



Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: Notebook computer

Test Model: ViosBook

Environmental Conditions

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



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D.1 -26dB Bandwidth

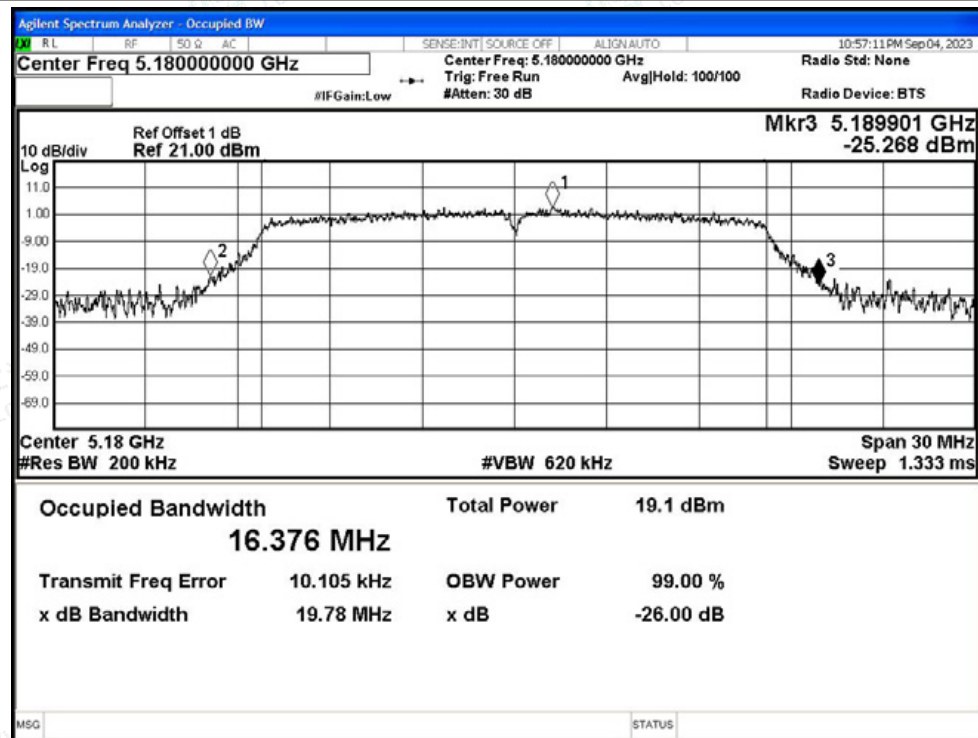
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant0	19.782	0.5	Pass
NVNT	a	5200	Ant0	19.528	0.5	Pass
NVNT	a	5240	Ant0	20.075	0.5	Pass
NVNT	n20	5180	Ant0	19.971	0.5	Pass
NVNT	n20	5200	Ant0	20.186	0.5	Pass
NVNT	n20	5240	Ant0	20.067	0.5	Pass
NVNT	n40	5190	Ant0	39.895	0.5	Pass
NVNT	n40	5230	Ant0	40.382	0.5	Pass
NVNT	ac20	5180	Ant0	20.202	0.5	Pass
NVNT	ac20	5200	Ant0	20.15	0.5	Pass
NVNT	ac20	5240	Ant0	19.846	0.5	Pass
NVNT	ac40	5190	Ant0	39.823	0.5	Pass
NVNT	ac40	5230	Ant0	40.478	0.5	Pass
NVNT	ac80	5210	Ant0	80.216	0.5	Pass





Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant0

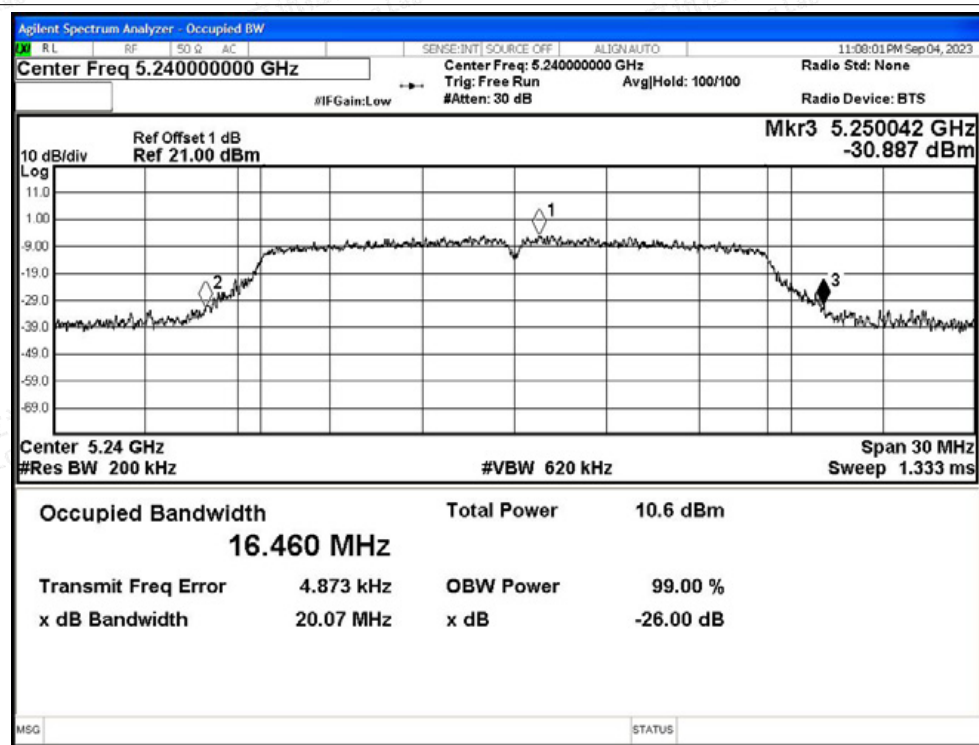


-26dB Bandwidth NVNT a 5200MHz Ant0

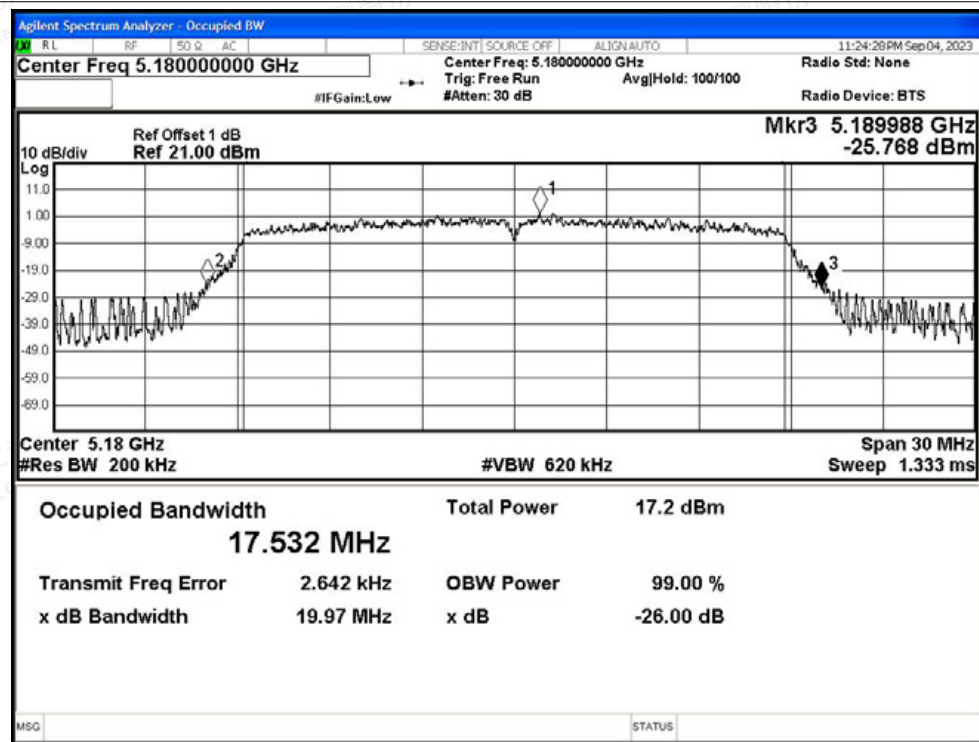




-26dB Bandwidth NVNT a 5240MHz Ant0

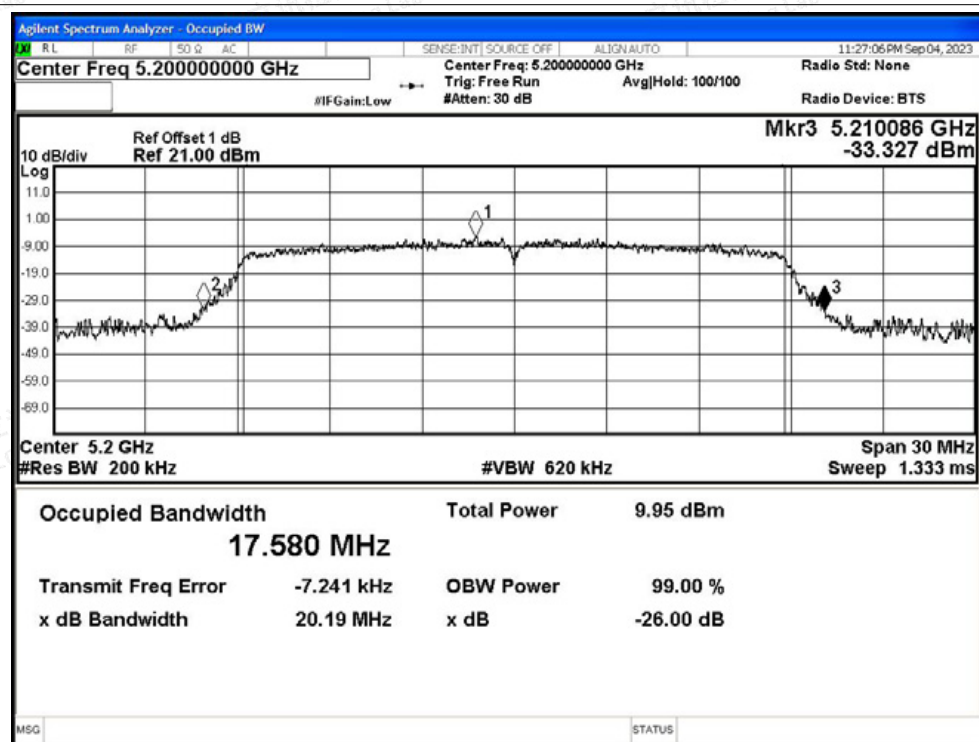


-26dB Bandwidth NVNT n20 5180MHz Ant0

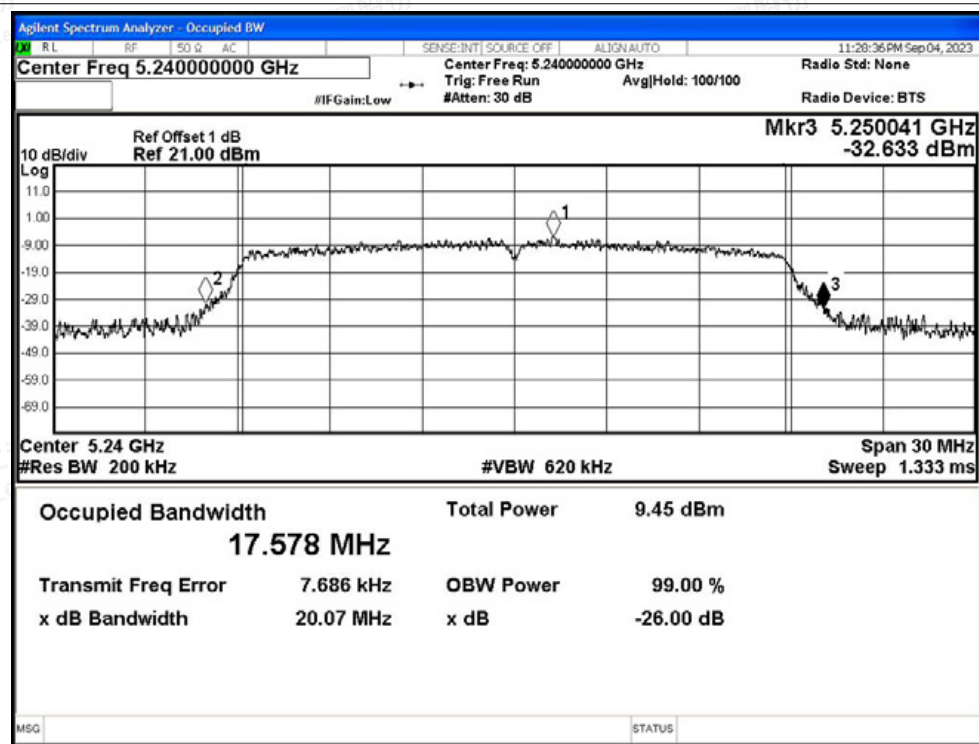




-26dB Bandwidth NVNT n20 5200MHz Ant0

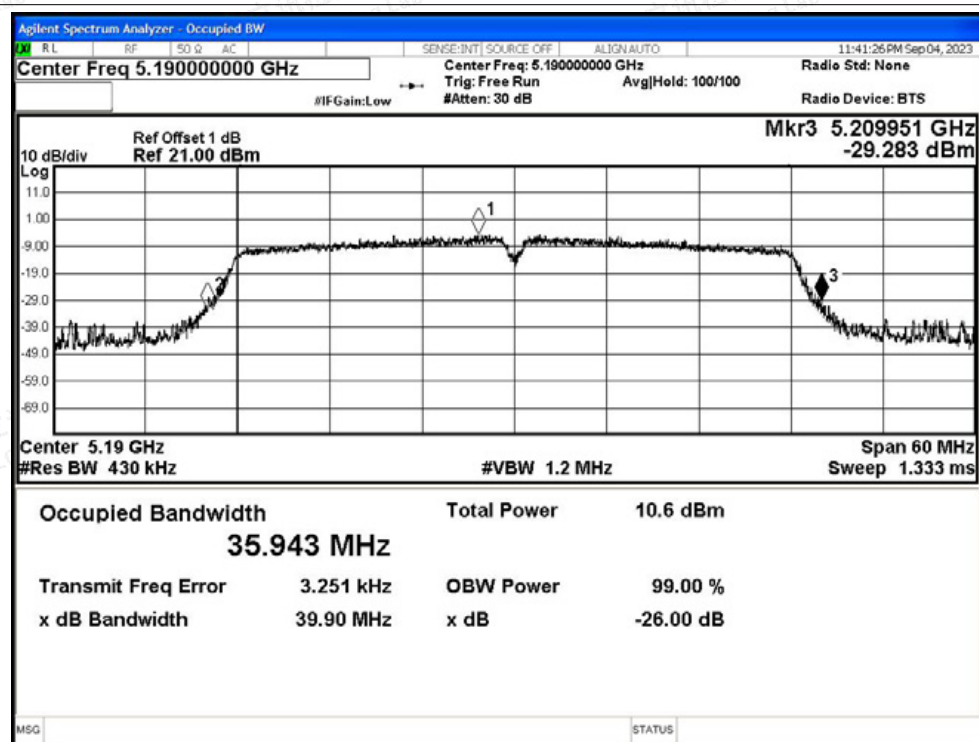


-26dB Bandwidth NVNT n20 5240MHz Ant0

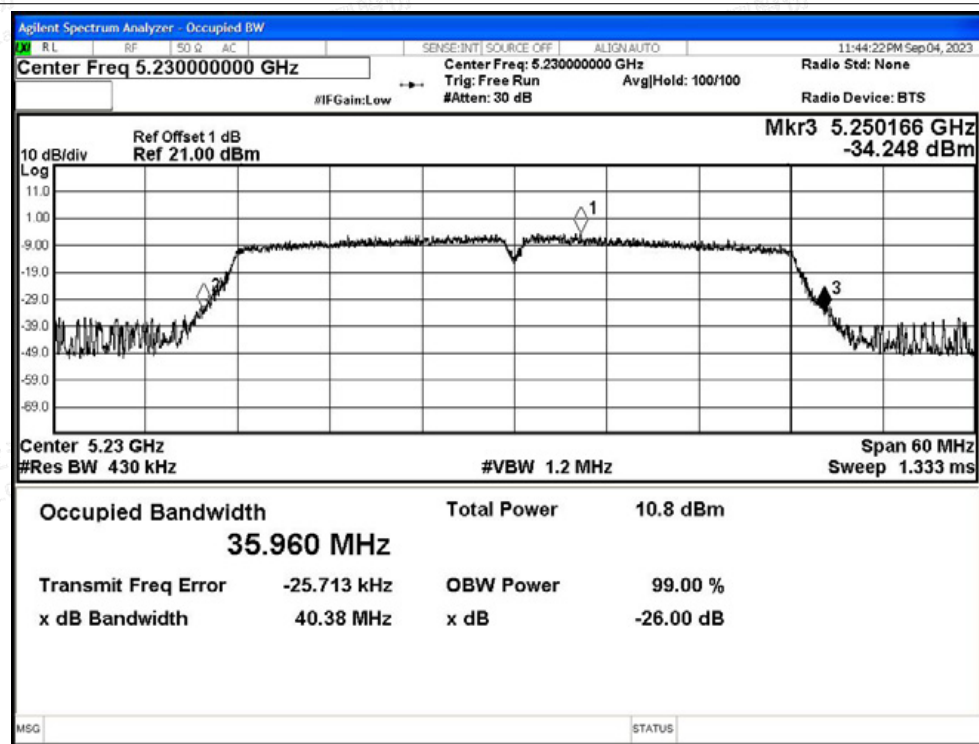




-26dB Bandwidth NVNT n40 5190MHz Ant0

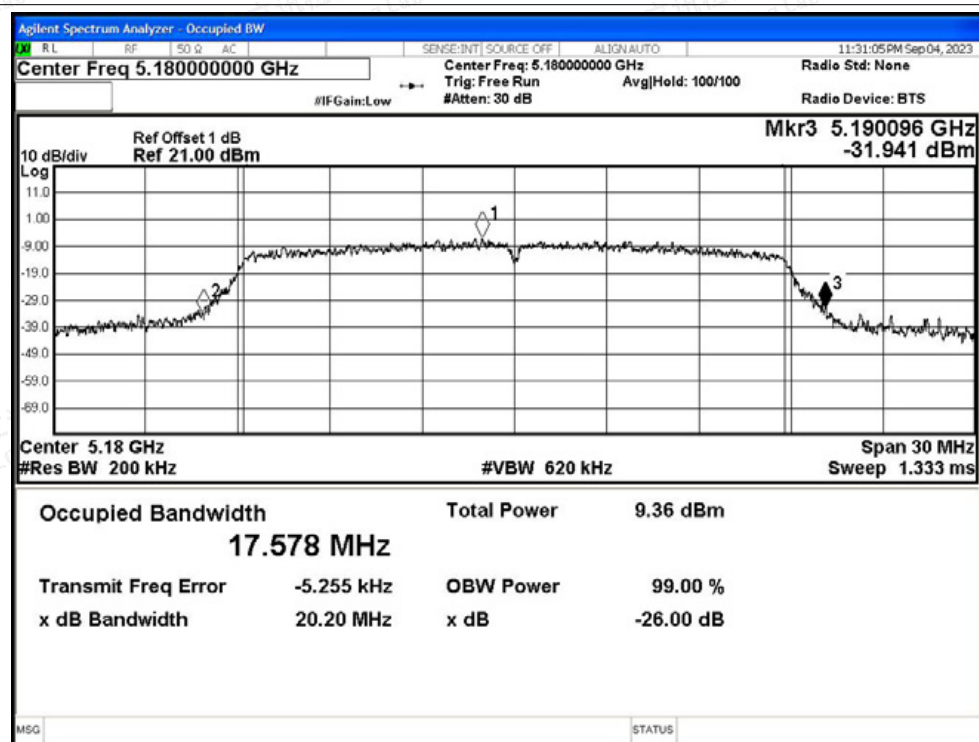


-26dB Bandwidth NVNT n40 5230MHz Ant0

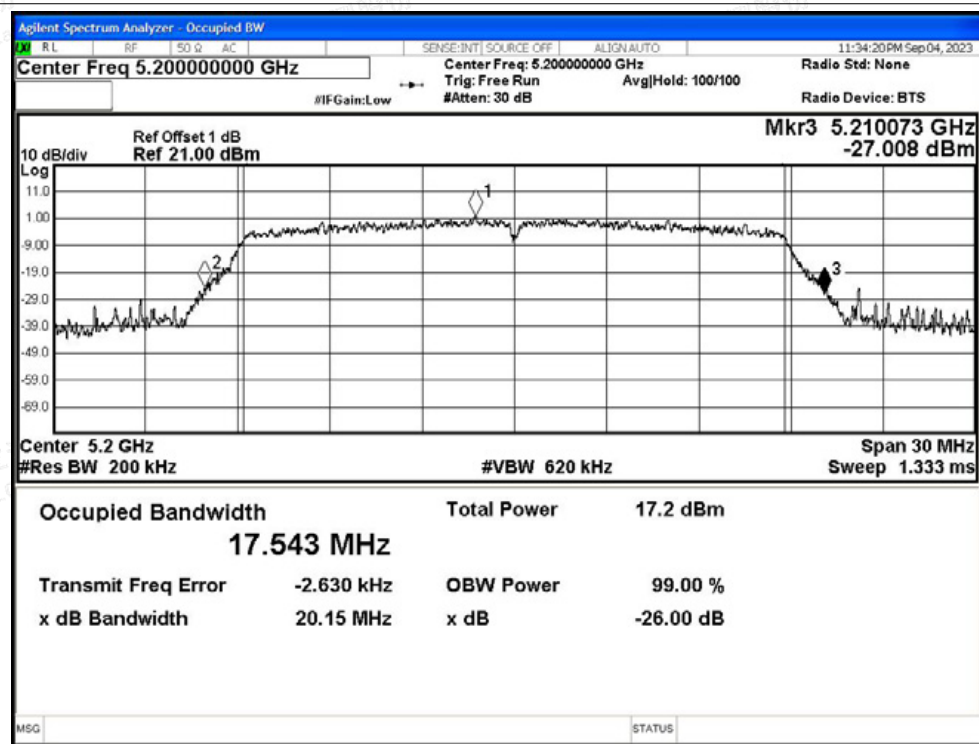




-26dB Bandwidth NVNT ac20 5180MHz Ant0

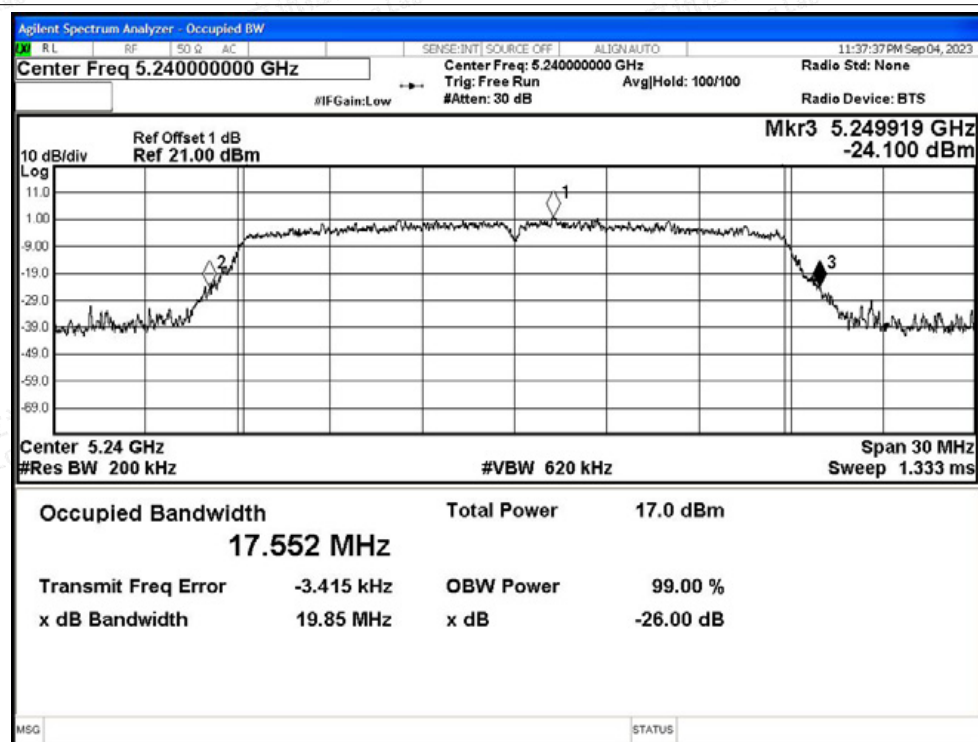


-26dB Bandwidth NVNT ac20 5200MHz Ant0

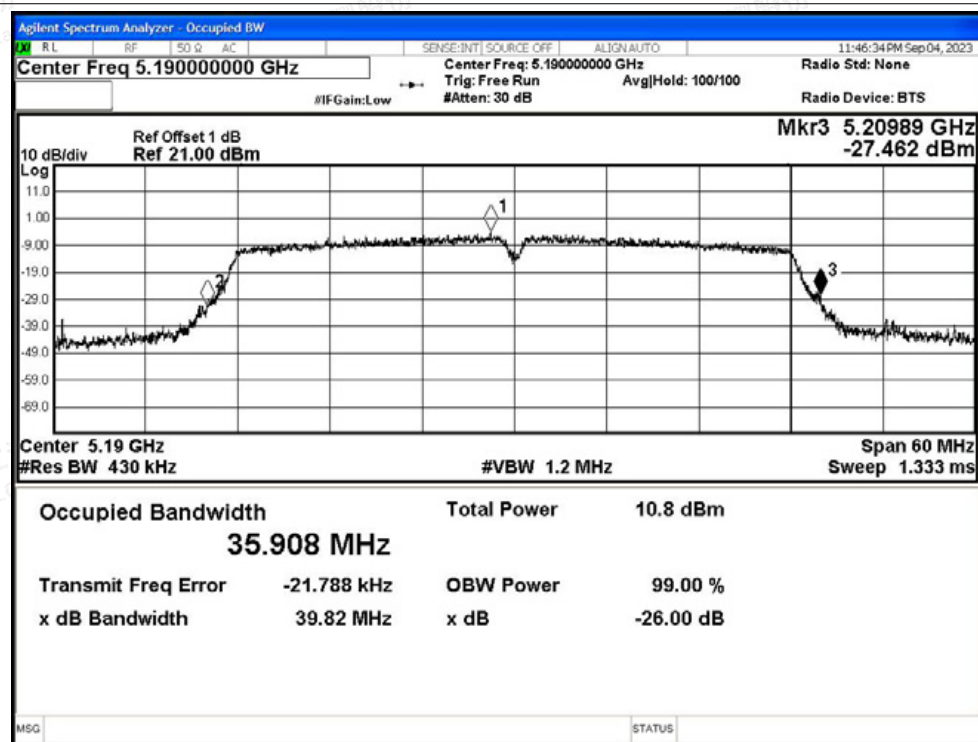




-26dB Bandwidth NVNT ac20 5240MHz Ant0

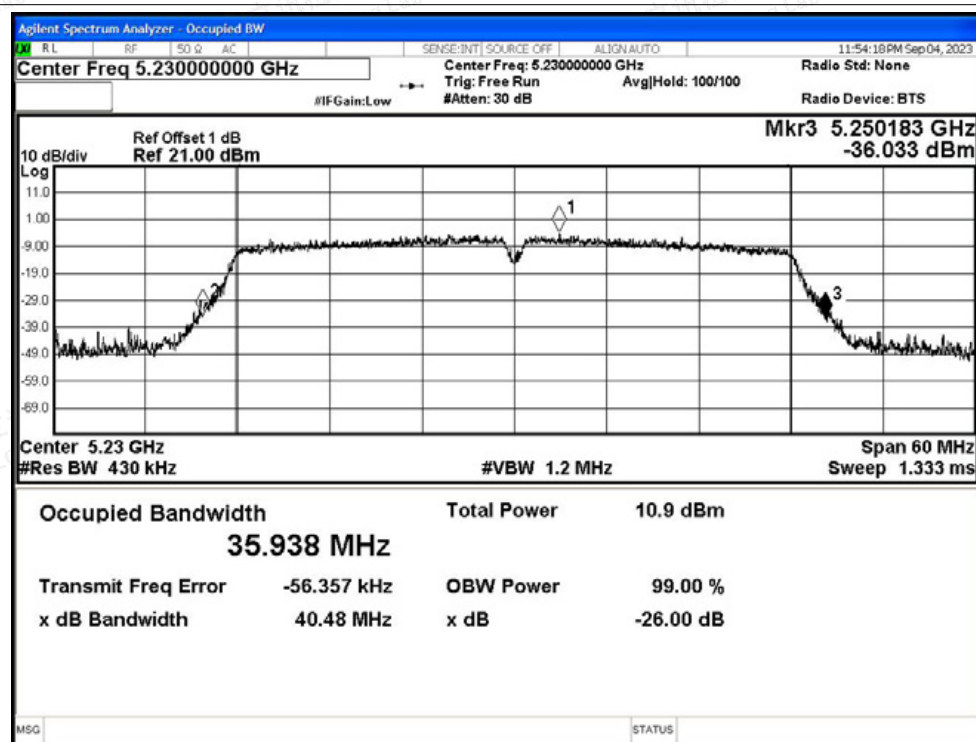


-26dB Bandwidth NVNT ac40 5190MHz Ant0

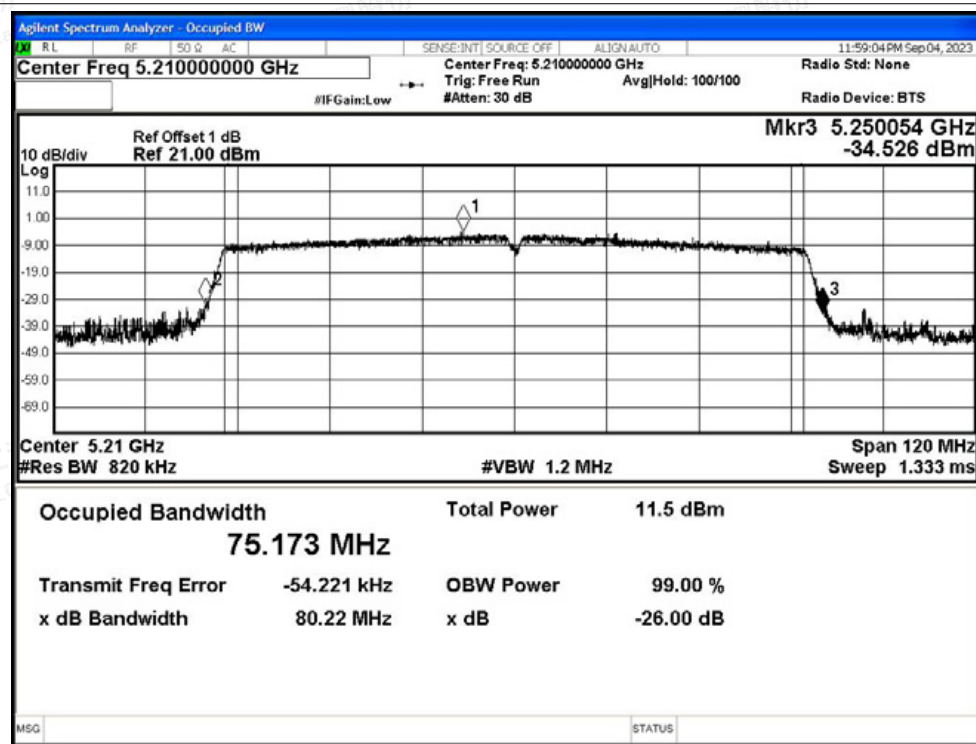




-26dB Bandwidth NVNT ac40 5230MHz Ant0



-26dB Bandwidth NVNT ac80 5210MHz Ant0



Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
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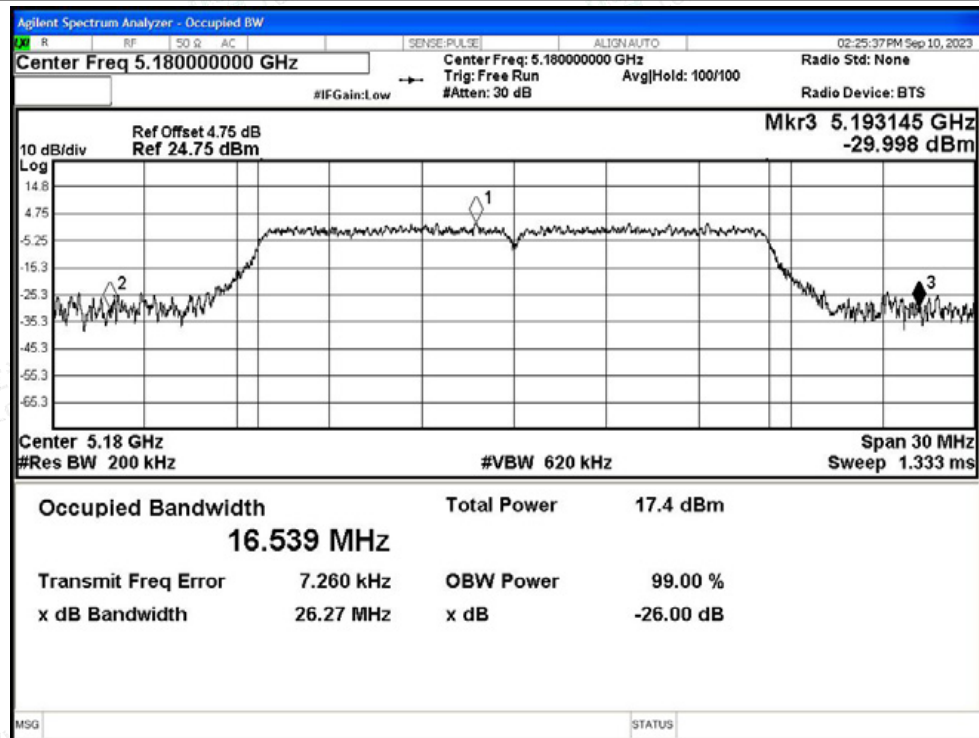
NVNT	a	5180	Ant1	26.275	---	Pass
NVNT	a	5200	Ant1	23.662	---	Pass
NVNT	a	5240	Ant1	23.641	---	Pass
NVNT	n20	5180	Ant1	27.223	---	Pass
NVNT	n20	5200	Ant1	26.079	---	Pass
NVNT	n20	5240	Ant1	26.335	---	Pass
NVNT	n40	5190	Ant1	51.391	---	Pass
NVNT	n40	5230	Ant1	45.77	---	Pass
NVNT	ac20	5180	Ant1	26.651	---	Pass
NVNT	ac20	5200	Ant1	25.719	---	Pass
NVNT	ac20	5240	Ant1	26.985	---	Pass
NVNT	ac40	5190	Ant1	44.423	---	Pass
NVNT	ac40	5230	Ant1	48.836	---	Pass
NVNT	ac80	5210	Ant1	80.186	---	Pass



