	n40	5230	Ant1	13.04	0.36	13.4	<=30	Pass
NVNT	n40	5230	Ant2	12.52	0.36	12.88	<=30	Pass

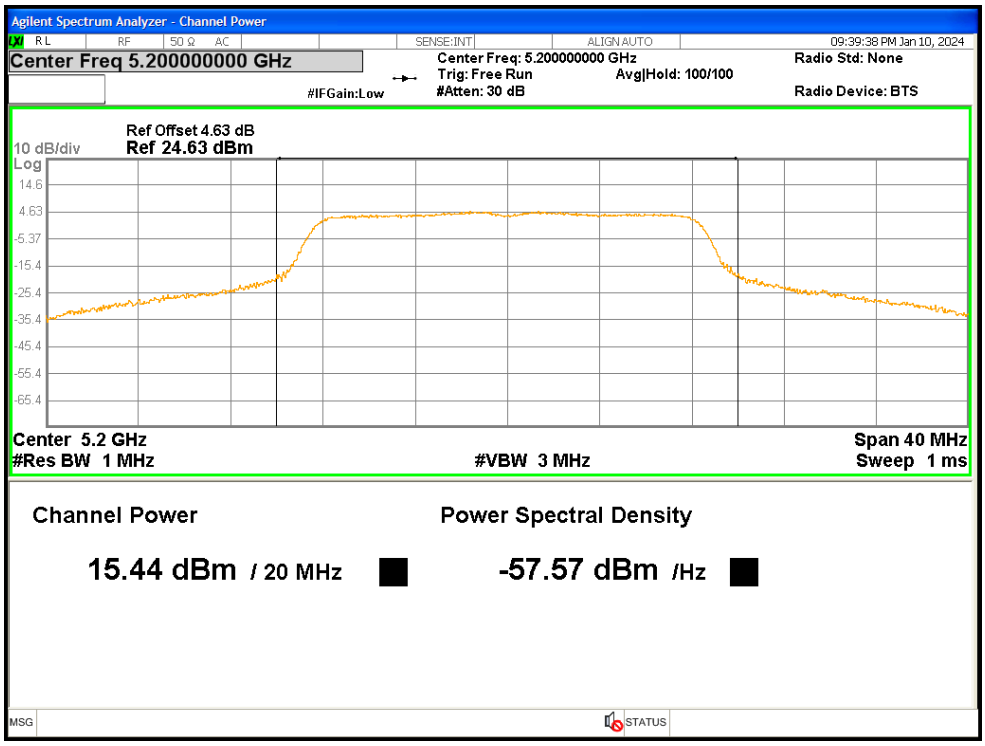
NVNT	n40	5230	Ant3	12.95	0.36	13.31	<=30	Pass
NVNT	n40	5230	Sum	17.61	0.36	17.97	<=26.96	Pass

