



Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: Hyundai Mini PC

Test Model: HMB10M01

Environmental Conditions

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



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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	Ant1	19.762	>=0.5	Pass
NVNT	a	5200	Ant1	19.688	>=0.5	Pass
NVNT	a	5240	Ant1	19.619	>=0.5	Pass
NVNT	n20	5180	Ant1	20.637	>=0.5	Pass
NVNT	n20	5200	Ant1	20.173	>=0.5	Pass
NVNT	n20	5240	Ant1	24.448	>=0.5	Pass
NVNT	n40	5190	Ant1	40.671	>=0.5	Pass
NVNT	n40	5230	Ant1	40.419	>=0.5	Pass
NVNT	ac20	5180	Ant1	20.09	>=0.5	Pass
NVNT	ac20	5200	Ant1	20.025	>=0.5	Pass
NVNT	ac20	5240	Ant1	20.114	>=0.5	Pass
NVNT	ac40	5190	Ant1	40.266	>=0.5	Pass
NVNT	ac40	5230	Ant1	40.371	>=0.5	Pass
NVNT	ac80	5210	Ant1	79.904	>=0.5	Pass

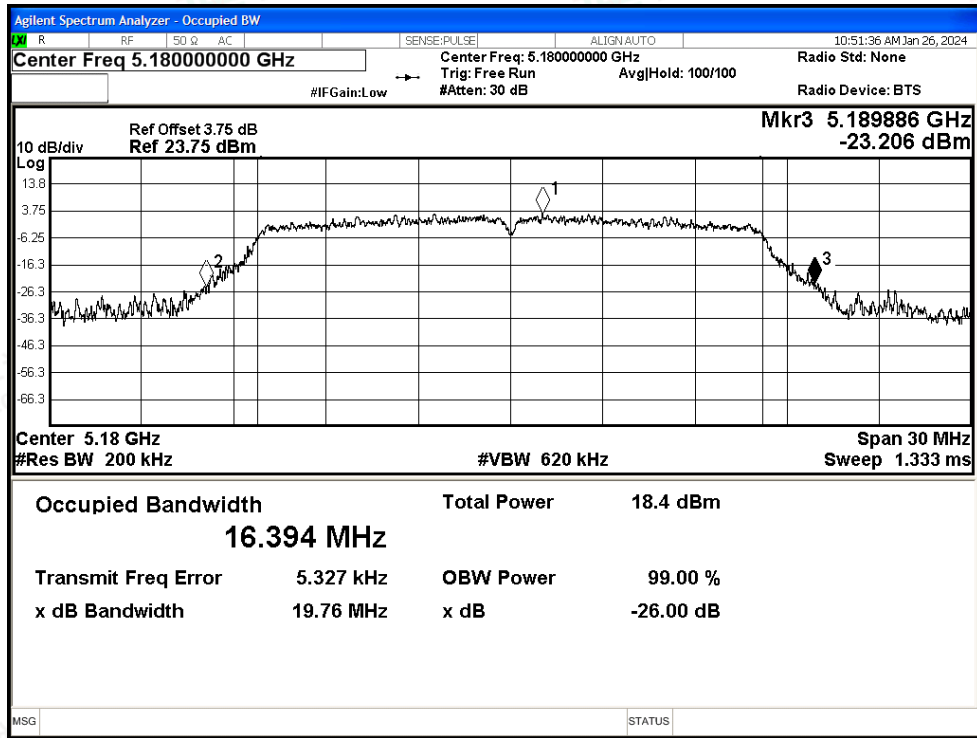


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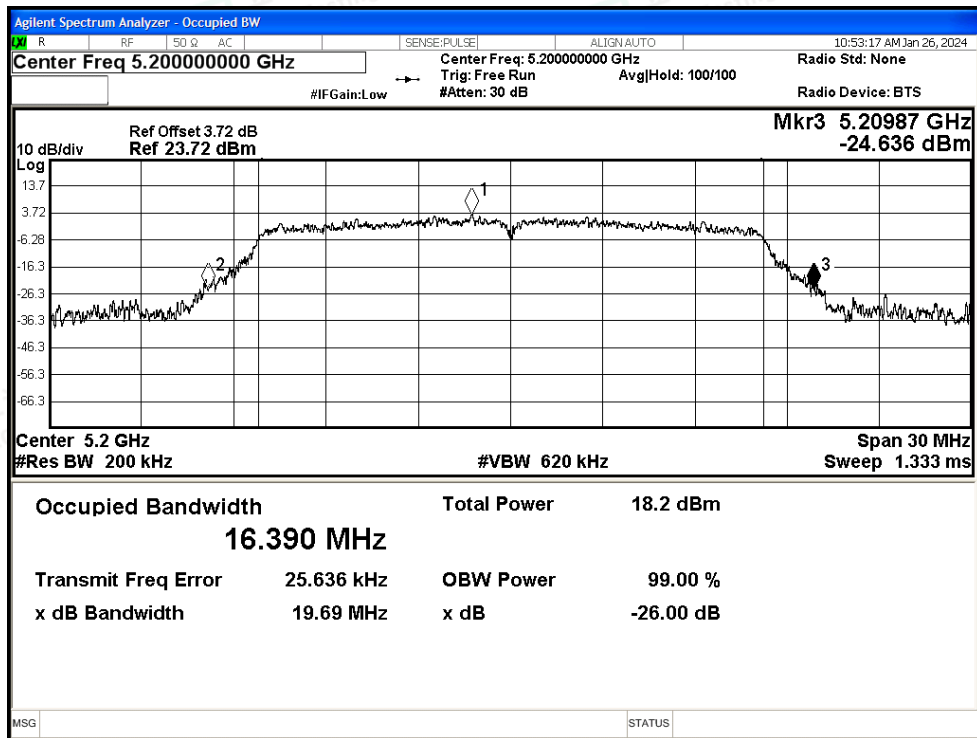