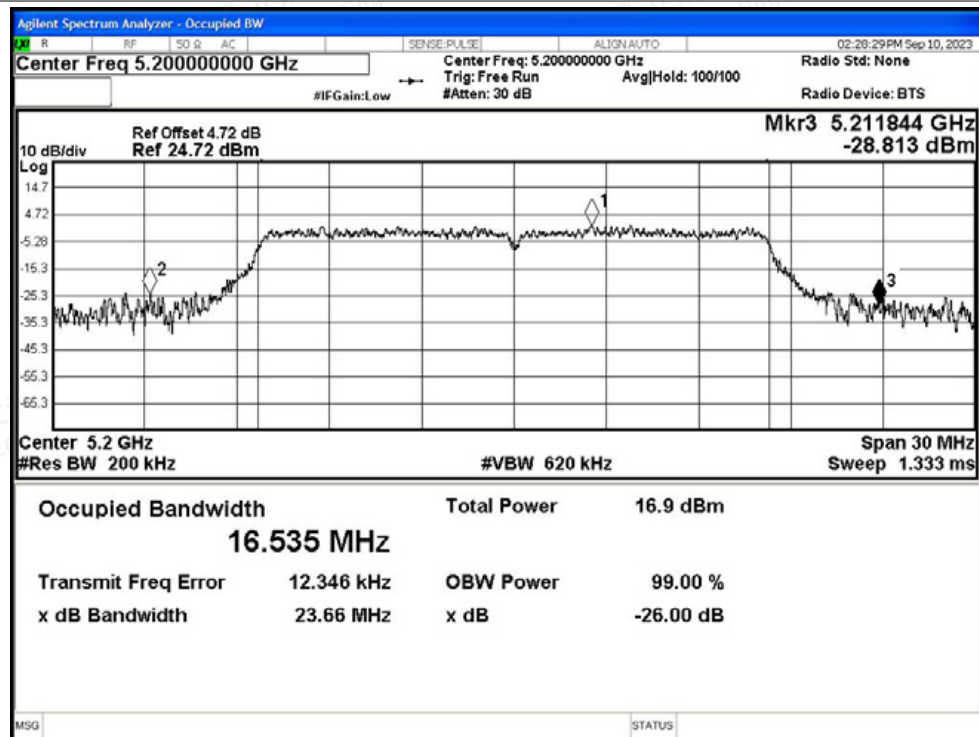


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1

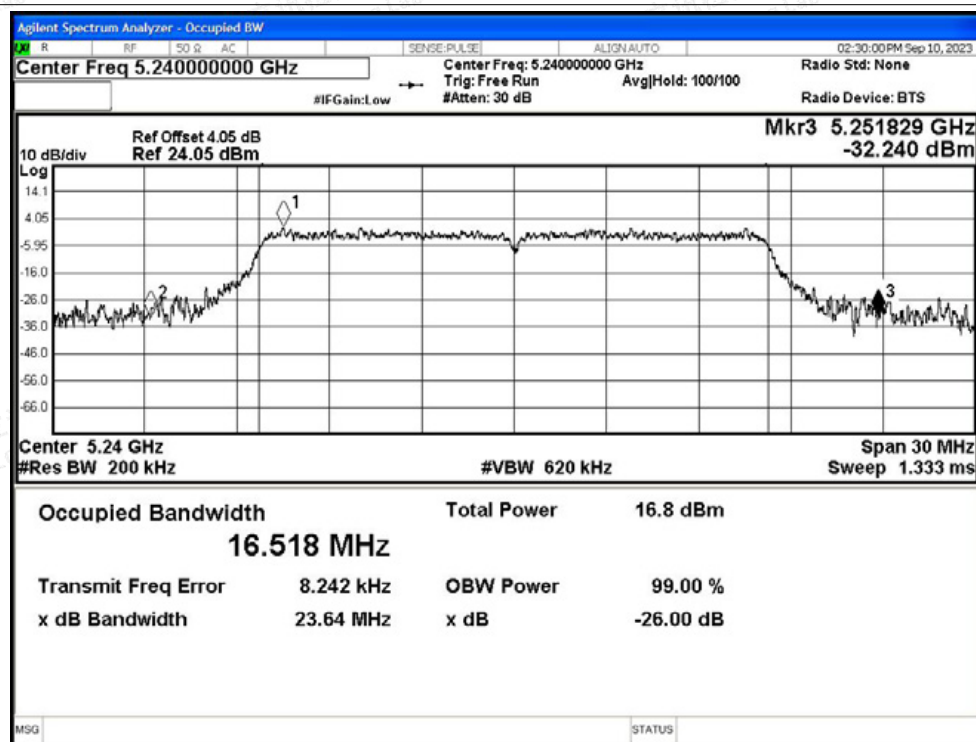


-26dB Bandwidth NVNT a 5200MHz Ant1

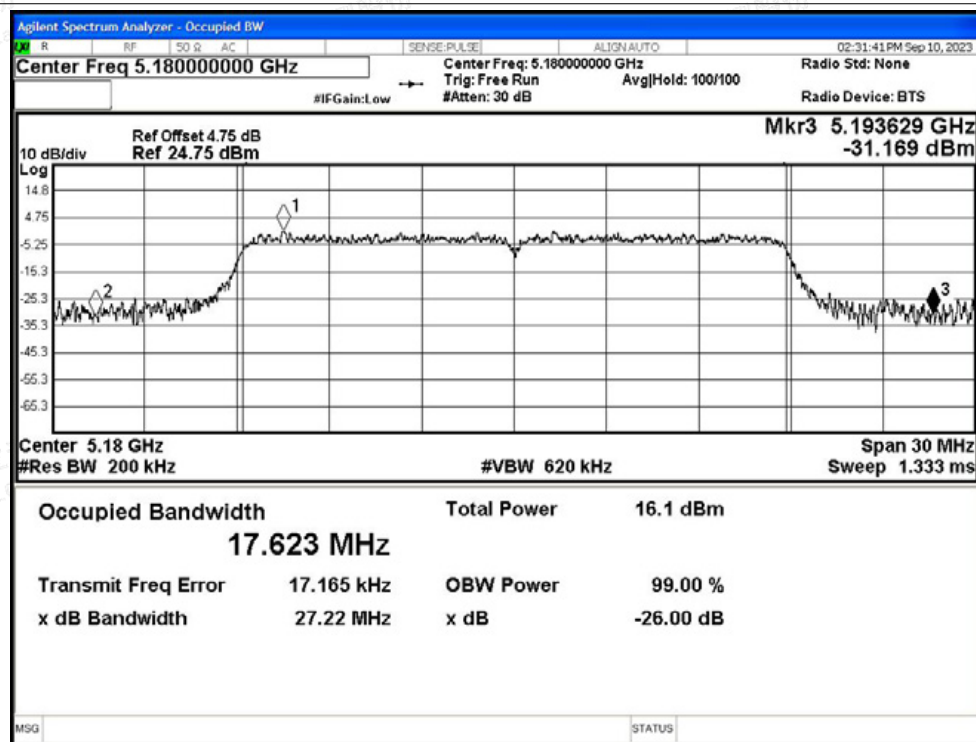




-26dB Bandwidth NVNT a 5240MHz Ant1

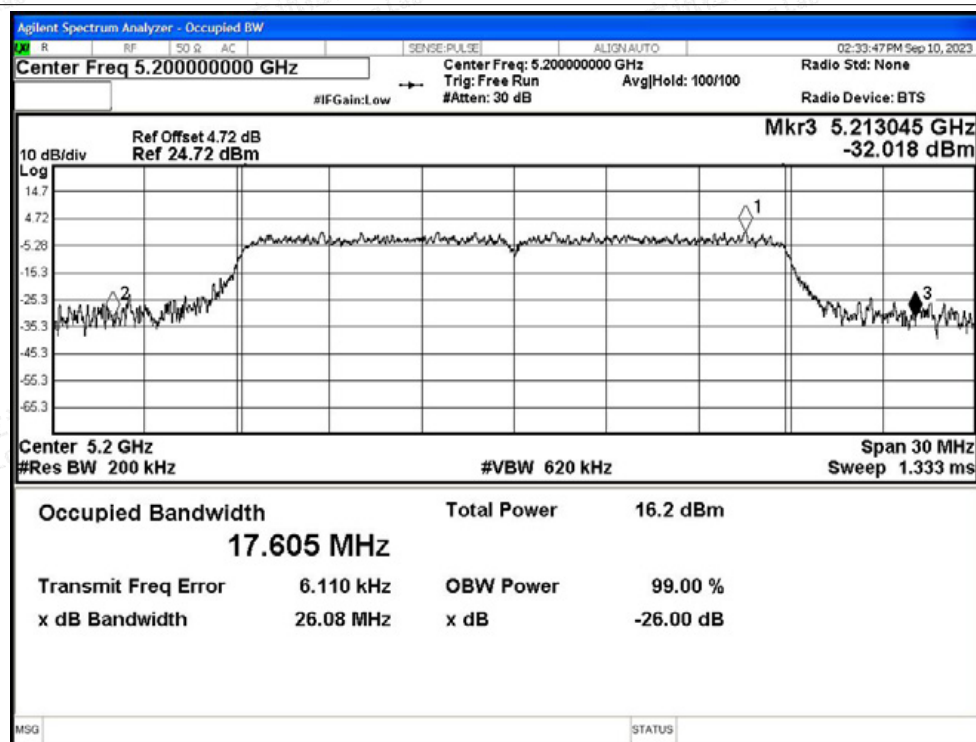


-26dB Bandwidth NVNT n20 5180MHz Ant1

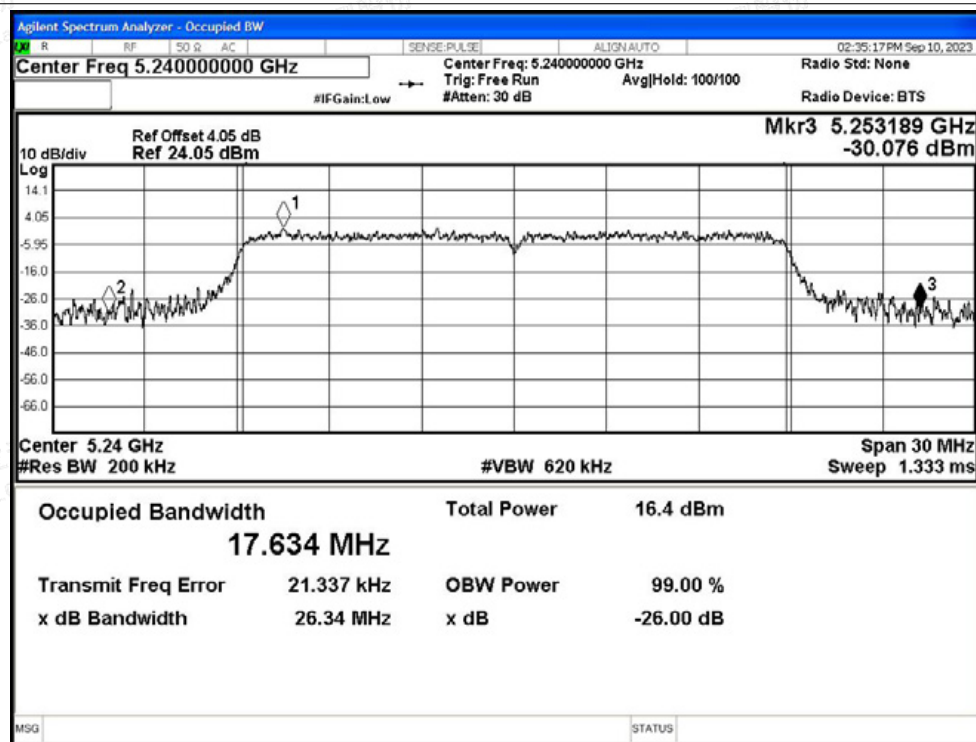




-26dB Bandwidth NVNT n20 5200MHz Ant1

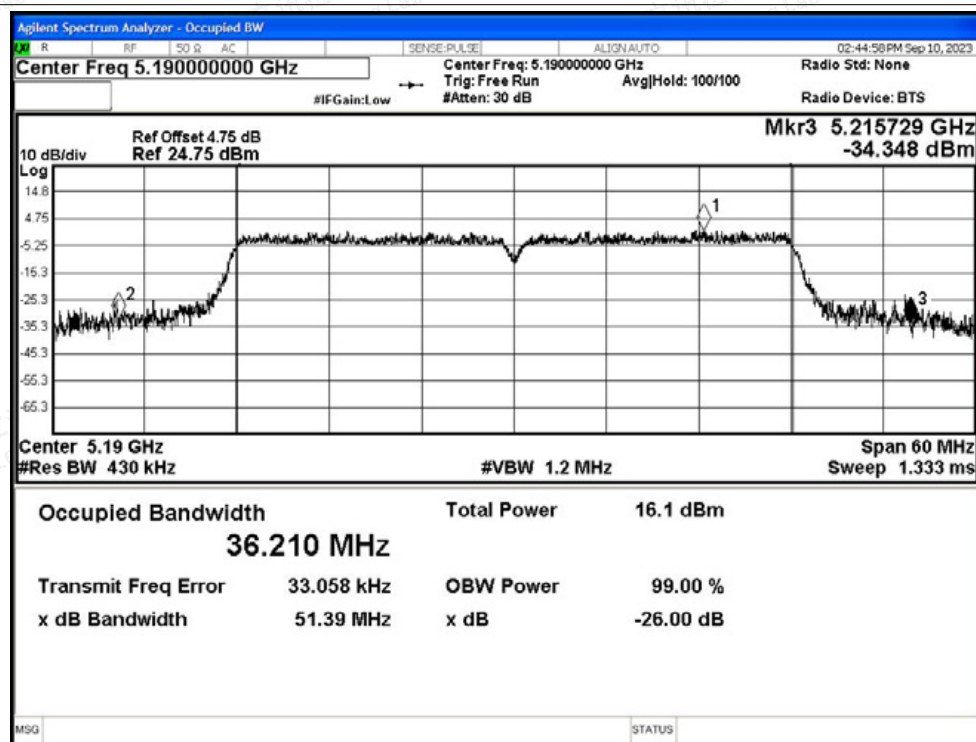


-26dB Bandwidth NVNT n20 5240MHz Ant1

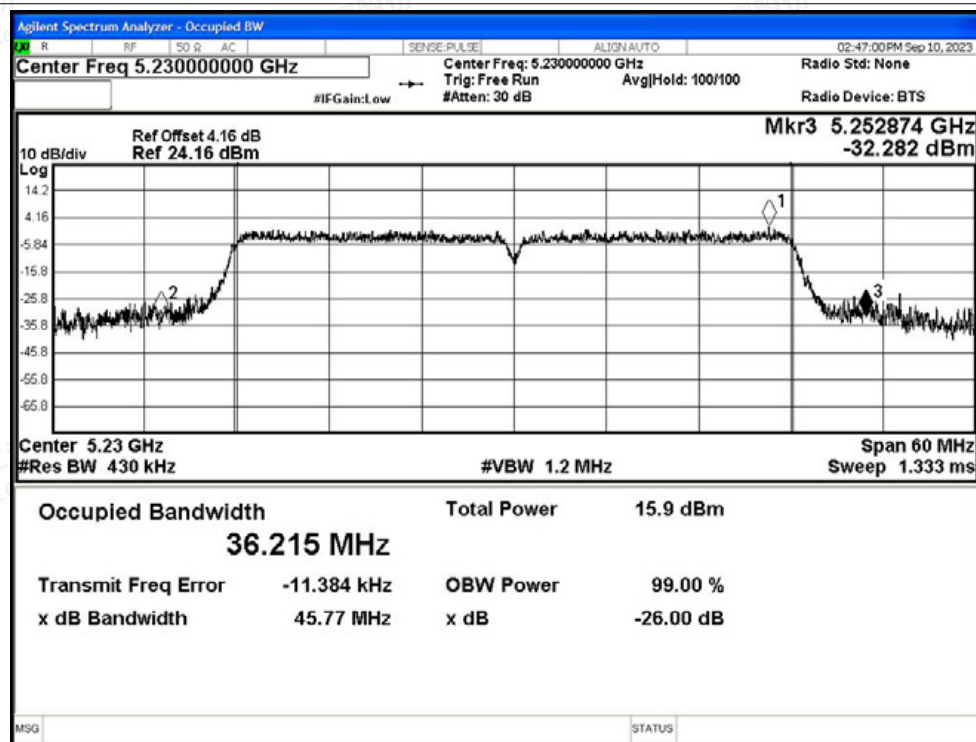




-26dB Bandwidth NVNT n40 5190MHz Ant1

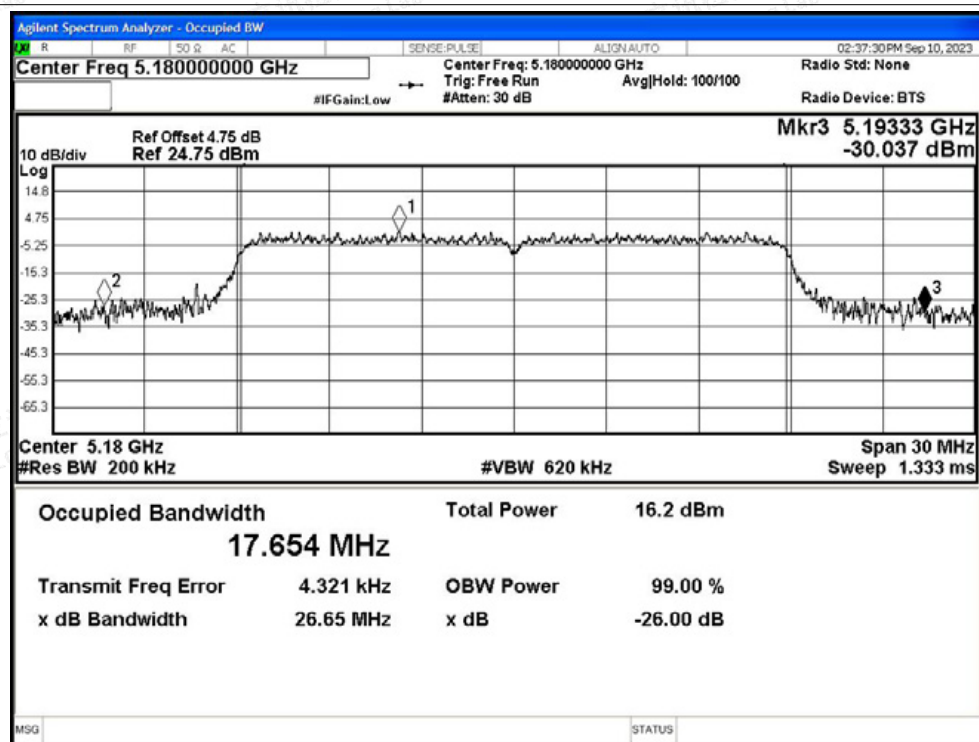


-26dB Bandwidth NVNT n40 5230MHz Ant1

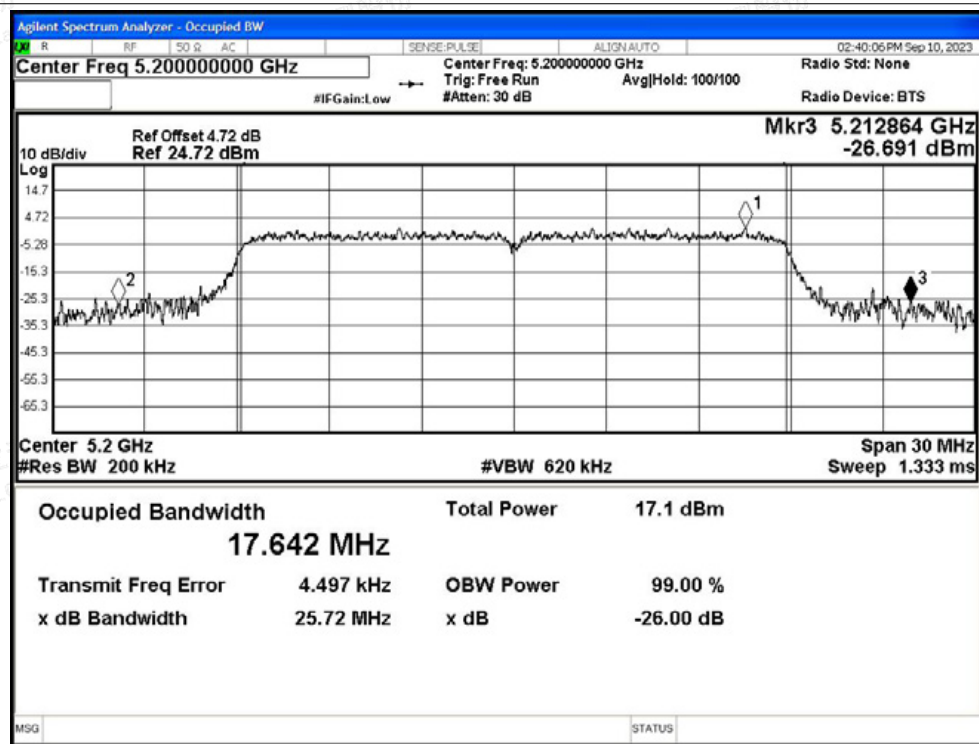




-26dB Bandwidth NVNT ac20 5180MHz Ant1

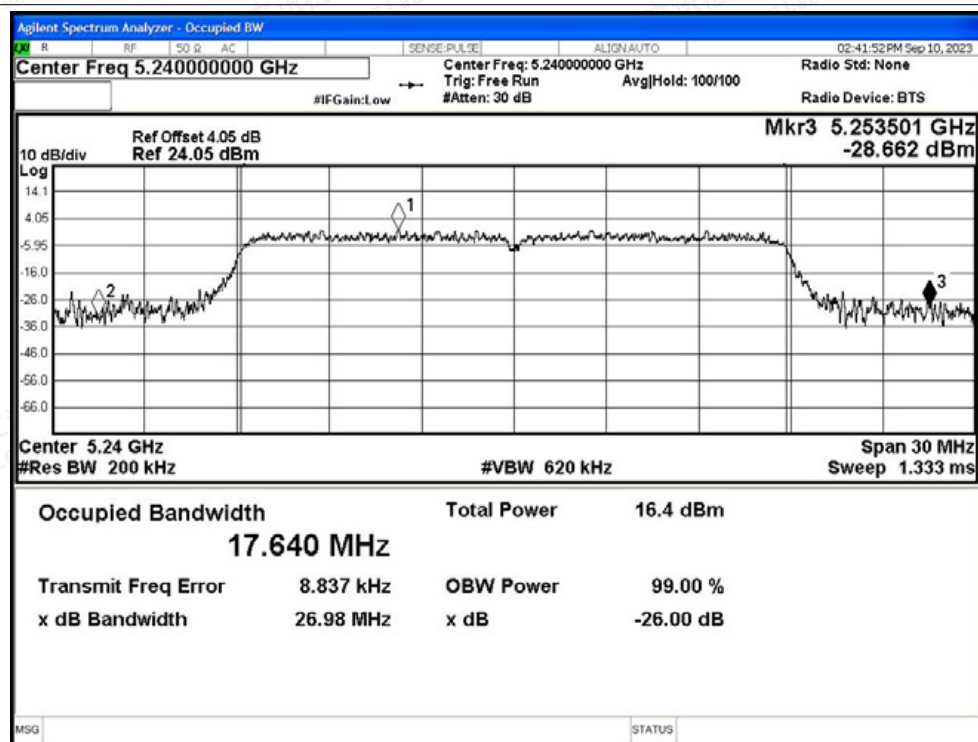


-26dB Bandwidth NVNT ac20 5200MHz Ant1

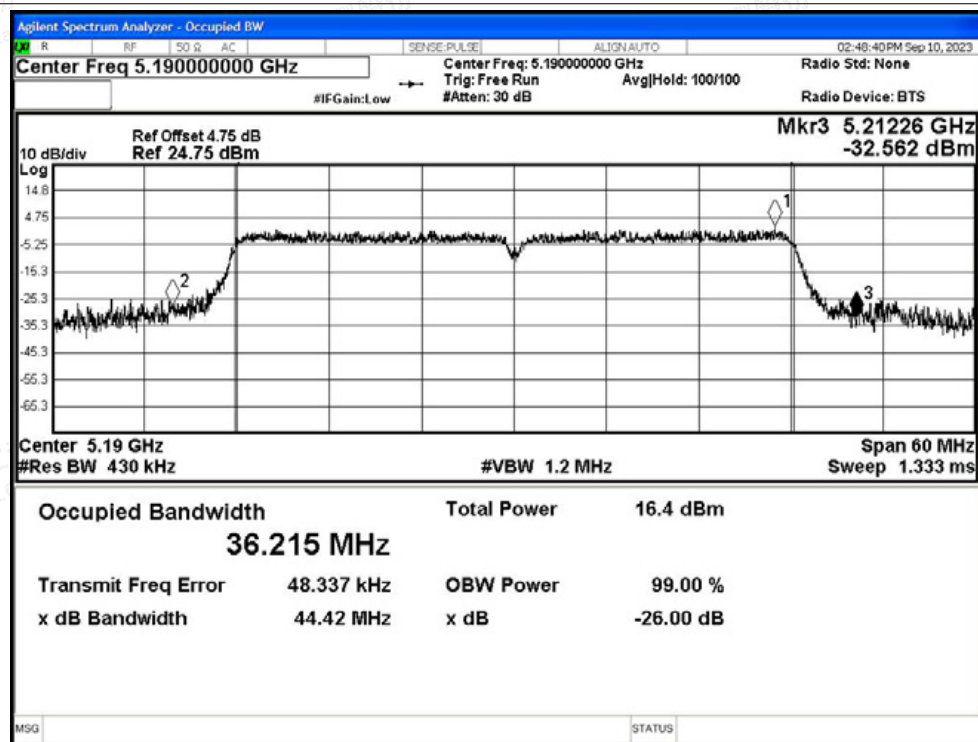




-26dB Bandwidth NVNT ac20 5240MHz Ant1

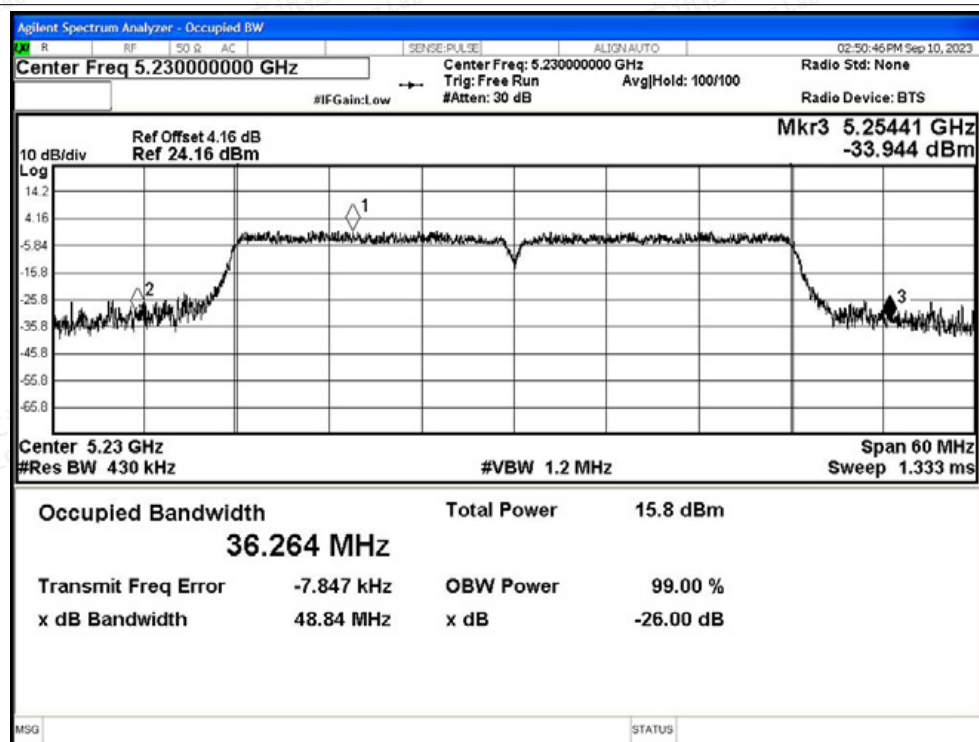


-26dB Bandwidth NVNT ac40 5190MHz Ant1

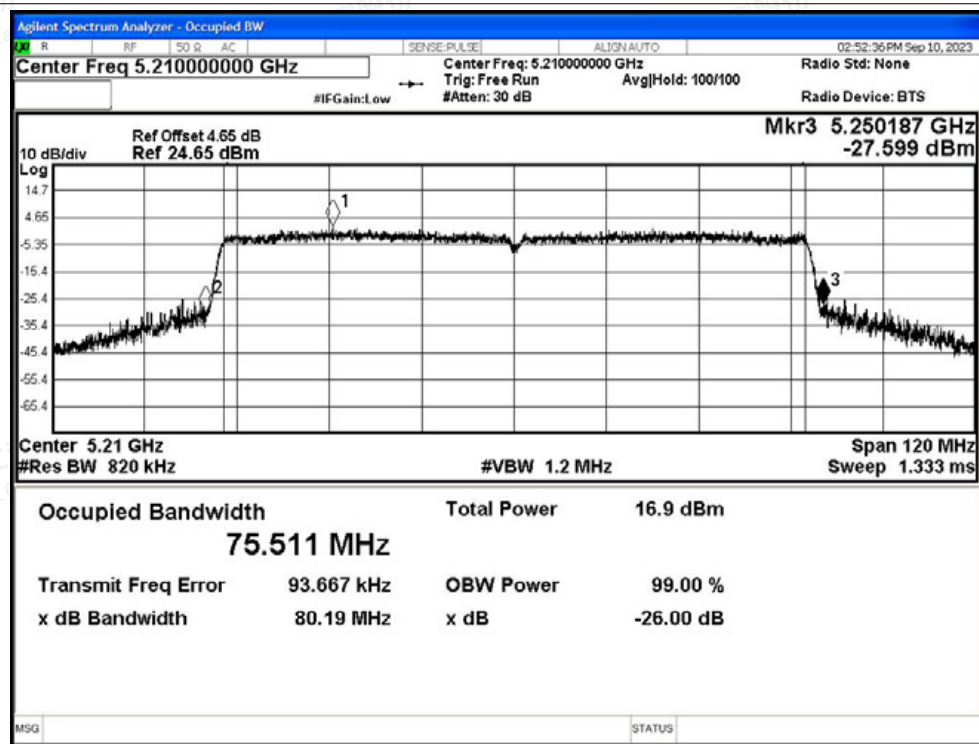




-26dB Bandwidth NVNT ac40 5230MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant1