Test Graphs

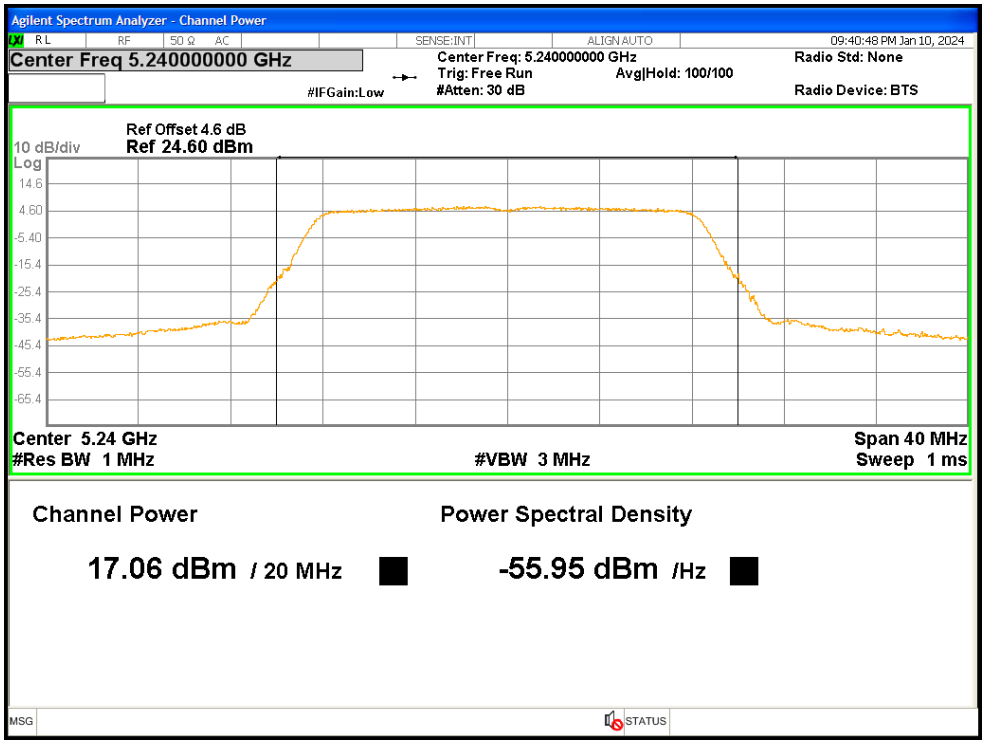
Power NVNT a 5180MHz Ant1



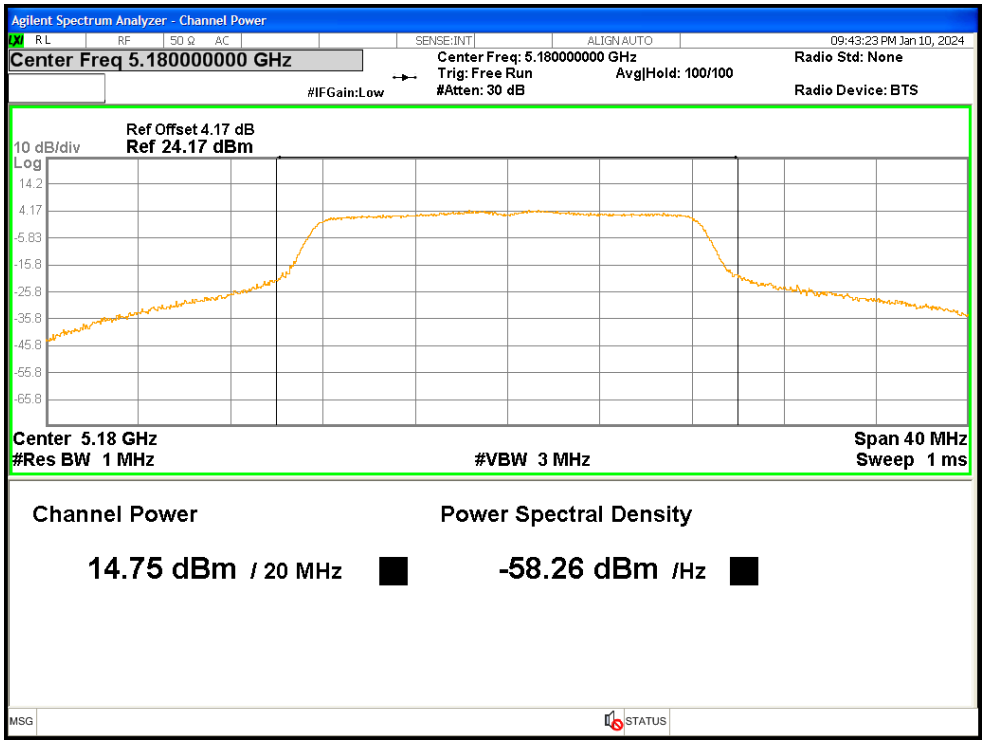
Power NVNT a 5200MHz Ant1



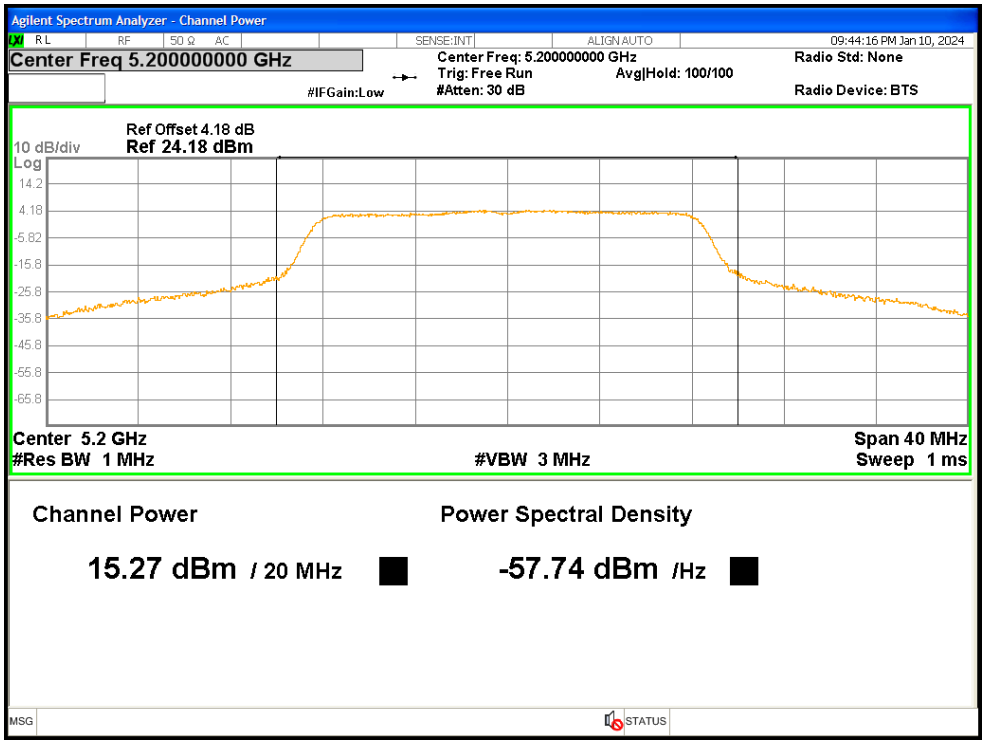
Power NVNT a 5240MHz Ant1



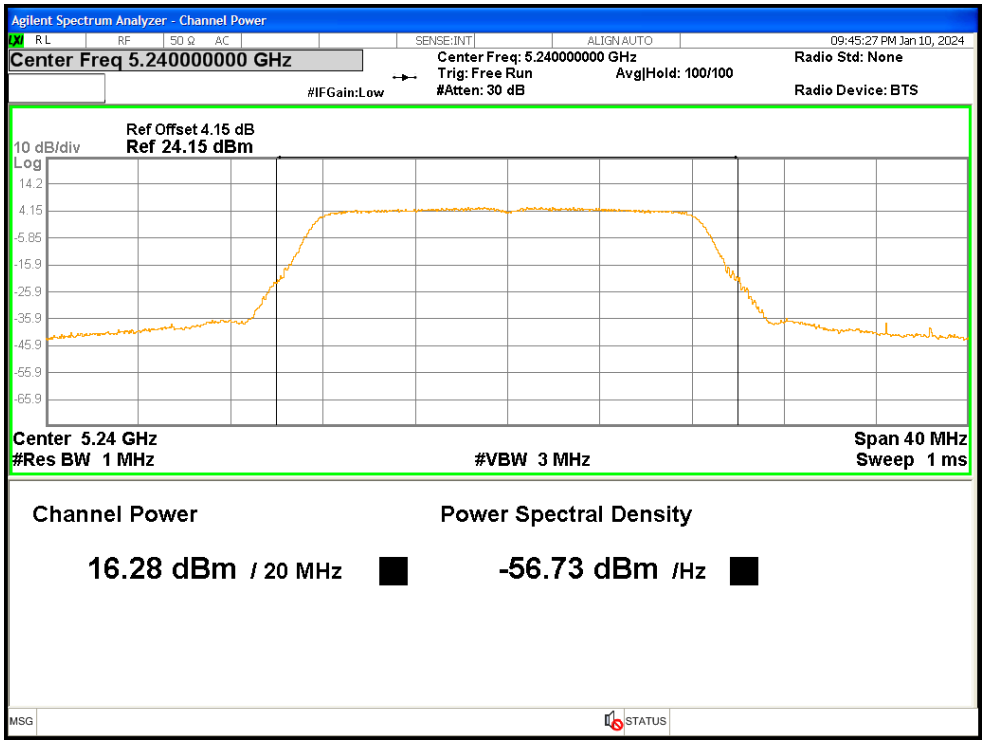
Power NVNT a 5180MHz Ant2



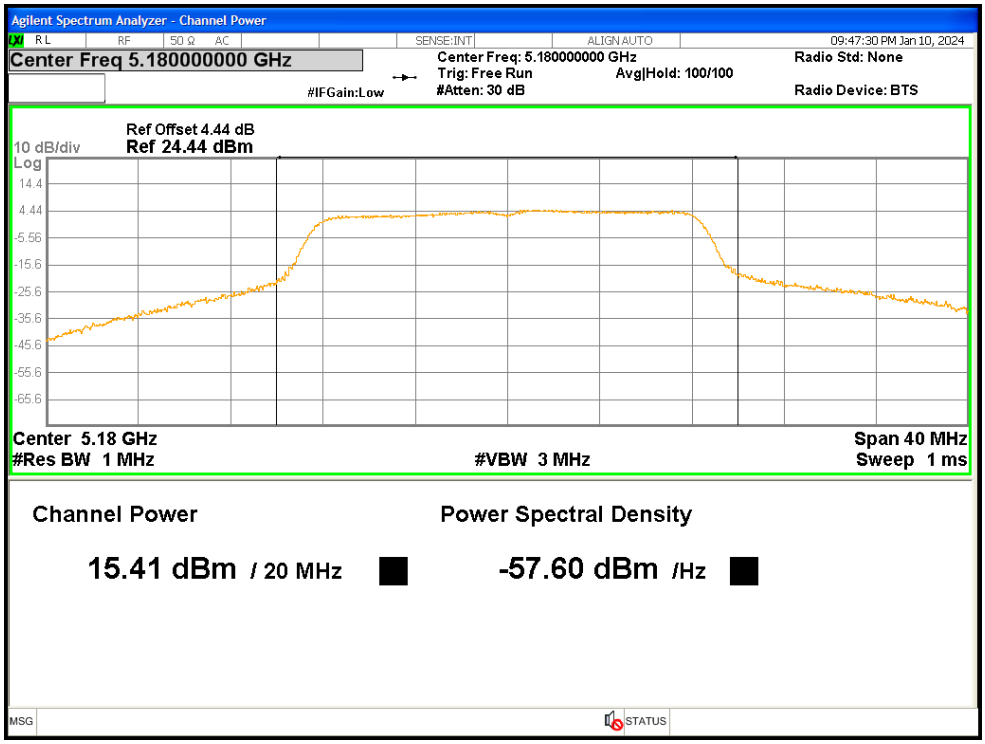
Power NVNT a 5200MHz Ant2



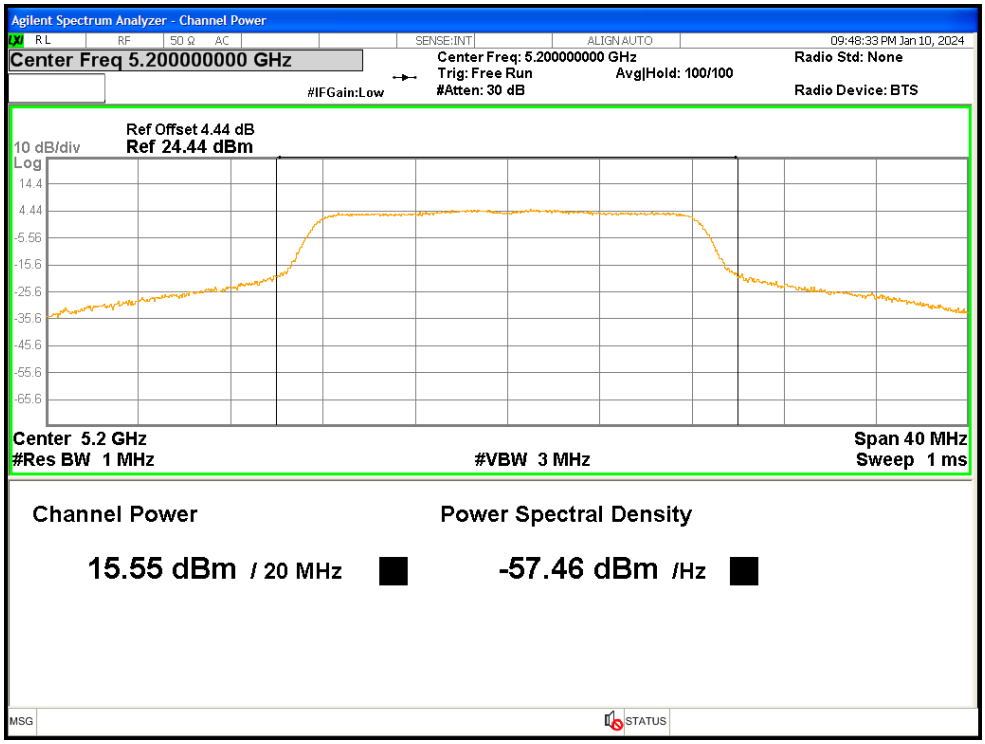
Power NVNT a 5240MHz Ant2



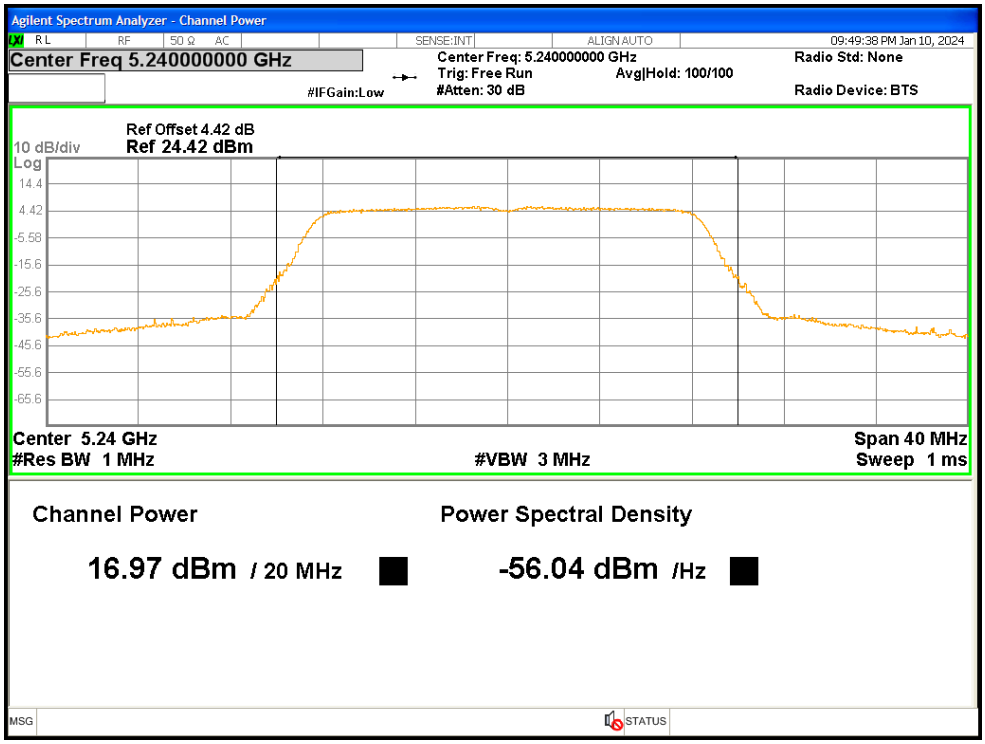
Power NVNT a 5180MHz Ant3



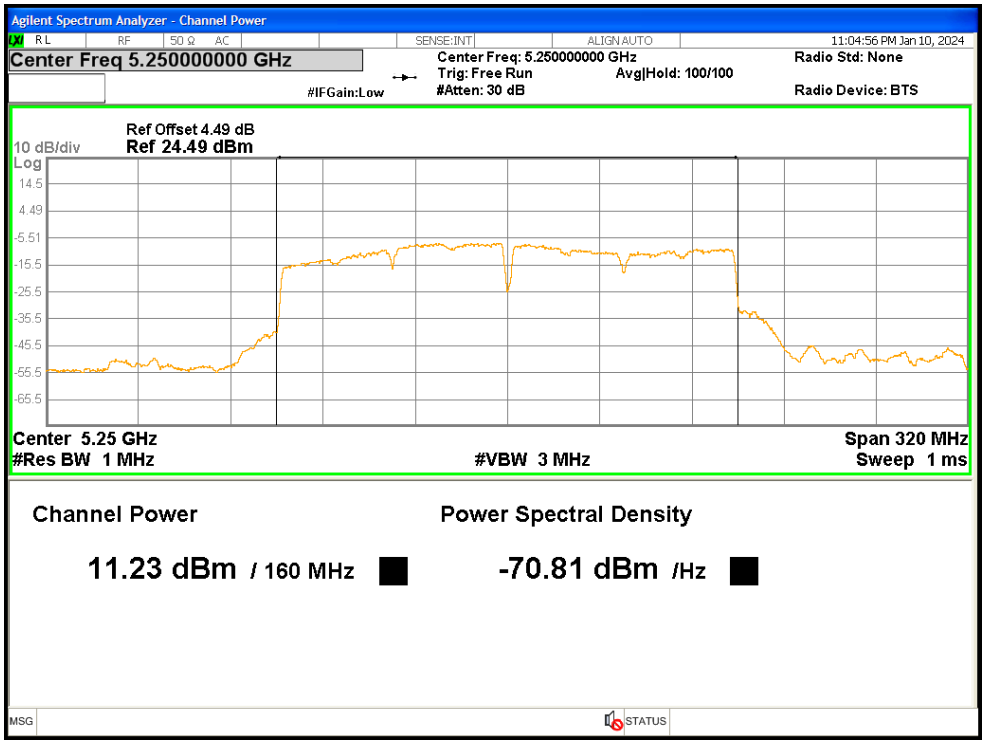
Power NVNT a 5200MHz Ant3



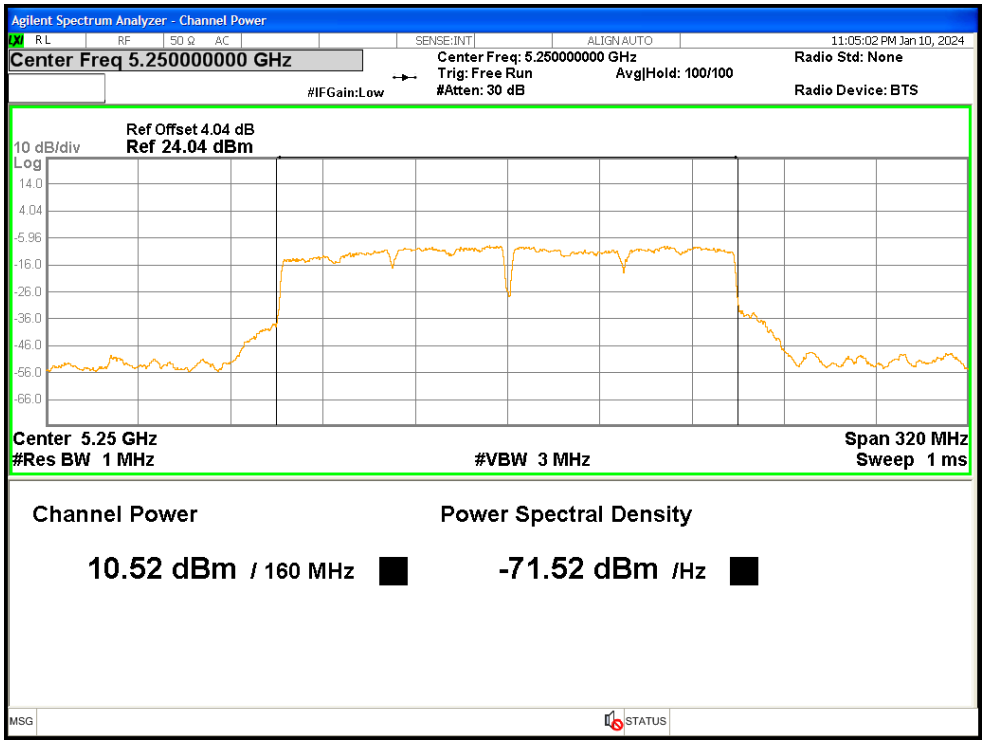
Power NVNT a 5240MHz Ant3



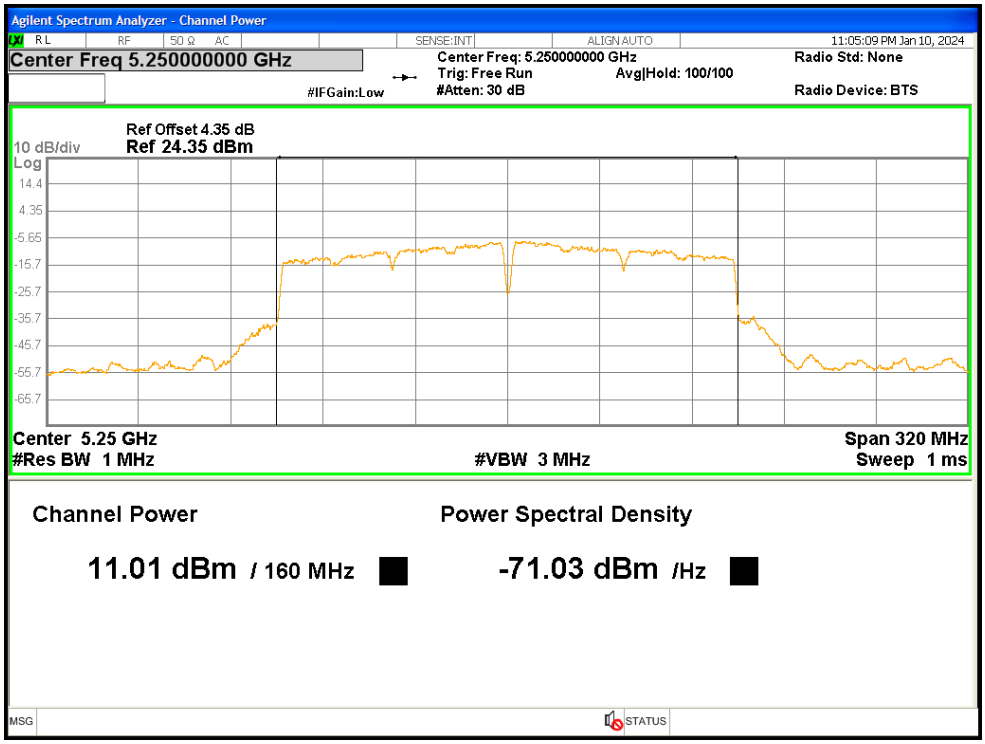
Power NVNT ac160 5250MHz Ant1



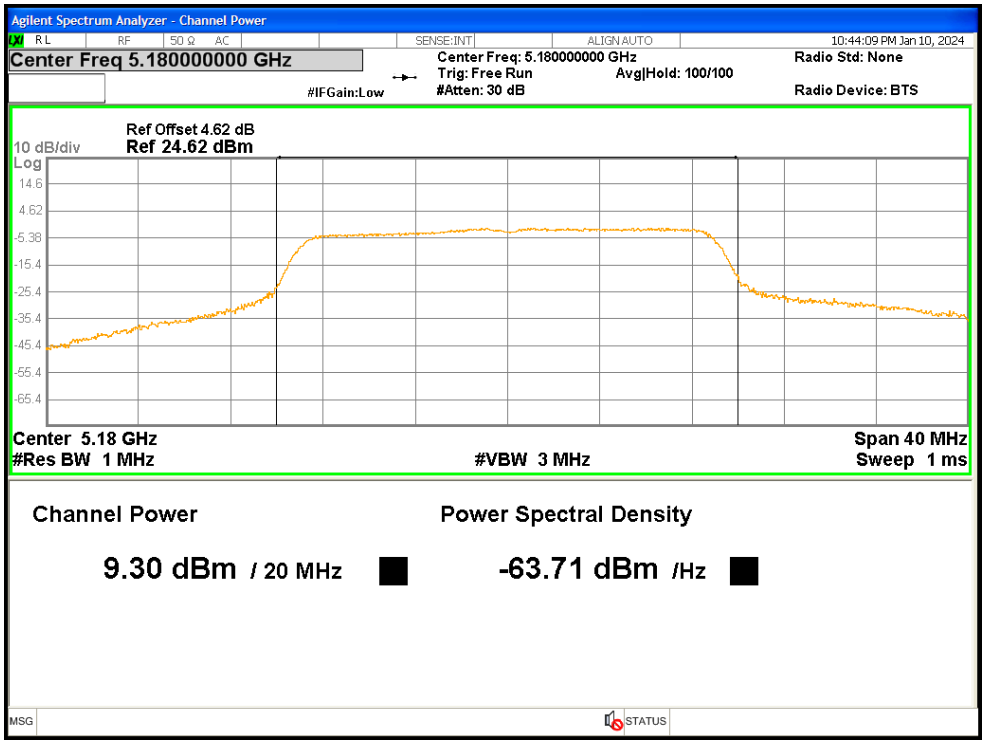
Power NVNT ac160 5250MHz Ant2



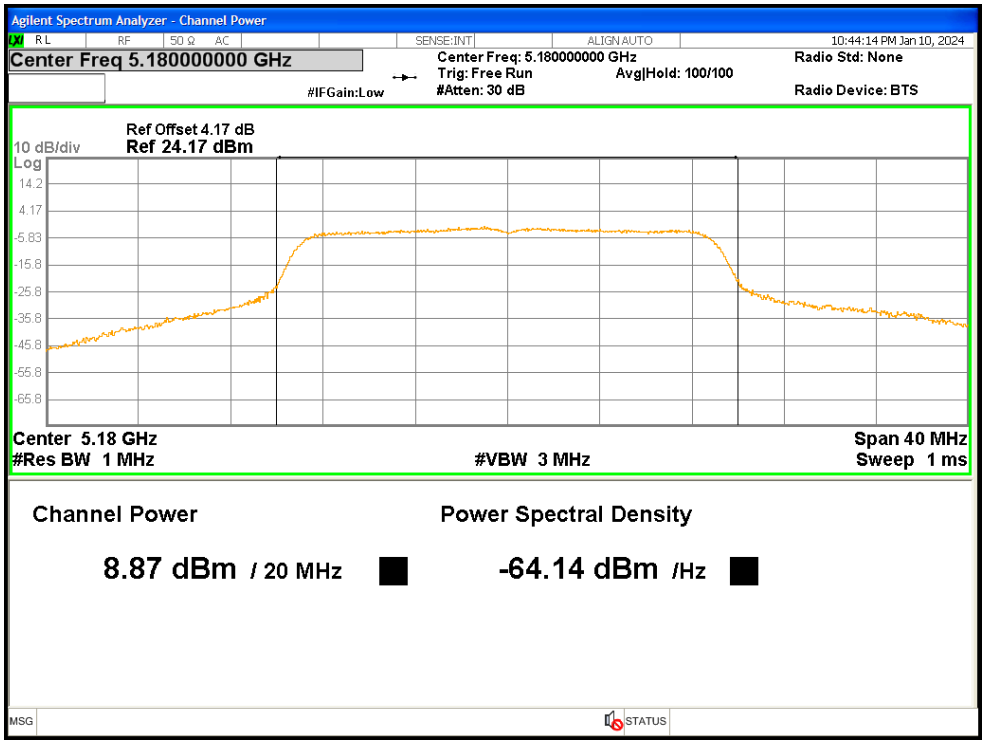
Power NVNT ac160 5250MHz Ant3



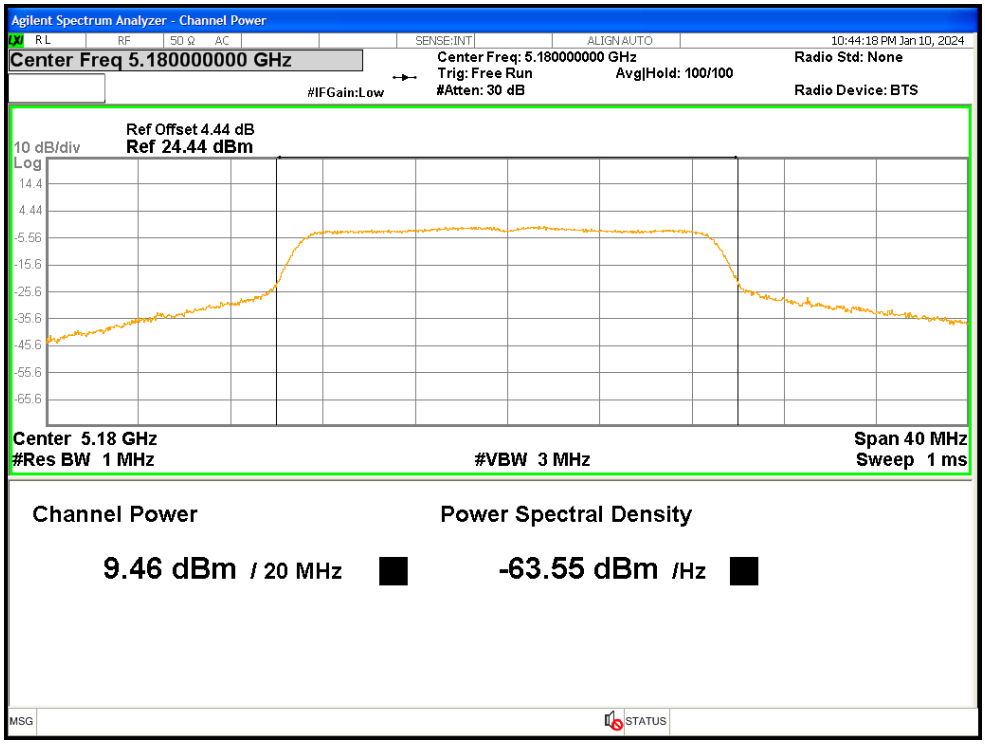
Power NVNT ac20 5180MHz Ant1



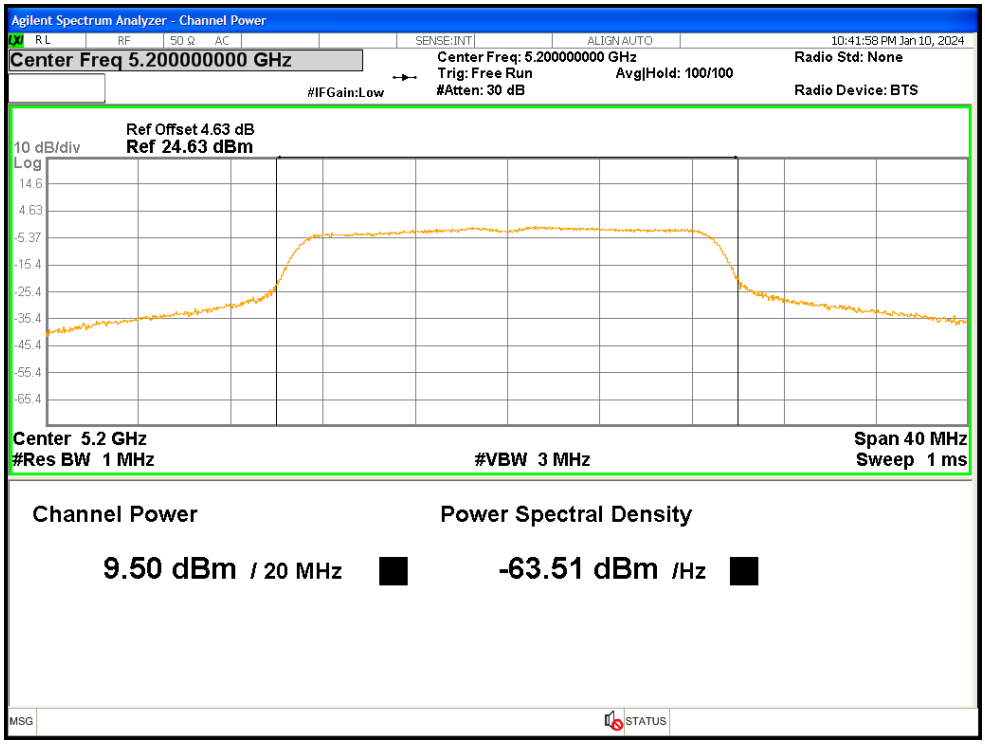
Power NVNT ac20 5180MHz Ant2



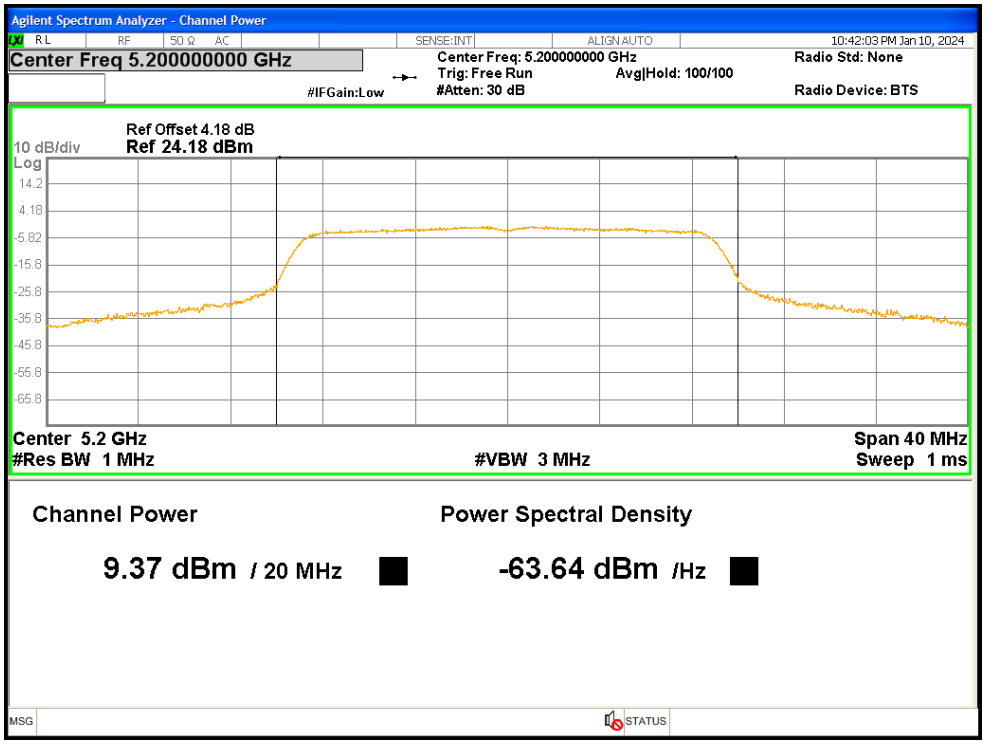
Power NVNT ac20 5180MHz Ant3



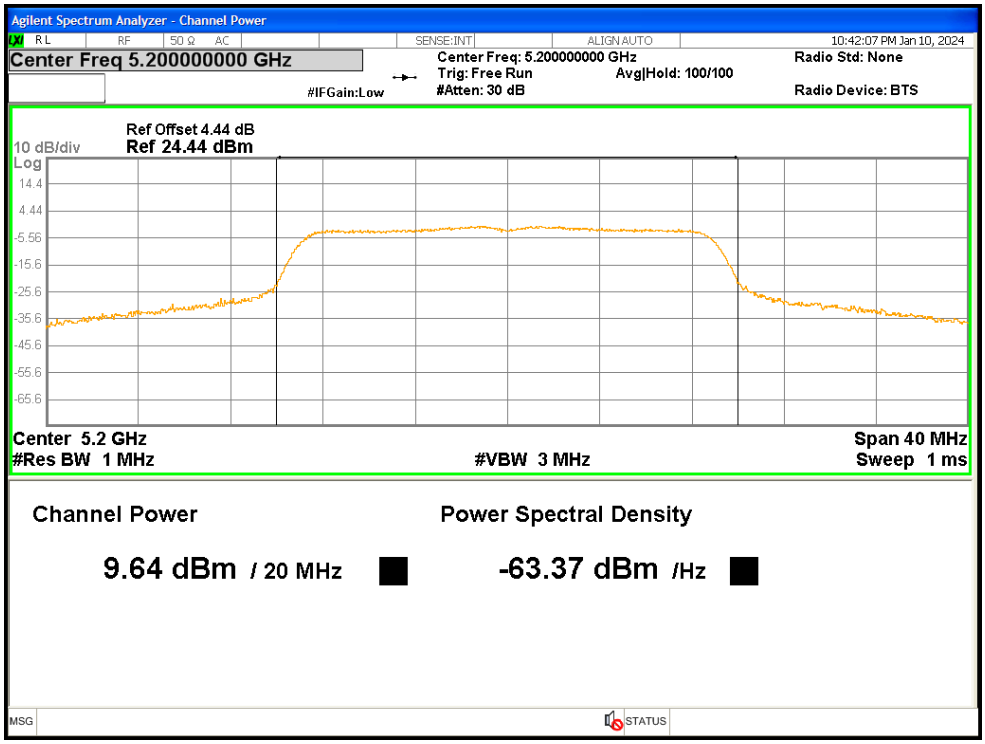
Power NVNT ac20 5200MHz Ant1



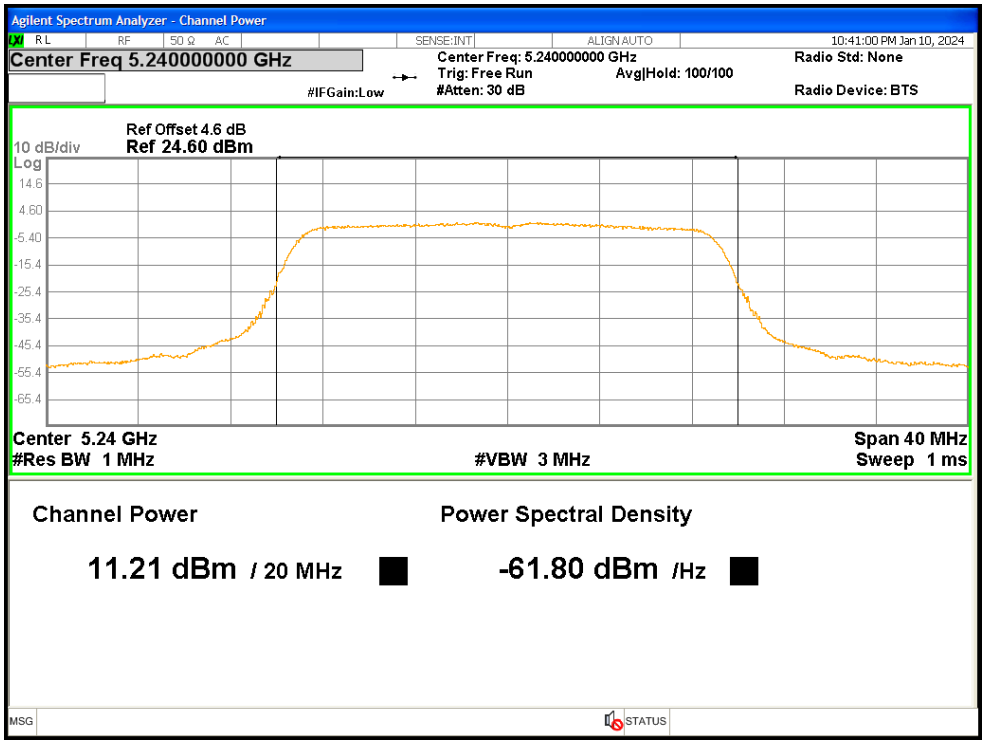
Power NVNT ac20 5200MHz Ant2



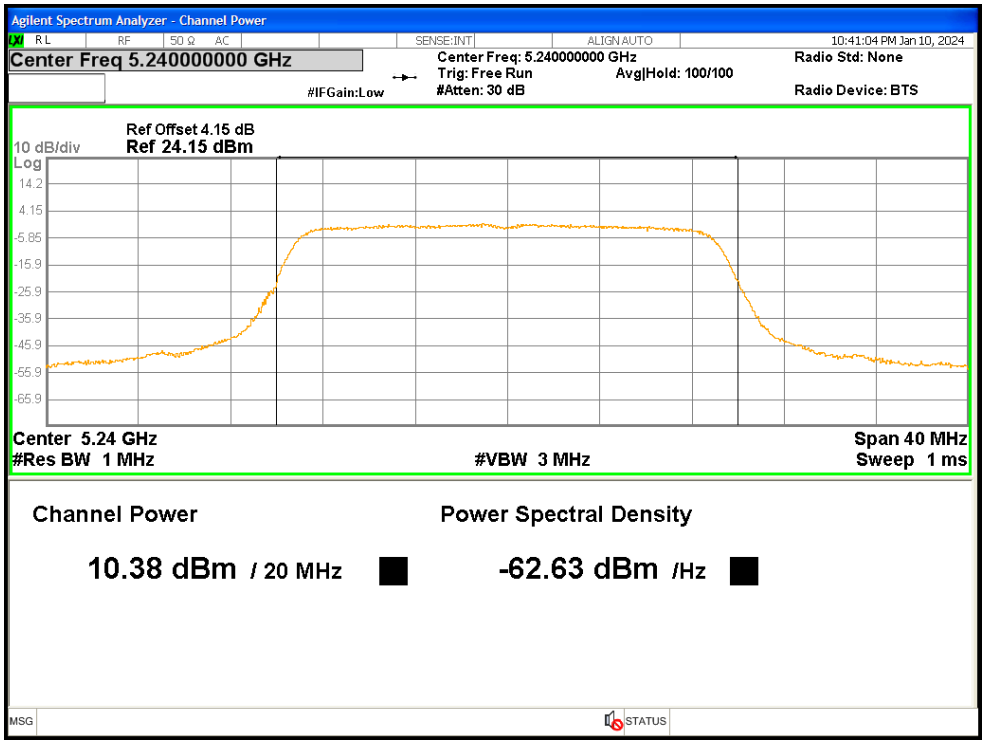
Power NVNT ac20 5200MHz Ant3



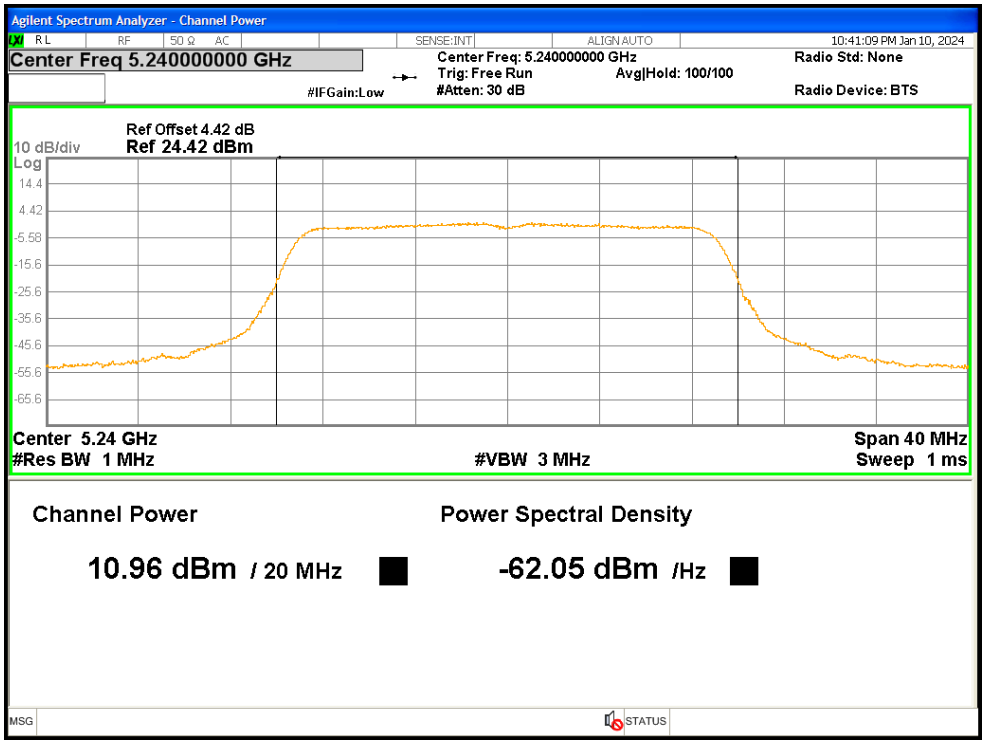
Power NVNT ac20 5240MHz Ant1



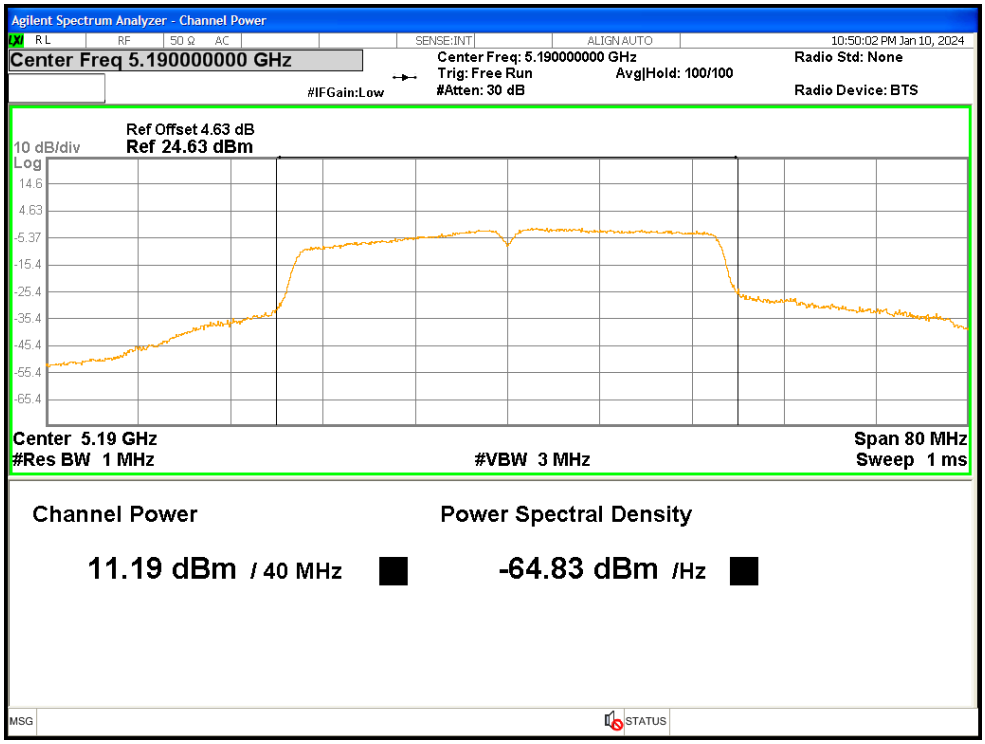
Power NVNT ac20 5240MHz Ant2



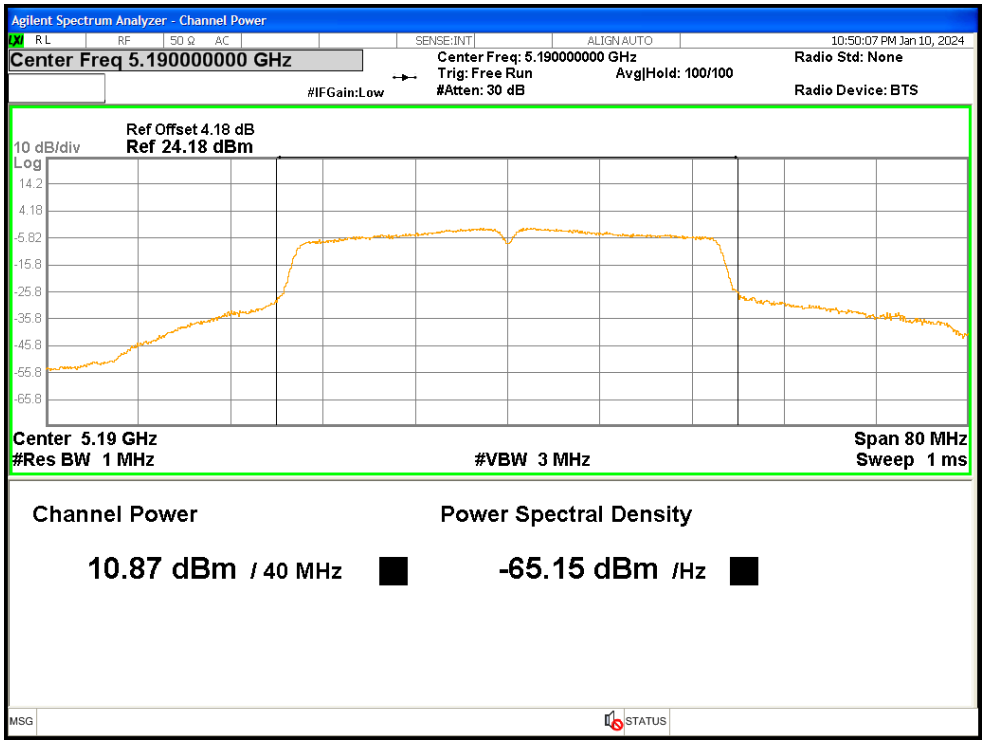
Power NVNT ac20 5240MHz Ant3



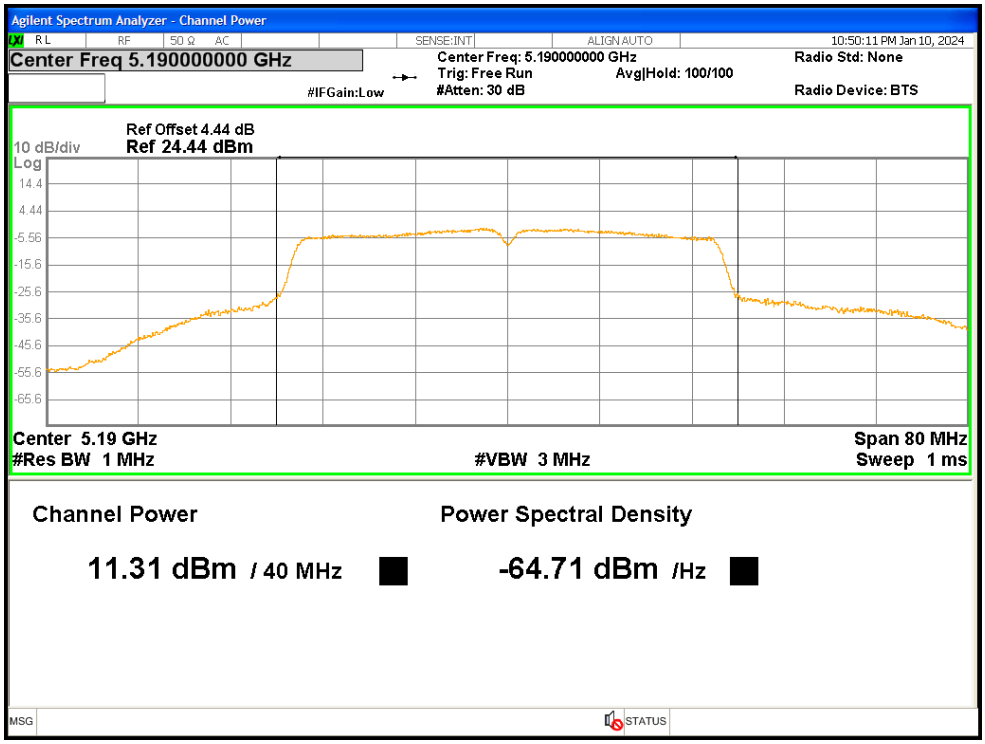
Power NVNT ac40 5190MHz Ant1



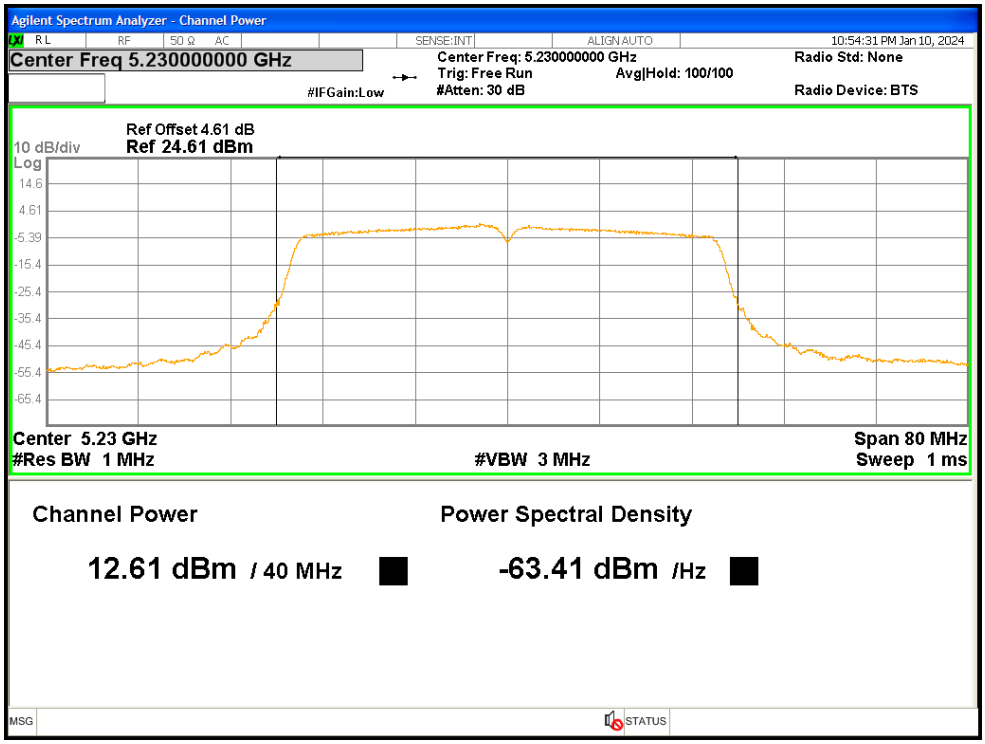
Power NVNT ac40 5190MHz Ant2



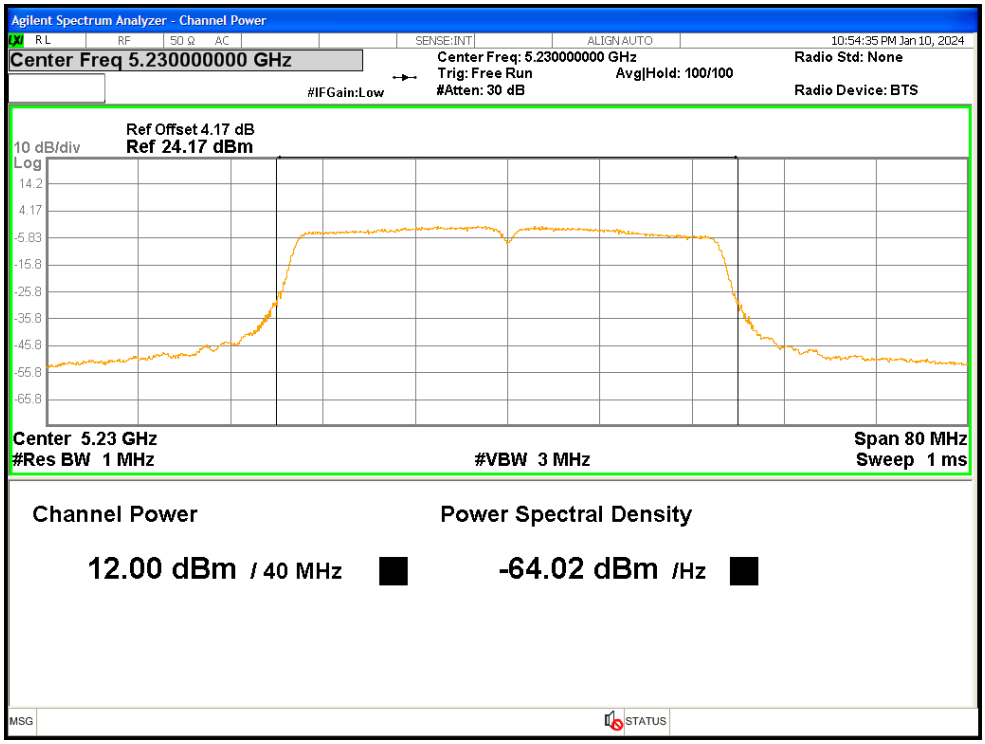
Power NVNT ac40 5190MHz Ant3



