



Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: 14.0 inch Notebook with Windows OS

Test Model: SC-5514WNB

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng





D.1 -26dB Bandwidth

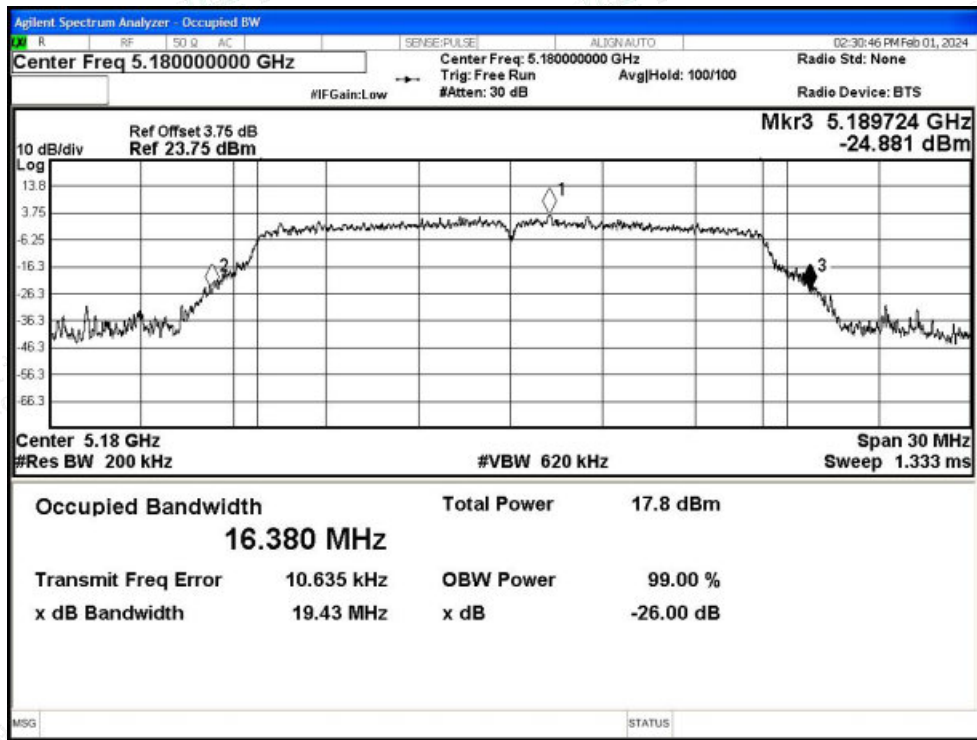
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.426	--	Pass
NVNT	a	5200	Ant1	19.895	--	Pass
NVNT	a	5240	Ant1	19.59	--	Pass
NVNT	n20	5180	Ant1	20.066	--	Pass
NVNT	n20	5200	Ant1	20.039	--	Pass
NVNT	n20	5240	Ant1	20	--	Pass
NVNT	n40	5190	Ant1	39.6	--	Pass
NVNT	n40	5230	Ant1	40.078	--	Pass
NVNT	ac20	5180	Ant1	20.033	--	Pass
NVNT	ac20	5200	Ant1	20.116	--	Pass
NVNT	ac20	5240	Ant1	19.957	--	Pass
NVNT	ac40	5190	Ant1	40.012	--	Pass
NVNT	ac40	5230	Ant1	40.047	--	Pass
NVNT	ac80	5210	Ant1	80.136	--	Pass