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1

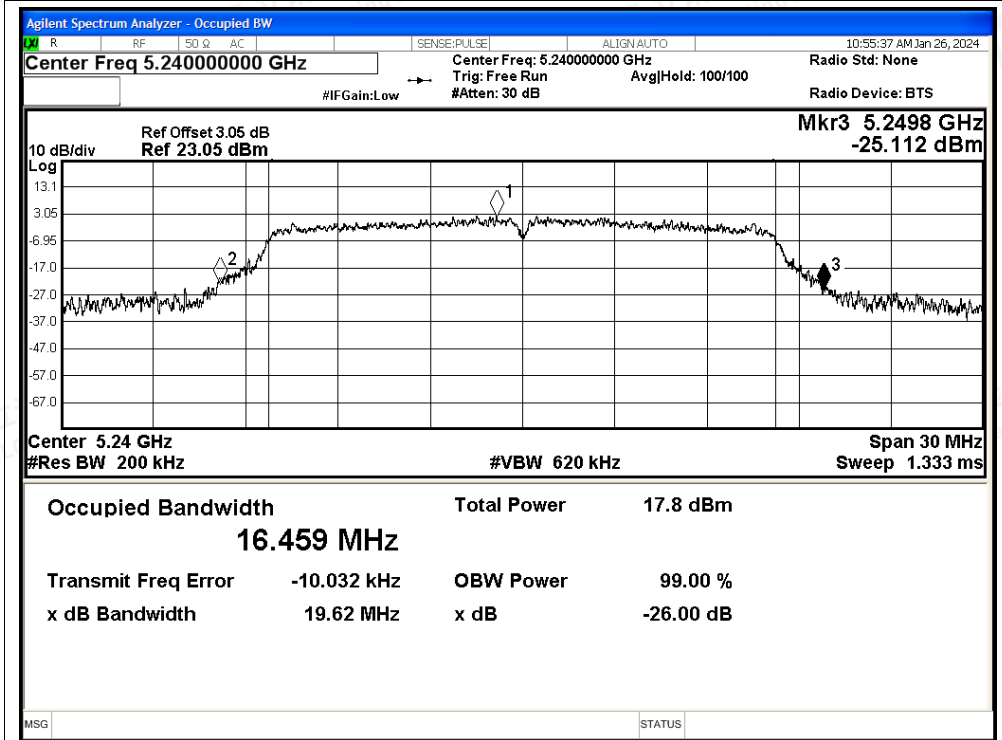


-26dB Bandwidth NVNT a 5200MHz Ant1

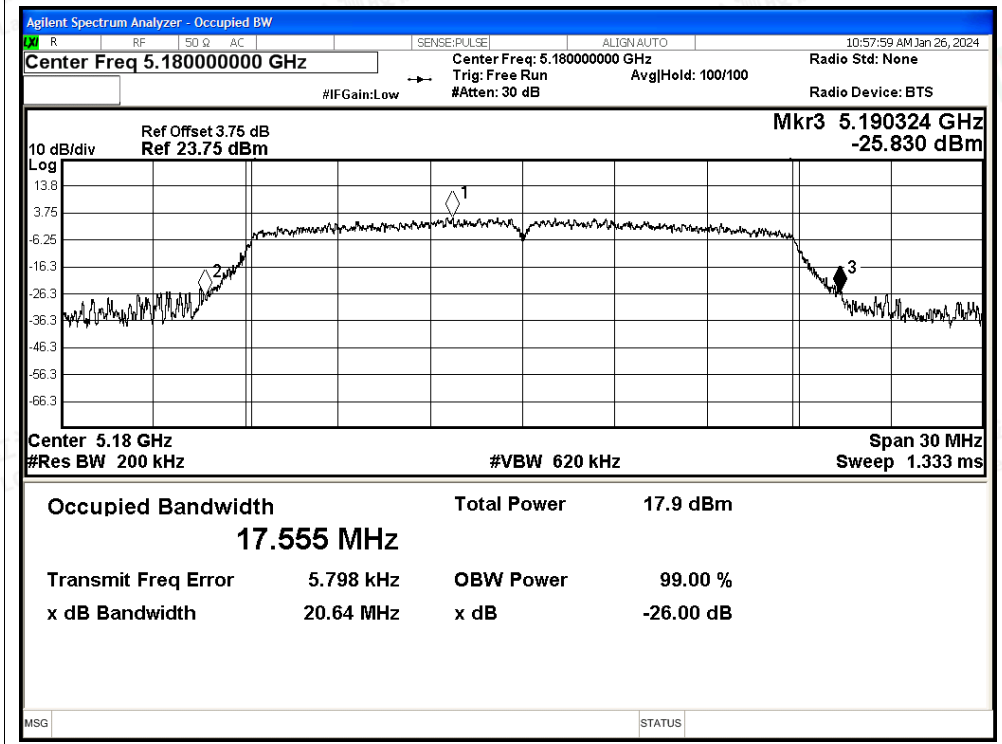




-26dB Bandwidth NVNT a 5240MHz Ant1

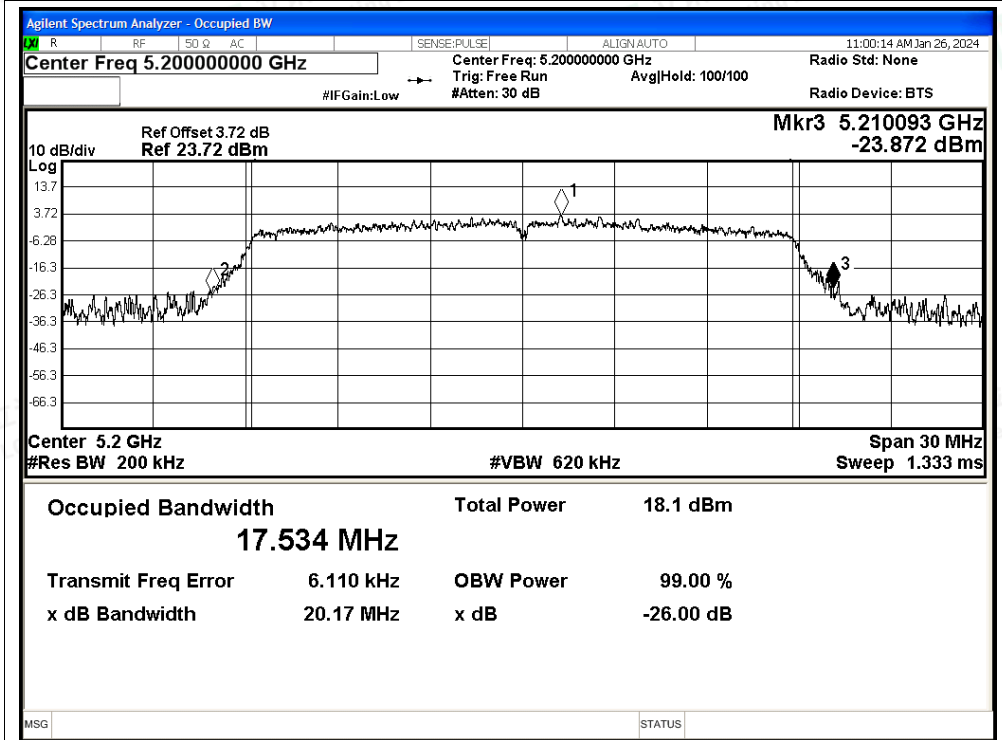


-26dB Bandwidth NVNT n20 5180MHz Ant1

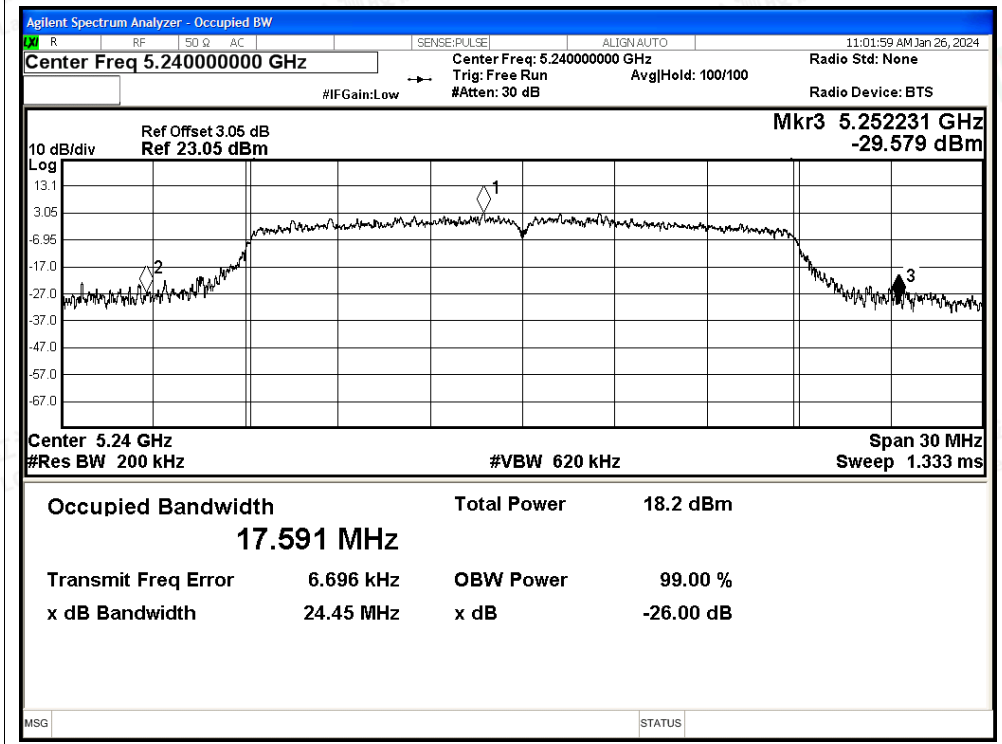




-26dB Bandwidth NVNT n20 5200MHz Ant1

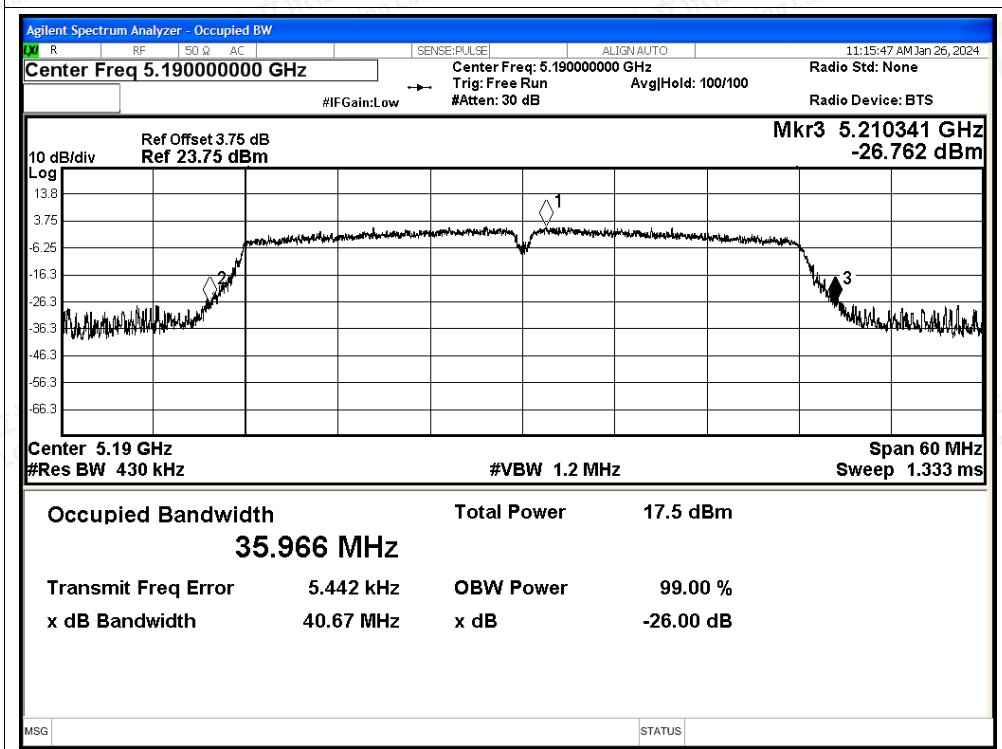


-26dB Bandwidth NVNT n20 5240MHz Ant1

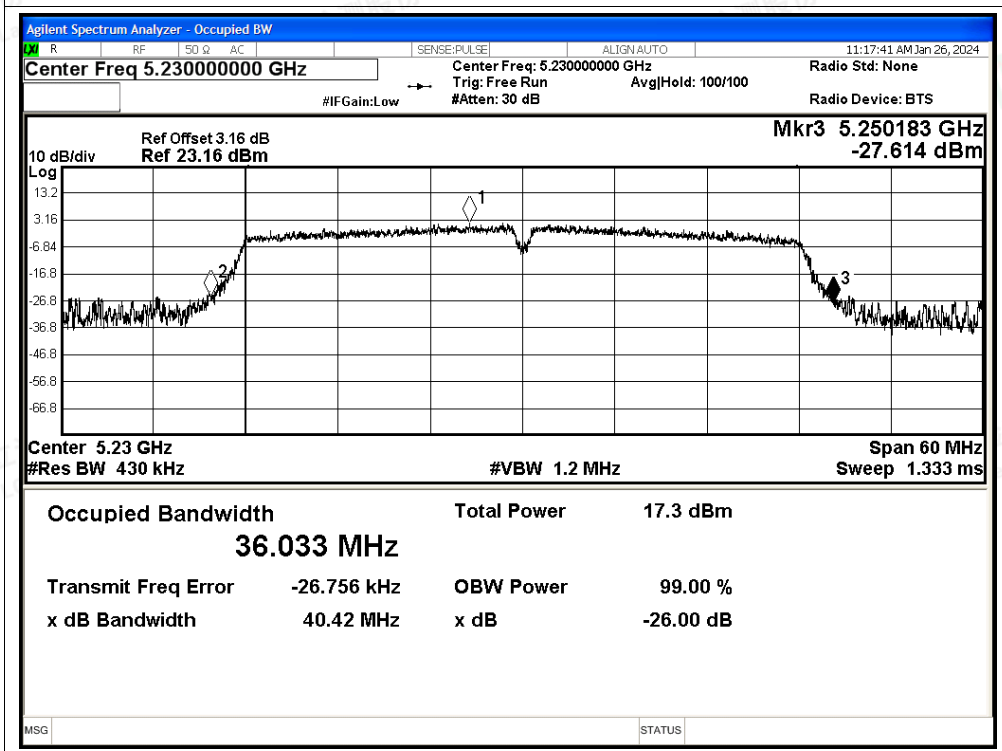




-26dB Bandwidth NVNT n40 5190MHz Ant1

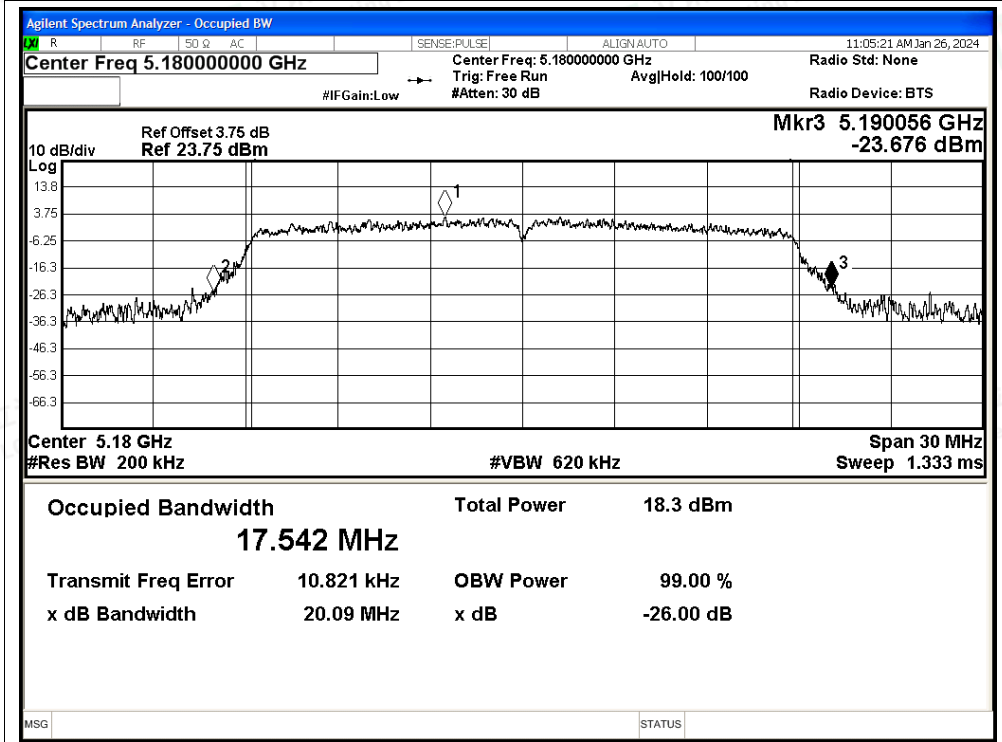


-26dB Bandwidth NVNT n40 5230MHz Ant1

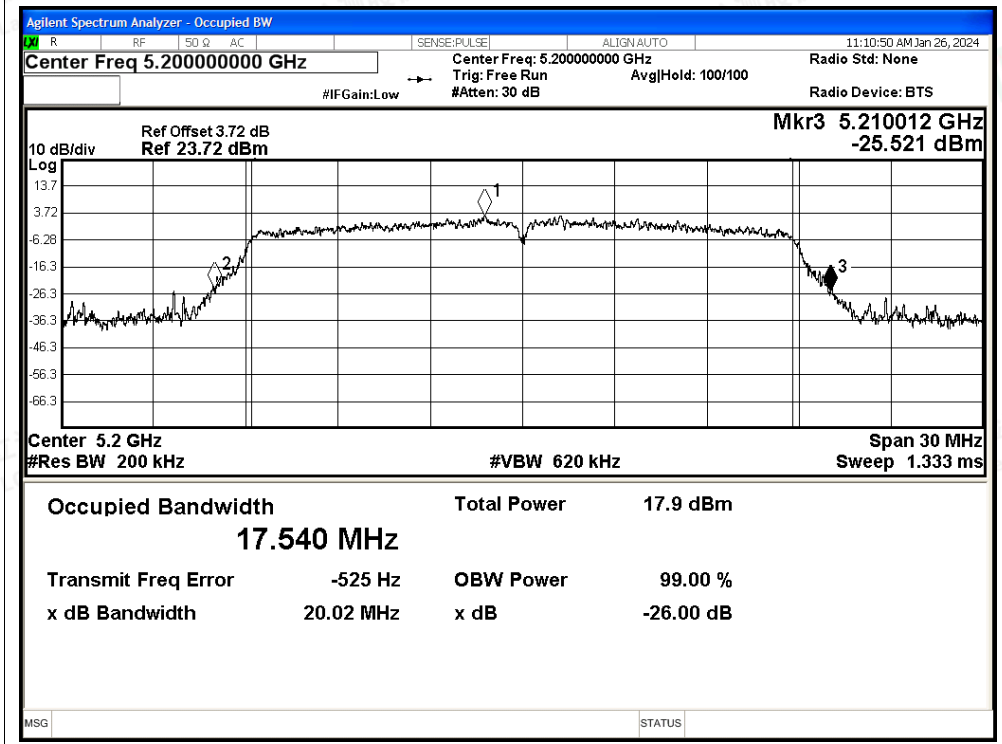




-26dB Bandwidth NVNT ac20 5180MHz Ant1

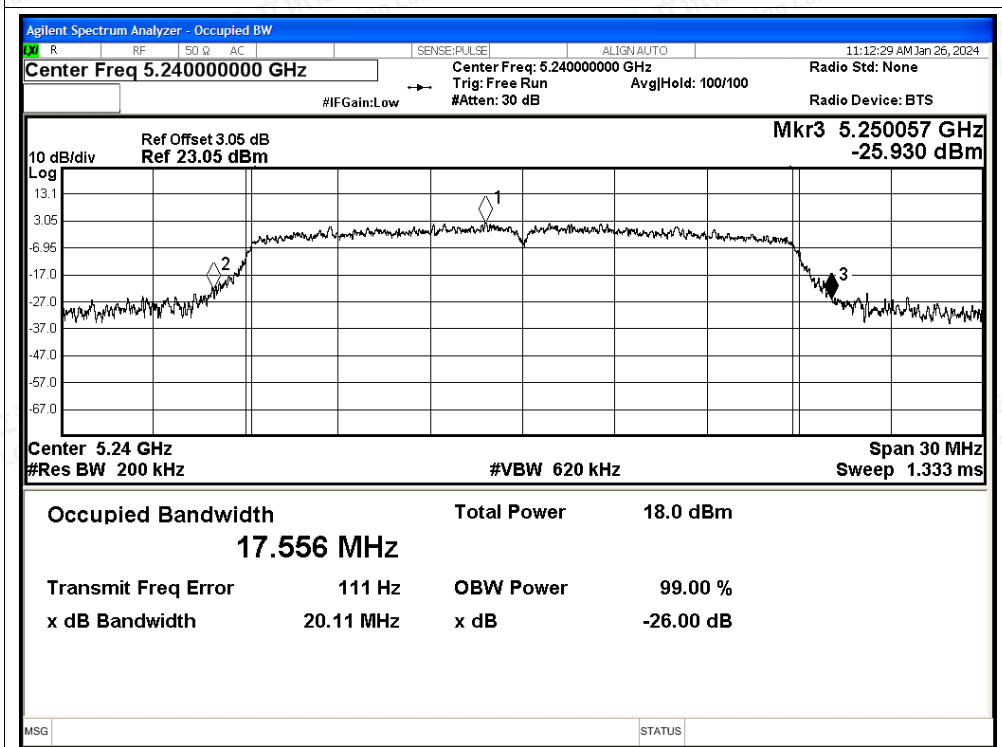


-26dB Bandwidth NVNT ac20 5200MHz Ant1

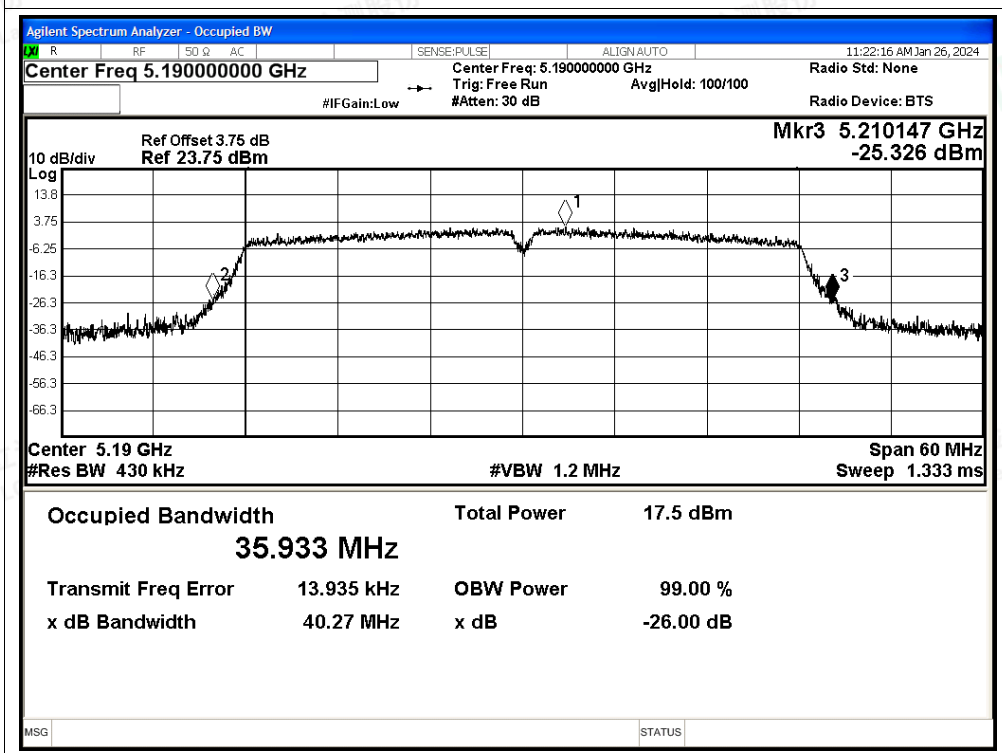




-26dB Bandwidth NVNT ac20 5240MHz Ant1

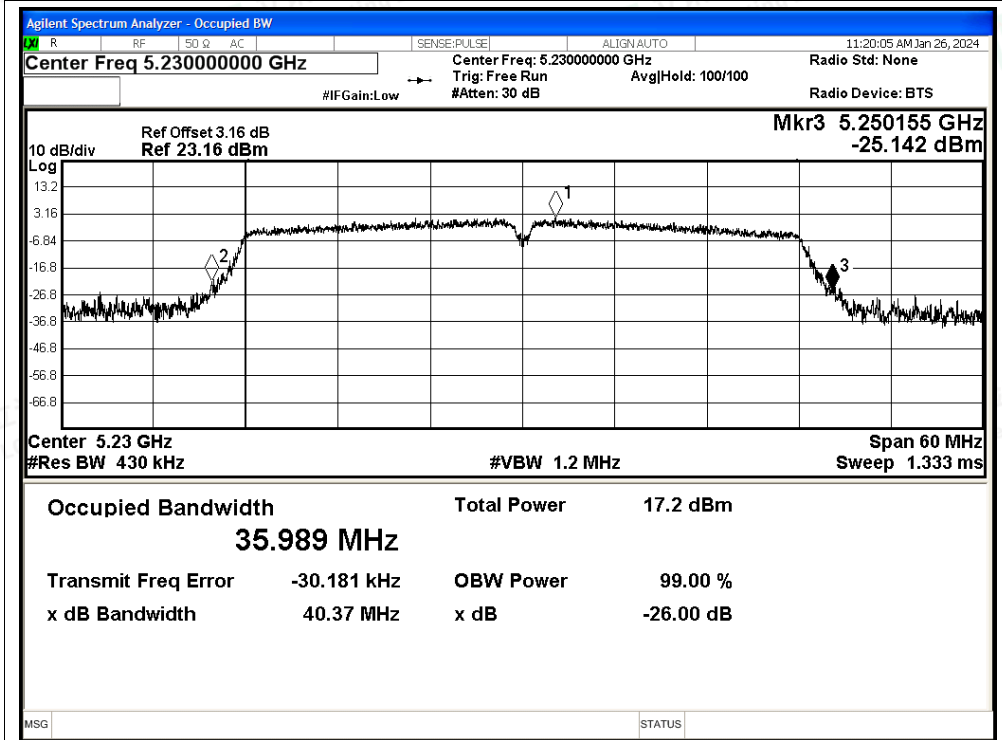


-26dB Bandwidth NVNT ac40 5190MHz Ant1

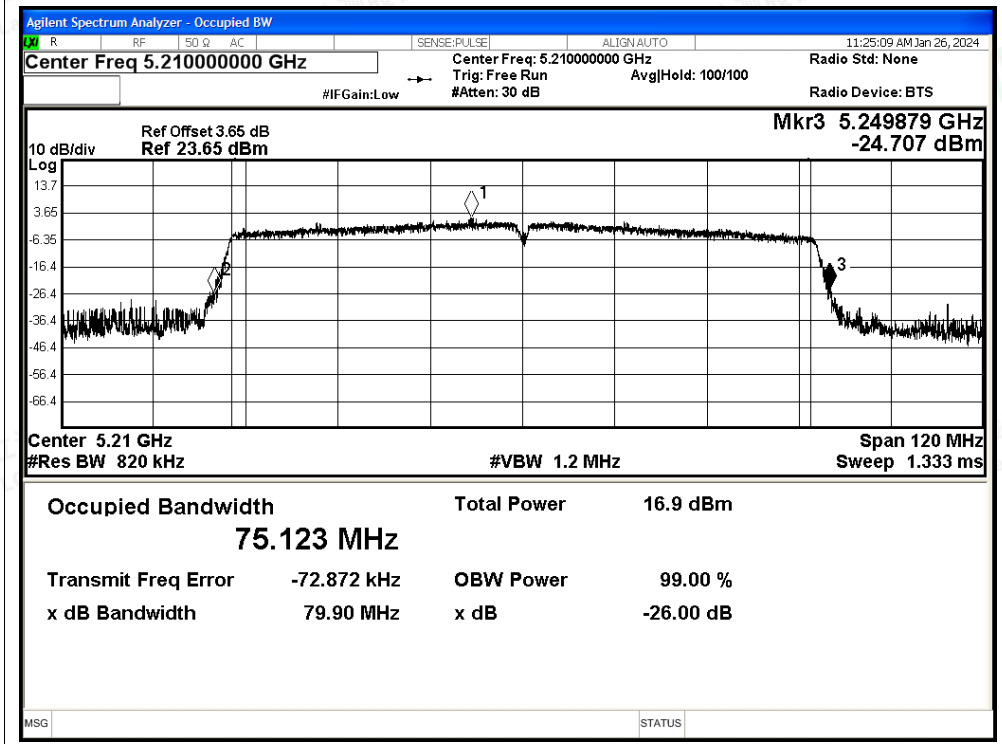




-26dB Bandwidth NVNT ac40 5230MHz Ant1



-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	19.966	>=0.5	Pass
NVNT	a	5200	Ant2	19.566	>=0.5	Pass
NVNT	a	5240	Ant2	19.804	>=0.5	Pass
NVNT	n20	5180	Ant2	20.03	>=0.5	Pass
NVNT	n20	5200	Ant2	20.023	>=0.5	Pass
NVNT	n20	5240	Ant2	21.92	>=0.5	Pass
NVNT	n40	5190	Ant2	40.208	>=0.5	Pass
NVNT	n40	5230	Ant2	40.643	>=0.5	Pass
NVNT	ac20	5180	Ant2	20.159	>=0.5	Pass
NVNT	ac20	5200	Ant2	19.986	>=0.5	Pass
NVNT	ac20	5240	Ant2	19.938	>=0.5	Pass
NVNT	ac40	5190	Ant2	39.845	>=0.5	Pass
NVNT	ac40	5230	Ant2	40.468	>=0.5	Pass
NVNT	ac80	5210	Ant2	80.555	>=0.5	Pass

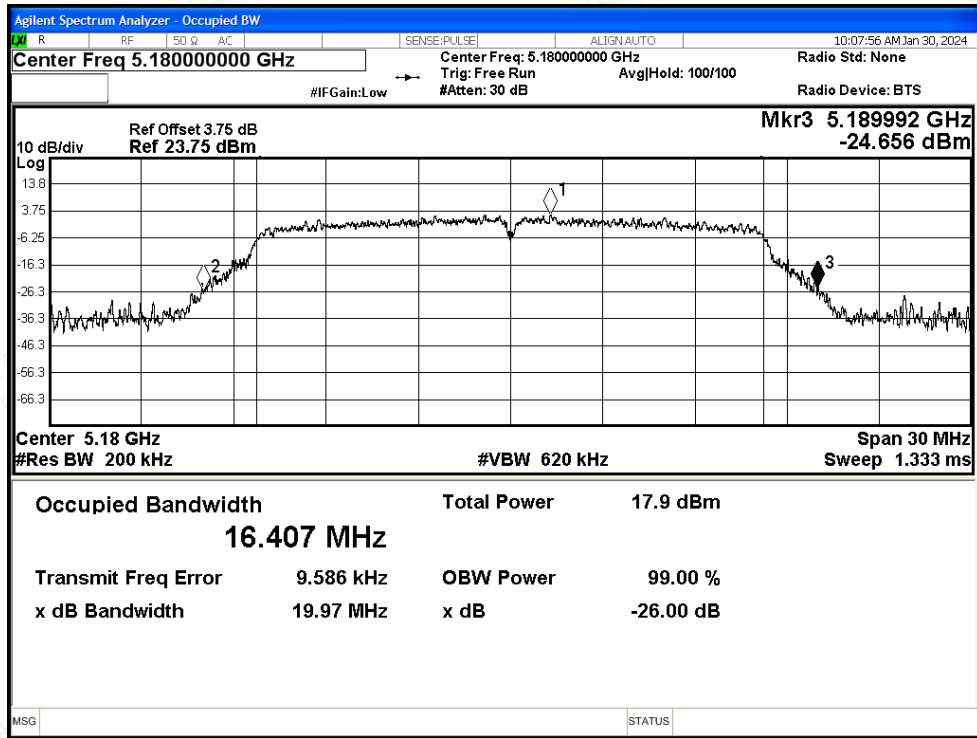


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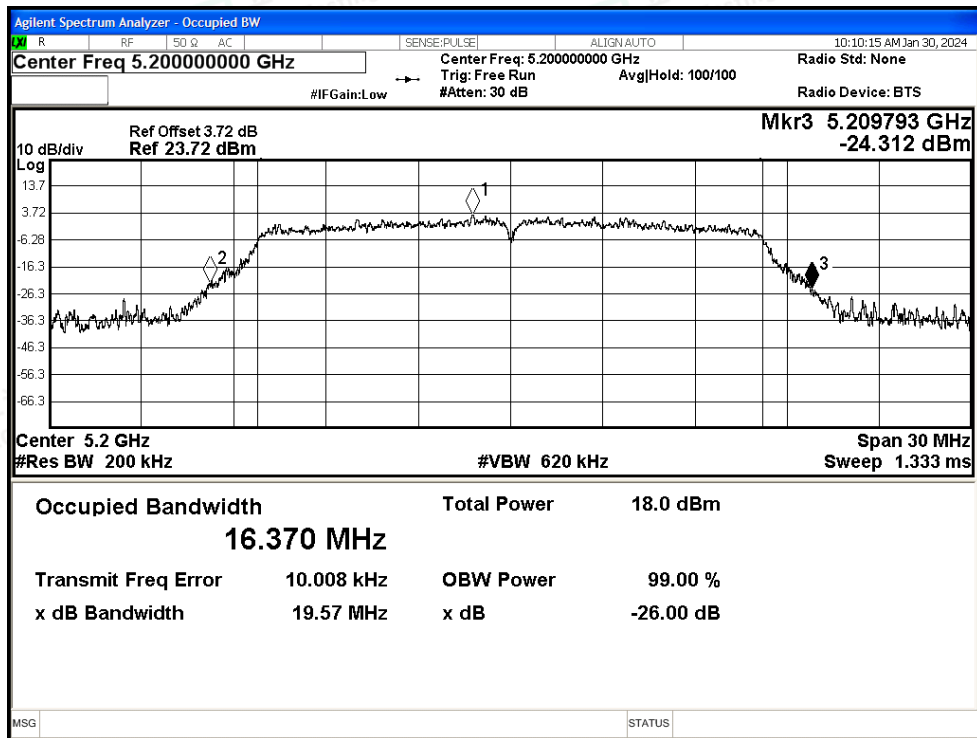