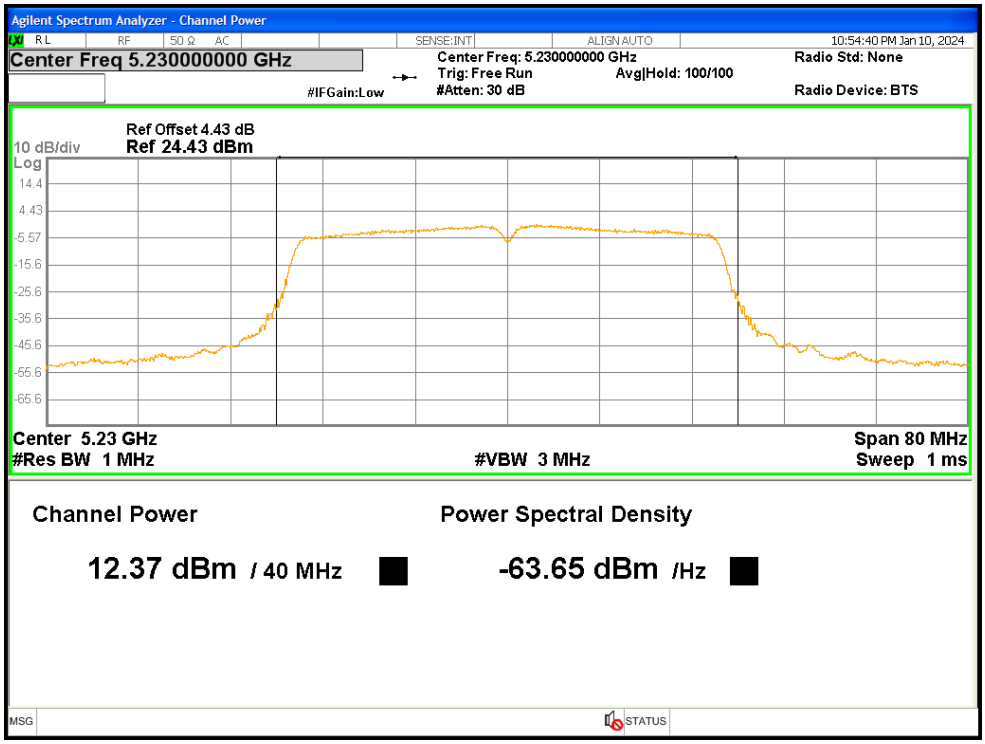
Power NVNT ac40 5230MHz Ant1



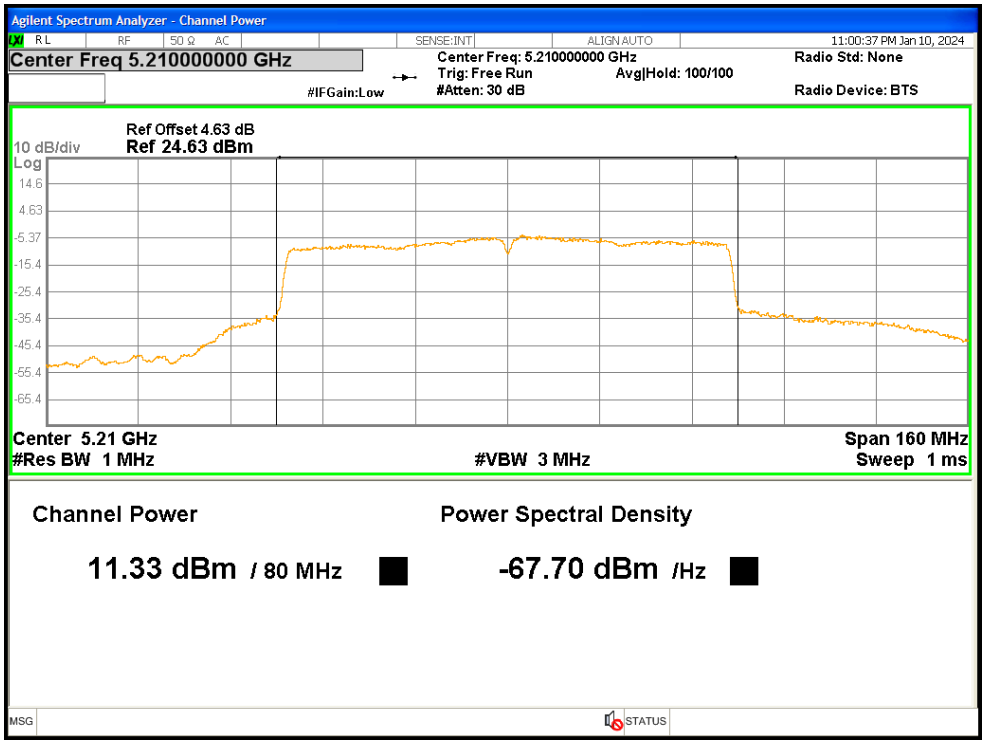
Power NVNT ac40 5230MHz Ant2



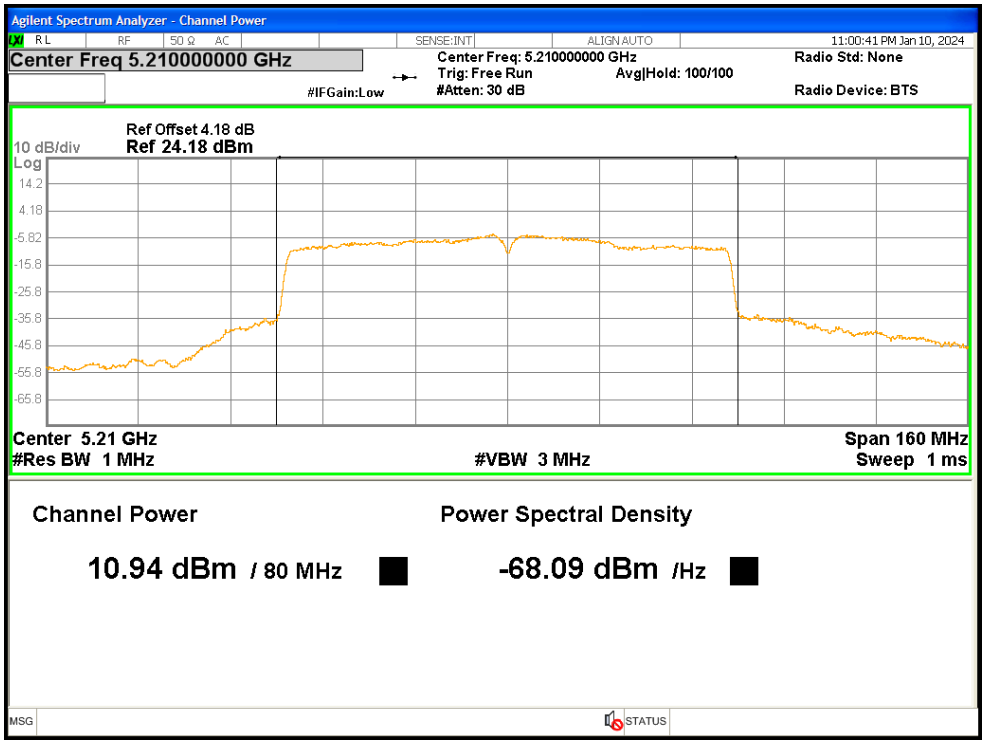
Power NVNT ac40 5230MHz Ant3



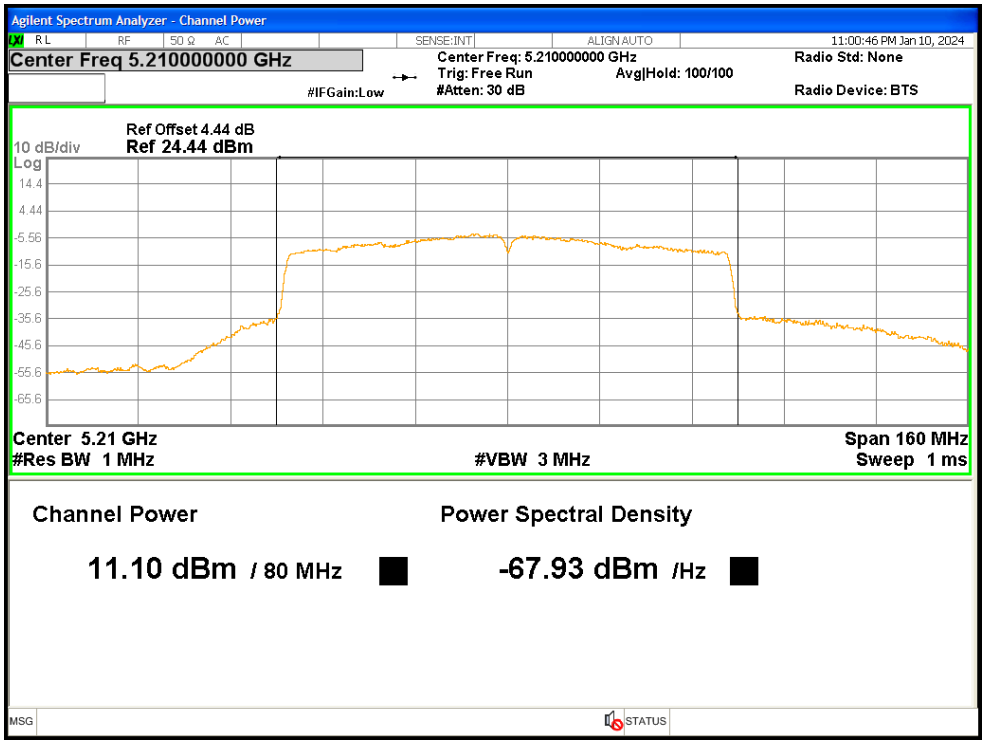
Power NVNT ac80 5210MHz Ant1



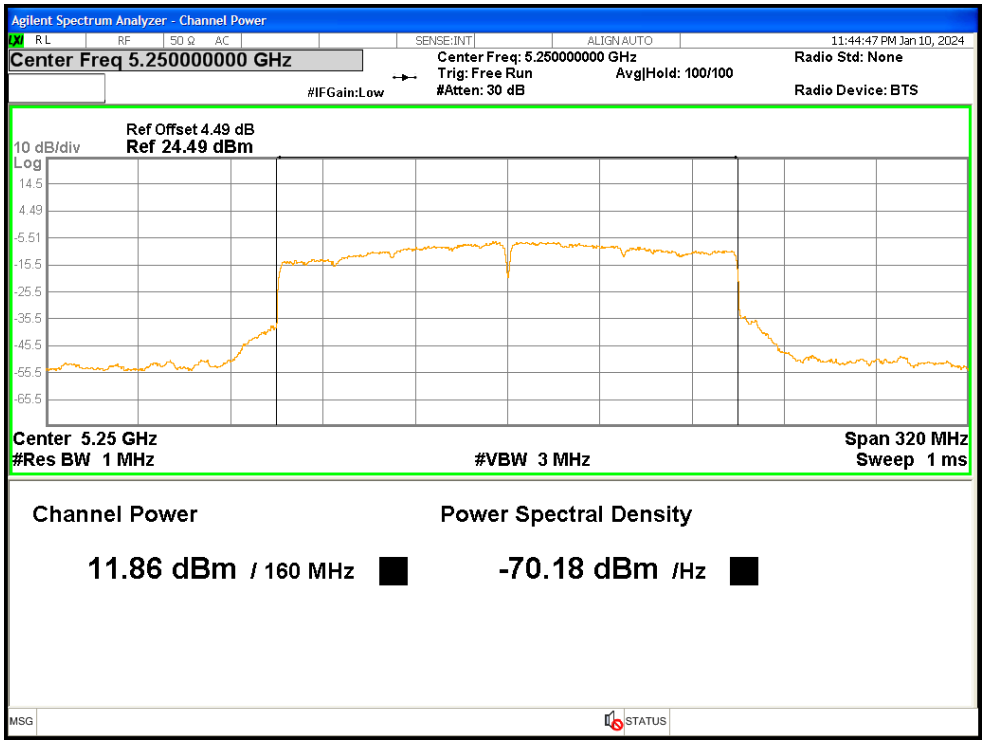
Power NVNT ac80 5210MHz Ant2



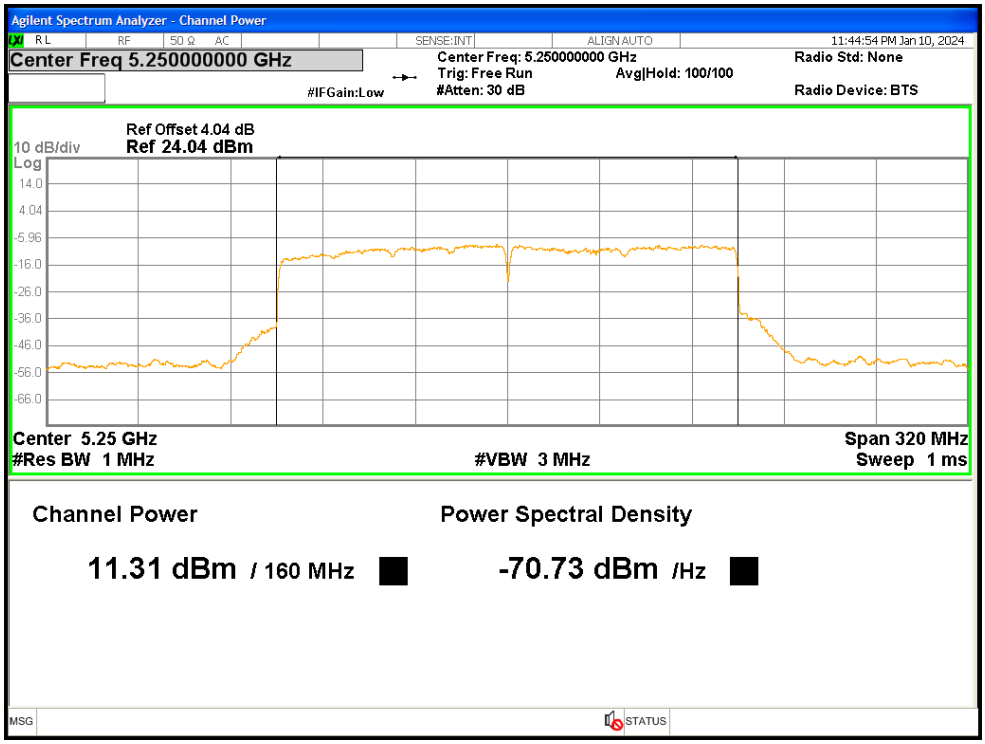
Power NVNT ac80 5210MHz Ant3



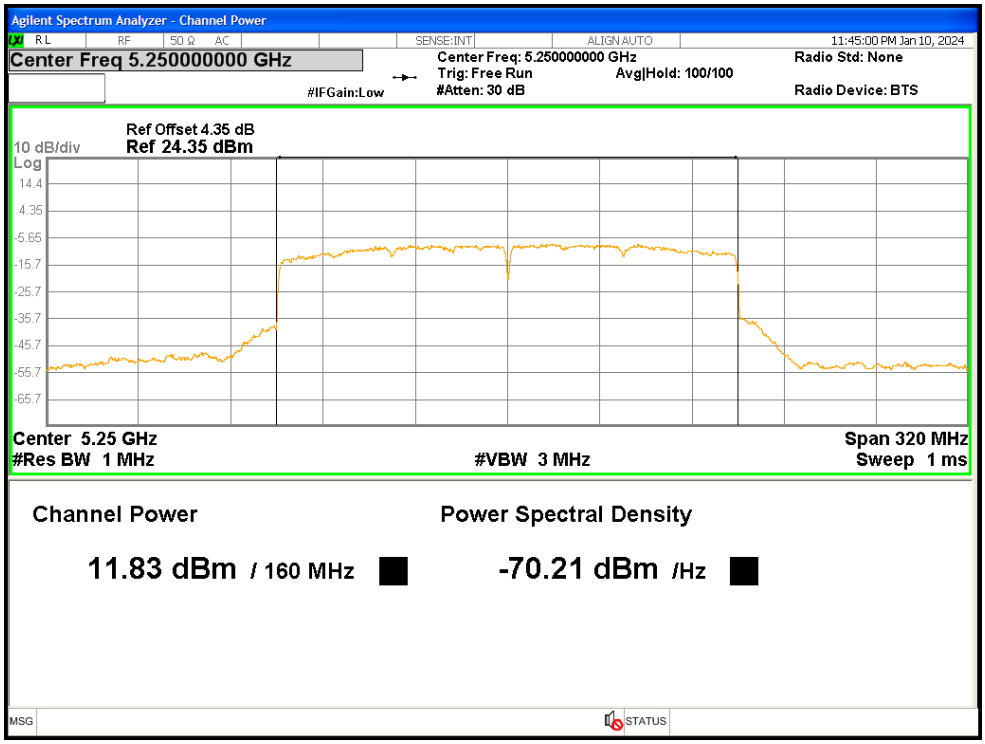
Power NVNT ax160 5250MHz Ant1



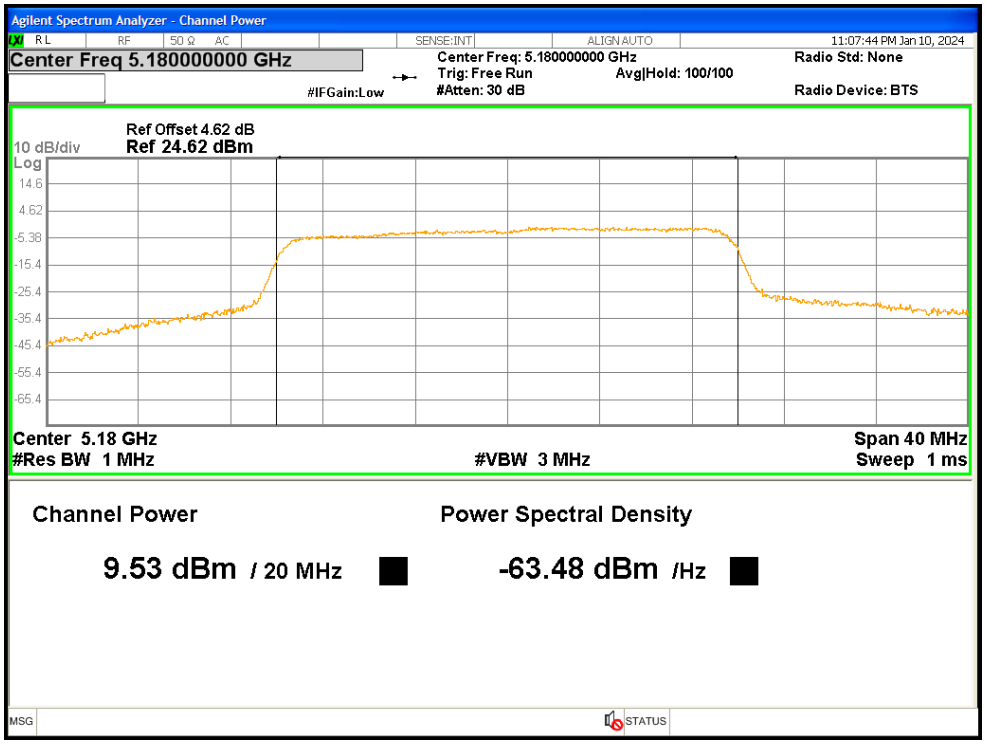
Power NVNT ax160 5250MHz Ant2



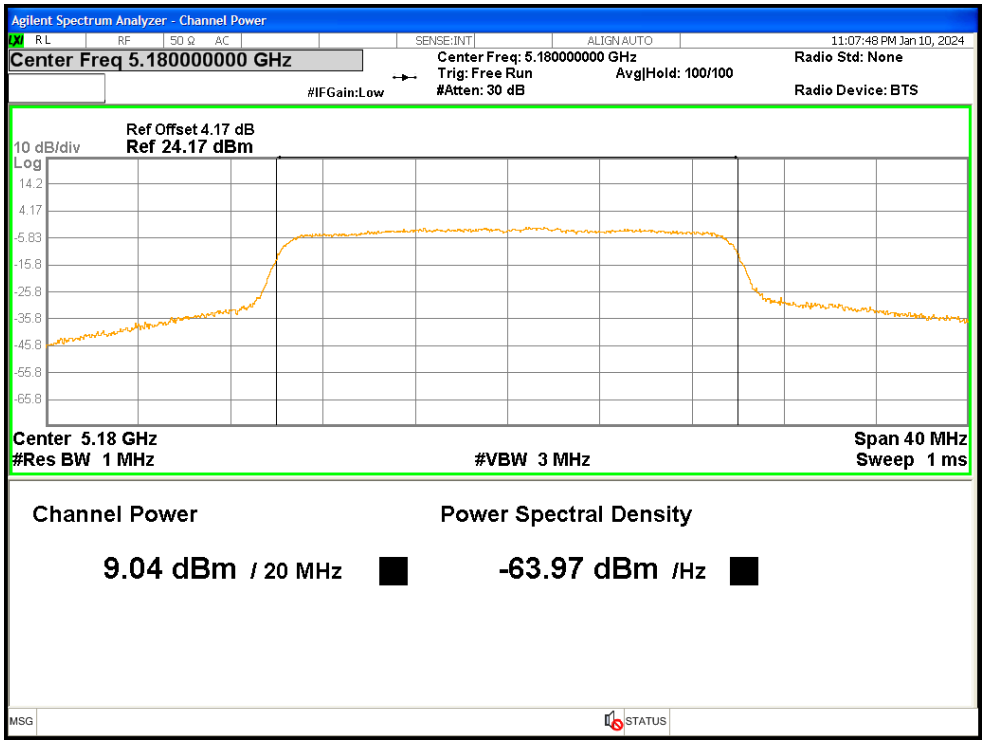
Power NVNT ax160 5250MHz Ant3



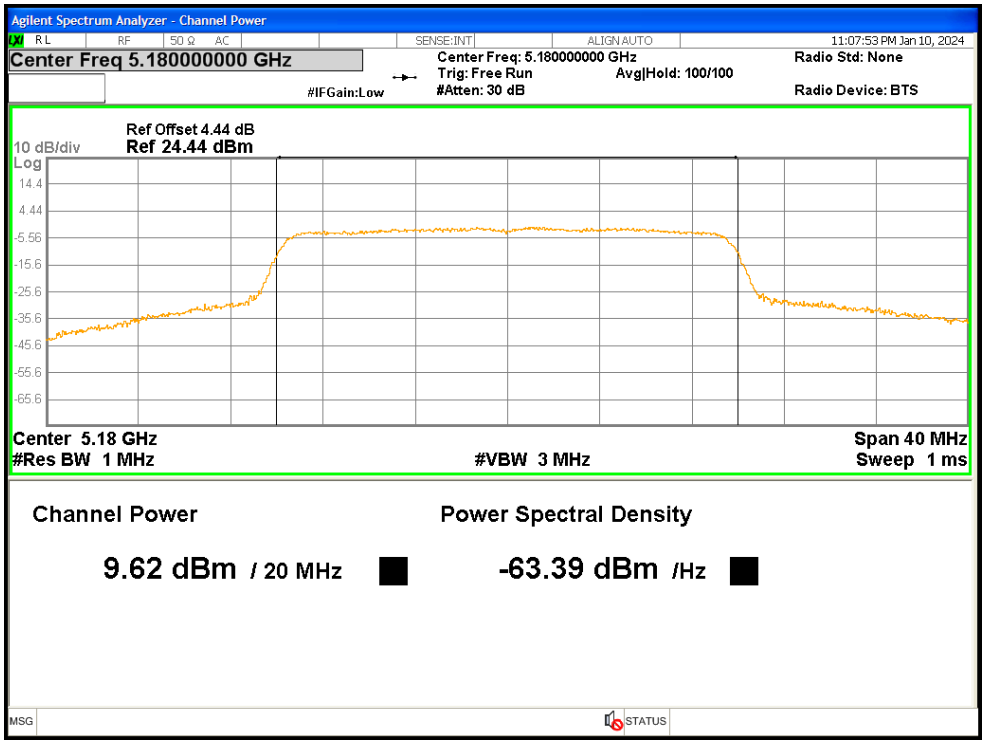
Power NVNT ax20 5180MHz Ant1



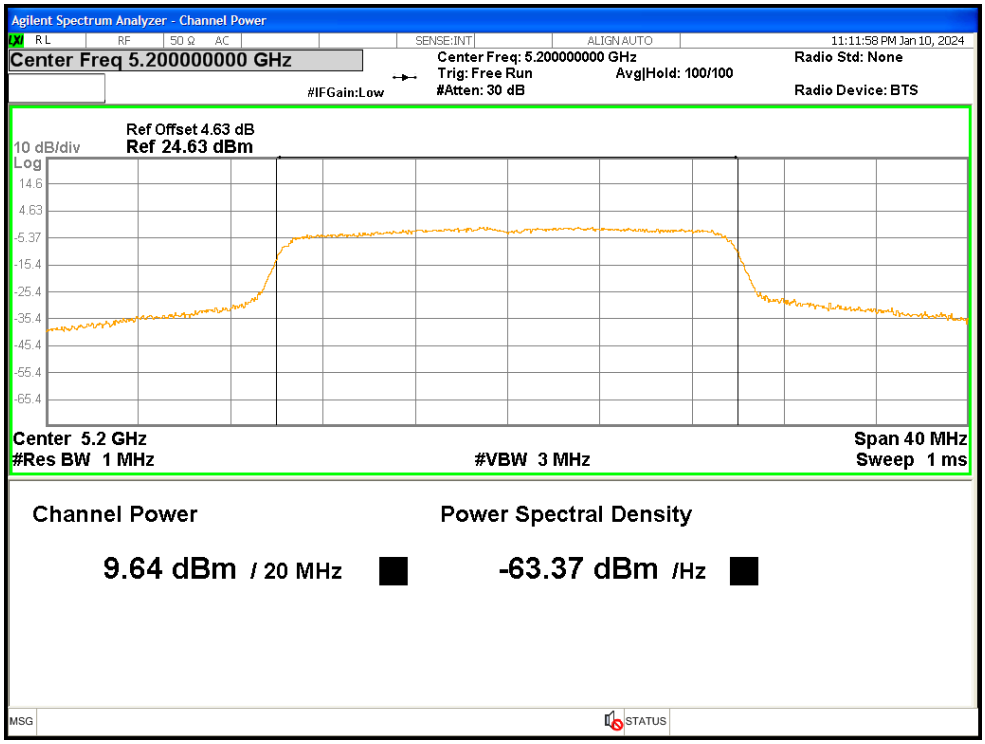
Power NVNT ax20 5180MHz Ant2



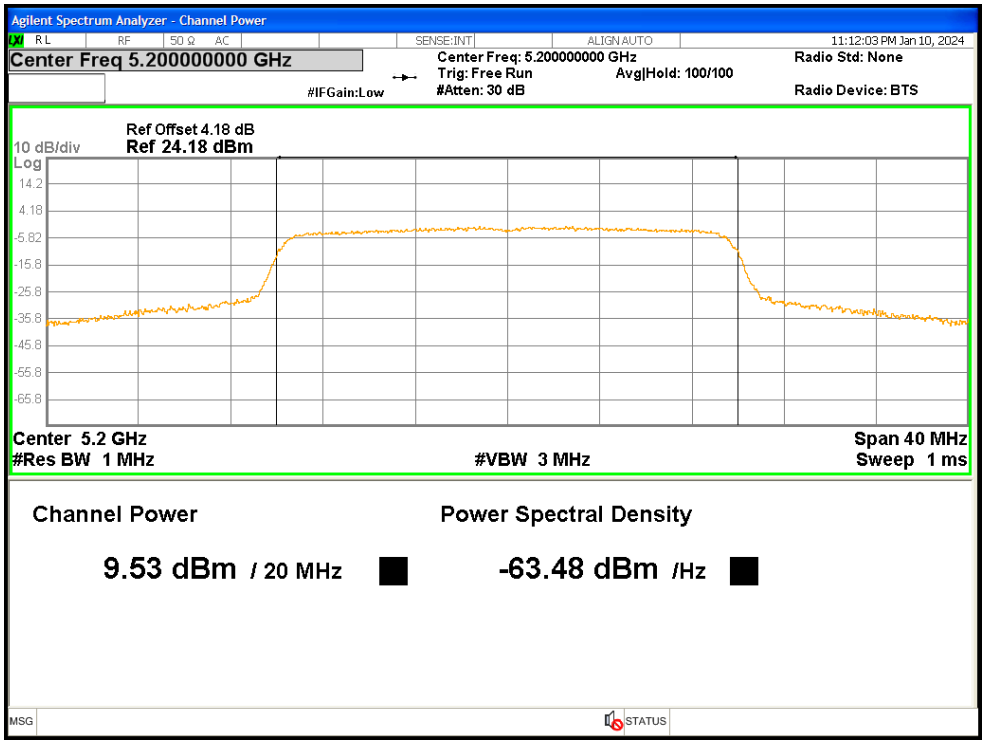
Power NVNT ax20 5180MHz Ant3



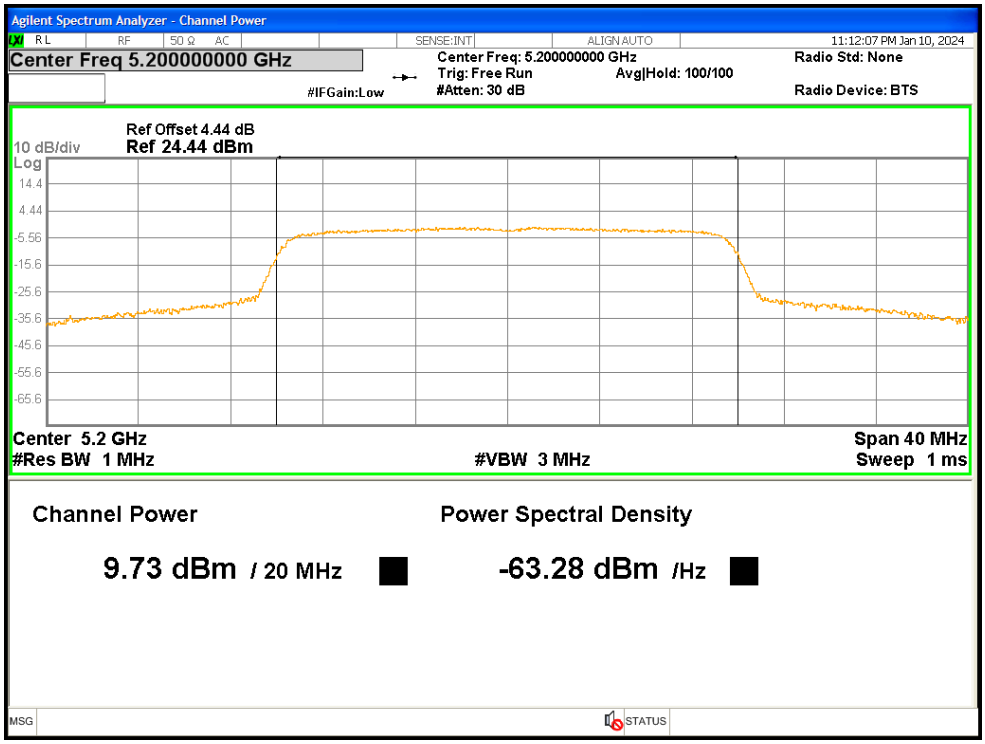
Power NVNT ax20 5200MHz Ant1



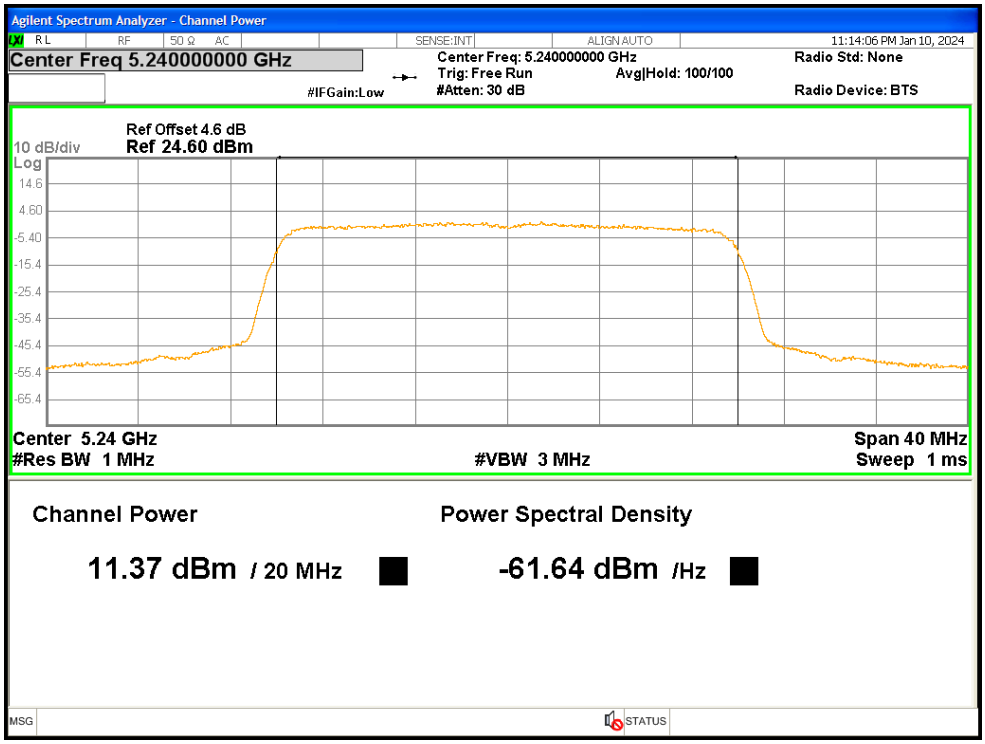
Power NVNT ax20 5200MHz Ant2



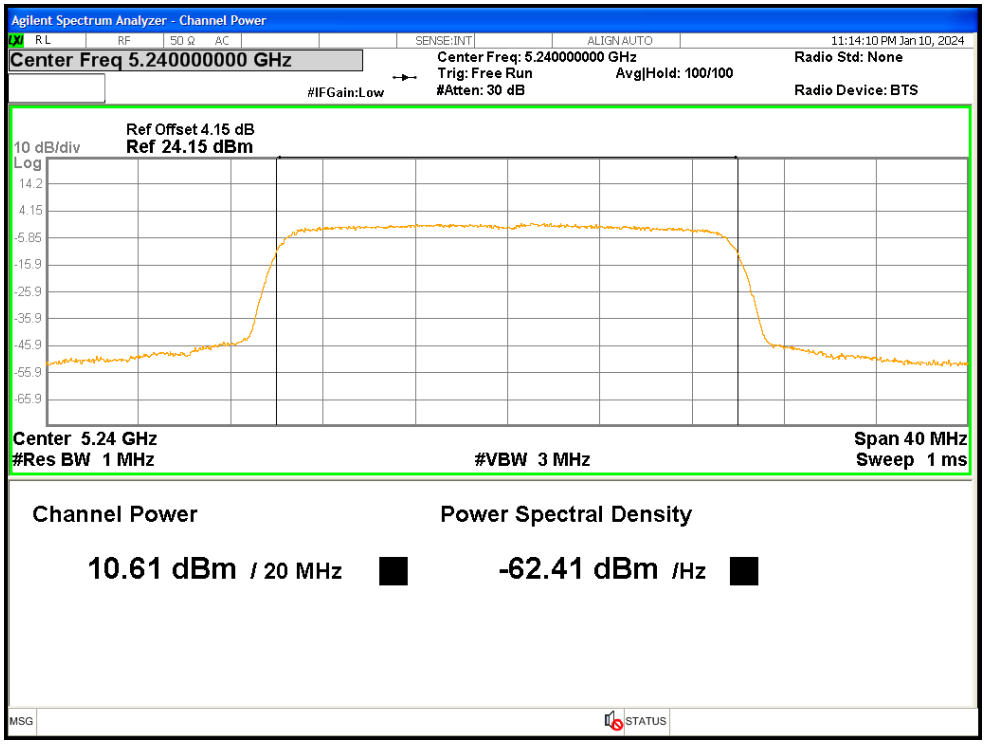
Power NVNT ax20 5200MHz Ant3



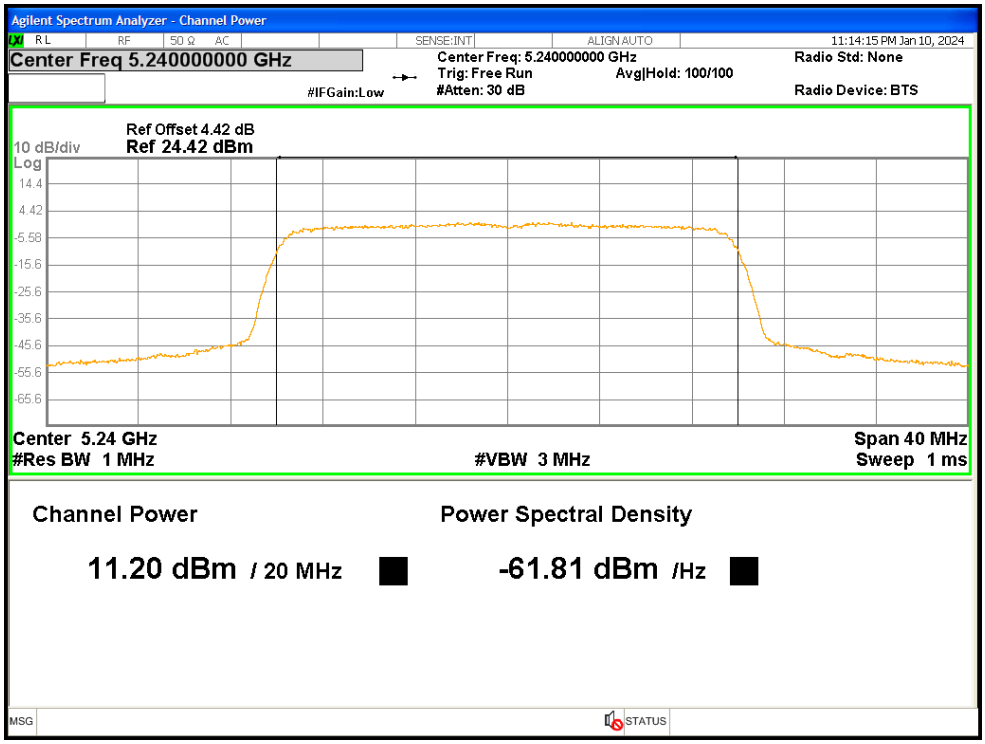
Power NVNT ax20 5240MHz Ant1



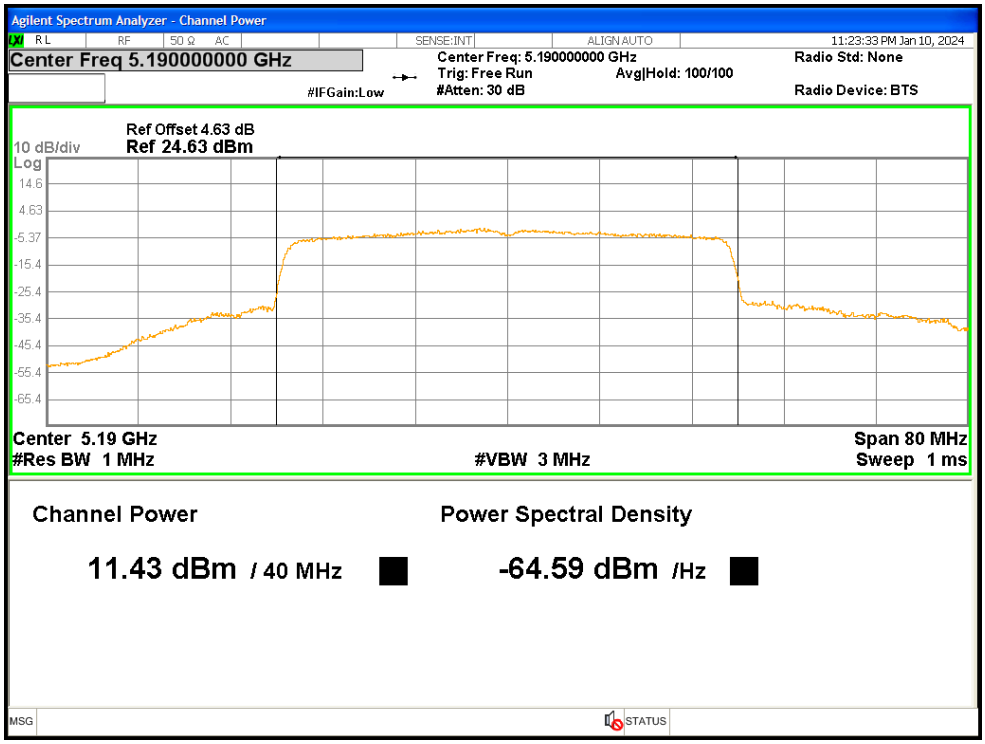
Power NVNT ax20 5240MHz Ant2



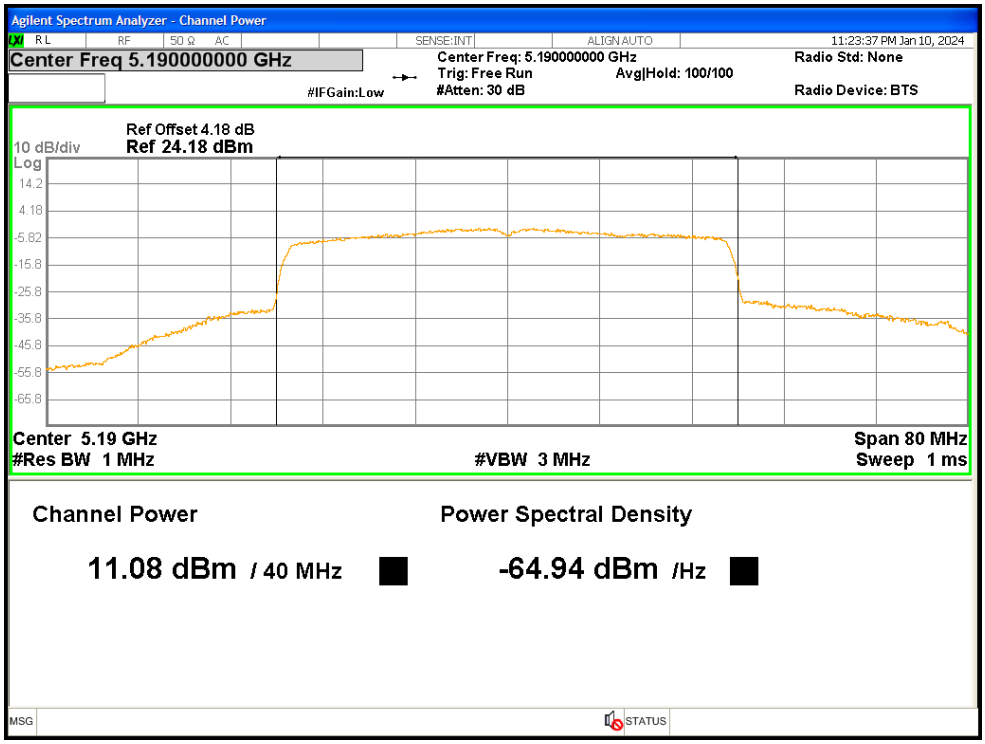
Power NVNT ax20 5240MHz Ant3



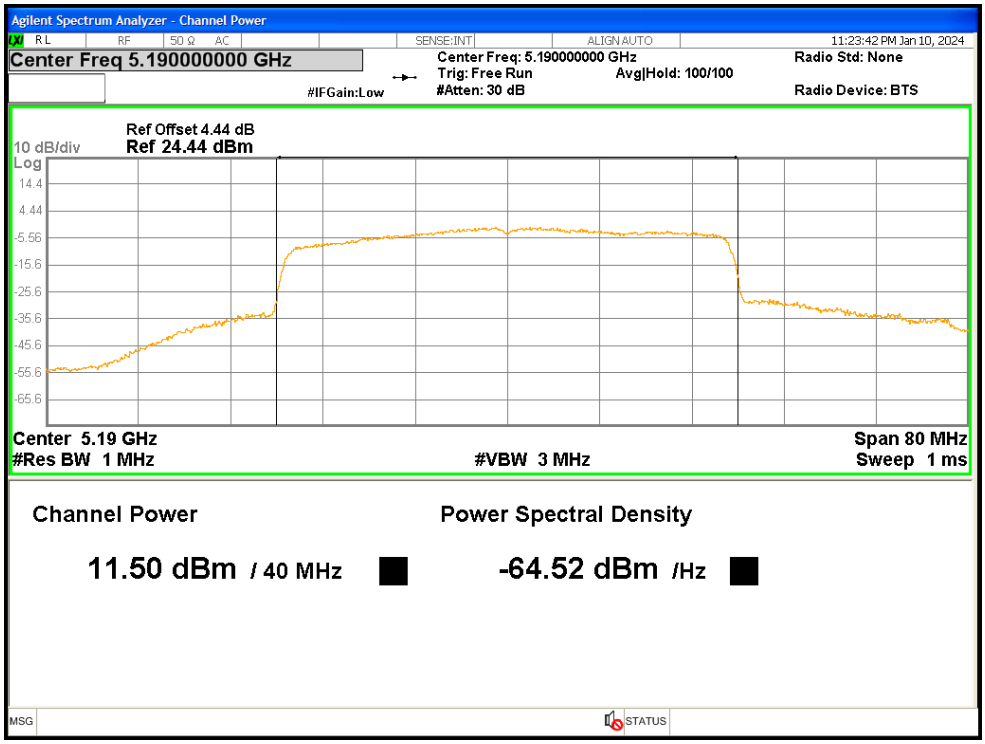
Power NVNT ax40 5190MHz Ant1



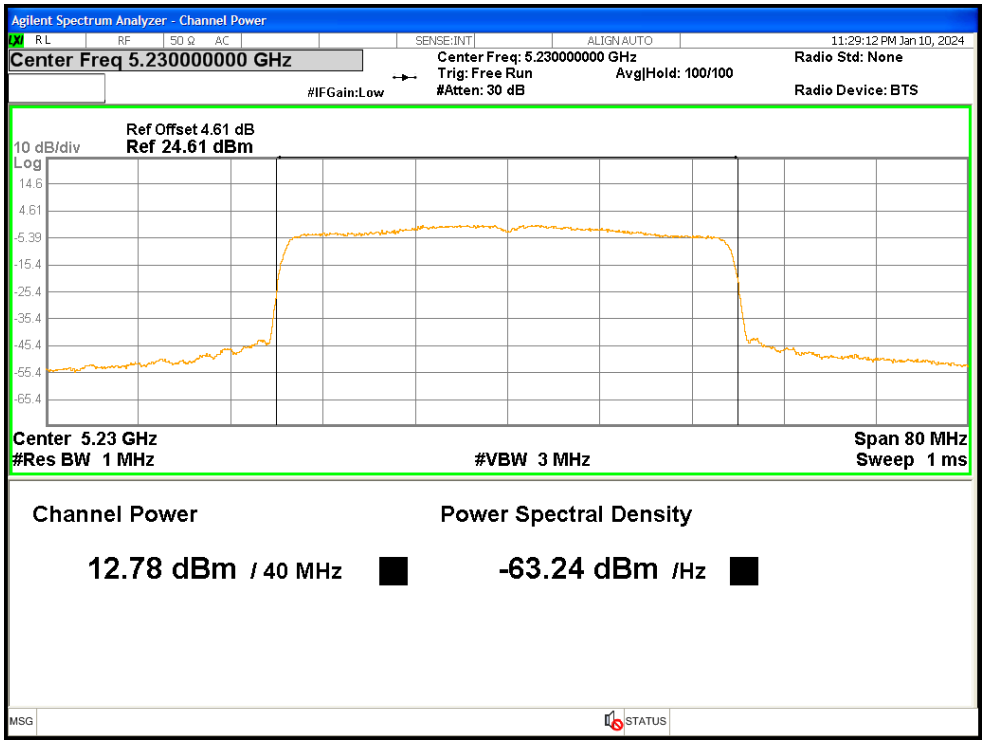
Power NVNT ax40 5190MHz Ant2



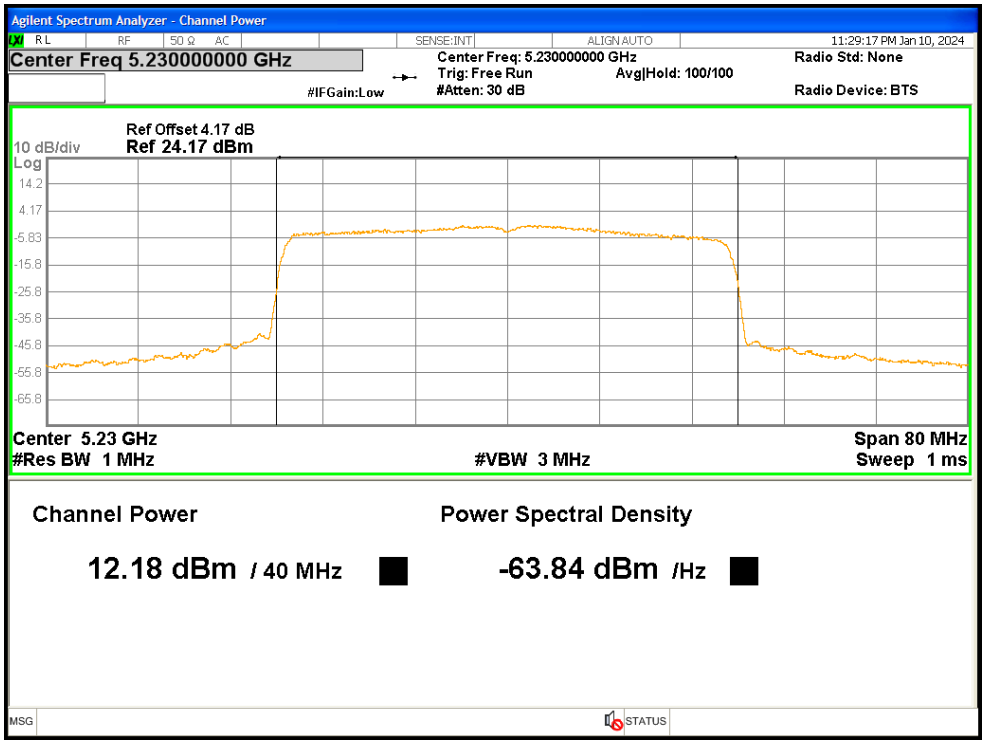
Power NVNT ax40 5190MHz Ant3



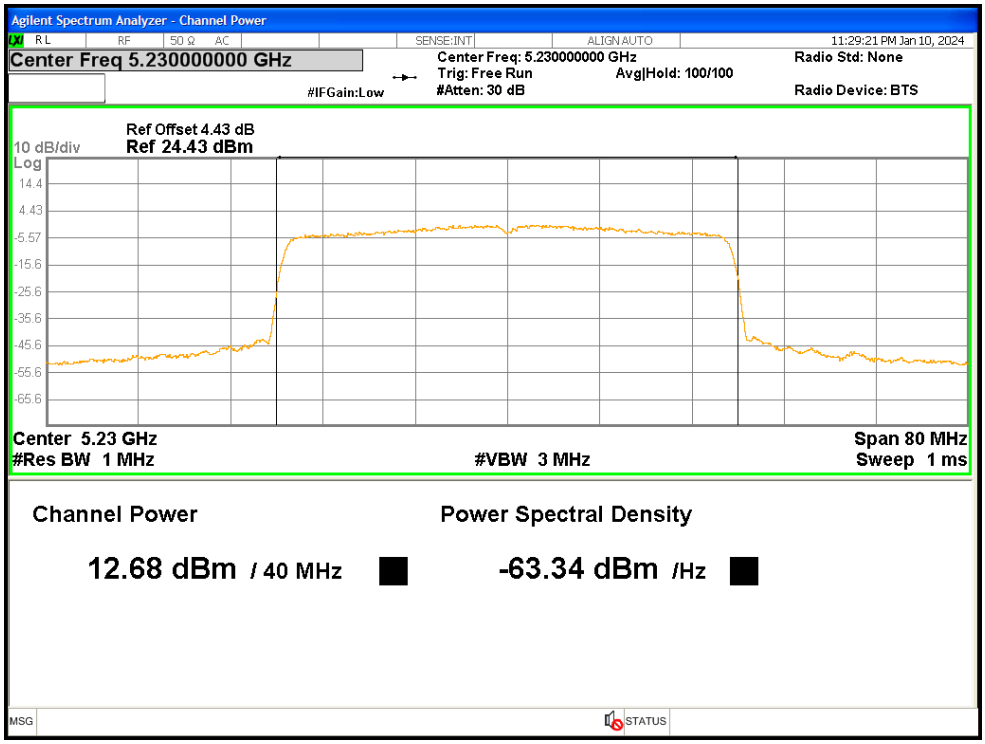
Power NVNT ax40 5230MHz Ant1



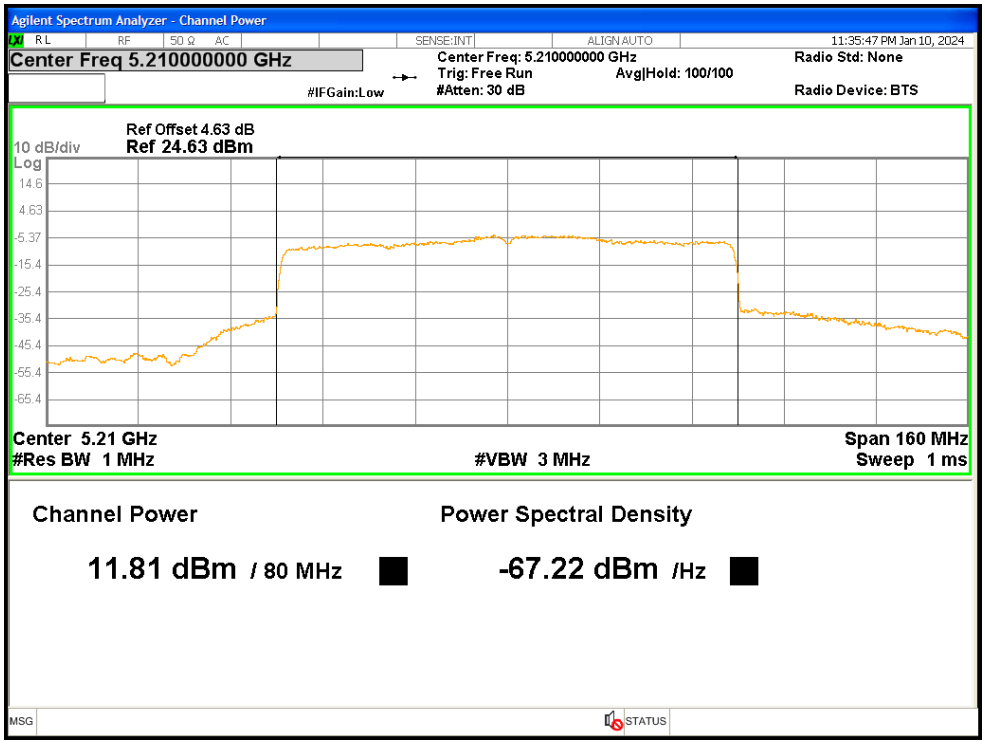
Power NVNT ax40 5230MHz Ant2



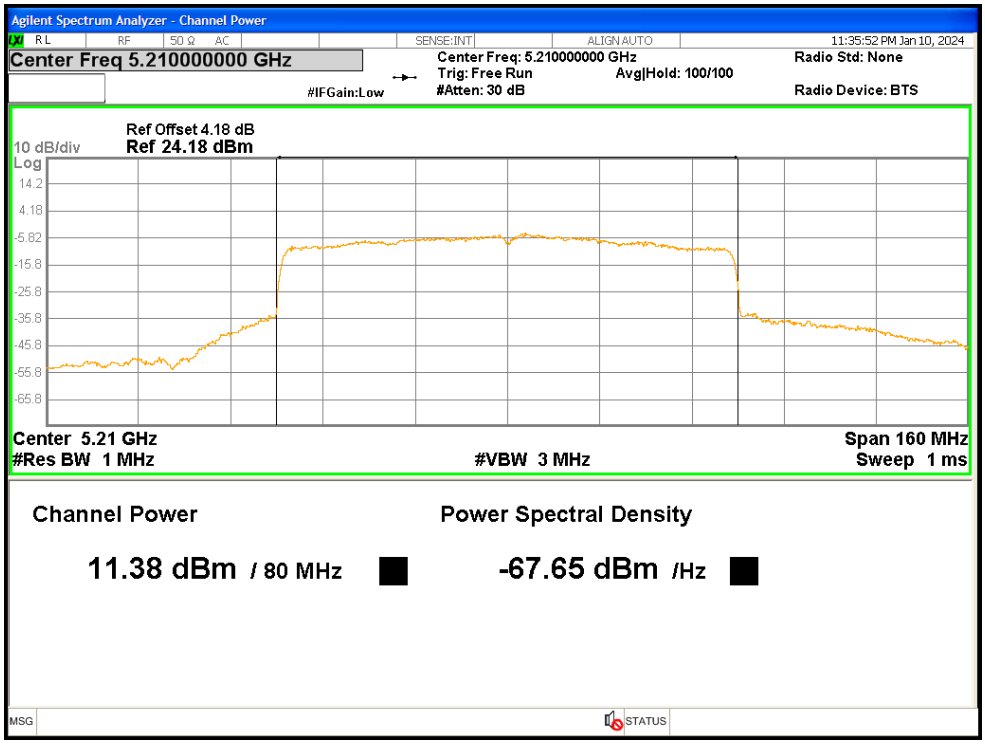
Power NVNT ax40 5230MHz Ant3