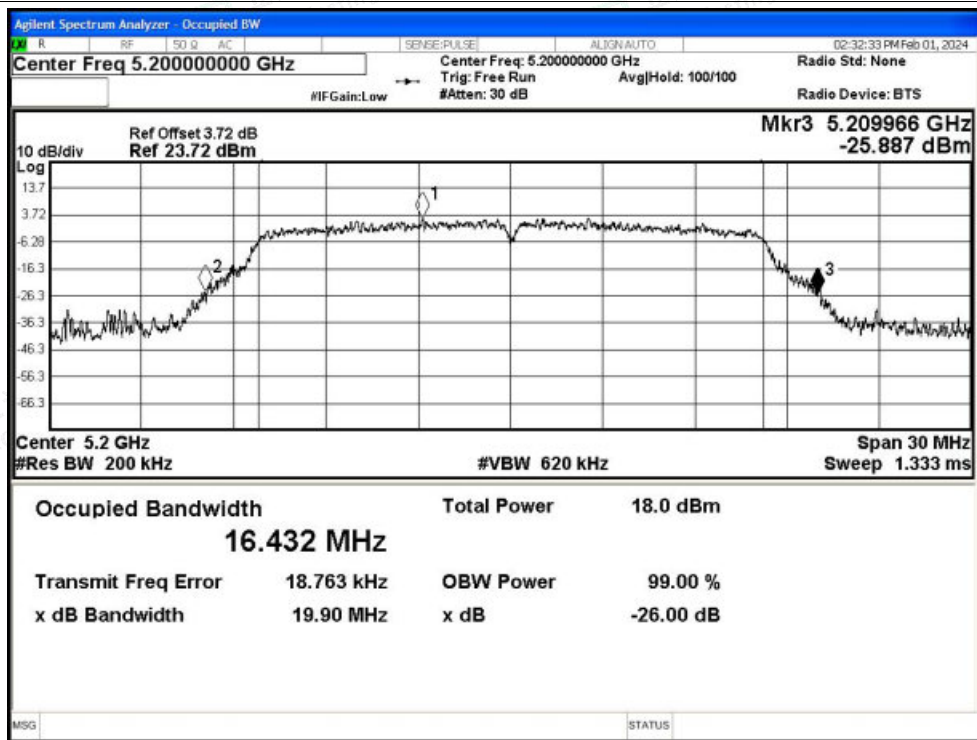


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1

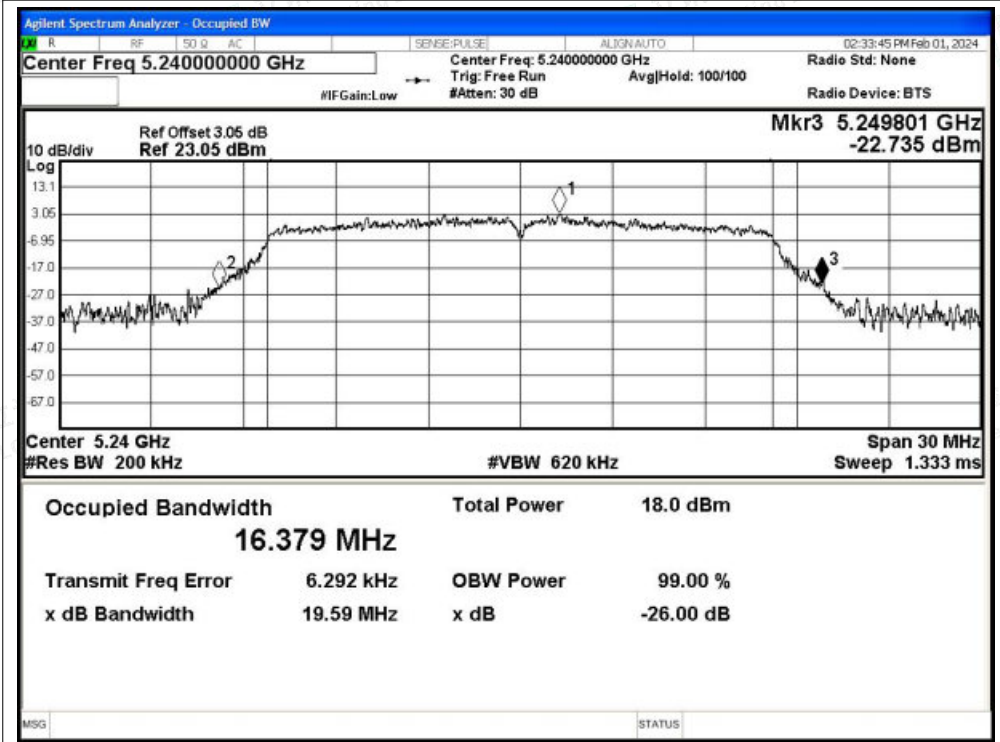


-26dB Bandwidth NVNT a 5200MHz Ant1

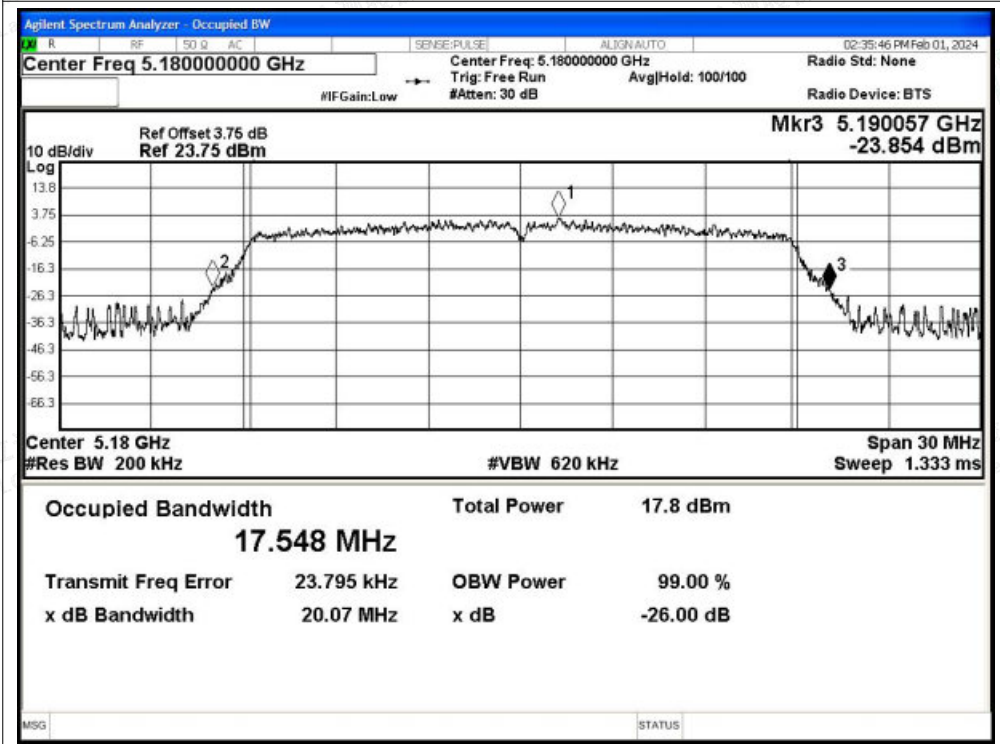




-26dB Bandwidth NVNT a 5240MHz Ant1

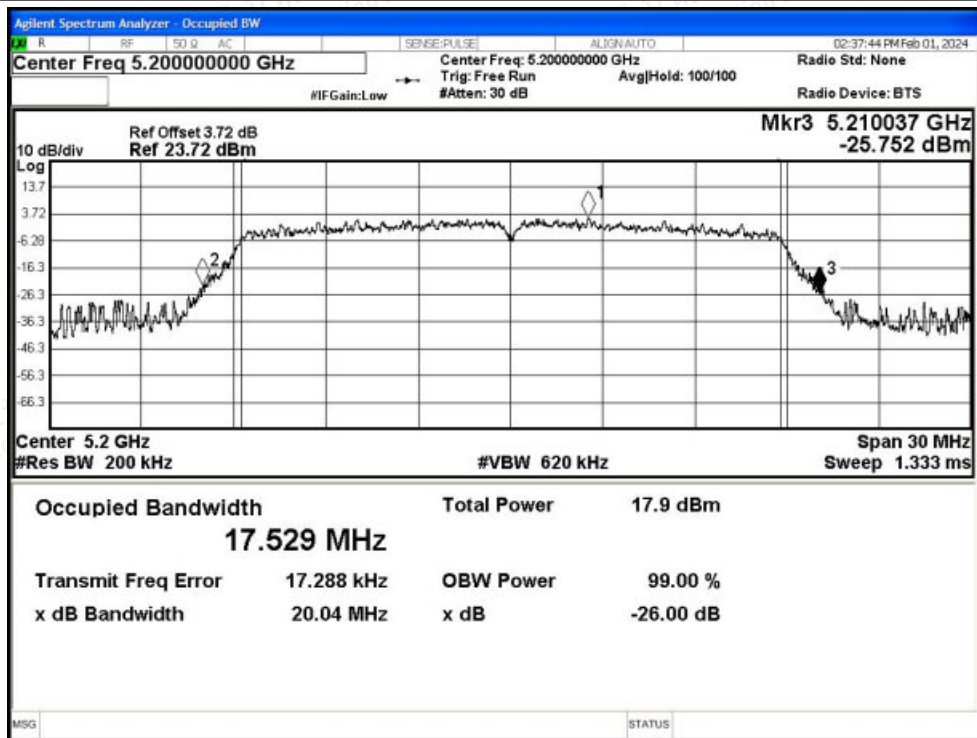


-26dB Bandwidth NVNT n20 5180MHz Ant1

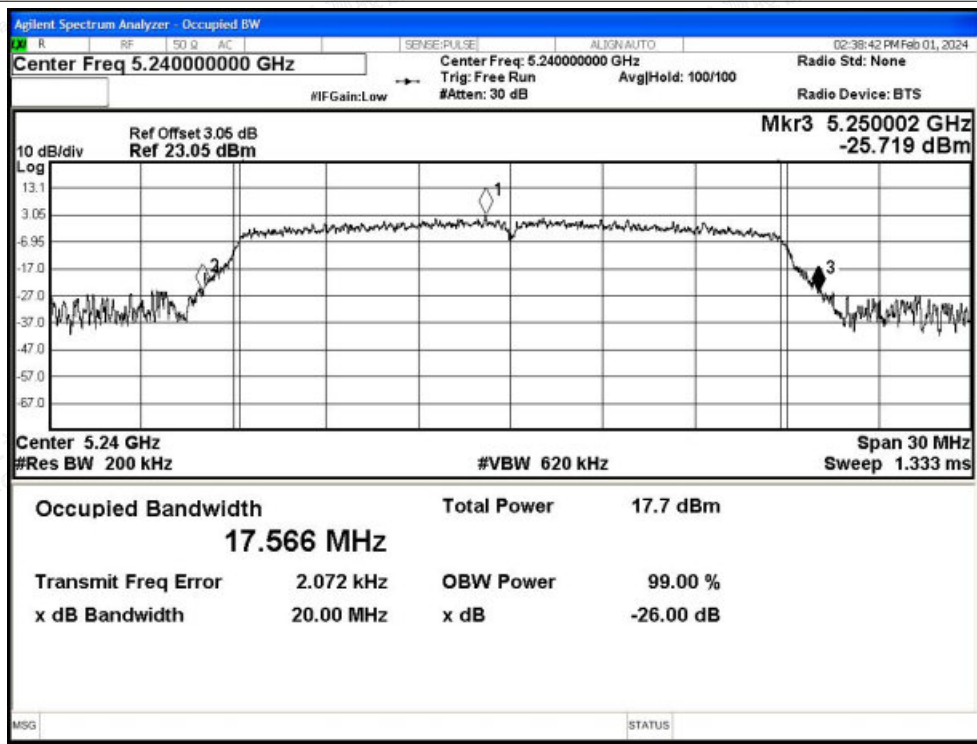




-26dB Bandwidth NVNT n20 5200MHz Ant1

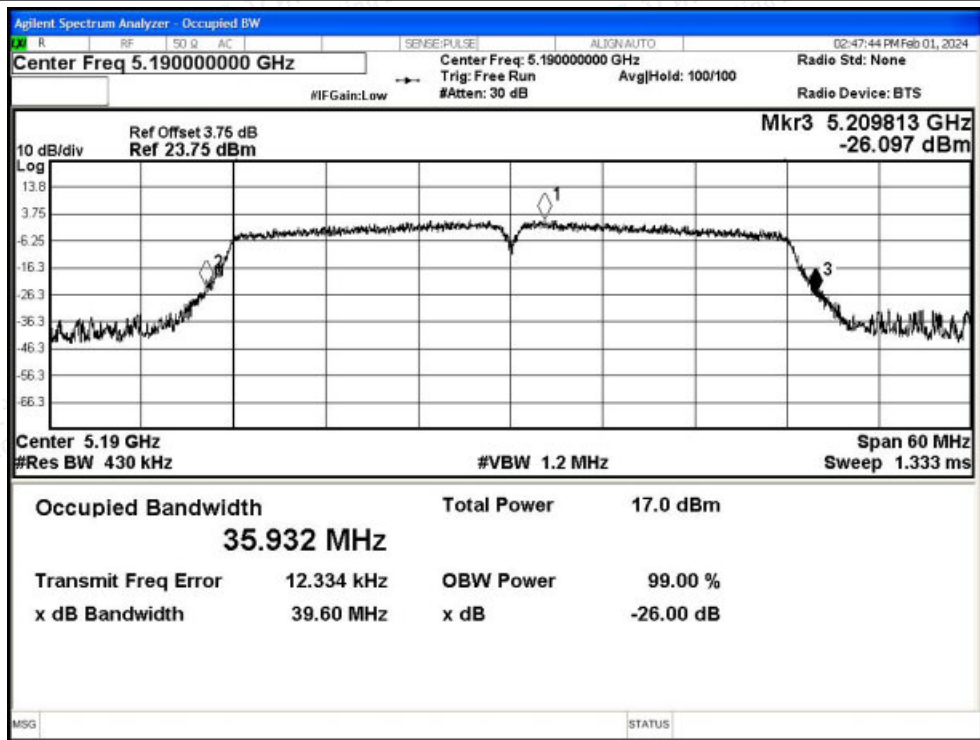


-26dB Bandwidth NVNT n20 5240MHz Ant1

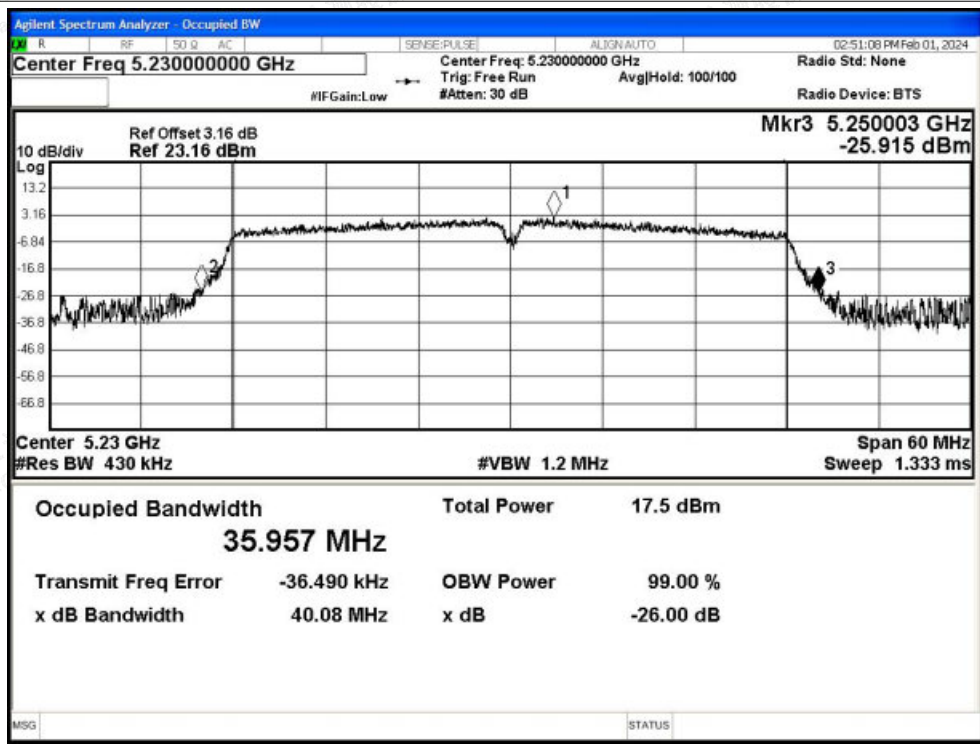




-26dB Bandwidth NVNT n40 5190MHz Ant1

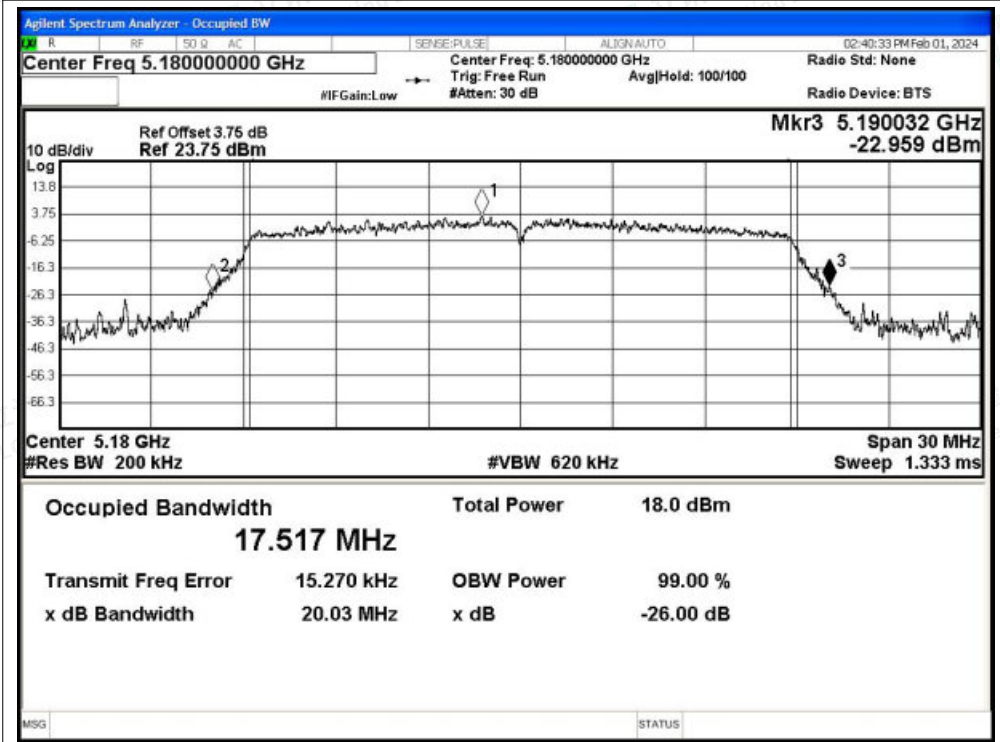


-26dB Bandwidth NVNT n40 5230MHz Ant1

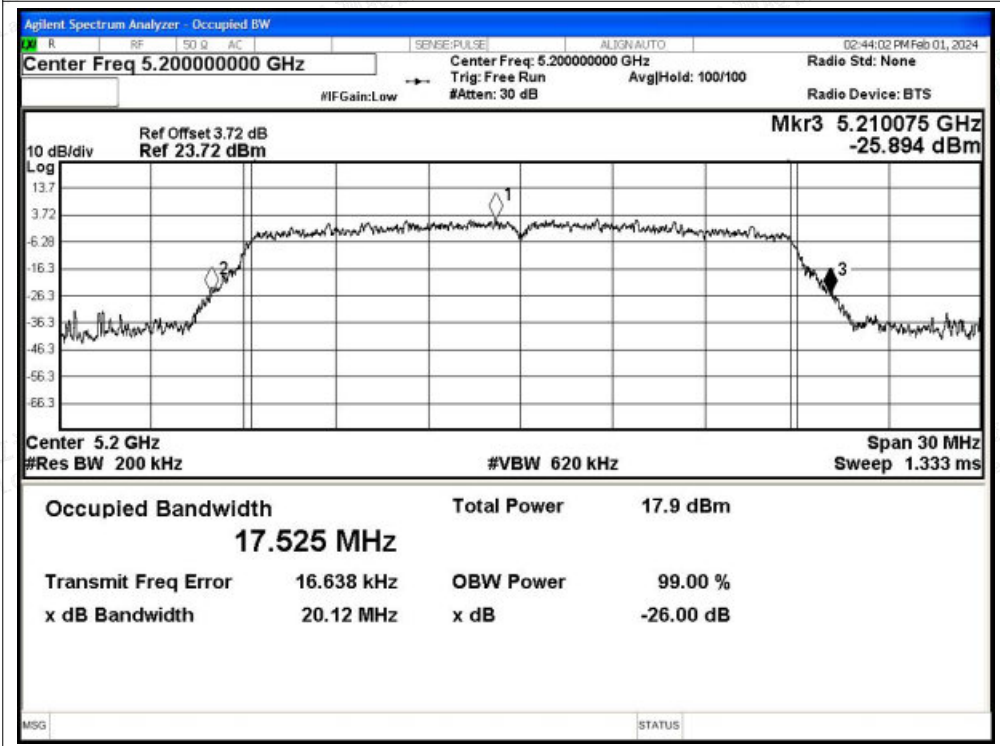




-26dB Bandwidth NVNT ac20 5180MHz Ant1

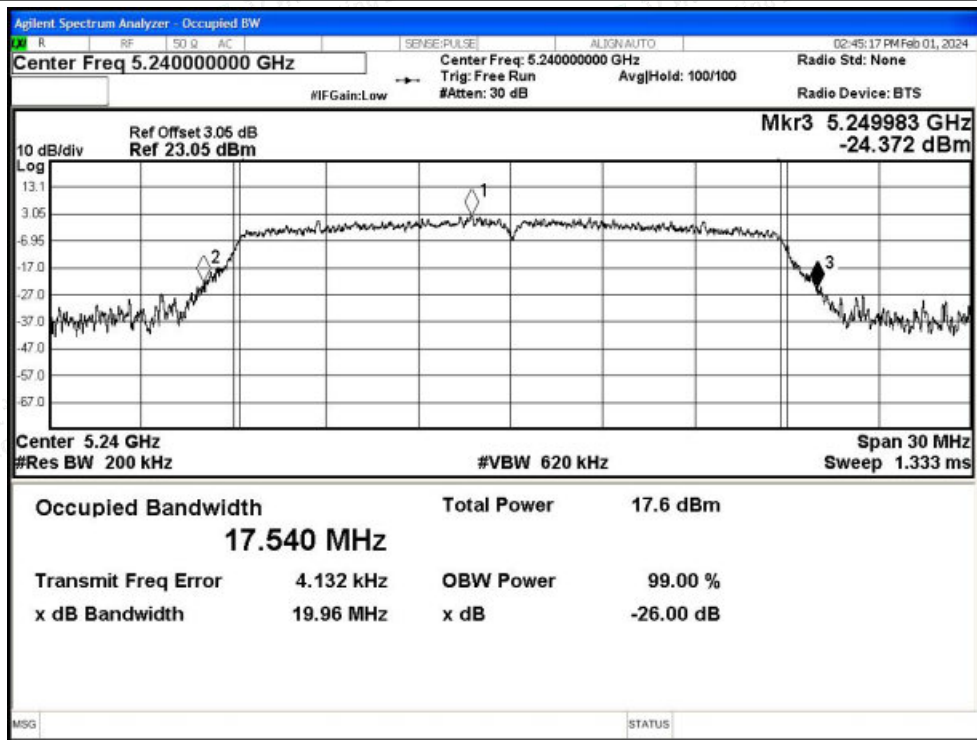


-26dB Bandwidth NVNT ac20 5200MHz Ant1

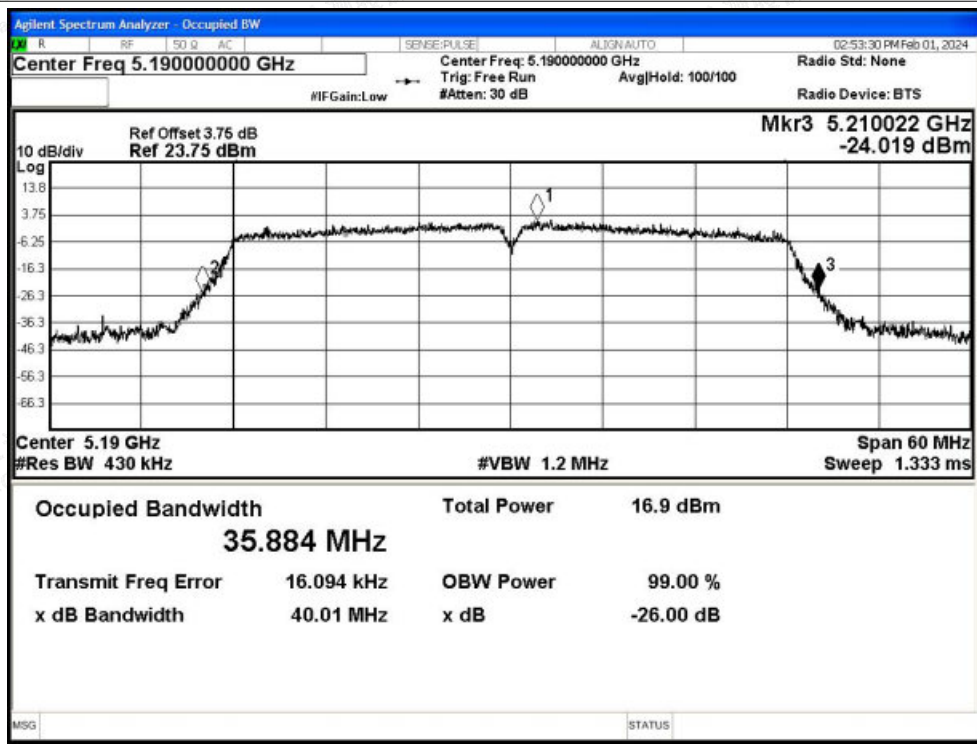




-26dB Bandwidth NVNT ac20 5240MHz Ant1

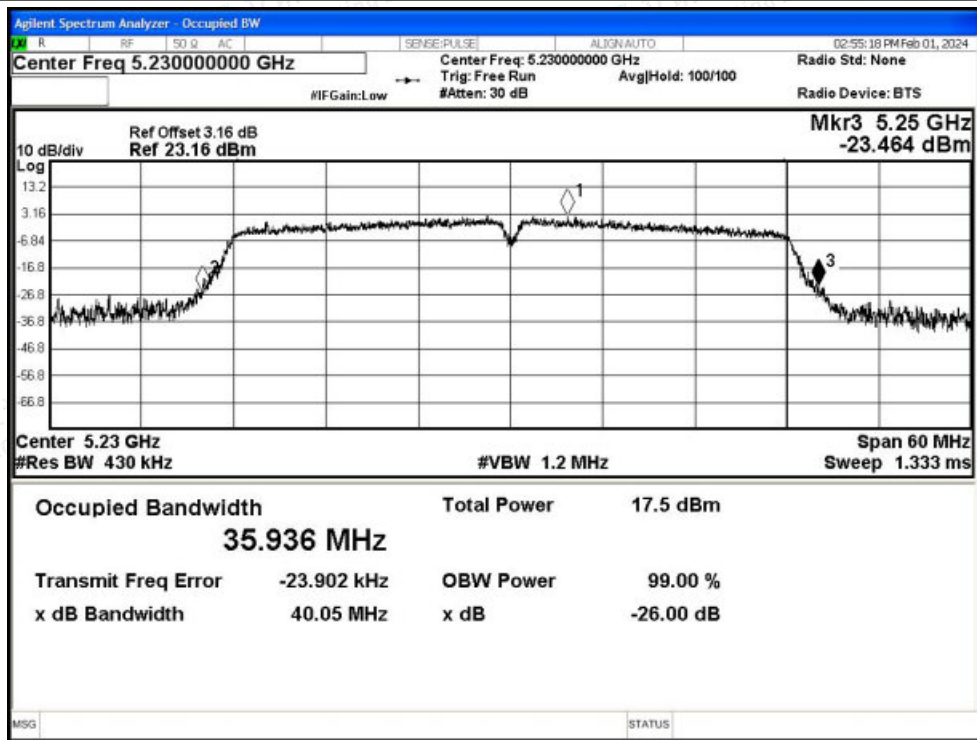


-26dB Bandwidth NVNT ac40 5190MHz Ant1

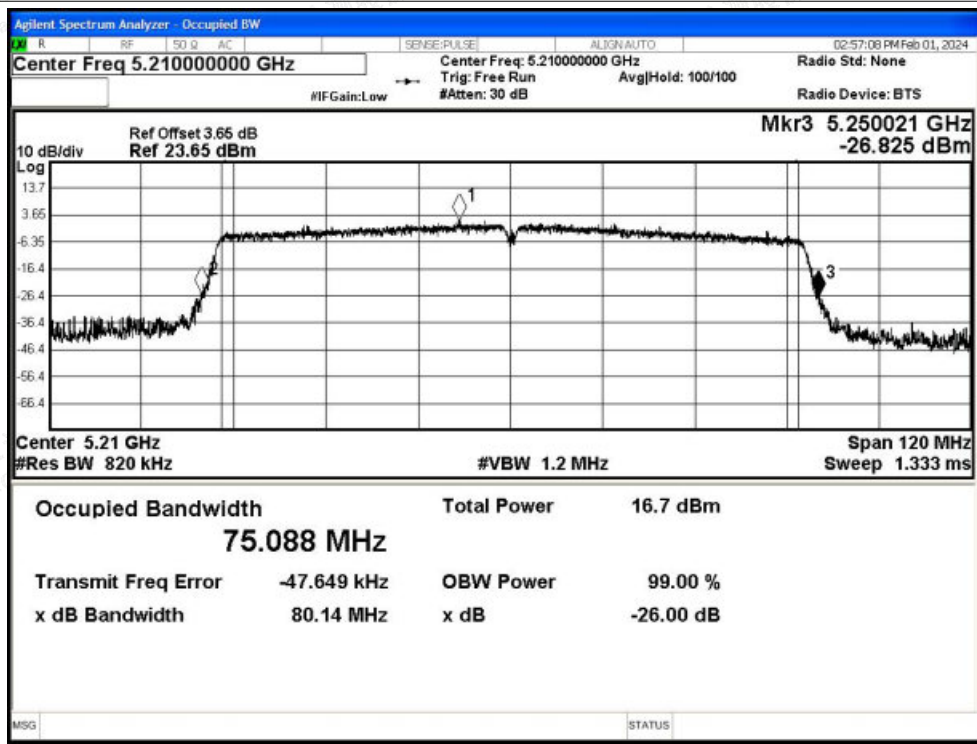




-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1





Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant2	19.589	--	Pass
NVNT	a	5200	Ant2	19.75	--	Pass
NVNT	a	5240	Ant2	19.783	--	Pass
NVNT	n20	5180	Ant2	19.878	--	Pass
NVNT	n20	5200	Ant2	19.87	--	Pass
NVNT	n20	5240	Ant2	24.019	--	Pass
NVNT	n40	5190	Ant2	40.129	--	Pass
NVNT	n40	5230	Ant2	40.657	--	Pass
NVNT	ac20	5180	Ant2	20.232	--	Pass
NVNT	ac20	5200	Ant2	19.822	--	Pass
NVNT	ac20	5240	Ant2	20.023	--	Pass
NVNT	ac40	5190	Ant2	39.967	--	Pass
NVNT	ac40	5230	Ant2	40.265	--	Pass
NVNT	ac80	5210	Ant2	80.019	--	Pass

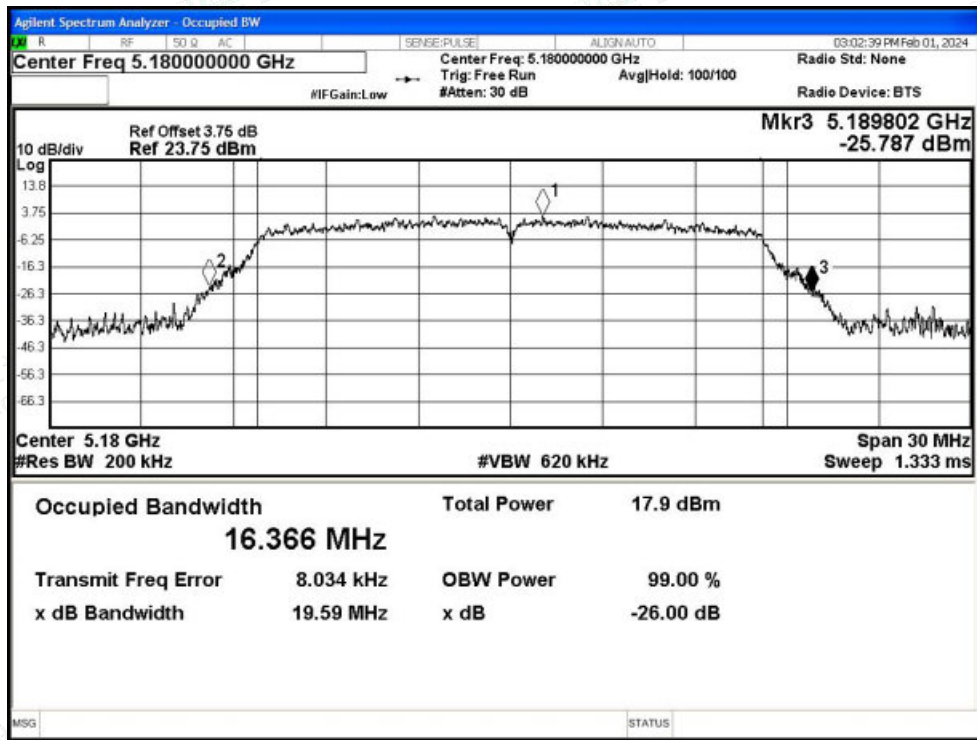


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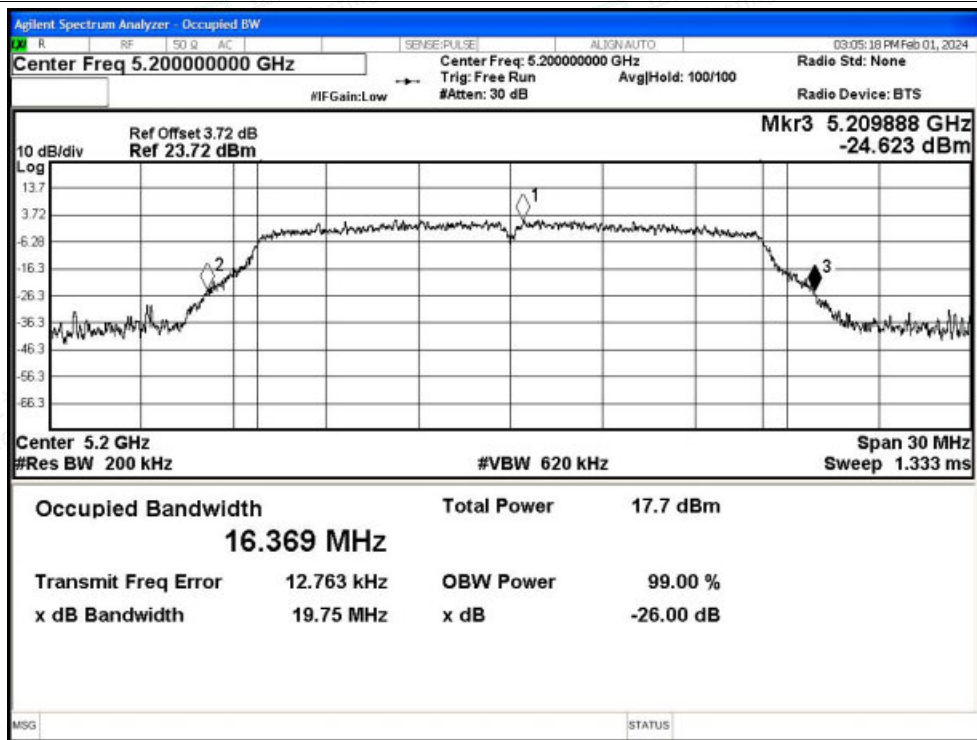