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	Ant0	12.03	0.14	12.17	24	Pass
NVNT	a	5200	Ant0	12.01	0.14	12.15	24	Pass
NVNT	a	5240	Ant0	11.84	0.14	11.98	24	Pass
NVNT	n20	5180	Ant0	12	0.15	12.15	24	Pass
NVNT	n20	5200	Ant0	12.03	0.15	12.18	24	Pass
NVNT	n20	5240	Ant0	12.02	0.15	12.17	24	Pass
NVNT	n40	5190	Ant0	11.79	0.28	12.07	24	Pass
NVNT	n40	5230	Ant0	11.64	0.29	11.93	24	Pass
NVNT	ac20	5180	Ant0	12	0.14	12.14	24	Pass
NVNT	ac20	5200	Ant0	12.09	0.14	12.23	24	Pass
NVNT	ac20	5240	Ant0	11.94	0.14	12.08	24	Pass
NVNT	ac40	5190	Ant0	11.69	0.28	11.97	24	Pass
NVNT	ac40	5230	Ant0	11.69	0.28	11.97	24	Pass
NVNT	ac80	5210	Ant0	11.64	0.55	12.19	24	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.62	0.24	11.86	24	Pass
NVNT	a	5200	Ant1	11.08	0.24	11.32	24	Pass
NVNT	a	5240	Ant1	11.08	0.24	11.32	24	Pass
NVNT	n20	5180	Ant1	10.46	0.28	10.74	24	Pass
NVNT	n20	5200	Ant1	10.4	0.28	10.68	24	Pass
NVNT	n20	5240	Ant1	10.73	0.28	11.01	24	Pass
NVNT	n40	5190	Ant1	10.33	0.12	10.45	24	Pass
NVNT	n40	5230	Ant1	10.11	0.12	10.23	24	Pass
NVNT	ac20	5180	Ant1	10.46	0.28	10.74	24	Pass
NVNT	ac20	5200	Ant1	10.41	0.28	10.69	24	Pass
NVNT	ac20	5240	Ant1	10.63	0.28	10.91	24	Pass
NVNT	ac40	5190	Ant1	10.64	0.12	10.76	24	Pass
NVNT	ac40	5230	Ant1	10.04	0.12	10.16	24	Pass
NVNT	ac80	5210	Ant1	10.06	0.25	10.31	24	Pass





Condition	Mode	Frequency (MHz)	Ant0 Total Power (dBm)	Ant1 Total Power (dBm)	MIMO Power (dBm)	Limit (dBm)	Verdict
NVNT	n20MIMO	5180	12.15	10.74	14.51	24	Pass
NVNT	n20MIMO	5200	12.18	10.68	14.50	24	Pass
NVNT	n20MIMO	5240	12.17	11.01	14.64	24	Pass
NVNT	n40MIMO	5190	12.07	10.45	14.35	24	Pass
NVNT	n40MIMO	5230	11.93	10.23	14.17	24	Pass
NVNT	ac20MIMO	5180	12.14	10.74	14.51	24	Pass
NVNT	ac20MIMO	5200	12.23	10.69	14.54	24	Pass
NVNT	ac20MIMO	5240	12.08	10.91	14.54	24	Pass
NVNT	ac40MIMO	5190	11.97	10.76	14.42	24	Pass
NVNT	ac40MIMO	5230	11.97	10.16	14.17	24	Pass
NVNT	ac80MIMO	5210	12.19	10.31	14.36	24	Pass





D.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant0	-0.76	0.14	-0.62	11	Pass
NVNT	a	5200	Ant0	-1.07	0.14	-0.93	11	Pass
NVNT	a	5240	Ant0	-1.56	0.14	-1.42	11	Pass
NVNT	n20	5180	Ant0	-1.26	0.15	-1.11	11	Pass
NVNT	n20	5200	Ant0	-1.36	0.15	-1.21	11	Pass
NVNT	n20	5240	Ant0	-1.43	0.15	-1.28	11	Pass
NVNT	n40	5190	Ant0	-5.92	0.28	-5.64	11	Pass
NVNT	n40	5230	Ant0	-5.68	0.29	-5.39	11	Pass
NVNT	ac20	5180	Ant0	-1.01	0.14	-0.87	11	Pass
NVNT	ac20	5200	Ant0	-1.45	0.14	-1.31	11	Pass
NVNT	ac20	5240	Ant0	-0.64	0.14	-0.5	11	Pass
NVNT	ac40	5190	Ant0	-5.01	0.28	-4.73	11	Pass
NVNT	ac40	5230	Ant0	-5.18	0.28	-4.9	11	Pass
NVNT	ac80	5210	Ant0	-11.41	0.55	-10.86	11	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	0.94	0.24	1.18	11	Pass
NVNT	a	5200	Ant1	0.57	0.24	0.81	11	Pass
NVNT	a	5240	Ant1	0.6	0.24	0.84	11	Pass
NVNT	n20	5180	Ant1	-0.36	0.28	-0.08	11	Pass
NVNT	n20	5200	Ant1	-0.39	0.28	-0.11	11	Pass
NVNT	n20	5240	Ant1	0.04	0.28	0.32	11	Pass
NVNT	n40	5190	Ant1	-3.45	0.12	-3.33	11	Pass
NVNT	n40	5230	Ant1	-3.44	0.12	-3.32	11	Pass
NVNT	ac20	5180	Ant1	-0.3	0.28	-0.02	11	Pass
NVNT	ac20	5200	Ant1	0.54	0.28	0.82	11	Pass
NVNT	ac20	5240	Ant1	0.03	0.28	0.31	11	Pass
NVNT	ac40	5190	Ant1	-3.02	0.12	-2.9	11	Pass
NVNT	ac40	5230	Ant1	-3.77	0.12	-3.65	11	Pass
NVNT	ac80	5210	Ant1	-6.35	0.25	-6.1	11	Pass

Condition	Mode	Frequency (MHz)	Ant0 Total PSD (dBm/MHz)	Ant1 Total PSD (dBm/MHz)	MIMO PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	n20MIMO	5180	-1.11	-0.08	2.45	11	Pass
NVNT	n20MIMO	5200	-1.21	-0.11	2.39	11	Pass
NVNT	n20MIMO	5240	-1.28	0.32	2.60	11	Pass



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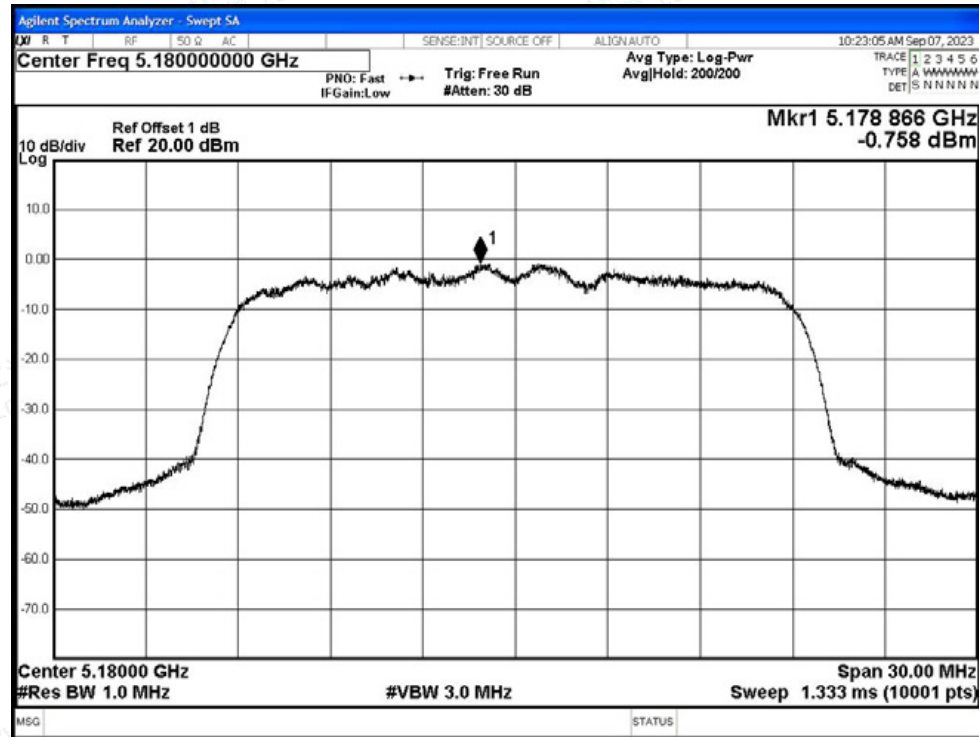
NVNT	n40MIMO	5190	-5.64	-3.33	-1.32	11	Pass
NVNT	n40MIMO	5230	-5.39	-3.32	-1.22	11	Pass
NVNT	ac20MIMO	5180	-0.87	-0.02	2.59	11	Pass
NVNT	ac20MIMO	5200	-1.31	0.82	2.89	11	Pass
NVNT	ac20MIMO	5240	-0.5	0.31	2.93	11	Pass
NVNT	ac40MIMO	5190	-4.73	-2.9	-0.71	11	Pass
NVNT	ac40MIMO	5230	-4.9	-3.65	-1.22	11	Pass
NVNT	ac80MIMO	5210	-10.86	-6.1	-4.85	11	Pass



