



Appendix B

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: GPON Router

Test Model: SG1696D2VR (SG401C)

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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Scan code to check authenticity



B.1 -26dB Bandwidth

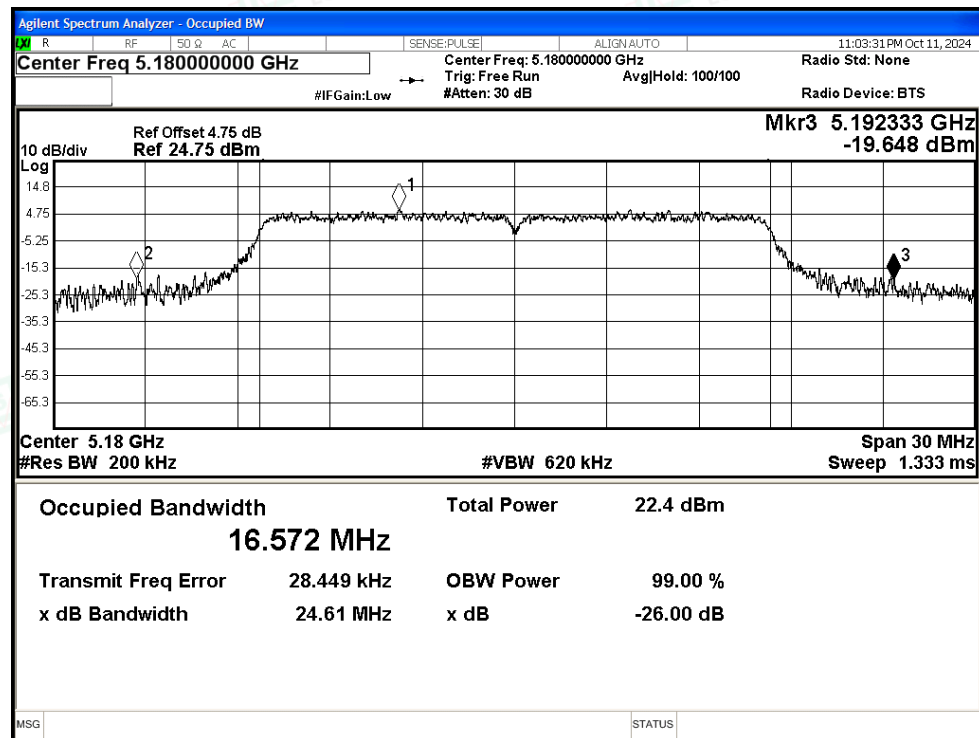
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant3	24.609	---	Pass
NVNT	a	5200	Ant3	23.575	---	Pass
NVNT	a	5240	Ant3	26.569	---	Pass
NVNT	n20	5180	Ant3	25.225	---	Pass
NVNT	n20	5200	Ant3	26.204	---	Pass
NVNT	n20	5240	Ant3	26.637	---	Pass
NVNT	n40	5190	Ant3	45.682	---	Pass
NVNT	n40	5230	Ant3	39.946	---	Pass
NVNT	ac20	5180	Ant3	28.212	---	Pass
NVNT	ac20	5200	Ant3	25.934	---	Pass
NVNT	ac20	5240	Ant3	27.966	---	Pass
NVNT	ac40	5190	Ant3	45.524	---	Pass
NVNT	ac40	5230	Ant3	41.525	---	Pass
NVNT	ac80	5210	Ant3	82.482	---	Pass
NVNT	ax20	5180	Ant3	27.083	---	Pass
NVNT	ax20	5200	Ant3	29.218	---	Pass
NVNT	ax20	5240	Ant3	29.821	---	Pass
NVNT	ax40	5190	Ant3	39.122	---	Pass
NVNT	ax40	5230	Ant3	45.495	---	Pass
NVNT	ax80	5210	Ant3	78.392	---	Pass