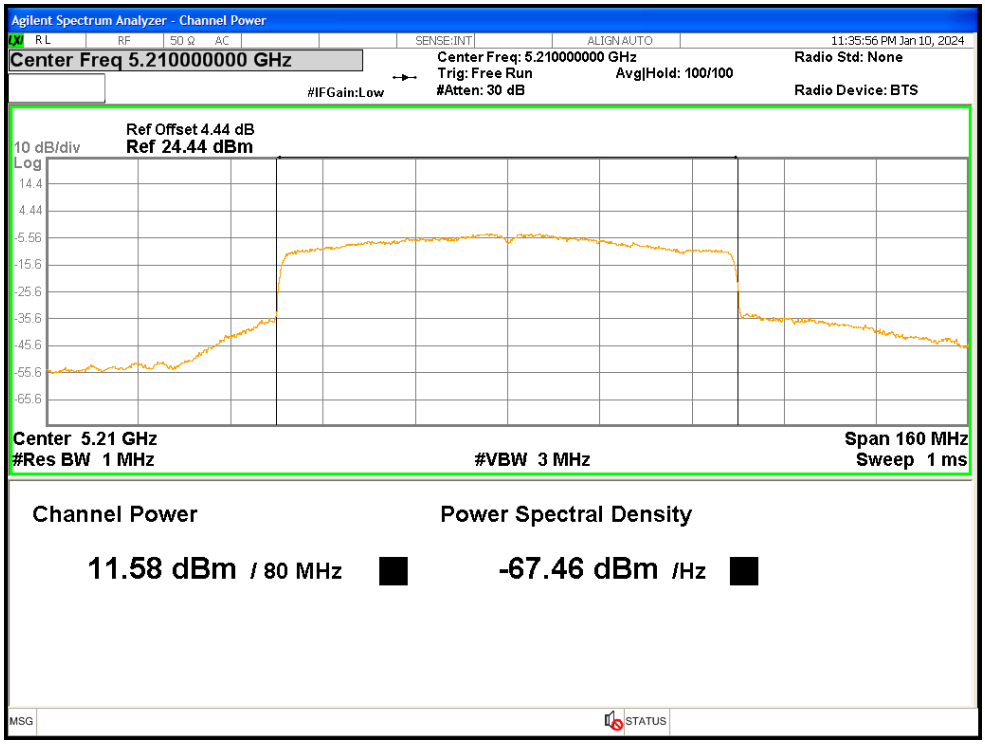
Power NVNT ax80 5210MHz Ant1



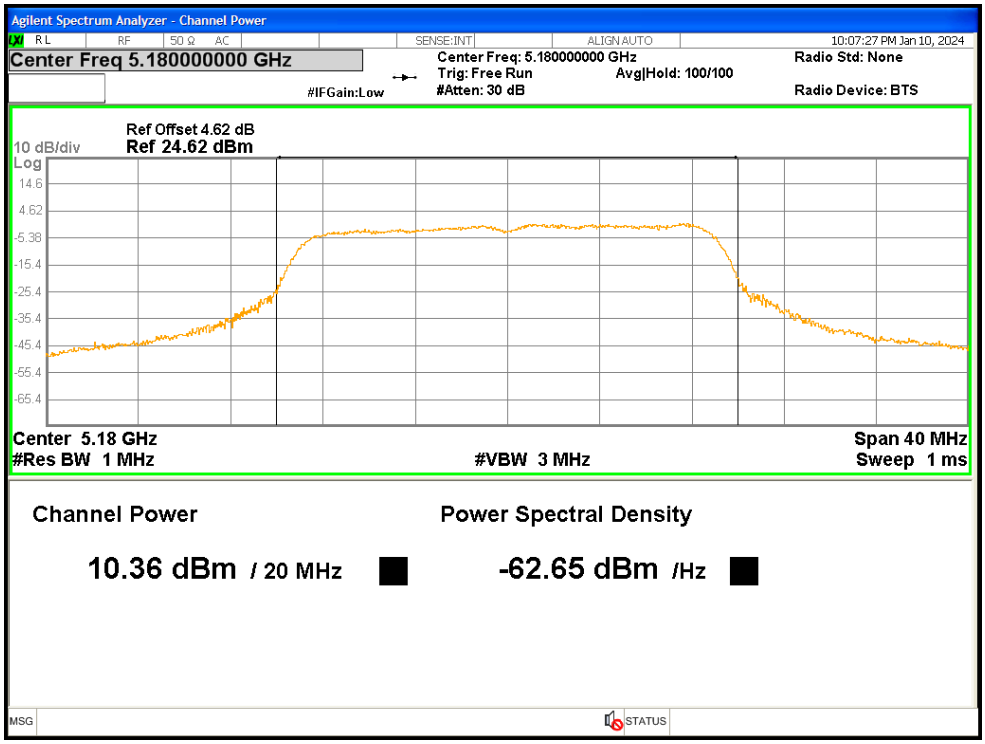
Power NVNT ax80 5210MHz Ant2



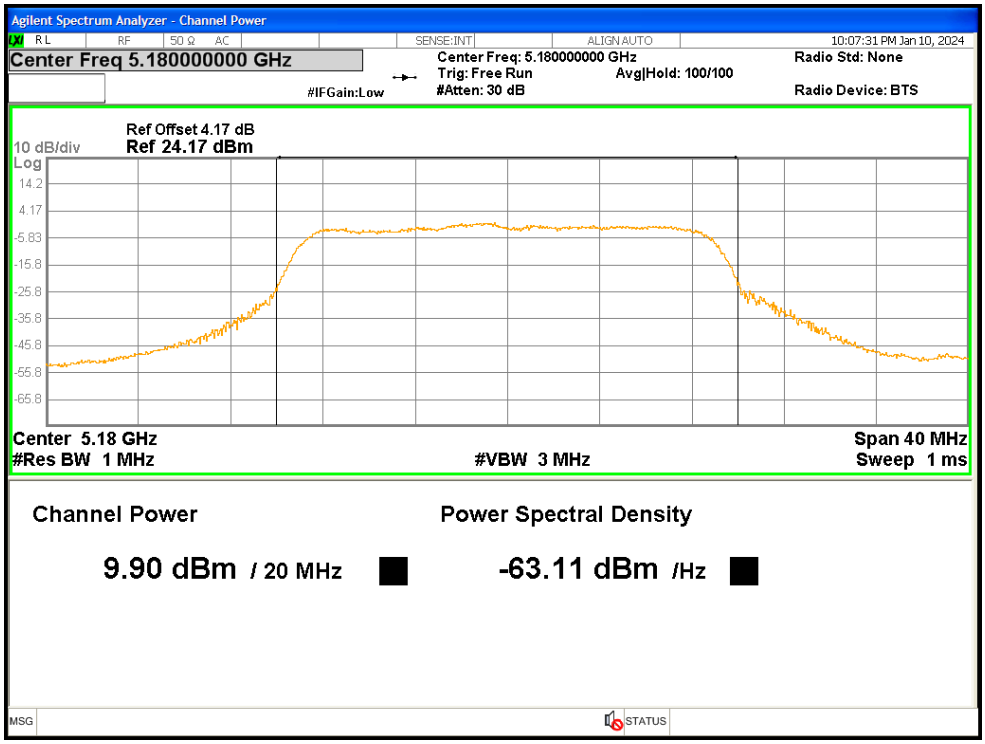
Power NVNT ax80 5210MHz Ant3



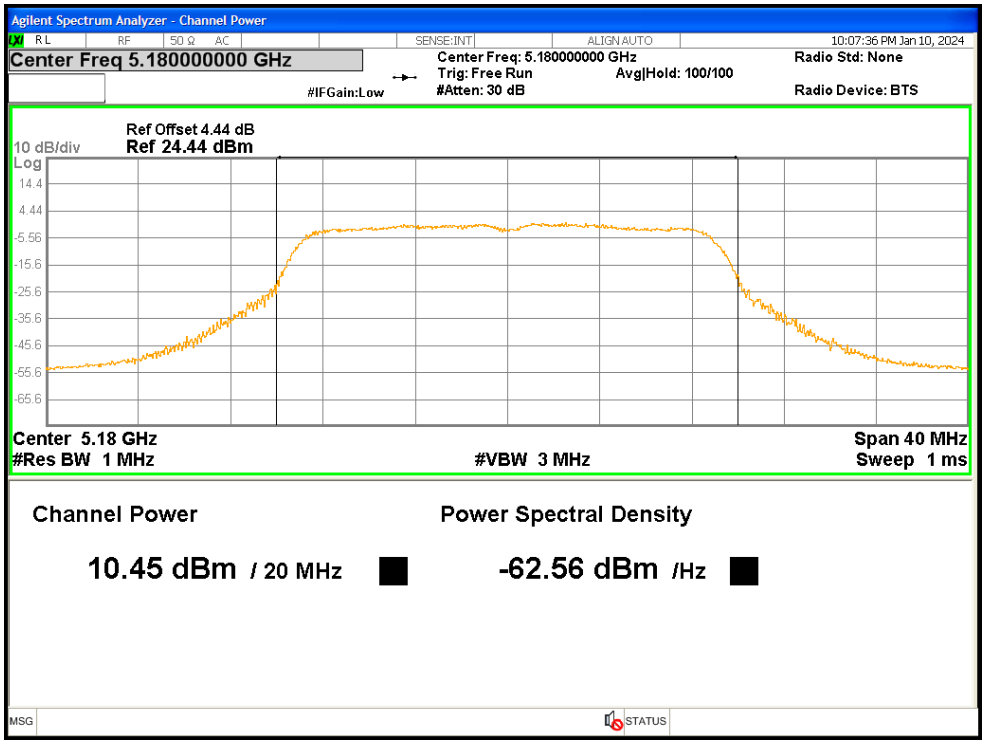
Power NVNT n20 5180MHz Ant1



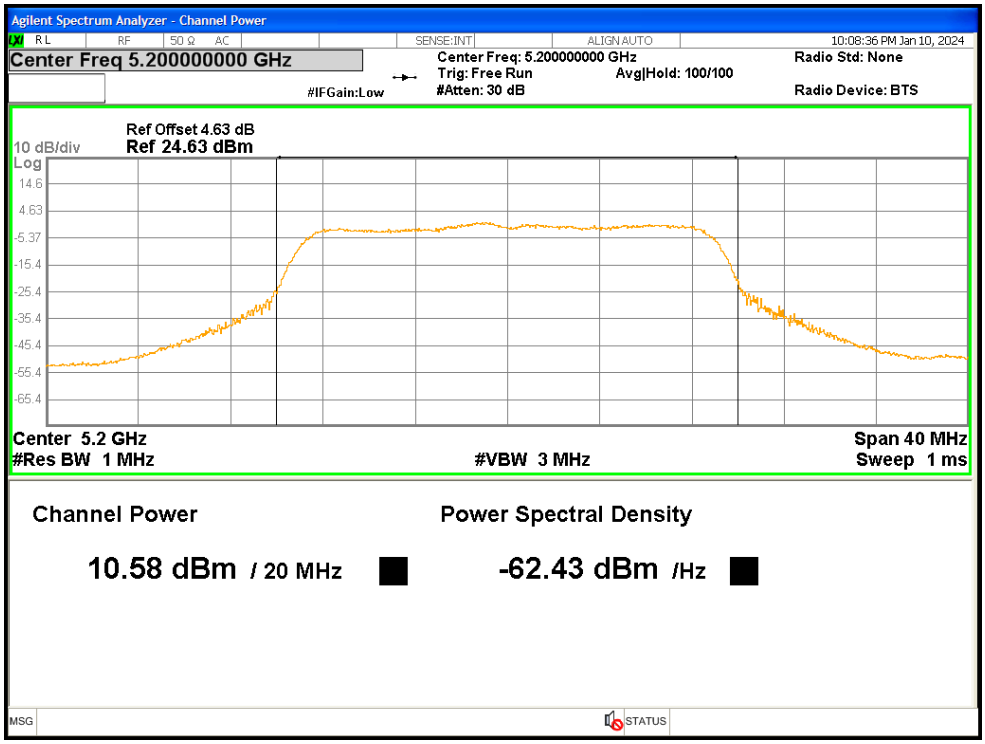
Power NVNT n20 5180MHz Ant2



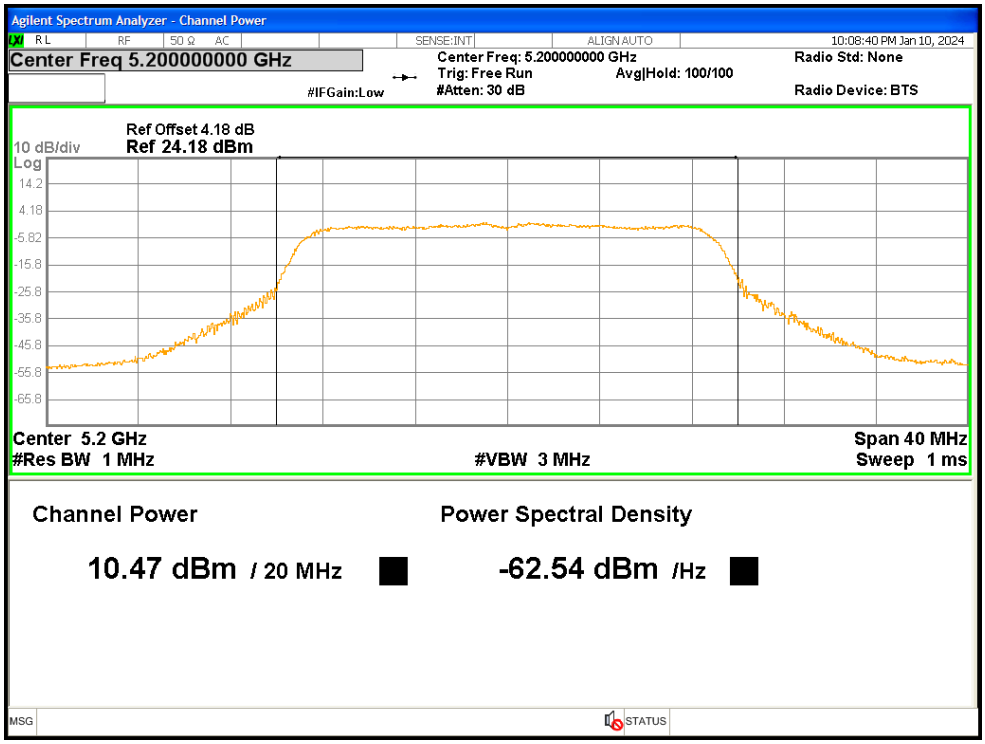
Power NVNT n20 5180MHz Ant3



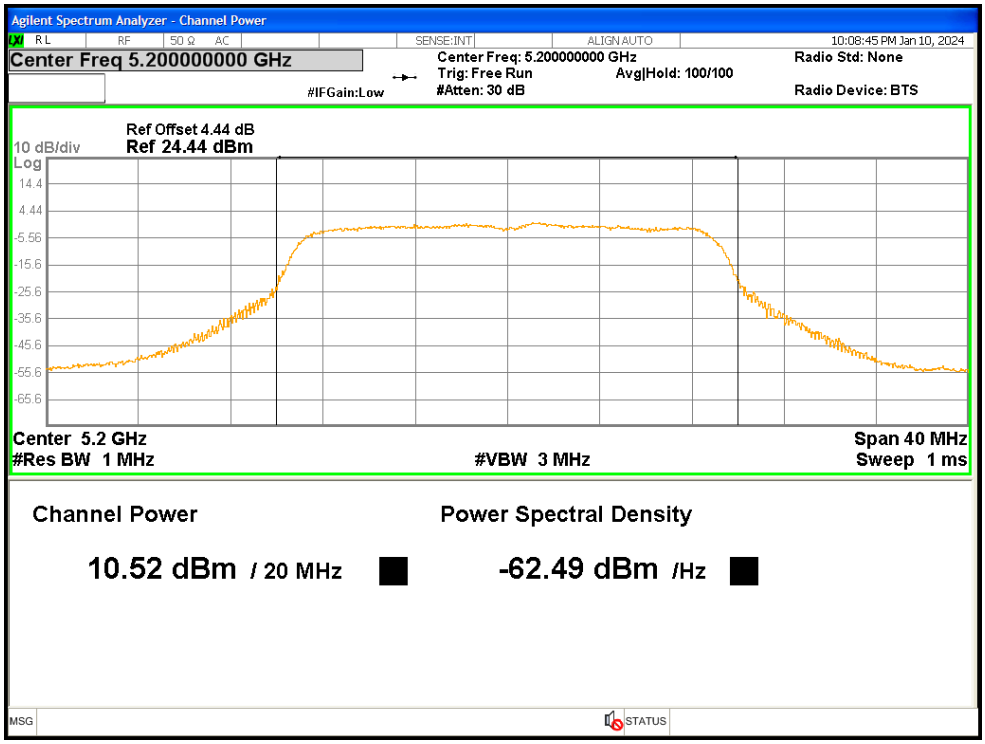
Power NVNT n20 5200MHz Ant1



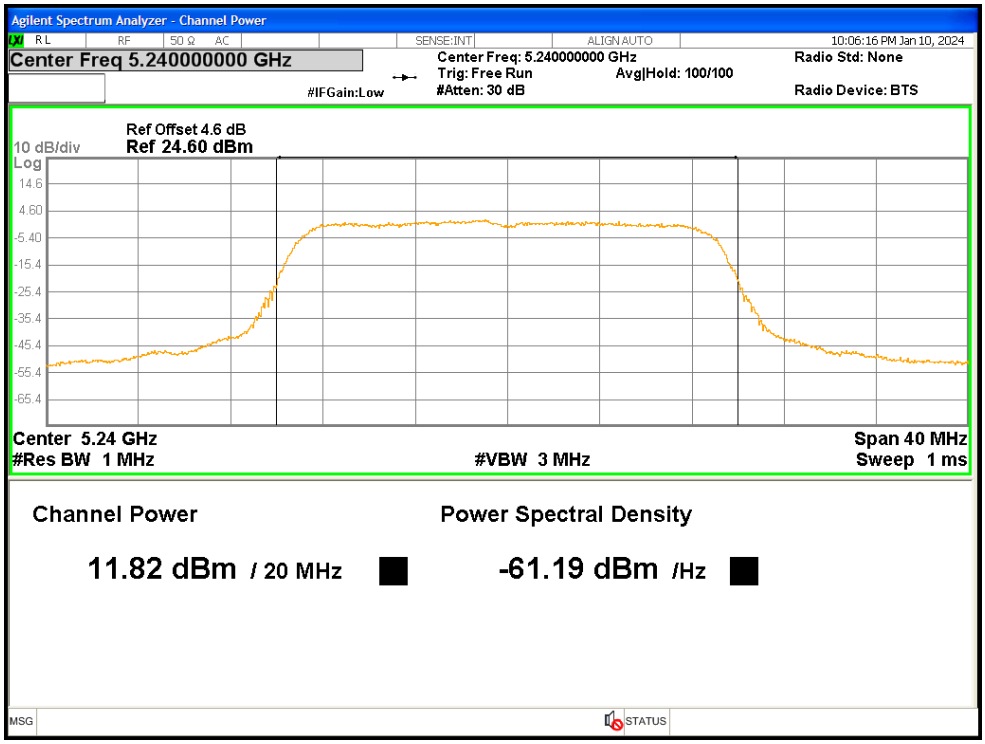
Power NVNT n20 5200MHz Ant2



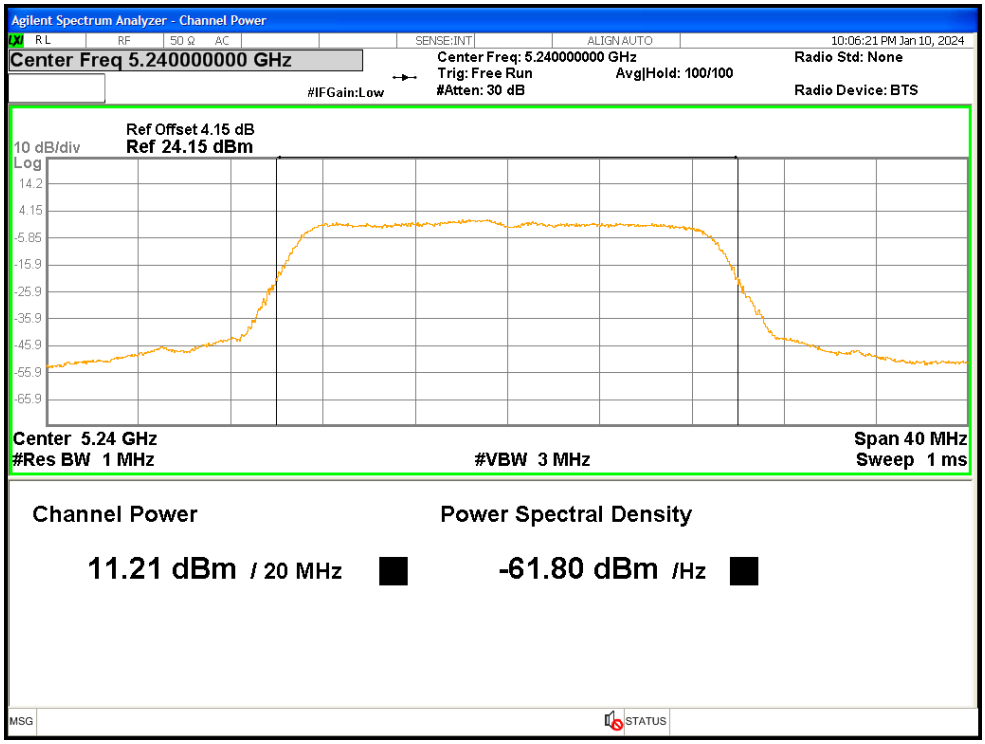
Power NVNT n20 5200MHz Ant3



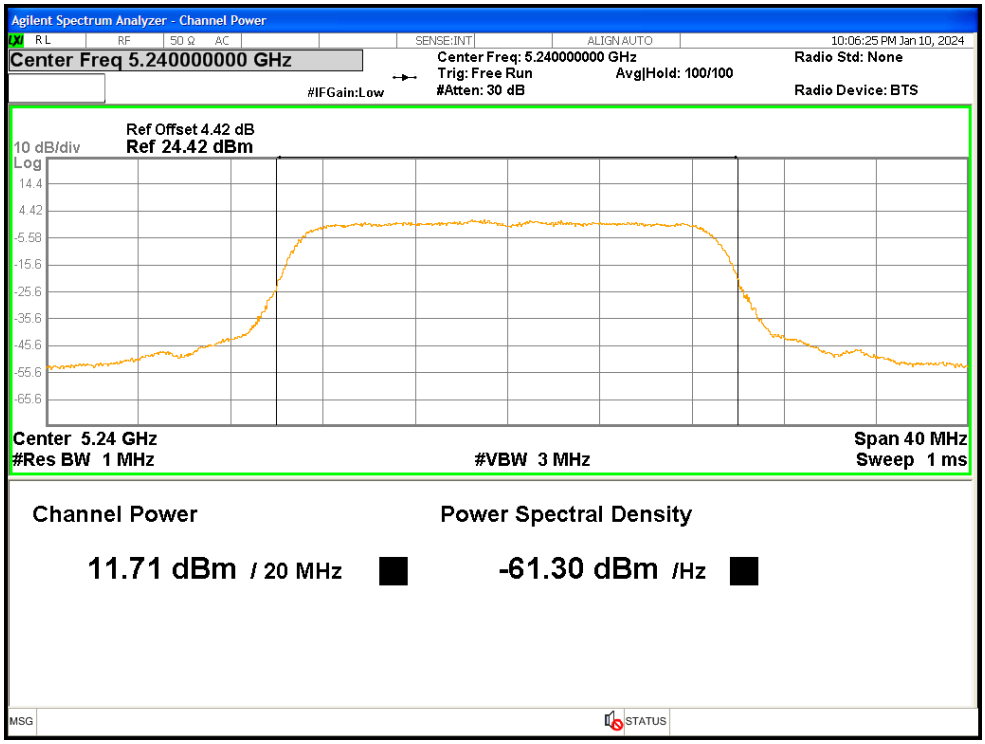
Power NVNT n20 5240MHz Ant1



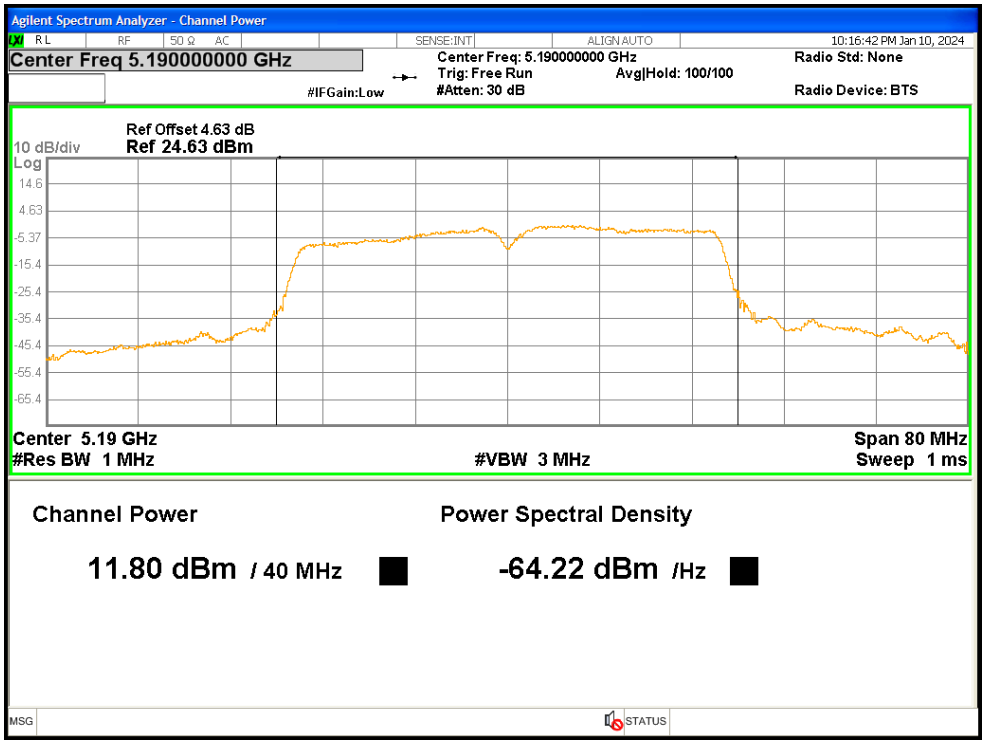
Power NVNT n20 5240MHz Ant2



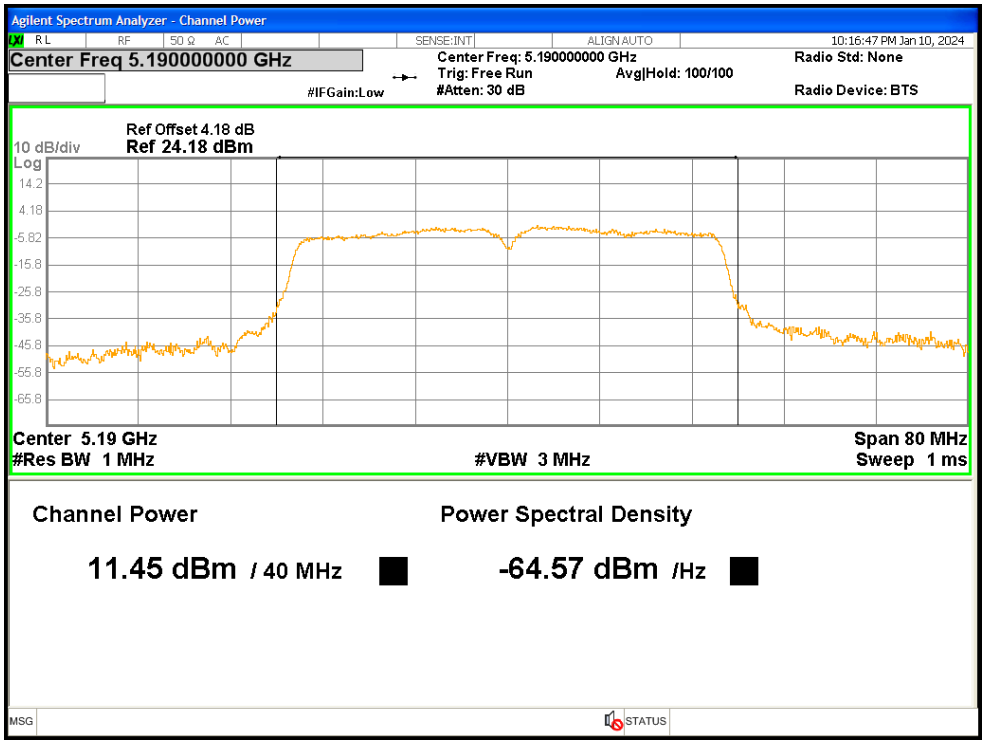
Power NVNT n20 5240MHz Ant3



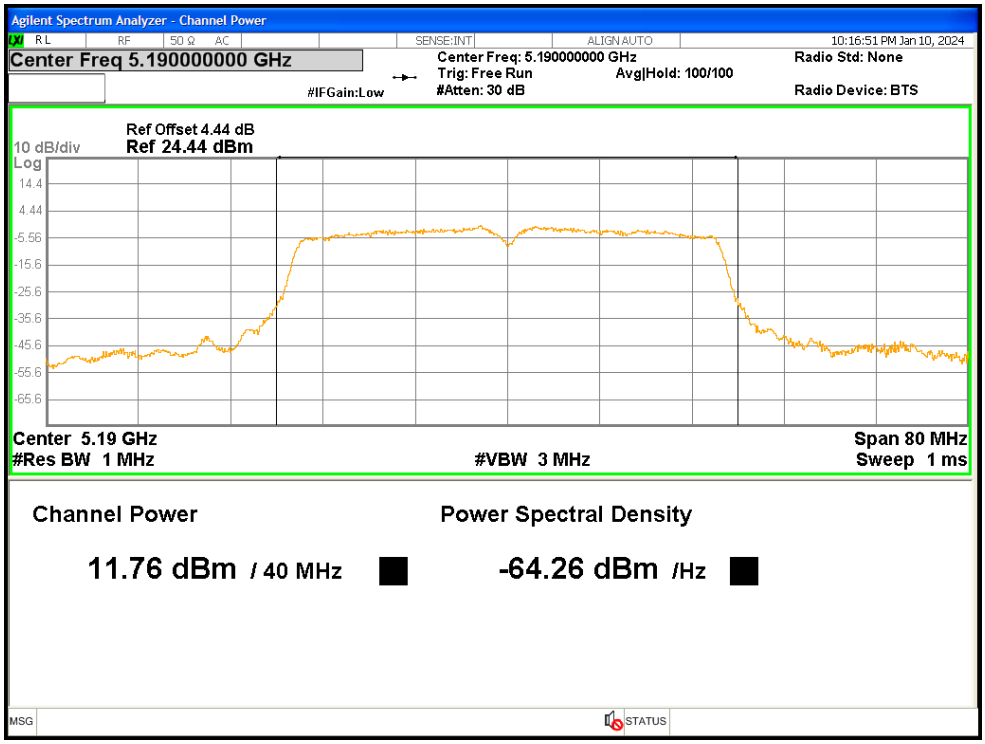
Power NVNT n40 5190MHz Ant1



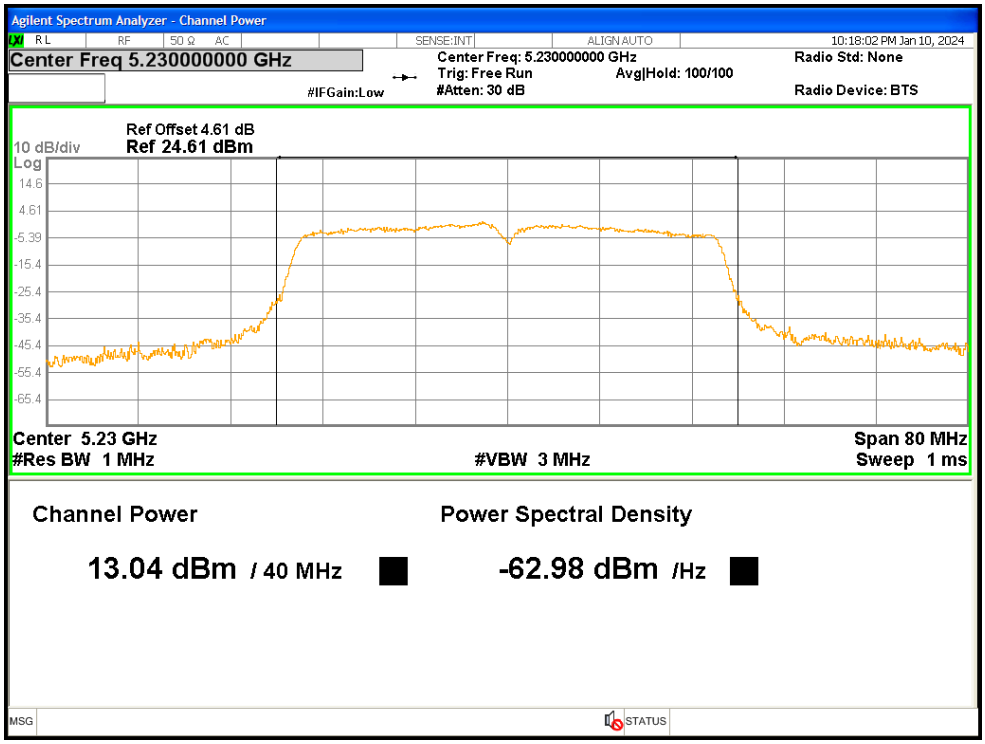
Power NVNT n40 5190MHz Ant2



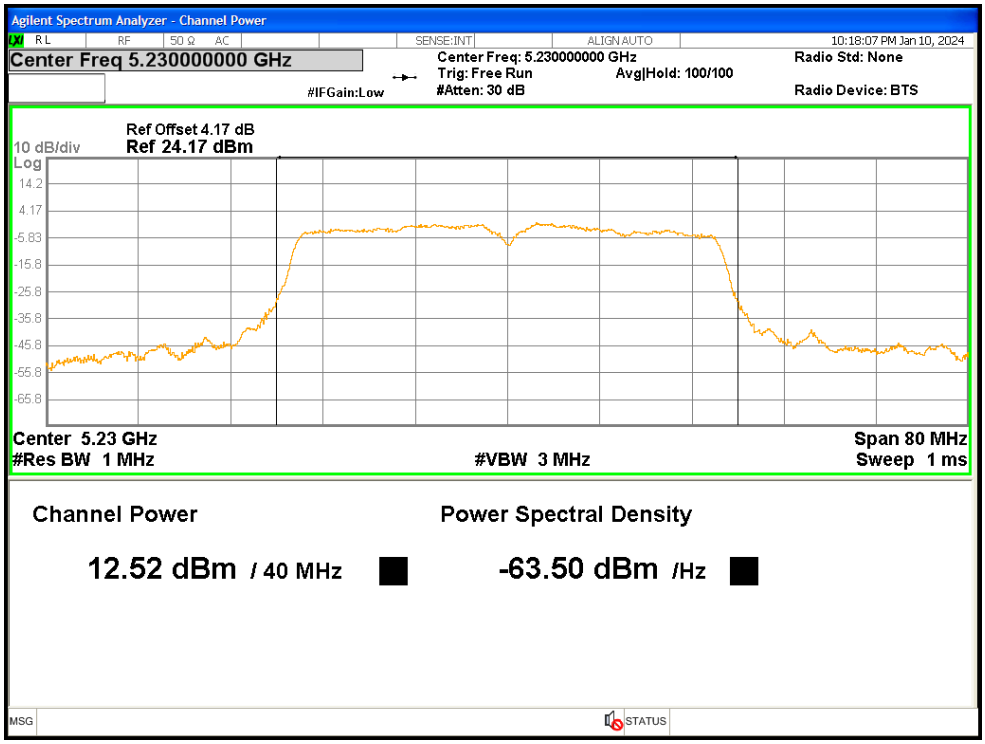
Power NVNT n40 5190MHz Ant3



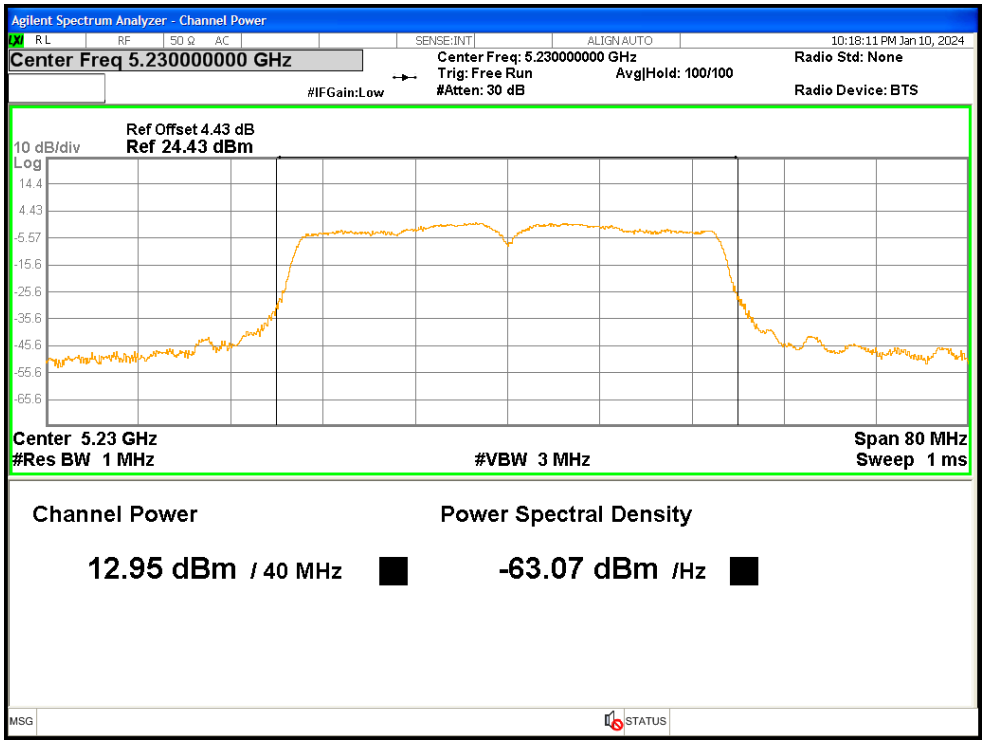
Power NVNT n40 5230MHz Ant1



Power NVNT n40 5230MHz Ant2



Power NVNT n40 5230MHz Ant3



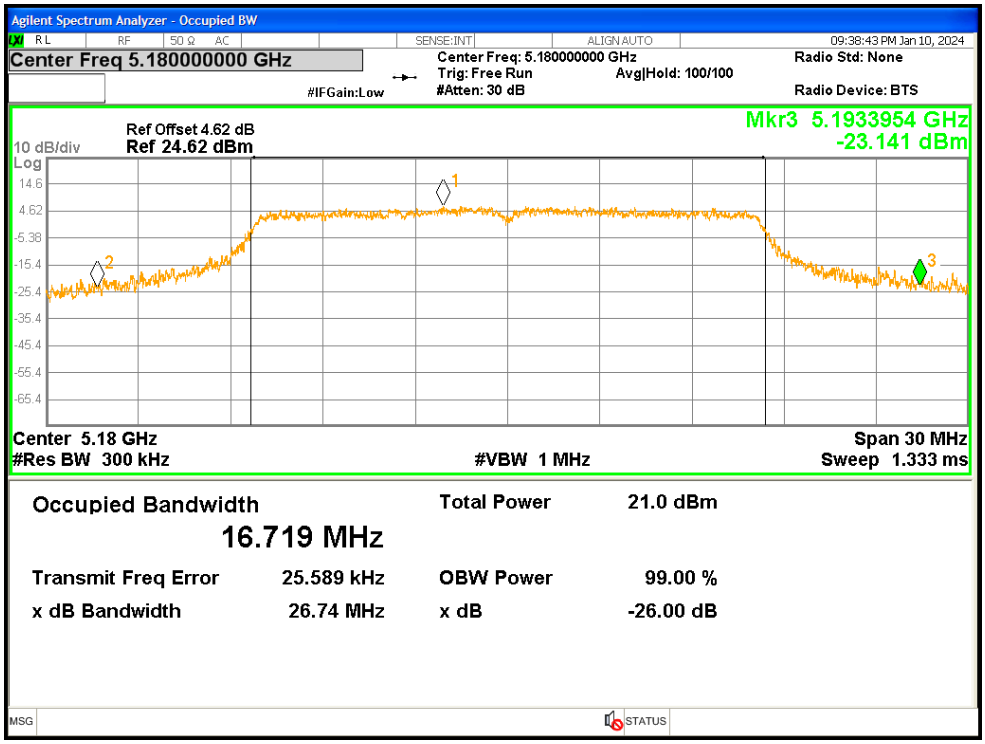
3. -26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	26.7396	Pass
NVNT	a	5200	Ant1	27.1326	Pass
NVNT	a	5240	Ant1	20.4147	Pass
NVNT	a	5180	Ant2	24.18	Pass
NVNT	a	5200	Ant2	26.0311	Pass
NVNT	a	5240	Ant2	20.2131	Pass
NVNT	a	5180	Ant3	25.1607	Pass
NVNT	a	5200	Ant3	26.8188	Pass
NVNT	a	5240	Ant3	20.1948	Pass
NVNT	ac160	5250	Ant1	167.3669	Pass
NVNT	ac160	5250	Ant2	167.9172	Pass
NVNT	ac160	5250	Ant3	164.2277	Pass
NVNT	ac20	5180	Ant1	25.9835	Pass
NVNT	ac20	5180	Ant2	26.5388	Pass