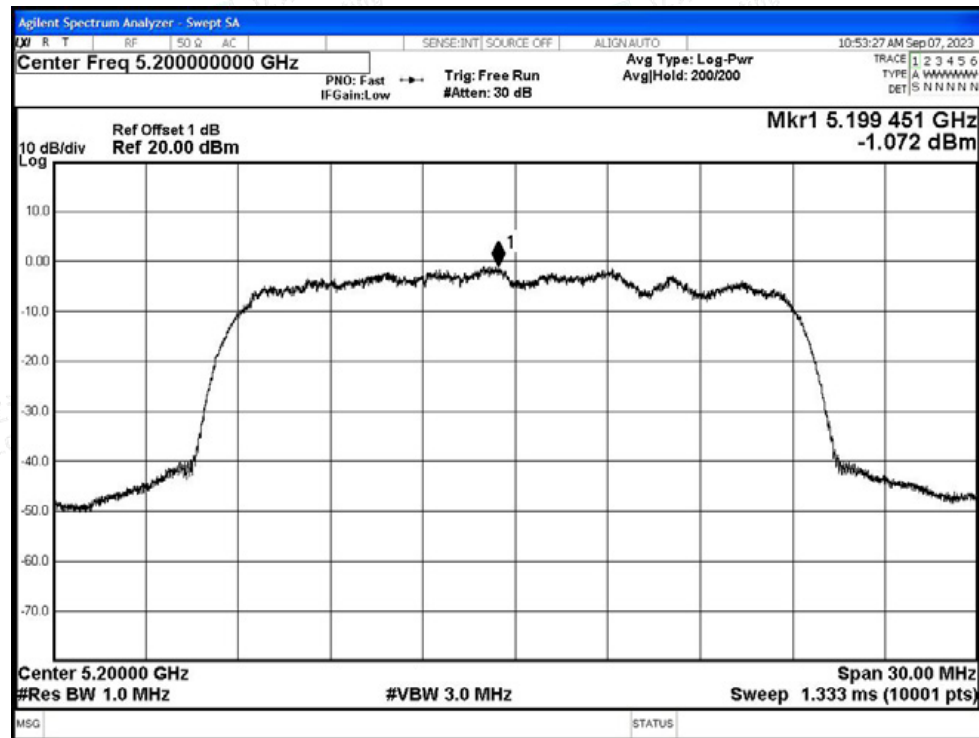


Test Graphs

PSD NVNT a 5180MHz Ant0

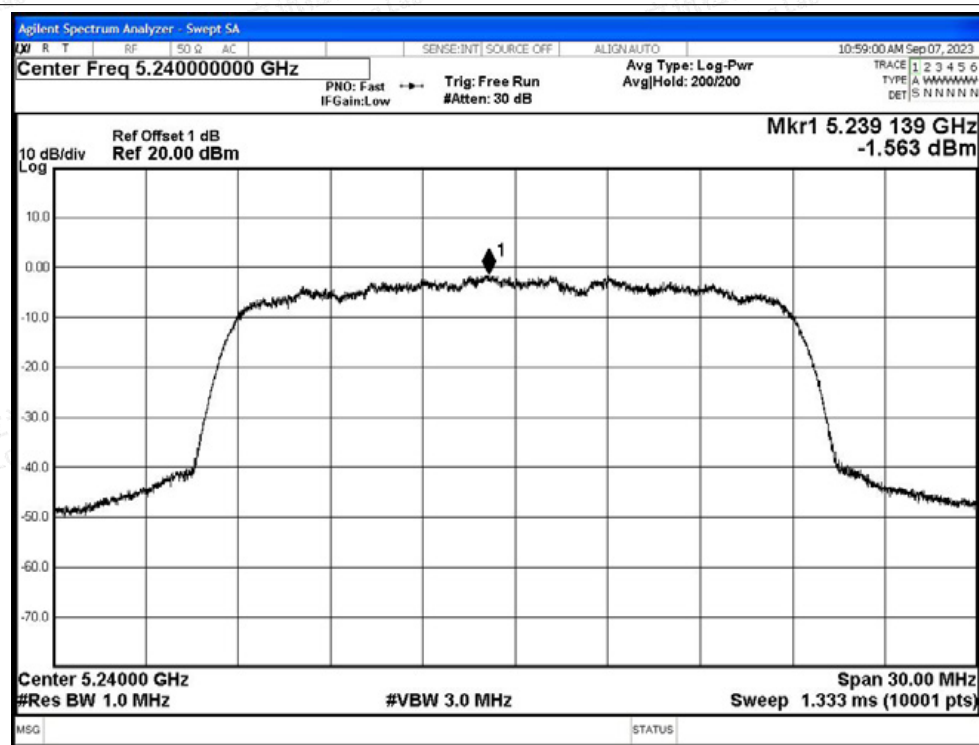


PSD NVNT a 5200MHz Ant0

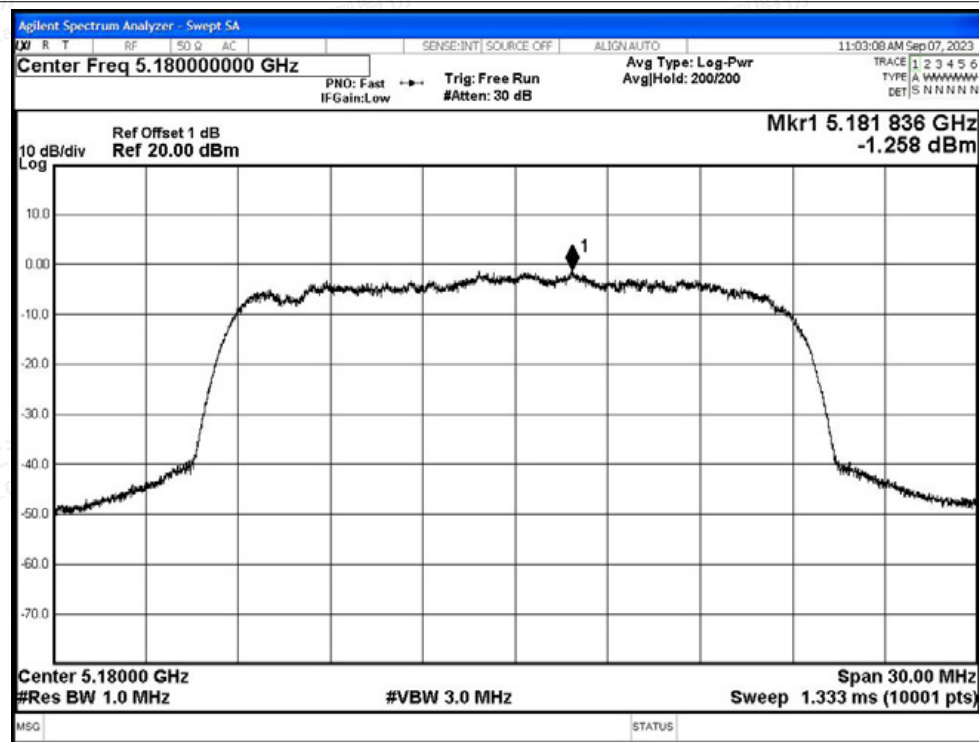


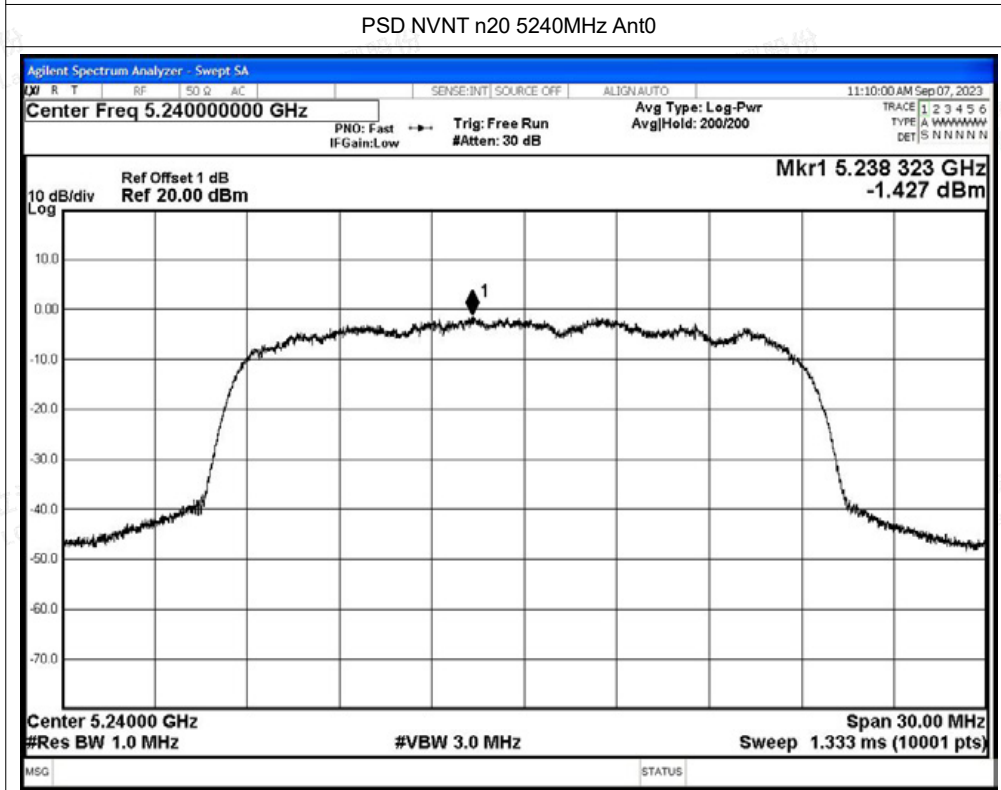
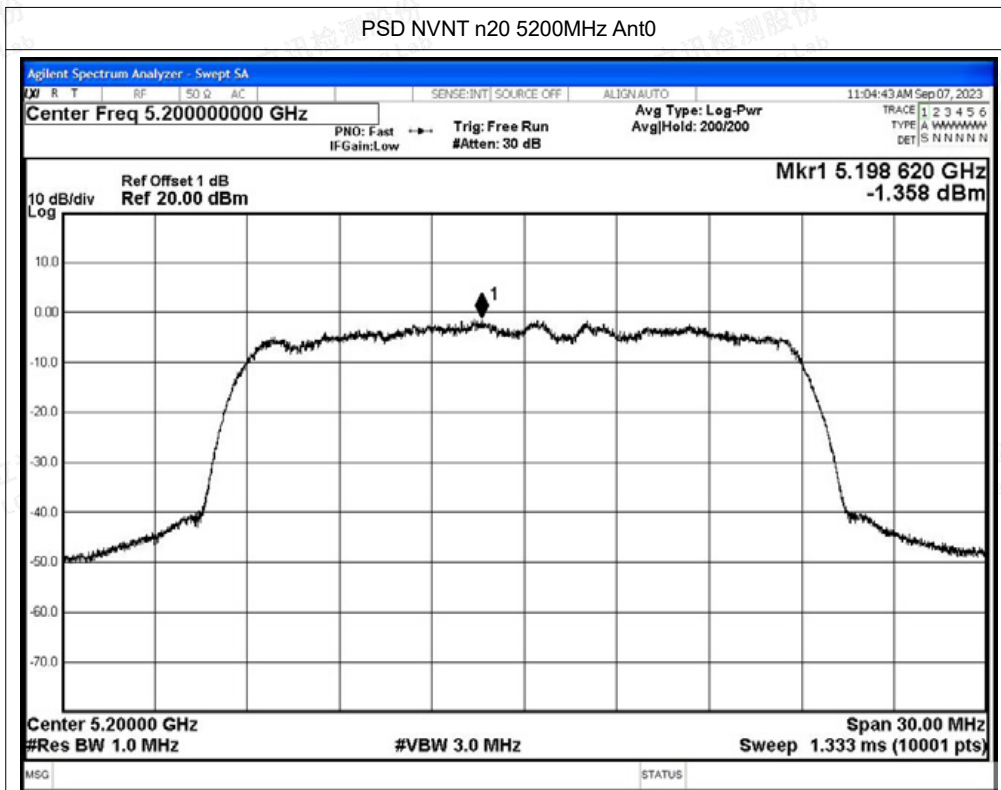


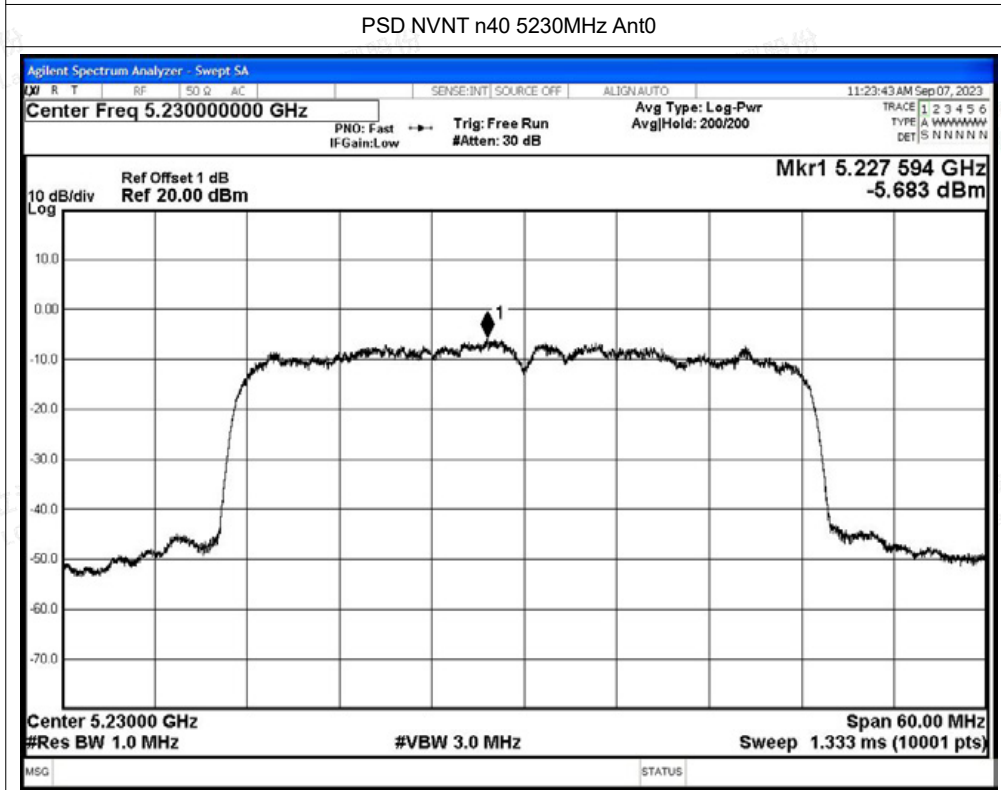
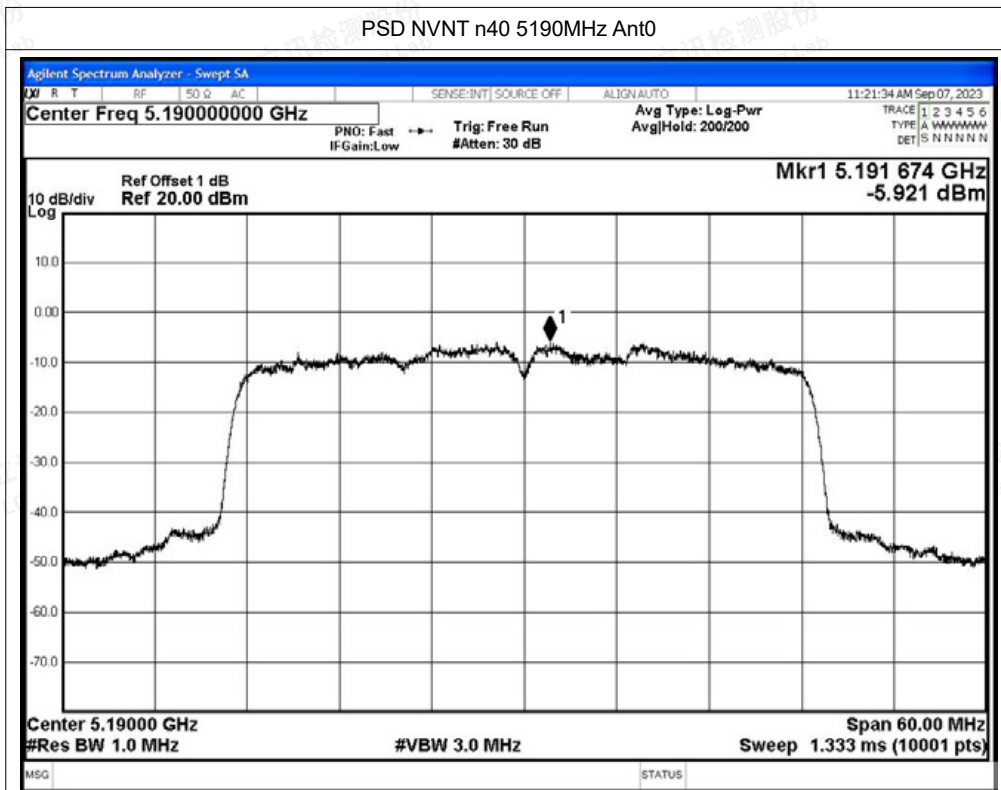
PSD NVNT a 5240MHz Ant0