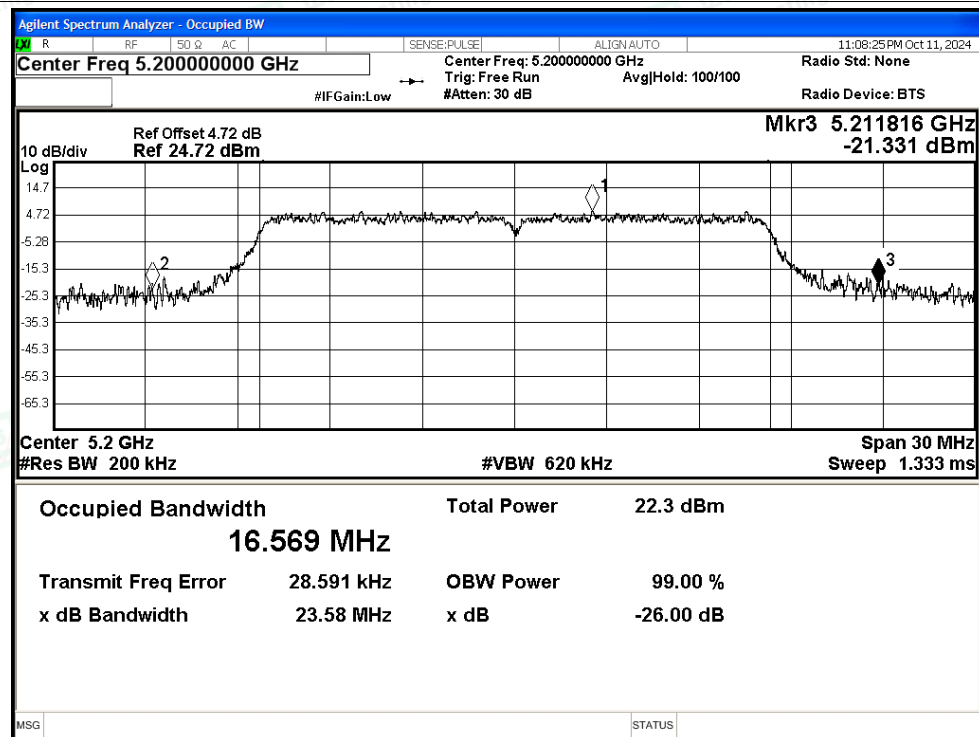


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant3