NVNT	ac20	5180	Ant3	27.7491	Pass
NVNT	ac20	5200	Ant1	27.8202	Pass
NVNT	ac20	5200	Ant2	29.2881	Pass
NVNT	ac20	5200	Ant3	26.7269	Pass
NVNT	ac20	5240	Ant1	20.5431	Pass
NVNT	ac20	5240	Ant2	20.4642	Pass
NVNT	ac20	5240	Ant3	20.2819	Pass
NVNT	ac40	5190	Ant1	47.4522	Pass
NVNT	ac40	5190	Ant2	46.454	Pass
NVNT	ac40	5190	Ant3	46.1526	Pass
NVNT	ac40	5230	Ant1	40.1696	Pass
NVNT	ac40	5230	Ant2	39.6628	Pass
NVNT	ac40	5230	Ant3	39.4817	Pass
NVNT	ac80	5210	Ant1	98.058	Pass
NVNT	ac80	5210	Ant2	88.1565	Pass
NVNT	ac80	5210	Ant3	83.7652	Pass
NVNT	ax160	5250	Ant1	159.1296	Pass
NVNT	ax160	5250	Ant2	163.8574	Pass
NVNT	ax160	5250	Ant3	158.8667	Pass
NVNT	ax20	5180	Ant1	25.9714	Pass
NVNT	ax20	5180	Ant2	25.8731	Pass
NVNT	ax20	5180	Ant3	25.4402	Pass
NVNT	ax20	5200	Ant1	25.9469	Pass
NVNT	ax20	5200	Ant2	27.0016	Pass
NVNT	ax20	5200	Ant3	26.4994	Pass
NVNT	ax20	5240	Ant1	19.9285	Pass
NVNT	ax20	5240	Ant2	19.93	Pass

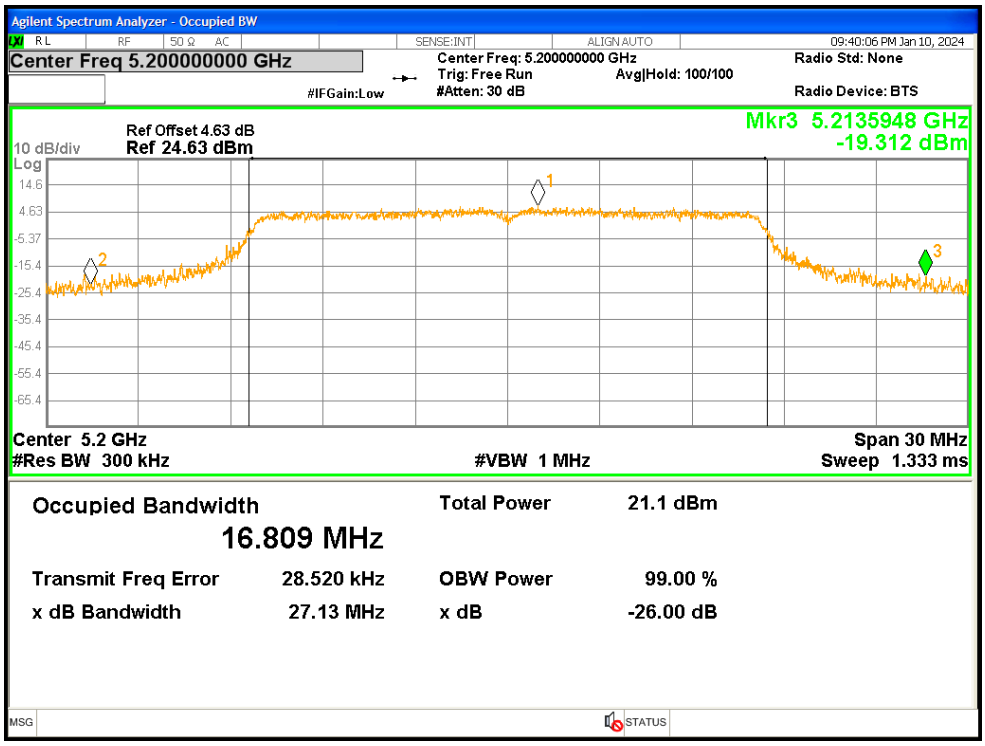
NVNT	ax20	5240	Ant3	19.9385	Pass
NVNT	ax40	5190	Ant1	46.4041	Pass
NVNT	ax40	5190	Ant2	46.7187	Pass
NVNT	ax40	5190	Ant3	42.5703	Pass
NVNT	ax40	5230	Ant1	39.0814	Pass
NVNT	ax40	5230	Ant2	39.29	Pass
NVNT	ax40	5230	Ant3	39.3899	Pass
NVNT	ax80	5210	Ant1	79.1371	Pass
NVNT	ax80	5210	Ant2	79.3043	Pass
NVNT	ax80	5210	Ant3	78.854	Pass
NVNT	n20	5180	Ant1	21.2394	Pass
NVNT	n20	5180	Ant2	21.147	Pass
NVNT	n20	5180	Ant3	20.5804	Pass
NVNT	n20	5200	Ant1	21.0432	Pass
NVNT	n20	5200	Ant2	21.055	Pass
NVNT	n20	5200	Ant3	21.0586	Pass
NVNT	n20	5240	Ant1	20.23	Pass
NVNT	n20	5240	Ant2	20.5469	Pass
NVNT	n20	5240	Ant3	20.2026	Pass
NVNT	n40	5190	Ant1	40.2948	Pass
NVNT	n40	5190	Ant2	39.3028	Pass
NVNT	n40	5190	Ant3	39.467	Pass
NVNT	n40	5230	Ant1	39.9664	Pass
NVNT	n40	5230	Ant2	39.5904	Pass
NVNT	n40	5230	Ant3	39.0281	Pass