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant2

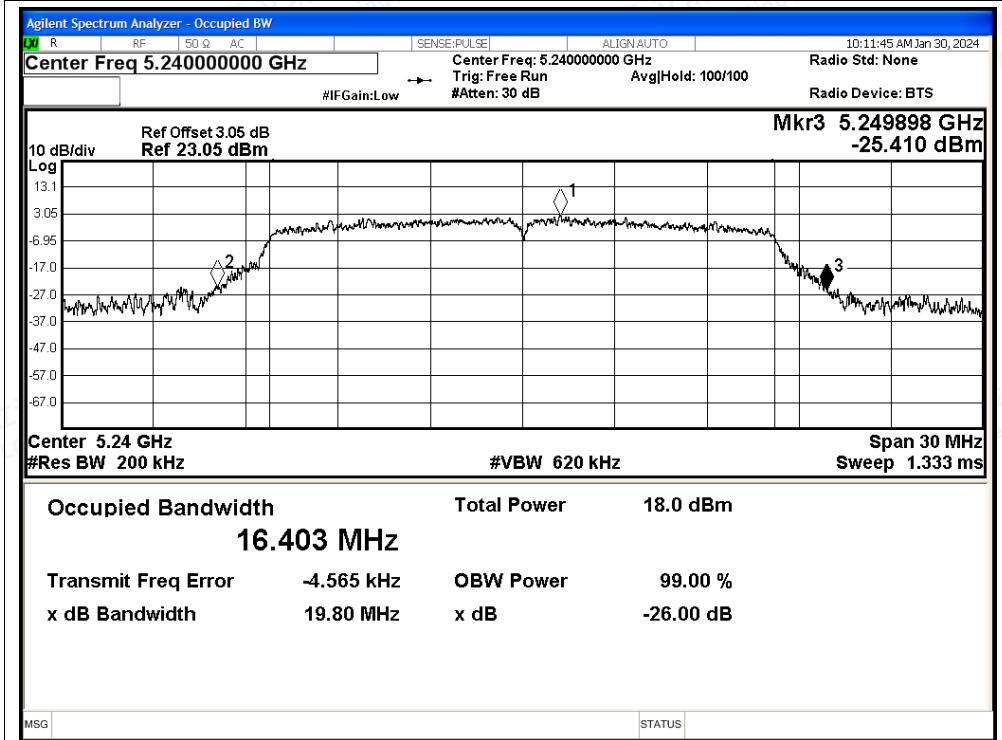


-26dB Bandwidth NVNT a 5200MHz Ant2

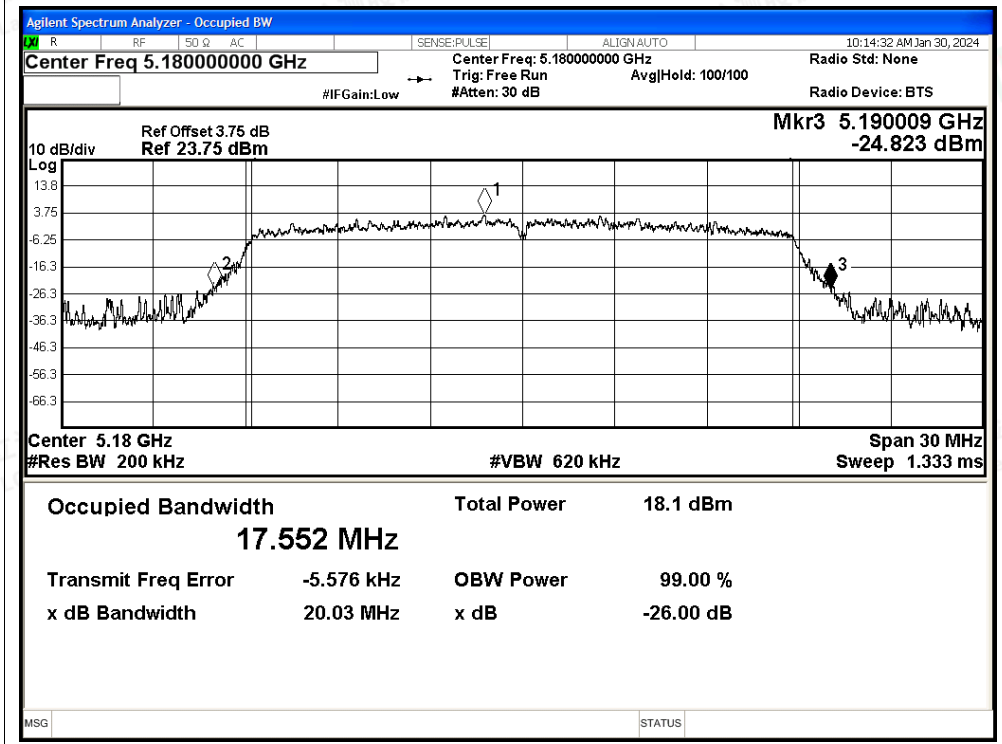




-26dB Bandwidth NVNT a 5240MHz Ant2

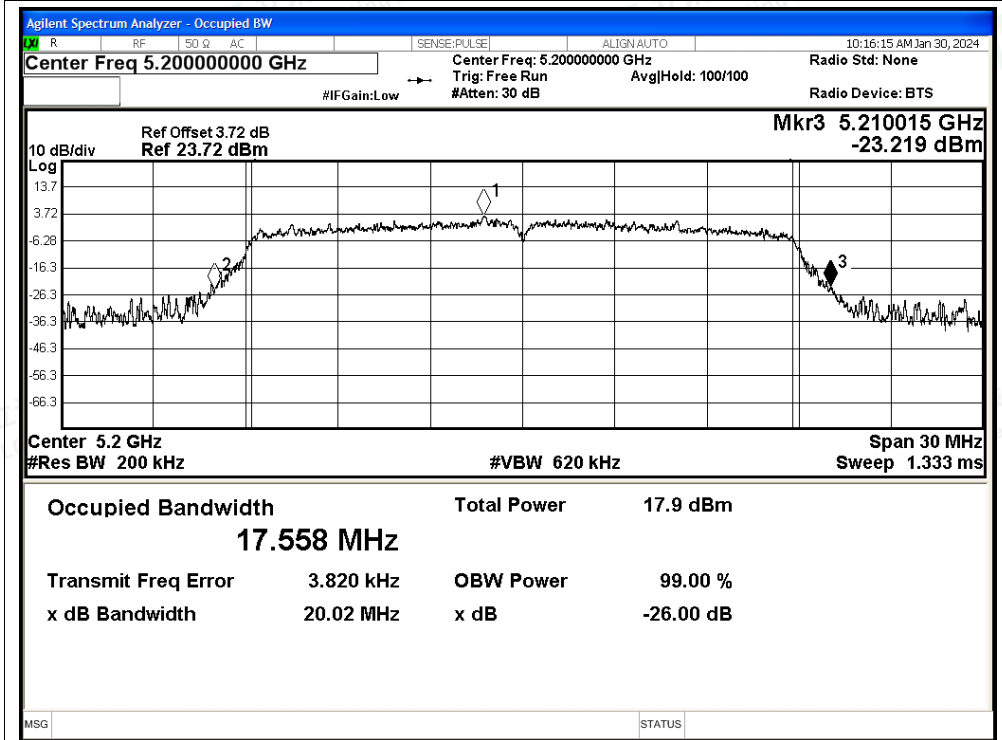


-26dB Bandwidth NVNT n20 5180MHz Ant2

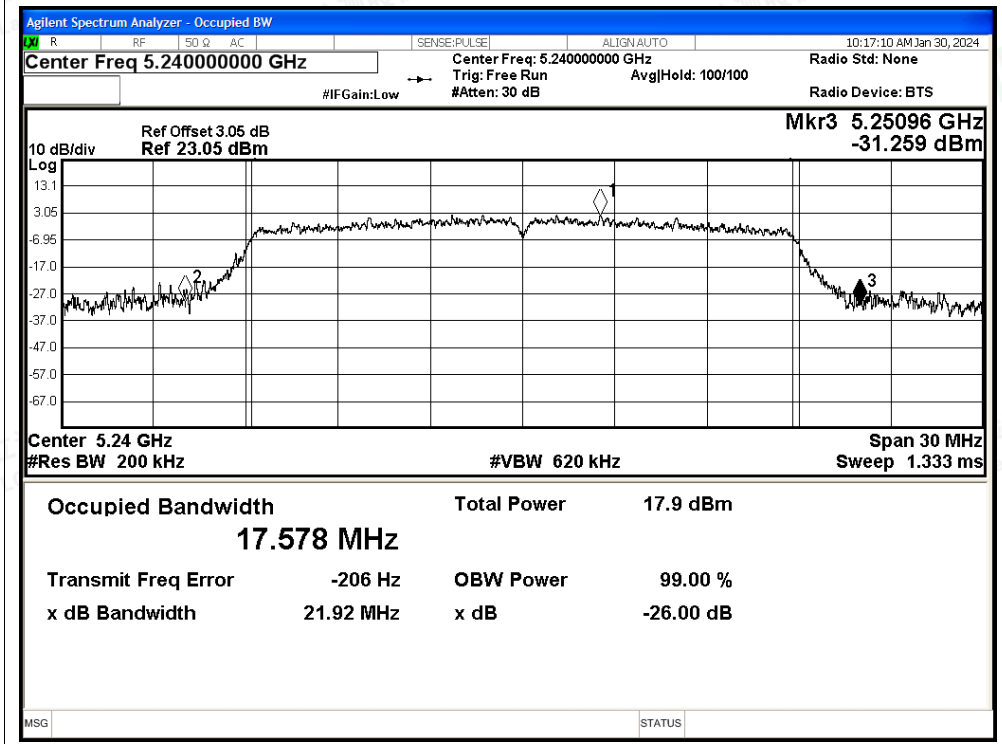




-26dB Bandwidth NVNT n20 5200MHz Ant2

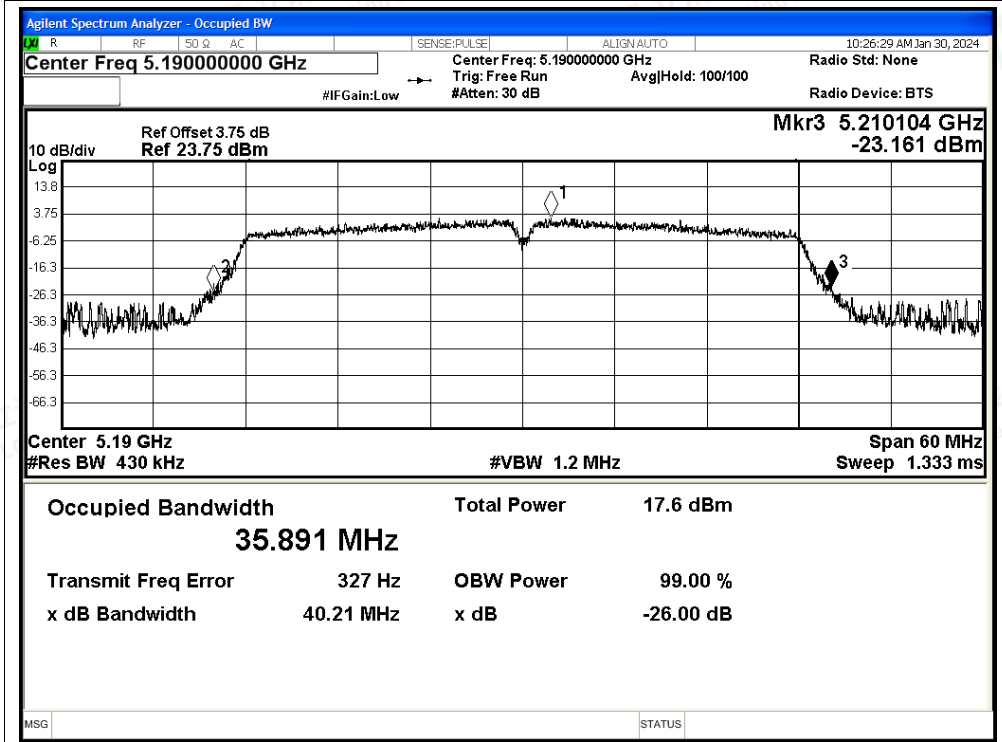


-26dB Bandwidth NVNT n20 5240MHz Ant2

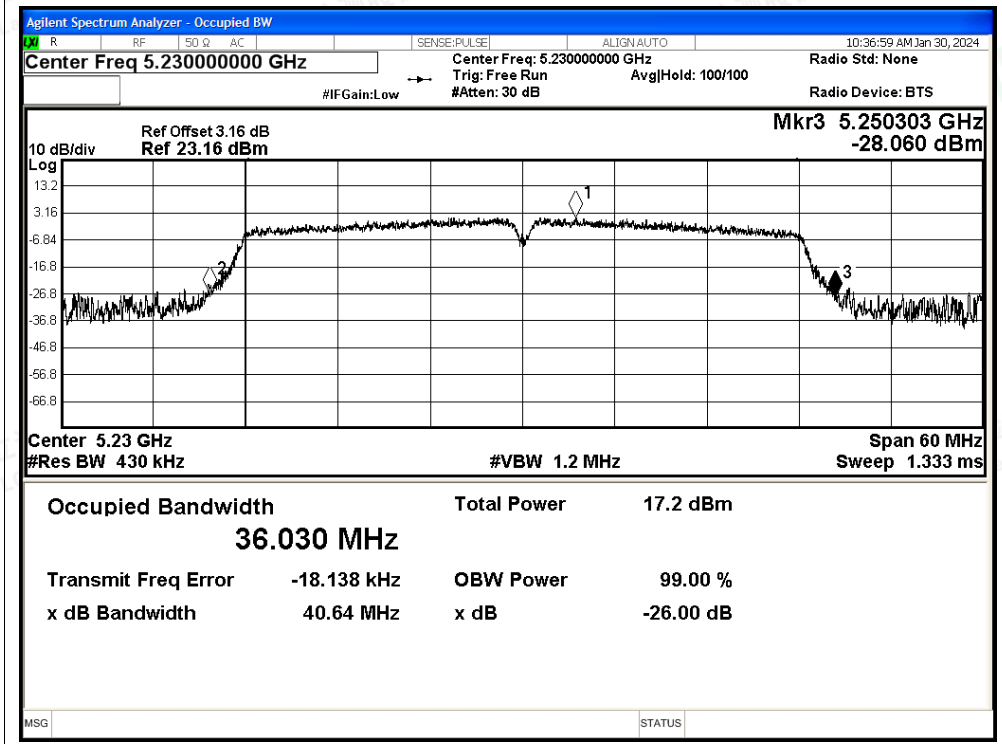




-26dB Bandwidth NVNT n40 5190MHz Ant2

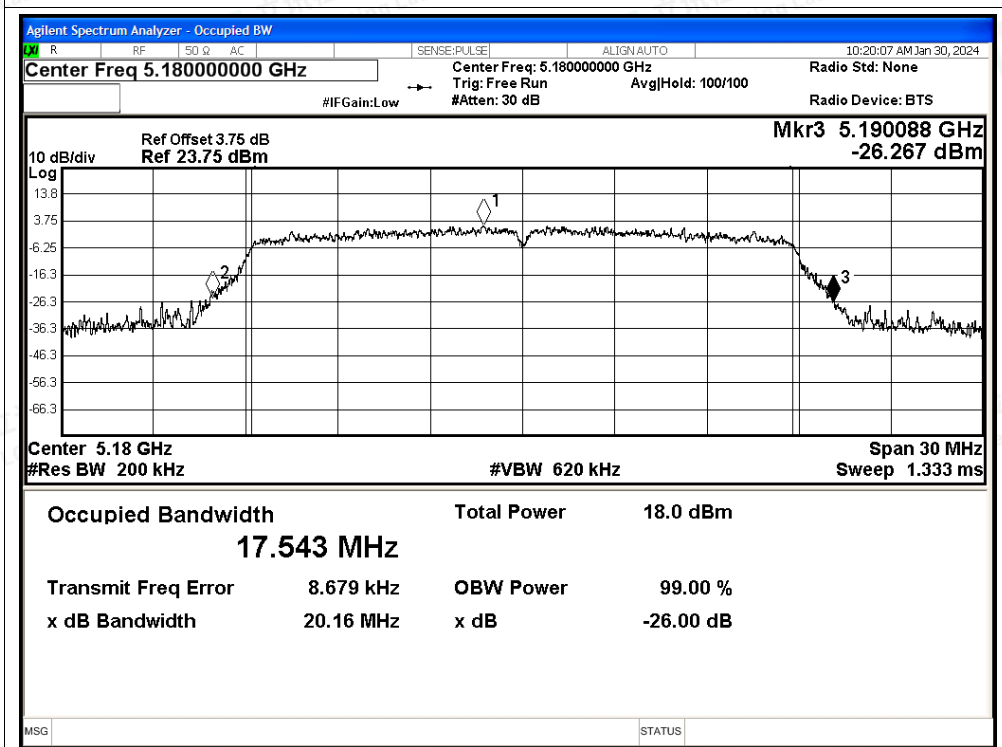


-26dB Bandwidth NVNT n40 5230MHz Ant2

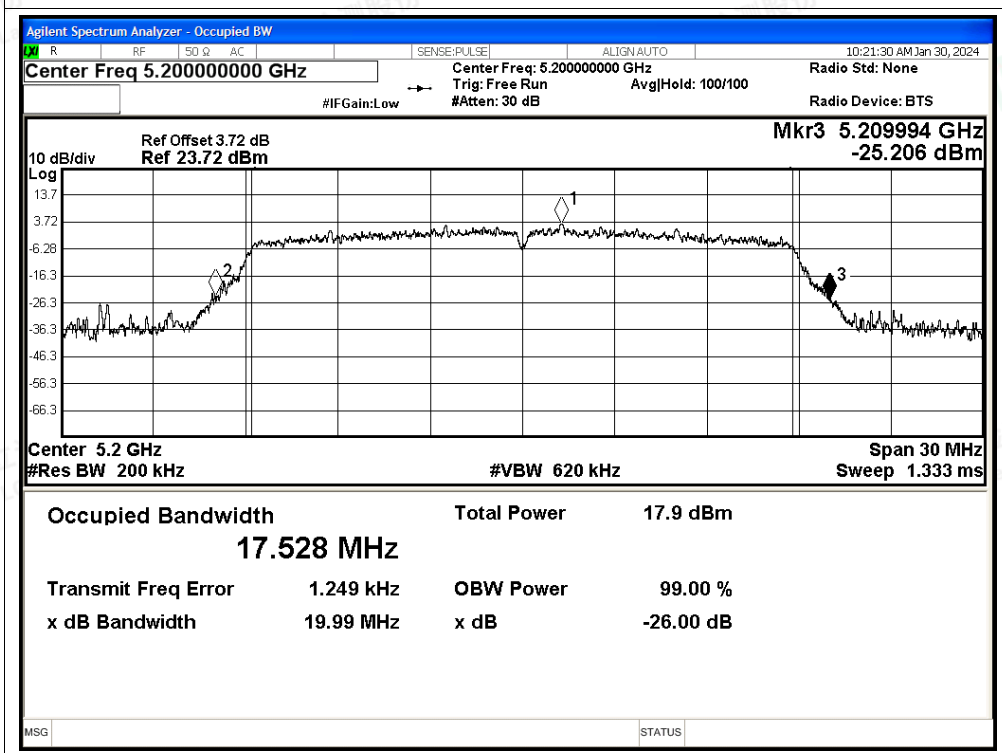




-26dB Bandwidth NVNT ac20 5180MHz Ant2

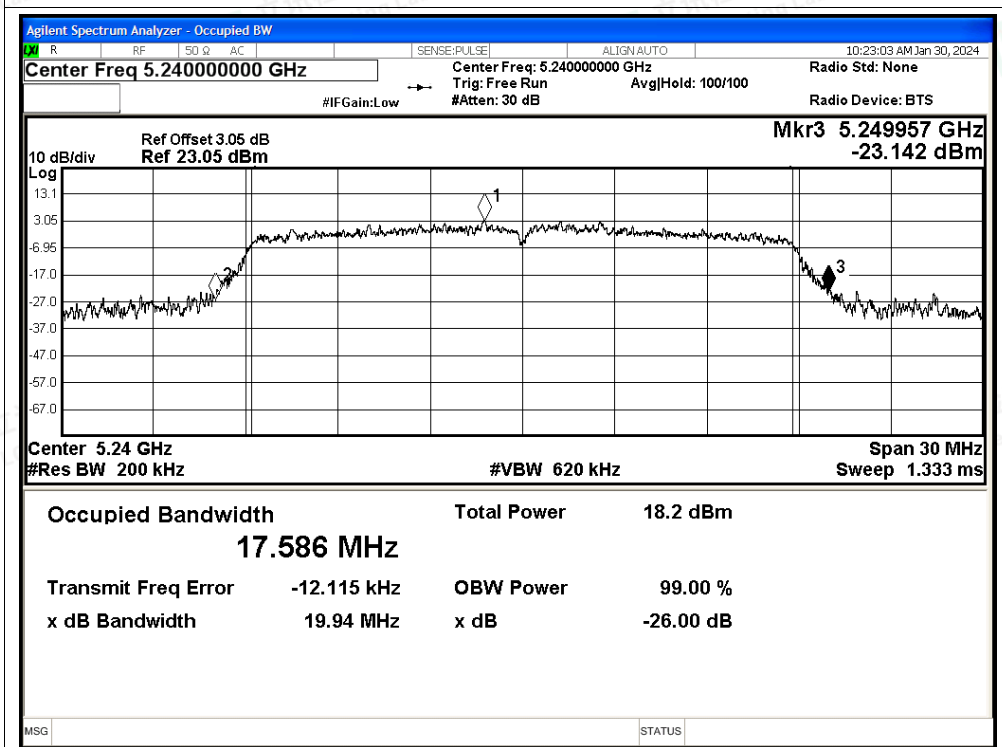


-26dB Bandwidth NVNT ac20 5200MHz Ant2

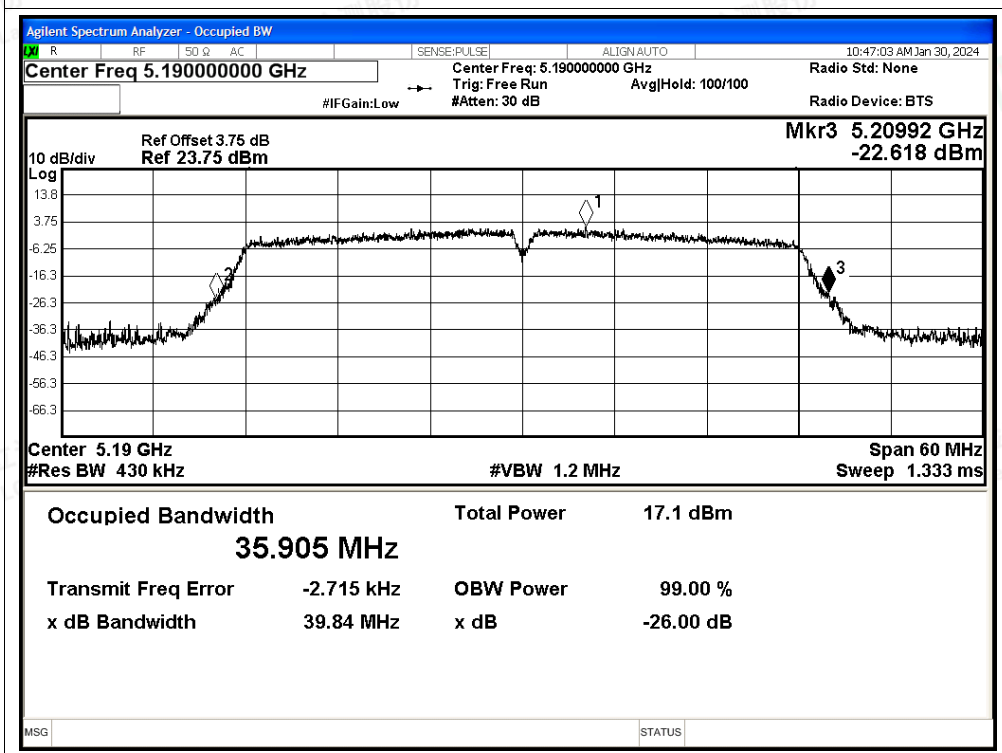




-26dB Bandwidth NVNT ac20 5240MHz Ant2

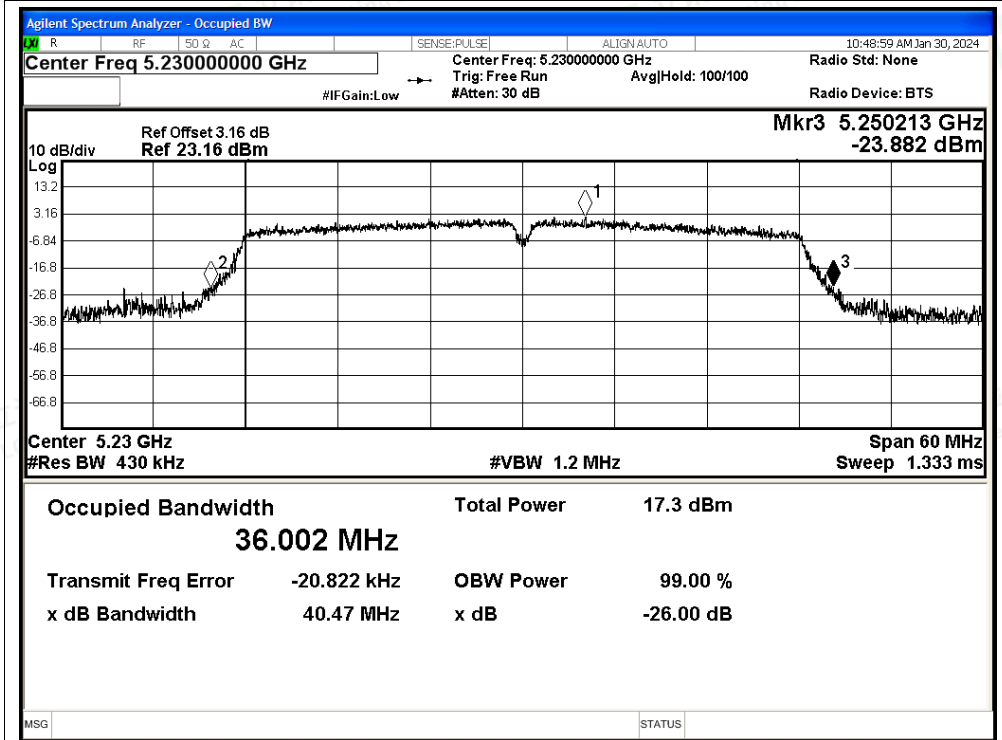


-26dB Bandwidth NVNT ac40 5190MHz Ant2

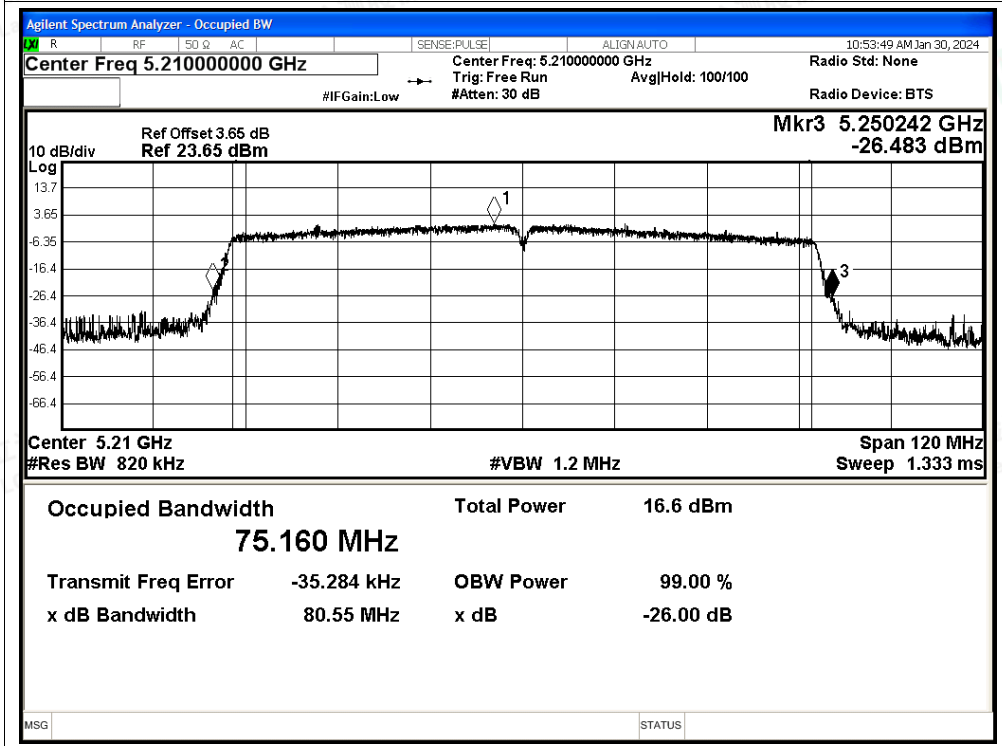




-26dB Bandwidth NVNT ac40 5230MHz Ant2



-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	12.46	0.13	12.59	24	Pass
NVNT	a	5200	Ant1	12.53	0.13	12.66	24	Pass
NVNT	a	5240	Ant1	12.57	0.13	12.7	24	Pass
NVNT	n20	5180	Ant1	12.27	0.15	12.42	24	Pass
NVNT	n20	5200	Ant1	12.48	0.15	12.63	24	Pass
NVNT	n20	5240	Ant1	12.56	0.15	12.71	24	Pass
NVNT	n40	5190	Ant1	11.64	0.29	11.93	24	Pass
NVNT	n40	5230	Ant1	11.48	0.29	11.77	24	Pass
NVNT	ac20	5180	Ant1	12.59	0.14	12.73	24	Pass
NVNT	ac20	5200	Ant1	12.22	0.14	12.36	24	Pass
NVNT	ac20	5240	Ant1	12.39	0.14	12.53	24	Pass
NVNT	ac40	5190	Ant1	11.23	0.28	11.51	24	Pass
NVNT	ac40	5230	Ant1	11.02	0.28	11.3	24	Pass
NVNT	ac80	5210	Ant1	10.33	0.55	10.88	24	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant2	12.34	0.13	12.47	24	Pass
NVNT	a	5200	Ant2	12.42	0.13	12.55	24	Pass
NVNT	a	5240	Ant2	12.46	0.13	12.59	24	Pass
NVNT	n20	5180	Ant2	12.15	0.15	12.3	24	Pass
NVNT	n20	5200	Ant2	12.25	0.15	12.4	24	Pass
NVNT	n20	5240	Ant2	12.29	0.15	12.44	24	Pass
NVNT	n40	5190	Ant2	11.83	0.29	12.12	24	Pass
NVNT	n40	5230	Ant2	11.29	0.29	11.58	24	Pass
NVNT	ac20	5180	Ant2	12.46	0.15	12.61	24	Pass
NVNT	ac20	5200	Ant2	12.21	0.14	12.35	24	Pass
NVNT	ac20	5240	Ant2	12.28	0.14	12.42	24	Pass
NVNT	ac40	5190	Ant2	11.22	0.28	11.5	24	Pass
NVNT	ac40	5230	Ant2	11.36	0.28	11.64	24	Pass
NVNT	ac80	5210	Ant2	9.79	0.55	10.34	24	Pass



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MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5180	12.42	12.3	15.37	24.00	Pass
NVNT	n20	5200	12.63	12.4	15.53	24.00	Pass
NVNT	n20	5240	12.71	12.44	15.59	24.00	Pass
NVNT	n40	5190	11.93	12.12	15.04	24.00	Pass
NVNT	n40	5230	11.77	11.58	14.69	24.00	Pass
NVNT	ac20	5180	12.73	12.61	15.68	24.00	Pass
NVNT	ac20	5200	12.36	12.35	15.37	24.00	Pass
NVNT	ac20	5240	12.53	12.42	15.49	24.00	Pass
NVNT	ac40	5190	11.51	11.5	14.52	24.00	Pass
NVNT	ac40	5230	11.3	11.64	14.48	24.00	Pass
NVNT	ac80	5210	10.88	10.34	13.63	24.00	Pass



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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	Ant1	2.73	0.13	2.86	11	Pass
NVNT	a	5200	Ant1	2.78	0.13	2.91	11	Pass
NVNT	a	5240	Ant1	3.06	0.13	3.19	11	Pass
NVNT	n20	5180	Ant1	2.79	0.15	2.94	11	Pass
NVNT	n20	5200	Ant1	2.66	0.15	2.81	11	Pass
NVNT	n20	5240	Ant1	2.63	0.15	2.78	11	Pass
NVNT	n40	5190	Ant1	-0.79	0.29	-0.5	11	Pass
NVNT	n40	5230	Ant1	-1.05	0.29	-0.76	11	Pass
NVNT	ac20	5180	Ant1	2.82	0.14	2.96	11	Pass
NVNT	ac20	5200	Ant1	2.54	0.14	2.68	11	Pass
NVNT	ac20	5240	Ant1	2.15	0.14	2.29	11	Pass
NVNT	ac40	5190	Ant1	-1.25	0.28	-0.97	11	Pass
NVNT	ac40	5230	Ant1	-1.03	0.28	-0.75	11	Pass
NVNT	ac80	5210	Ant1	-4.83	0.55	-4.28	11	Pass

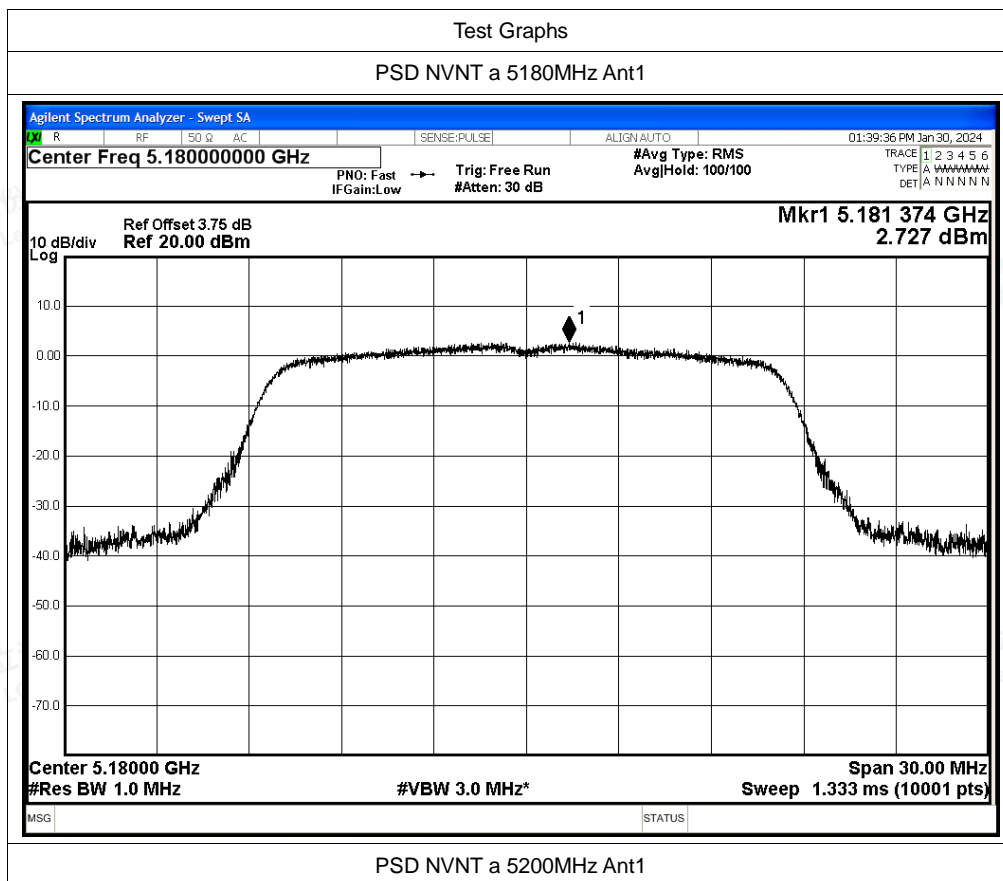
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant2	2.94	0.13	3.07	11	Pass
NVNT	a	5200	Ant2	2.8	0.13	2.93	11	Pass
NVNT	a	5240	Ant2	2.92	0.13	3.05	11	Pass
NVNT	n20	5180	Ant2	2.5	0.15	2.65	11	Pass
NVNT	n20	5200	Ant2	2.63	0.15	2.78	11	Pass
NVNT	n20	5240	Ant2	2.84	0.15	2.99	11	Pass
NVNT	n40	5190	Ant2	-1.08	0.29	-0.79	11	Pass
NVNT	n40	5230	Ant2	-1.51	0.29	-1.22	11	Pass
NVNT	ac20	5180	Ant2	3.01	0.15	3.16	11	Pass
NVNT	ac20	5200	Ant2	3.02	0.14	3.16	11	Pass
NVNT	ac20	5240	Ant2	2.54	0.14	2.68	11	Pass
NVNT	ac40	5190	Ant2	-1.52	0.28	-1.24	11	Pass
NVNT	ac40	5230	Ant2	-1.42	0.28	-1.14	11	Pass
NVNT	ac80	5210	Ant2	-5.51	0.55	-4.96	11	Pass