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant2

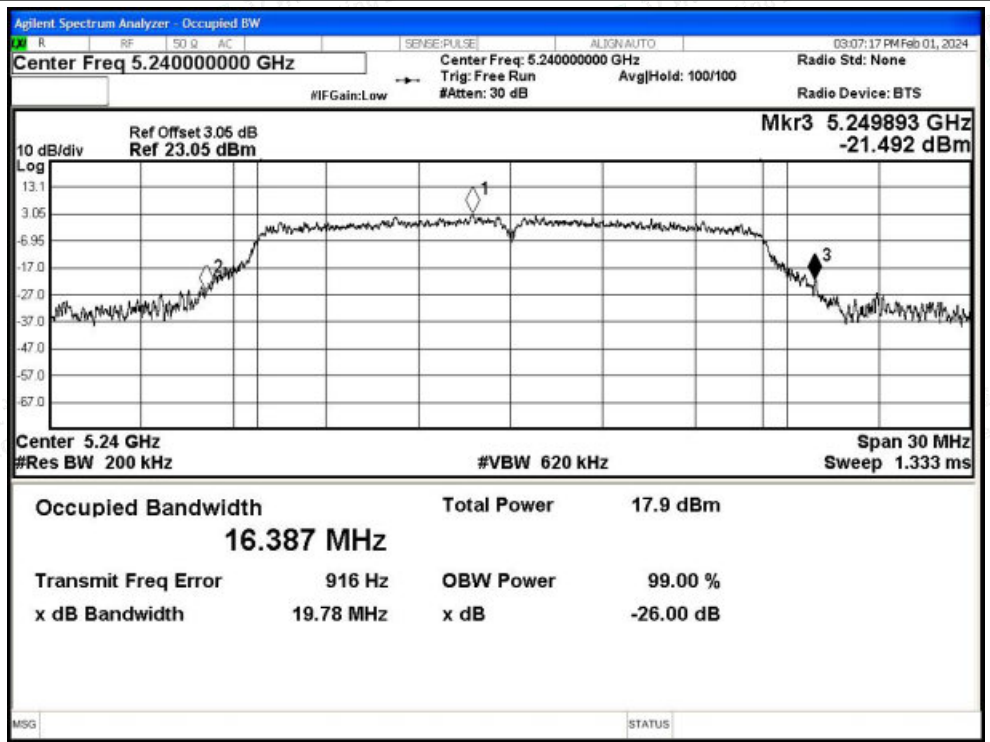


-26dB Bandwidth NVNT a 5200MHz Ant2

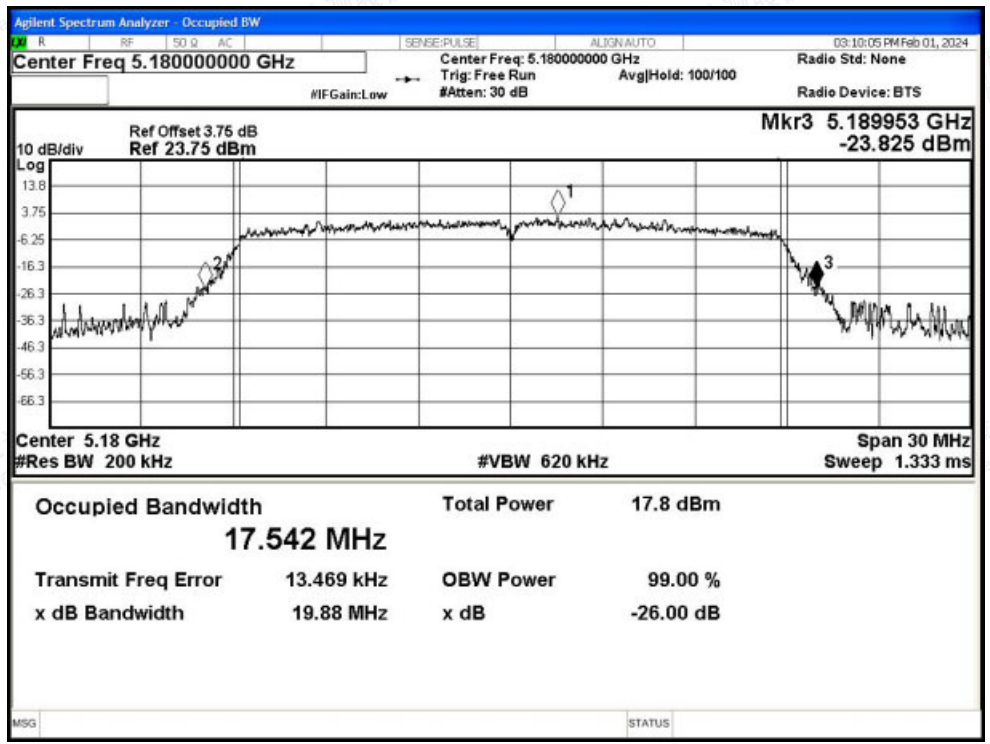




-26dB Bandwidth NVNT a 5240MHz Ant2

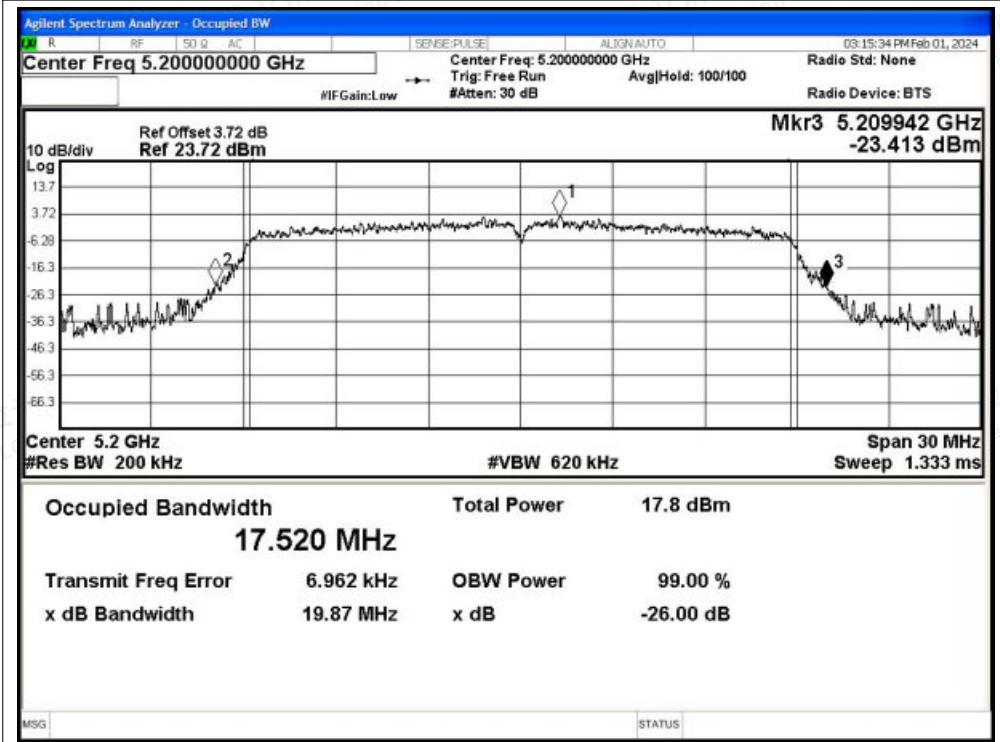


-26dB Bandwidth NVNT n20 5180MHz Ant2

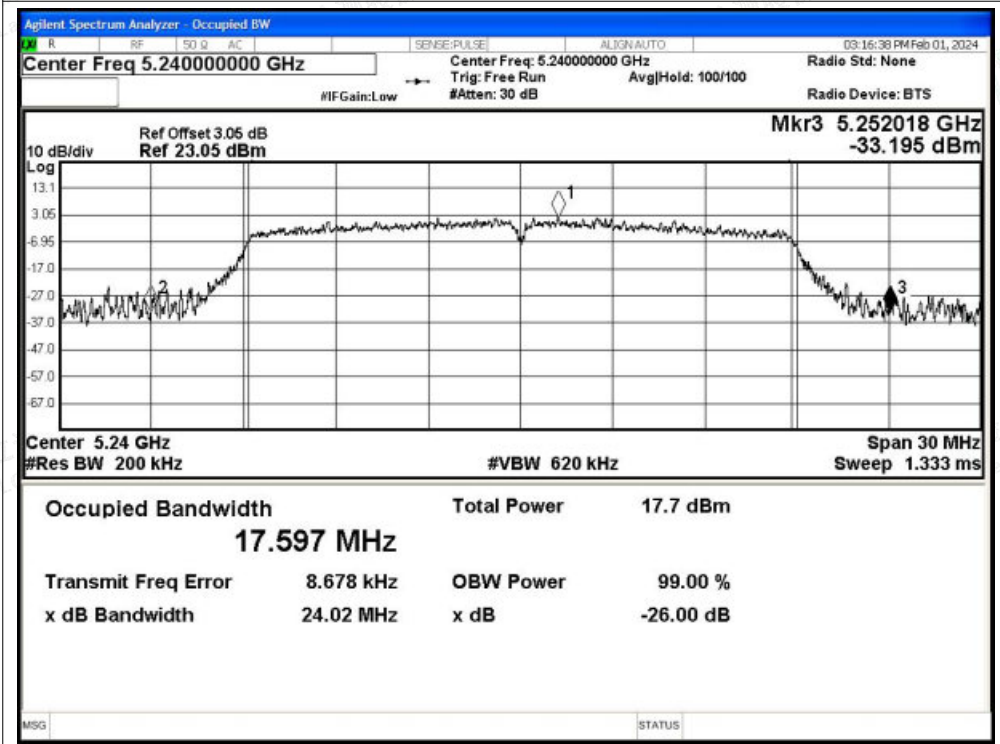




-26dB Bandwidth NVNT n20 5200MHz Ant2

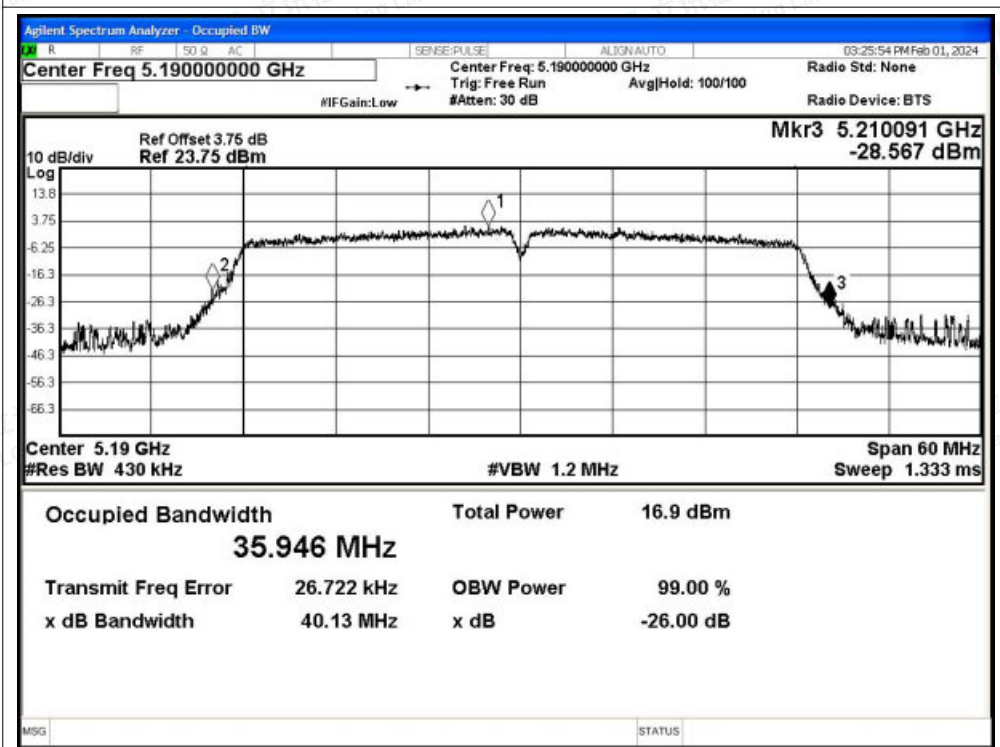


-26dB Bandwidth NVNT n20 5240MHz Ant2

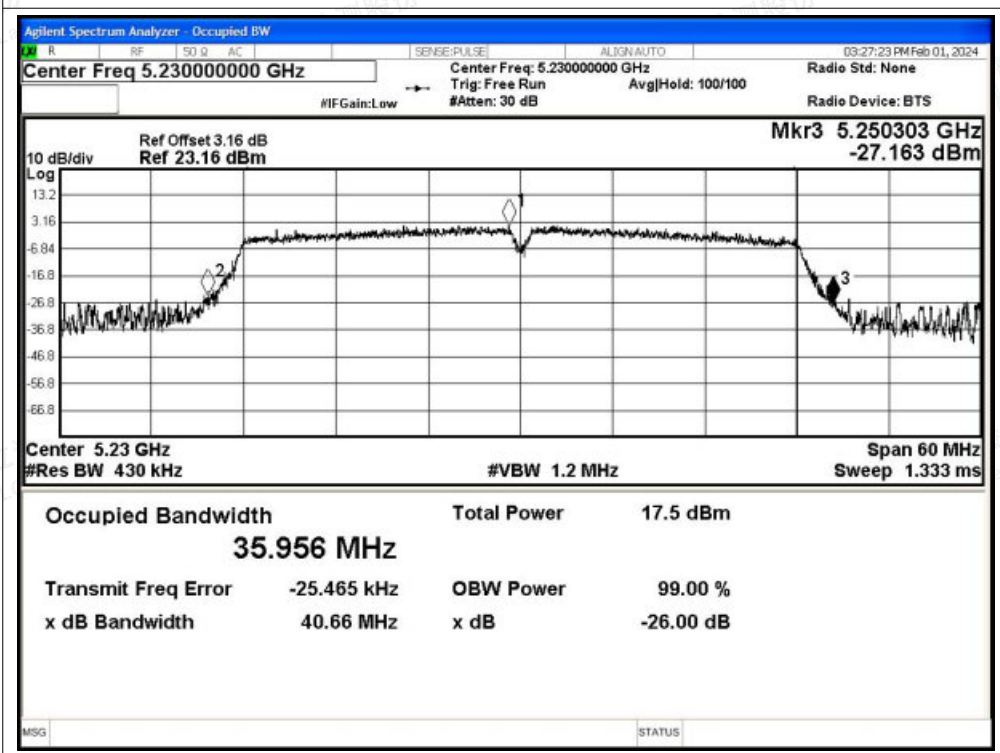




-26dB Bandwidth NVNT n40 5190MHz Ant2

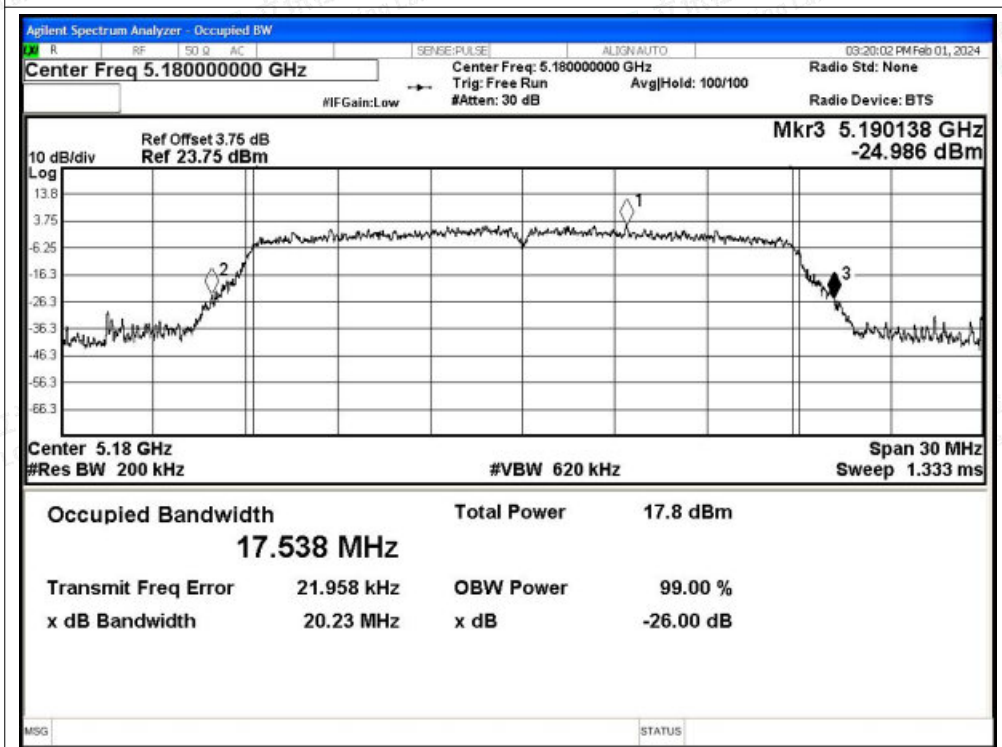


-26dB Bandwidth NVNT n40 5230MHz Ant2

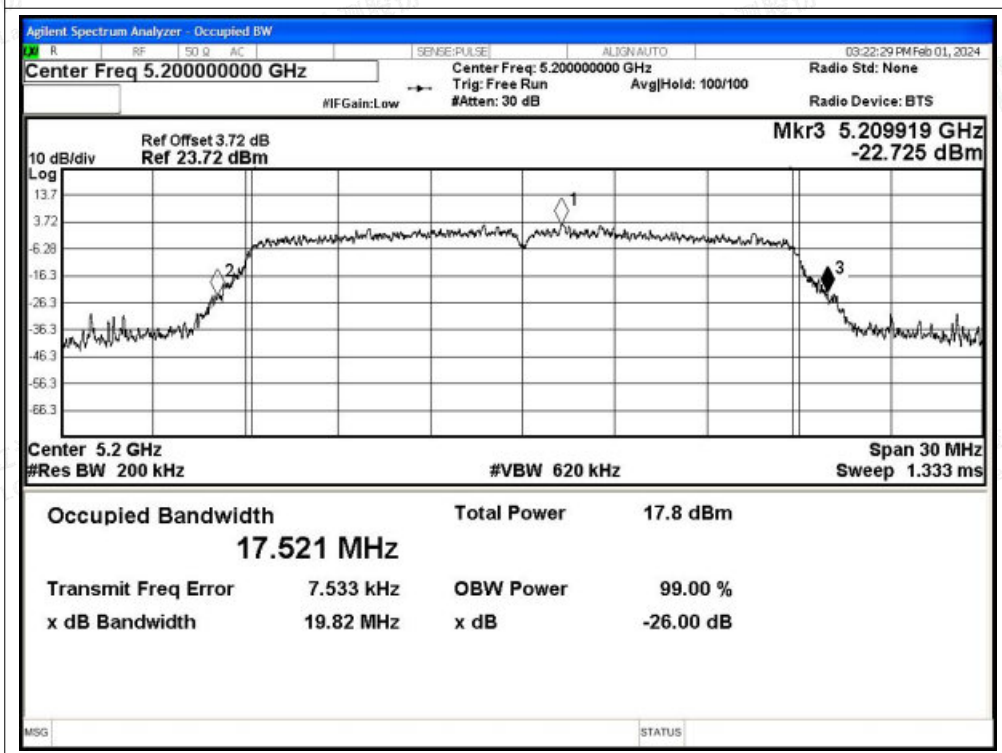




-26dB Bandwidth NVNT ac20 5180MHz Ant2

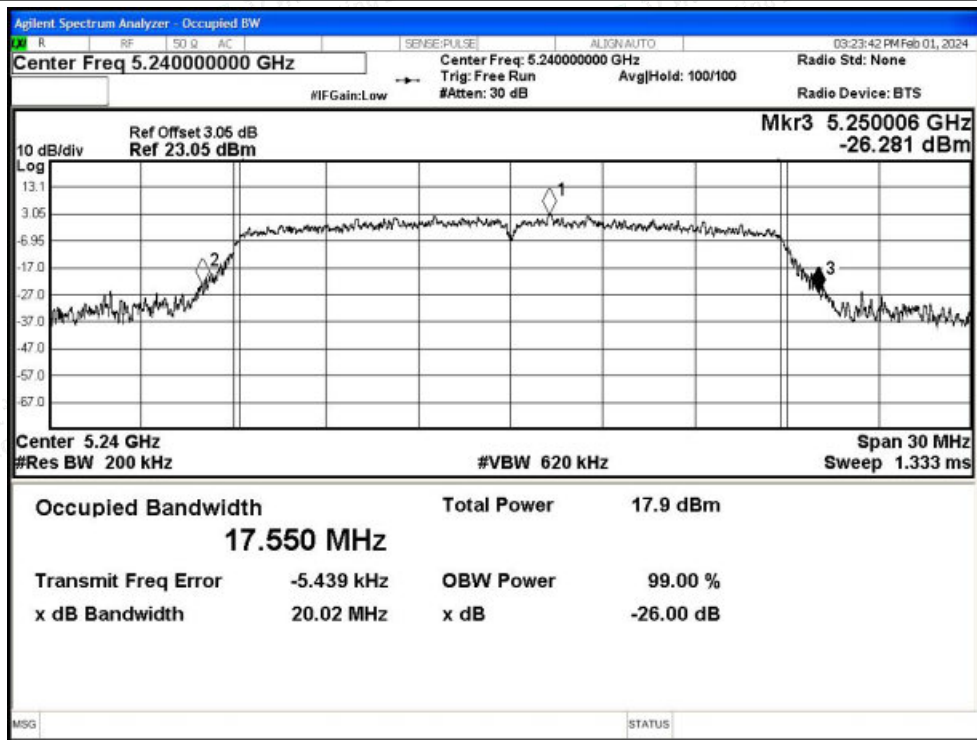


-26dB Bandwidth NVNT ac20 5200MHz Ant2

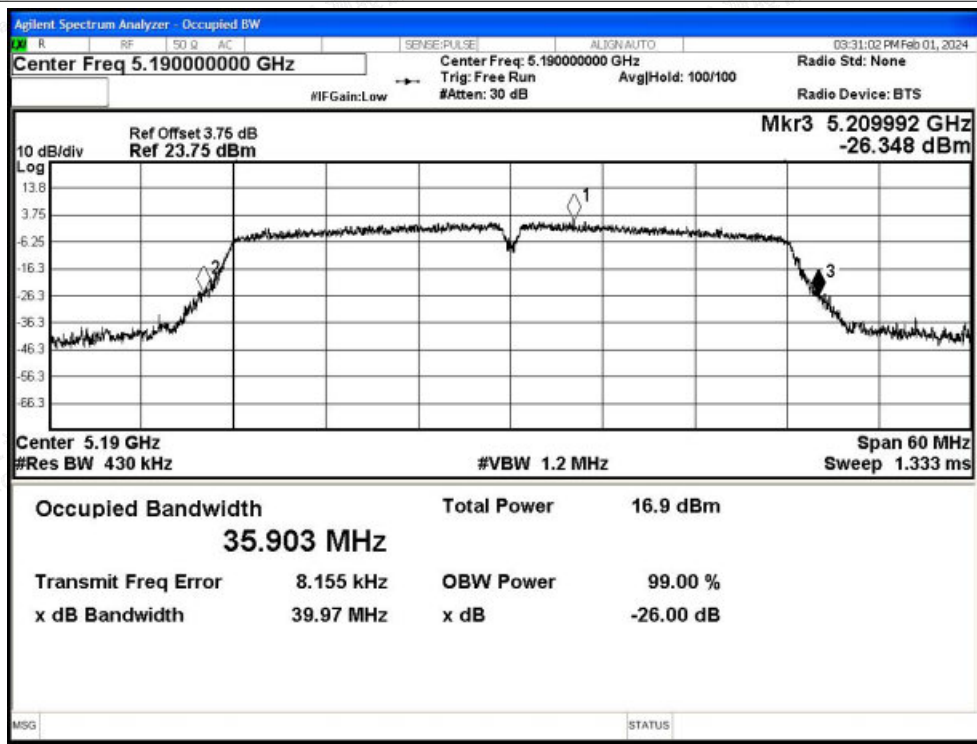




-26dB Bandwidth NVNT ac20 5240MHz Ant2

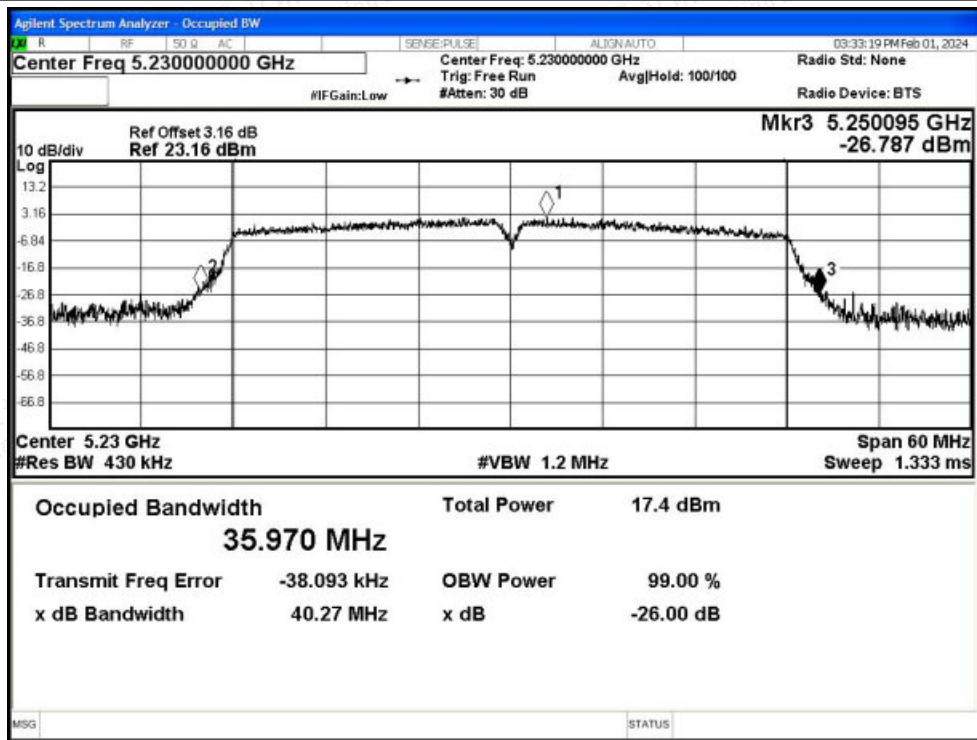


-26dB Bandwidth NVNT ac40 5190MHz Ant2

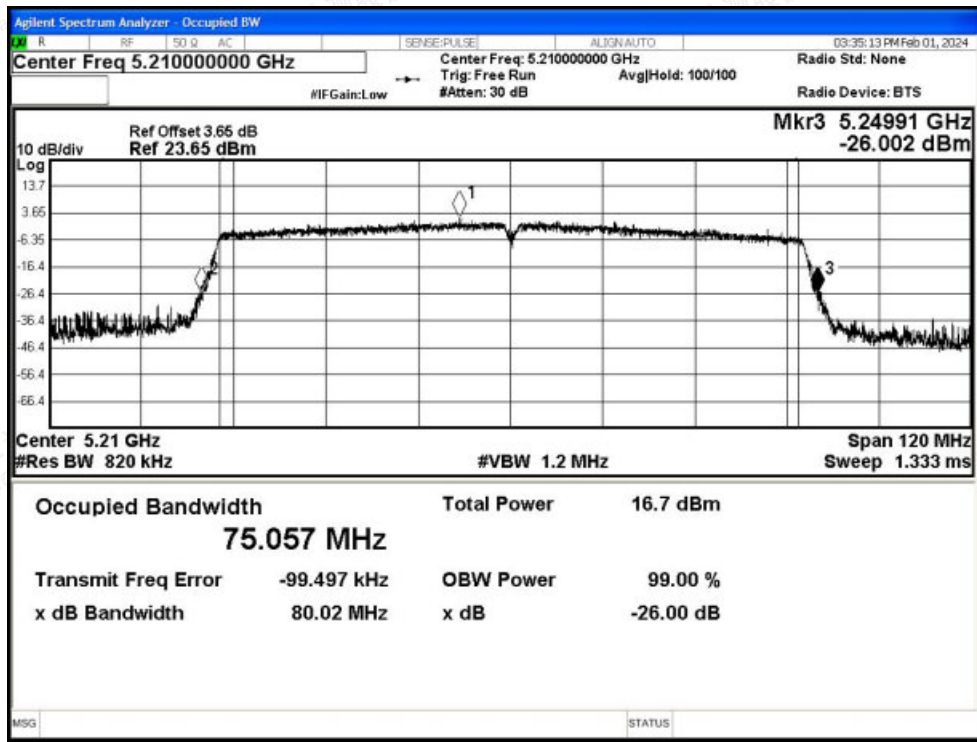




-26dB Bandwidth NVNT ac40 5230MHz Ant2



-26dB Bandwidth NVNT ac80 5210MHz Ant2





D.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	12.3	0.13	12.43	24	Pass
NVNT	a	5200	Ant1	12.16	0.13	12.29	24	Pass
NVNT	a	5240	Ant1	12.11	0.13	12.24	24	Pass
NVNT	n20	5180	Ant1	12.16	0.15	12.31	24	Pass
NVNT	n20	5200	Ant1	12.14	0.15	12.29	24	Pass
NVNT	n20	5240	Ant1	12.13	0.14	12.27	24	Pass
NVNT	n40	5190	Ant1	11.06	0.28	11.34	24	Pass
NVNT	n40	5230	Ant1	11.66	0.29	11.95	24	Pass
NVNT	ac20	5180	Ant1	12.34	0.15	12.49	24	Pass
NVNT	ac20	5200	Ant1	12.18	0.14	12.32	24	Pass
NVNT	ac20	5240	Ant1	12.1	0.14	12.24	24	Pass
NVNT	ac40	5190	Ant1	11.15	0.28	11.43	24	Pass
NVNT	ac40	5230	Ant1	11.63	0.28	11.91	24	Pass
NVNT	ac80	5210	Ant1	9.84	0.55	10.39	24	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant2	12.29	0.13	12.42	24	Pass
NVNT	a	5200	Ant2	12.18	0.13	12.31	24	Pass
NVNT	a	5240	Ant2	12.25	0.13	12.38	24	Pass
NVNT	n20	5180	Ant2	12.24	0.14	12.38	24	Pass
NVNT	n20	5200	Ant2	12.1	0.15	12.25	24	Pass
NVNT	n20	5240	Ant2	11.94	0.14	12.08	24	Pass
NVNT	n40	5190	Ant2	11.1	0.29	11.39	24	Pass
NVNT	n40	5230	Ant2	11.6	0.28	11.88	24	Pass
NVNT	ac20	5180	Ant2	12.17	0.14	12.31	24	Pass
NVNT	ac20	5200	Ant2	12.03	0.14	12.17	24	Pass
NVNT	ac20	5240	Ant2	12.02	0.14	12.16	24	Pass
NVNT	ac40	5190	Ant2	10.98	0.28	11.26	24	Pass
NVNT	ac40	5230	Ant2	11.45	0.28	11.73	24	Pass
NVNT	ac80	5210	Ant2	9.76	0.55	10.31	24	Pass



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MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5180	12.31	12.38	15.36	24	Pass
NVNT	n20	5200	12.29	12.25	15.28	24	Pass
NVNT	n20	5240	12.27	12.08	15.19	24	Pass
NVNT	n40	5190	11.34	11.39	14.38	24	Pass
NVNT	n40	5230	11.95	11.88	14.93	24	Pass
NVNT	ac20	5180	12.49	12.31	15.41	24	Pass
NVNT	ac20	5200	12.32	12.17	15.26	24	Pass
NVNT	ac20	5240	12.24	12.16	15.21	24	Pass
NVNT	ac40	5190	11.43	11.26	14.36	24	Pass
NVNT	ac40	5230	11.91	11.73	14.83	24	Pass
NVNT	ac80	5210	10.39	10.31	13.36	24	Pass



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D.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/500KHz)	Duty Factor (dB)	Total PSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
NVNT	a	5180	Ant1	2.58	0.13	2.71	11	Pass
NVNT	a	5200	Ant1	2.72	0.13	2.85	11	Pass
NVNT	a	5240	Ant1	2.66	0.13	2.79	11	Pass
NVNT	n20	5180	Ant1	2.59	0.15	2.74	11	Pass
NVNT	n20	5200	Ant1	2.42	0.15	2.57	11	Pass
NVNT	n20	5240	Ant1	2.3	0.14	2.44	11	Pass
NVNT	n40	5190	Ant1	-1.65	0.28	-1.37	11	Pass
NVNT	n40	5230	Ant1	-1.4	0.29	-1.11	11	Pass
NVNT	ac20	5180	Ant1	2.44	0.15	2.59	11	Pass
NVNT	ac20	5200	Ant1	2.23	0.14	2.37	11	Pass
NVNT	ac20	5240	Ant1	2.22	0.14	2.36	11	Pass
NVNT	ac40	5190	Ant1	-1.62	0.28	-1.34	11	Pass
NVNT	ac40	5230	Ant1	-1.23	0.28	-0.95	11	Pass
NVNT	ac80	5210	Ant1	-5.33	0.55	-4.78	11	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant2	2.65	0.13	2.78	11	Pass
NVNT	a	5200	Ant2	2.56	0.13	2.69	11	Pass
NVNT	a	5240	Ant2	2.72	0.13	2.85	11	Pass
NVNT	n20	5180	Ant2	2.36	0.14	2.5	11	Pass
NVNT	n20	5200	Ant2	2.33	0.15	2.48	11	Pass
NVNT	n20	5240	Ant2	2.53	0.14	2.67	11	Pass
NVNT	n40	5190	Ant2	-1.77	0.29	-1.48	11	Pass
NVNT	n40	5230	Ant2	-0.65	0.28	-0.37	11	Pass
NVNT	ac20	5180	Ant2	2.54	0.14	2.68	11	Pass
NVNT	ac20	5200	Ant2	2.17	0.14	2.31	11	Pass
NVNT	ac20	5240	Ant2	2.19	0.14	2.33	11	Pass
NVNT	ac40	5190	Ant2	-1.79	0.28	-1.51	11	Pass
NVNT	ac40	5230	Ant2	-1.37	0.28	-1.09	11	Pass
NVNT	ac80	5210	Ant2	-5.4	0.55	-4.85	11	Pass





MIMO

Condition	Mode	Frequency (MHz)	Total PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5180	2.74	2.5	5.63	11	Pass
NVNT	n20	5200	2.57	2.48	5.54	11	Pass
NVNT	n20	5240	2.44	2.67	5.57	11	Pass
NVNT	n40	5190	-1.37	-1.48	1.59	11	Pass
NVNT	n40	5230	-1.11	-0.37	2.29	11	Pass
NVNT	ac20	5180	2.59	2.68	5.65	11	Pass
NVNT	ac20	5200	2.37	2.31	5.35	11	Pass
NVNT	ac20	5240	2.36	2.33	5.36	11	Pass
NVNT	ac40	5190	-1.34	-1.51	1.59	11	Pass
NVNT	ac40	5230	-0.95	-1.09	1.99	11	Pass
NVNT	ac80	5210	-4.78	-4.85	-1.80	11	Pass

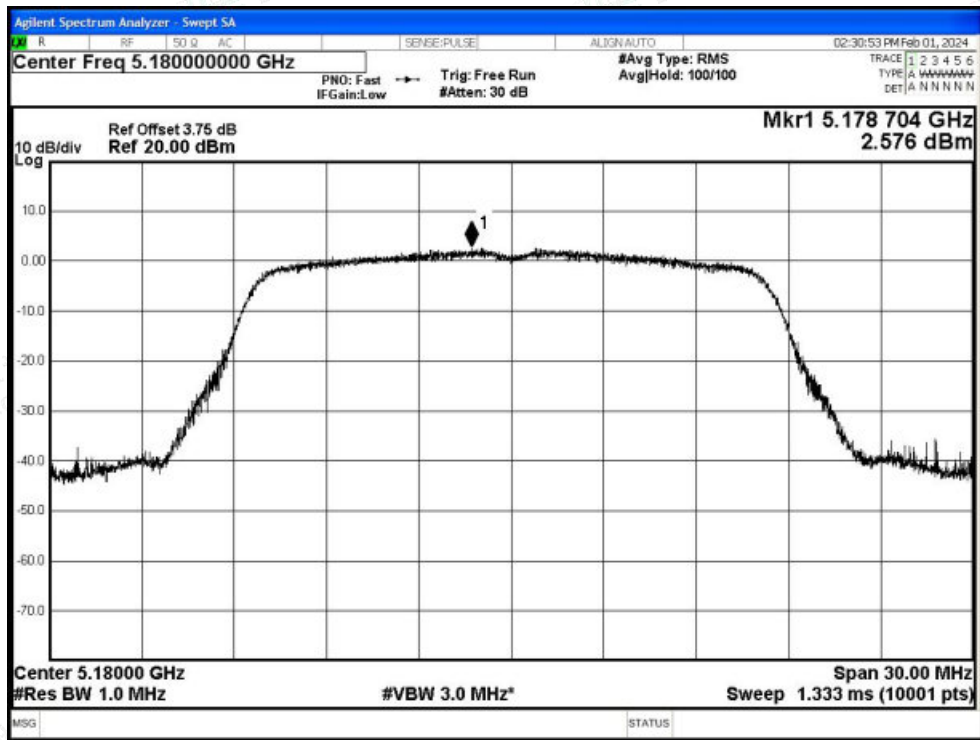


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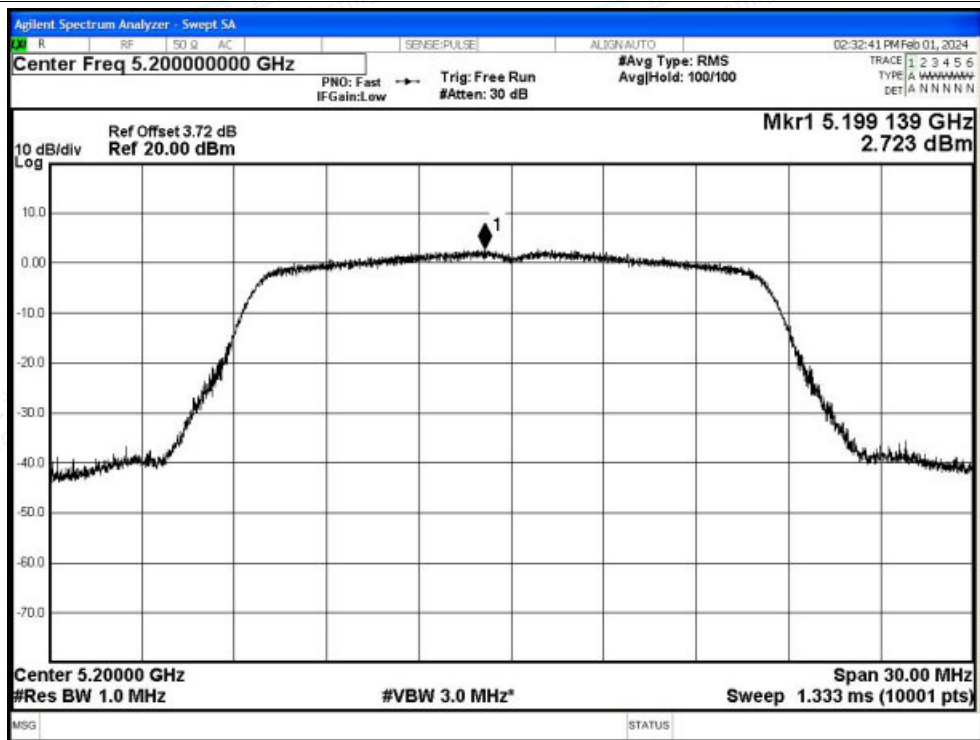