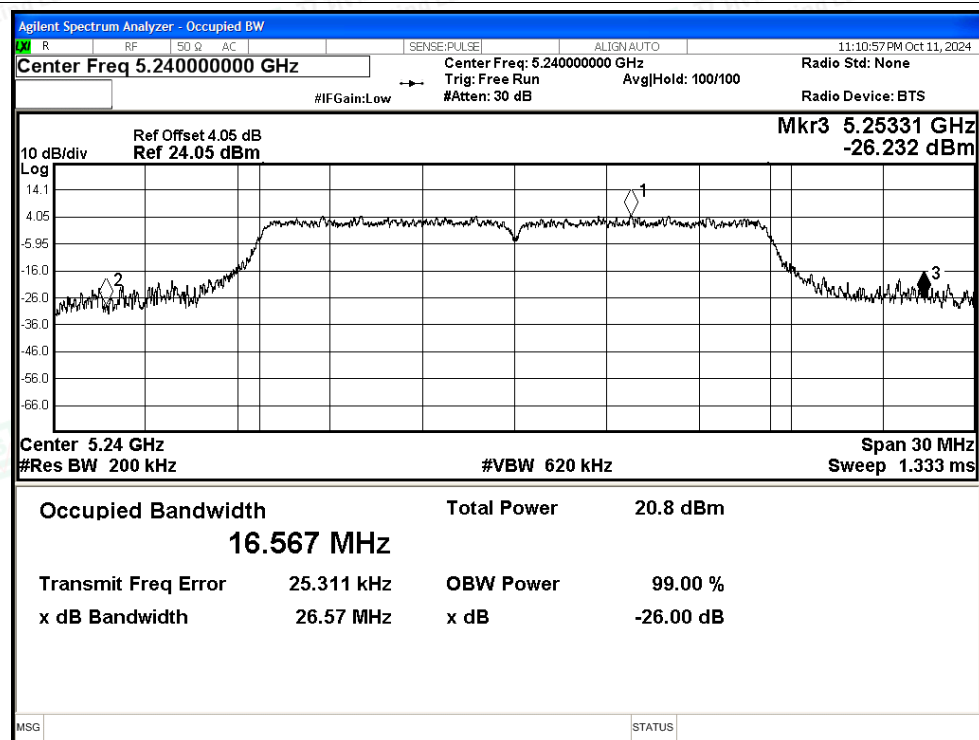


-26dB Bandwidth NVNT a 5200MHz Ant3

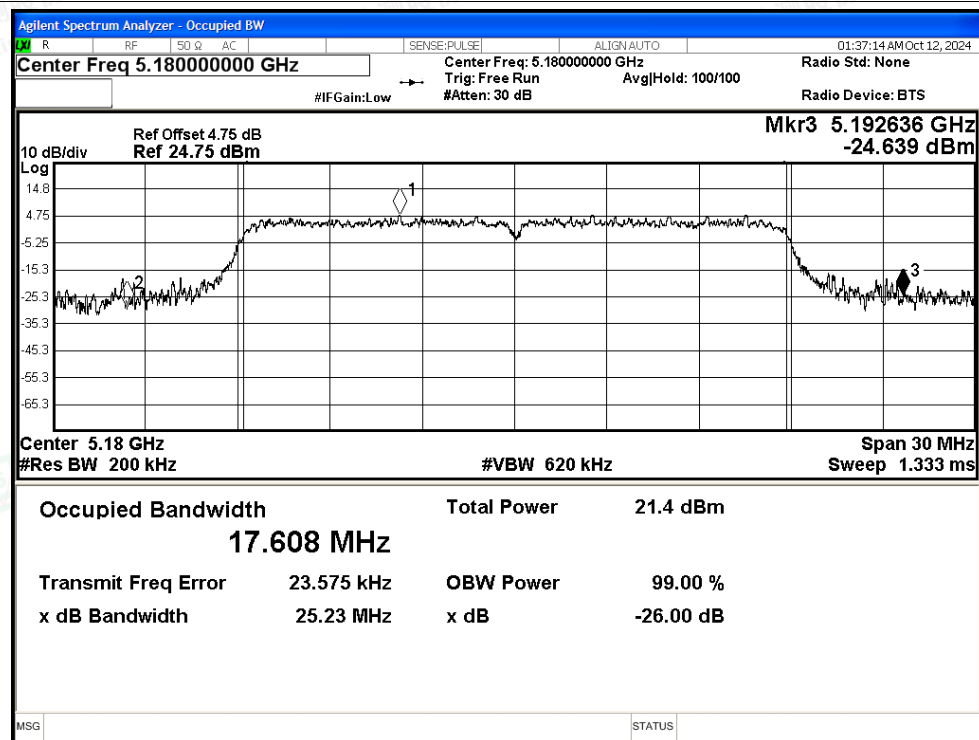