Test Graphs

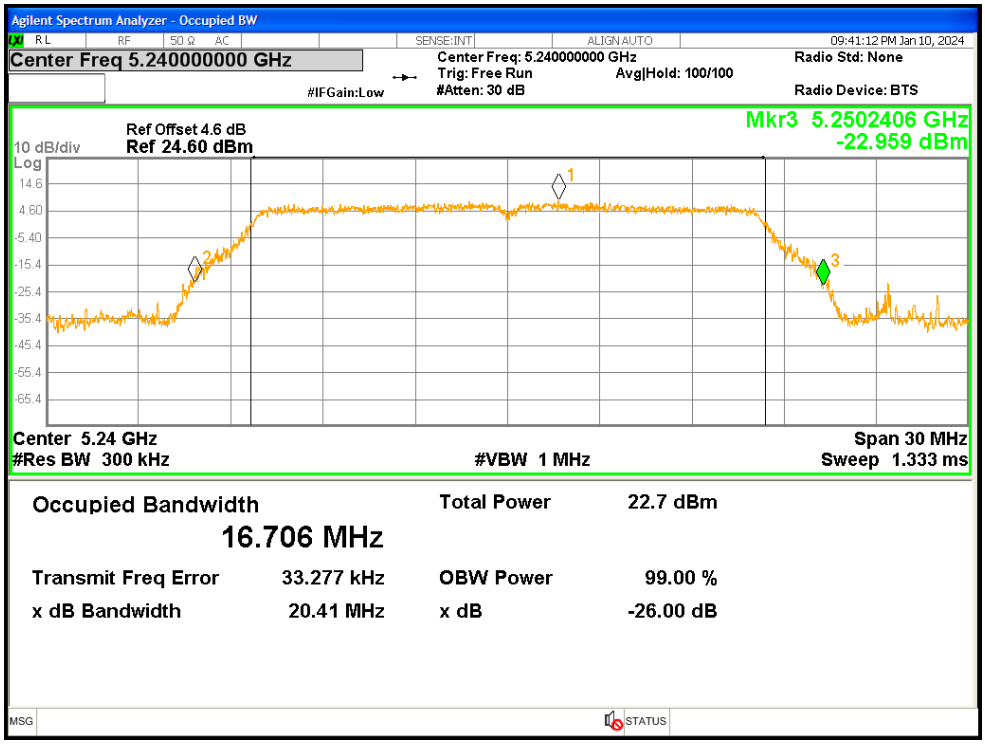
-26dB Bandwidth NVNT a 5180MHz Ant1



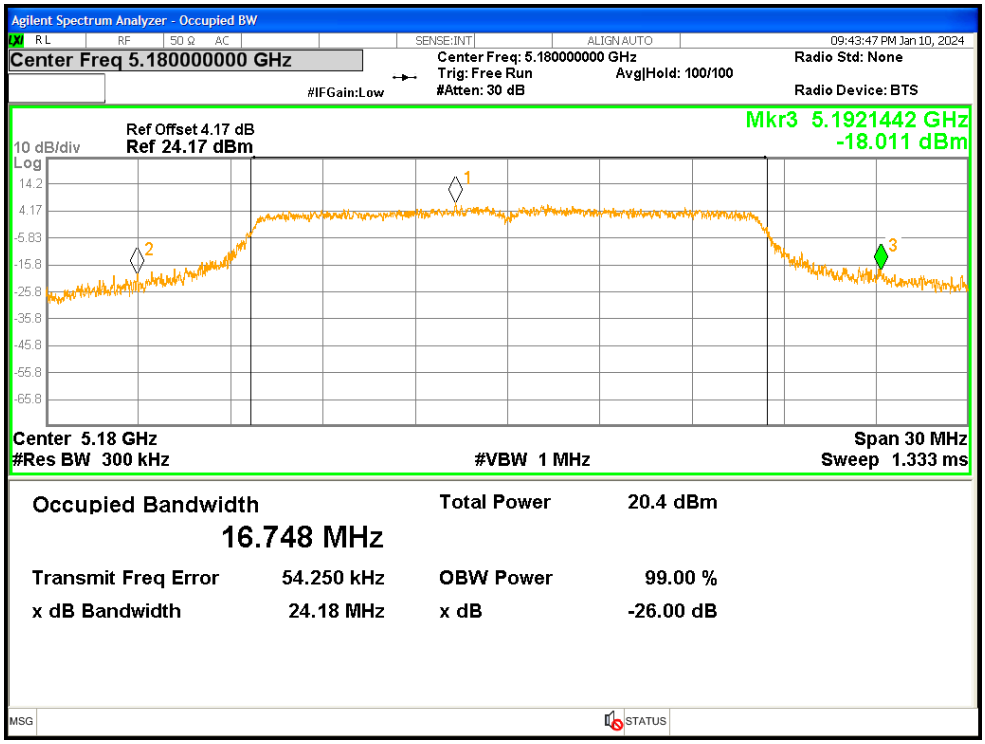
-26dB Bandwidth NVNT a 5200MHz Ant1



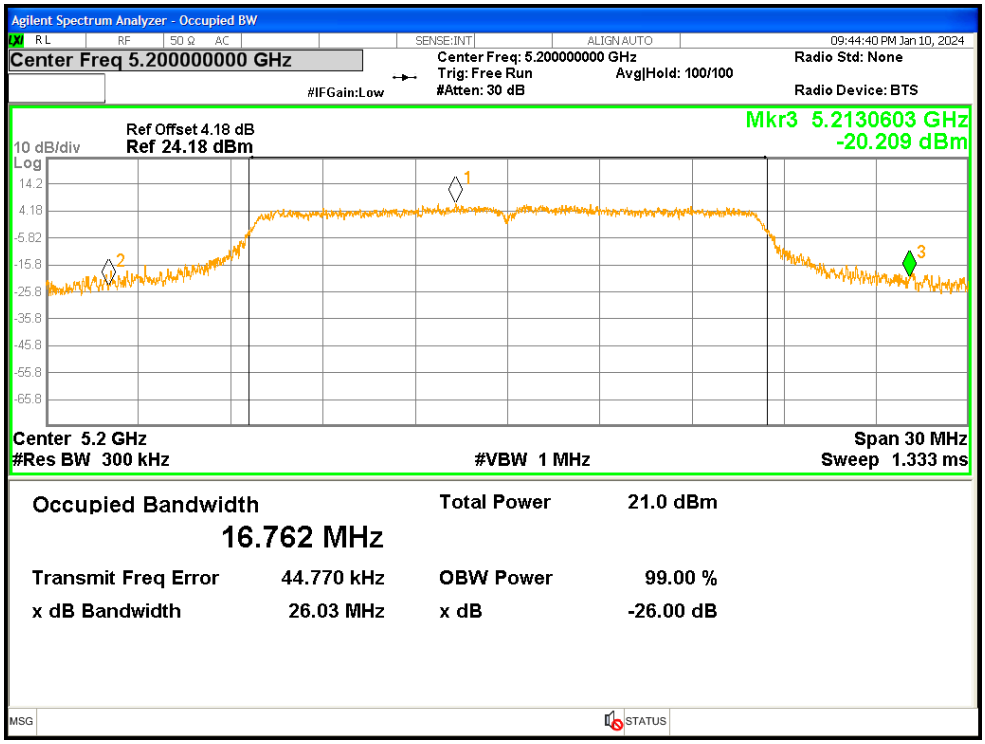
-26dB Bandwidth NVNT a 5240MHz Ant1



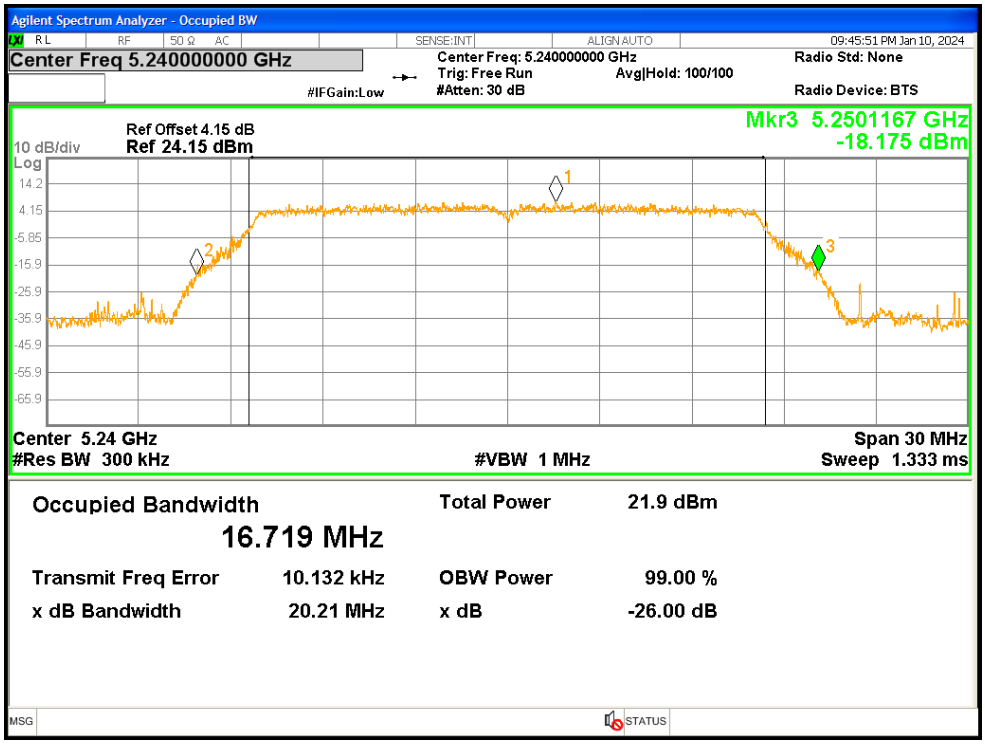
-26dB Bandwidth NVNT a 5180MHz Ant2



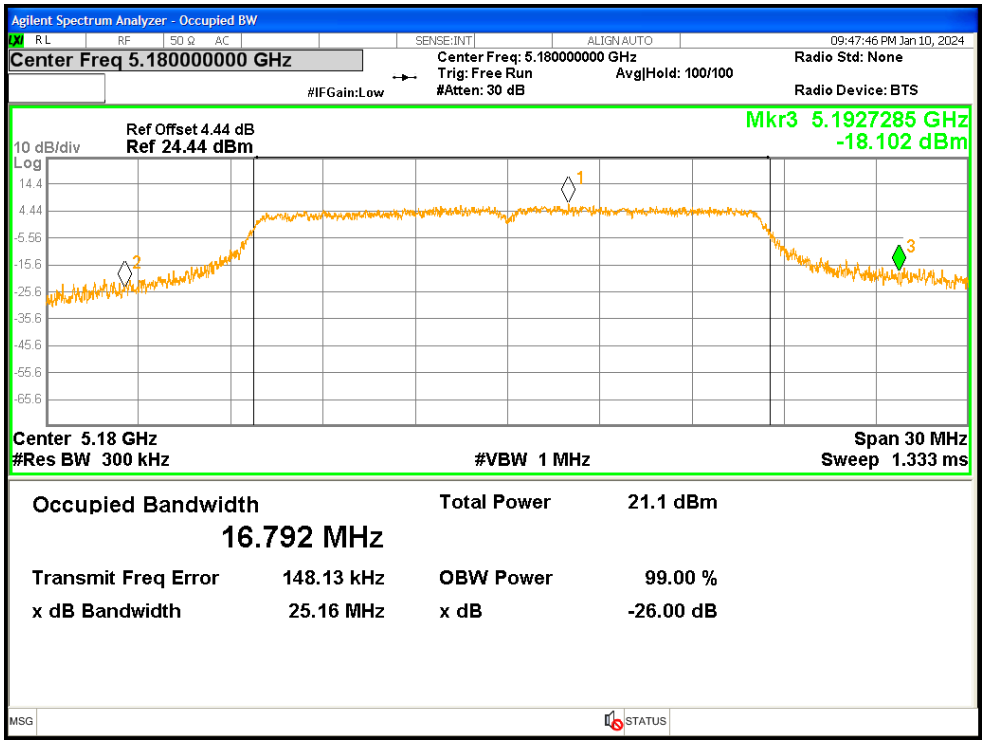
-26dB Bandwidth NVNT a 5200MHz Ant2



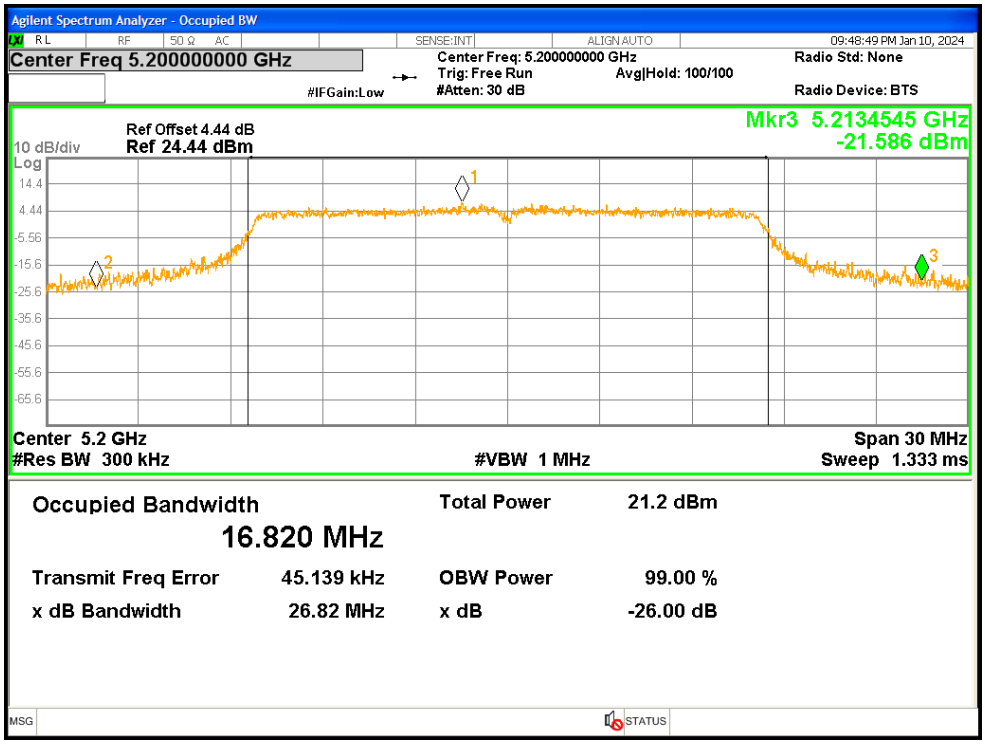
-26dB Bandwidth NVNT a 5240MHz Ant2



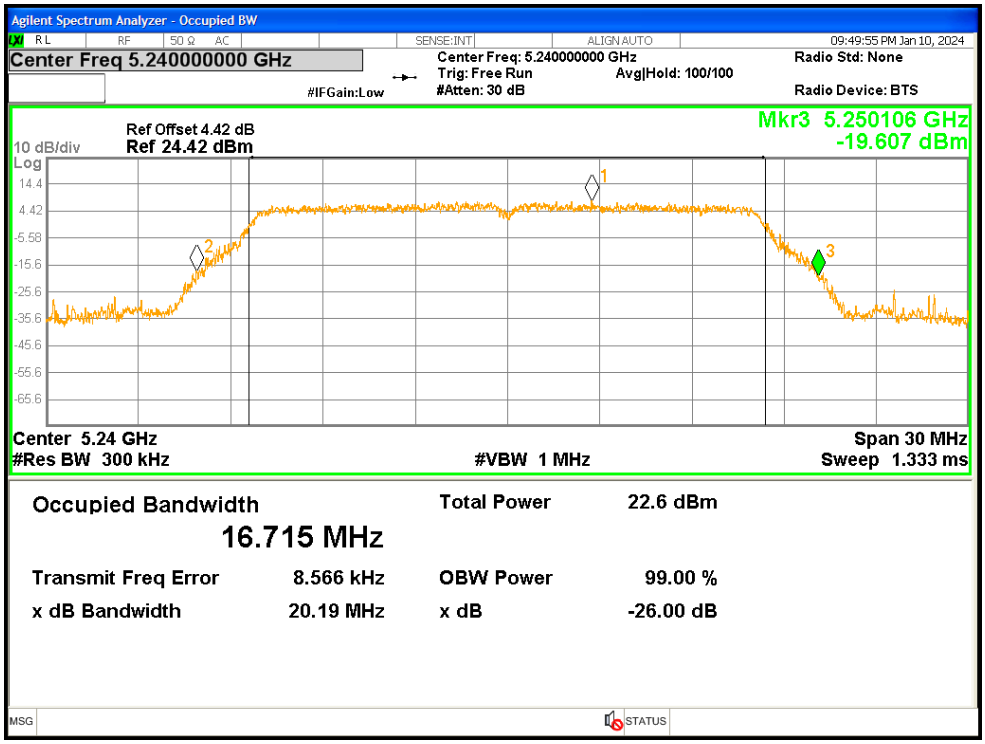
-26dB Bandwidth NVNT a 5180MHz Ant3



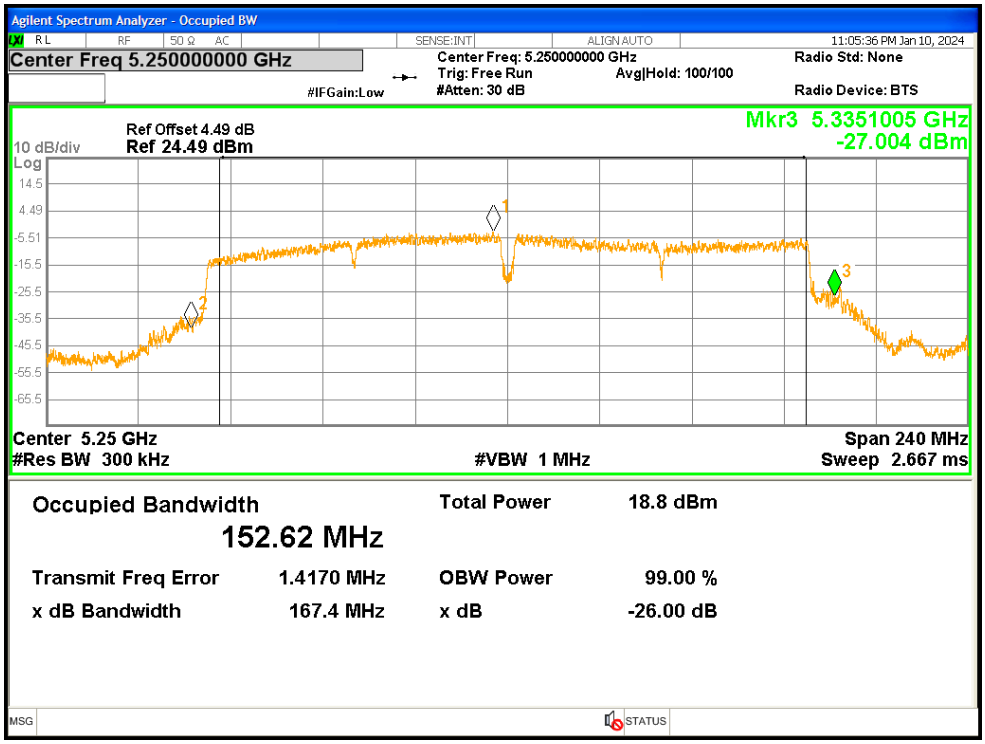
-26dB Bandwidth NVNT a 5200MHz Ant3



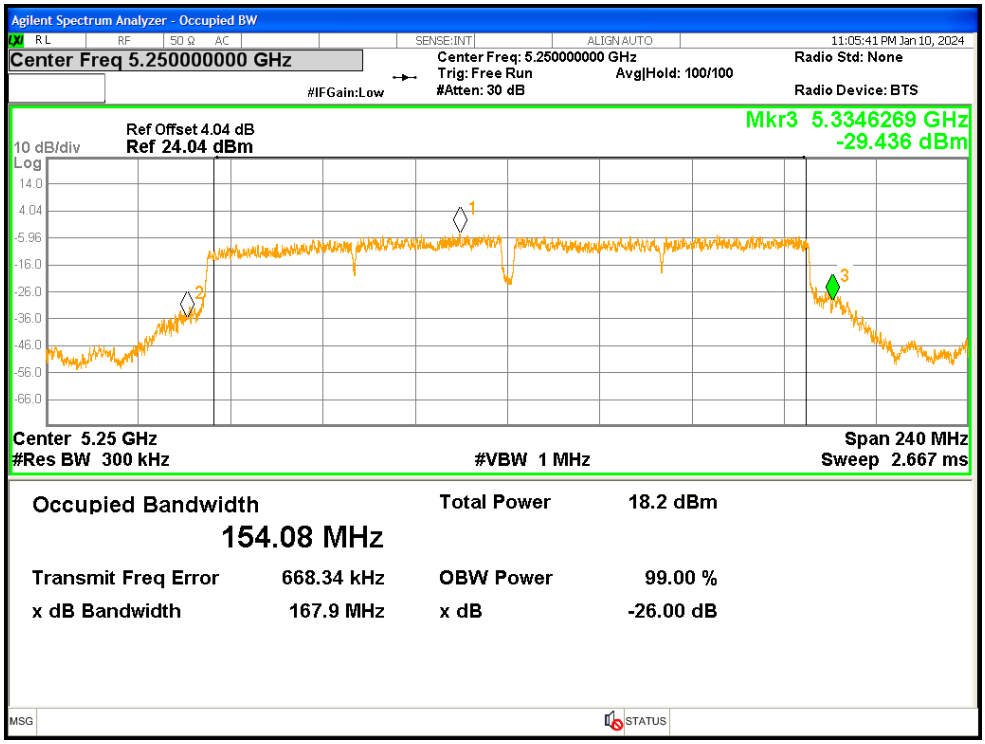
-26dB Bandwidth NVNT a 5240MHz Ant3



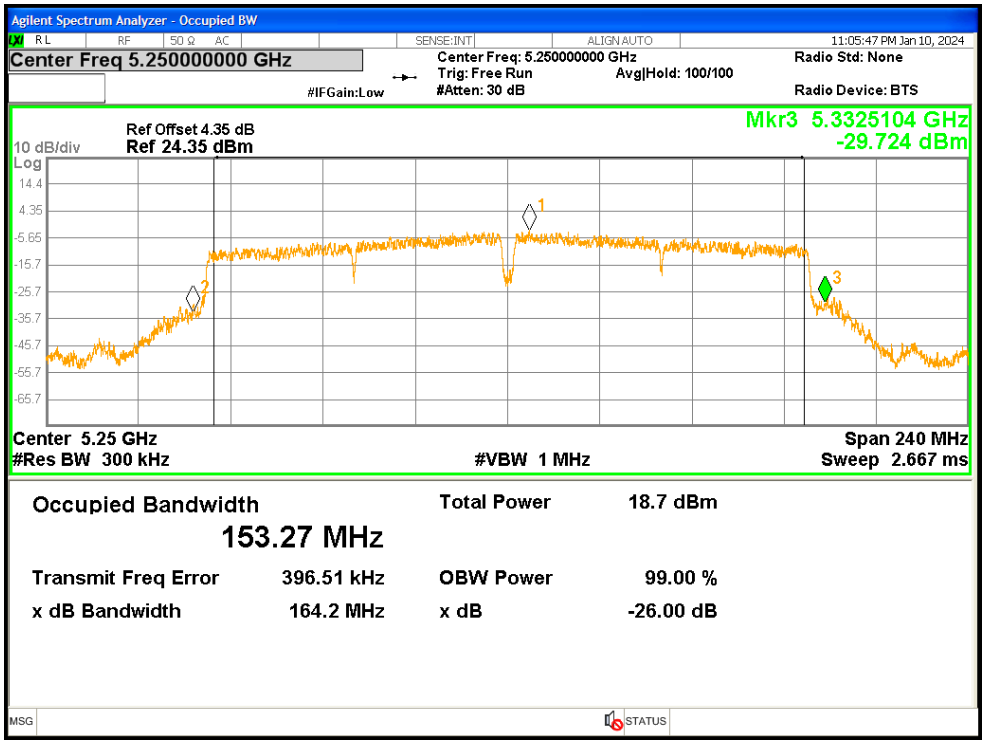
-26dB Bandwidth NVNT ac160 5250MHz Ant1



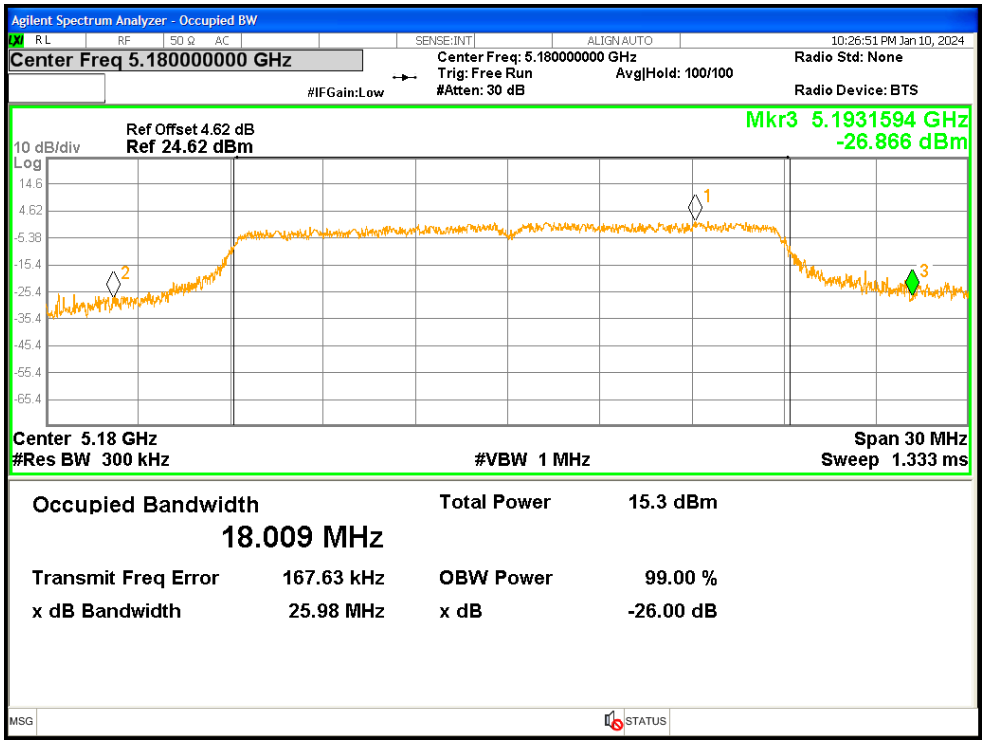
-26dB Bandwidth NVNT ac160 5250MHz Ant2



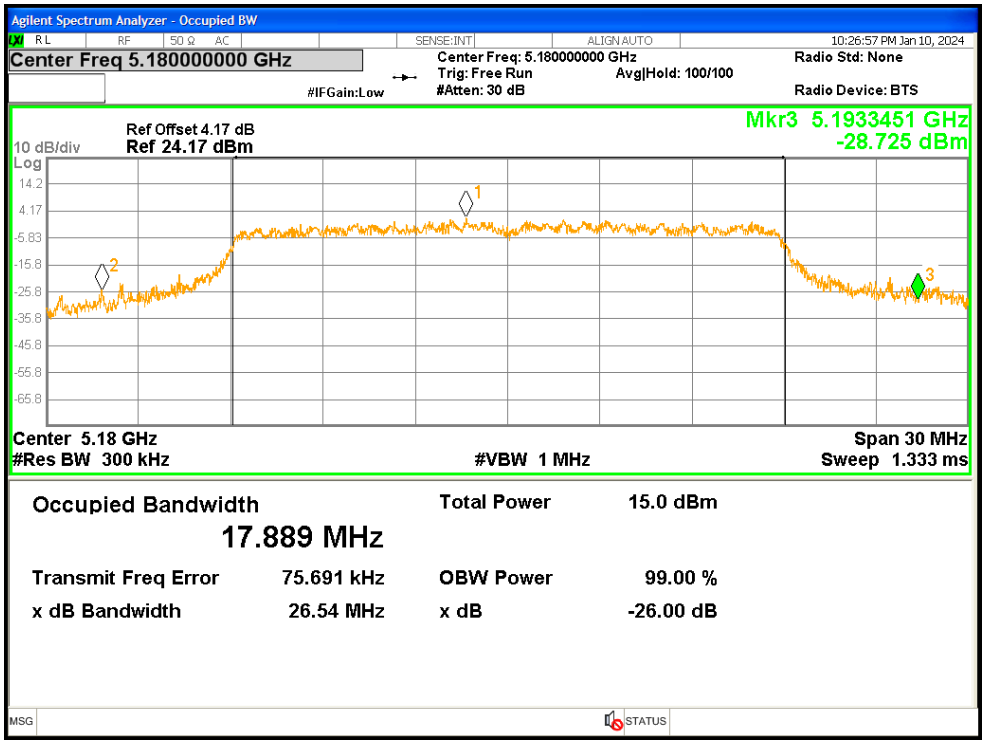
-26dB Bandwidth NVNT ac160 5250MHz Ant3



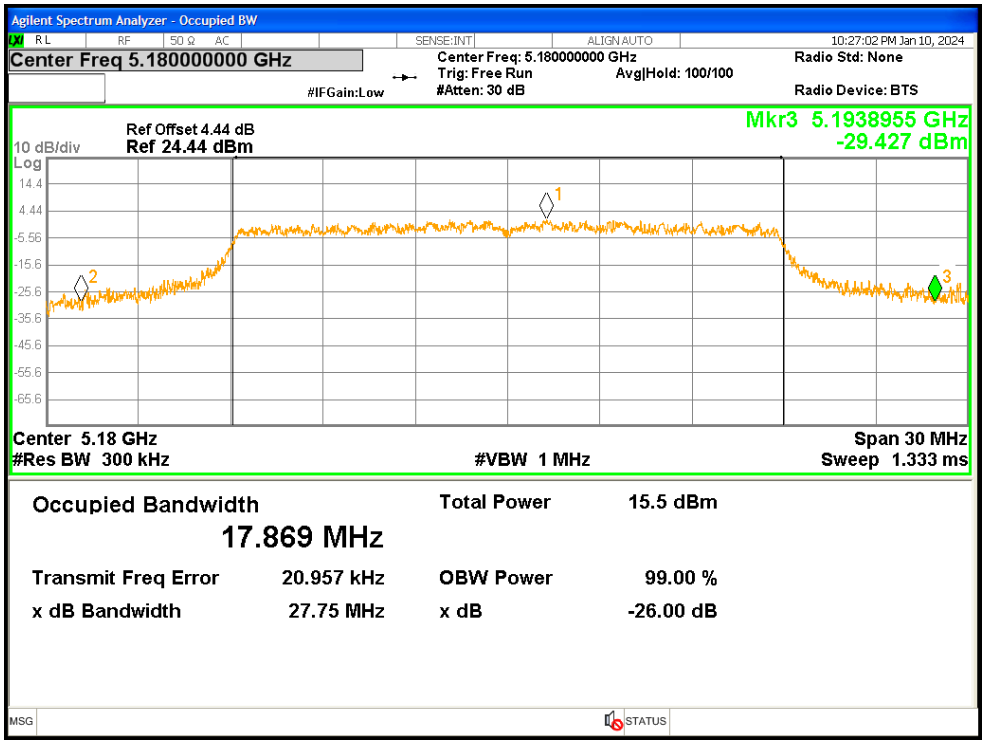
-26dB Bandwidth NVNT ac20 5180MHz Ant1



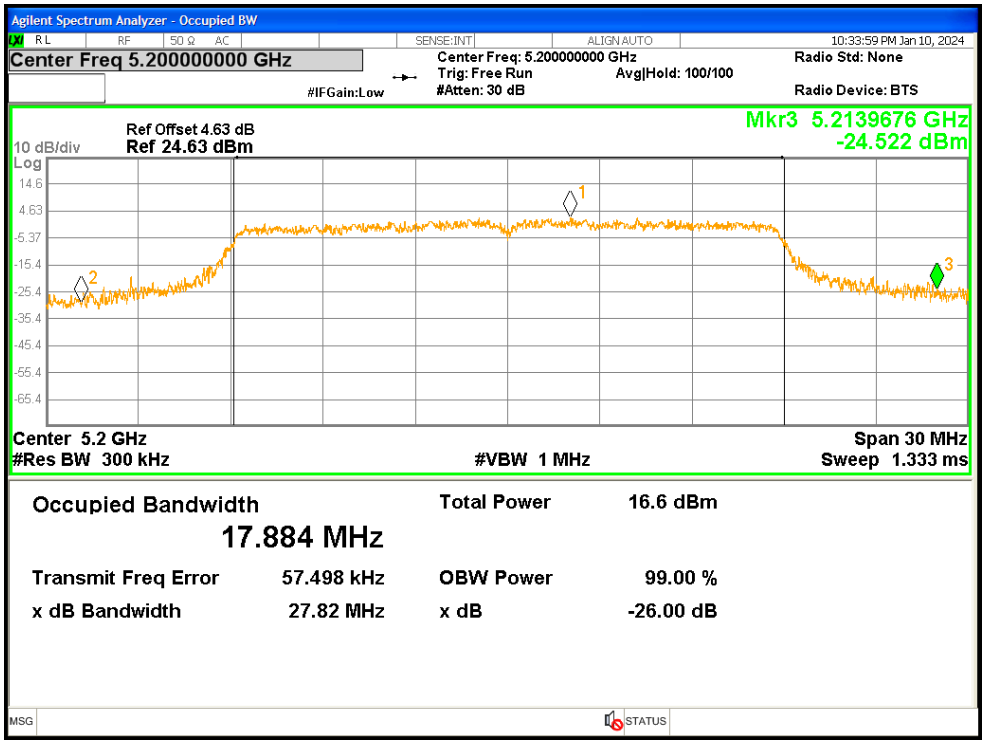
-26dB Bandwidth NVNT ac20 5180MHz Ant2



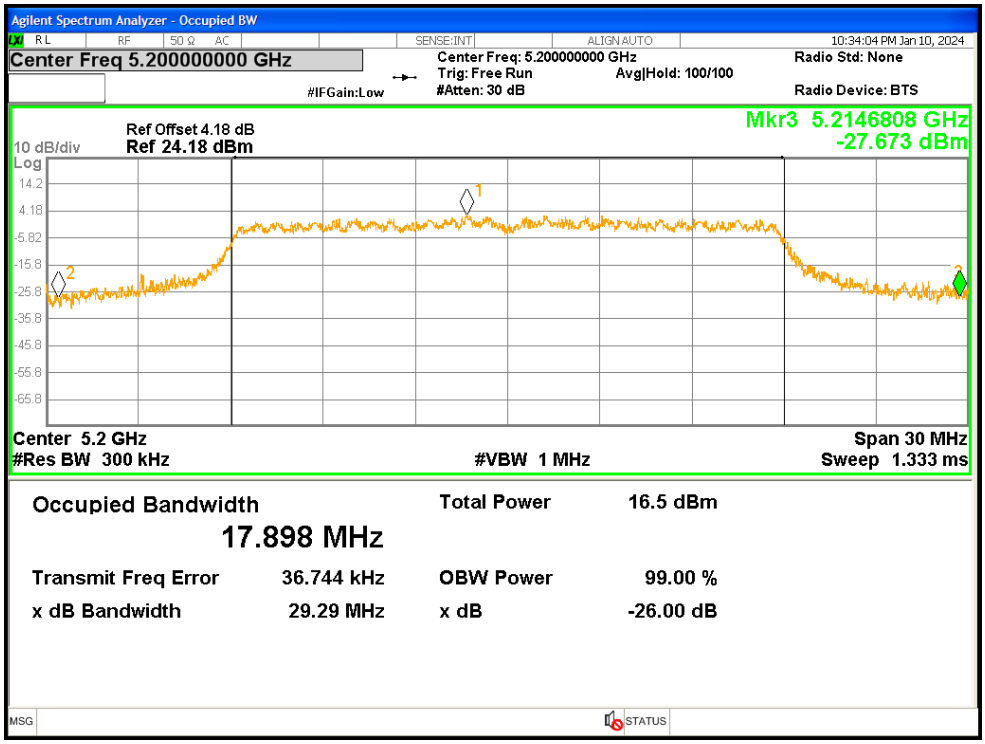