Test Graphs

PSD NVNT a 5180MHz Ant1

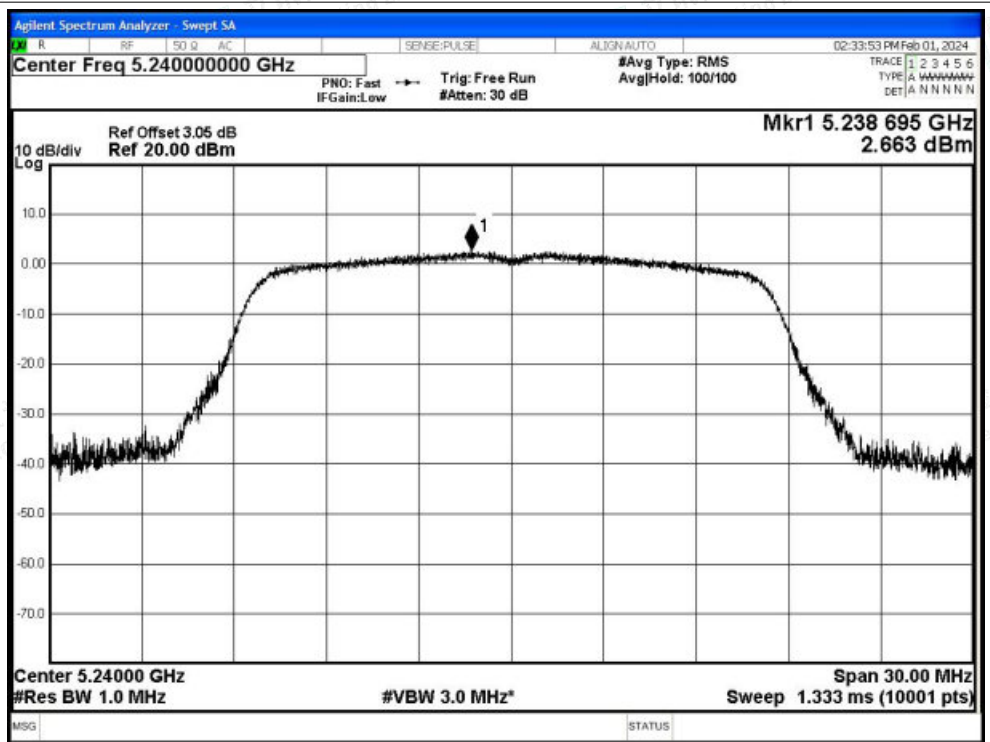


PSD NVNT a 5200MHz Ant1

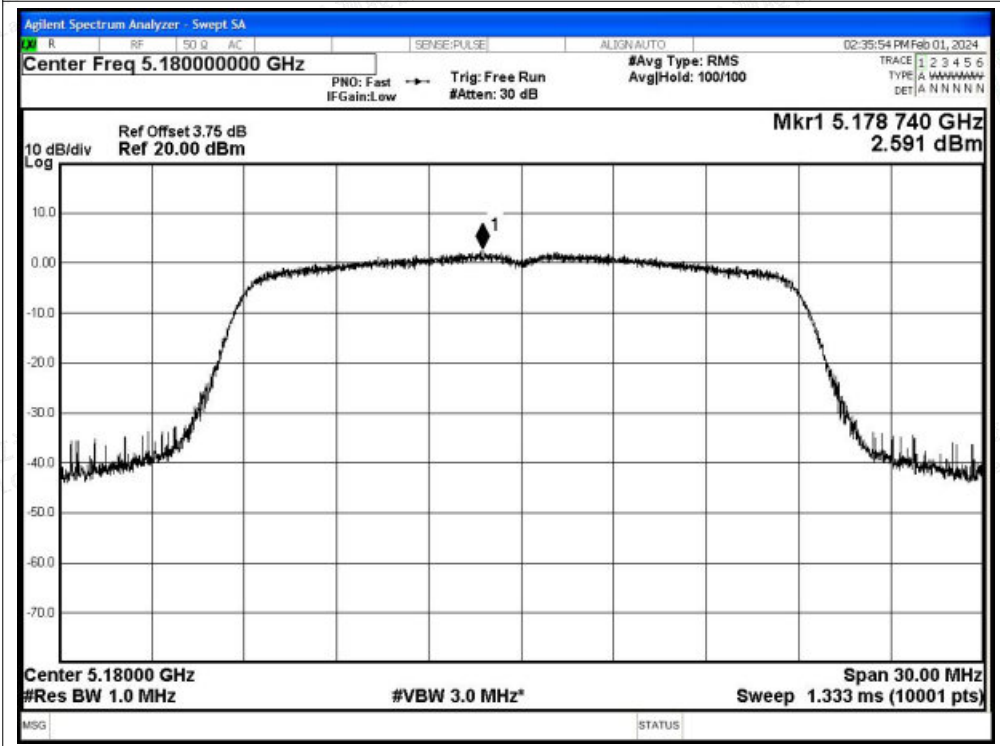




PSD NVNT a 5240MHz Ant1

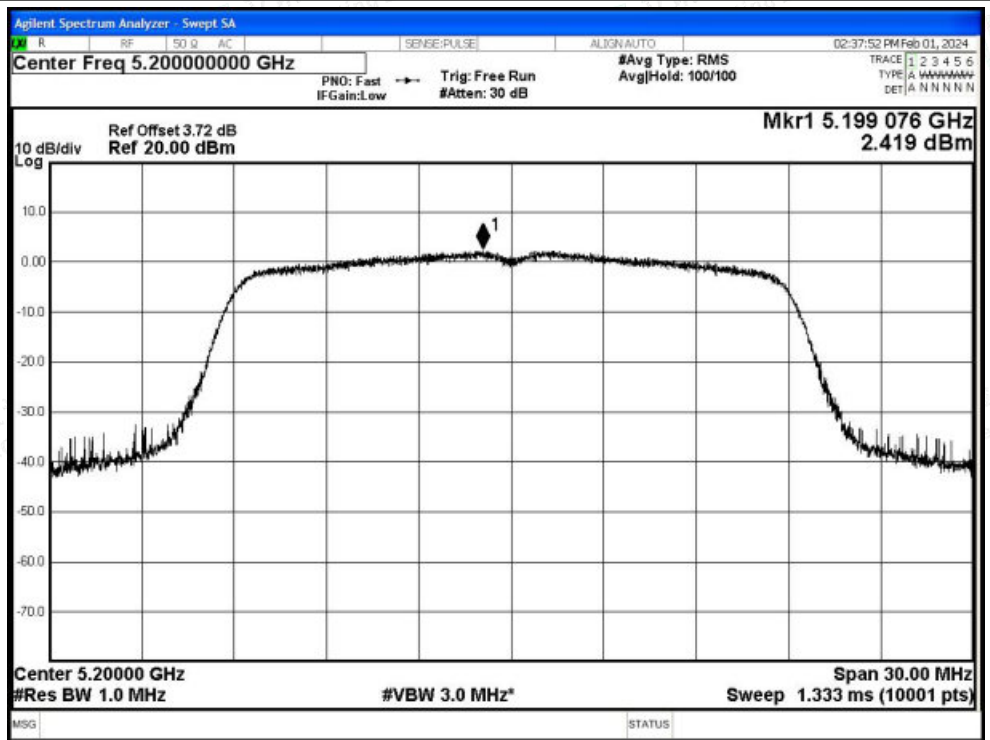


PSD NVNT n20 5180MHz Ant1

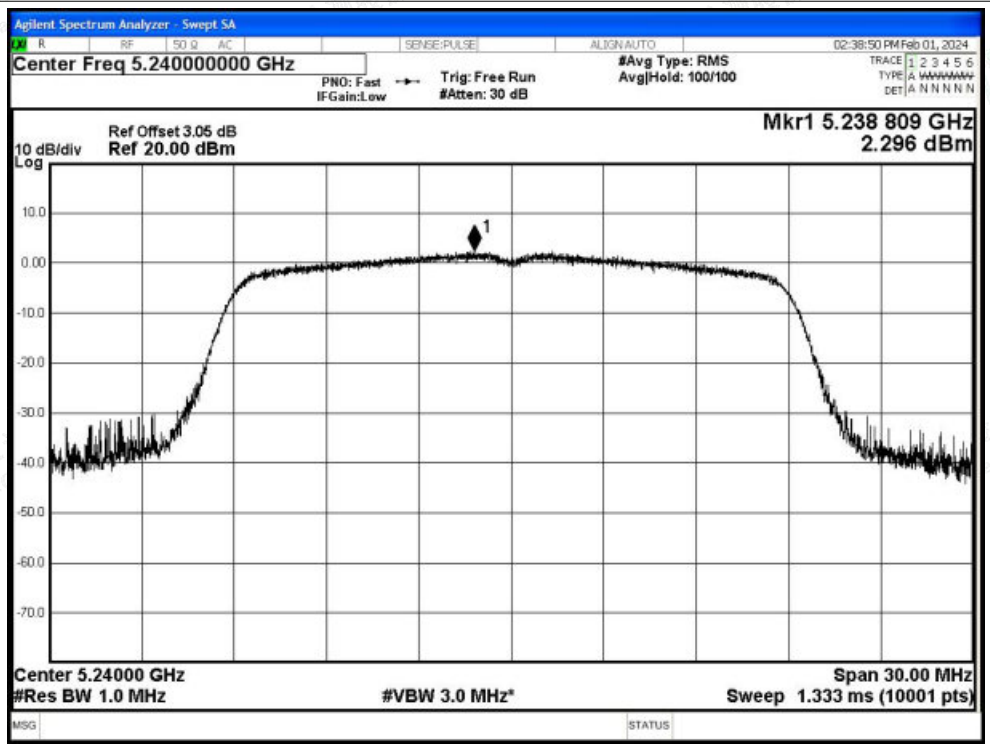




PSD NVNT n20 5200MHz Ant1

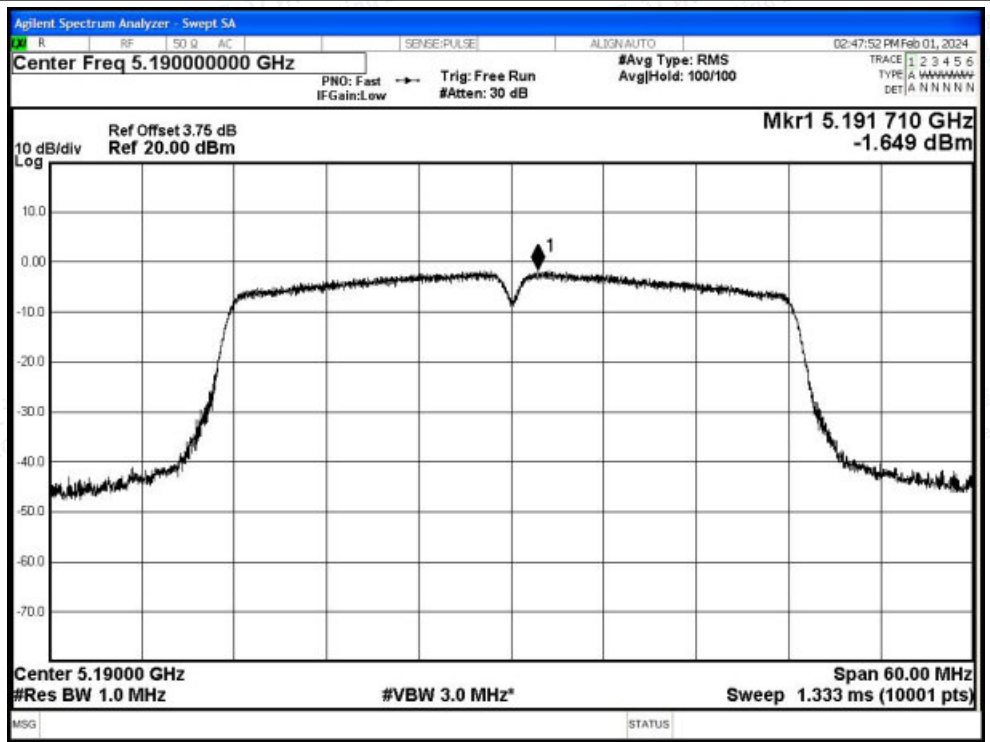


PSD NVNT n20 5240MHz Ant1

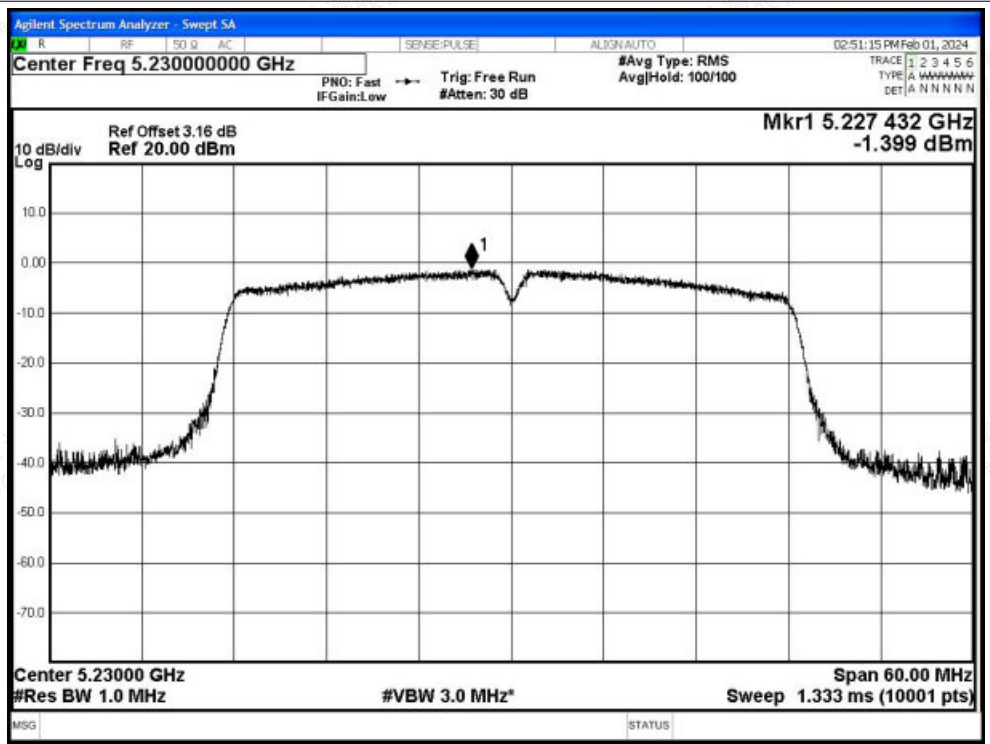


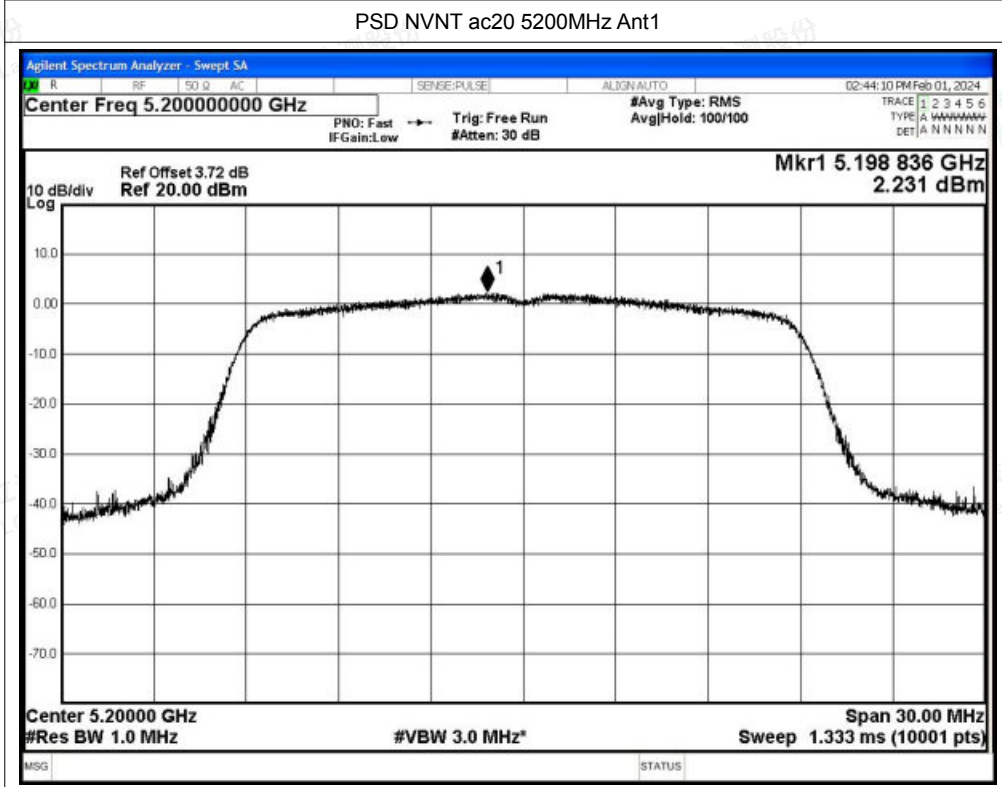
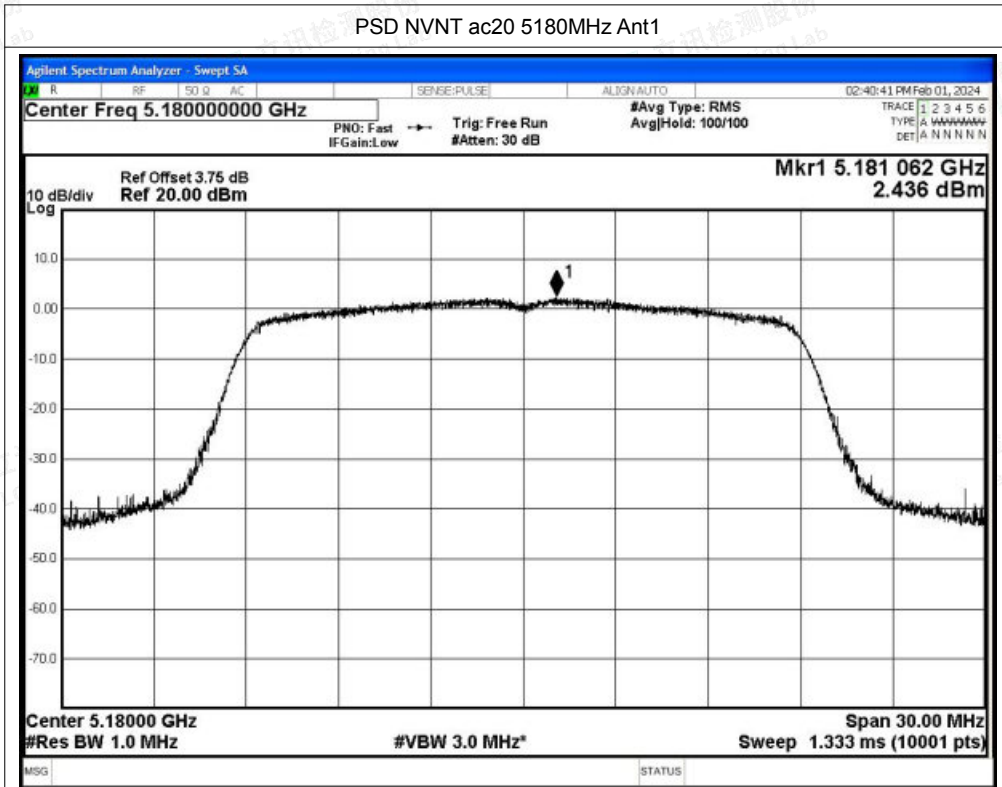


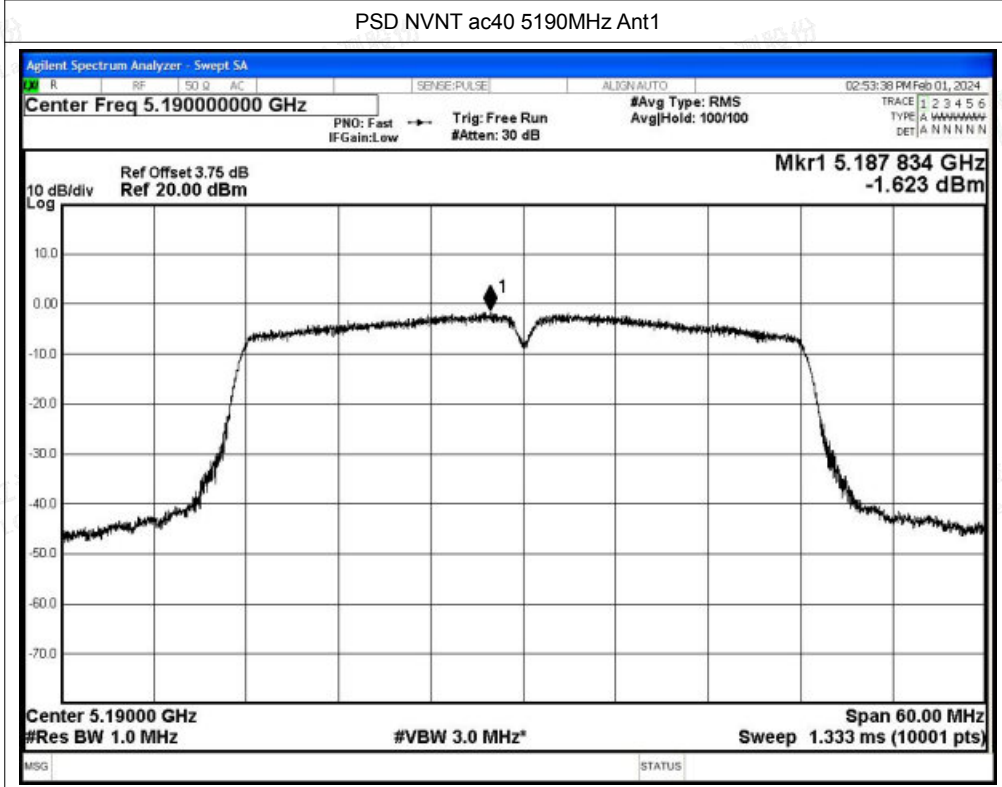
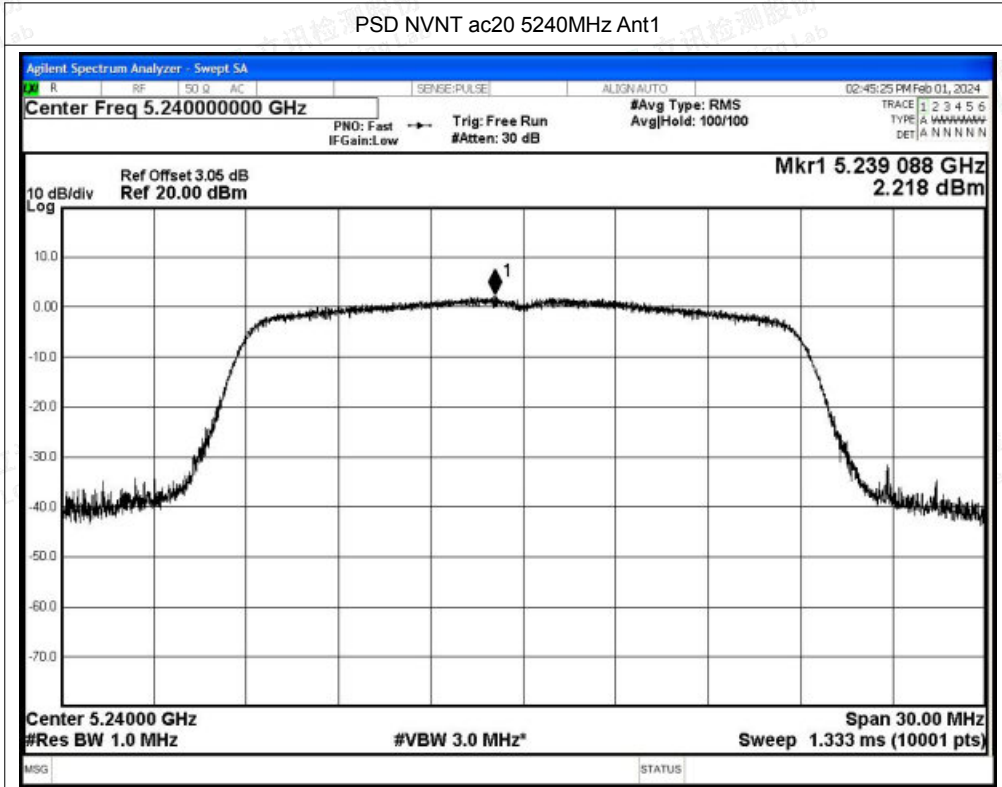
PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1