-26dB Bandwidth NVNT a 5240MHz Ant3

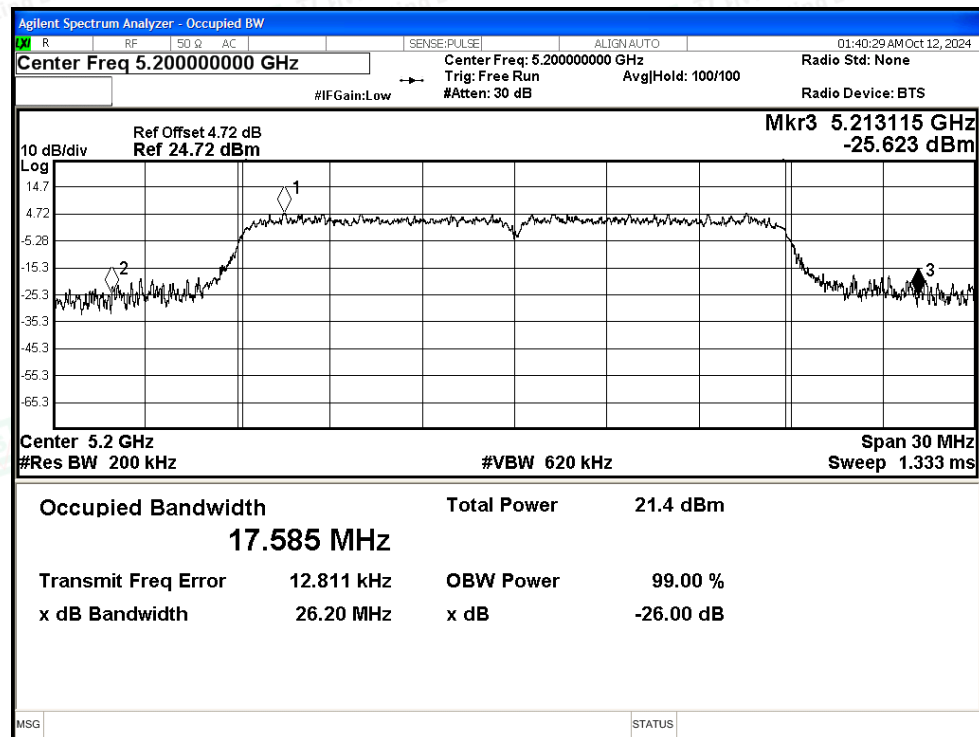


-26dB Bandwidth NVNT n20 5180MHz Ant3