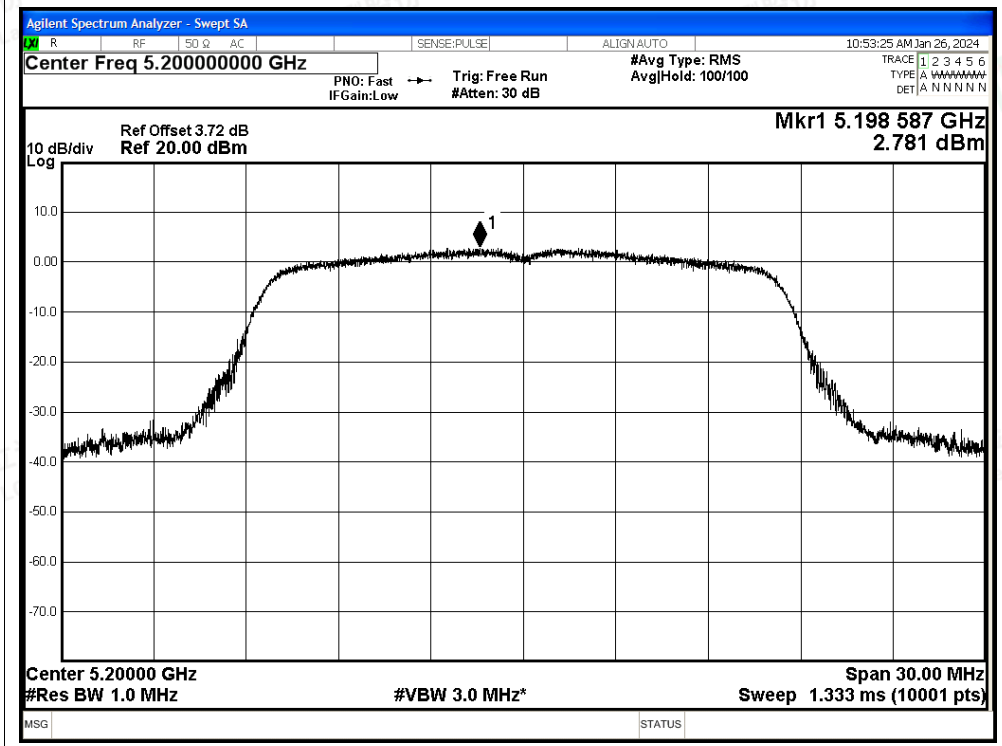




MIMO

Condition	Mode	Frequency (MHz)	Total PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	n20	5180	2.94	2.65	5.81	10.86	Pass
NVNT	n20	5200	2.81	2.78	5.81	10.86	Pass
NVNT	n20	5240	2.78	2.99	5.90	10.86	Pass
NVNT	n40	5190	-0.5	-0.79	2.37	10.86	Pass
NVNT	n40	5230	-0.76	-1.22	2.03	10.86	Pass
NVNT	ac20	5180	2.96	3.16	6.07	10.86	Pass
NVNT	ac20	5200	2.68	3.16	5.94	10.86	Pass
NVNT	ac20	5240	2.29	2.68	5.50	10.86	Pass
NVNT	ac40	5190	-0.97	-1.24	1.91	10.86	Pass
NVNT	ac40	5230	-0.75	-1.14	2.07	10.86	Pass
NVNT	ac80	5210	-4.28	-4.96	-1.60	10.86	Pass

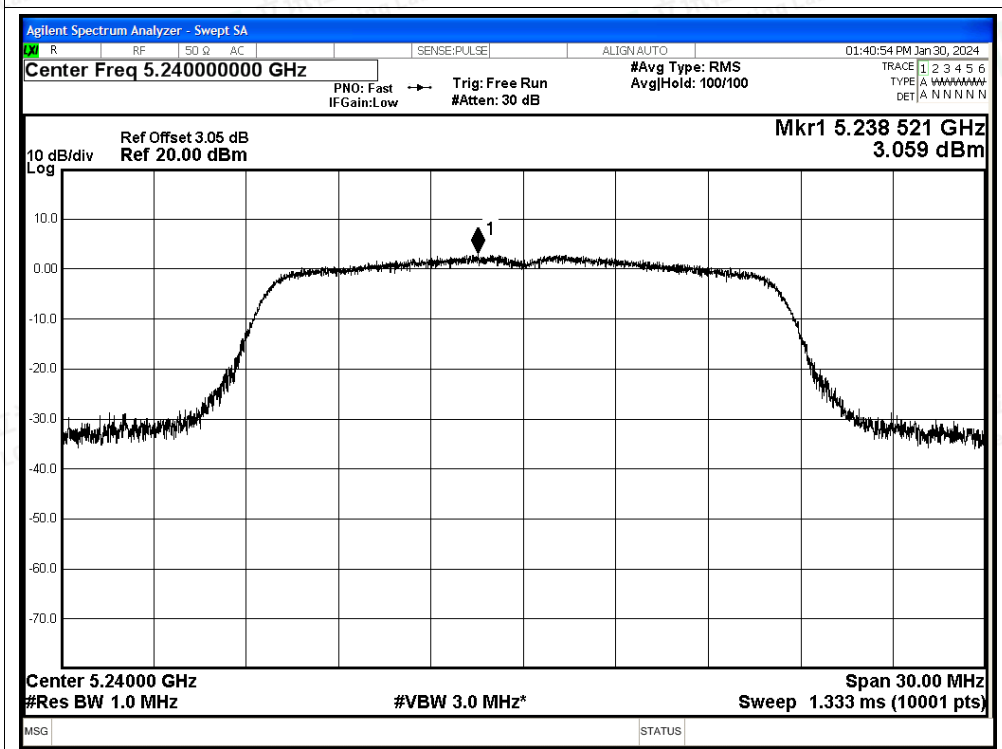




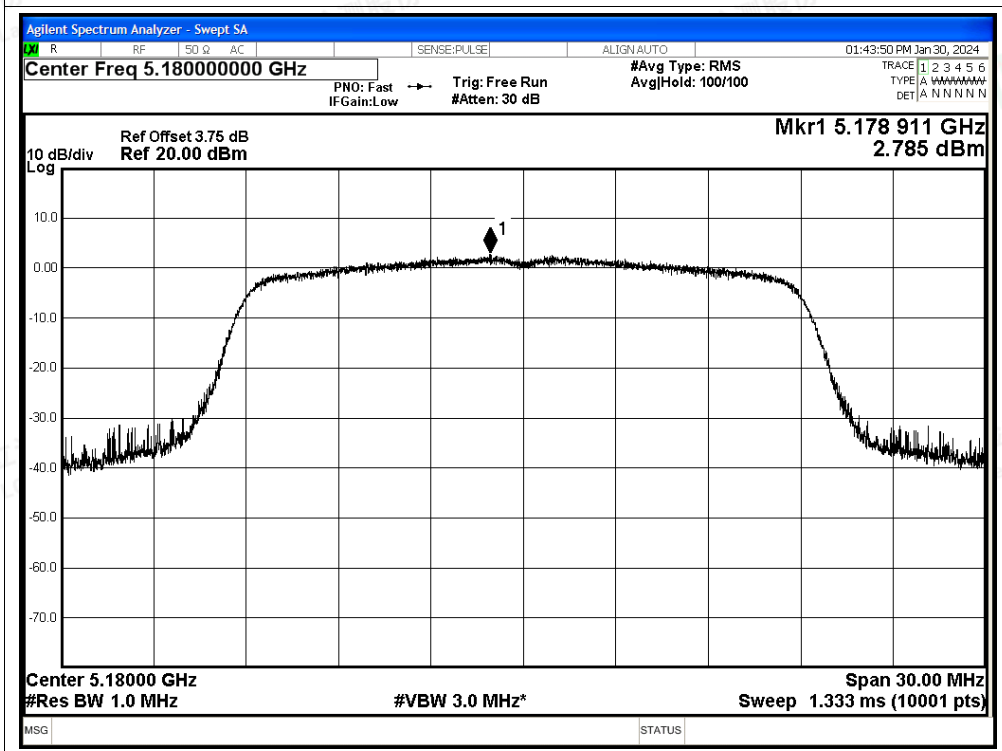
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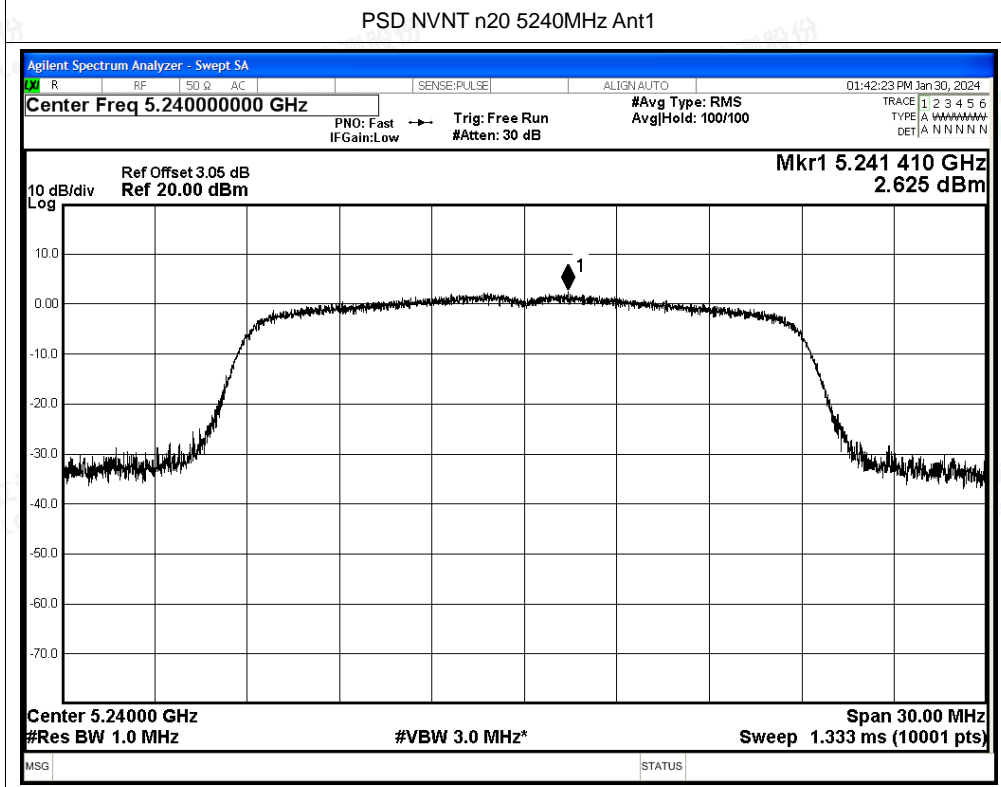
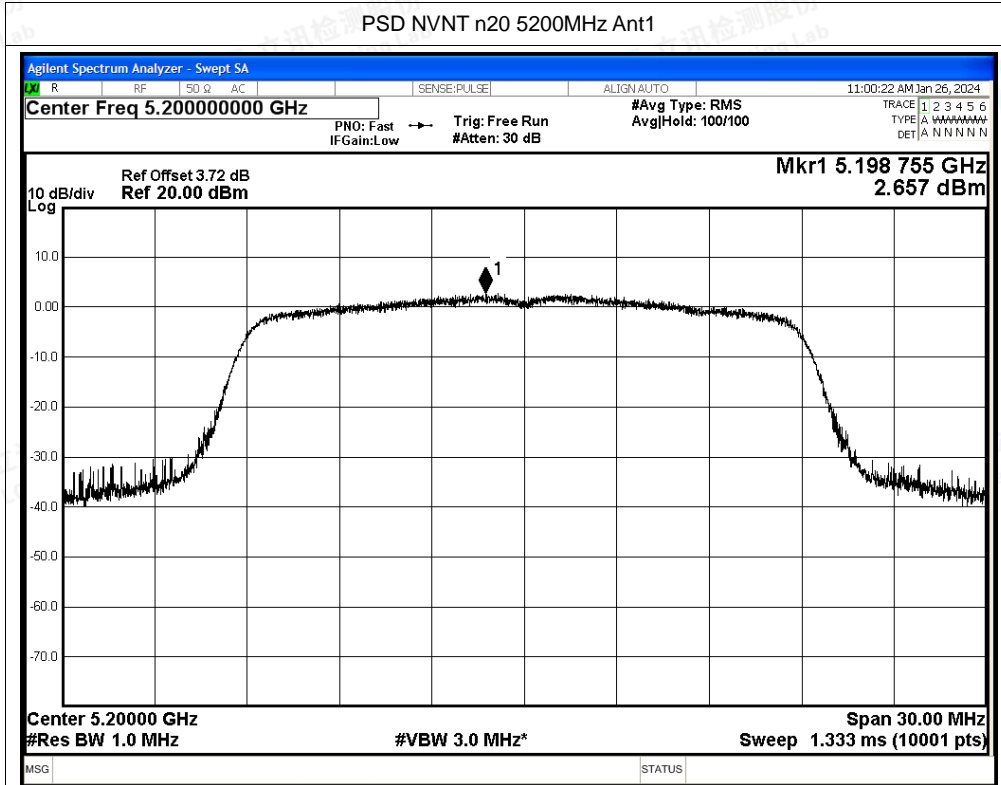


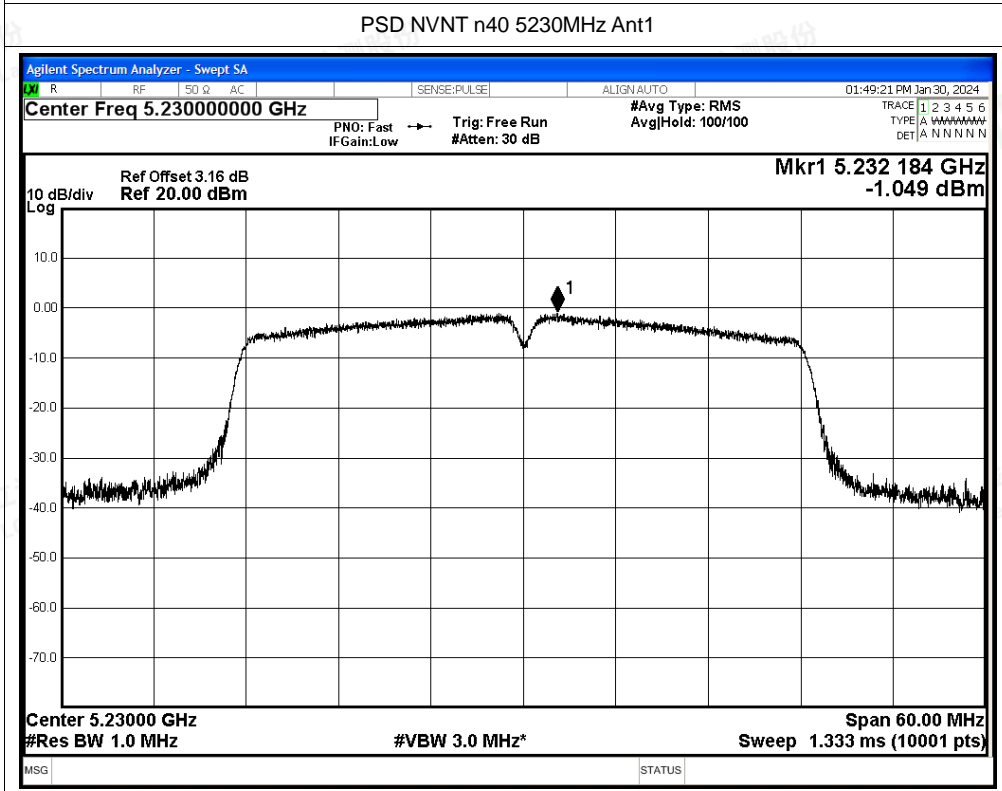
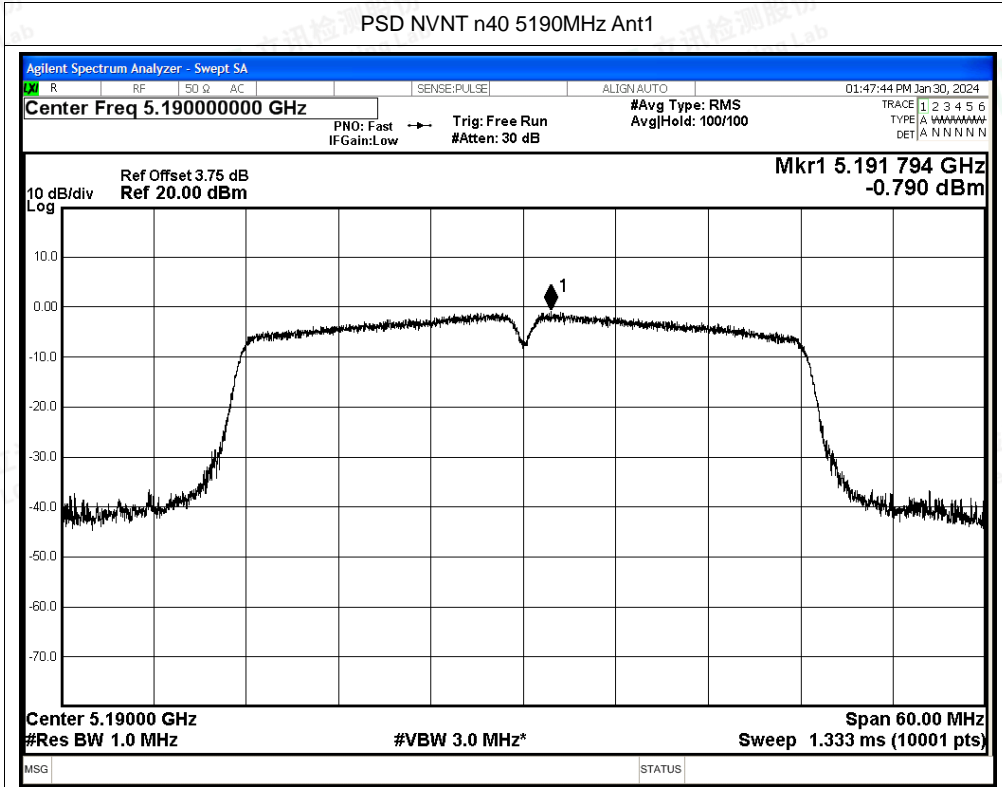
PSD NVNT a 5240MHz Ant1

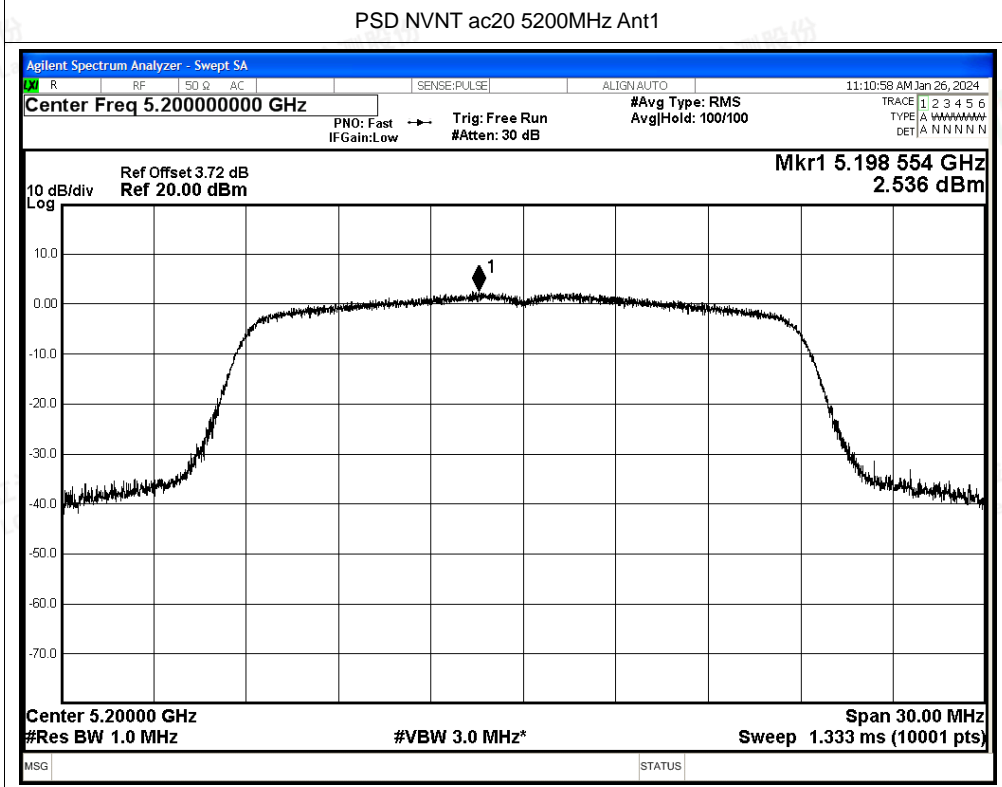
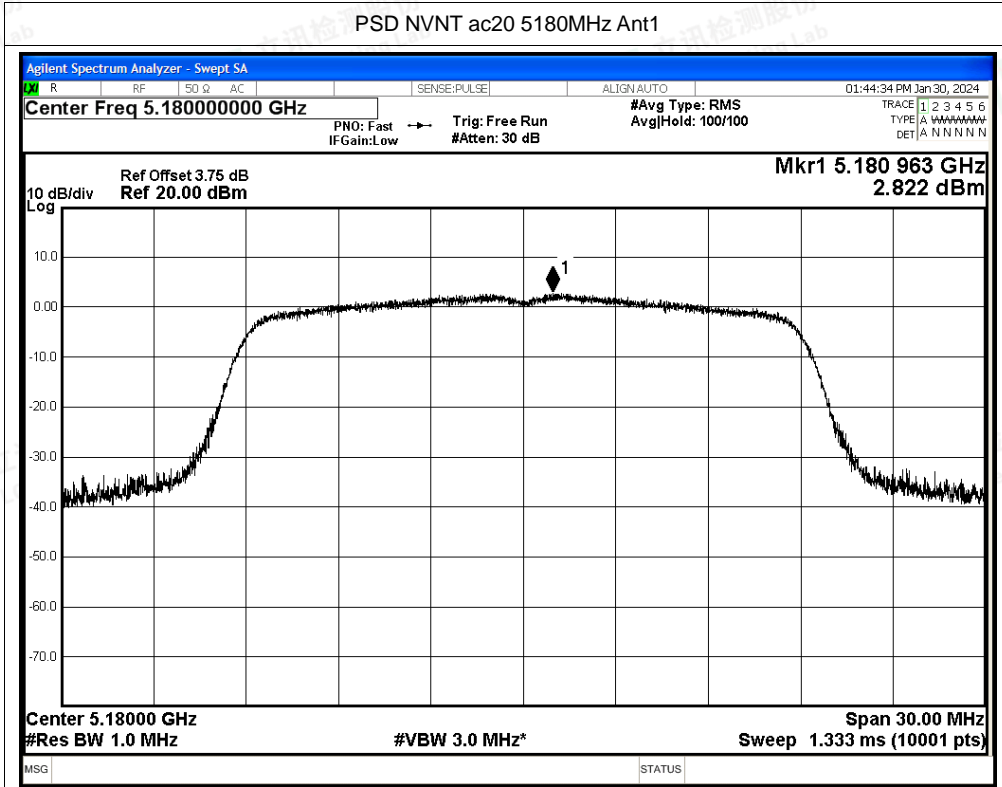