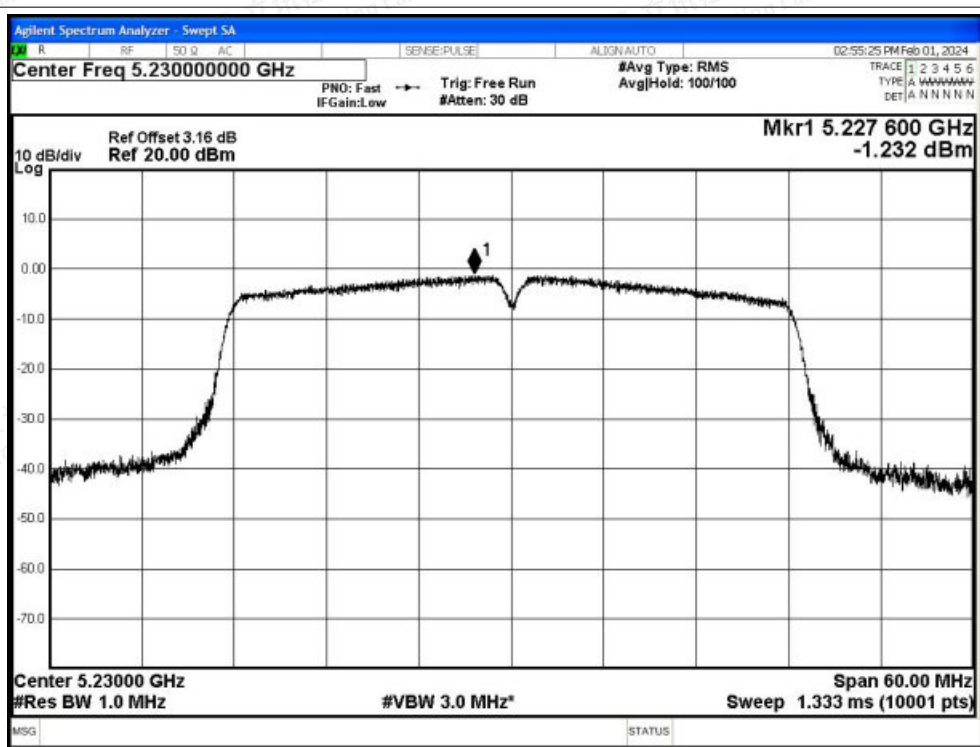




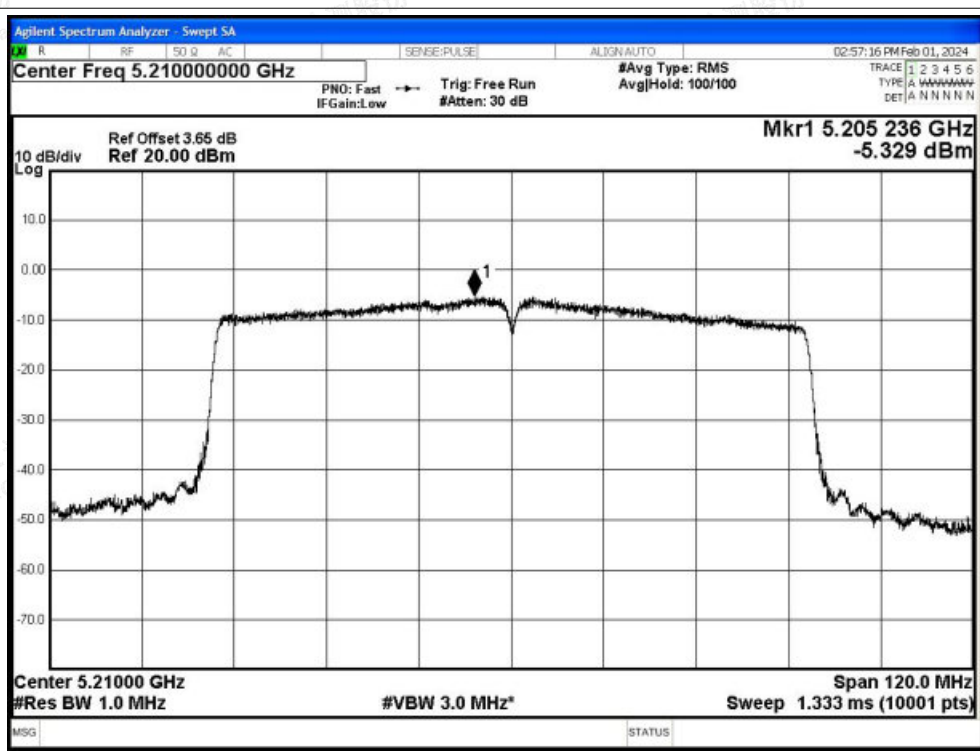




PSD NVNT ac40 5230MHz Ant1



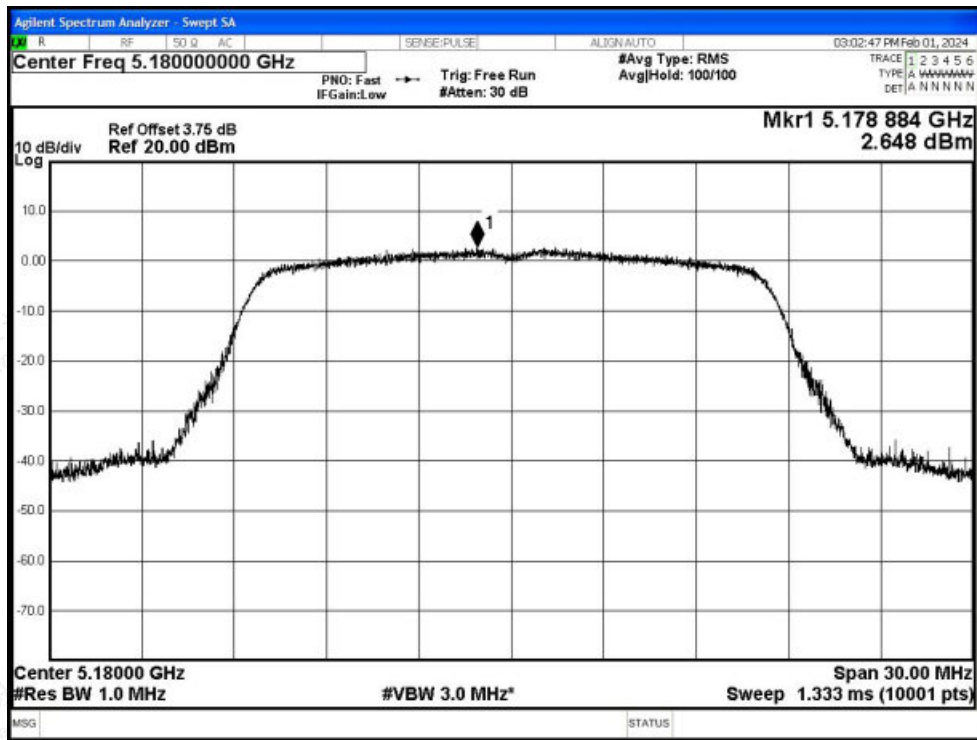
PSD NVNT ac80 5210MHz Ant1



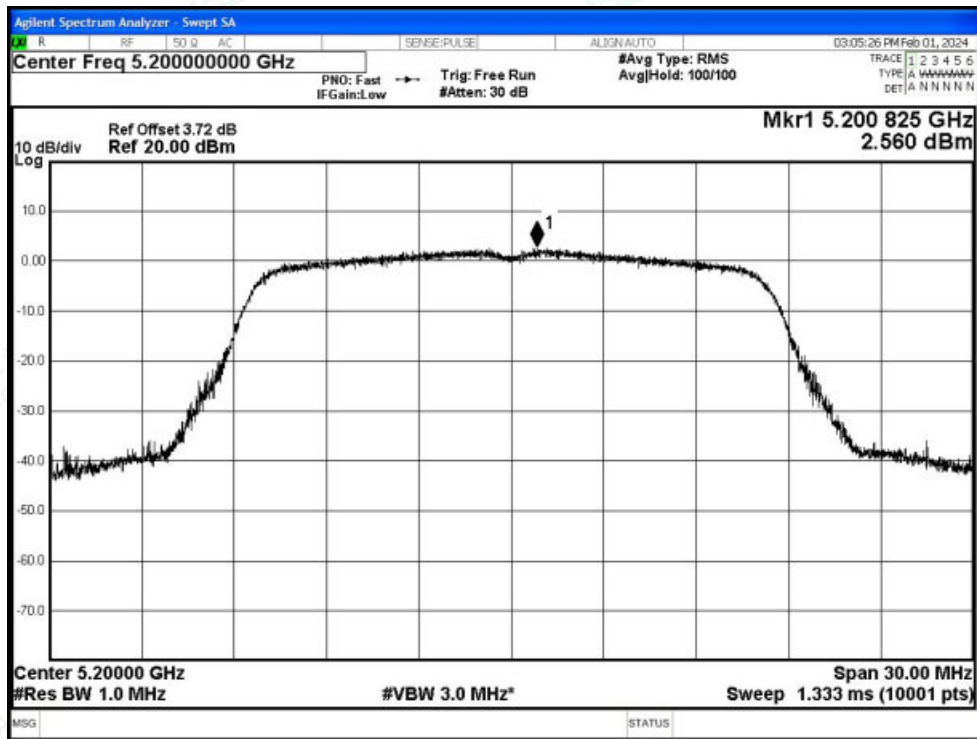


Test Graphs

PSD NVNT a 5180MHz Ant2

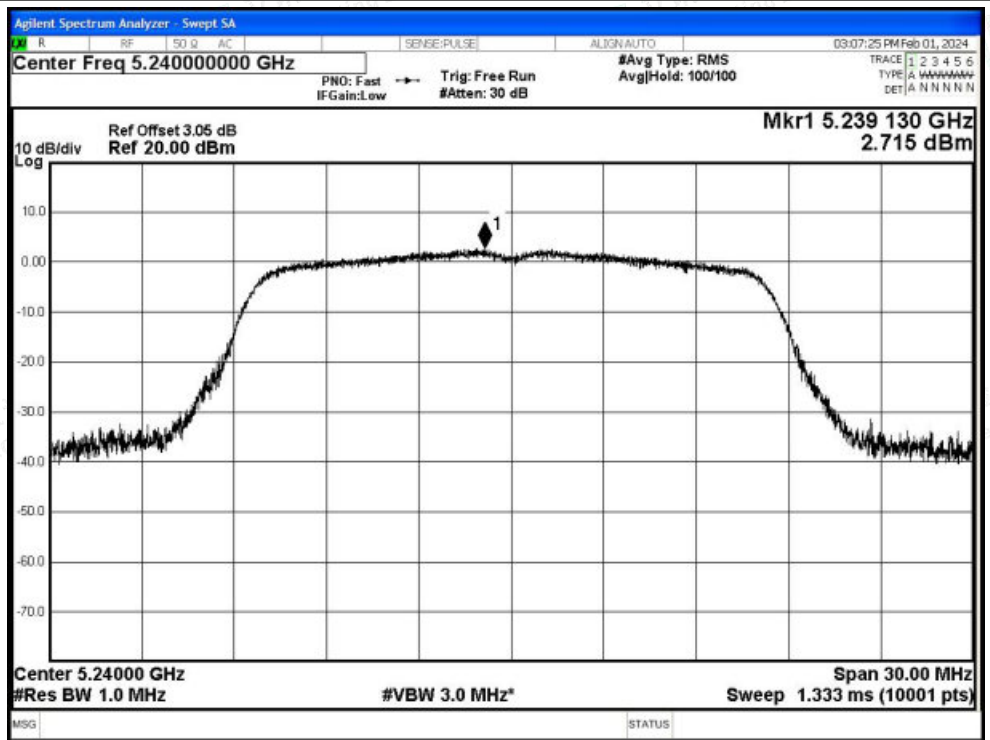


PSD NVNT a 5200MHz Ant2

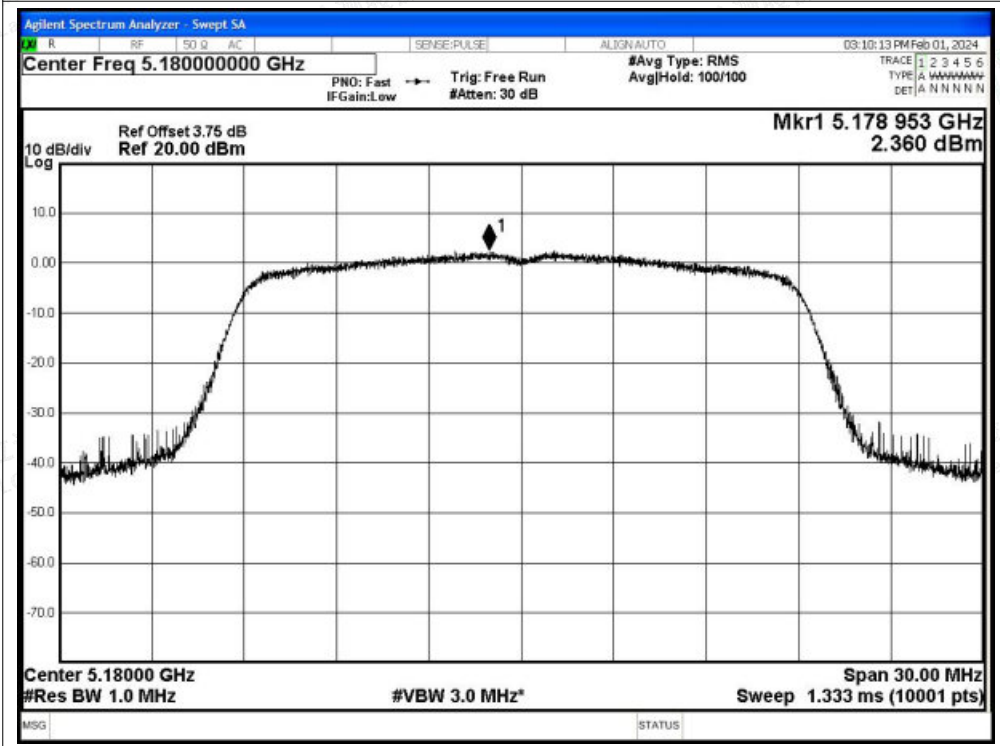




PSD NVNT a 5240MHz Ant2

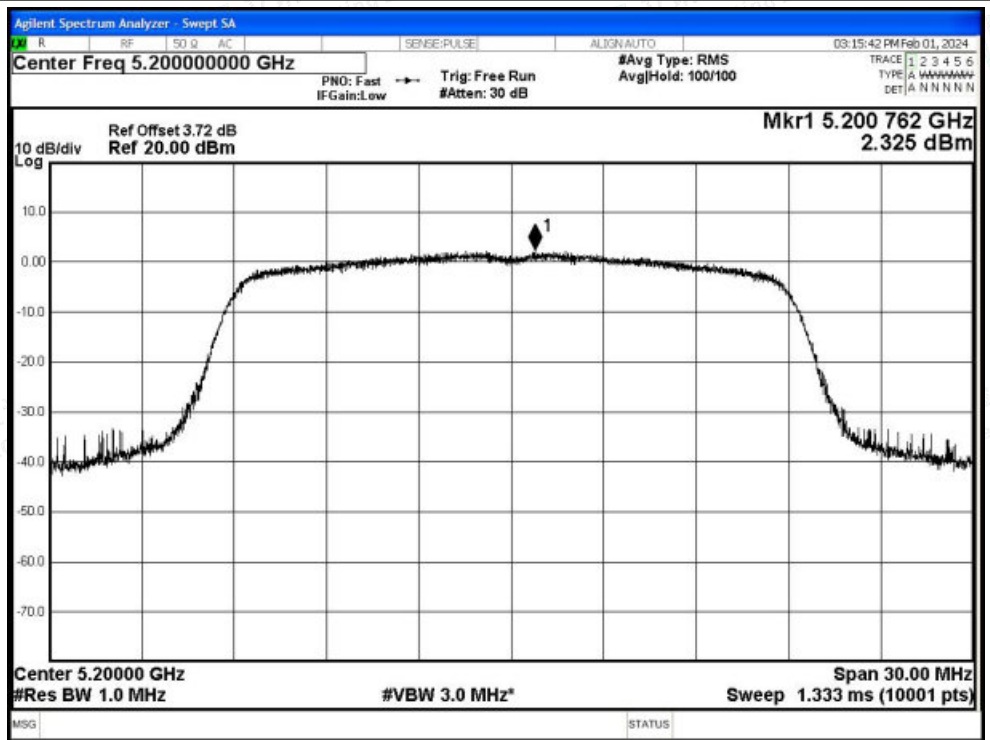


PSD NVNT n20 5180MHz Ant2

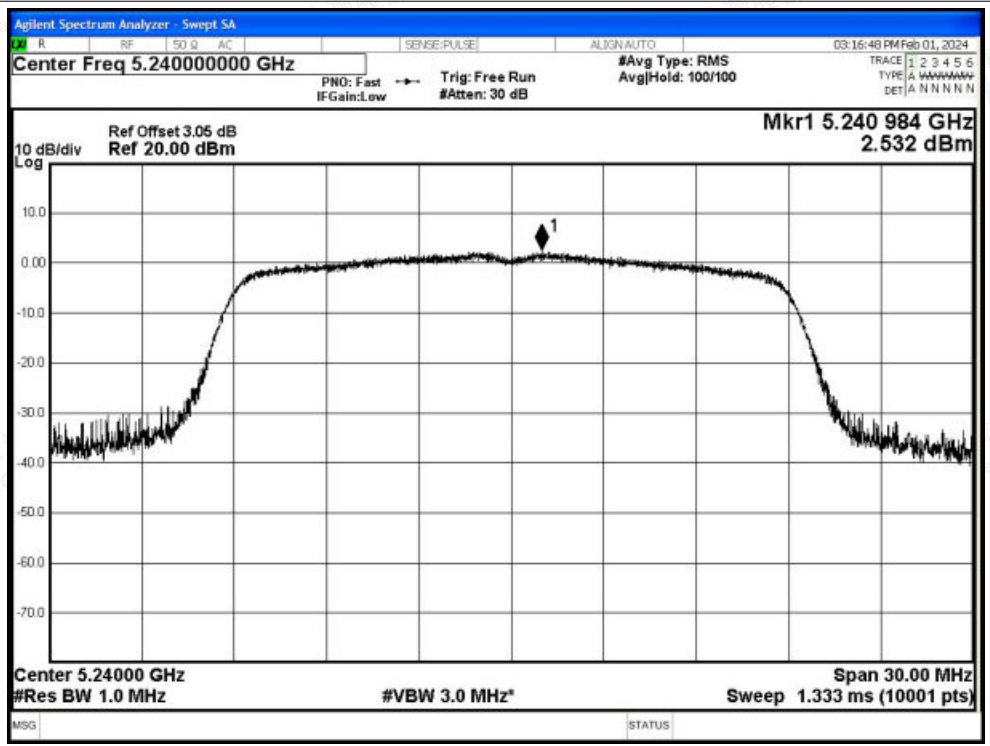




PSD NVNT n20 5200MHz Ant2

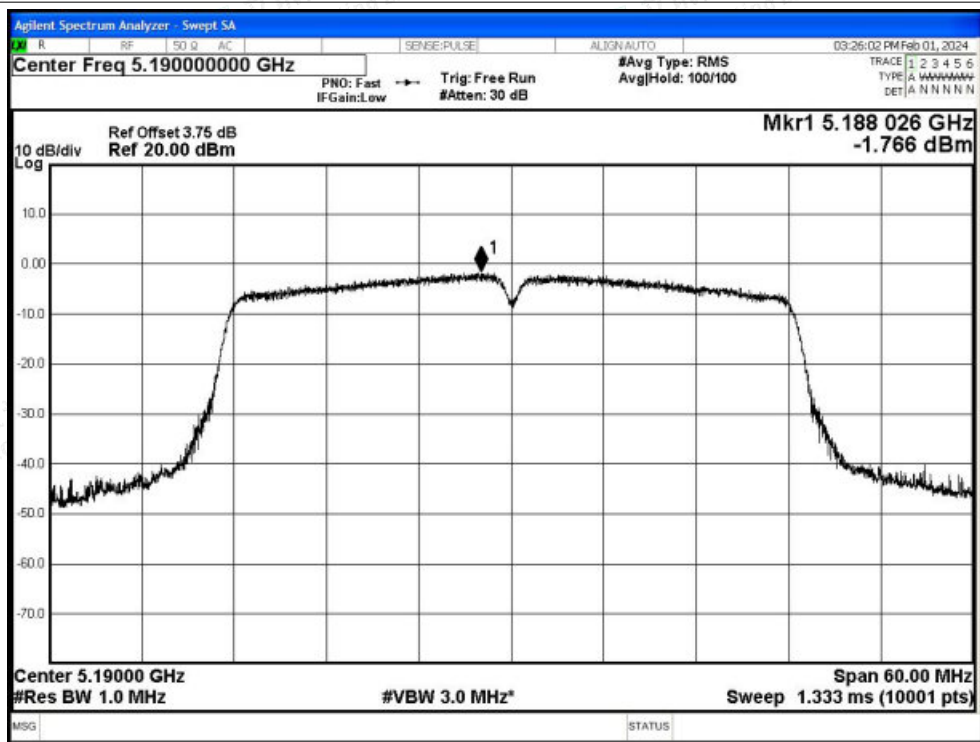


PSD NVNT n20 5240MHz Ant2

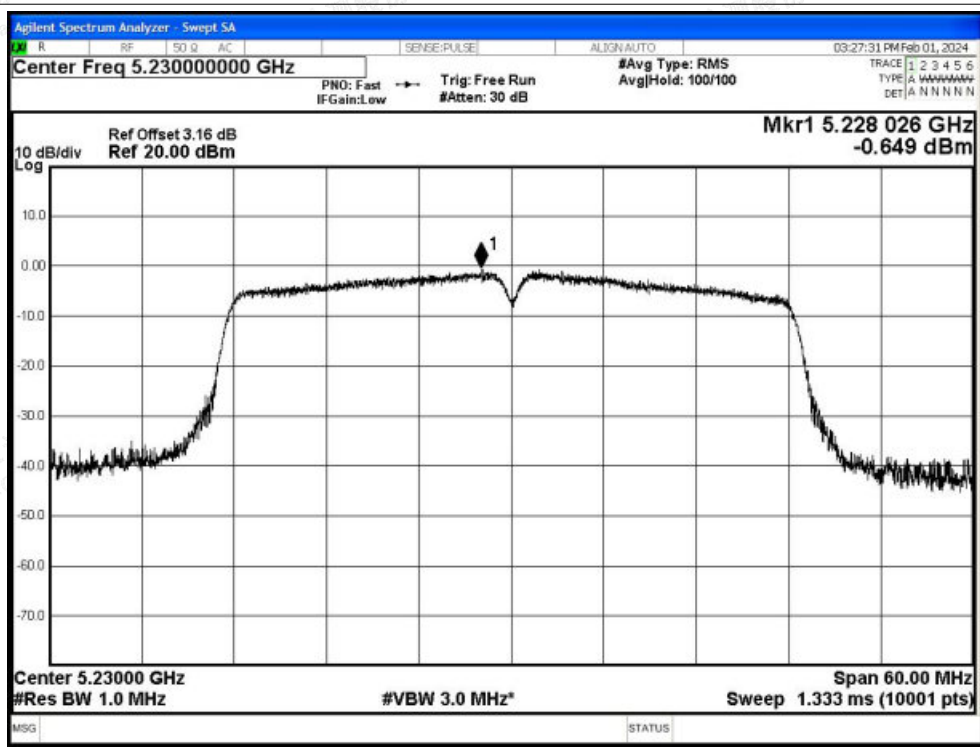


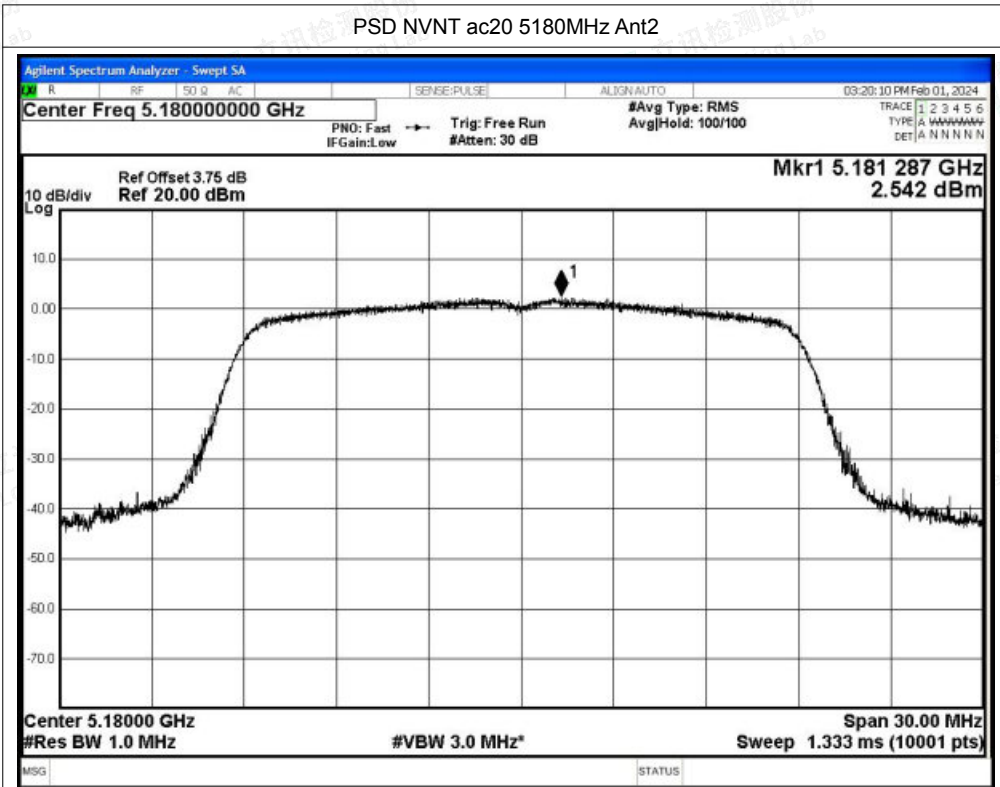


PSD NVNT n40 5190MHz Ant2

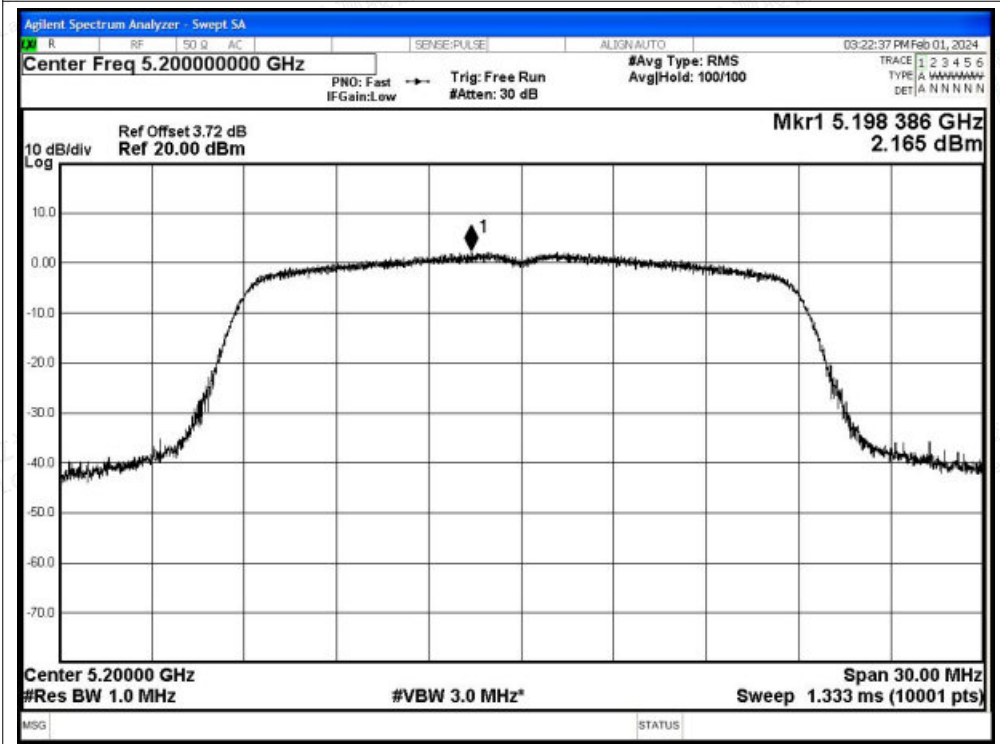


PSD NVNT n40 5230MHz Ant2



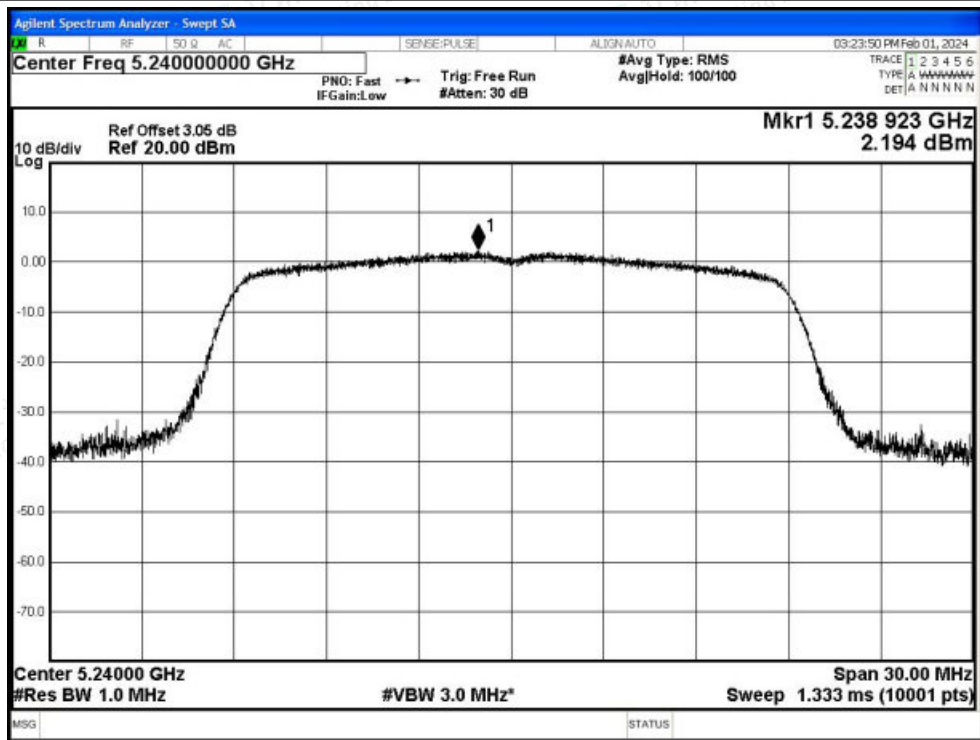


PSD NVNT ac20 5200MHz Ant2

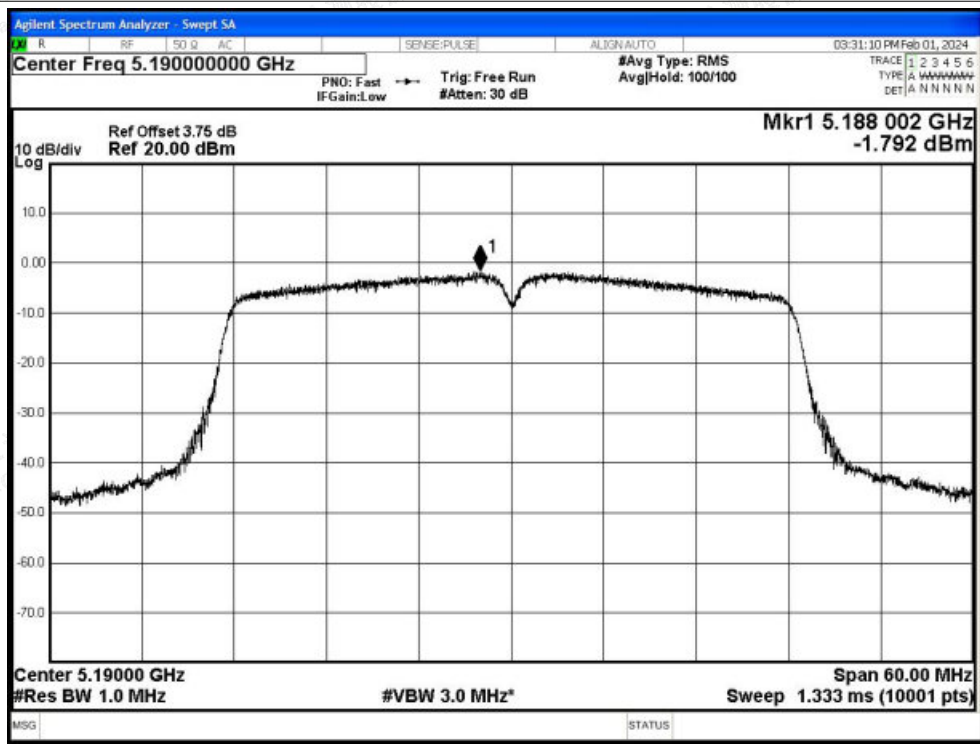




PSD NVNT ac20 5240MHz Ant2

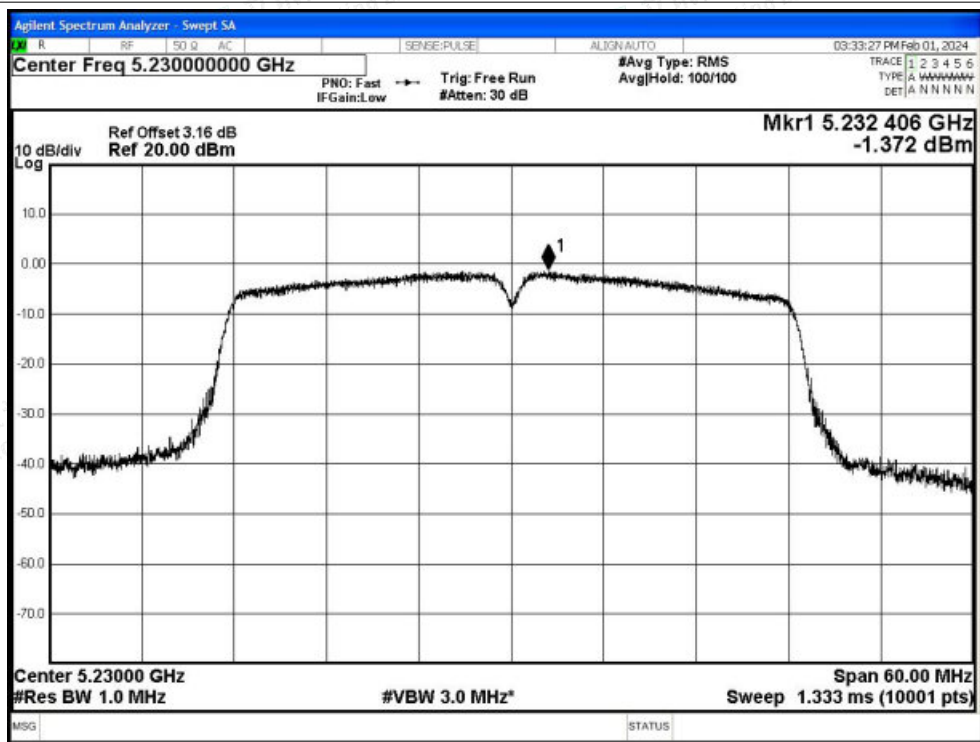


PSD NVNT ac40 5190MHz Ant2

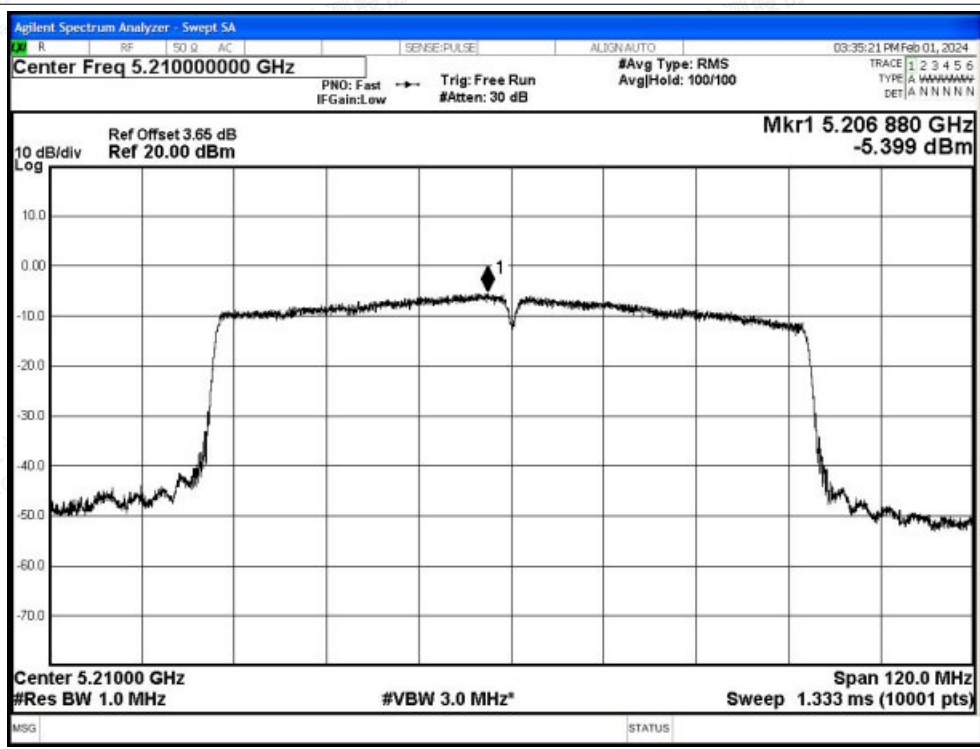




PSD NVNT ac40 5230MHz Ant2



PSD NVNT ac80 5210MHz Ant2





D.4 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5180	Ant1	4500	-50.41	2	-	46.82	Peak	68.2	Pass
NVNT	a	5180	Ant1	4500	-58.42	2	0.13	38.94	Average	54	Pass
NVNT	a	5180	Ant1	5145.4	-44.61	2	-	52.62	Peak	68.2	Pass
NVNT	a	5180	Ant1	5144.7	-54.75	2	0.13	42.61	Average	54	Pass
NVNT	a	5180	Ant1	5150	-46.99	2	-	50.24	Peak	68.2	Pass
NVNT	a	5180	Ant1	5150	-55.27	2	0.13	42.09	Average	54	Pass
NVNT	a	5240	Ant1	5350	-49.2	2	-	48.03	Peak	68.2	Pass
NVNT	a	5240	Ant1	5350	-57.45	2	0.13	39.91	Average	54	Pass
NVNT	a	5240	Ant1	5419.44	-46.56	2	-	50.67	Peak	68.2	Pass
NVNT	a	5240	Ant1	5359.68	-56.68	2	0.13	40.68	Average	54	Pass
NVNT	a	5240	Ant1	5460	-49.21	2	-	48.02	Peak	68.2	Pass
NVNT	a	5240	Ant1	5460	-57.8	2	0.13	39.56	Average	54	Pass
NVNT	n20	5180	Ant1	4500	-50.78	2	-	46.45	Peak	68.2	Pass
NVNT	n20	5180	Ant1	4500	-58.63	2	0.15	38.75	Average	54	Pass
NVNT	n20	5180	Ant1	5147.5	-45.43	2	-	51.8	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5146.1	-55.15	2	0.15	42.23	Average	54	Pass
NVNT	n20	5180	Ant1	5150	-46.19	2	-	51.04	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5150	-55.32	2	0.15	42.06	Average	54	Pass
NVNT	n20	5240	Ant1	5350	-48.01	2	-	49.22	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350	-57.53	2	0.14	39.84	Average	54	Pass
NVNT	n20	5240	Ant1	5351.76	-46.62	2	-	50.61	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5353.2	-56.68	2	0.14	40.69	Average	54	Pass
NVNT	n20	5240	Ant1	5460	-48.31	2	-	48.92	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5460	-58.14	2	0.14	39.23	Average	54	Pass
NVNT	n40	5190	Ant1	4500	-50.34	2	-	46.89	Peak	68.2	Pass
NVNT	n40	5190	Ant1	4500	-57.98	2	0.28	39.53	Average	54	Pass
NVNT	n40	5190	Ant1	5136.56	-45.05	2	-	52.18	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5148.24	-54.38	2	0.28	43.13	Average	54	Pass
NVNT	n40	5190	Ant1	5150	-45.13	2	-	52.1	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5150	-55.07	2	0.28	42.44	Average	54	Pass
NVNT	n40	5230	Ant1	5350	-50.79	2	-	46.44	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5350	-57.36	2	0.29	40.16	Average	54	Pass
NVNT	n40	5230	Ant1	5410.05	-46.22	2	-	51.01	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5370.63	-56.68	2	0.29	40.84	Average	54	Pass
NVNT	n40	5230	Ant1	5460	-49.39	2	-	47.84	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5460	-57.21	2	0.29	40.31	Average	54	Pass





NVNT	ac20	5180	Ant1	4500	-48.96	2	-	48.27	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	4500	-58.42	2	0.15	38.96	Average	54	Pass
NVNT	ac20	5180	Ant1	5141.9	-43.64	2	-	53.59	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5143.3	-54.98	2	0.15	42.4	Average	54	Pass
NVNT	ac20	5180	Ant1	5150	-47.07	2	-	50.16	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5150	-55.62	2	0.15	41.76	Average	54	Pass
NVNT	ac20	5240	Ant1	5350	-49.86	2	-	47.37	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350	-57.25	2	0.14	40.12	Average	54	Pass
NVNT	ac20	5240	Ant1	5379.12	-47.33	2	-	49.9	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5362.56	-56.64	2	0.14	40.73	Average	54	Pass
NVNT	ac20	5240	Ant1	5460	-50.34	2	-	46.89	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5460	-57.83	2	0.14	39.54	Average	54	Pass
NVNT	ac40	5190	Ant1	4500	-50.26	2	-	46.97	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	4500	-58.38	2	0.28	39.13	Average	54	Pass
NVNT	ac40	5190	Ant1	5077.43	-45.12	2	-	52.11	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5149.7	-54.41	2	0.28	43.1	Average	54	Pass
NVNT	ac40	5190	Ant1	5150	-45.99	2	-	51.24	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5150	-54.41	2	0.28	43.1	Average	54	Pass
NVNT	ac40	5230	Ant1	5350	-50.29	2	-	46.94	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350	-57.04	2	0.28	40.47	Average	54	Pass
NVNT	ac40	5230	Ant1	5405.19	-46.84	2	-	50.39	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5383.59	-56.63	2	0.28	40.88	Average	54	Pass
NVNT	ac40	5230	Ant1	5460	-49.17	2	-	48.06	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5460	-57.25	2	0.28	40.26	Average	54	Pass
NVNT	ac80	5210	Ant1	5350	-48.59	2	-	48.64	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5350	-57.43	2	0.55	40.35	Average	54	Pass
NVNT	ac80	5210	Ant1	5386.74	-46.44	2	-	50.79	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5361	-56.45	2	0.55	41.33	Average	54	Pass
NVNT	ac80	5210	Ant1	5460	-49.5	2	-	47.73	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5460	-57.64	2	0.55	40.14	Average	54	Pass
NVNT	ac80	5210	Ant1	4500	-49.93	2	-	47.3	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	4500	-58.69	2	0.55	39.09	Average	54	Pass
NVNT	ac80	5210	Ant1	5143.06	-44.17	2	-	53.06	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5149.38	-53.57	2	0.55	44.21	Average	54	Pass
NVNT	ac80	5210	Ant1	5150	-45.43	2	-	51.8	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5150	-53.4	2	0.55	44.38	Average	54	Pass



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Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5180	Ant2	4500	-49.44	2	-	47.79	Peak	68.2	Pass
NVNT	a	5180	Ant2	4500	-58.46	2	0.13	38.9	Average	54	Pass
NVNT	a	5180	Ant2	5083.1	-44.68	2	-	52.55	Peak	68.2	Pass
NVNT	a	5180	Ant2	5132.8	-55.18	2	0.13	42.18	Average	54	Pass
NVNT	a	5180	Ant2	5150	-47.14	2	-	50.09	Peak	68.2	Pass
NVNT	a	5180	Ant2	5150	-55.63	2	0.13	41.73	Average	54	Pass
NVNT	a	5240	Ant2	5350	-49.08	2	-	48.15	Peak	68.2	Pass
NVNT	a	5240	Ant2	5350	-57.86	2	0.13	39.5	Average	54	Pass