PSD NVNT n20 5180MHz Ant0

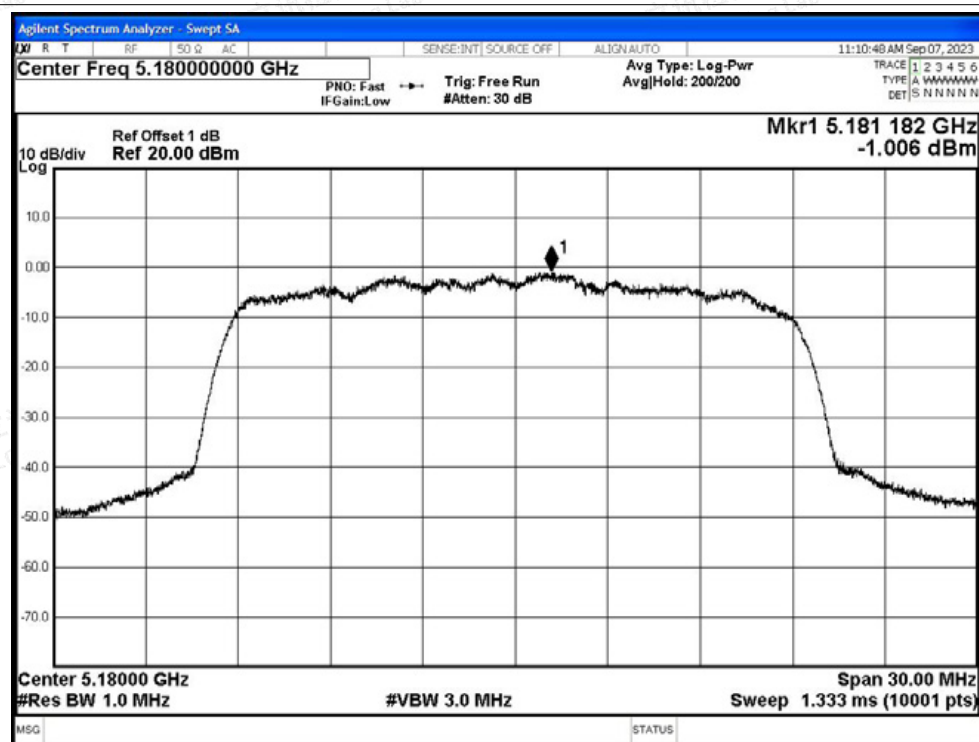




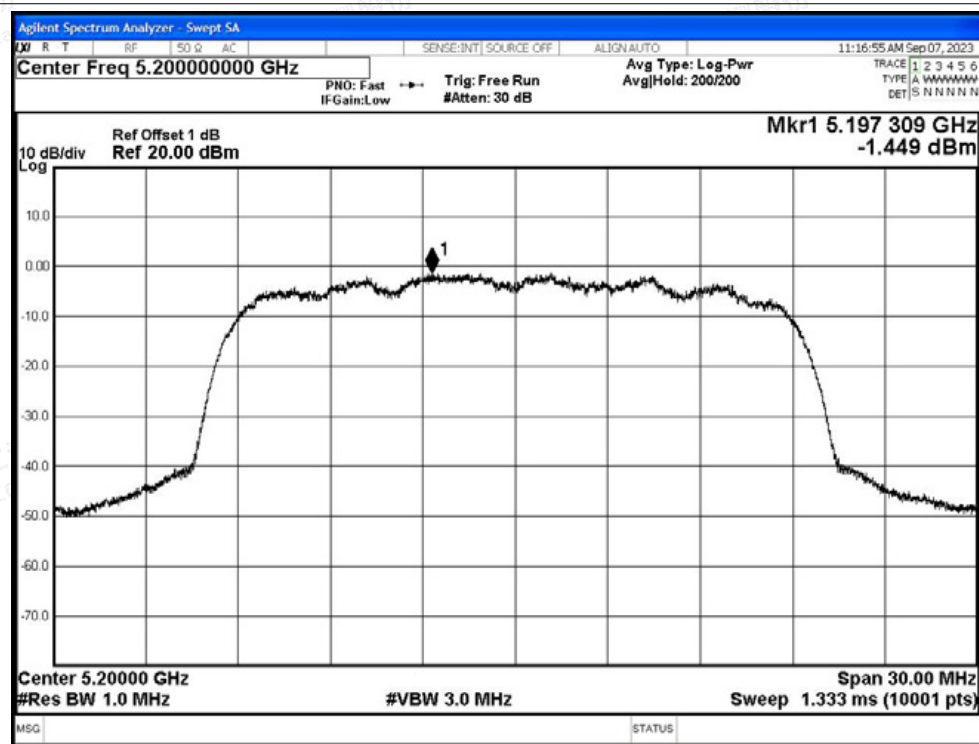




PSD NVNT ac20 5180MHz Ant0

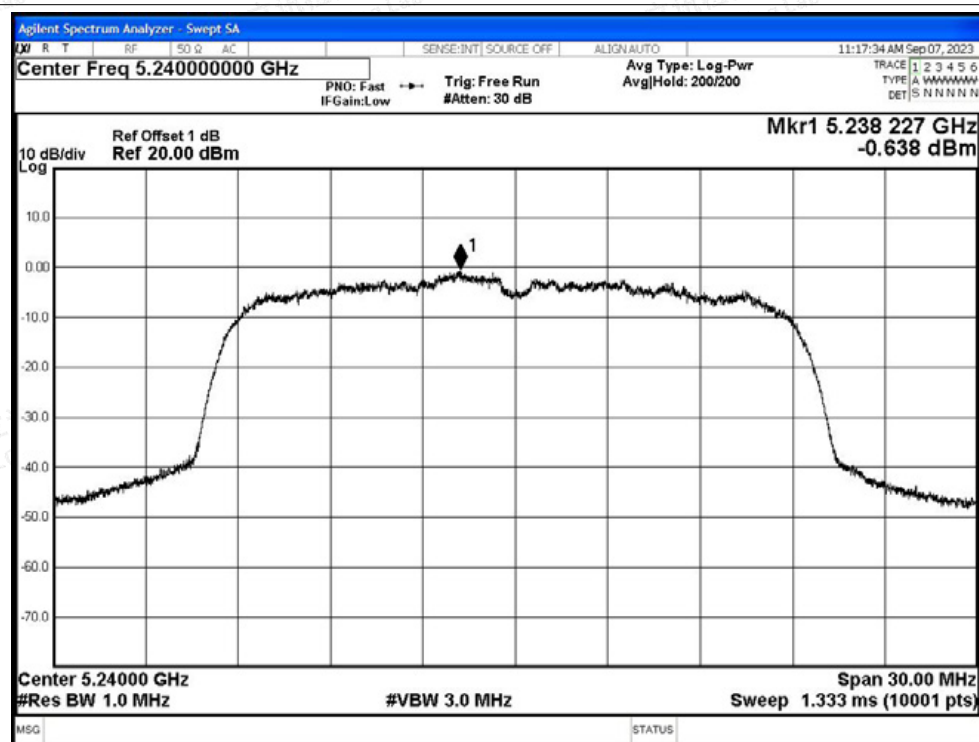


PSD NVNT ac20 5200MHz Ant0

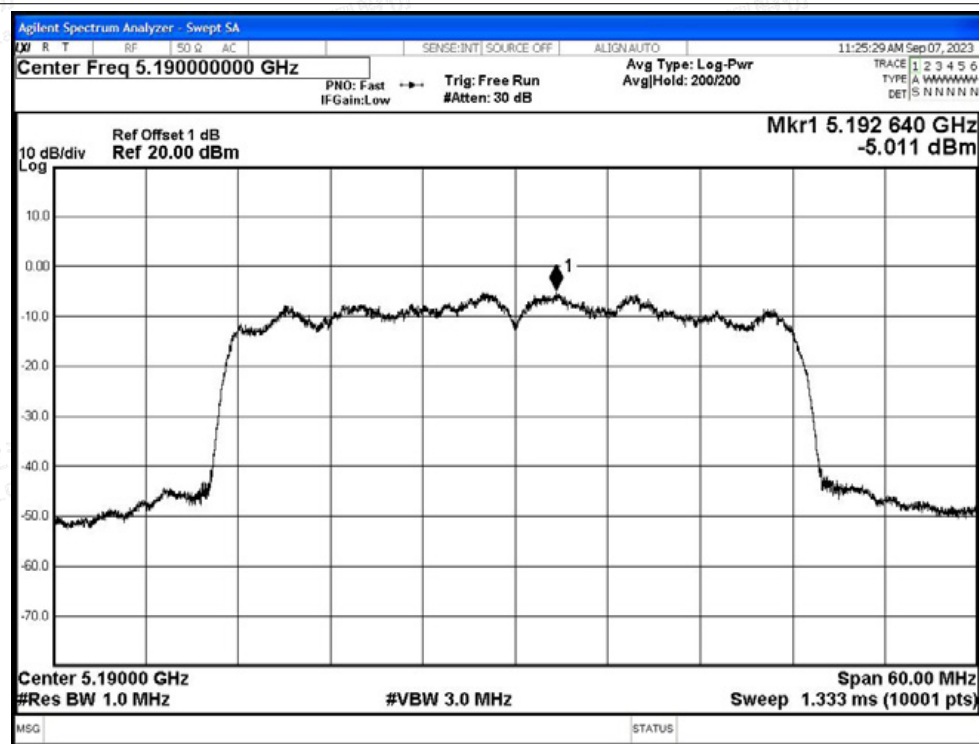




PSD NVNT ac20 5240MHz Ant0

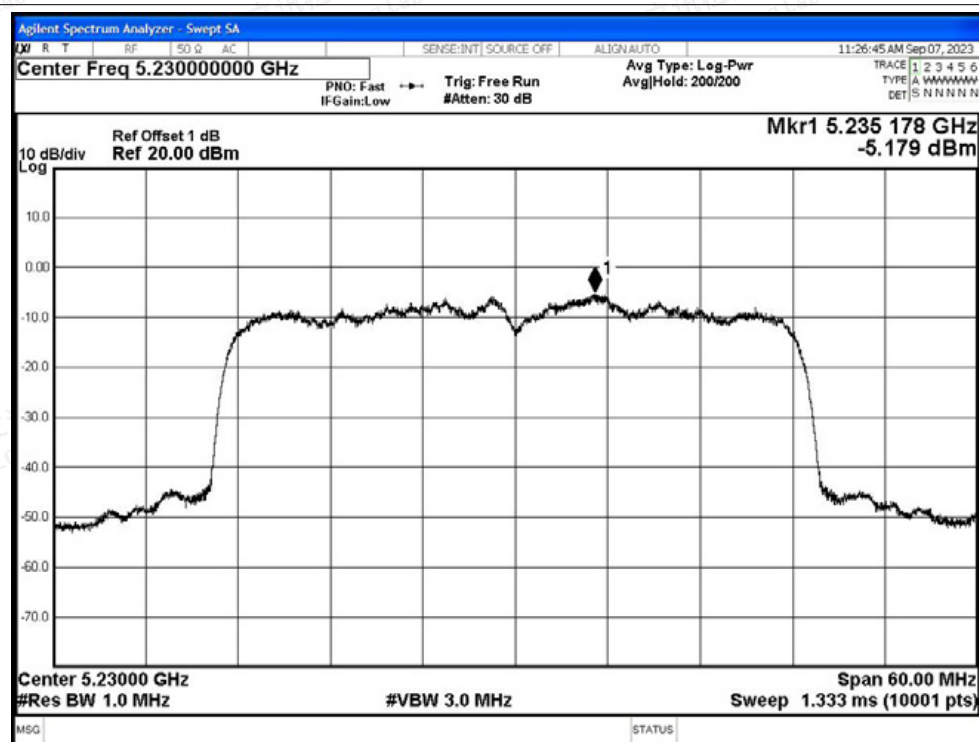


PSD NVNT ac40 5190MHz Ant0

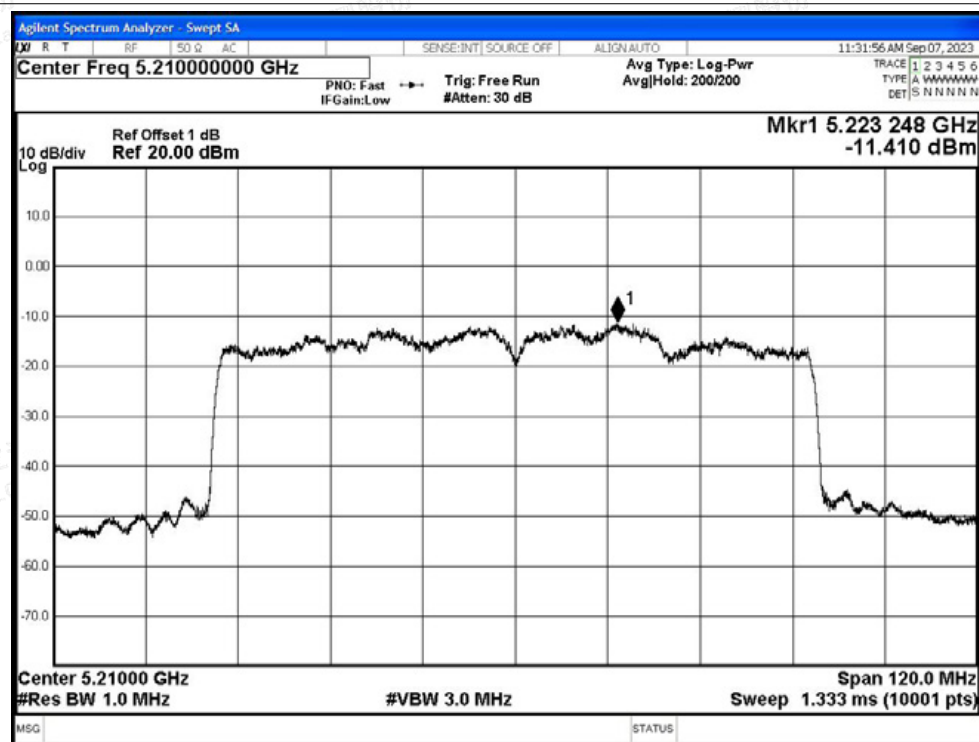




PSD NVNT ac40 5230MHz Ant0



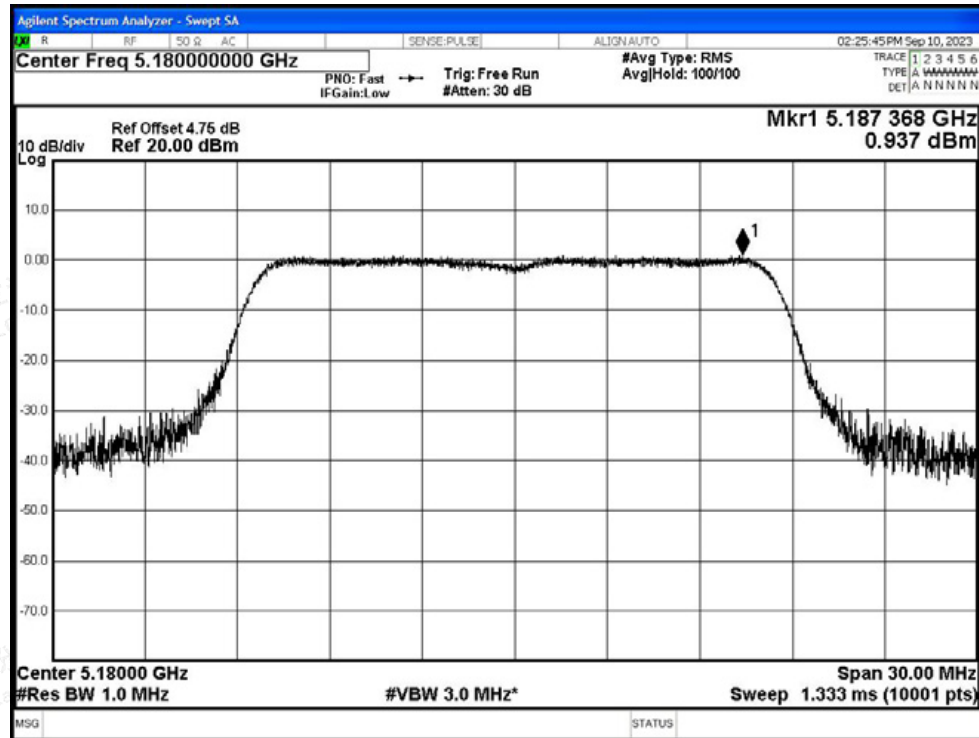
PSD NVNT ac80 5210MHz Ant0



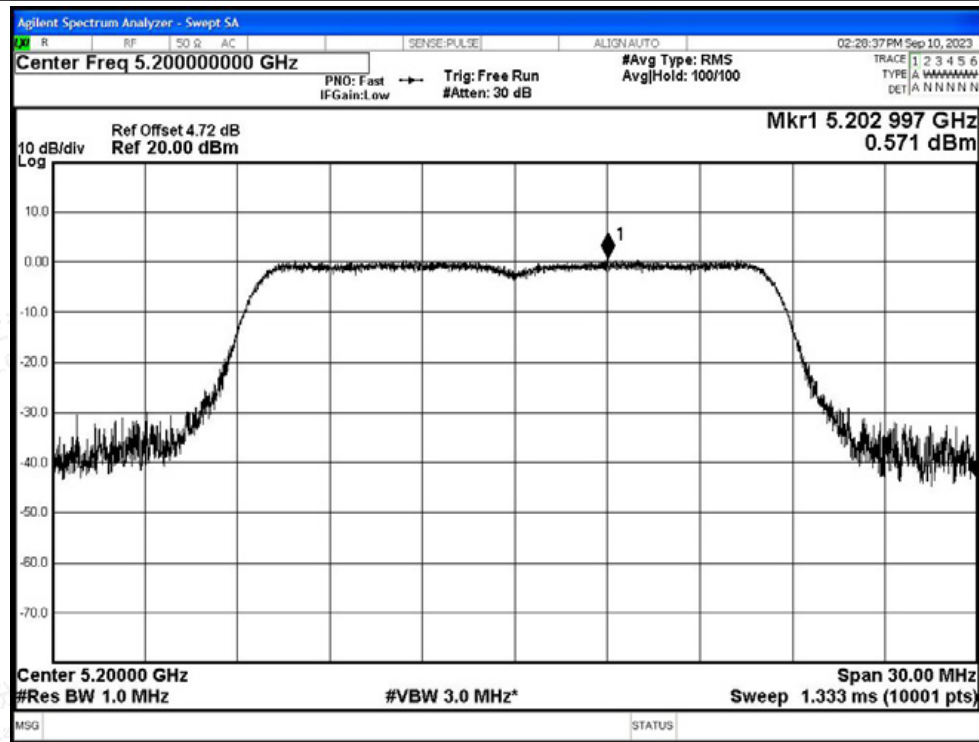


Test Graphs

PSD NVNT a 5180MHz Ant1

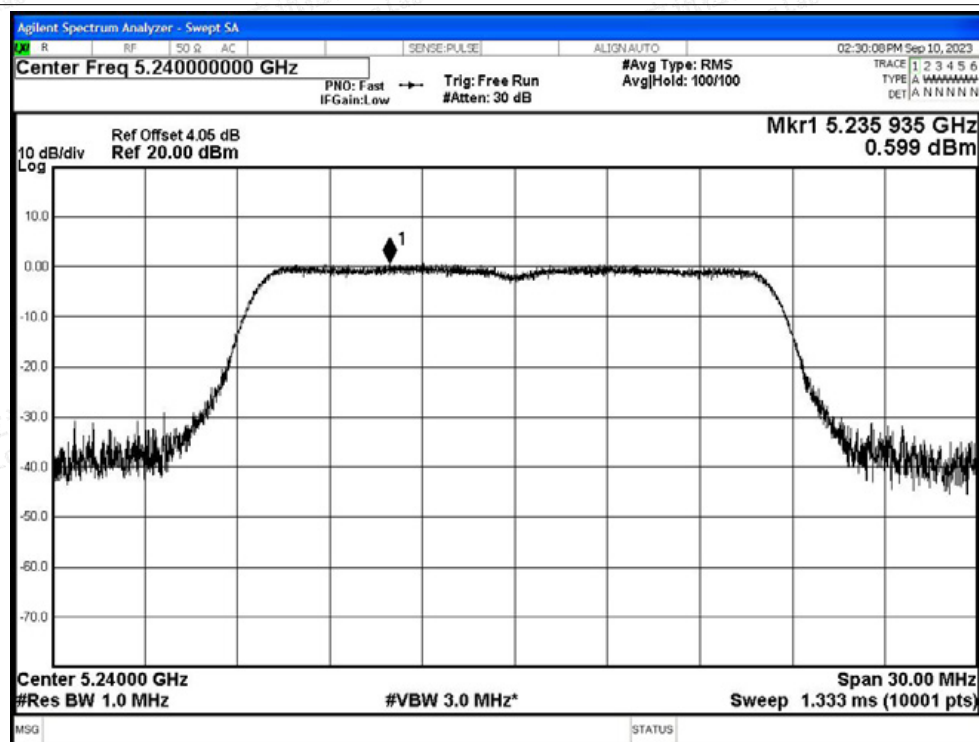


PSD NVNT a 5200MHz Ant1

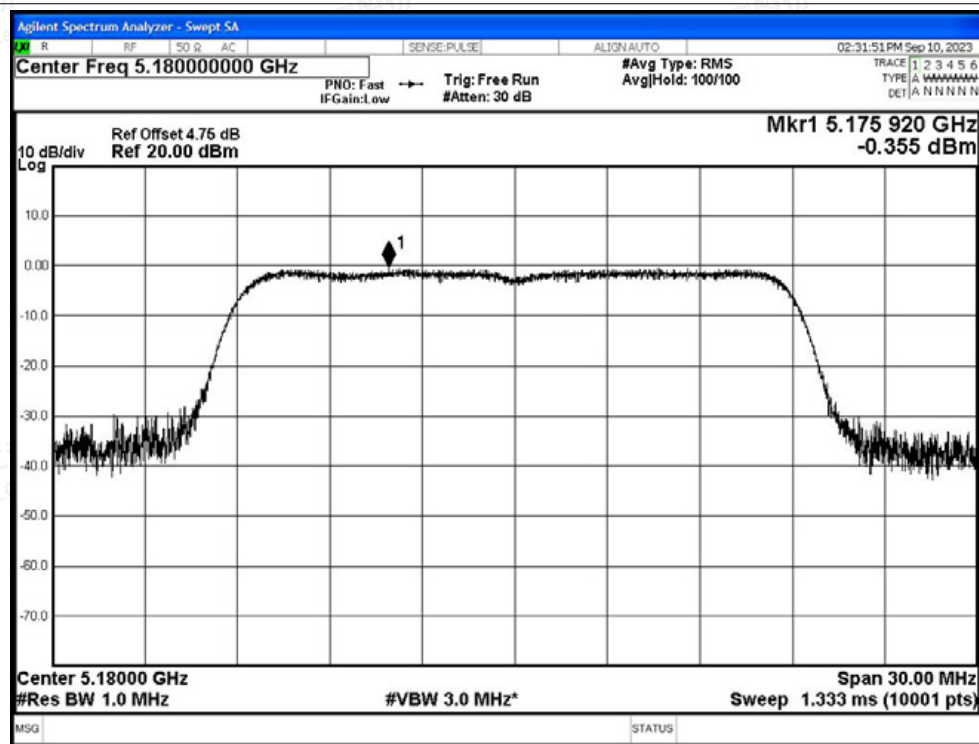


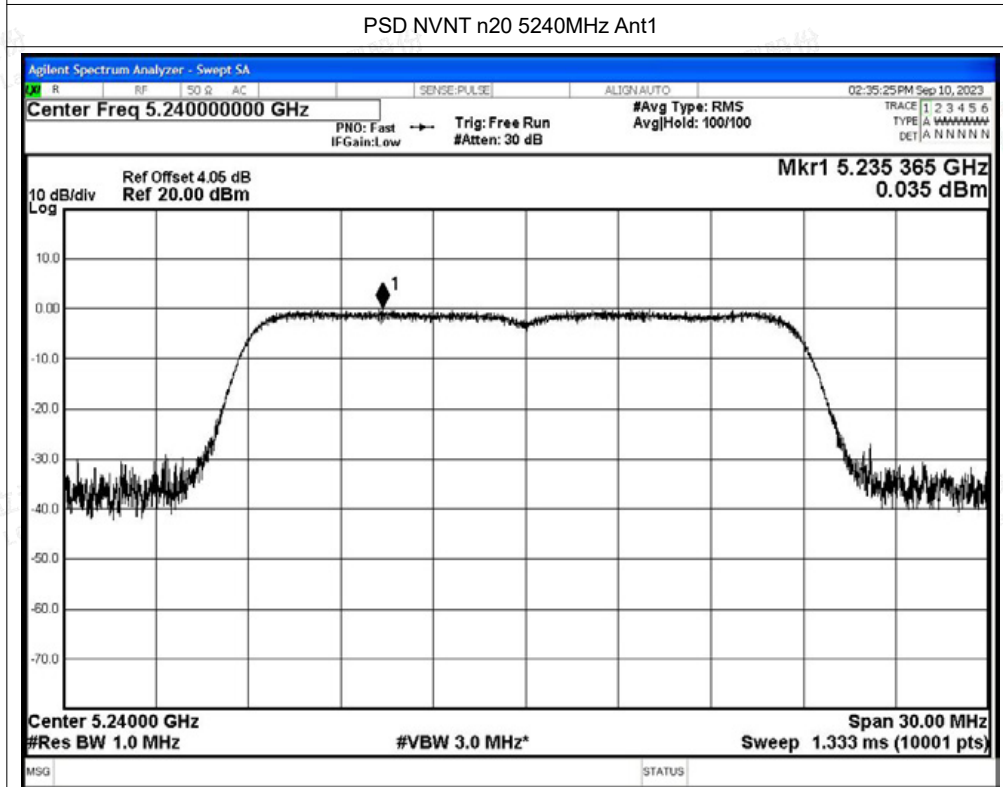
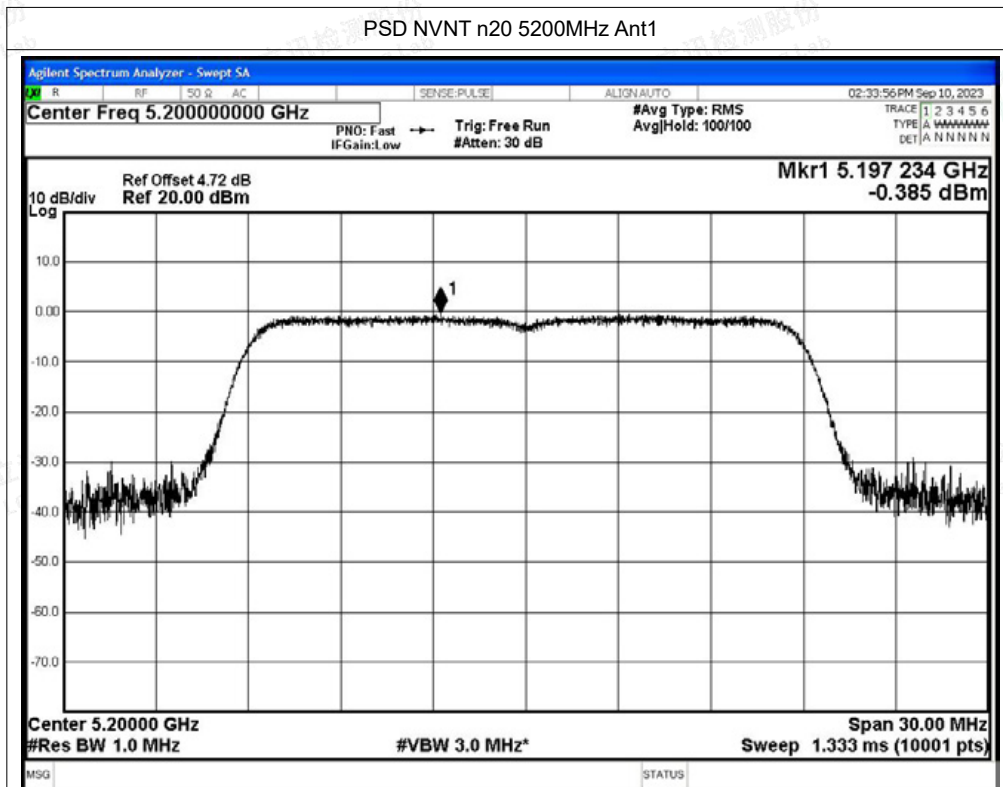


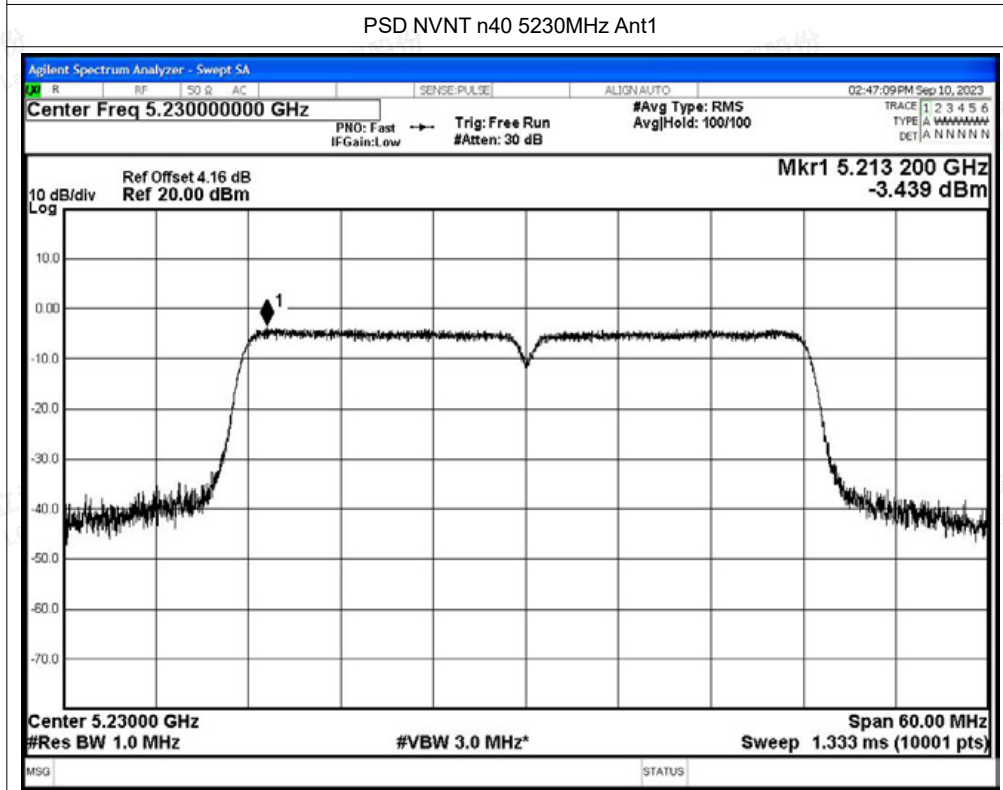
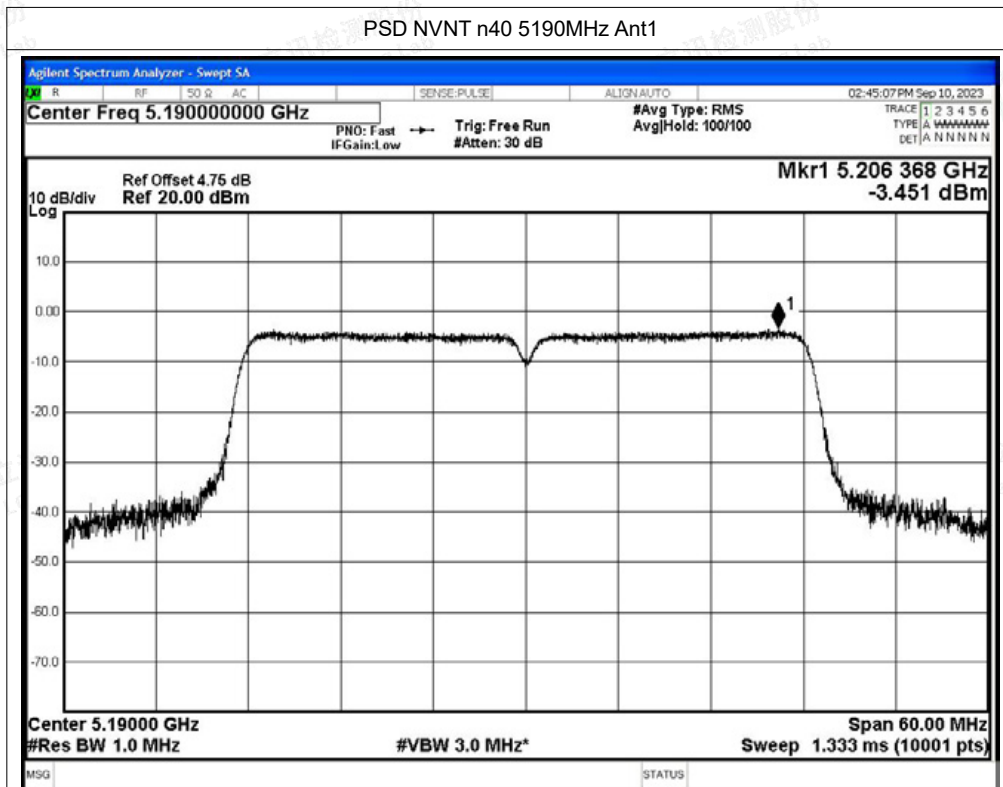
PSD NVNT a 5240MHz Ant1