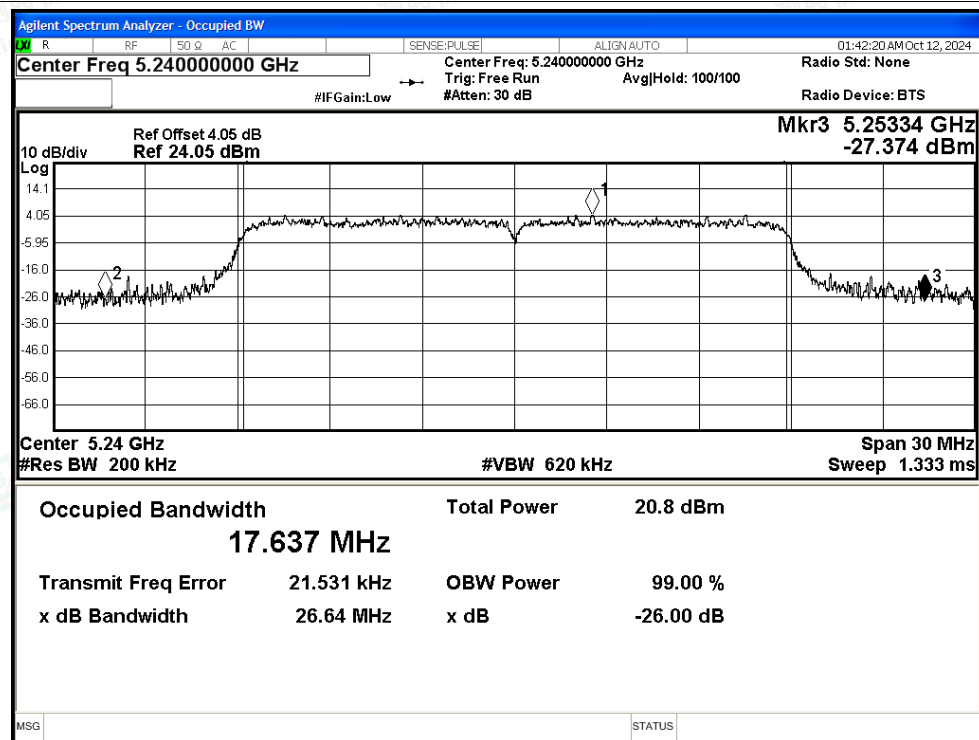


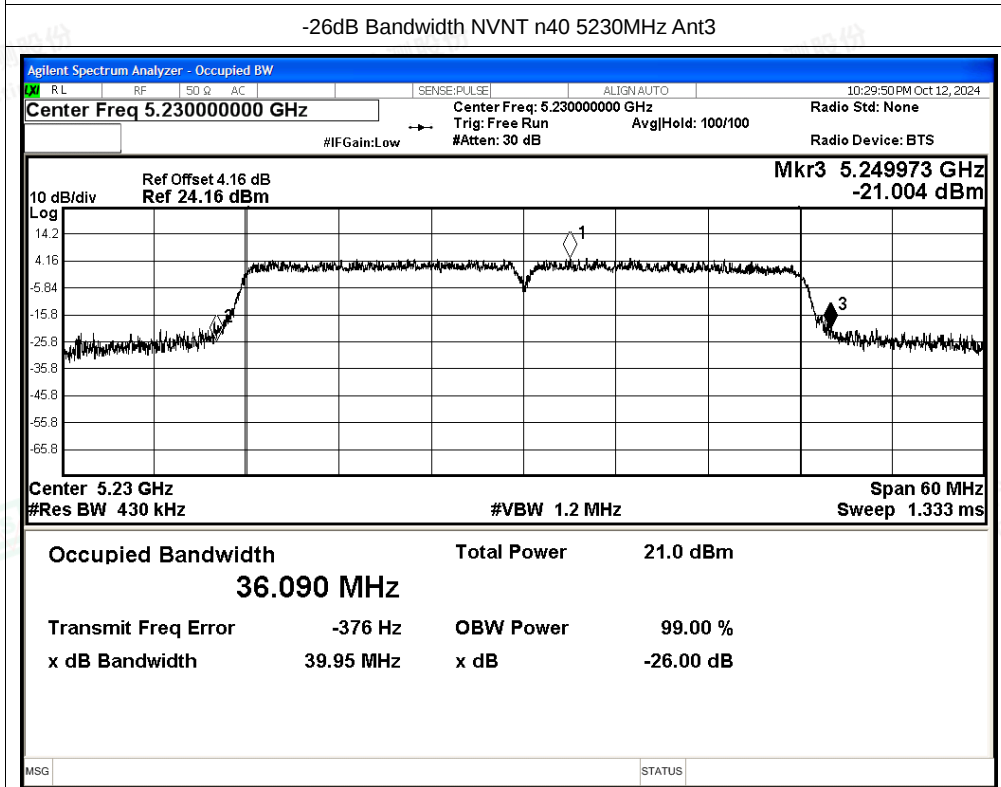
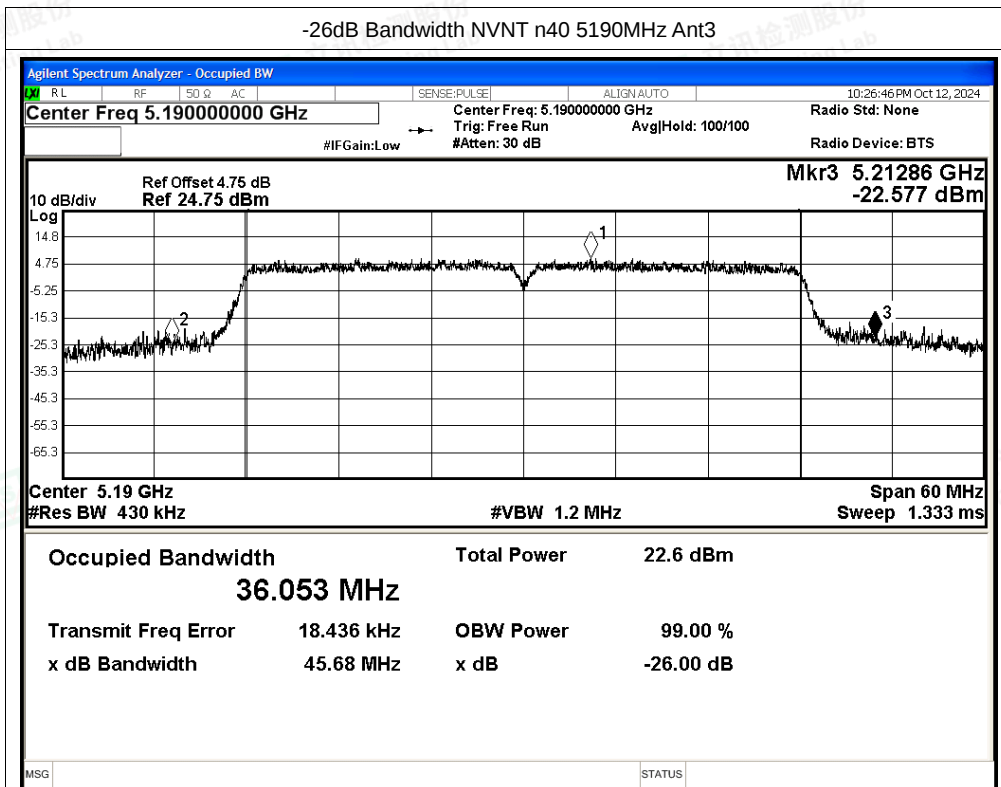