NVNT	a	5240	Ant2	5413.2	-47.02	2	-	50.21	Peak	68.2	Pass
NVNT	a	5240	Ant2	5356.8	-56.65	2	0.13	40.71	Average	54	Pass
NVNT	a	5240	Ant2	5460	-50.21	2	-	47.02	Peak	68.2	Pass
NVNT	a	5240	Ant2	5460	-58.06	2	0.13	39.3	Average	54	Pass
NVNT	n20	5180	Ant2	4500	-49.04	2	-	48.19	Peak	68.2	Pass
NVNT	n20	5180	Ant2	4500	-58.4	2	0.14	38.97	Average	54	Pass
NVNT	n20	5180	Ant2	5144	-45.19	2	-	52.04	Peak	68.2	Pass
NVNT	n20	5180	Ant2	5102	-55.03	2	0.14	42.34	Average	54	Pass
NVNT	n20	5180	Ant2	5150	-47.42	2	-	49.81	Peak	68.2	Pass
NVNT	n20	5180	Ant2	5150	-55.3	2	0.14	42.07	Average	54	Pass
NVNT	n20	5240	Ant2	5350	-48.67	2	-	48.56	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5350	-57.18	2	0.14	40.19	Average	54	Pass
NVNT	n20	5240	Ant2	5430.72	-46.97	2	-	50.26	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5354.4	-56.69	2	0.14	40.68	Average	54	Pass
NVNT	n20	5240	Ant2	5460	-49.61	2	-	47.62	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5460	-57.55	2	0.14	39.82	Average	54	Pass
NVNT	n40	5190	Ant2	4500	-50.56	2	-	46.67	Peak	68.2	Pass
NVNT	n40	5190	Ant2	4500	-58.23	2	0.29	39.29	Average	54	Pass
NVNT	n40	5190	Ant2	5091.3	-45.34	2	-	51.89	Peak	68.2	Pass
NVNT	n40	5190	Ant2	5149.7	-54.85	2	0.29	42.67	Average	54	Pass
NVNT	n40	5190	Ant2	5150	-46.08	2	-	51.15	Peak	68.2	Pass
NVNT	n40	5190	Ant2	5150	-54.85	2	0.29	42.67	Average	54	Pass
NVNT	n40	5230	Ant2	5350	-49.94	2	-	47.29	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5350	-57.12	2	0.28	40.39	Average	54	Pass
NVNT	n40	5230	Ant2	5428.68	-46.76	2	-	50.47	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5353.89	-56.41	2	0.28	41.1	Average	54	Pass
NVNT	n40	5230	Ant2	5460	-48.29	2	-	48.94	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5460	-58.01	2	0.28	39.5	Average	54	Pass
NVNT	ac20	5180	Ant2	4500	-49.7	2	-	47.53	Peak	68.2	Pass
NVNT	ac20	5180	Ant2	4500	-58.17	2	0.14	39.2	Average	54	Pass





NVNT	ac20	5180	Ant2	5134.2	-45.23	2	-	52	Peak	68.2	Pass
NVNT	ac20	5180	Ant2	5134.9	-55.02	2	0.14	42.35	Average	54	Pass
NVNT	ac20	5180	Ant2	5150	-46.93	2	-	50.3	Peak	68.2	Pass
NVNT	ac20	5180	Ant2	5150	-55.07	2	0.14	42.3	Average	54	Pass
NVNT	ac20	5240	Ant2	5350	-49.76	2	-	47.47	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5350	-57.29	2	0.14	40.08	Average	54	Pass
NVNT	ac20	5240	Ant2	5405.52	-47.09	2	-	50.14	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5368.32	-56.77	2	0.14	40.6	Average	54	Pass
NVNT	ac20	5240	Ant2	5460	-50.54	2	-	46.69	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5460	-57.83	2	0.14	39.54	Average	54	Pass
NVNT	ac40	5190	Ant2	4500	-50.06	2	-	47.17	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	4500	-58.45	2	0.28	39.06	Average	54	Pass
NVNT	ac40	5190	Ant2	5093.49	-45.11	2	-	52.12	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	5147.51	-54.8	2	0.28	42.71	Average	54	Pass
NVNT	ac40	5190	Ant2	5150	-47.5	2	-	49.73	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	5150	-55	2	0.28	42.51	Average	54	Pass
NVNT	ac40	5230	Ant2	5350	-49.85	2	-	47.38	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5350	-57.09	2	0.28	40.42	Average	54	Pass
NVNT	ac40	5230	Ant2	5377.11	-46.14	2	-	51.09	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5372.79	-56.56	2	0.28	40.95	Average	54	Pass
NVNT	ac40	5230	Ant2	5460	-49.95	2	-	47.28	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5460	-58.41	2	0.28	39.1	Average	54	Pass
NVNT	ac80	5210	Ant2	5350	-49.27	2	-	47.96	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	5350	-57.19	2	0.55	40.59	Average	54	Pass
NVNT	ac80	5210	Ant2	5413.14	-45.83	2	-	51.4	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	5440.53	-56.66	2	0.55	41.12	Average	54	Pass
NVNT	ac80	5210	Ant2	5460	-49.6	2	-	47.63	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	5460	-57.87	2	0.55	39.91	Average	54	Pass
NVNT	ac80	5210	Ant2	4500	-51.68	2	-	45.55	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	4500	-59.24	2	0.55	38.54	Average	54	Pass
NVNT	ac80	5210	Ant2	5146.22	-43.82	2	-	53.41	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	5149.38	-53.53	2	0.55	44.25	Average	54	Pass
NVNT	ac80	5210	Ant2	5150	-44.81	2	-	52.42	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	5150	-53.55	2	0.55	44.23	Average	54	Pass



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MIMO

Condition	Mode	Frequency (MHz)	ANT1 Power (dBm)	ANT2 Power (dBm)	Gain (dBi)	Total E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	n20	5180	-50.78	-49.04	3.56	52.01	Peak	68.2	Pass
NVNT	n20	5180	-58.63	-58.4	3.56	43.32	Average	54	Pass
NVNT	n20	5180	-45.43	-45.19	3.56	56.52	Peak	68.2	Pass
NVNT	n20	5180	-55.15	-55.03	3.56	46.74	Average	54	Pass
NVNT	n20	5180	-46.19	-47.42	3.56	55.07	Peak	68.2	Pass
NVNT	n20	5180	-55.32	-55.3	3.56	46.52	Average	54	Pass
NVNT	n20	5240	-48.01	-48.67	3.56	53.50	Peak	68.2	Pass
NVNT	n20	5240	-57.53	-57.18	3.56	44.48	Average	54	Pass
NVNT	n20	5240	-46.62	-46.97	3.56	55.04	Peak	68.2	Pass
NVNT	n20	5240	-56.68	-56.69	3.56	45.15	Average	54	Pass
NVNT	n20	5240	-48.31	-49.61	3.56	52.92	Peak	68.2	Pass
NVNT	n20	5240	-58.14	-57.55	3.56	44.00	Average	54	Pass
NVNT	n40	5190	-50.34	-50.56	3.56	51.38	Peak	68.2	Pass
NVNT	n40	5190	-57.98	-58.23	3.56	43.73	Average	54	Pass
NVNT	n40	5190	-45.05	-45.34	3.56	56.64	Peak	68.2	Pass
NVNT	n40	5190	-54.38	-54.85	3.56	47.22	Average	54	Pass
NVNT	n40	5190	-45.13	-46.08	3.56	56.25	Peak	68.2	Pass
NVNT	n40	5190	-55.07	-54.85	3.56	46.87	Average	54	Pass
NVNT	n40	5230	-50.79	-49.94	3.56	51.49	Peak	68.2	Pass
NVNT	n40	5230	-57.36	-57.12	3.56	44.59	Average	54	Pass
NVNT	n40	5230	-46.22	-46.76	3.56	55.35	Peak	68.2	Pass
NVNT	n40	5230	-56.68	-56.41	3.56	45.29	Average	54	Pass
NVNT	n40	5230	-49.39	-48.29	3.56	53.03	Peak	68.2	Pass
NVNT	n40	5230	-57.21	-58.01	3.56	44.24	Average	54	Pass
NVNT	ac20	5180	-48.96	-49.7	3.56	52.52	Peak	68.2	Pass
NVNT	ac20	5180	-58.42	-58.17	3.56	43.54	Average	54	Pass
NVNT	ac20	5180	-43.64	-45.23	3.56	57.47	Peak	68.2	Pass
NVNT	ac20	5180	-54.98	-55.02	3.56	46.83	Average	54	Pass
NVNT	ac20	5180	-47.07	-46.93	3.56	54.83	Peak	68.2	Pass
NVNT	ac20	5180	-55.62	-55.07	3.56	46.49	Average	54	Pass
NVNT	ac20	5240	-49.86	-49.76	3.56	52.02	Peak	68.2	Pass
NVNT	ac20	5240	-57.25	-57.29	3.56	44.56	Average	54	Pass
NVNT	ac20	5240	-47.33	-47.09	3.56	54.62	Peak	68.2	Pass
NVNT	ac20	5240	-56.64	-56.77	3.56	45.13	Average	54	Pass
NVNT	ac20	5240	-50.34	-50.54	3.56	51.39	Peak	68.2	Pass
NVNT	ac20	5240	-57.83	-57.83	3.56	44.00	Average	54	Pass



Shenzhen LCS Compliance Testing Laboratory Ltd.
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 Scan code to check authenticity