-26dB Bandwidth NVNT ac20 5180MHz Ant3



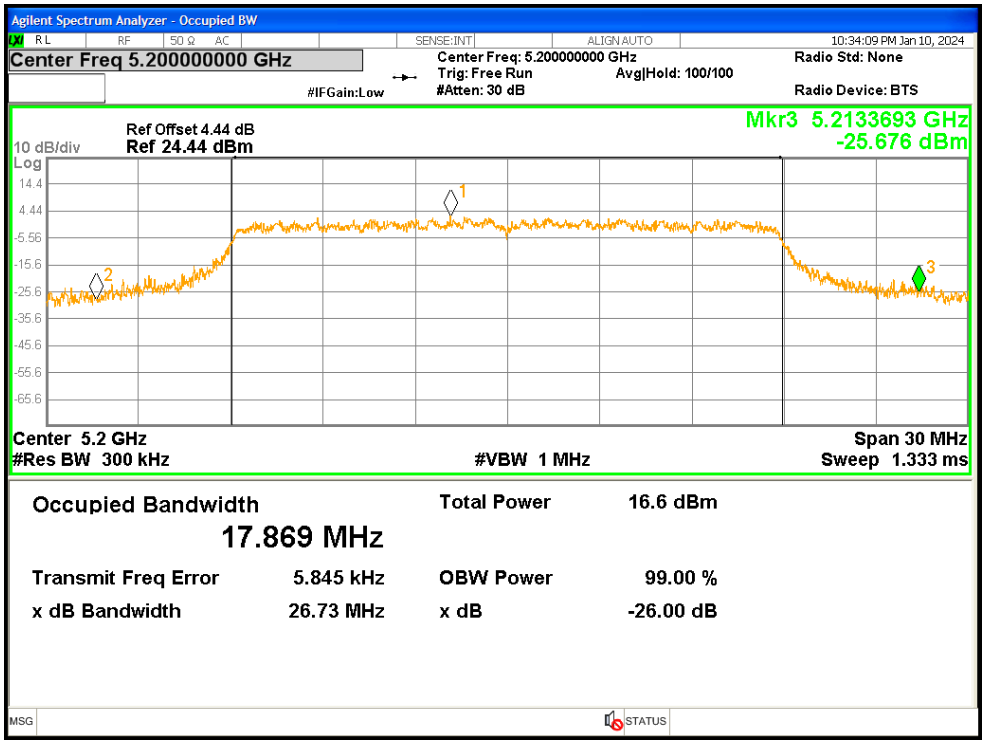
-26dB Bandwidth NVNT ac20 5200MHz Ant1



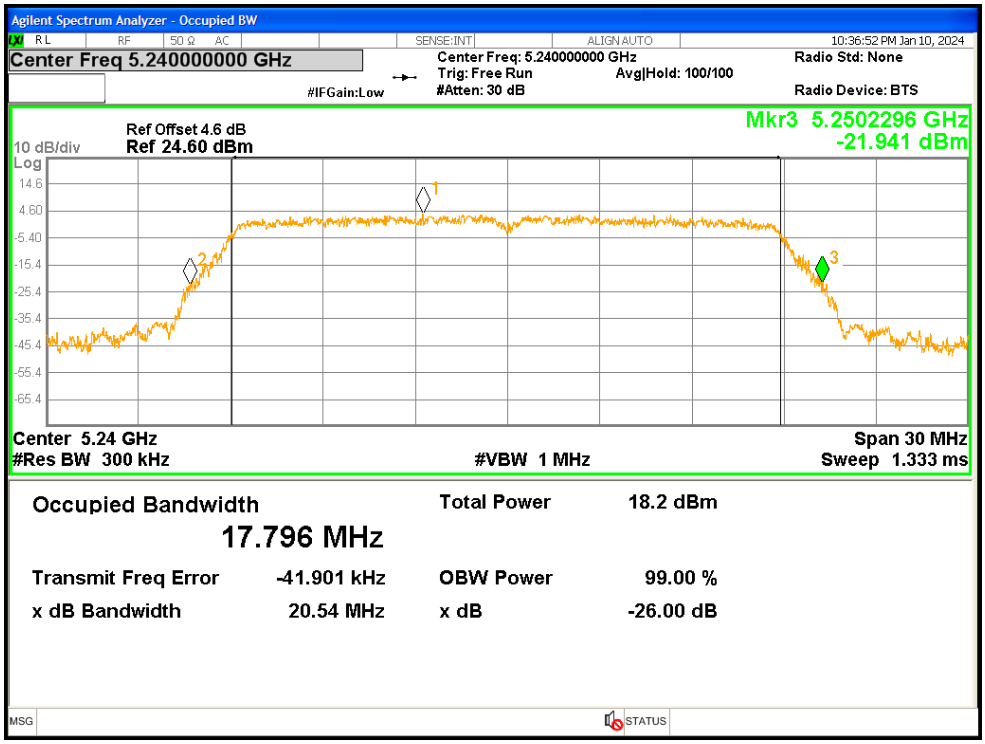
-26dB Bandwidth NVNT ac20 5200MHz Ant2



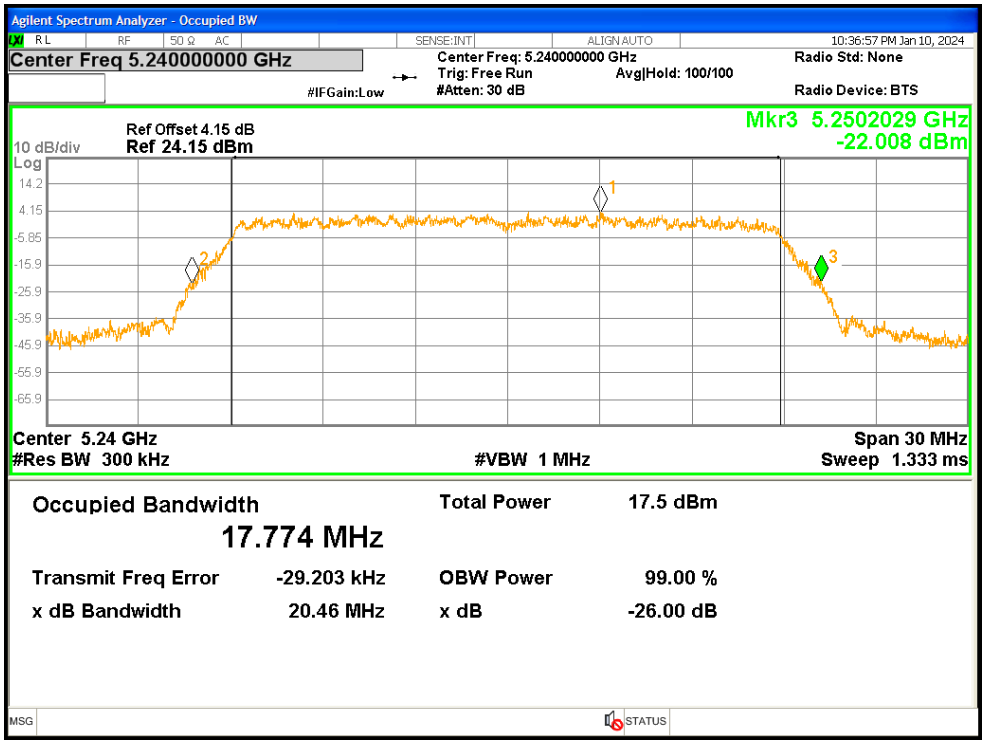
-26dB Bandwidth NVNT ac20 5200MHz Ant3



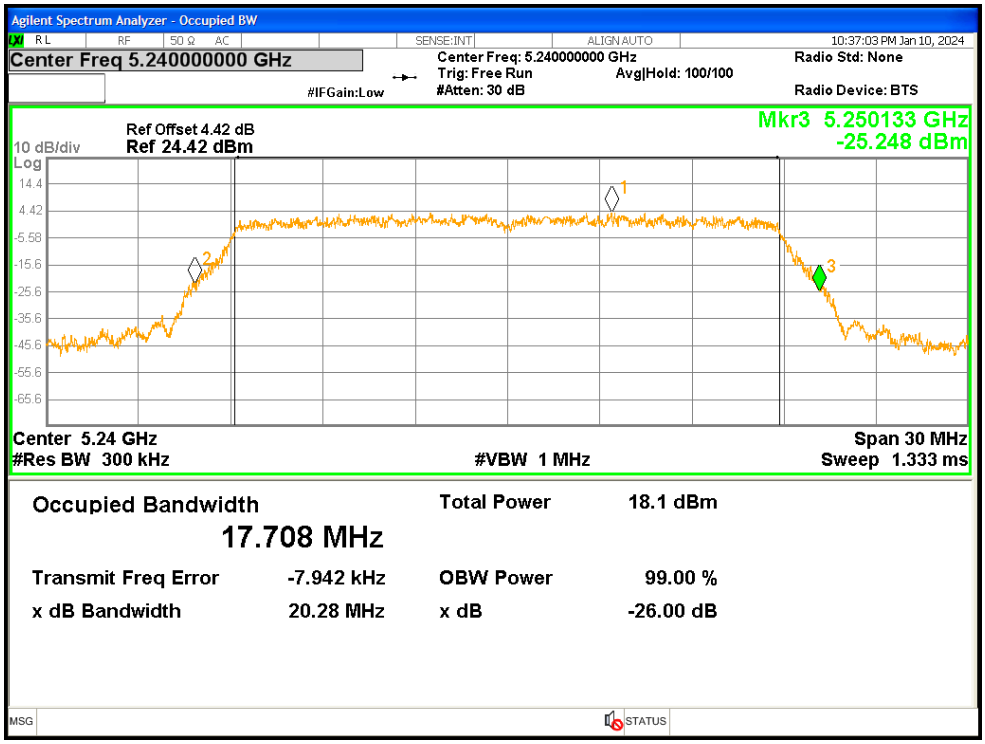
-26dB Bandwidth NVNT ac20 5240MHz Ant1



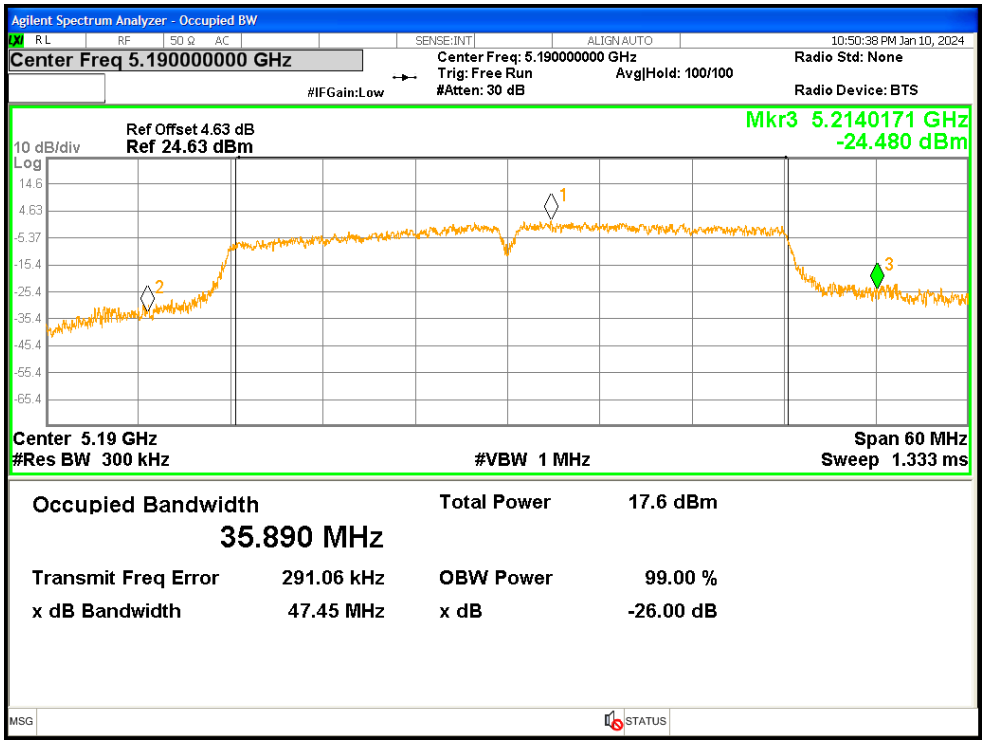
-26dB Bandwidth NVNT ac20 5240MHz Ant2



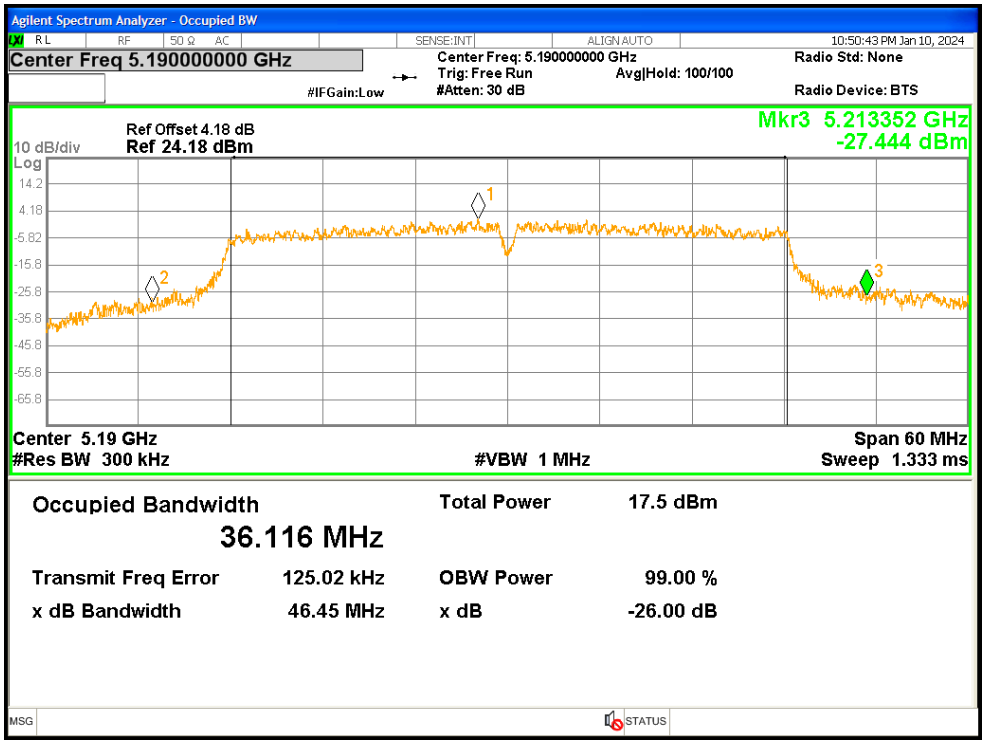
-26dB Bandwidth NVNT ac20 5240MHz Ant3



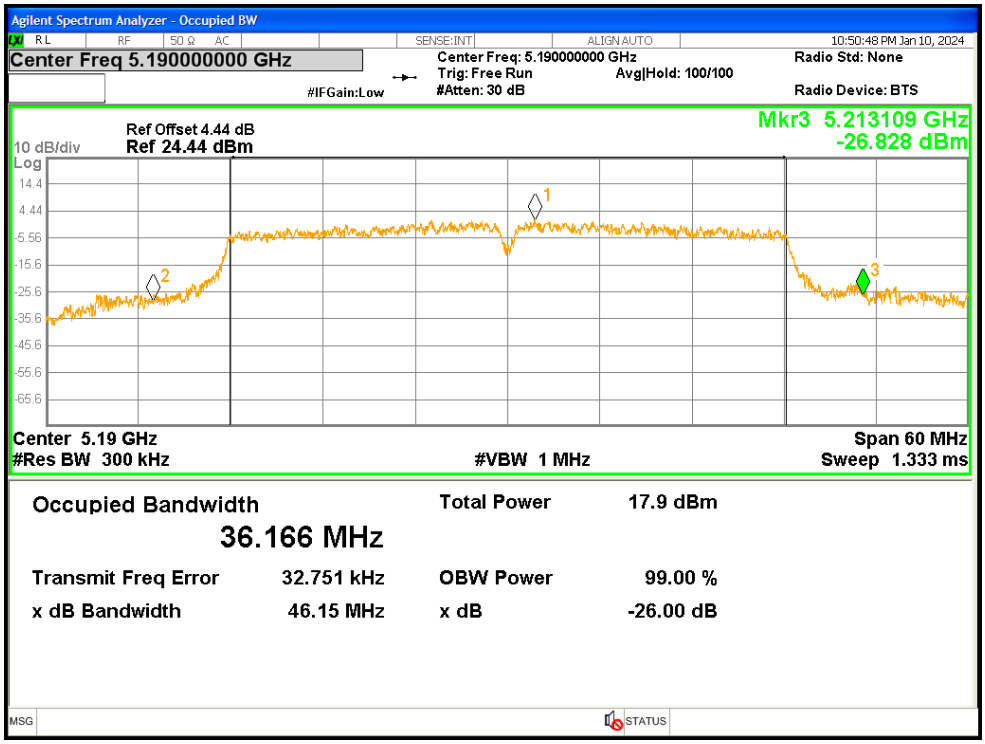
-26dB Bandwidth NVNT ac40 5190MHz Ant1



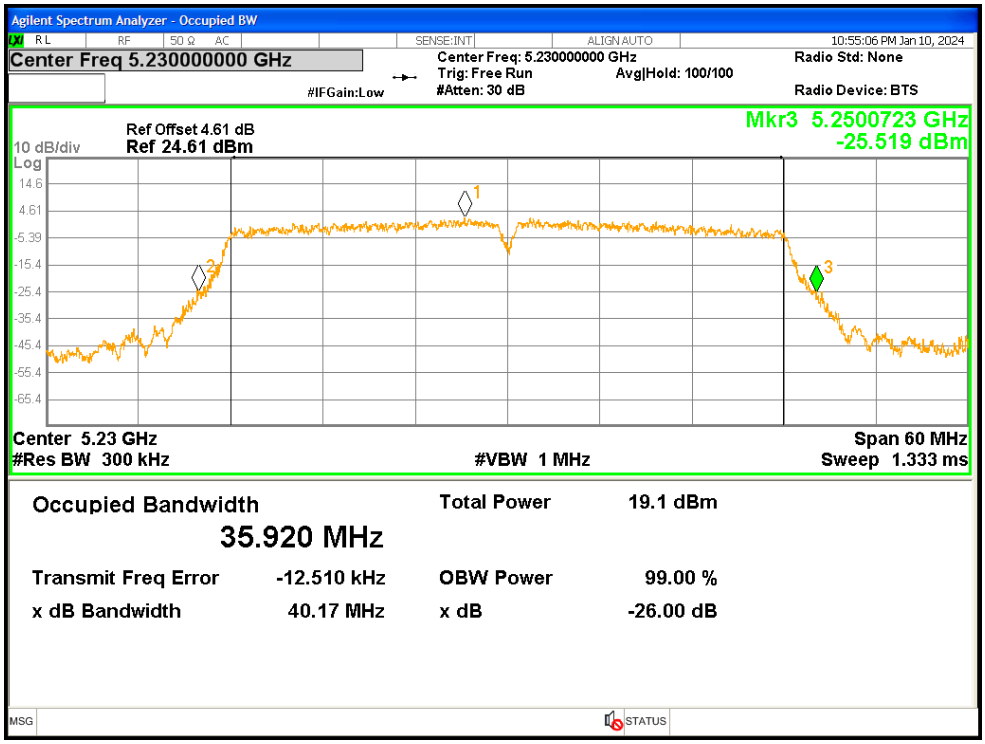
-26dB Bandwidth NVNT ac40 5190MHz Ant2



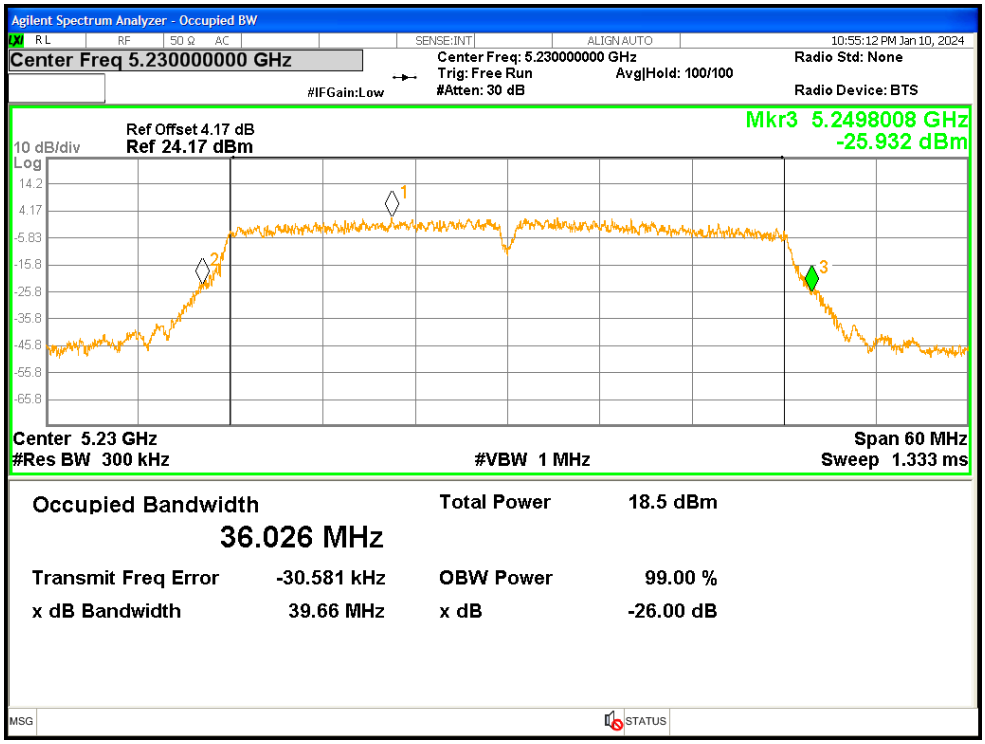
-26dB Bandwidth NVNT ac40 5190MHz Ant3



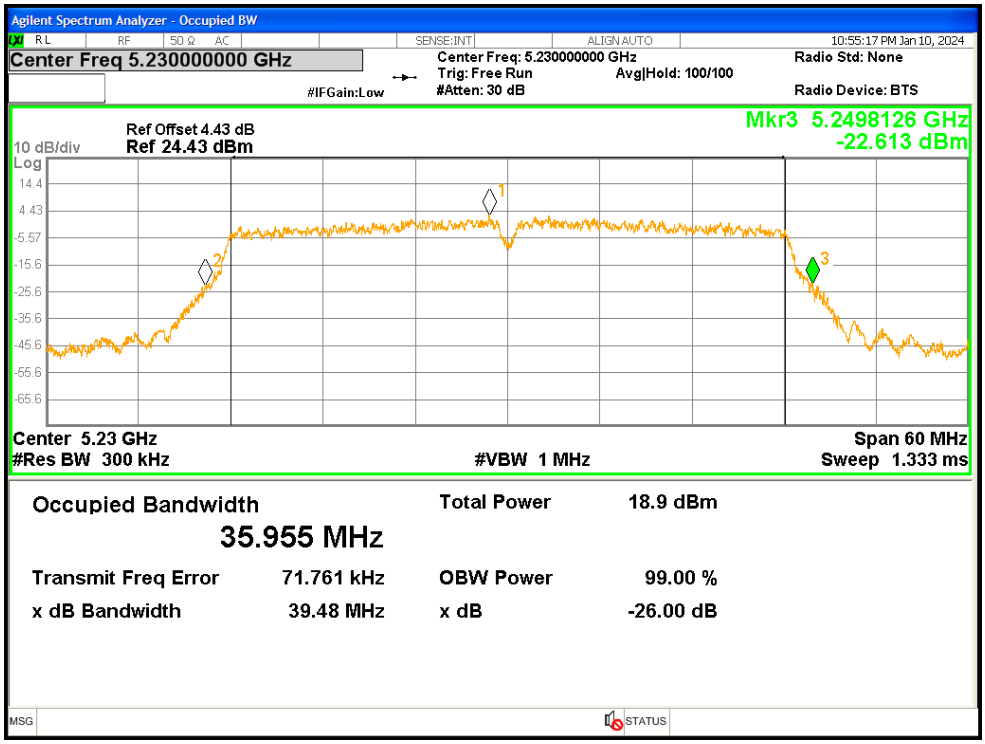
-26dB Bandwidth NVNT ac40 5230MHz Ant1



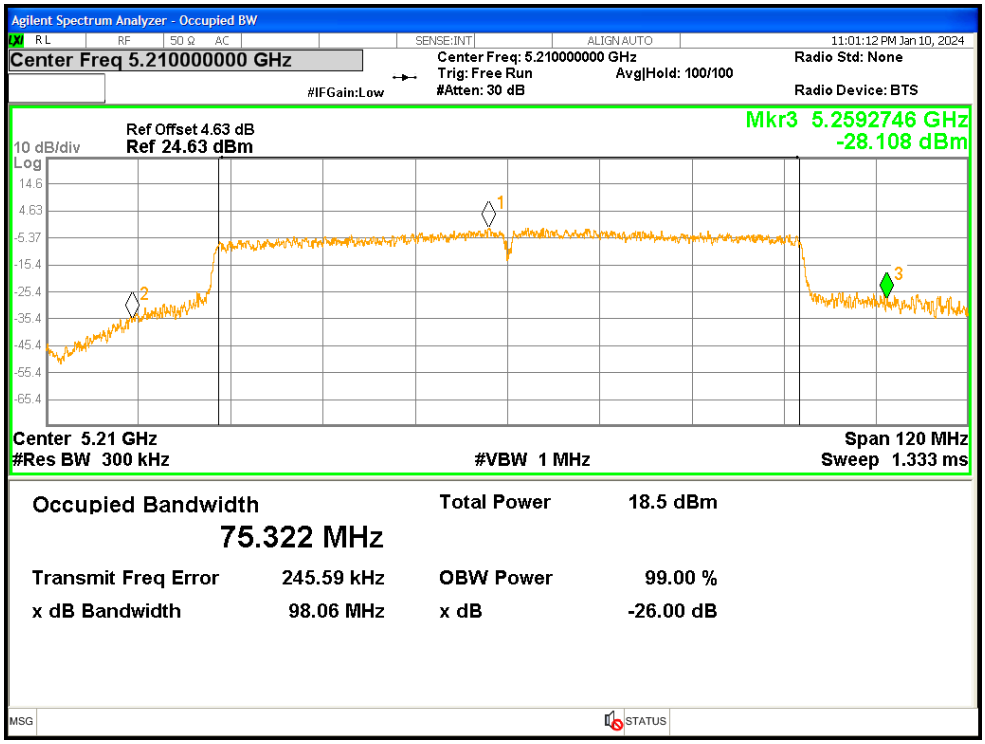
-26dB Bandwidth NVNT ac40 5230MHz Ant2



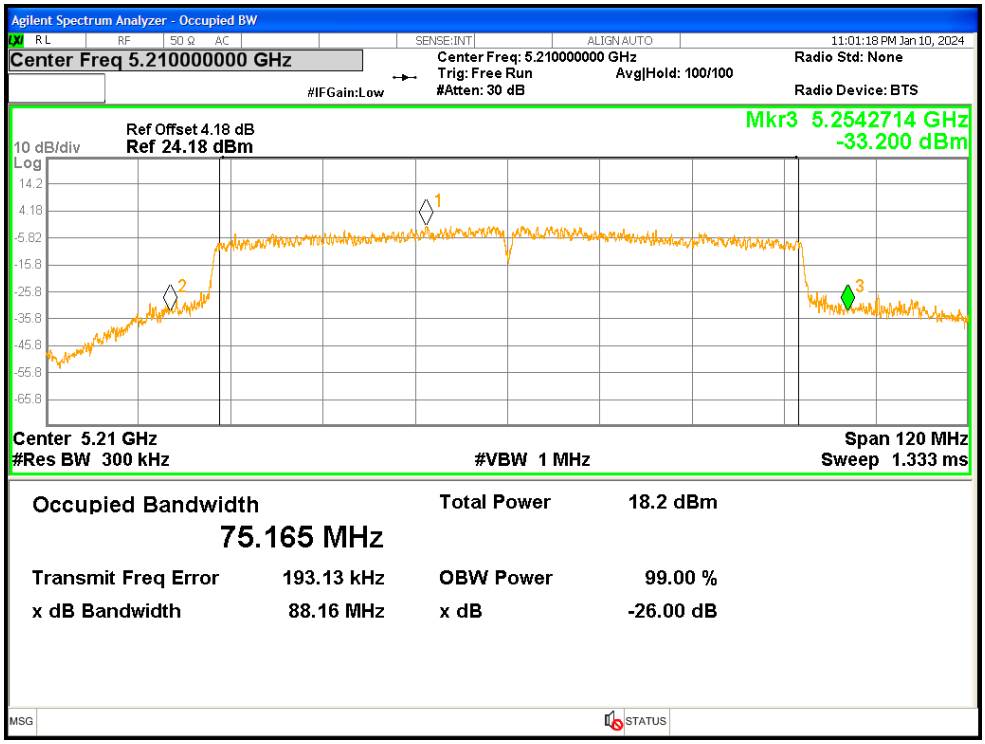
-26dB Bandwidth NVNT ac40 5230MHz Ant3



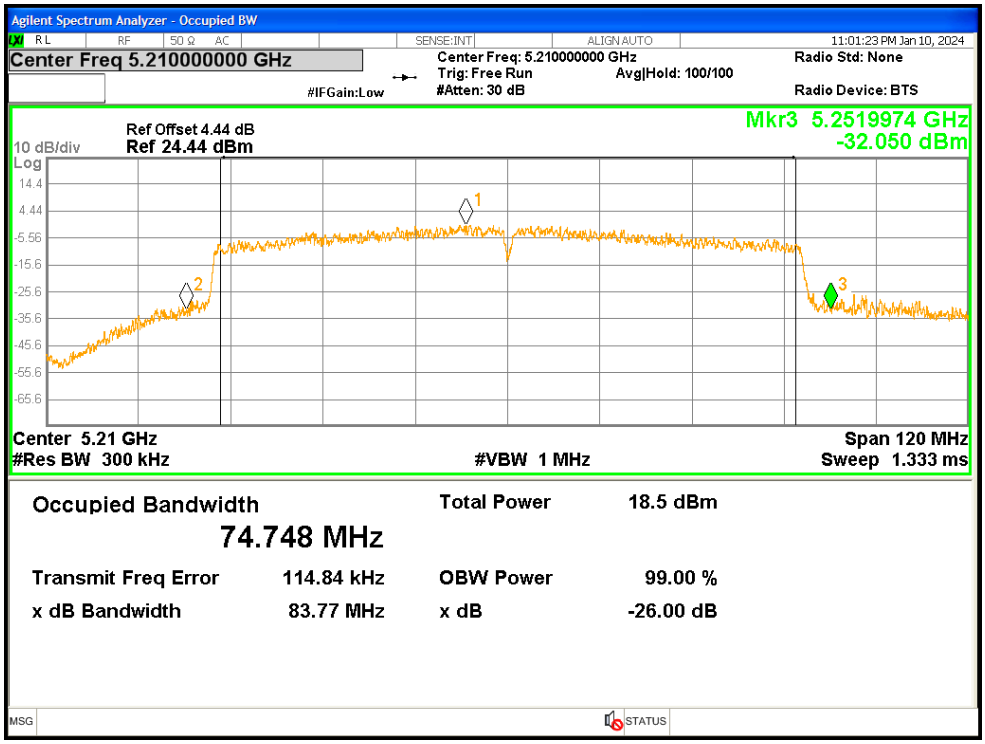
-26dB Bandwidth NVNT ac80 5210MHz Ant1



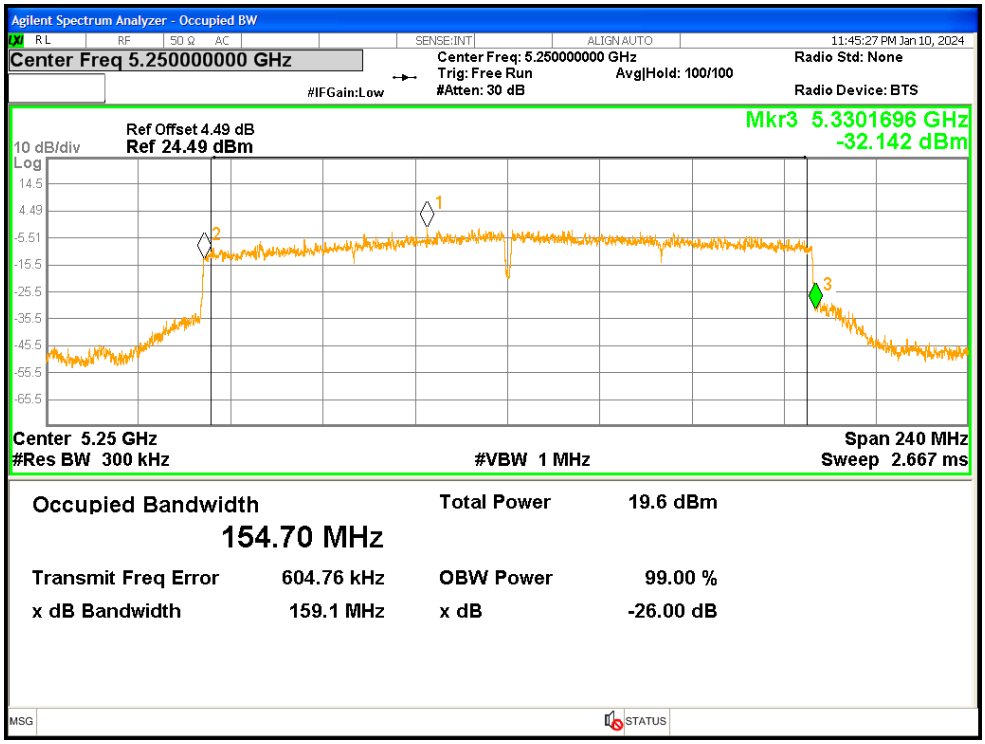