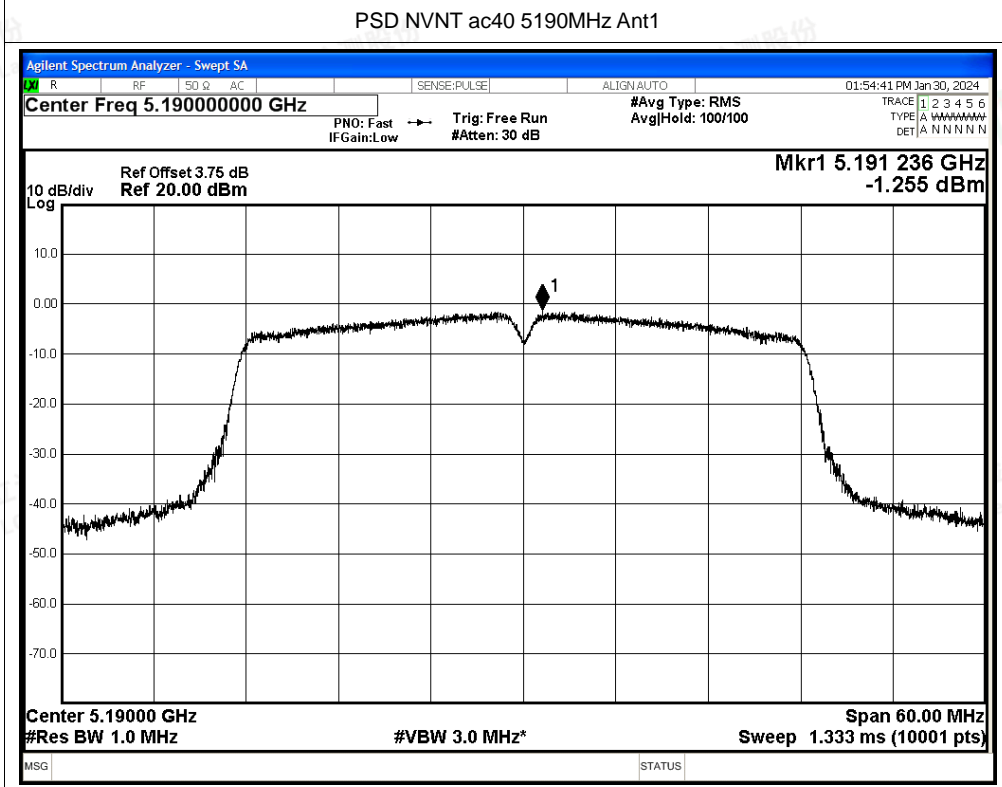
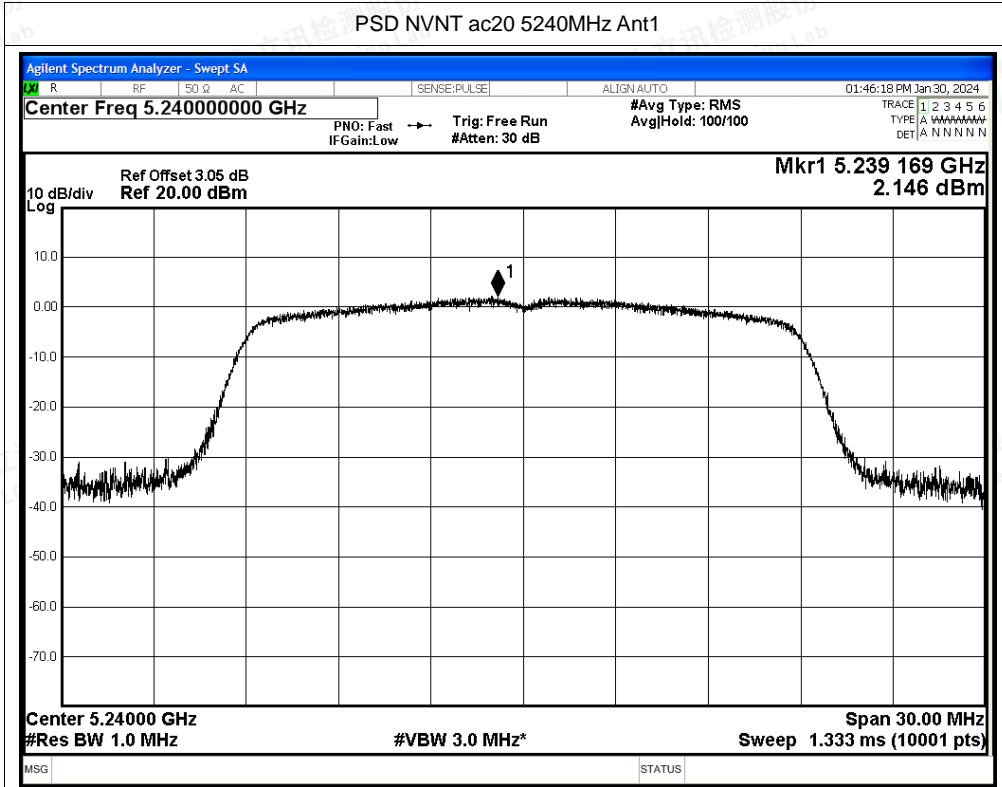
PSD NVNT n20 5180MHz Ant1

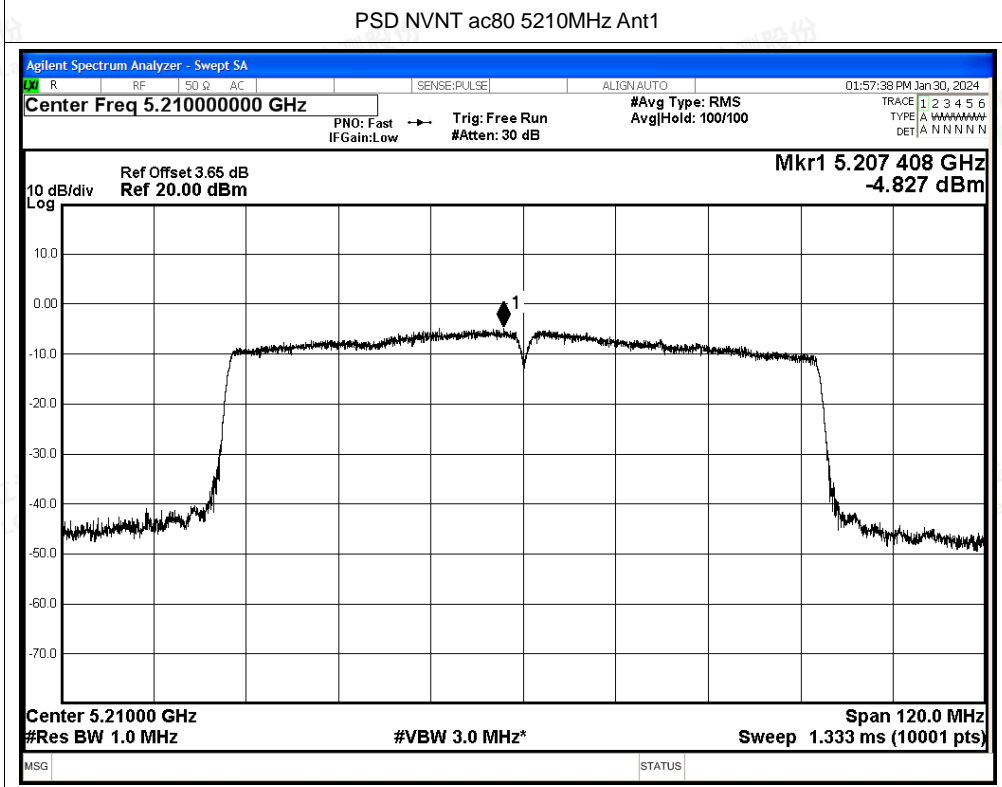
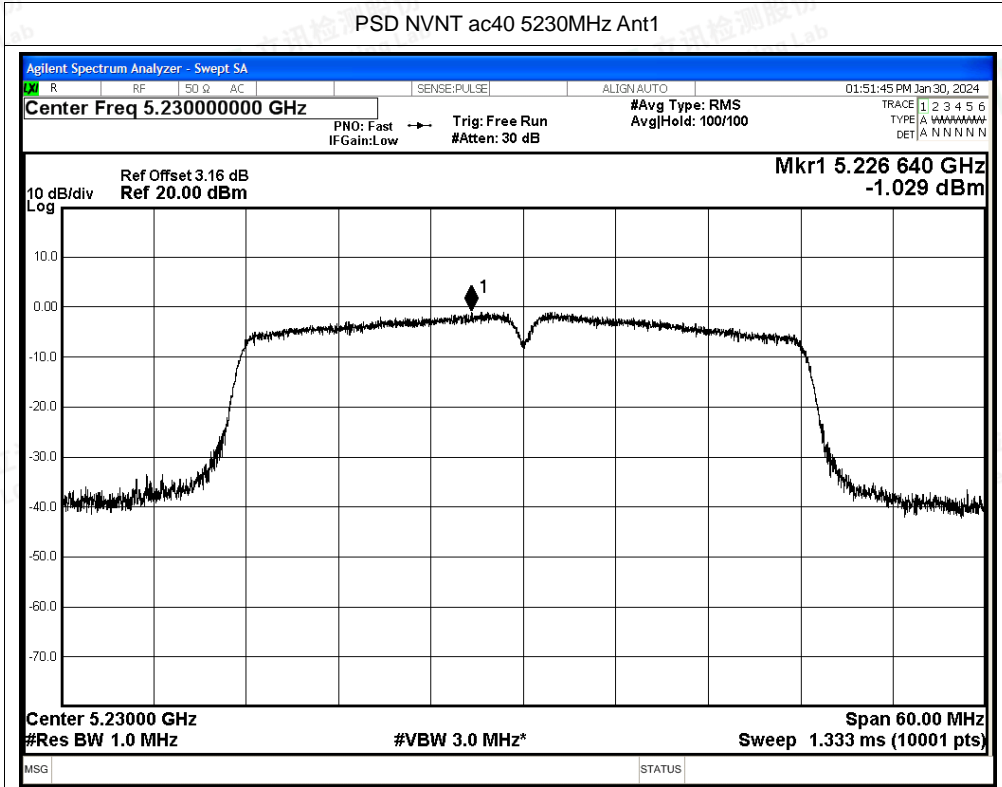








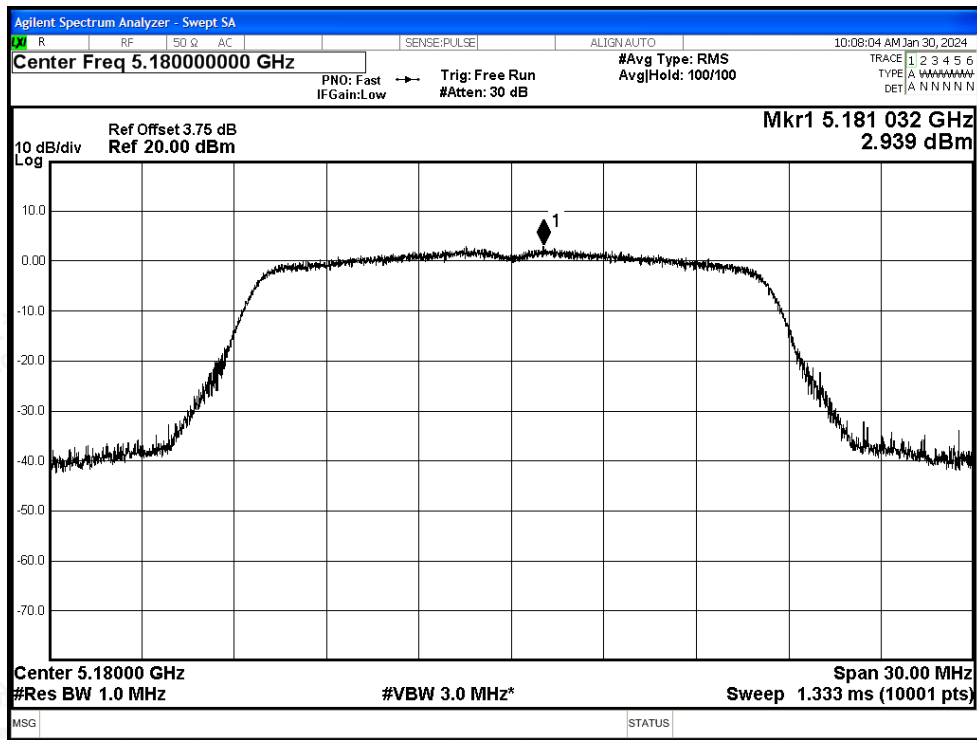




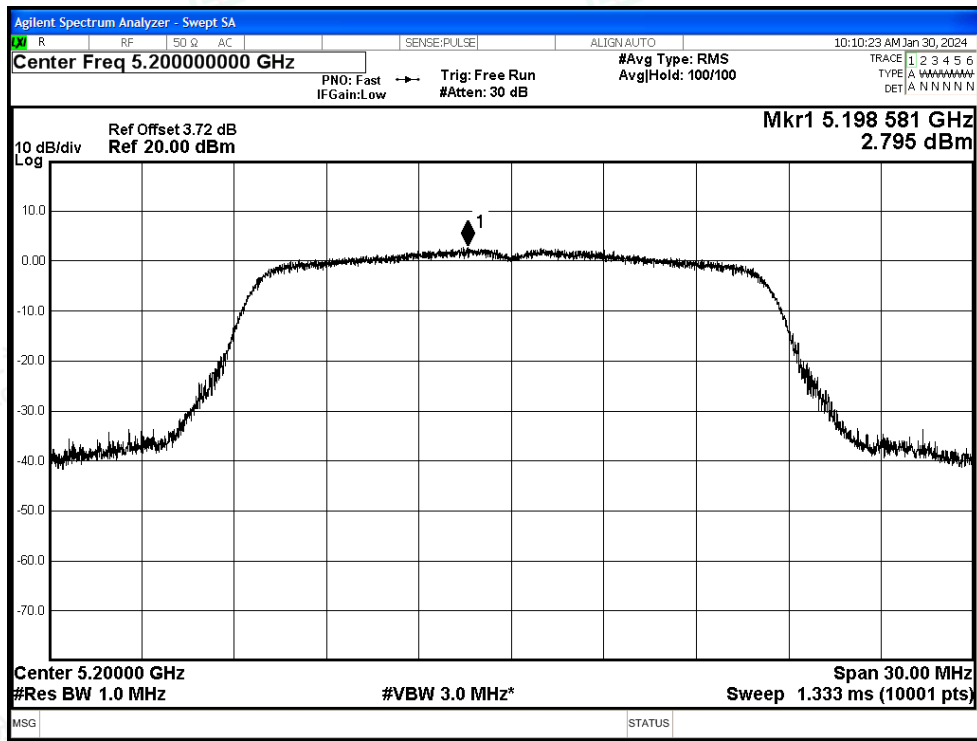


Test Graphs

PSD NVNT a 5180MHz Ant2

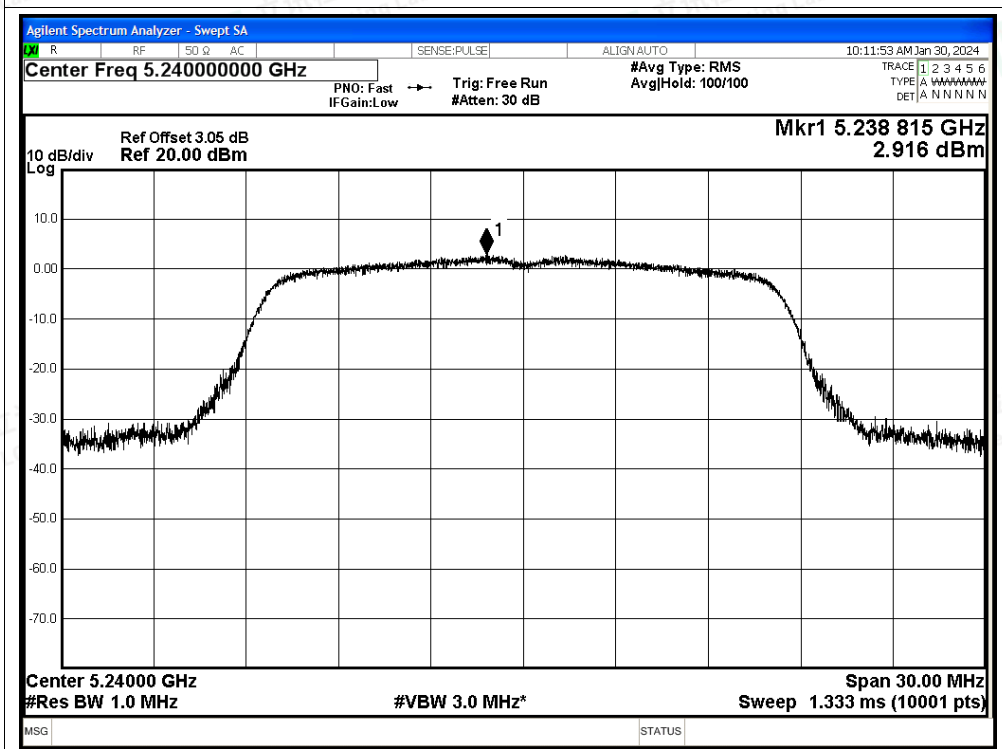


PSD NVNT a 5200MHz Ant2

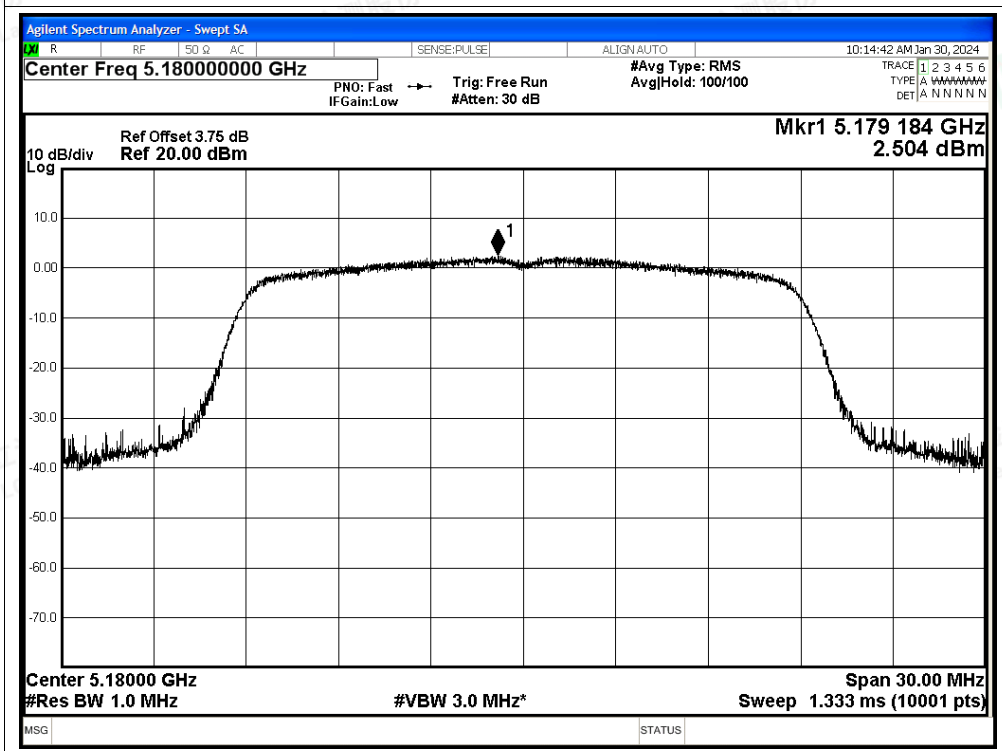


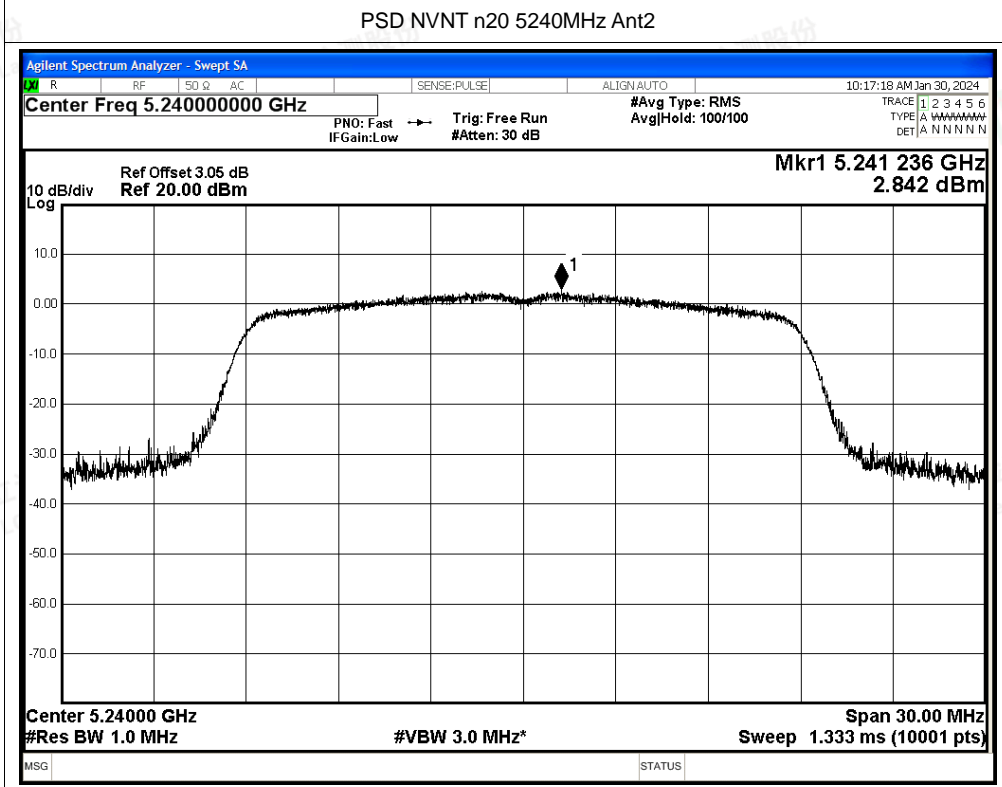
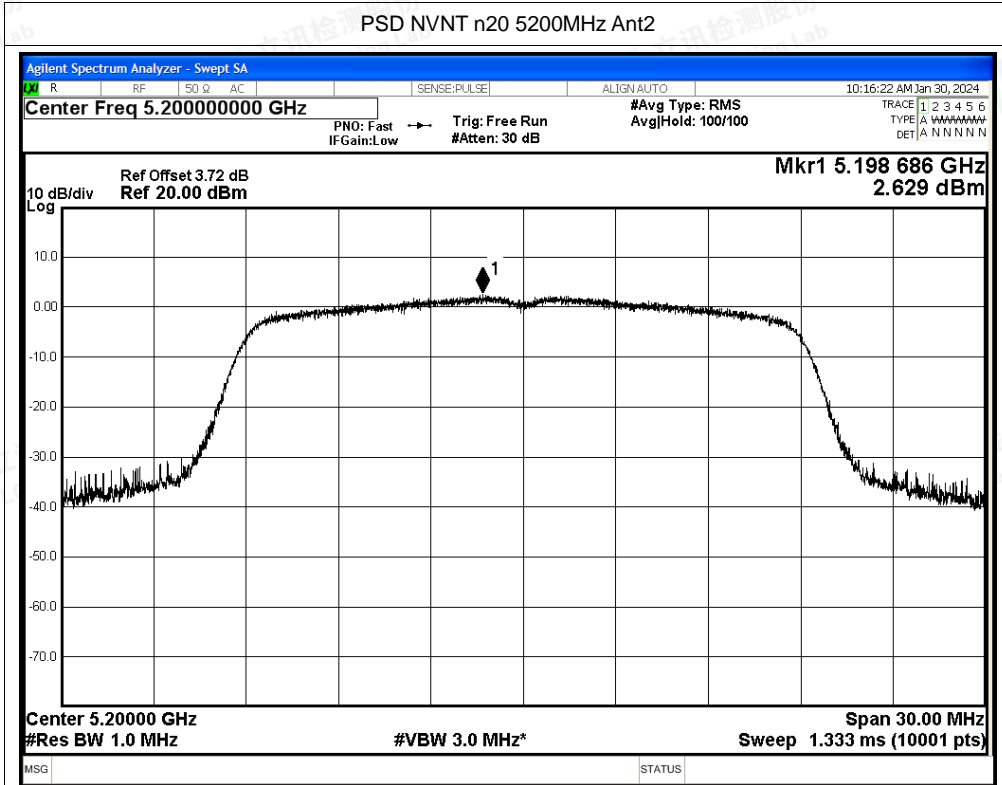


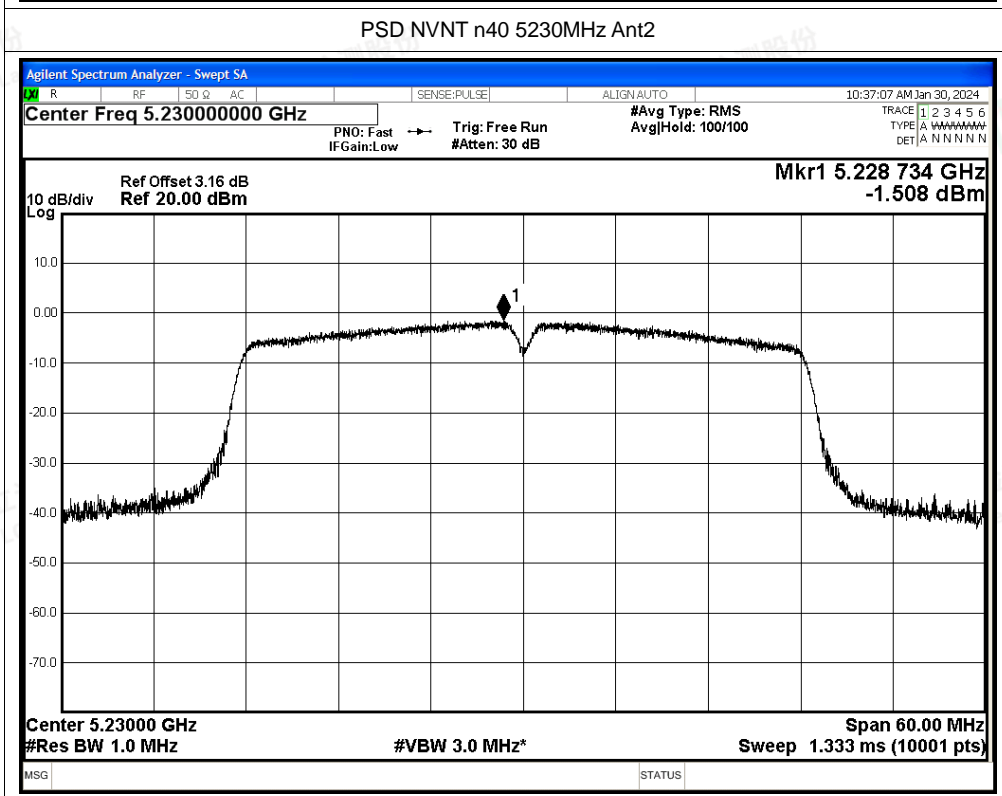
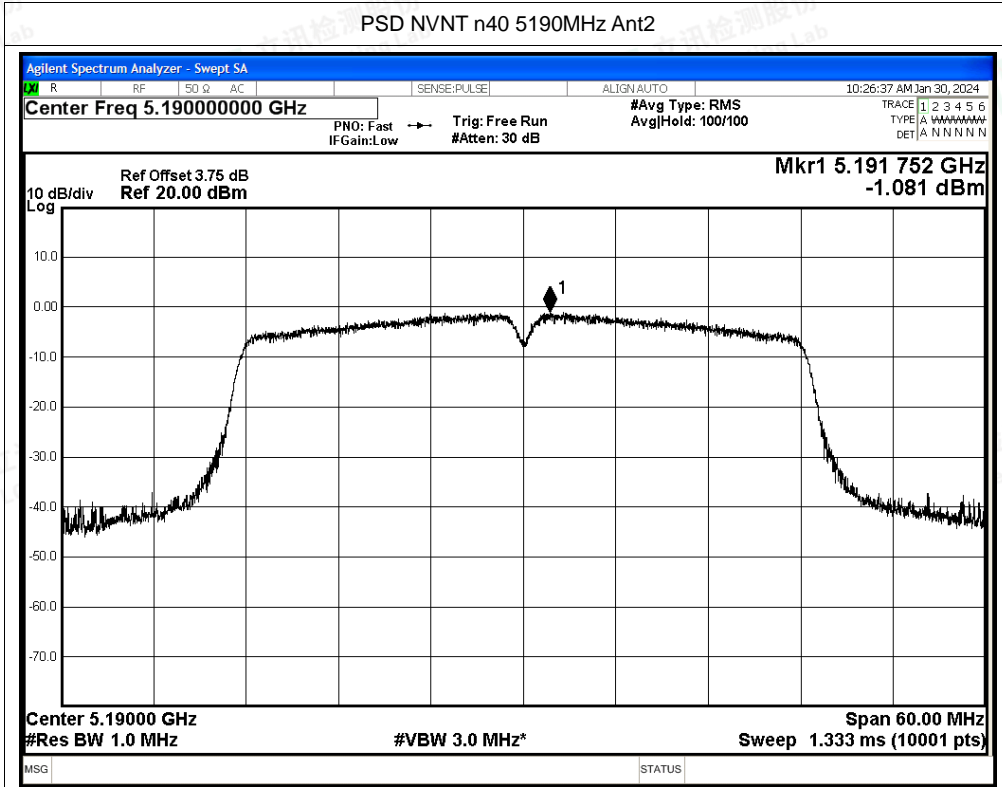
PSD NVNT a 5240MHz Ant2