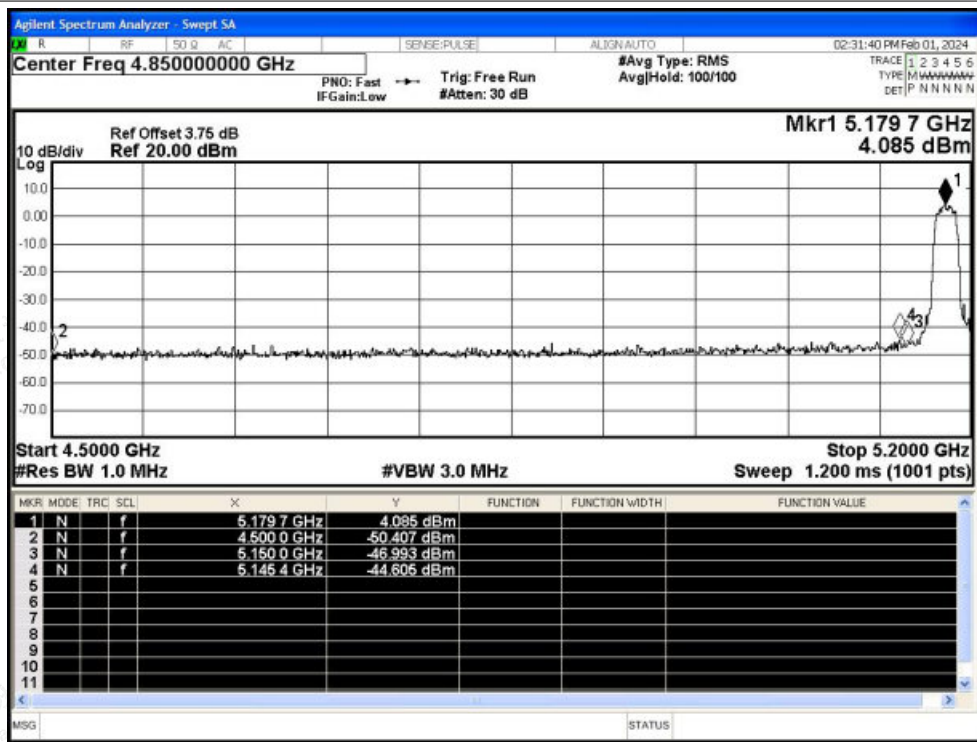
NVNT	ac40	5190	-50.26	-50.06	3.56	51.67	Peak	68.2	Pass
NVNT	ac40	5190	-58.38	-58.45	3.56	43.42	Average	54	Pass
NVNT	ac40	5190	-45.12	-45.11	3.56	56.72	Peak	68.2	Pass
NVNT	ac40	5190	-54.41	-54.8	3.56	47.23	Average	54	Pass
NVNT	ac40	5190	-45.99	-47.5	3.56	55.15	Peak	68.2	Pass
NVNT	ac40	5190	-54.41	-55	3.56	47.14	Average	54	Pass
NVNT	ac40	5230	-50.29	-49.85	3.56	51.77	Peak	68.2	Pass
NVNT	ac40	5230	-57.04	-57.09	3.56	44.77	Average	54	Pass
NVNT	ac40	5230	-46.84	-46.14	3.56	55.35	Peak	68.2	Pass
NVNT	ac40	5230	-56.63	-56.56	3.56	45.24	Average	54	Pass
NVNT	ac40	5230	-49.17	-49.95	3.56	52.29	Peak	68.2	Pass
NVNT	ac40	5230	-57.25	-58.41	3.56	44.04	Average	54	Pass
NVNT	ac80	5210	-48.59	-49.27	3.56	52.91	Peak	68.2	Pass
NVNT	ac80	5210	-57.43	-57.19	3.56	44.52	Average	54	Pass
NVNT	ac80	5210	-46.44	-45.83	3.56	55.71	Peak	68.2	Pass
NVNT	ac80	5210	-56.45	-56.66	3.56	45.28	Average	54	Pass
NVNT	ac80	5210	-49.5	-49.6	3.56	52.28	Peak	68.2	Pass
NVNT	ac80	5210	-57.64	-57.87	3.56	44.08	Average	54	Pass
NVNT	ac80	5210	-49.93	-51.68	3.56	51.11	Peak	68.2	Pass
NVNT	ac80	5210	-58.69	-59.24	3.56	42.87	Average	54	Pass
NVNT	ac80	5210	-44.17	-43.82	3.56	57.84	Peak	68.2	Pass
NVNT	ac80	5210	-53.57	-53.53	3.56	48.28	Average	54	Pass
NVNT	ac80	5210	-45.43	-44.81	3.56	56.72	Peak	68.2	Pass
NVNT	ac80	5210	-53.4	-53.55	3.56	48.36	Average	54	Pass