-26dB Bandwidth NVNT ac80 5210MHz Ant2



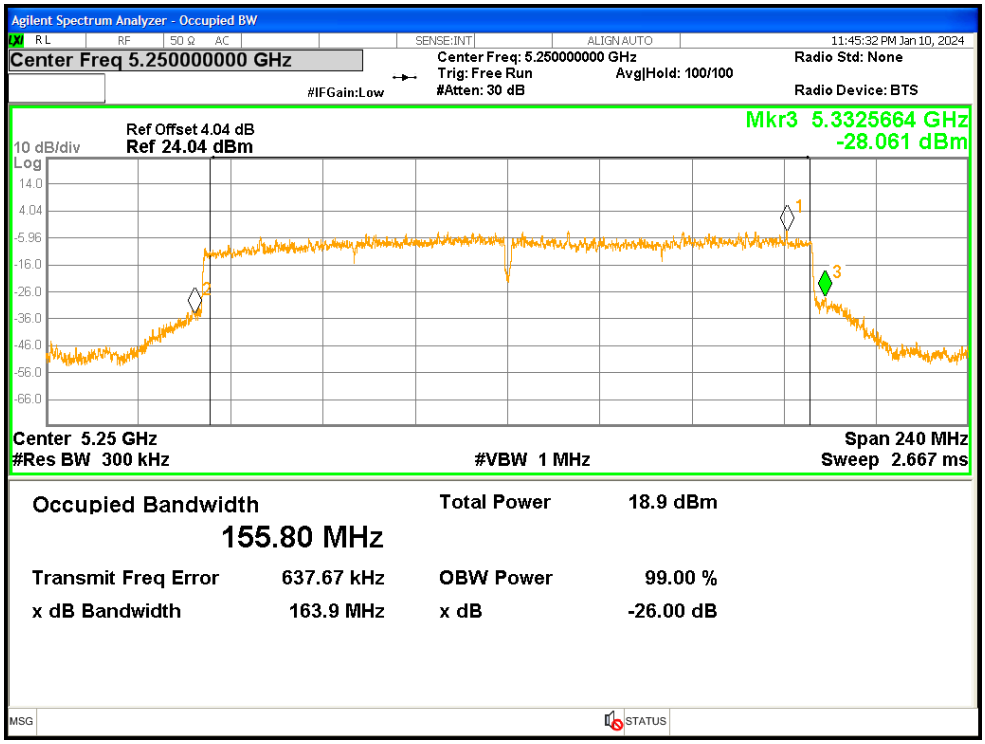
-26dB Bandwidth NVNT ac80 5210MHz Ant3



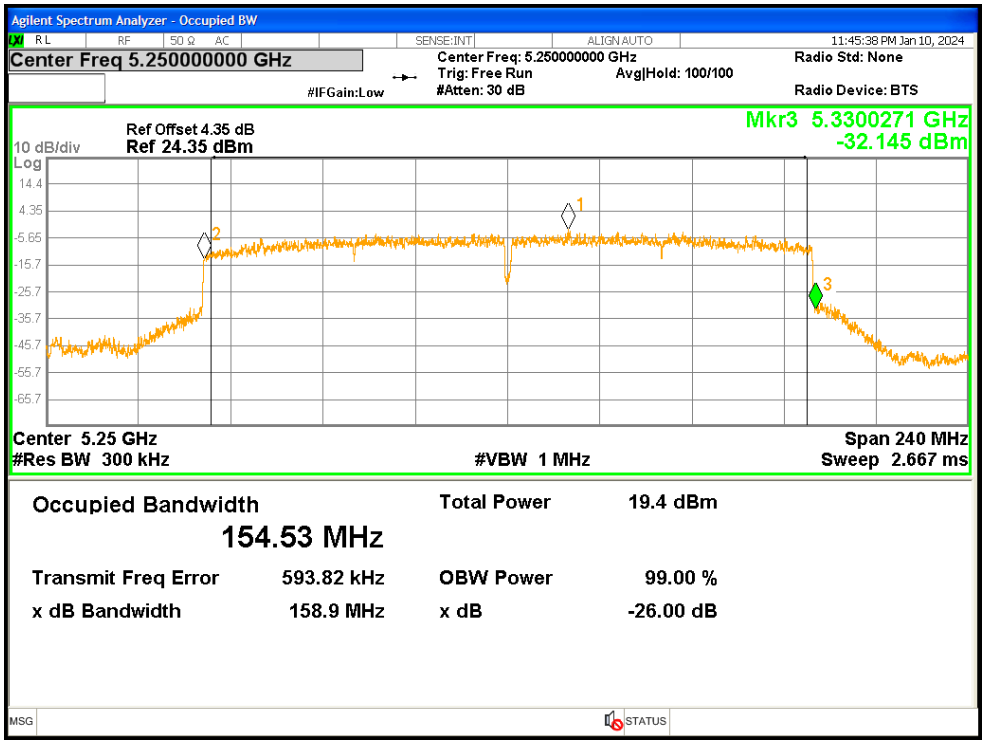
-26dB Bandwidth NVNT ax160 5250MHz Ant1



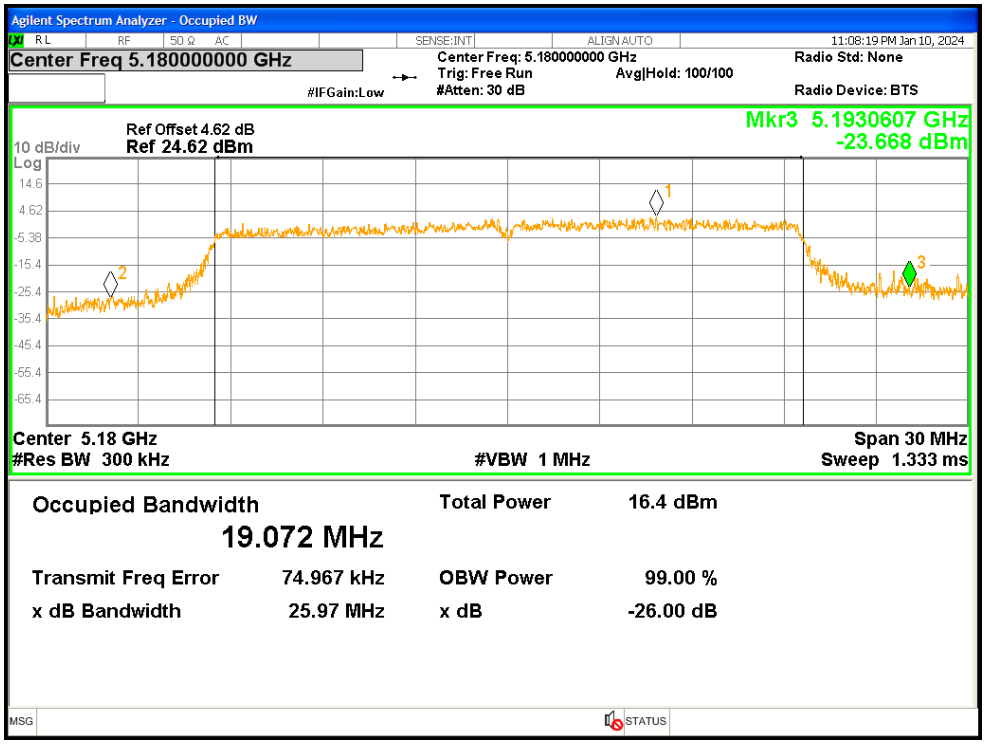
-26dB Bandwidth NVNT ax160 5250MHz Ant2



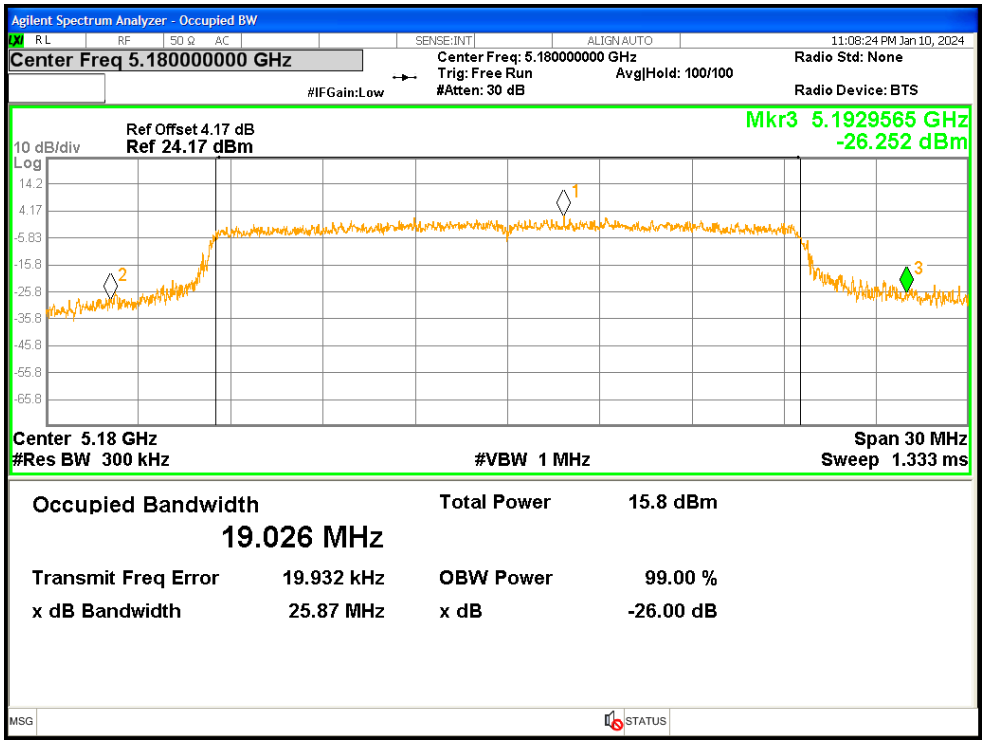
-26dB Bandwidth NVNT ax160 5250MHz Ant3



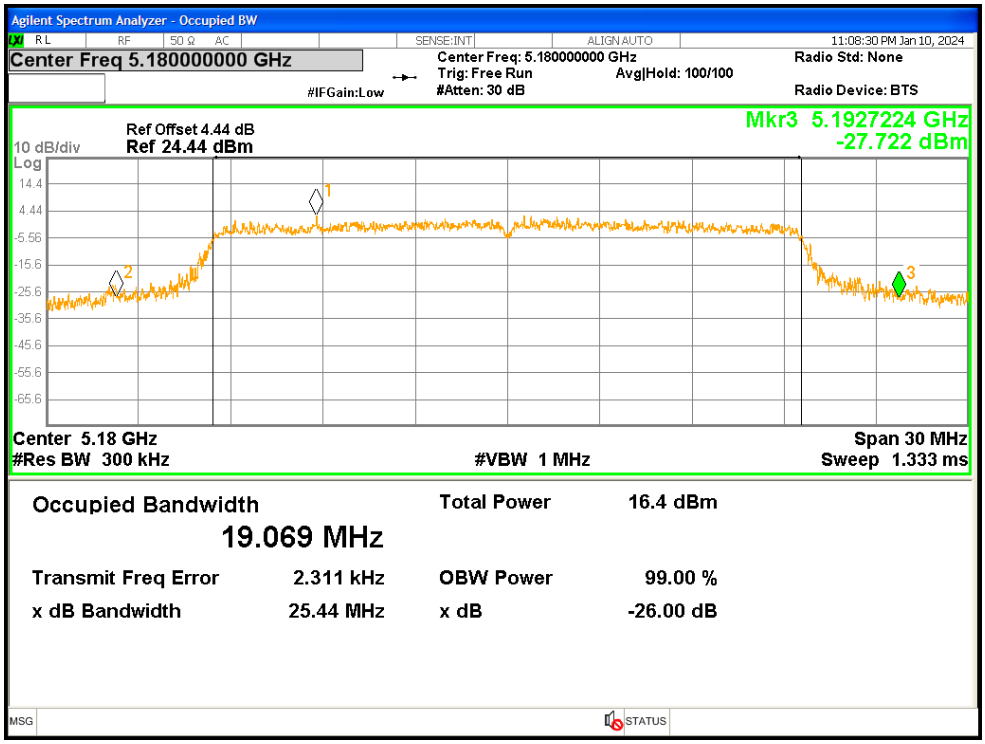
-26dB Bandwidth NVNT ax20 5180MHz Ant1



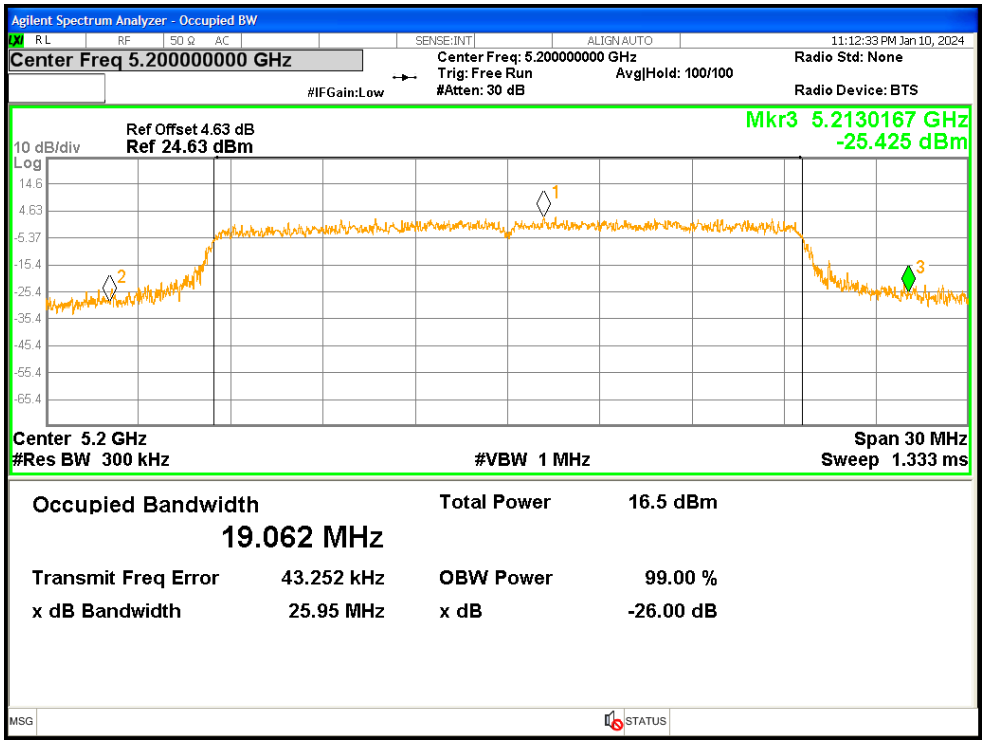
-26dB Bandwidth NVNT ax20 5180MHz Ant2



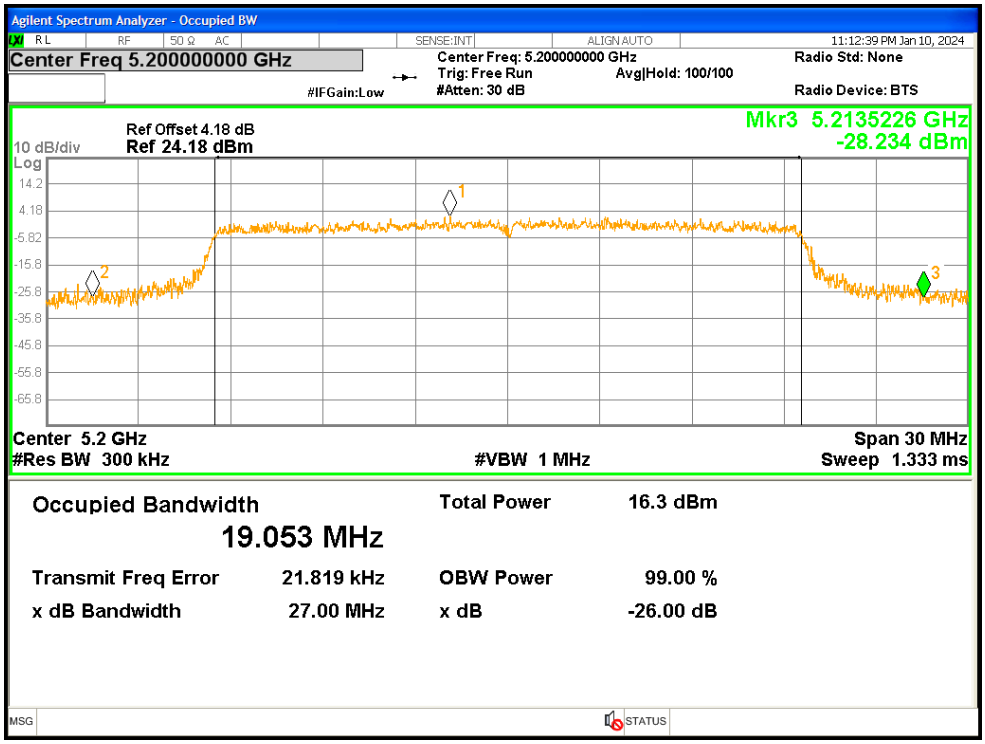
-26dB Bandwidth NVNT ax20 5180MHz Ant3



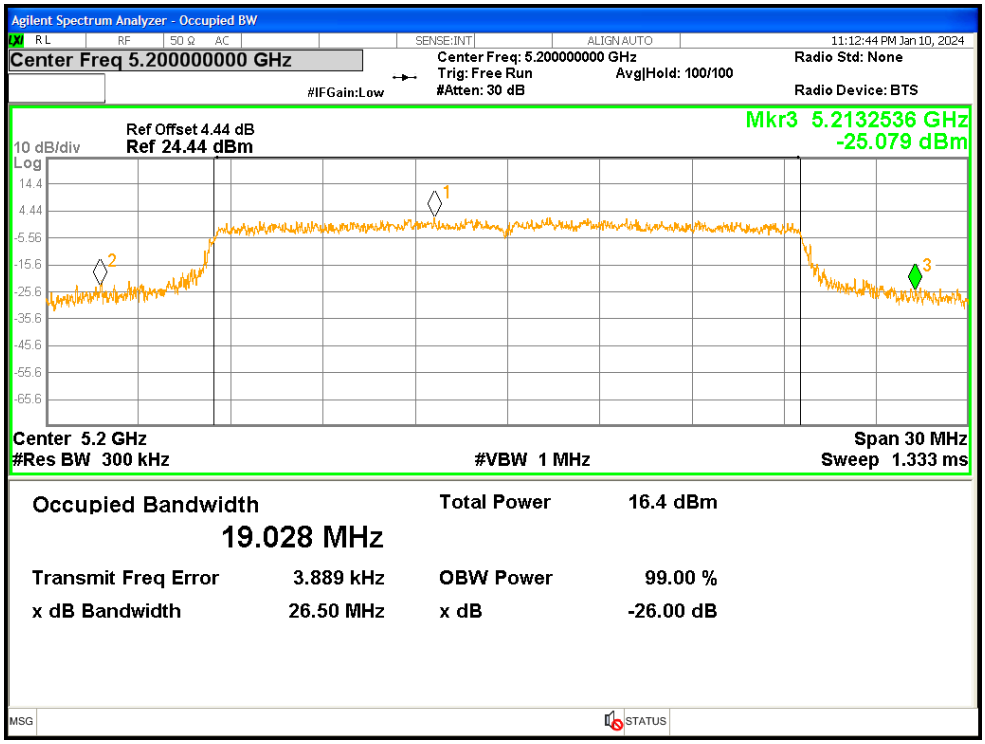
-26dB Bandwidth NVNT ax20 5200MHz Ant1



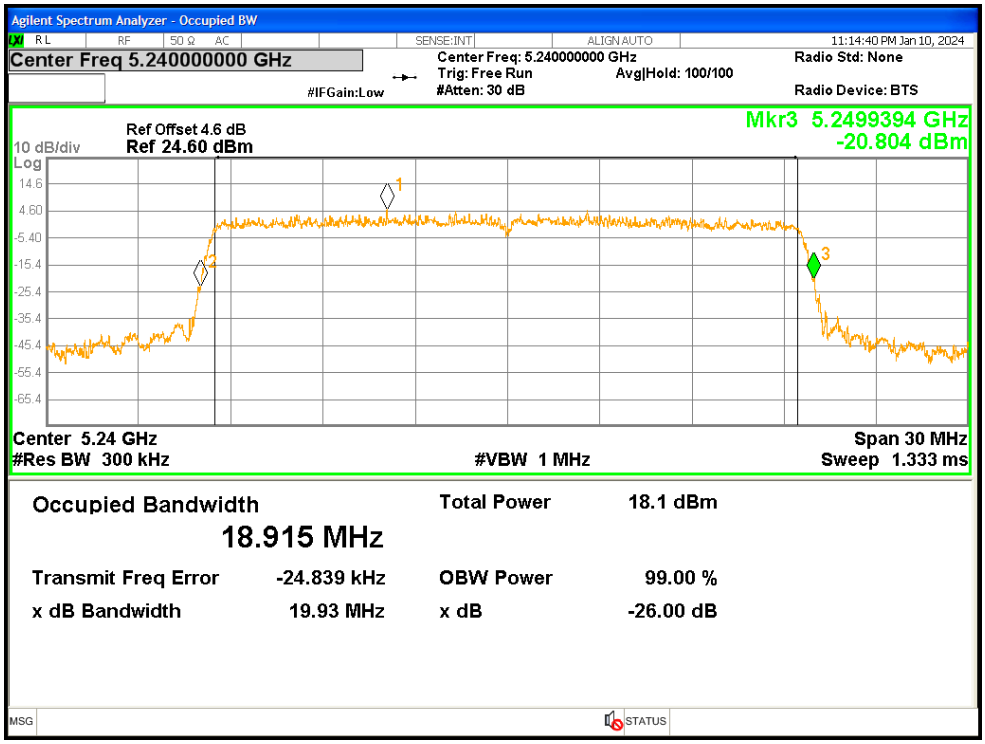
-26dB Bandwidth NVNT ax20 5200MHz Ant2



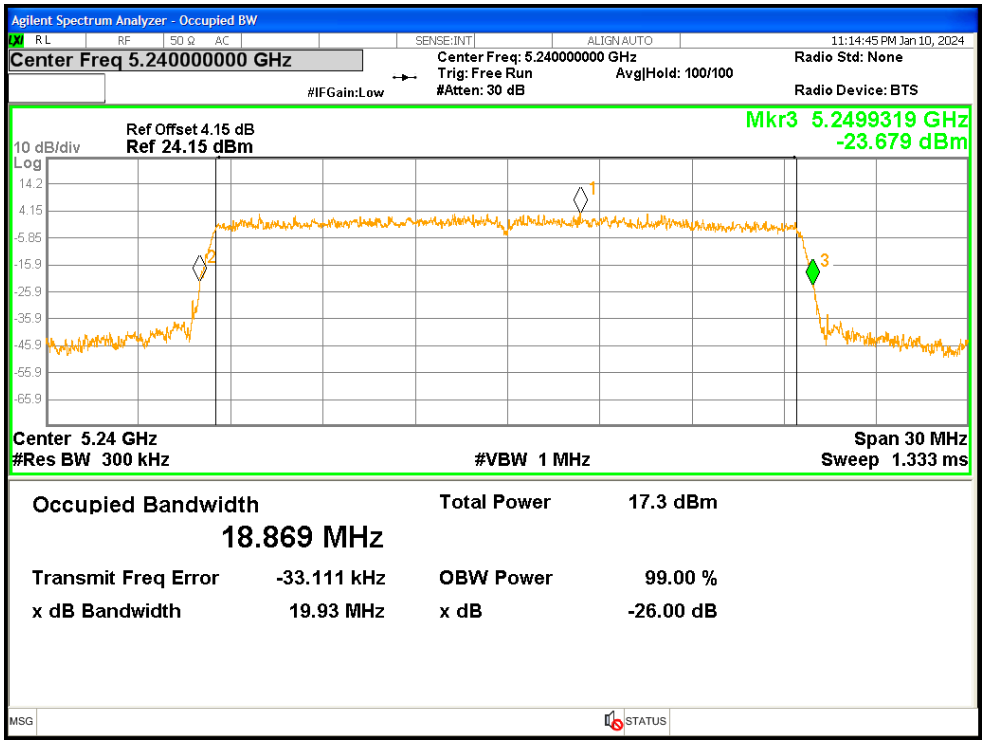
-26dB Bandwidth NVNT ax20 5200MHz Ant3



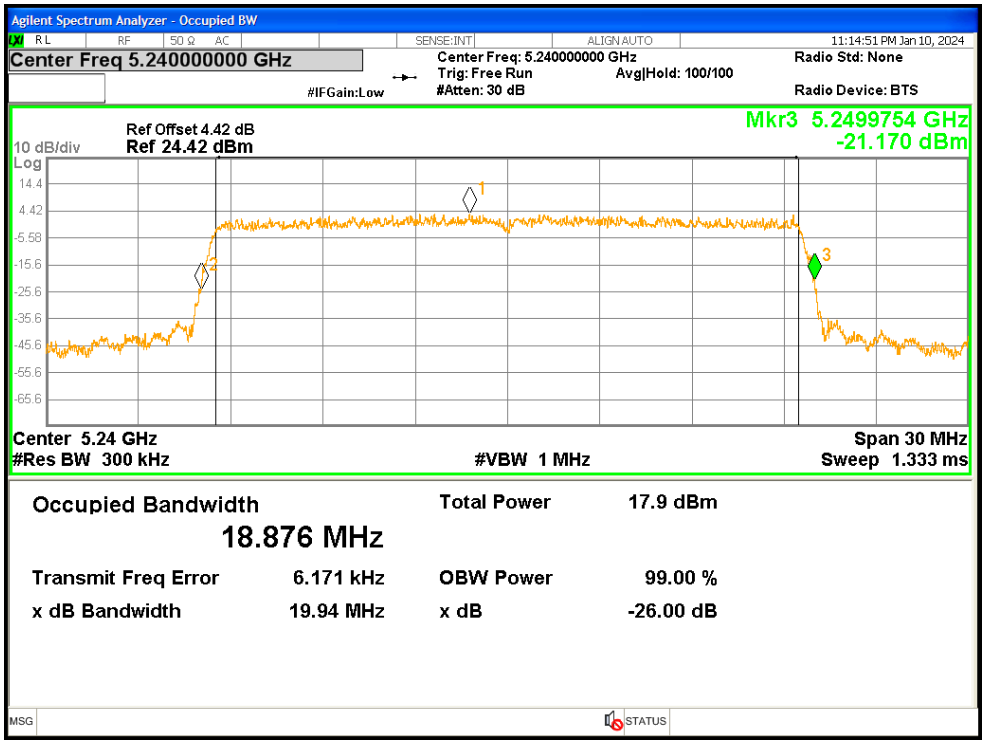
-26dB Bandwidth NVNT ax20 5240MHz Ant1



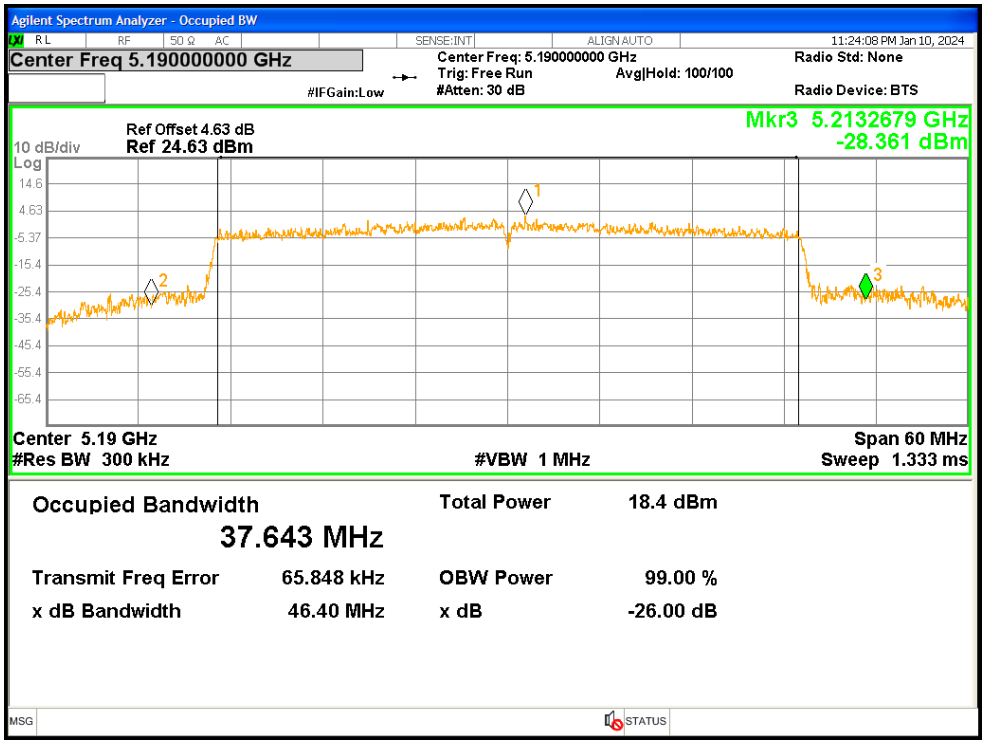
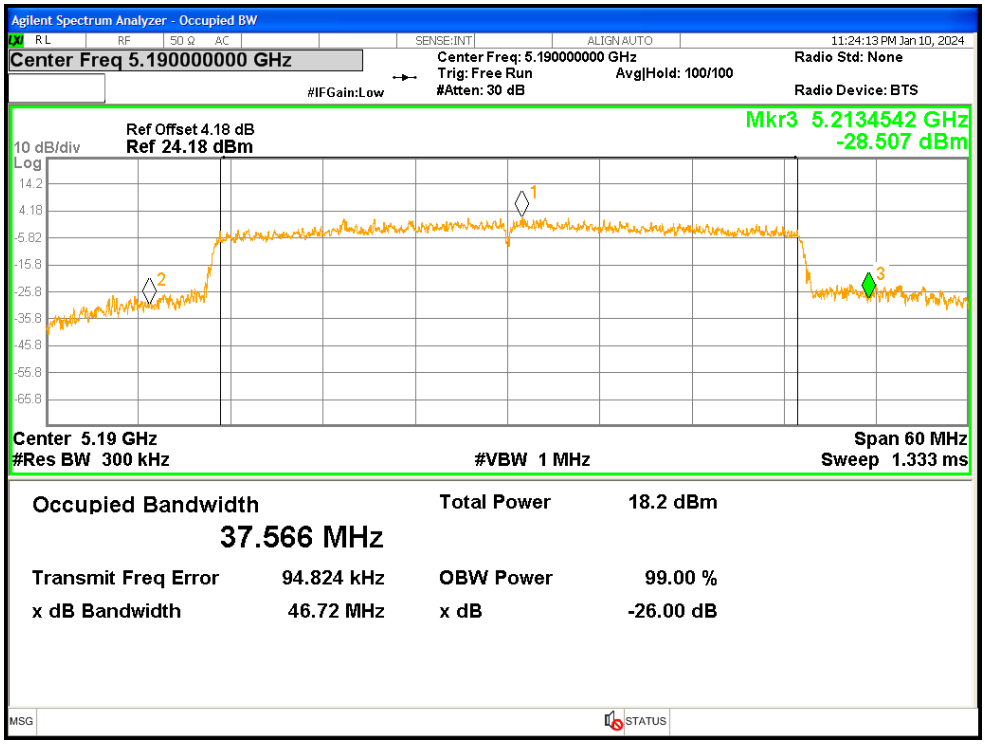
-26dB Bandwidth NVNT ax20 5240MHz Ant2



-26dB Bandwidth NVNT ax20 5240MHz Ant3



-26dB Bandwidth NVNT ax40 5190MHz Ant1



-26dB Bandwidth NVNT ax40 5190MHz Ant2