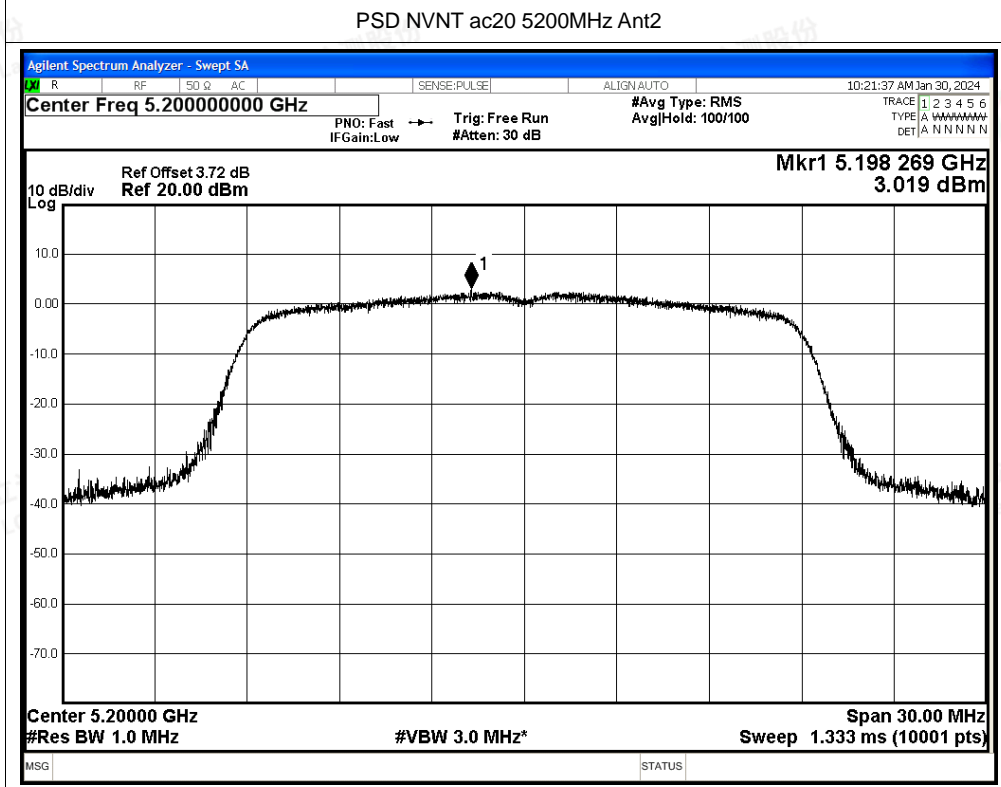
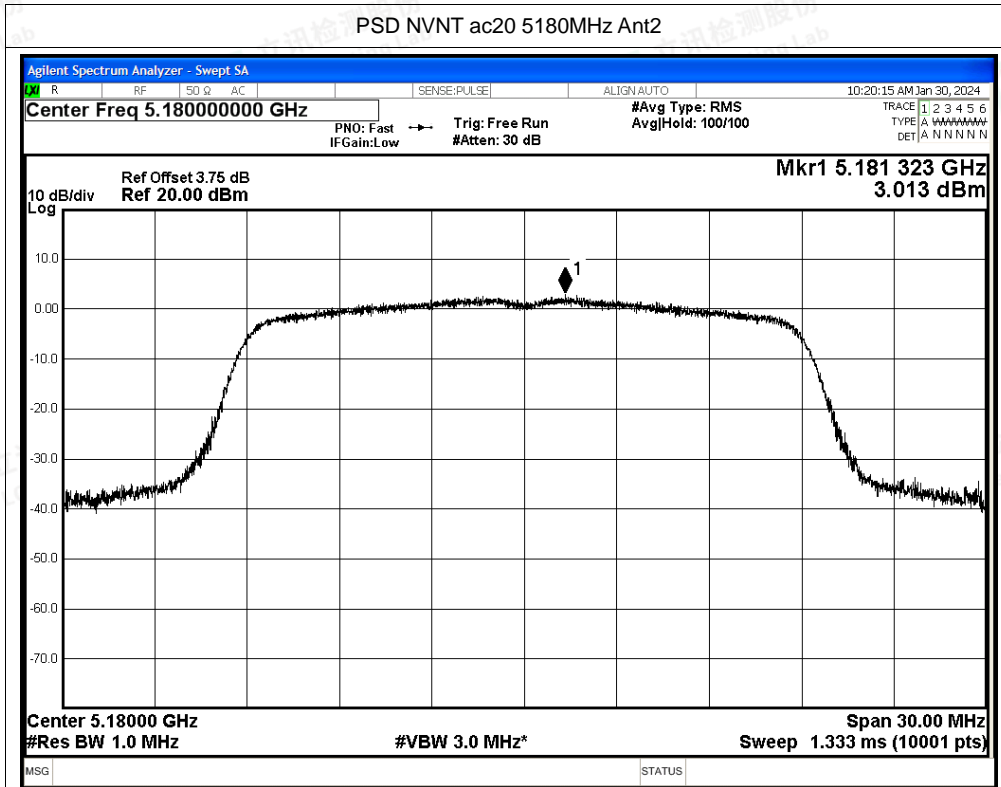


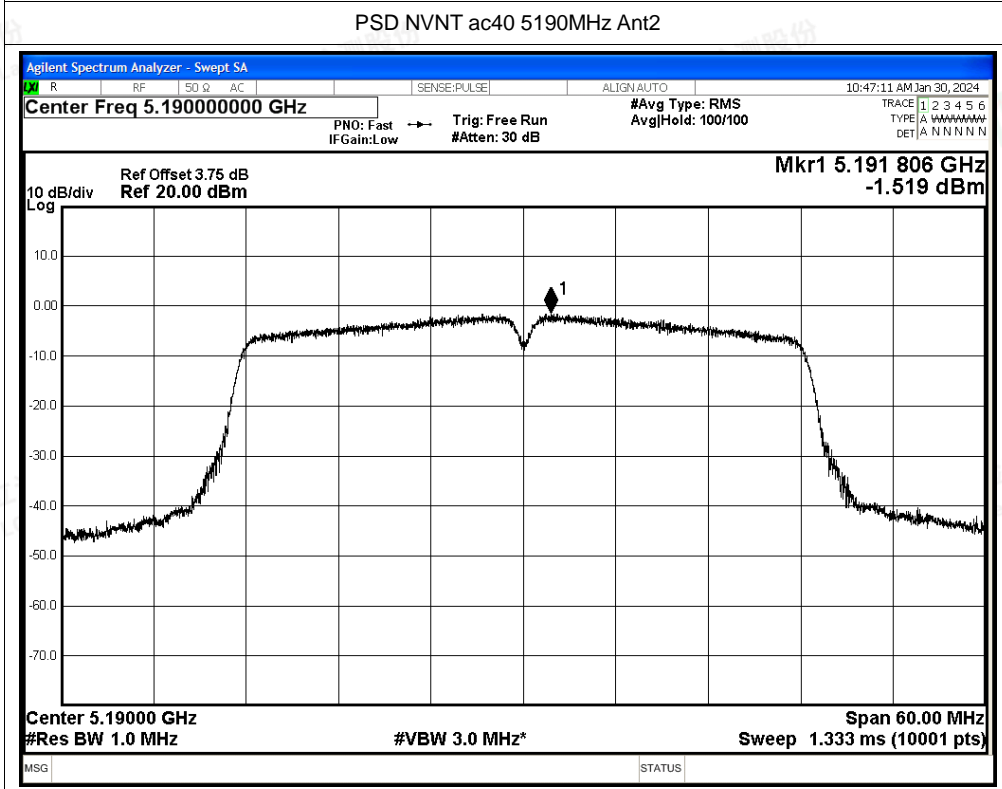
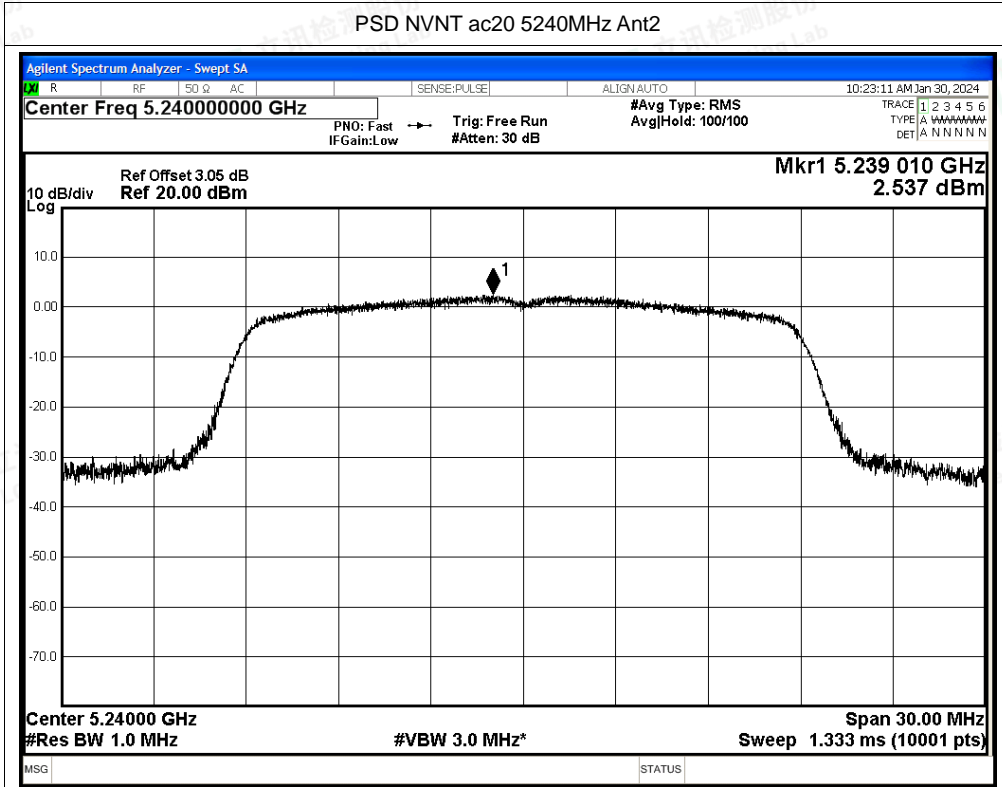
PSD NVNT n20 5180MHz Ant2

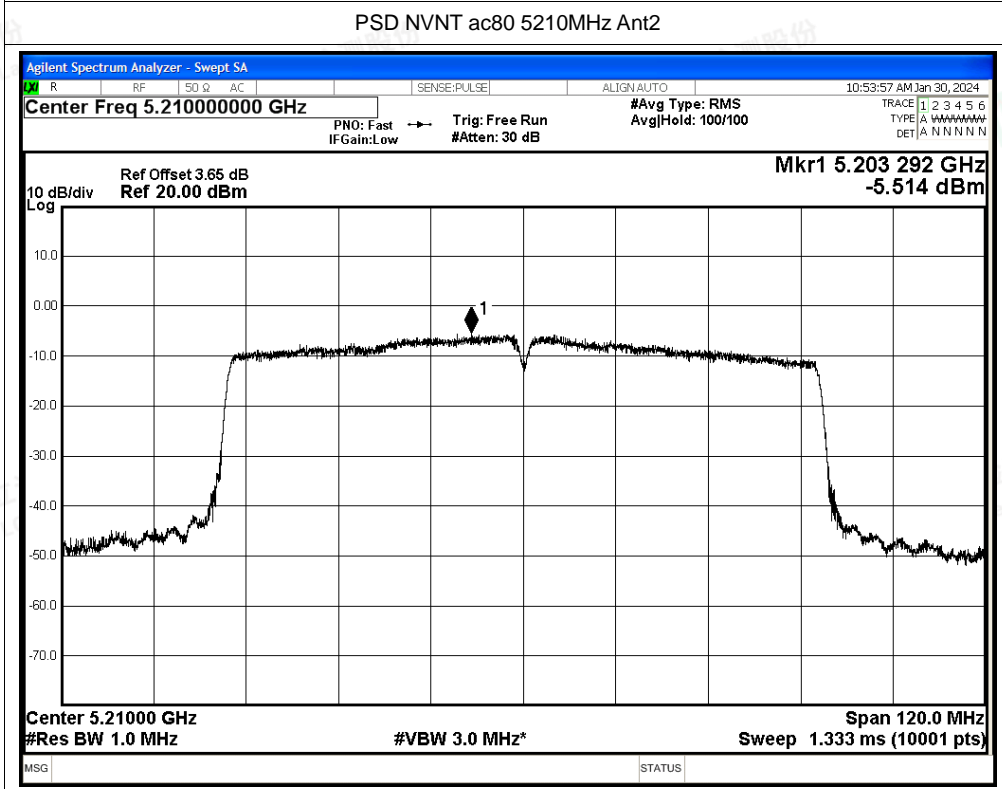
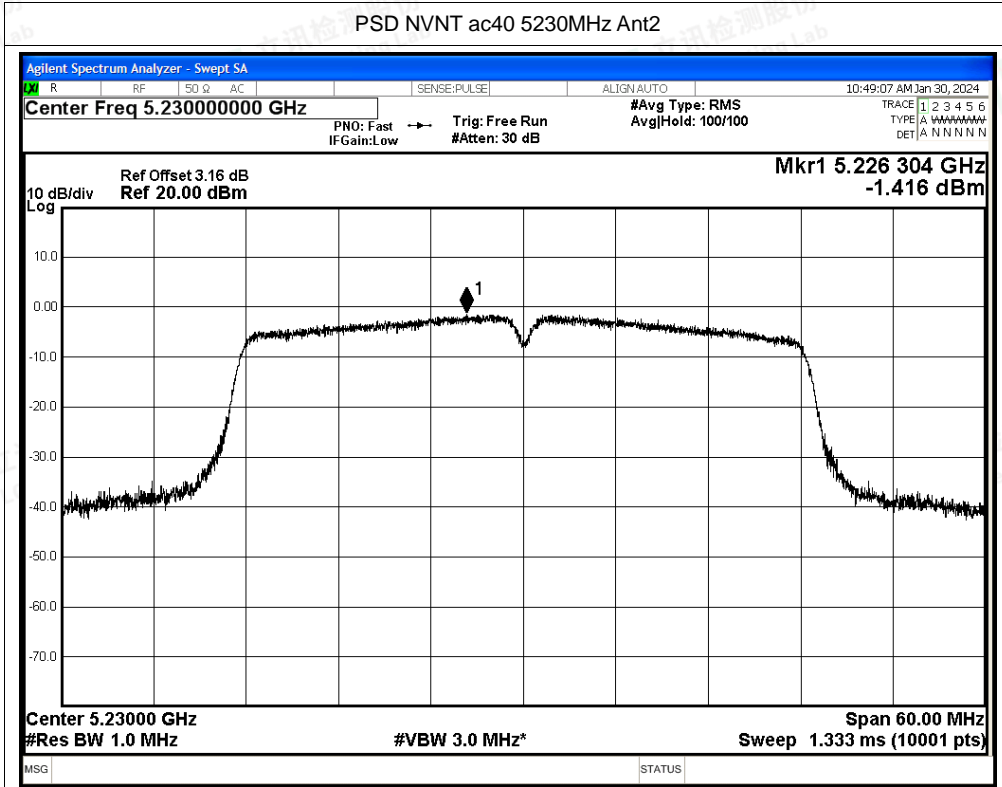














D.4 Restrict Band

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	-49.15	3.13	-	49.24	Peak	68.2	Pass
NVNT	a	5180	Ant1	4500	-58.16	3.13	0.13	40.23	Average	54	Pass
NVNT	a	5180	Ant1	5132.8	-44.63	3.13	-	53.76	Peak	68.2	Pass
NVNT	a	5180	Ant1	5141.9	-55.06	3.13	0.13	43.33	Average	54	Pass
NVNT	a	5180	Ant1	5150	-47.44	3.13	-	50.95	Peak	68.2	Pass
NVNT	a	5180	Ant1	5150	-55.32	3.13	0.13	43.07	Average	54	Pass
NVNT	a	5240	Ant1	5350	-48.84	3.13	-	49.55	Peak	68.2	Pass
NVNT	a	5240	Ant1	5350	-57.11	3.13	0.14	41.28	Average	54	Pass
NVNT	a	5240	Ant1	5384.88	-46.73	3.13	-	51.66	Peak	68.2	Pass
NVNT	a	5240	Ant1	5406	-56.42	3.13	0.14	41.97	Average	54	Pass
NVNT	a	5240	Ant1	5460	-50.22	3.13	-	48.17	Peak	68.2	Pass
NVNT	a	5240	Ant1	5460	-57.45	3.13	0.14	40.94	Average	54	Pass
NVNT	n20	5180	Ant1	4500	-49.6	3.13	-	48.79	Peak	68.2	Pass
NVNT	n20	5180	Ant1	4500	-58.08	3.13	0.15	40.31	Average	54	Pass
NVNT	n20	5180	Ant1	5075.4	-45.02	3.13	-	53.37	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5146.8	-54.99	3.13	0.15	43.40	Average	54	Pass
NVNT	n20	5180	Ant1	5150	-46.12	3.13	-	52.27	Peak	68.2	Pass
NVNT	n20	5180	Ant1	5150	-55.14	3.13	0.15	43.25	Average	54	Pass
NVNT	n20	5240	Ant1	5350	-49.33	3.13	-	49.06	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5350	-57.44	3.13	0.15	40.95	Average	54	Pass
NVNT	n20	5240	Ant1	5405.28	-46.96	3.13	-	51.43	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5354.64	-56.63	3.13	0.15	41.76	Average	54	Pass
NVNT	n20	5240	Ant1	5460	-50.04	3.13	-	48.35	Peak	68.2	Pass
NVNT	n20	5240	Ant1	5460	-58.04	3.13	0.15	40.35	Average	54	Pass
NVNT	n40	5190	Ant1	4500	-51.15	3.13	-	47.24	Peak	68.2	Pass
NVNT	n40	5190	Ant1	4500	-58.24	3.13	0.29	40.15	Average	54	Pass
NVNT	n40	5190	Ant1	5089.84	-44.86	3.13	-	53.53	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5148.24	-54.16	3.13	0.29	44.23	Average	54	Pass
NVNT	n40	5190	Ant1	5150	-45.99	3.13	-	52.40	Peak	68.2	Pass
NVNT	n40	5190	Ant1	5150	-54.74	3.13	0.29	43.65	Average	54	Pass
NVNT	n40	5230	Ant1	5350	-49.7	3.13	-	48.69	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5350	-57.53	3.13	0.29	40.86	Average	54	Pass
NVNT	n40	5230	Ant1	5380.35	-47.1	3.13	-	51.29	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5375.76	-56.67	3.13	0.29	41.72	Average	54	Pass
NVNT	n40	5230	Ant1	5460	-49.19	3.13	-	49.20	Peak	68.2	Pass
NVNT	n40	5230	Ant1	5460	-57.88	3.13	0.29	40.51	Average	54	Pass





NVNT	ac20	5180	Ant1	4500	-50.71	3.13	-	47.68	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	4500	-58.36	3.13	0.14	40.03	Average	54	Pass
NVNT	ac20	5180	Ant1	5144	-45.67	3.13	-	52.72	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5141.9	-55.28	3.13	0.14	43.11	Average	54	Pass
NVNT	ac20	5180	Ant1	5150	-48.11	3.13	-	50.28	Peak	68.2	Pass
NVNT	ac20	5180	Ant1	5150	-55.48	3.13	0.14	42.91	Average	54	Pass
NVNT	ac20	5240	Ant1	5350	-47.8	3.13	-	50.59	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5350	-57.55	3.13	0.14	40.84	Average	54	Pass
NVNT	ac20	5240	Ant1	5374.08	-46.59	3.13	-	51.80	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5360.4	-56.9	3.13	0.14	41.49	Average	54	Pass
NVNT	ac20	5240	Ant1	5460	-49.86	3.13	-	48.53	Peak	68.2	Pass
NVNT	ac20	5240	Ant1	5460	-57.72	3.13	0.14	40.67	Average	54	Pass
NVNT	ac40	5190	Ant1	4500	-50	3.13	-	48.39	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	4500	-58.87	3.13	0.28	39.52	Average	54	Pass
NVNT	ac40	5190	Ant1	5148.24	-43.64	3.13	-	54.75	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5149.7	-53.15	3.13	0.28	45.24	Average	54	Pass
NVNT	ac40	5190	Ant1	5150	-44.22	3.13	-	54.17	Peak	68.2	Pass
NVNT	ac40	5190	Ant1	5150	-53.15	3.13	0.28	45.24	Average	54	Pass
NVNT	ac40	5230	Ant1	5350	-49.88	3.13	-	48.51	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350	-57.75	3.13	0.28	40.64	Average	54	Pass
NVNT	ac40	5230	Ant1	5360.91	-46.39	3.13	-	52.00	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5350.65	-56.74	3.13	0.28	41.65	Average	54	Pass
NVNT	ac40	5230	Ant1	5460	-49.02	3.13	-	49.37	Peak	68.2	Pass
NVNT	ac40	5230	Ant1	5460	-58.2	3.13	0.28	40.19	Average	54	Pass
NVNT	ac80	5210	Ant1	5350	-49.13	3.13	-	49.26	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5350	-57.36	3.13	0.55	41.03	Average	54	Pass
NVNT	ac80	5210	Ant1	5384.43	-46.35	3.13	-	52.04	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5364.96	-56.62	3.13	0.55	41.77	Average	54	Pass
NVNT	ac80	5210	Ant1	5460	-50.1	3.13	-	48.29	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5460	-57.75	3.13	0.55	40.64	Average	54	Pass
NVNT	ac80	5210	Ant1	4500	-49.38	3.13	-	49.01	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	4500	-58.38	3.13	0.55	40.01	Average	54	Pass
NVNT	ac80	5210	Ant1	5145.43	-39.86	3.13	-	58.53	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5149.38	-51.52	3.13	0.55	46.87	Average	54	Pass
NVNT	ac80	5210	Ant1	5150	-43.59	3.13	-	54.80	Peak	68.2	Pass
NVNT	ac80	5210	Ant1	5150	-51.78	3.13	0.55	46.61	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	-50.28	3.13	-	48.11	Peak	68.2	Pass
NVNT	a	5180	Ant2	4500	-58	3.13	0.13	40.39	Average	54	Pass
NVNT	a	5180	Ant2	5085.9	-44.2	3.13	-	54.19	Peak	68.2	Pass
NVNT	a	5180	Ant2	5148.9	-55.04	3.13	0.13	43.35	Average	54	Pass
NVNT	a	5180	Ant2	5150	-47.44	3.13	-	50.95	Peak	68.2	Pass
NVNT	a	5180	Ant2	5150	-55.15	3.13	0.13	43.24	Average	54	Pass
NVNT	a	5240	Ant2	5350	-50.56	3.13	-	47.83	Peak	68.2	Pass
NVNT	a	5240	Ant2	5350	-56.91	3.13	0.13	41.48	Average	54	Pass
NVNT	a	5240	Ant2	5413.68	-46.18	3.13	-	52.21	Peak	68.2	Pass
NVNT	a	5240	Ant2	5355.12	-56.46	3.13	0.13	41.93	Average	54	Pass
NVNT	a	5240	Ant2	5460	-48.93	3.13	-	49.46	Peak	68.2	Pass
NVNT	a	5240	Ant2	5460	-57.98	3.13	0.13	40.41	Average	54	Pass
NVNT	n20	5180	Ant2	4500	-50.62	3.13	-	47.77	Peak	68.2	Pass
NVNT	n20	5180	Ant2	4500	-58.03	3.13	0.15	40.36	Average	54	Pass
NVNT	n20	5180	Ant2	5118.1	-45.12	3.13	-	53.27	Peak	68.2	Pass
NVNT	n20	5180	Ant2	5148.9	-54.77	3.13	0.15	43.62	Average	54	Pass
NVNT	n20	5180	Ant2	5150	-46.95	3.13	-	51.44	Peak	68.2	Pass
NVNT	n20	5180	Ant2	5150	-54.84	3.13	0.15	43.55	Average	54	Pass
NVNT	n20	5240	Ant2	5350	-48.17	3.13	-	50.22	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5350	-57.17	3.13	0.15	41.22	Average	54	Pass
NVNT	n20	5240	Ant2	5368.56	-46.01	3.13	-	52.38	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5380.08	-56.54	3.13	0.15	41.85	Average	54	Pass
NVNT	n20	5240	Ant2	5460	-48.2	3.13	-	50.19	Peak	68.2	Pass
NVNT	n20	5240	Ant2	5460	-58.14	3.13	0.15	40.25	Average	54	Pass
NVNT	n40	5190	Ant2	4500	-50	3.13	-	48.39	Peak	68.2	Pass
NVNT	n40	5190	Ant2	4500	-58.32	3.13	0.29	40.07	Average	54	Pass
NVNT	n40	5190	Ant2	5149.7	-45.13	3.13	-	53.26	Peak	68.2	Pass
NVNT	n40	5190	Ant2	5149.7	-53.87	3.13	0.29	44.52	Average	54	Pass
NVNT	n40	5190	Ant2	5150	-45.13	3.13	-	53.26	Peak	68.2	Pass
NVNT	n40	5190	Ant2	5150	-53.87	3.13	0.29	44.52	Average	54	Pass
NVNT	n40	5230	Ant2	5350	-49.86	3.13	-	48.53	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5350	-57.38	3.13	0.29	41.01	Average	54	Pass
NVNT	n40	5230	Ant2	5390.07	-46.58	3.13	-	51.81	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5370.9	-56.86	3.13	0.29	41.53	Average	54	Pass
NVNT	n40	5230	Ant2	5460	-48.43	3.13	-	49.96	Peak	68.2	Pass
NVNT	n40	5230	Ant2	5460	-57.64	3.13	0.29	40.75	Average	54	Pass
NVNT	ac20	5180	Ant2	4500	-48.71	3.13	-	49.68	Peak	68.2	Pass
NVNT	ac20	5180	Ant2	4500	-58.56	3.13	0.15	39.83	Average	54	Pass