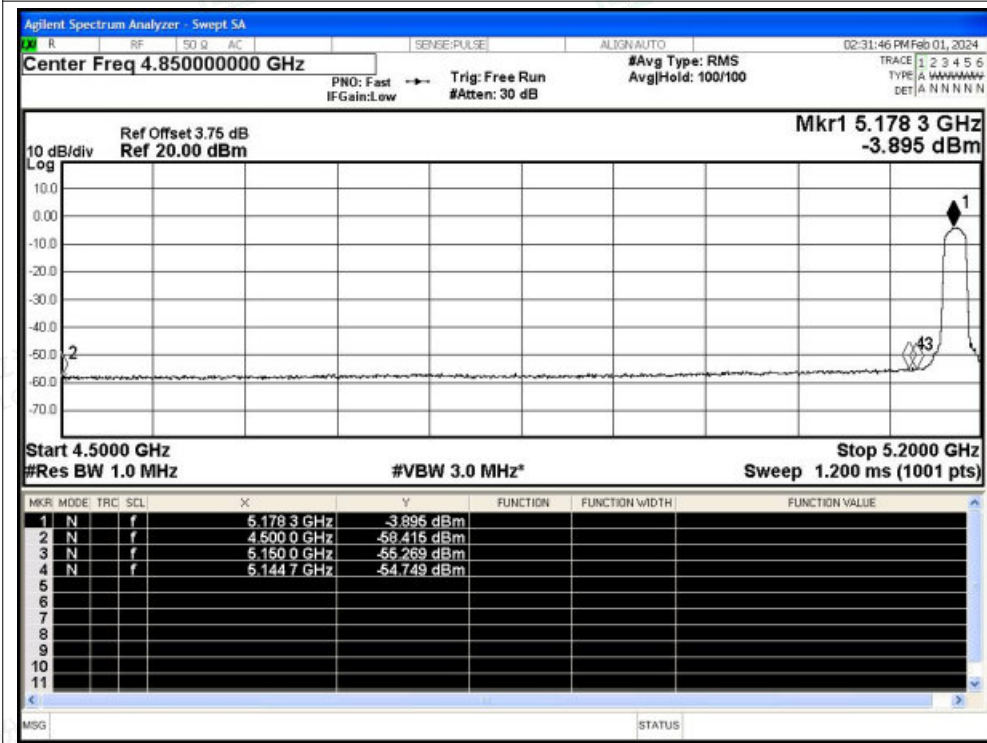


Test Graphs

Restrict Band NVNT a 5180MHz Ant1 Peak

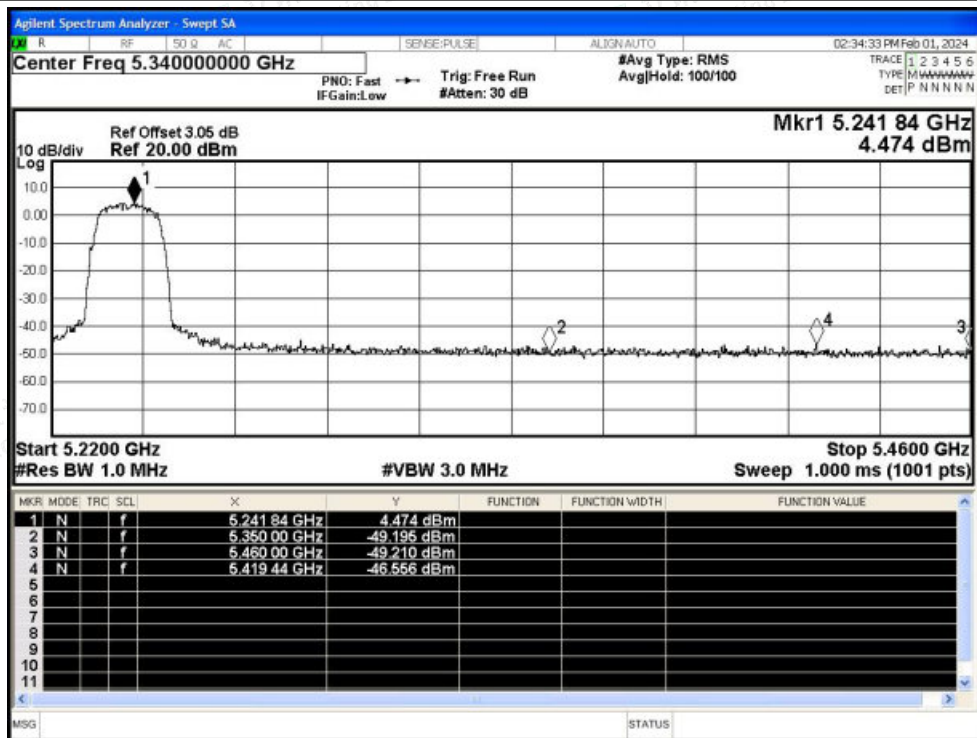


Restrict Band NVNT a 5180MHz Ant1 Average

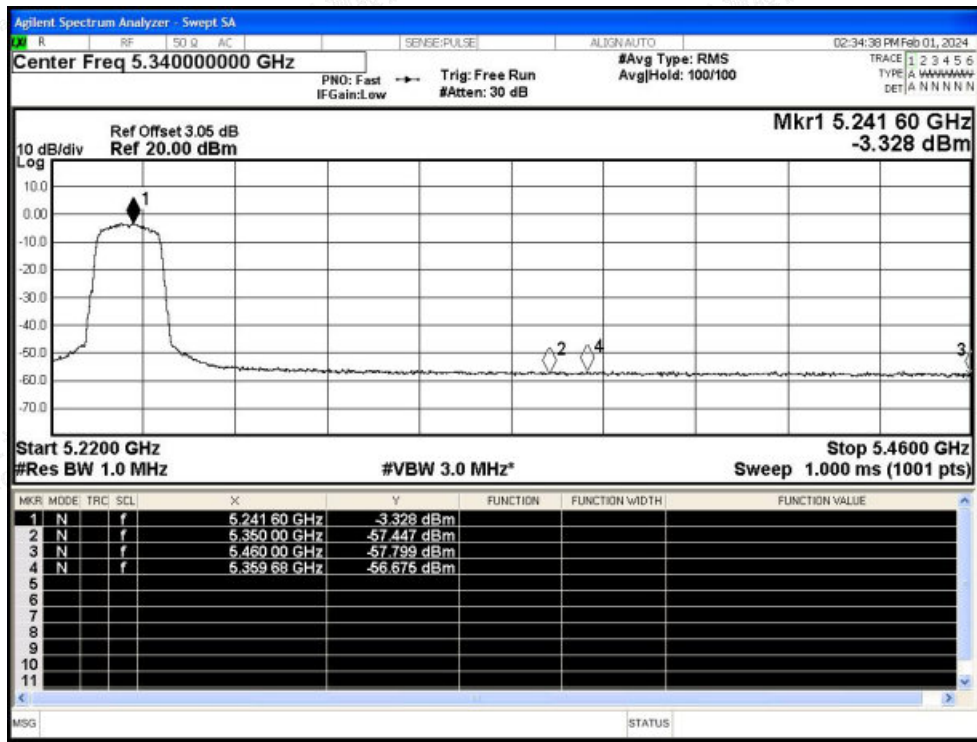




Restrict Band NVNT a 5240MHz Ant1 Peak

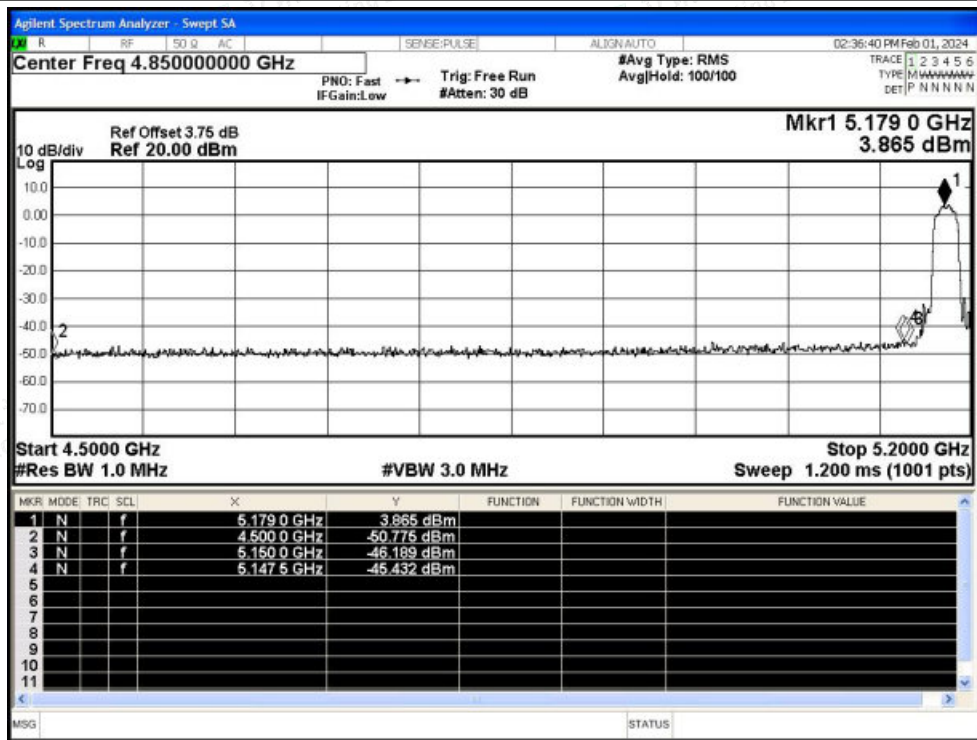


Restrict Band NVNT a 5240MHz Ant1 Average

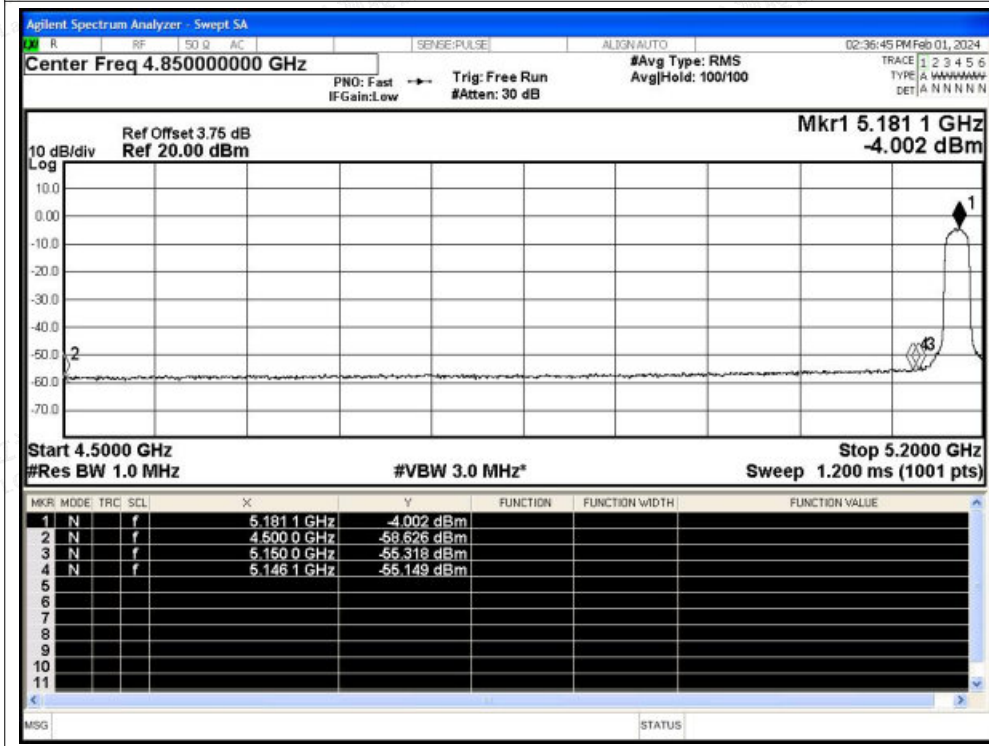




Restrict Band NVNT n20 5180MHz Ant1 Peak

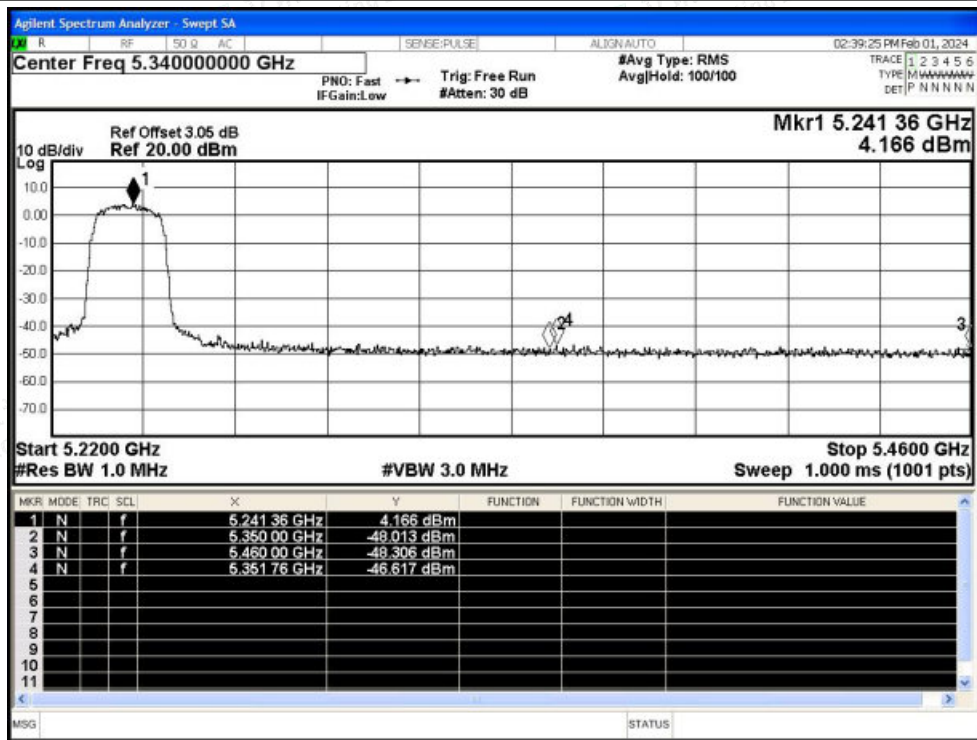


Restrict Band NVNT n20 5180MHz Ant1 Average

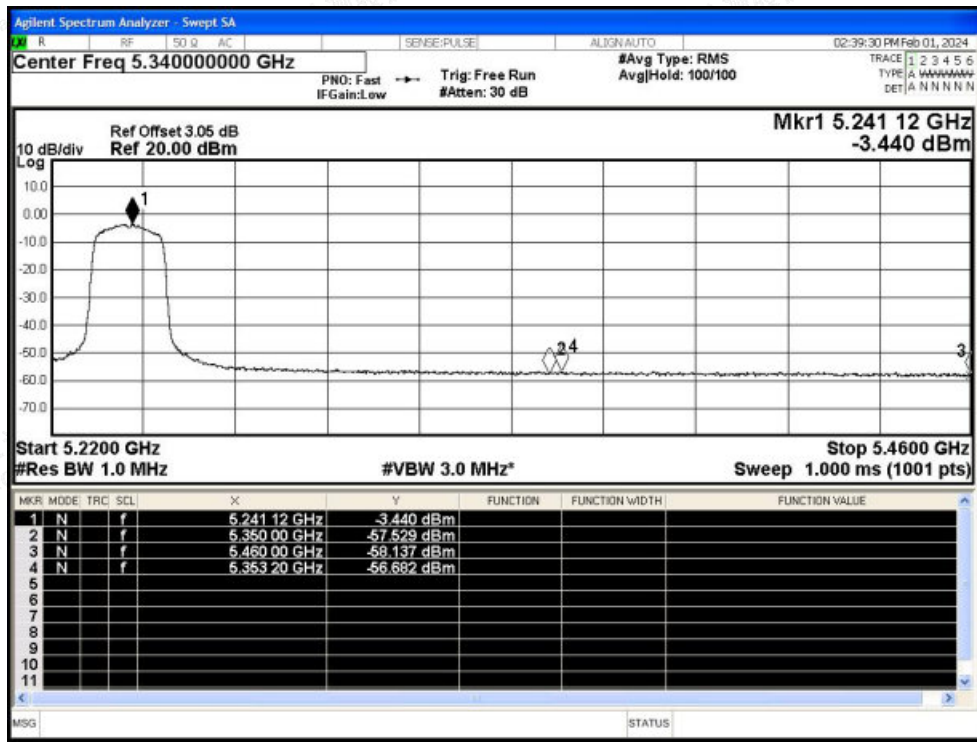




Restrict Band NVNT n20 5240MHz Ant1 Peak

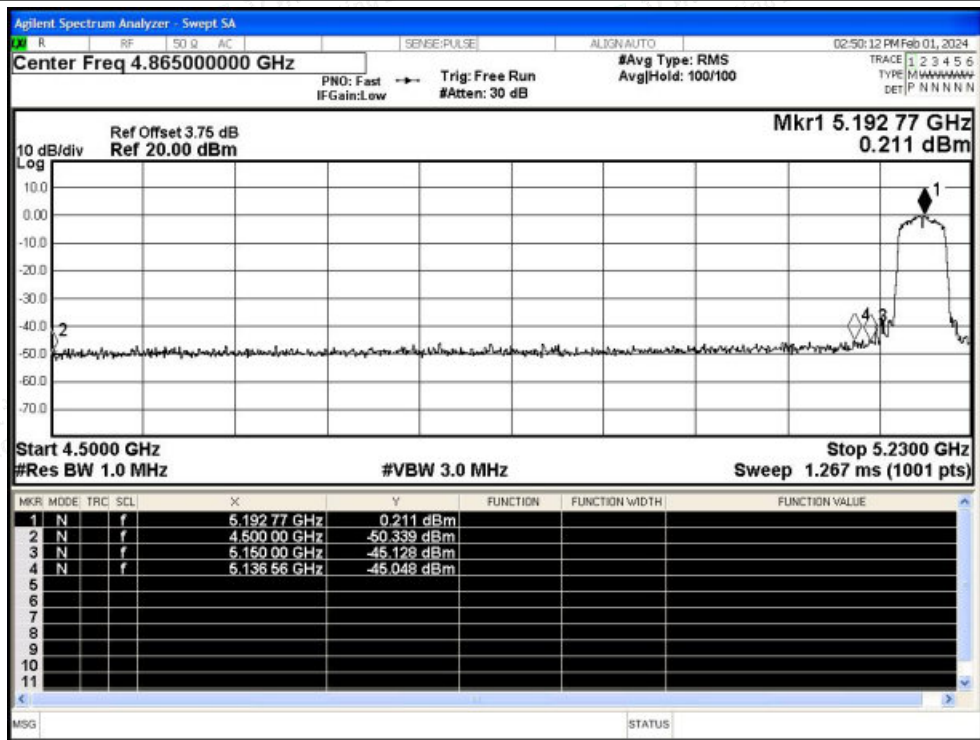


Restrict Band NVNT n20 5240MHz Ant1 Average

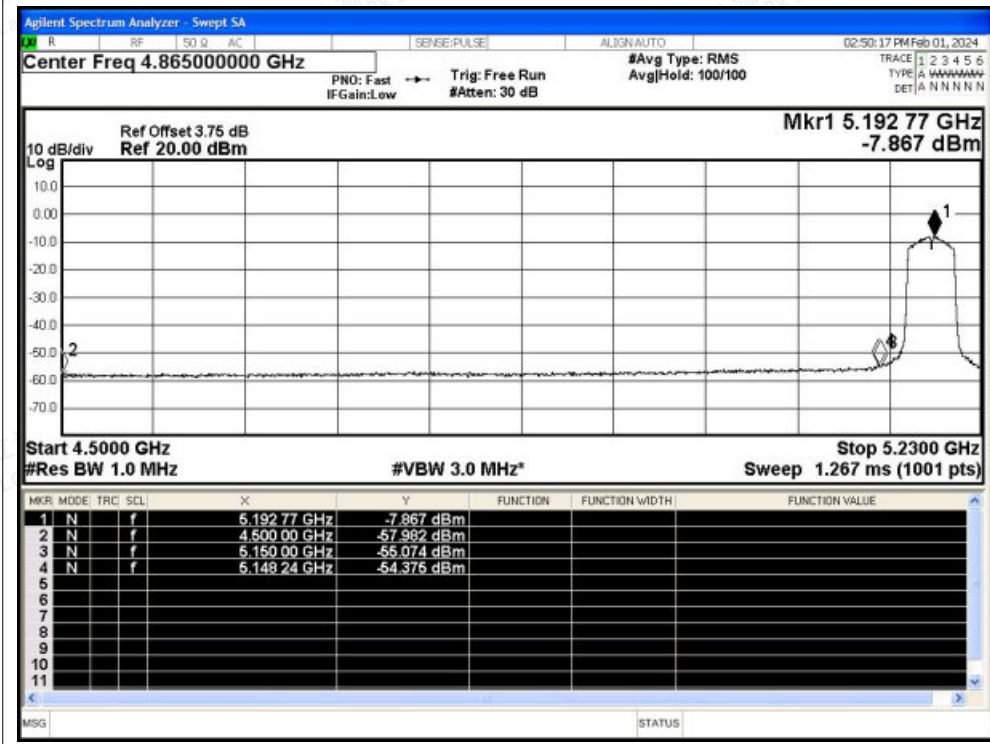




Restrict Band NVNT n40 5190MHz Ant1 Peak

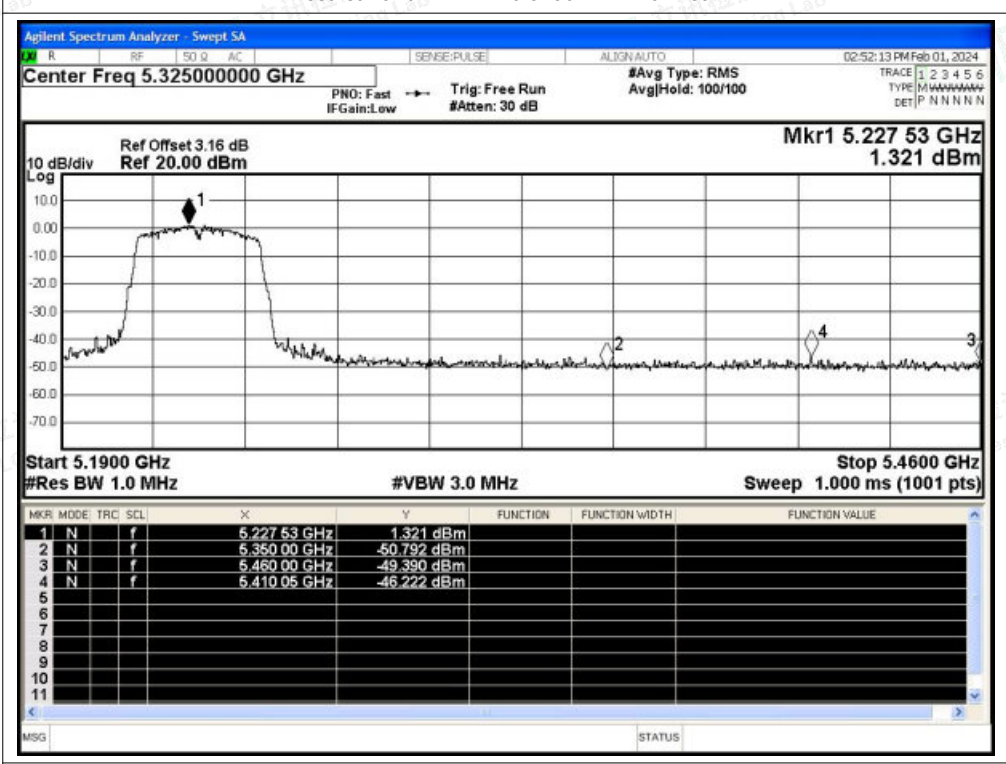


Restrict Band NVNT n40 5190MHz Ant1 Average

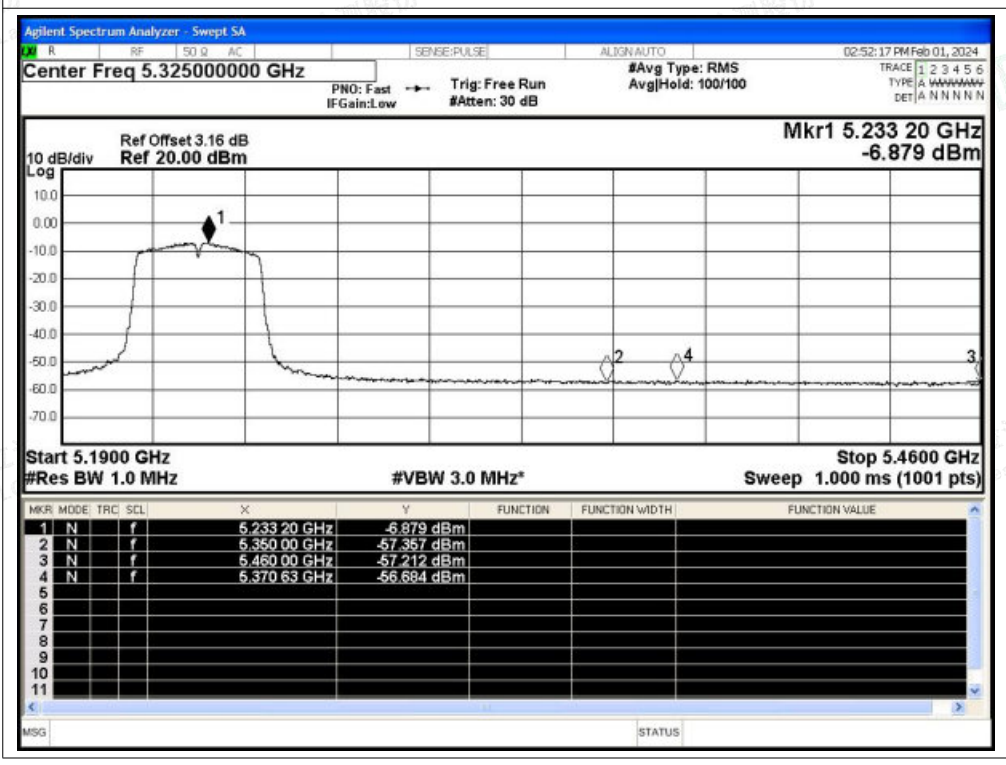




Restrict Band NVNT n40 5230MHz Ant1 Peak

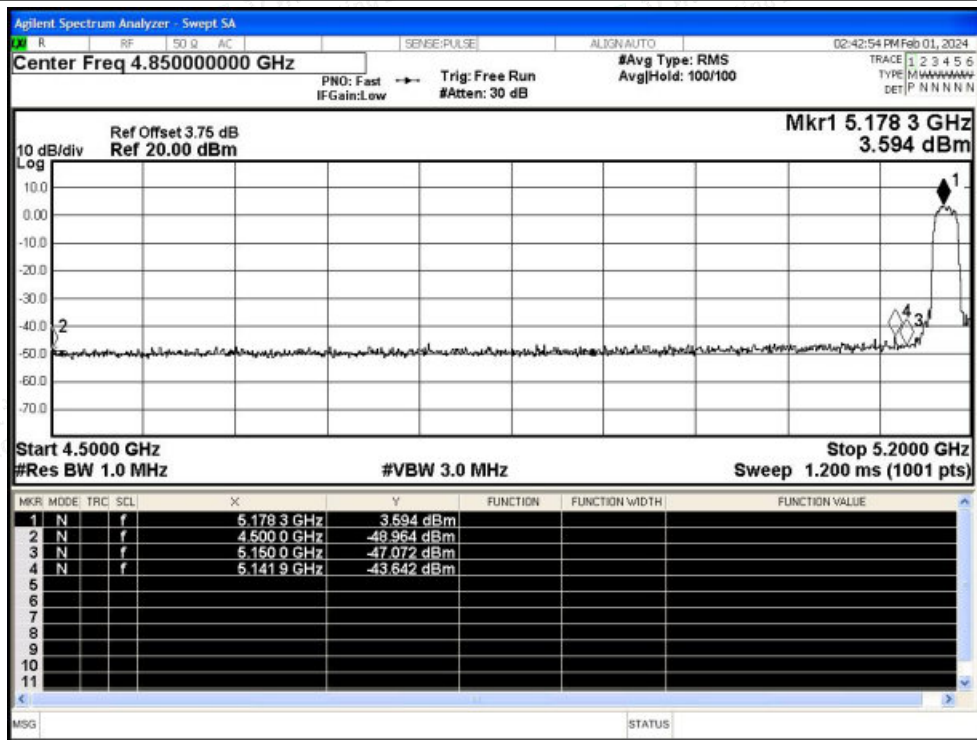


Restrict Band NVNT n40 5230MHz Ant1 Average

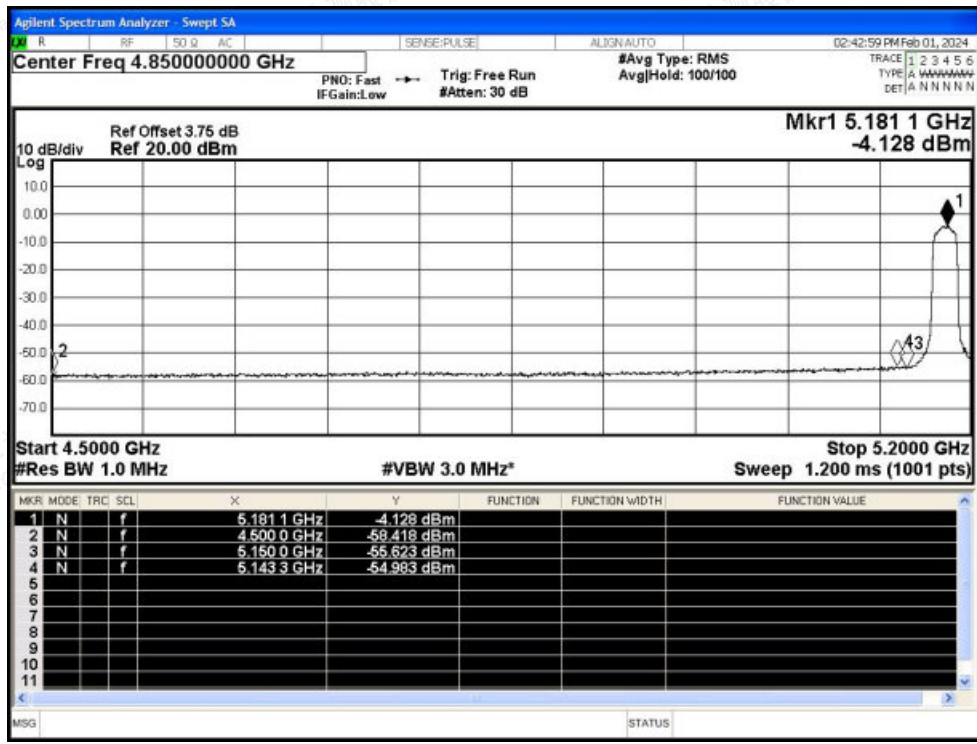




Restrict Band NVNT ac20 5180MHz Ant1 Peak

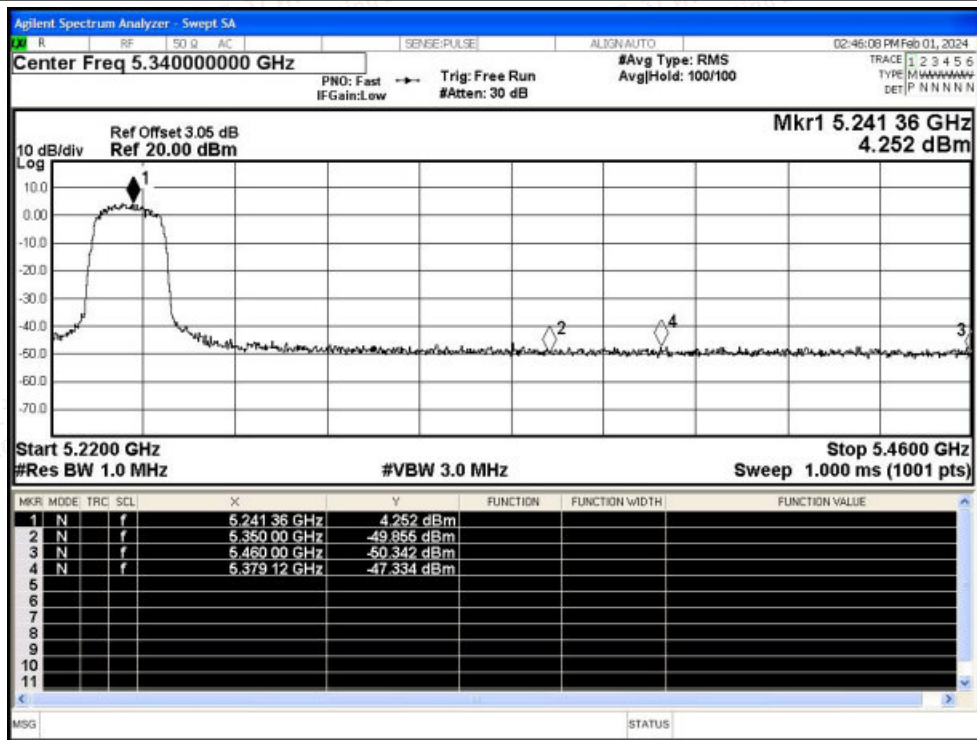


Restrict Band NVNT ac20 5180MHz Ant1 Average

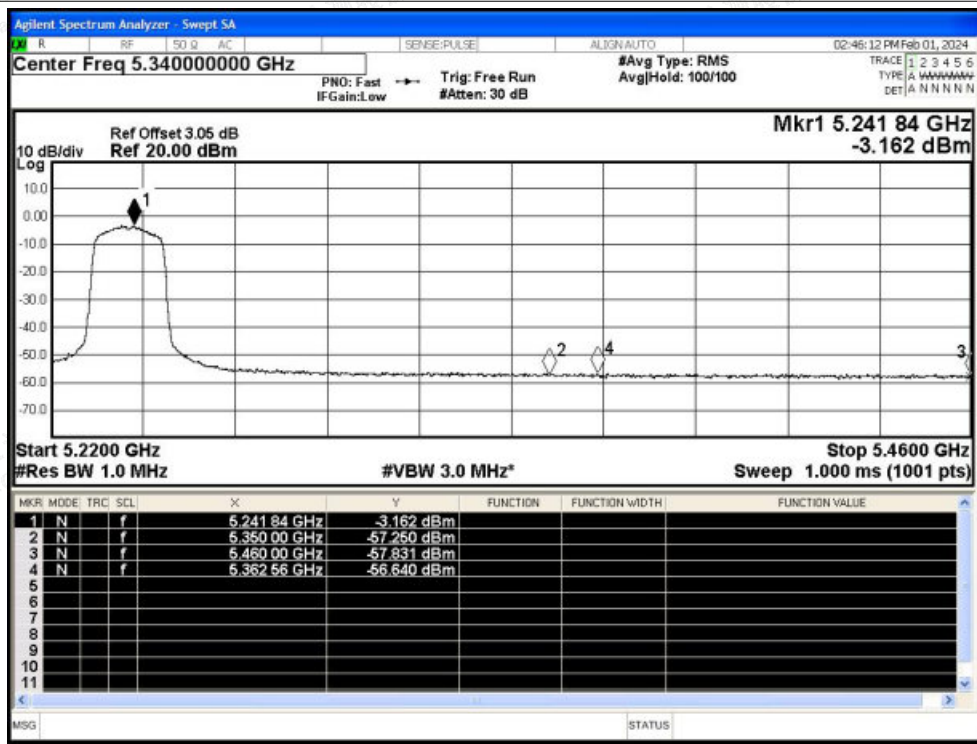




Restrict Band NVNT ac20 5240MHz Ant1 Peak

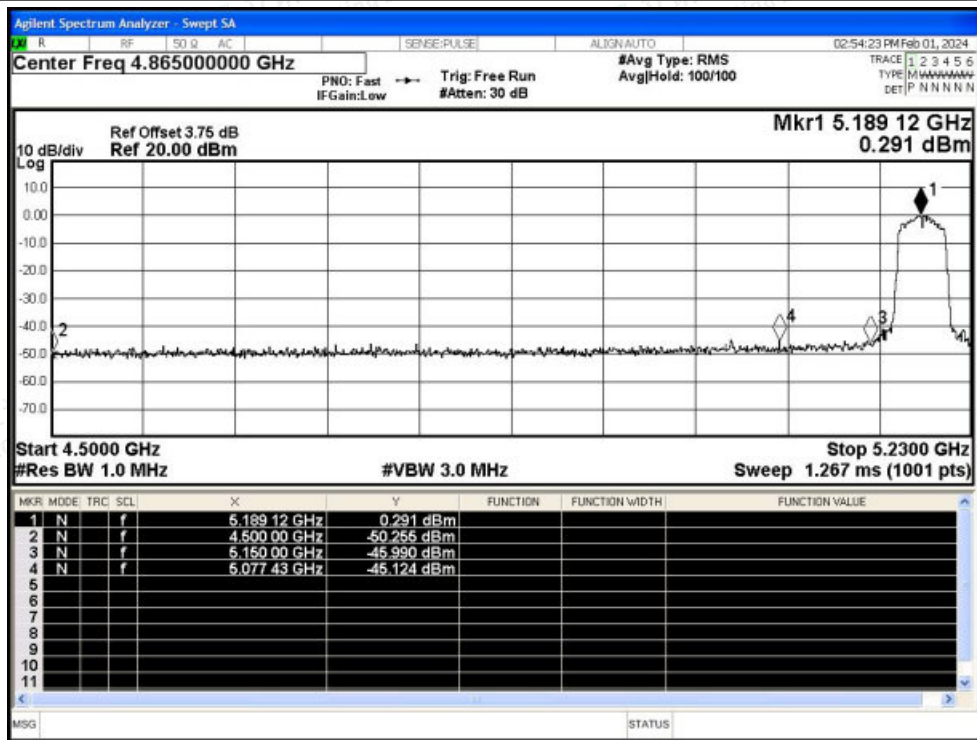


Restrict Band NVNT ac20 5240MHz Ant1 Average

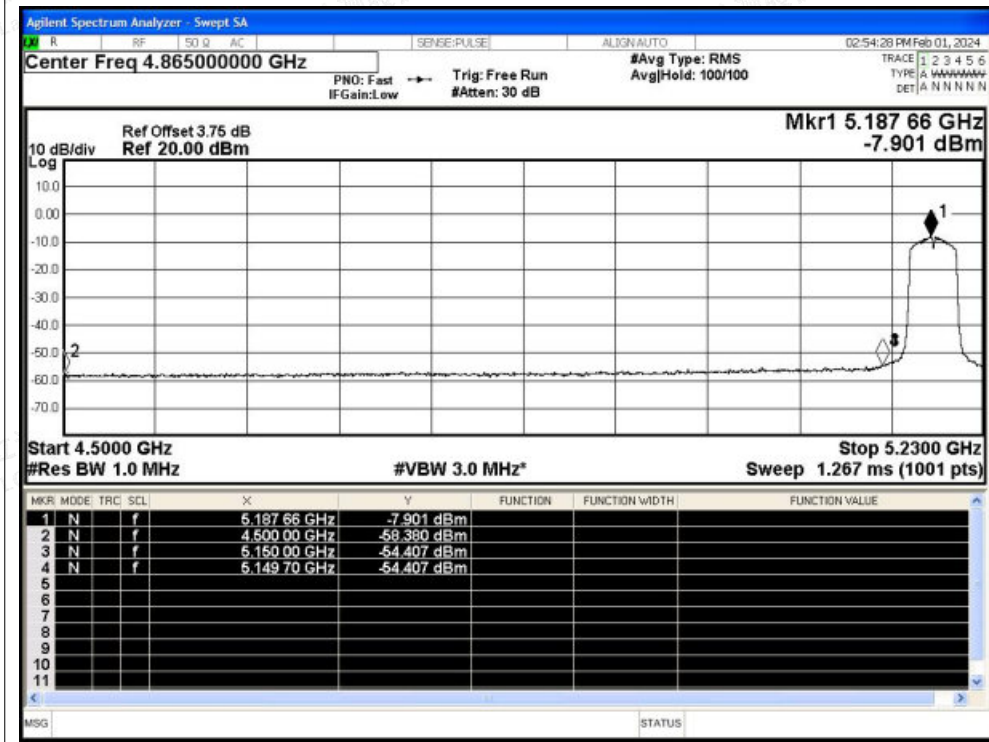




Restrict Band NVNT ac40 5190MHz Ant1 Peak

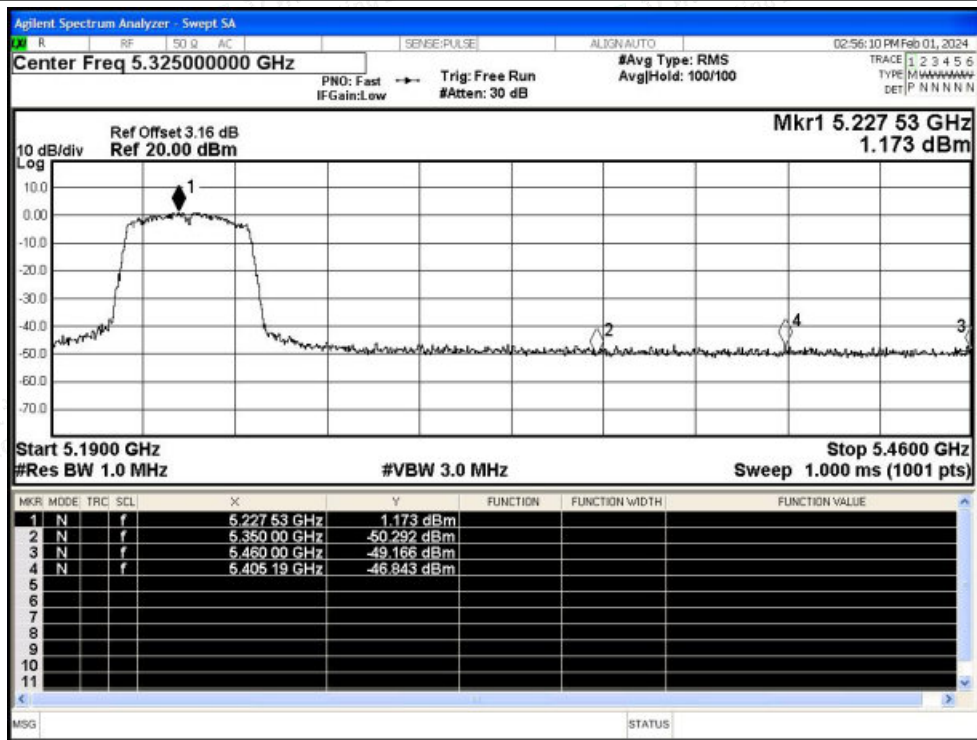


Restrict Band NVNT ac40 5190MHz Ant1 Average

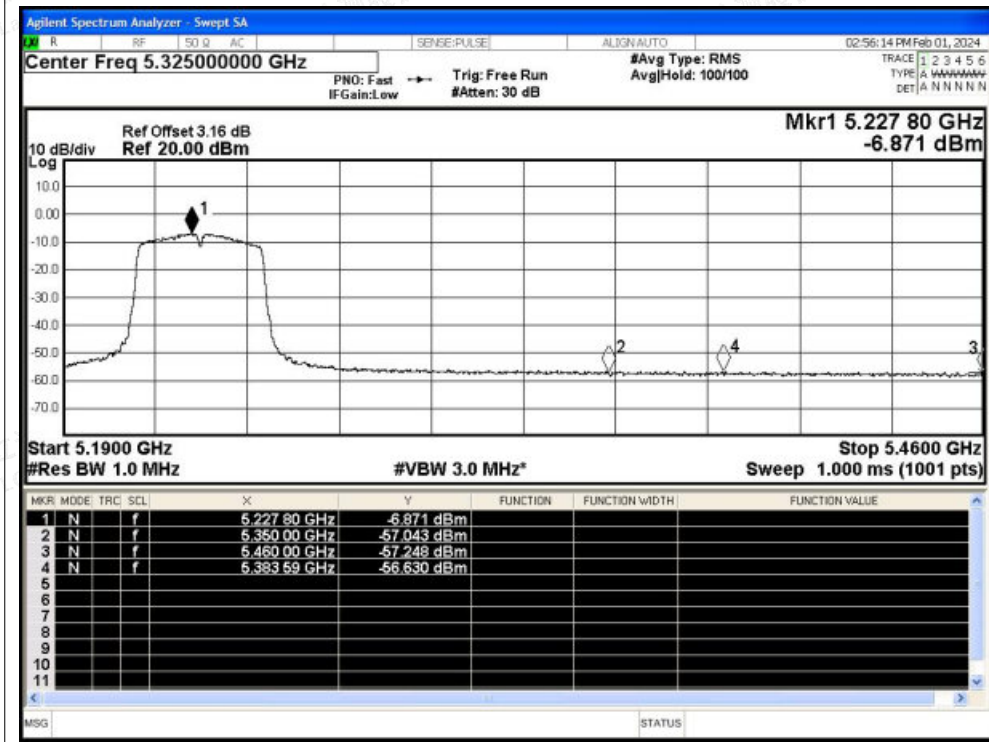




Restrict Band NVNT ac40 5230MHz Ant1 Peak

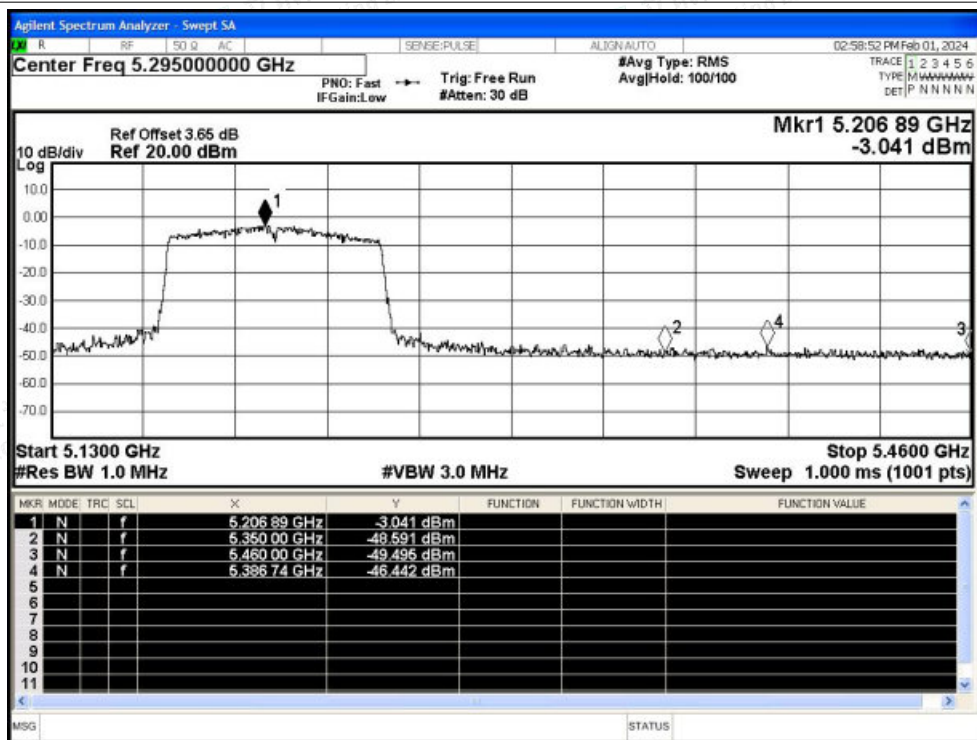


Restrict Band NVNT ac40 5230MHz Ant1 Average





Restrict Band NVNT ac80 5210MHz Ant1 Peak



Restrict Band NVNT ac80 5210MHz Ant1 Average