PSD NVNT n20 5180MHz Ant1

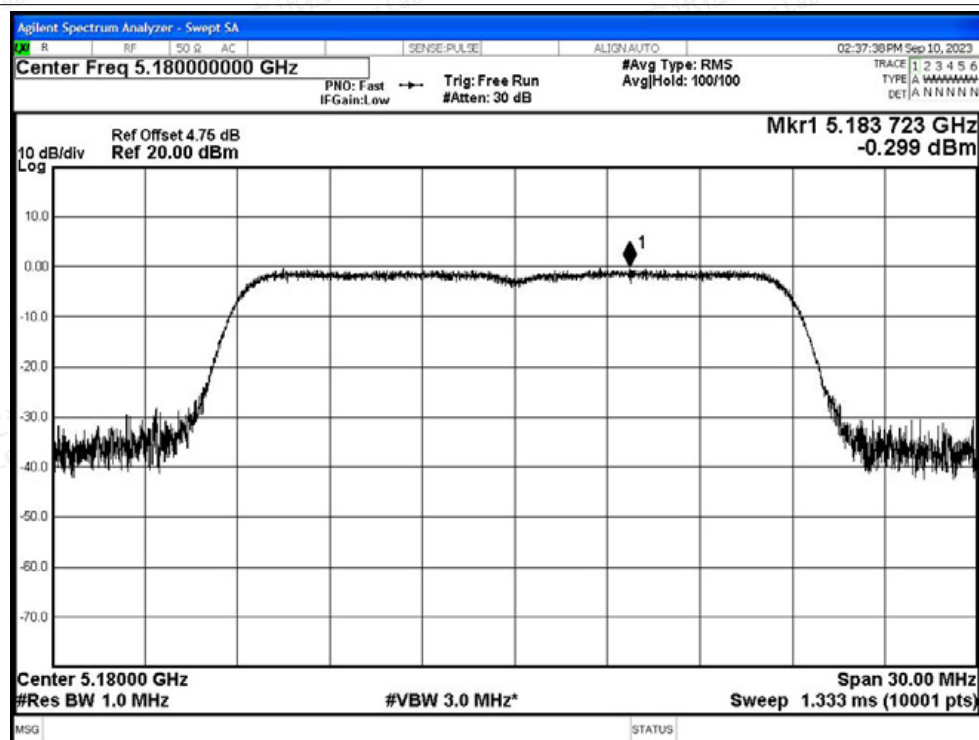




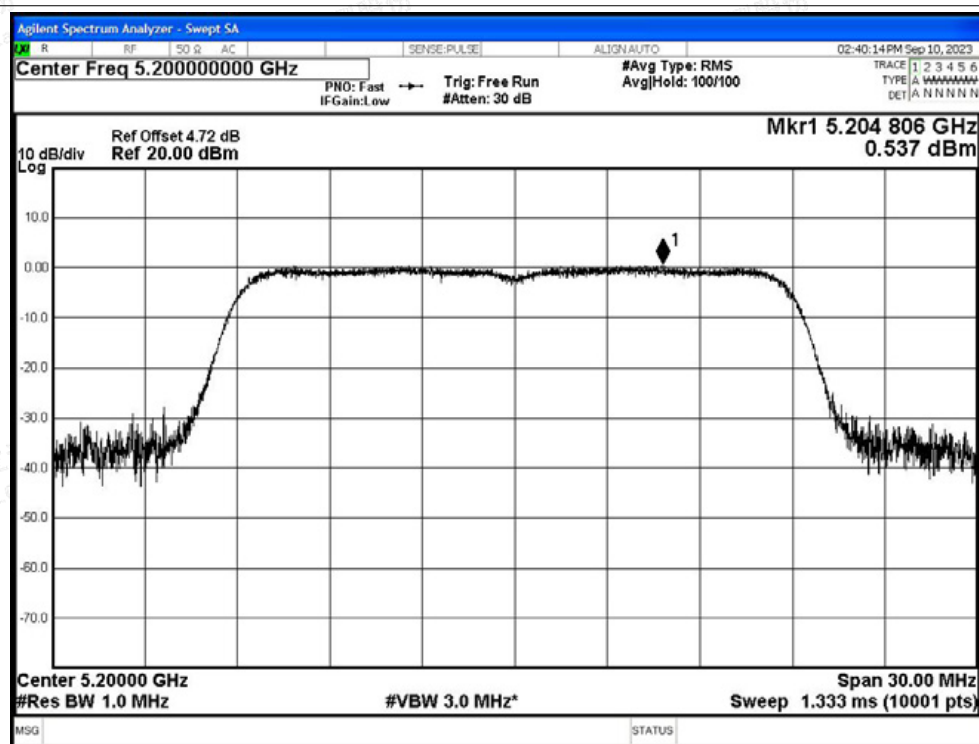




PSD NVNT ac20 5180MHz Ant1

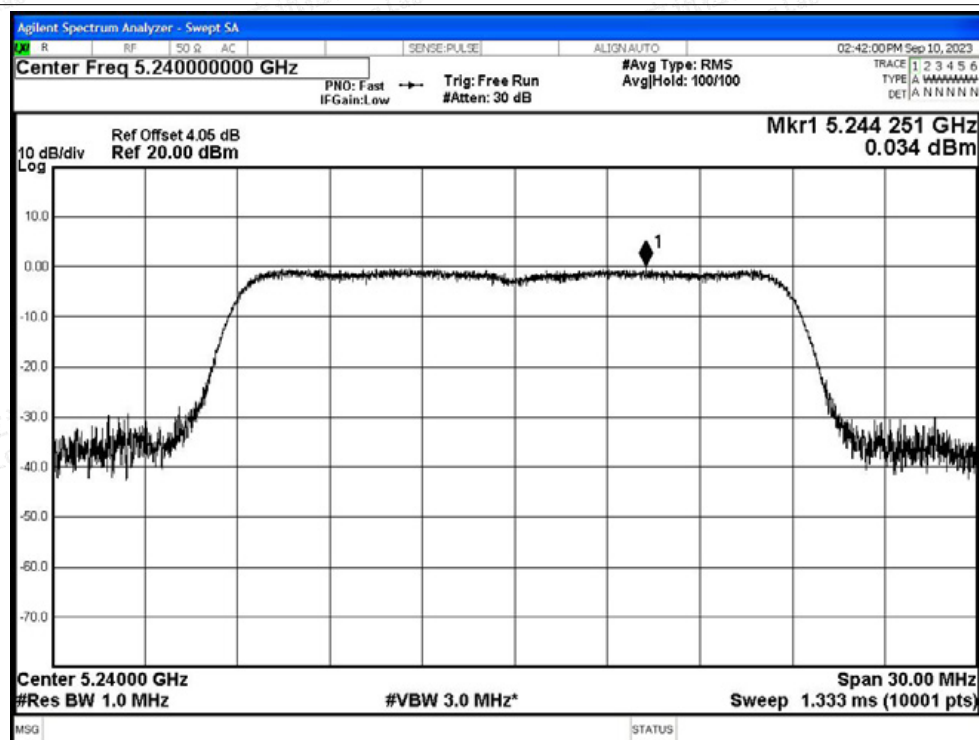


PSD NVNT ac20 5200MHz Ant1

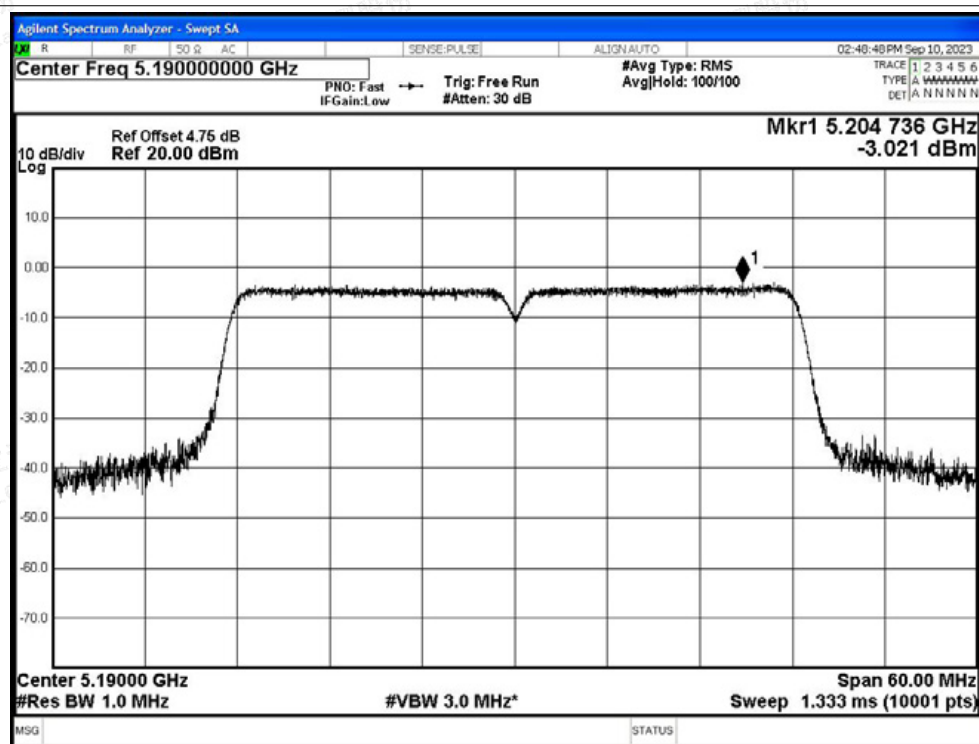


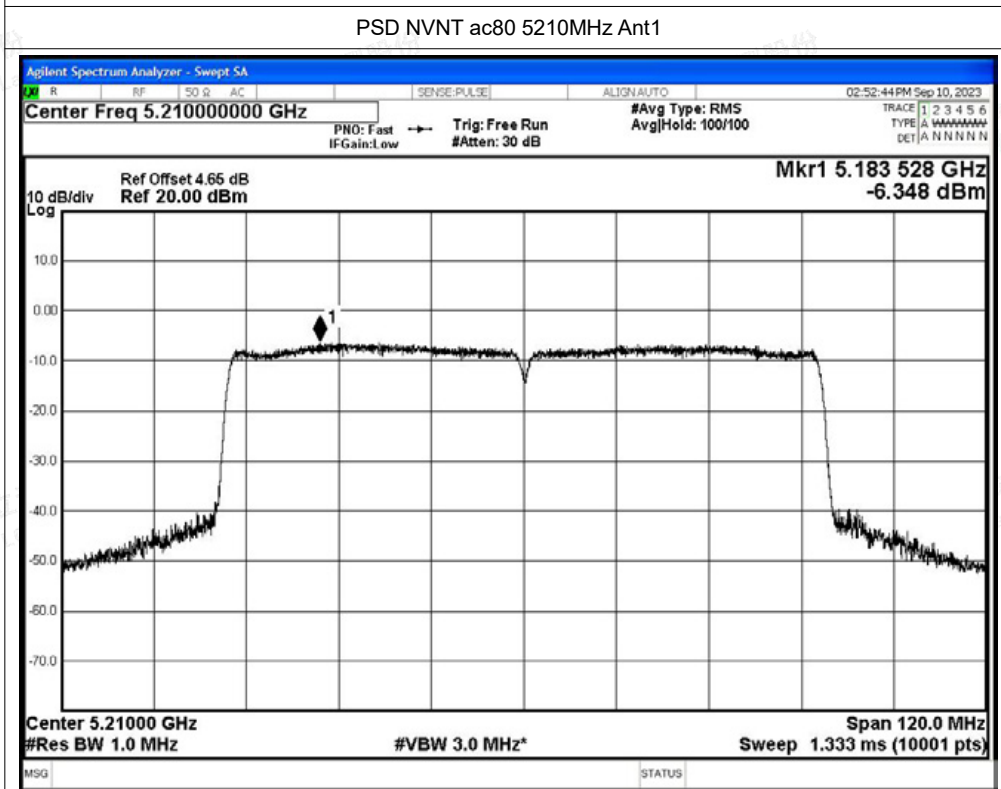
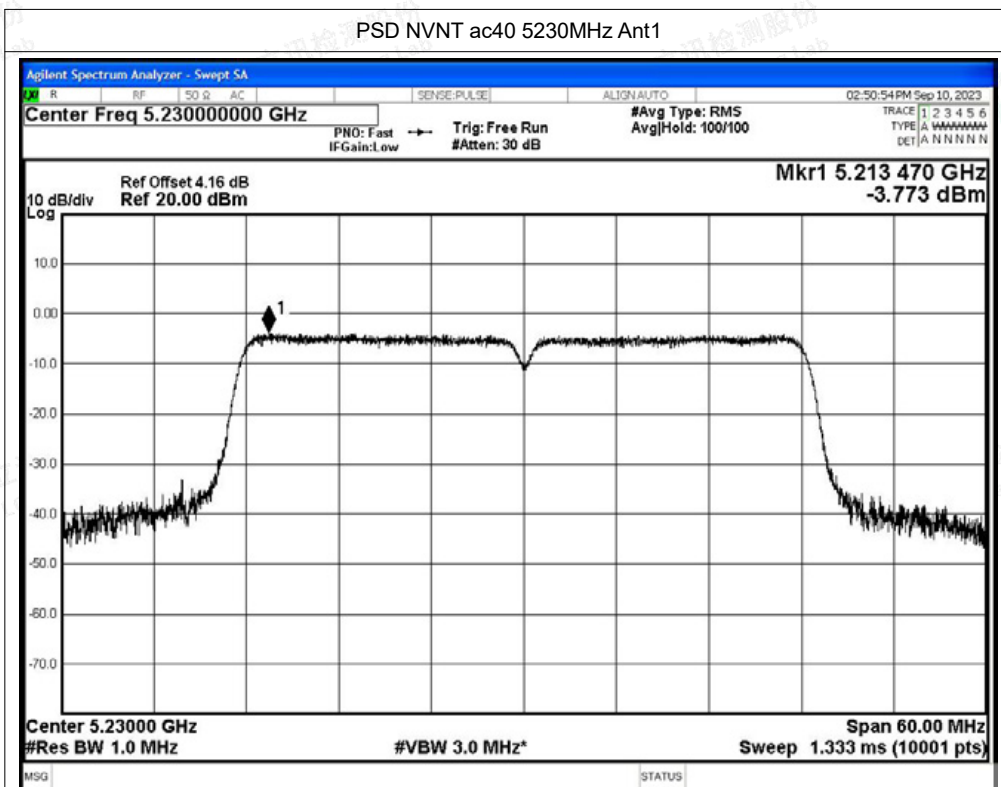


PSD NVNT ac20 5240MHz Ant1



PSD NVNT ac40 5190MHz Ant1







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	Ant0	4500	-49.25	2.95	-	48.93	Peak	68.2	Pass
NVNT	a	5180	Ant0	4500	-57.09	2.95	0.14	41.23	Average	54	Pass
NVNT	a	5180	Ant0	5106.2	-44.88	2.95	-	53.3	Peak	68.2	Pass
NVNT	a	5180	Ant0	5083.8	-54.53	2.95	0.14	43.79	Average	54	Pass
NVNT	a	5180	Ant0	5150	-48.03	2.95	-	50.15	Peak	68.2	Pass
NVNT	a	5180	Ant0	5150	-55.56	2.95	0.14	42.76	Average	54	Pass
NVNT	a	5240	Ant0	5350	-47.76	2.95	-	50.42	Peak	68.2	Pass
NVNT	a	5240	Ant0	5350	-57.26	2.95	0.14	41.06	Average	54	Pass
NVNT	a	5240	Ant0	5363.28	-46.42	2.95	-	51.76	Peak	68.2	Pass
NVNT	a	5240	Ant0	5424.24	-56.27	2.95	0.14	42.05	Average	54	Pass
NVNT	a	5240	Ant0	5460	-49.23	2.95	-	48.95	Peak	68.2	Pass
NVNT	a	5240	Ant0	5460	-56.8	2.95	0.14	41.52	Average	54	Pass
NVNT	n20	5180	Ant0	4500	-48.51	2.95	-	49.67	Peak	68.2	Pass
NVNT	n20	5180	Ant0	4500	-57.67	2.95	0.15	40.66	Average	54	Pass
NVNT	n20	5180	Ant0	5039.7	-45.17	2.95	-	53.01	Peak	68.2	Pass
NVNT	n20	5180	Ant0	5109	-55.18	2.95	0.15	43.15	Average	54	Pass
NVNT	n20	5180	Ant0	5150	-47.16	2.95	-	51.02	Peak	68.2	Pass
NVNT	n20	5180	Ant0	5150	-55.4	2.95	0.15	42.93	Average	54	Pass
NVNT	n20	5240	Ant0	5350	-49.59	2.95	-	48.59	Peak	68.2	Pass
NVNT	n20	5240	Ant0	5350	-57.16	2.95	0.15	41.17	Average	54	Pass
NVNT	n20	5240	Ant0	5432.4	-45.38	2.95	-	52.8	Peak	68.2	Pass
NVNT	n20	5240	Ant0	5452.32	-56.42	2.95	0.15	41.91	Average	54	Pass
NVNT	n20	5240	Ant0	5460	-48.22	2.95	-	49.96	Peak	68.2	Pass
NVNT	n20	5240	Ant0	5460	-57.33	2.95	0.15	41	Average	54	Pass
NVNT	n40	5190	Ant0	4500	-48.68	2.95	-	49.5	Peak	68.2	Pass
NVNT	n40	5190	Ant0	4500	-57.64	2.95	0.28	40.82	Average	54	Pass
NVNT	n40	5190	Ant0	5036.55	-44.75	2.95	-	53.43	Peak	68.2	Pass
NVNT	n40	5190	Ant0	5149.7	-54.9	2.95	0.28	43.56	Average	54	Pass
NVNT	n40	5190	Ant0	5150	-45.67	2.95	-	52.51	Peak	68.2	Pass
NVNT	n40	5190	Ant0	5150	-54.9	2.95	0.28	43.56	Average	54	Pass
NVNT	n40	5230	Ant0	5350	-48.12	2.95	-	50.06	Peak	68.2	Pass
NVNT	n40	5230	Ant0	5350	-56.96	2.95	0.29	41.51	Average	54	Pass
NVNT	n40	5230	Ant0	5434.62	-46.19	2.95	-	51.99	Peak	68.2	Pass
NVNT	n40	5230	Ant0	5359.83	-56.18	2.95	0.29	42.29	Average	54	Pass
NVNT	n40	5230	Ant0	5460	-48.79	2.95	-	49.39	Peak	68.2	Pass
NVNT	n40	5230	Ant0	5460	-56.94	2.95	0.29	41.53	Average	54	Pass