NVNT	ac20	5180	Ant2	5125.1	-44.71	3.13	-	53.68	Peak	68.2	Pass
NVNT	ac20	5180	Ant2	5149.6	-55.12	3.13	0.15	43.27	Average	54	Pass
NVNT	ac20	5180	Ant2	5150	-48.03	3.13	-	50.36	Peak	68.2	Pass
NVNT	ac20	5180	Ant2	5150	-55.53	3.13	0.15	42.86	Average	54	Pass
NVNT	ac20	5240	Ant2	5350	-49.2	3.13	-	49.19	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5350	-57.62	3.13	0.14	40.77	Average	54	Pass
NVNT	ac20	5240	Ant2	5419.44	-46.7	3.13	-	51.69	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5354.64	-56.82	3.13	0.14	41.57	Average	54	Pass
NVNT	ac20	5240	Ant2	5460	-49.6	3.13	-	48.79	Peak	68.2	Pass
NVNT	ac20	5240	Ant2	5460	-57.79	3.13	0.14	40.60	Average	54	Pass
NVNT	ac40	5190	Ant2	4500	-49.09	3.13	-	49.30	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	4500	-58.24	3.13	0.28	40.15	Average	54	Pass
NVNT	ac40	5190	Ant2	5149.7	-45.61	3.13	-	52.78	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	5149.7	-54.14	3.13	0.28	44.25	Average	54	Pass
NVNT	ac40	5190	Ant2	5150	-45.61	3.13	-	52.78	Peak	68.2	Pass
NVNT	ac40	5190	Ant2	5150	-54.14	3.13	0.28	44.25	Average	54	Pass
NVNT	ac40	5230	Ant2	5350	-47.32	3.13	-	51.07	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5350	-57.39	3.13	0.28	41.00	Average	54	Pass
NVNT	ac40	5230	Ant2	5350.38	-46.59	3.13	-	51.80	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5384.4	-56.71	3.13	0.28	41.68	Average	54	Pass
NVNT	ac40	5230	Ant2	5460	-49.89	3.13	-	48.50	Peak	68.2	Pass
NVNT	ac40	5230	Ant2	5460	-57.87	3.13	0.28	40.52	Average	54	Pass
NVNT	ac80	5210	Ant2	5350	-48.78	3.13	-	49.61	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	5350	-57.39	3.13	0.55	41.00	Average	54	Pass
NVNT	ac80	5210	Ant2	5376.84	-46.94	3.13	-	51.45	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	5363.97	-56.79	3.13	0.55	41.60	Average	54	Pass
NVNT	ac80	5210	Ant2	5460	-48.68	3.13	-	49.71	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	5460	-57.71	3.13	0.55	40.68	Average	54	Pass
NVNT	ac80	5210	Ant2	4500	-50.68	3.13	-	47.71	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	4500	-58.87	3.13	0.55	39.52	Average	54	Pass
NVNT	ac80	5210	Ant2	5138.32	-43.65	3.13	-	54.74	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	5149.38	-52.79	3.13	0.55	45.60	Average	54	Pass
NVNT	ac80	5210	Ant2	5150	-43.95	3.13	-	54.44	Peak	68.2	Pass
NVNT	ac80	5210	Ant2	5150	-52.78	3.13	0.55	45.61	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	-49.6	-50.62	6.14	54.33	Peak	68.2	Pass
NVNT	n20	5180	-58.08	-58.03	6.14	46.35	Average	54	Pass
NVNT	n20	5180	-45.02	-45.12	6.14	59.34	Peak	68.2	Pass
NVNT	n20	5180	-54.99	-54.77	6.14	49.53	Average	54	Pass
NVNT	n20	5180	-46.12	-46.95	6.14	57.89	Peak	68.2	Pass
NVNT	n20	5180	-55.14	-54.84	6.14	49.42	Average	54	Pass
NVNT	n20	5240	-49.33	-48.17	6.14	55.70	Peak	68.2	Pass
NVNT	n20	5240	-57.44	-57.17	6.14	47.10	Average	54	Pass
NVNT	n20	5240	-46.96	-46.01	6.14	57.95	Peak	68.2	Pass
NVNT	n20	5240	-56.63	-56.54	6.14	47.82	Average	54	Pass
NVNT	n20	5240	-50.04	-48.2	6.14	55.38	Peak	68.2	Pass
NVNT	n20	5240	-58.04	-58.14	6.14	46.32	Average	54	Pass
NVNT	n40	5190	-51.15	-50	6.14	53.87	Peak	68.2	Pass
NVNT	n40	5190	-58.24	-58.32	6.14	46.13	Average	54	Pass
NVNT	n40	5190	-44.86	-45.13	6.14	59.41	Peak	68.2	Pass
NVNT	n40	5190	-54.16	-53.87	6.14	50.40	Average	54	Pass
NVNT	n40	5190	-45.99	-45.13	6.14	58.87	Peak	68.2	Pass
NVNT	n40	5190	-54.74	-53.87	6.14	50.12	Average	54	Pass
NVNT	n40	5230	-49.7	-49.86	6.14	54.63	Peak	68.2	Pass
NVNT	n40	5230	-57.53	-57.38	6.14	46.95	Average	54	Pass
NVNT	n40	5230	-47.1	-46.58	6.14	57.58	Peak	68.2	Pass
NVNT	n40	5230	-56.67	-56.86	6.14	47.64	Average	54	Pass
NVNT	n40	5230	-49.19	-48.43	6.14	55.61	Peak	68.2	Pass
NVNT	n40	5230	-57.88	-57.64	6.14	46.65	Average	54	Pass
NVNT	ac20	5180	-50.71	-48.71	6.14	54.81	Peak	68.2	Pass
NVNT	ac20	5180	-58.36	-58.56	6.14	45.95	Average	54	Pass
NVNT	ac20	5180	-45.67	-44.71	6.14	59.24	Peak	68.2	Pass
NVNT	ac20	5180	-55.28	-55.12	6.14	49.21	Average	54	Pass
NVNT	ac20	5180	-48.11	-48.03	6.14	56.34	Peak	68.2	Pass
NVNT	ac20	5180	-55.48	-55.53	6.14	48.90	Average	54	Pass
NVNT	ac20	5240	-47.8	-49.2	6.14	55.96	Peak	68.2	Pass
NVNT	ac20	5240	-57.55	-57.62	6.14	46.82	Average	54	Pass
NVNT	ac20	5240	-46.59	-46.7	6.14	57.76	Peak	68.2	Pass
NVNT	ac20	5240	-56.9	-56.82	6.14	47.55	Average	54	Pass
NVNT	ac20	5240	-49.86	-49.6	6.14	54.68	Peak	68.2	Pass
NVNT	ac20	5240	-57.72	-57.79	6.14	46.65	Average	54	Pass



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



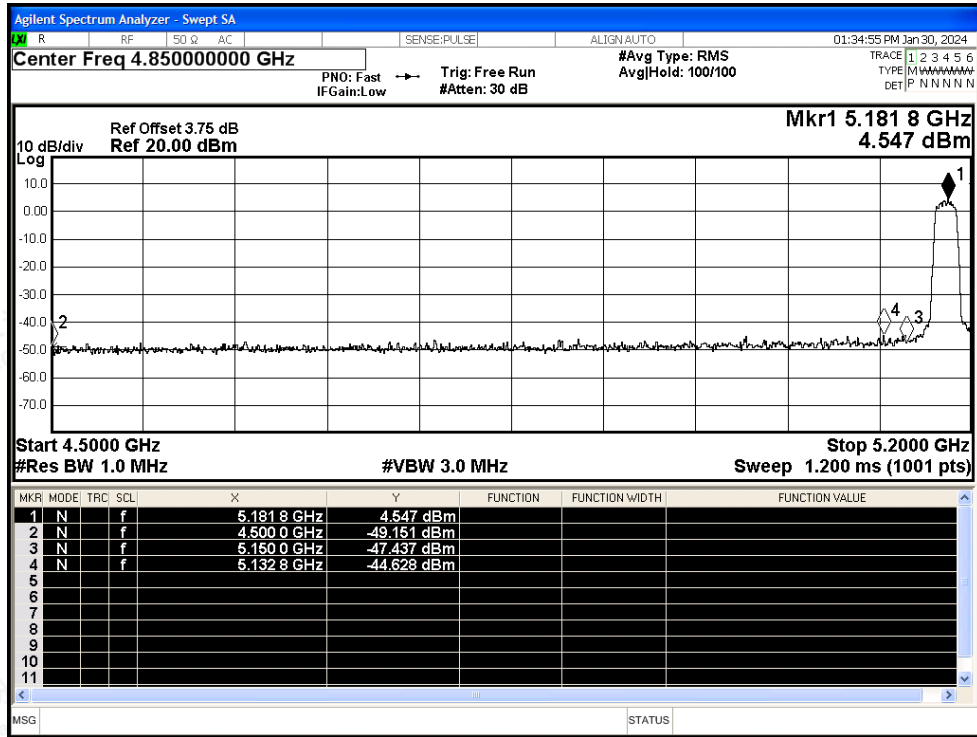
NVNT	ac40	5190	-50	-49.09	6.14	54.89	Peak	68.2	Pass
NVNT	ac40	5190	-58.87	-58.24	6.14	45.86	Average	54	Pass
NVNT	ac40	5190	-43.64	-45.61	6.14	59.89	Peak	68.2	Pass
NVNT	ac40	5190	-53.15	-54.14	6.14	50.79	Average	54	Pass
NVNT	ac40	5190	-44.22	-45.61	6.14	59.55	Peak	68.2	Pass
NVNT	ac40	5190	-53.15	-54.14	6.14	50.79	Average	54	Pass
NVNT	ac40	5230	-49.88	-47.32	6.14	55.99	Peak	68.2	Pass
NVNT	ac40	5230	-57.75	-57.39	6.14	46.84	Average	54	Pass
NVNT	ac40	5230	-46.39	-46.59	6.14	57.92	Peak	68.2	Pass
NVNT	ac40	5230	-56.74	-56.71	6.14	47.68	Average	54	Pass
NVNT	ac40	5230	-49.02	-49.89	6.14	54.97	Peak	68.2	Pass
NVNT	ac40	5230	-58.2	-57.87	6.14	46.38	Average	54	Pass
NVNT	ac80	5210	-49.13	-48.78	6.14	55.46	Peak	68.2	Pass
NVNT	ac80	5210	-57.36	-57.39	6.14	47.03	Average	54	Pass
NVNT	ac80	5210	-46.35	-46.94	6.14	57.77	Peak	68.2	Pass
NVNT	ac80	5210	-56.62	-56.79	6.14	47.70	Average	54	Pass
NVNT	ac80	5210	-50.1	-48.68	6.14	55.08	Peak	68.2	Pass
NVNT	ac80	5210	-57.75	-57.71	6.14	46.68	Average	54	Pass
NVNT	ac80	5210	-49.38	-50.68	6.14	54.43	Peak	68.2	Pass
NVNT	ac80	5210	-58.38	-58.87	6.14	45.79	Average	54	Pass
NVNT	ac80	5210	-39.86	-43.65	6.14	63.05	Peak	68.2	Pass
NVNT	ac80	5210	-51.52	-52.79	6.14	52.30	Average	54	Pass
NVNT	ac80	5210	-43.59	-43.95	6.14	60.64	Peak	68.2	Pass
NVNT	ac80	5210	-51.78	-52.78	6.14	52.16	Average	54	Pass