NVNT	ac20	5180	Ant0	4500	-48.69	2.95	-	49.49	Peak	68.2	Pass
NVNT	ac20	5180	Ant0	4500	-57.51	2.95	0.14	40.81	Average	54	Pass
NVNT	ac20	5180	Ant0	5029.9	-45.14	2.95	-	53.04	Peak	68.2	Pass
NVNT	ac20	5180	Ant0	5149.6	-54.91	2.95	0.14	43.41	Average	54	Pass
NVNT	ac20	5180	Ant0	5150	-43.93	2.95	-	54.25	Peak	68.2	Pass
NVNT	ac20	5180	Ant0	5150	-55.69	2.95	0.14	42.63	Average	54	Pass
NVNT	ac20	5240	Ant0	5350	-49.67	2.95	-	48.51	Peak	68.2	Pass
NVNT	ac20	5240	Ant0	5350	-57.34	2.95	0.14	40.98	Average	54	Pass
NVNT	ac20	5240	Ant0	5401.44	-46.19	2.95	-	51.99	Peak	68.2	Pass
NVNT	ac20	5240	Ant0	5402.4	-56.33	2.95	0.14	41.99	Average	54	Pass
NVNT	ac20	5240	Ant0	5460	-48.18	2.95	-	50	Peak	68.2	Pass
NVNT	ac20	5240	Ant0	5460	-56.86	2.95	0.14	41.46	Average	54	Pass
NVNT	ac40	5190	Ant0	4500	-49.96	2.95	-	48.22	Peak	68.2	Pass
NVNT	ac40	5190	Ant0	4500	-57.17	2.95	0.28	41.29	Average	54	Pass
NVNT	ac40	5190	Ant0	4728.49	-44.56	2.95	-	53.62	Peak	68.2	Pass
NVNT	ac40	5190	Ant0	5149.7	-54.31	2.95	0.28	44.15	Average	54	Pass
NVNT	ac40	5190	Ant0	5150	-45.35	2.95	-	52.83	Peak	68.2	Pass
NVNT	ac40	5190	Ant0	5150	-54.31	2.95	0.28	44.15	Average	54	Pass
NVNT	ac40	5230	Ant0	5350	-49.19	2.95	-	48.99	Peak	68.2	Pass
NVNT	ac40	5230	Ant0	5350	-57.04	2.95	0.28	41.42	Average	54	Pass
NVNT	ac40	5230	Ant0	5373.6	-45.79	2.95	-	52.39	Peak	68.2	Pass
NVNT	ac40	5230	Ant0	5416.53	-56.2	2.95	0.28	42.26	Average	54	Pass
NVNT	ac40	5230	Ant0	5460	-48.23	2.95	-	49.95	Peak	68.2	Pass
NVNT	ac40	5230	Ant0	5460	-57.12	2.95	0.28	41.34	Average	54	Pass
NVNT	ac80	5210	Ant0	5350	-48.83	2.95	-	49.35	Peak	68.2	Pass
NVNT	ac80	5210	Ant0	5350	-57.02	2.95	0.55	41.71	Average	54	Pass
NVNT	ac80	5210	Ant0	5357.7	-44.32	2.95	-	53.86	Peak	68.2	Pass
NVNT	ac80	5210	Ant0	5453.73	-55.63	2.95	0.55	43.1	Average	54	Pass
NVNT	ac80	5210	Ant0	5460	-49.03	2.95	-	49.15	Peak	68.2	Pass
NVNT	ac80	5210	Ant0	5460	-56.68	2.95	0.55	42.05	Average	54	Pass
NVNT	ac80	5210	Ant0	4500	-49.04	2.95	-	49.14	Peak	68.2	Pass
NVNT	ac80	5210	Ant0	4500	-57.26	2.95	0.55	41.47	Average	54	Pass
NVNT	ac80	5210	Ant0	5045.89	-45.53	2.95	-	52.65	Peak	68.2	Pass
NVNT	ac80	5210	Ant0	5111.46	-55.23	2.95	0.55	43.5	Average	54	Pass
NVNT	ac80	5210	Ant0	5150	-46.45	2.95	-	51.73	Peak	68.2	Pass
NVNT	ac80	5210	Ant0	5150	-55.5	2.95	0.55	43.23	Average	54	Pass

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
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NVNT	a	5180	Ant1	4500	-50.08	2.98	-	48.4	Peak	68.2	Pass
NVNT	a	5180	Ant1	4500	-57.29	2.98	0.24	41.43	Average	54	Pass
NVNT	a	5180	Ant1	5148.9	-40.04	2.98	-	58.44	Peak	68.2	Pass
NVNT	a	5180	Ant1	5148.9	-50.75	2.98	0.24	47.97	Average	54	Pass
NVNT	a	5180	Ant1	5150	-38.78	2.98	-	59.7	Peak	68.2	Pass
NVNT	a	5180	Ant1	5150	-50.93	2.98	0.24	47.79	Average	54	Pass
NVNT	a	5240	Ant1	5350	-50.17	2.98	-	48.31	Peak	68.2	Pass
NVNT	a	5240	Ant1	5350	-56.77	2.98	0.24	41.95	Average	54	Pass
NVNT	a	5240	Ant1	5377.2	-45.68	2.98	-	52.8	Peak	68.2	Pass
NVNT	a	5240	Ant1	5352	-55.91	2.98	0.24	42.81	Average	54	Pass
NVNT	a	5240	Ant1	5460	-47.97	2.98	-	50.51	Peak	68.2	Pass
NVNT	a	5240	Ant1	5460	-57.16	2.98	0.24	41.56	Average	54	Pass
NVNT	n20	5180	Ant1	4500	-49.57	2.98	-	48.91	Peak	68.2	Pass
NVNT	n20	5180	Ant1	4500	-58.09	2.98	0.28	40.67	Average	54	Pass
NVNT	n20	5180	Ant1	5147.5	-39.28	2.98	-	59.2	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5149.6	-52.69	2.98	0.28	46.07	Average	54	Pass
NVNT	n20	5180	Ant1	5150	-42.49	2.98	-	55.99	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5150	-52.01	2.98	0.28	46.75	Average	54	Pass
NVNT	n20	5240	Ant1	5350	-48.39	2.98	-	50.09	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350	-56.62	2.98	0.28	42.14	Average	54	Pass
NVNT	n20	5240	Ant1	5364.24	-46.37	2.98	-	52.11	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5351.52	-56	2.98	0.28	42.76	Average	54	Pass
NVNT	n20	5240	Ant1	5460	-50.13	2.98	-	48.35	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5460	-56.44	2.98	0.28	42.32	Average	54	Pass
NVNT	n40	5190	Ant1	4500	-48.55	2.98	-	49.93	Peak	68.2	Pass
NVNT	n40	5190	Ant1	4500	-57.25	2.98	0.12	41.35	Average	54	Pass
NVNT	n40	5190	Ant1	5146.05	-40.09	2.98	-	58.39	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5144.59	-52.68	2.98	0.12	45.92	Average	54	Pass
NVNT	n40	5190	Ant1	5150	-42.55	2.98	-	55.93	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5150	-52.82	2.98	0.12	45.78	Average	54	Pass
NVNT	n40	5230	Ant1	5350	-49.04	2.98	-	49.44	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5350	-57.47	2.98	0.12	41.13	Average	54	Pass
NVNT	n40	5230	Ant1	5414.91	-46.64	2.98	-	51.84	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5352	-56.1	2.98	0.12	42.5	Average	54	Pass
NVNT	n40	5230	Ant1	5460	-49.34	2.98	-	49.14	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5460	-56.64	2.98	0.12	41.96	Average	54	Pass
NVNT	ac20	5180	Ant1	4500	-49.36	2.98	-	49.12	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	4500	-57.75	2.98	0.28	41.01	Average	54	Pass
NVNT	ac20	5180	Ant1	5149.6	-40.28	2.98	-	58.2	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5149.6	-52.2	2.98	0.28	46.56	Average	54	Pass
NVNT	ac20	5180	Ant1	5150	-38.78	2.98	-	59.7	Peak	68.2	Pass





NVNT	ac20	5180	Ant1	5150	-53.15	2.98	0.28	45.61	Average	54	Pass
NVNT	ac20	5240	Ant1	5350	-48.3	2.98	-	50.18	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350	-56.52	2.98	0.28	42.24	Average	54	Pass
NVNT	ac20	5240	Ant1	5381.28	-45.92	2.98	-	52.56	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5351.04	-55.87	2.98	0.28	42.89	Average	54	Pass
NVNT	ac20	5240	Ant1	5460	-50.02	2.98	-	48.46	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5460	-57.18	2.98	0.28	41.58	Average	54	Pass
NVNT	ac40	5190	Ant1	4500	-48.19	2.98	-	50.29	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	4500	-57.15	2.98	0.12	41.45	Average	54	Pass
NVNT	ac40	5190	Ant1	5149.7	-39.88	2.98	-	58.6	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5149.7	-50.98	2.98	0.12	47.62	Average	54	Pass
NVNT	ac40	5190	Ant1	5150	-39.88	2.98	-	58.6	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5150	-50.98	2.98	0.12	47.62	Average	54	Pass
NVNT	ac40	5230	Ant1	5350	-49.44	2.98	-	49.04	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350	-57.05	2.98	0.12	41.55	Average	54	Pass
NVNT	ac40	5230	Ant1	5381.7	-45.53	2.98	-	52.95	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5370.09	-56.22	2.98	0.12	42.38	Average	54	Pass
NVNT	ac40	5230	Ant1	5460	-50.39	2.98	-	48.09	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5460	-57.24	2.98	0.12	41.36	Average	54	Pass
NVNT	ac80	5210	Ant1	5350	-45.34	2.98	-	53.14	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5350	-56.44	2.98	0.25	42.29	Average	54	Pass
NVNT	ac80	5210	Ant1	5350.11	-45.34	2.98	-	53.14	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5362.32	-55.72	2.98	0.25	43.01	Average	54	Pass
NVNT	ac80	5210	Ant1	5460	-48.58	2.98	-	49.9	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5460	-55.93	2.98	0.25	42.8	Average	54	Pass
NVNT	ac80	5210	Ant1	4500	-49.02	2.98	-	49.46	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	4500	-57.71	2.98	0.25	41.02	Average	54	Pass
NVNT	ac80	5210	Ant1	5138.32	-42.97	2.98	-	55.51	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5149.38	-51.56	2.98	0.25	47.17	Average	54	Pass
NVNT	ac80	5210	Ant1	5150	-43.36	2.98	-	55.12	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5150	-51.72	2.98	0.25	47.01	Average	54	Pass





Condition	Mode	Frequency (MHz)	Ant0 Spur Freq (MHz)	Ant1 Spur Freq (MHz)	Ant0 Power (dBm)	Ant1 Power (dBm)	Directional Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	n20MIMO	5180	4500	4500	-48.51	-50.08	5.99	55.27	Peak	68.2	Pass
NVNT	n20MIMO	5180	4500	4500	-57.67	-57.05	5.99	47.15	Average	54	Pass
NVNT	n20MIMO	5180	5145.4	5147.5	-45.17	-40.04	5.99	62.61	Peak	68.2	Pass
NVNT	n20MIMO	5180	5148.9	5149.6	-55.18	-50.51	5.99	52.25	Average	54	Pass
NVNT	n20MIMO	5180	5150	5150	-47.16	-38.78	5.99	63.3	Peak	68.2	Pass
NVNT	n20MIMO	5180	5150	5150	-55.4	-50.69	5.99	52.06	Average	54	Pass
NVNT	n20MIMO	5240	5350	5350	-49.59	-50.17	5.99	54.63	Peak	68.2	Pass
NVNT	n20MIMO	5240	5350	5350	-57.16	-56.53	5.99	47.66	Average	54	Pass
NVNT	n20MIMO	5240	5449.68	5364.24	-45.38	-45.68	5.99	58.97	Peak	68.2	Pass
NVNT	n20MIMO	5240	5356.08	5351.52	-56.42	-55.67	5.99	48.47	Average	54	Pass
NVNT	n20MIMO	5240	5460	5460	-48.22	-47.97	5.99	56.4	Peak	68.2	Pass
NVNT	n20MIMO	5240	5460	5460	-57.33	-56.92	5.99	47.38	Average	54	Pass
NVNT	n40MIMO	5190	4500	4500	-48.68	-49.57	5.99	55.4	Peak	68.2	Pass
NVNT	n40MIMO	5190	4500	4500	-57.64	-57.81	5.99	46.77	Average	54	Pass
NVNT	n40MIMO	5190	5147.51	5146.05	-44.75	-39.28	5.99	63.29	Peak	68.2	Pass
NVNT	n40MIMO	5190	5149.7	5144.59	-54.9	-52.41	5.99	51.02	Average	54	Pass
NVNT	n40MIMO	5190	5150	5150	-45.67	-42.49	5.99	60.7	Peak	68.2	Pass
NVNT	n40MIMO	5190	5150	5150	-54.9	-51.73	5.99	51.47	Average	54	Pass
NVNT	n40MIMO	5230	5350	5350	-48.12	-48.39	5.99	56.24	Peak	68.2	Pass
NVNT	n40MIMO	5230	5350	5350	-56.96	-56.34	5.99	47.86	Average	54	Pass
NVNT	n40MIMO	5230	5441.37	5414.91	-46.19	-46.37	5.99	58.22	Peak	68.2	Pass
NVNT	n40MIMO	5230	5351.46	5352	-56.18	-55.72	5.99	48.55	Average	54	Pass
NVNT	n40MIMO	5230	5460	5460	-48.79	-50.13	5.99	55.09	Peak	68.2	Pass
NVNT	n40MIMO	5230	5460	5460	-56.94	-56.16	5.99	47.97	Average	54	Pass
NVNT	ac20MIMO	5180	4500	4500	-48.69	-48.55	5.99	55.88	Peak	68.2	Pass
NVNT	ac20MIMO	5180	4500	4500	-57.51	-57.13	5.99	47.18	Average	54	Pass
NVNT	ac20MIMO	5180	5148.9	5149.6	-45.14	-40.09	5.99	62.58	Peak	68.2	Pass
NVNT	ac20MIMO	5180	5149.6	5149.6	-54.91	-52.56	5.99	50.92	Average	54	Pass
NVNT	ac20MIMO	5180	5150	5150	-43.93	-42.55	5.99	61.31	Peak	68.2	Pass
NVNT	ac20MIMO	5180	5150	5150	-55.69	-52.7	5.99	50.56	Average	54	Pass
NVNT	ac20MIMO	5240	5350	5350	-49.67	-49.04	5.99	55.15	Peak	68.2	Pass
NVNT	ac20MIMO	5240	5350	5350	-57.34	-57.35	5.99	47.15	Average	54	Pass
NVNT	ac20MIMO	5240	5356.8	5381.28	-46.19	-46.64	5.99	58.09	Peak	68.2	Pass
NVNT	ac20MIMO	5240	5351.52	5351.04	-56.33	-55.98	5.99	48.35	Average	54	Pass
NVNT	ac20MIMO	5240	5460	5460	-48.18	-49.34	5.99	55.78	Peak	68.2	Pass



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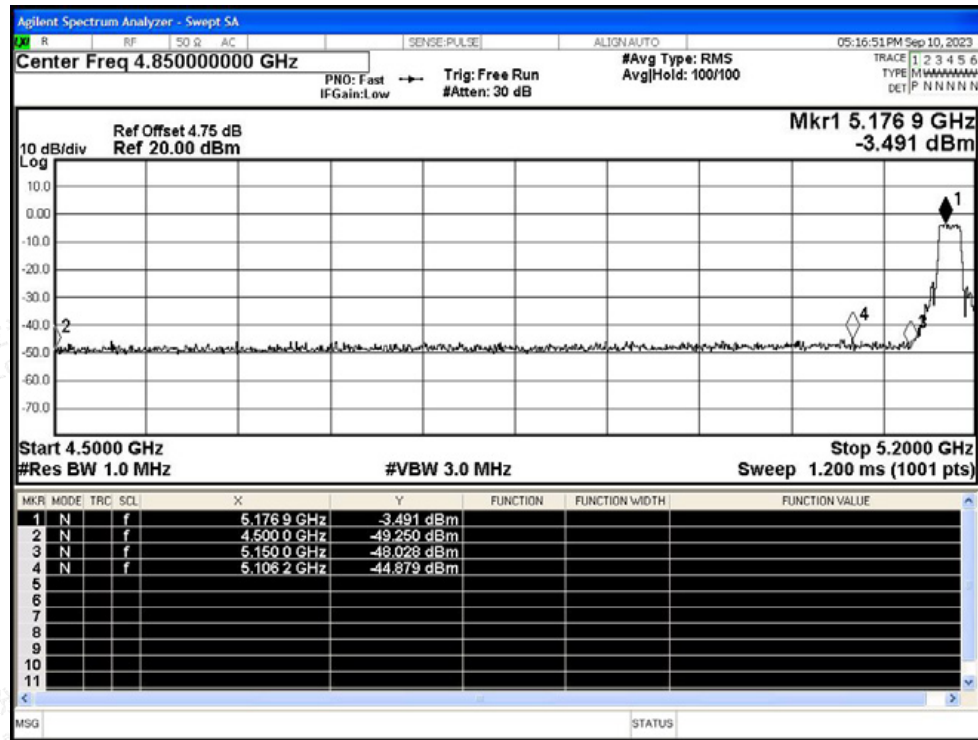
NVNT	ac20MIMO	5240	5460	5460	-56.86	-56.52	5.99	47.81	Average	54	Pass
NVNT	ac40MIMO	5190	4500	4500	-49.96	-49.36	5.99	54.85	Peak	68.2	Pass
NVNT	ac40MIMO	5190	4500	4500	-57.17	-57.47	5.99	47.18	Average	54	Pass
NVNT	ac40MIMO	5190	5142.4	5149.7	-44.56	-40.28	5.99	62.59	Peak	68.2	Pass
NVNT	ac40MIMO	5190	5149.7	5149.7	-54.31	-51.92	5.99	51.55	Average	54	Pass
NVNT	ac40MIMO	5190	5150	5150	-45.35	-38.78	5.99	63.57	Peak	68.2	Pass
NVNT	ac40MIMO	5190	5150	5150	-54.31	-52.87	5.99	50.97	Average	54	Pass
NVNT	ac40MIMO	5230	5350	5350	-49.19	-48.3	5.99	55.78	Peak	68.2	Pass
NVNT	ac40MIMO	5230	5350	5350	-57.04	-56.24	5.99	47.88	Average	54	Pass
NVNT	ac40MIMO	5230	5425.17	5381.7	-45.79	-45.92	5.99	58.64	Peak	68.2	Pass
NVNT	ac40MIMO	5230	5354.16	5370.09	-56.2	-55.59	5.99	48.61	Average	54	Pass
NVNT	ac40MIMO	5230	5460	5460	-48.23	-50.02	5.99	55.46	Peak	68.2	Pass
NVNT	ac40MIMO	5230	5460	5460	-57.12	-56.9	5.99	47.49	Average	54	Pass
NVNT	ac80MIMO	5210	4500	5350	-48.83	-48.19	5.99	56	Peak	68.2	Pass
NVNT	ac80MIMO	5210	4500	5350	-57.02	-57.03	5.99	47.47	Average	54	Pass
NVNT	ac80MIMO	5210	5144.64	5350.11	-44.32	-39.88	5.99	62.94	Peak	68.2	Pass
NVNT	ac80MIMO	5210	5149.38	5362.32	-55.63	-50.86	5.99	51.88	Average	54	Pass
NVNT	ac80MIMO	5210	5150	5460	-49.03	-39.88	5.99	62.11	Peak	68.2	Pass
NVNT	ac80MIMO	5210	5150	5460	-56.68	-50.86	5.99	51.64	Average	54	Pass
NVNT	ac80MIMO	5210	4500	4500	-49.04	-49.44	5.99	55.26	Peak	68.2	Pass
NVNT	ac80MIMO	5210	4500	4500	-57.26	-56.93	5.99	47.41	Average	54	Pass
NVNT	ac80MIMO	5210	5145.4	5138.32	-45.53	-45.53	5.99	58.97	Peak	68.2	Pass
NVNT	ac80MIMO	5210	5148.9	5149.38	-55.23	-56.1	5.99	48.85	Average	54	Pass
NVNT	ac80MIMO	5210	5150	5150	-46.45	-50.39	5.99	56.51	Peak	68.2	Pass
NVNT	ac80MIMO	5210	5150	5150	-55.5	-57.12	5.99	48.26	Average	54	Pass



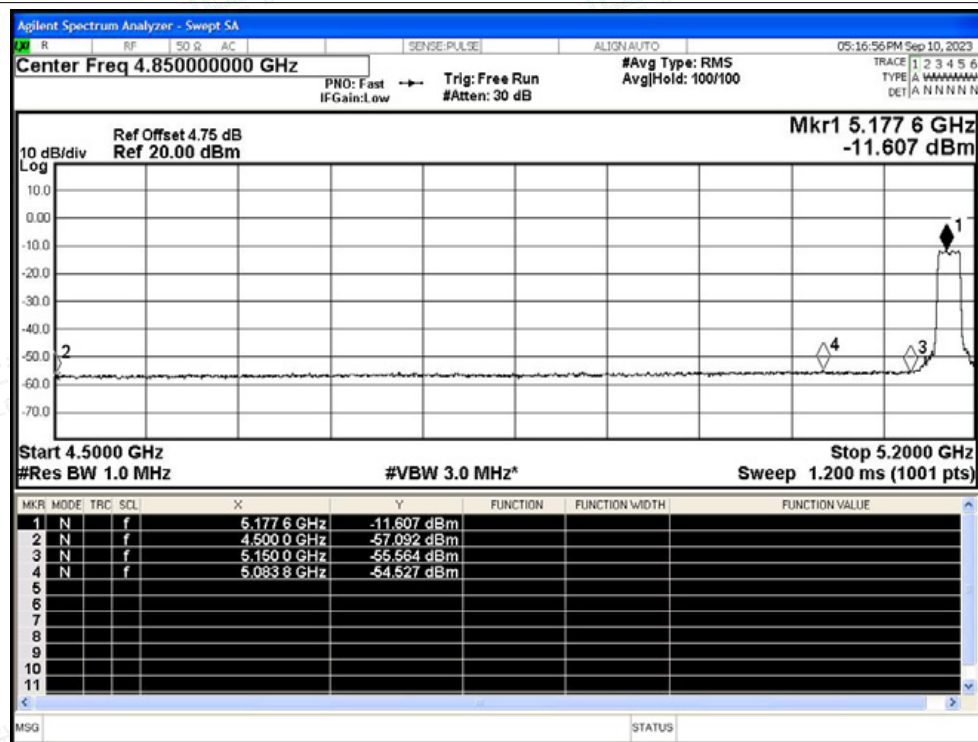


Test Graphs

Restrict Band NVNT a 5180MHz Ant0 Peak



Restrict Band NVNT a 5180MHz Ant0 Average



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