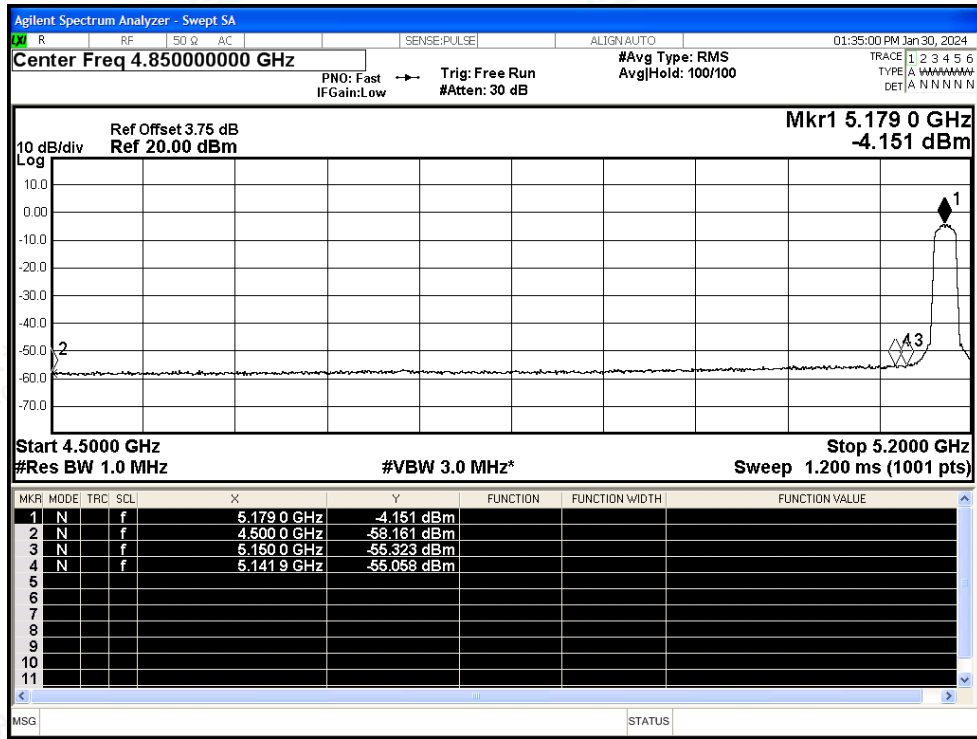


Test Graphs

Restrict Band NVNT a 5180MHz Ant1 Peak

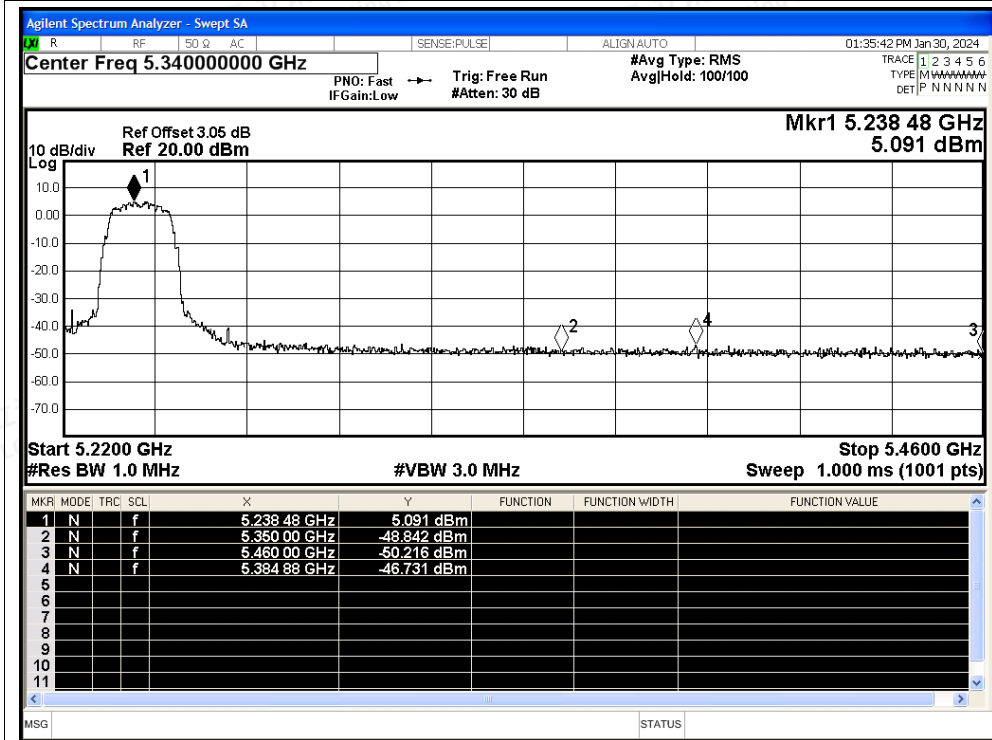


Restrict Band NVNT a 5180MHz Ant1 Average

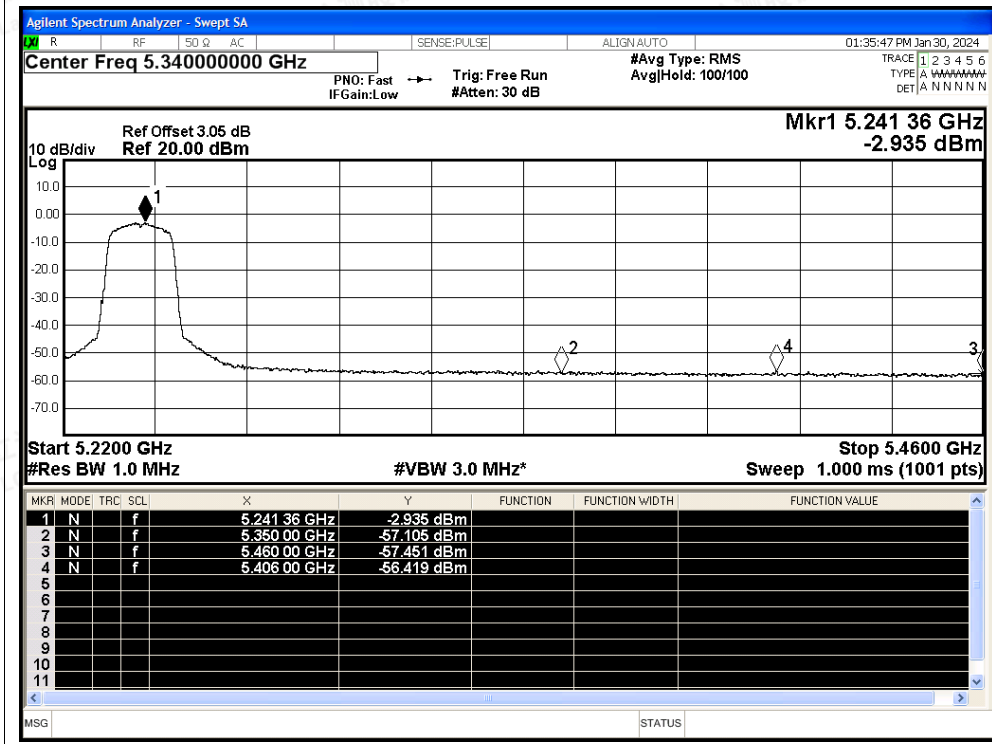




Restrict Band NVNT a 5240MHz Ant1 Peak

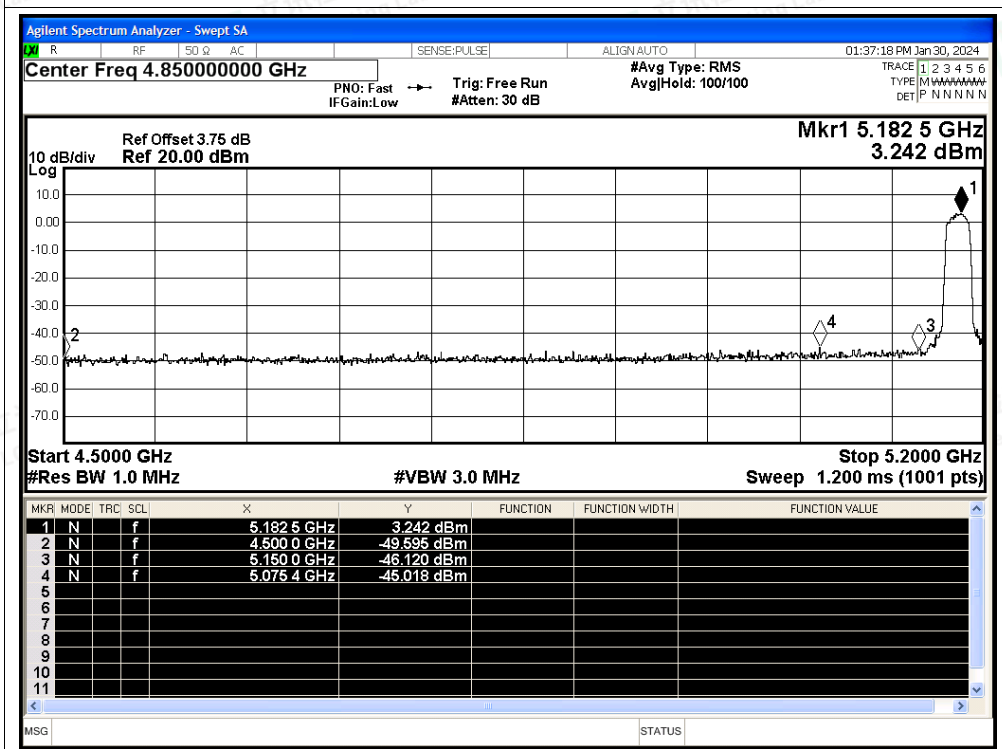


Restrict Band NVNT a 5240MHz Ant1 Average

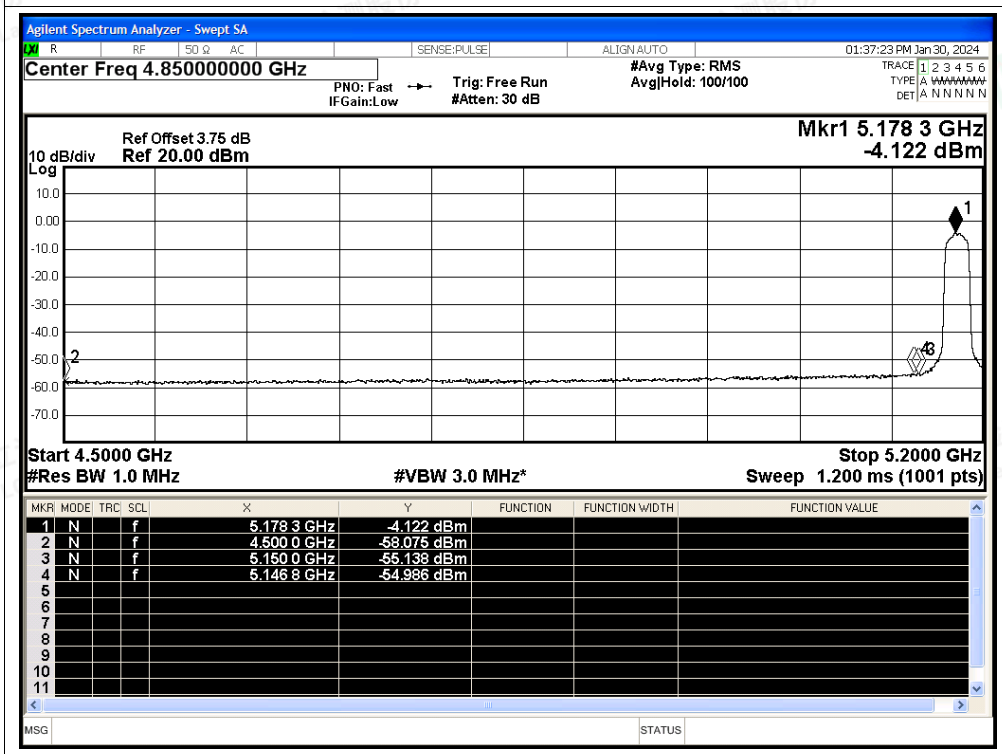




Restrict Band NVNT n20 5180MHz Ant1 Peak

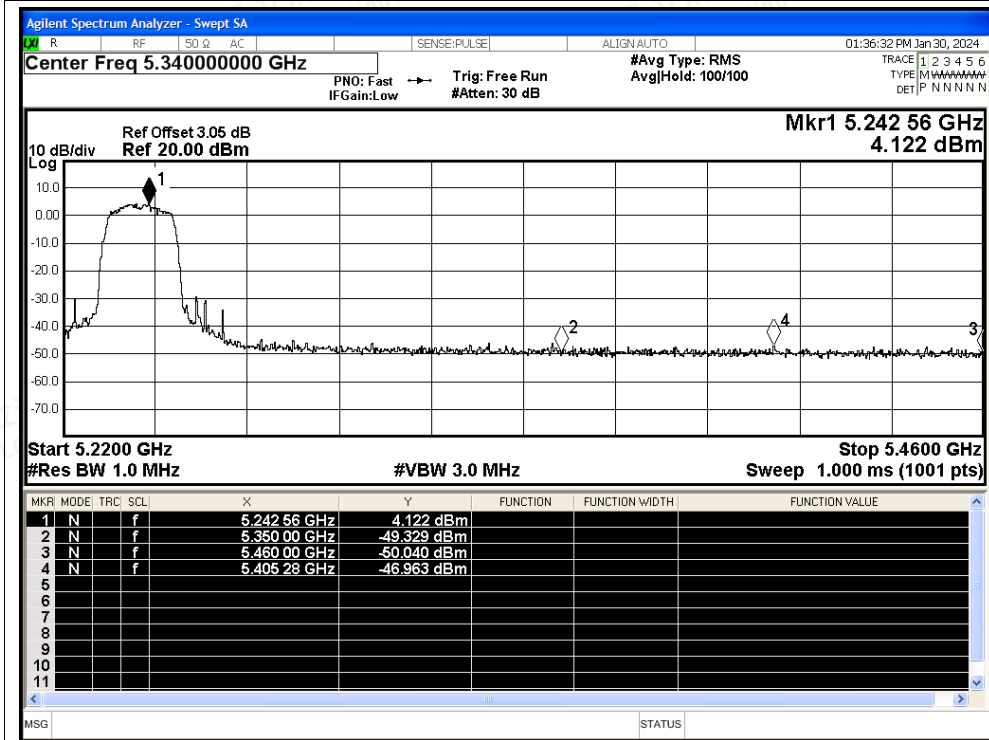


Restrict Band NVNT n20 5180MHz Ant1 Average

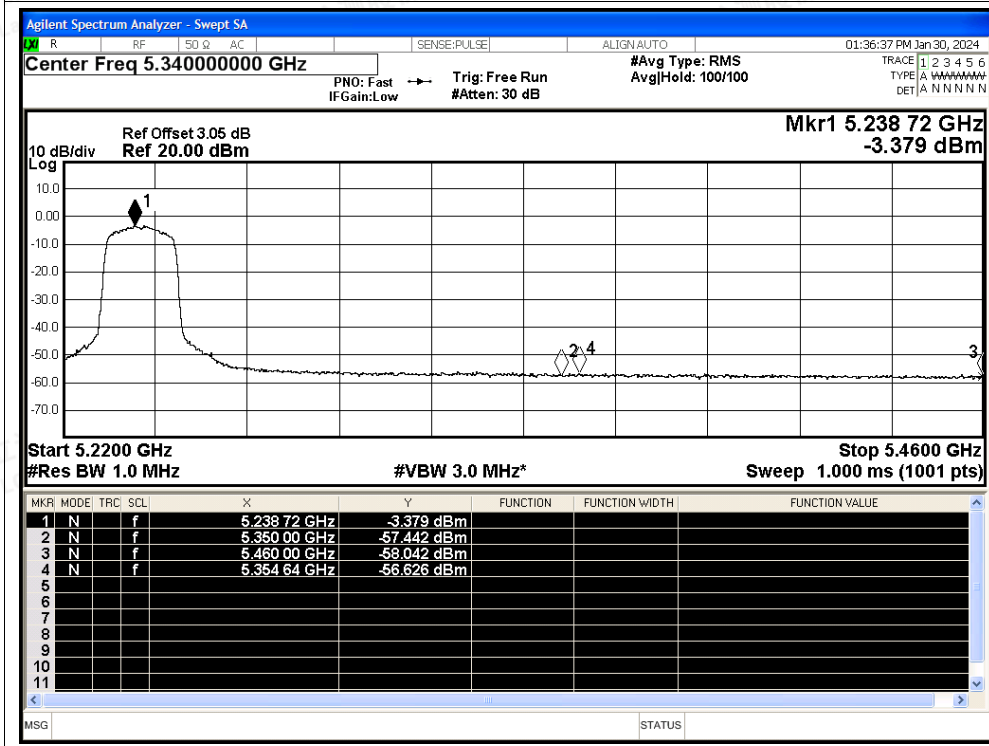




Restrict Band NVNT n20 5240MHz Ant1 Peak

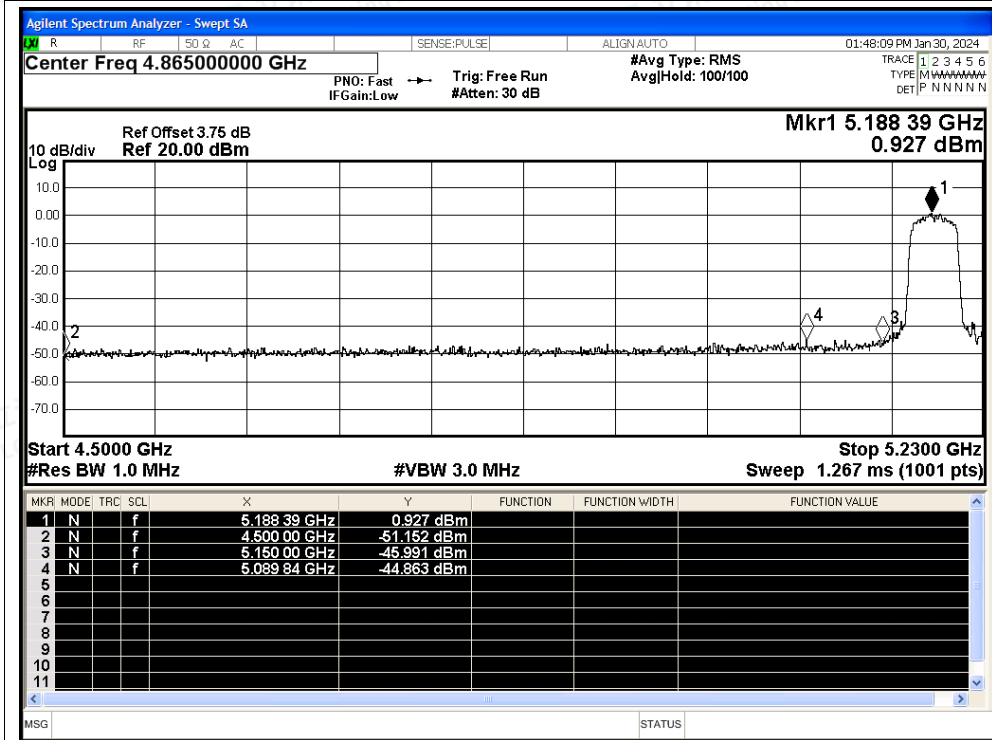


Restrict Band NVNT n20 5240MHz Ant1 Average

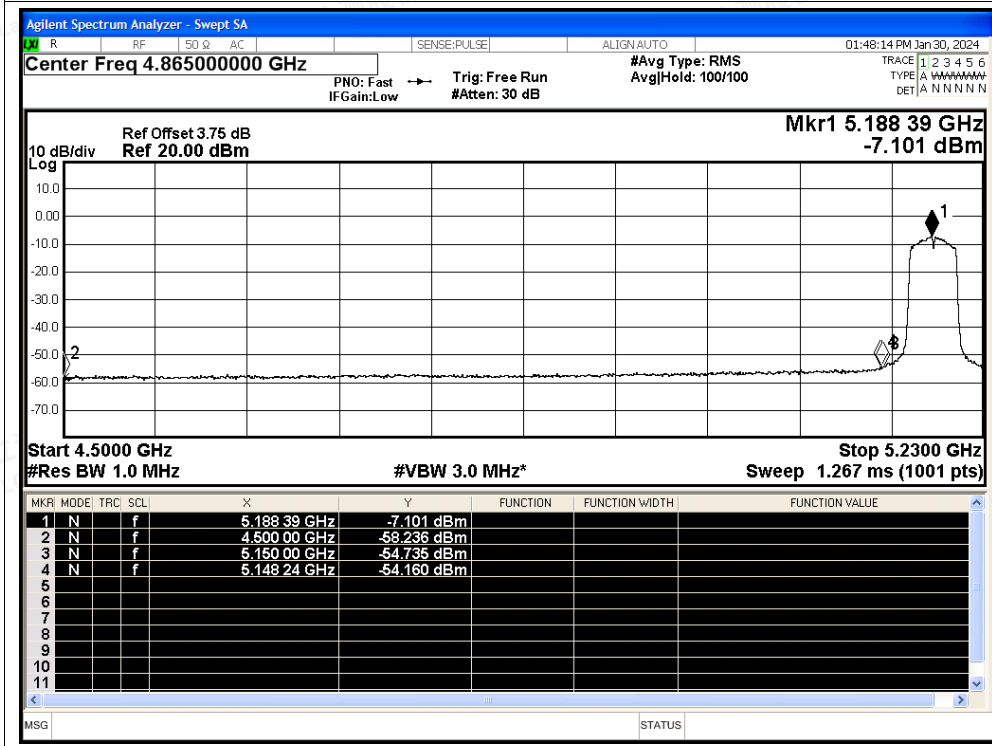




Restrict Band NVNT n40 5190MHz Ant1 Peak

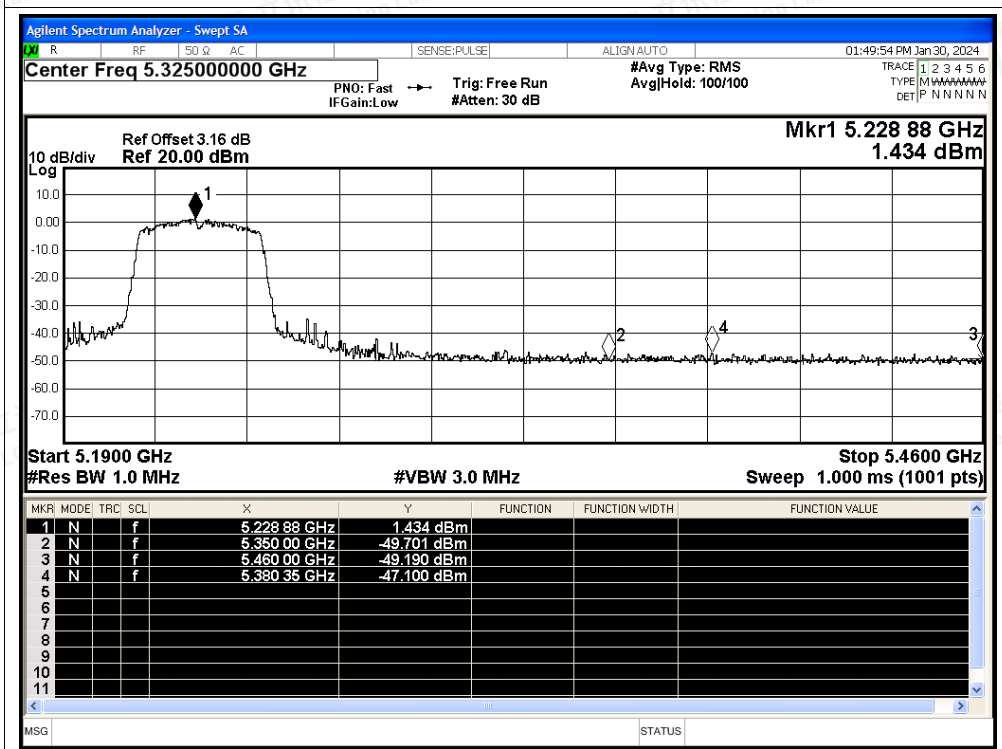


Restrict Band NVNT n40 5190MHz Ant1 Average

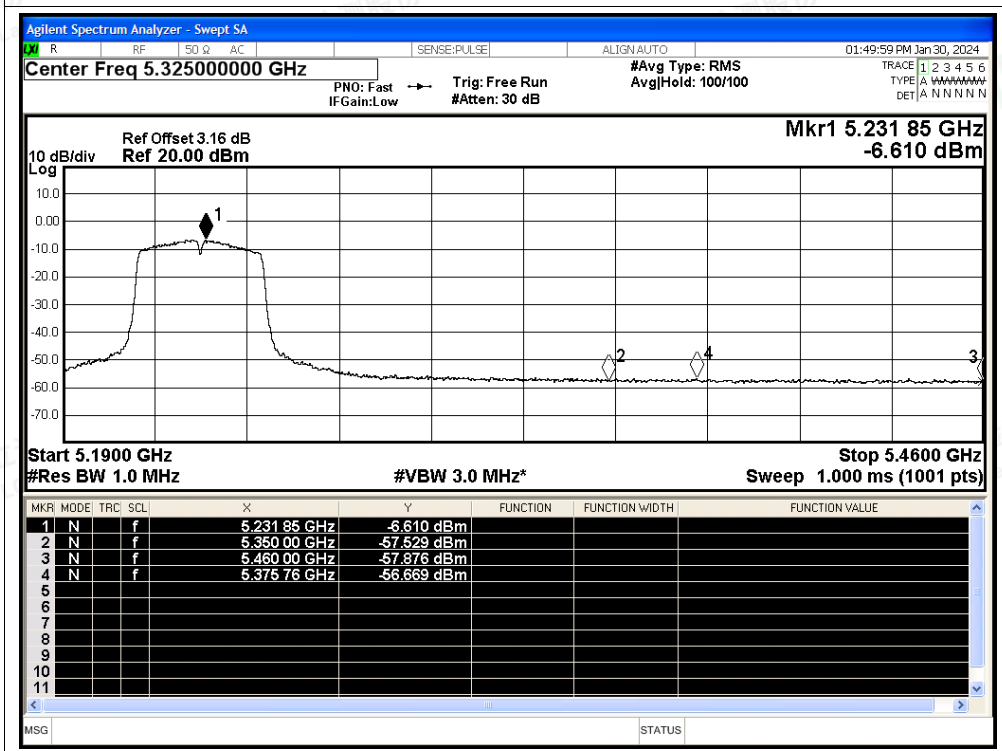




Restrict Band NVNT n40 5230MHz Ant1 Peak

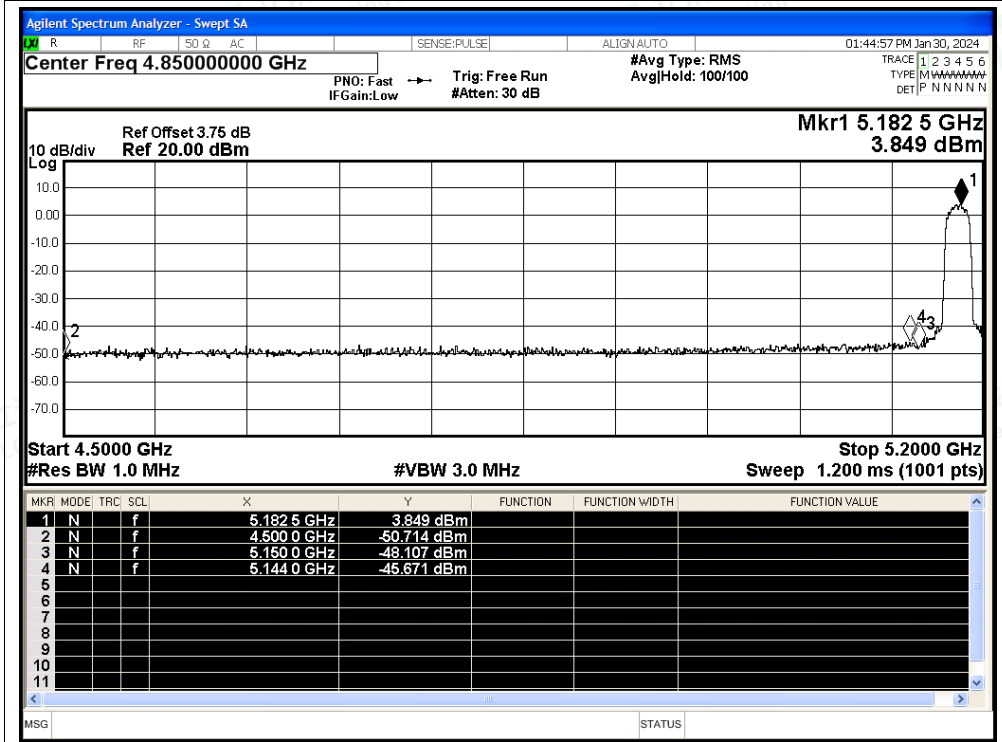


Restrict Band NVNT n40 5230MHz Ant1 Average

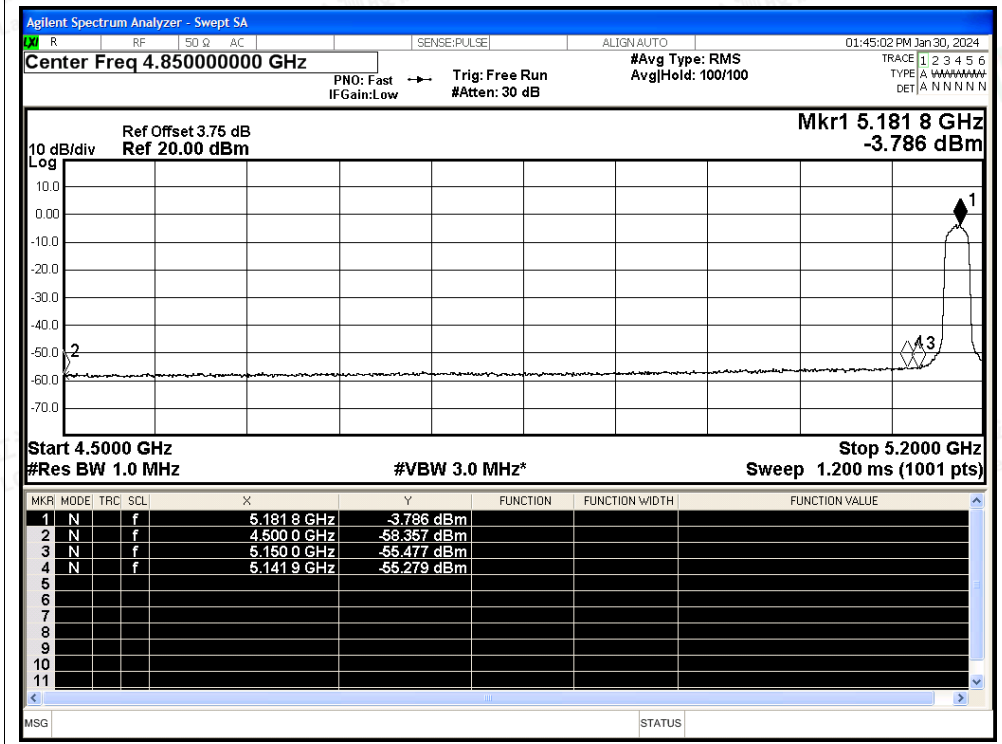




Restrict Band NVNT ac20 5180MHz Ant1 Peak

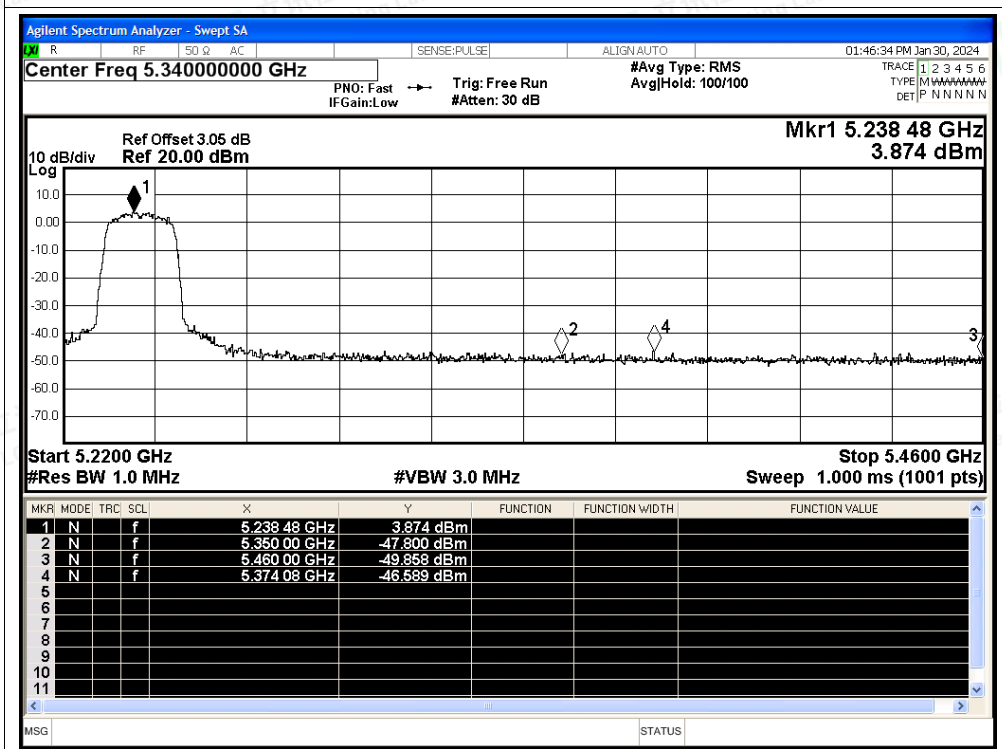


Restrict Band NVNT ac20 5180MHz Ant1 Average

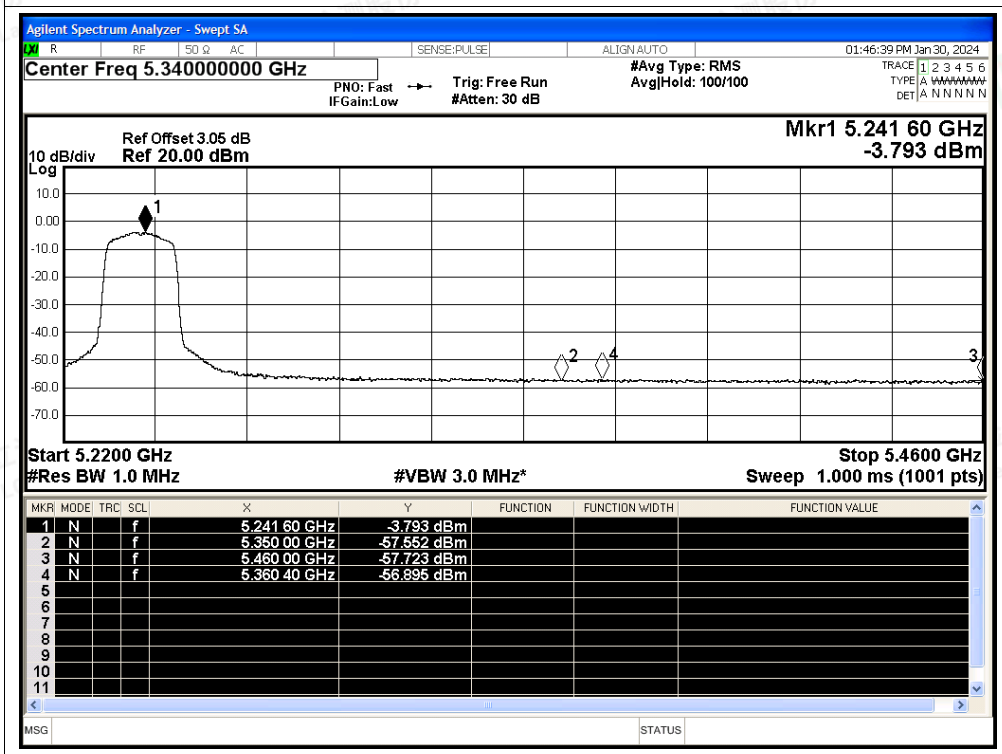




Restrict Band NVNT ac20 5240MHz Ant1 Peak

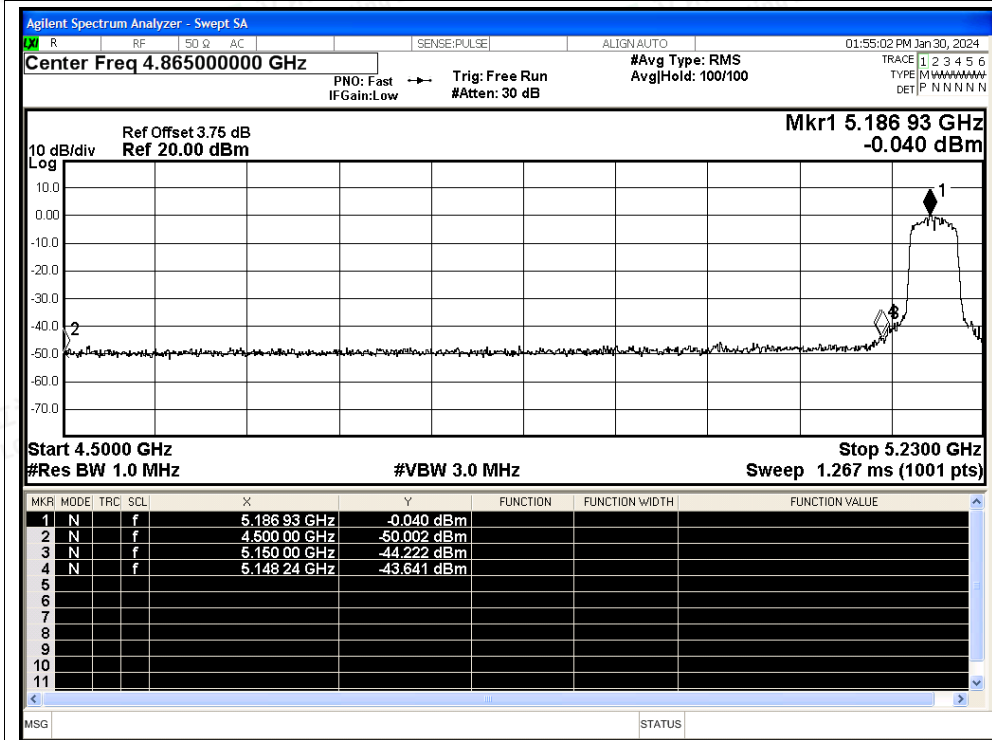


Restrict Band NVNT ac20 5240MHz Ant1 Average





Restrict Band NVNT ac40 5190MHz Ant1 Peak



Restrict Band NVNT ac40 5190MHz Ant1 Average