-26dB Bandwidth NVNT n20 5200MHz Ant3



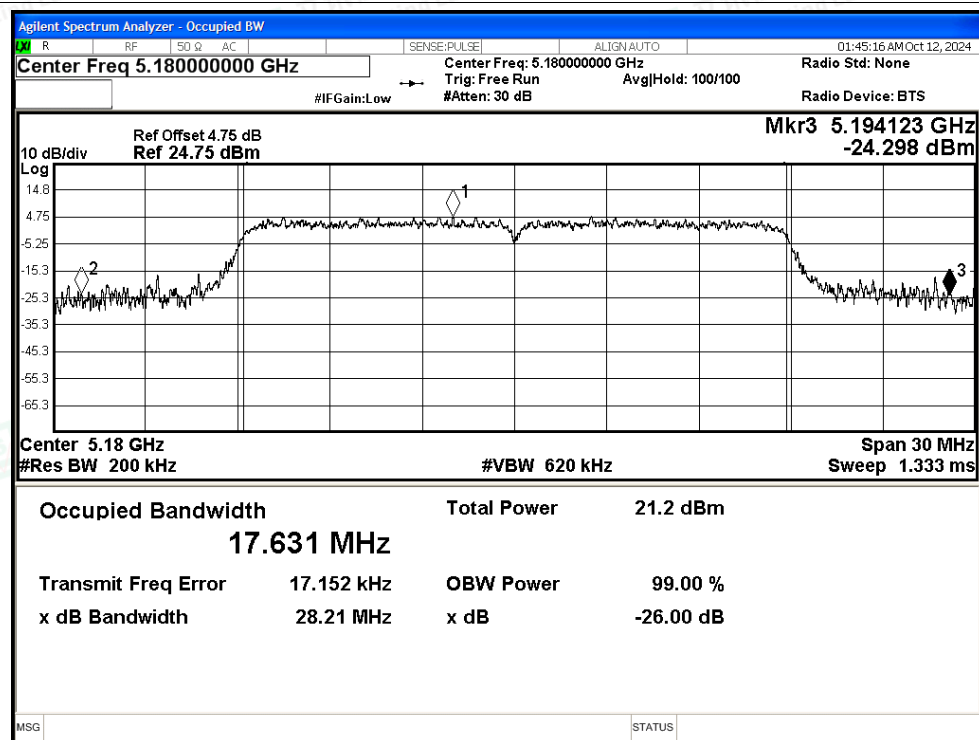
-26dB Bandwidth NVNT n20 5240MHz Ant3



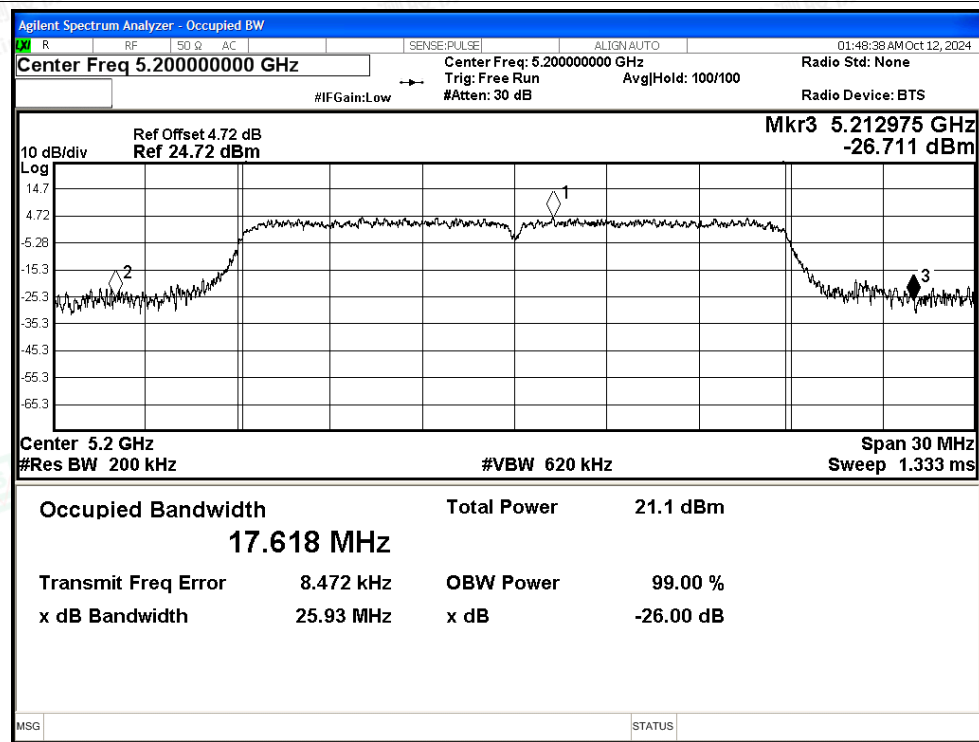




-26dB Bandwidth NVNT ac20 5180MHz Ant3



-26dB Bandwidth NVNT ac20 5200MHz Ant3



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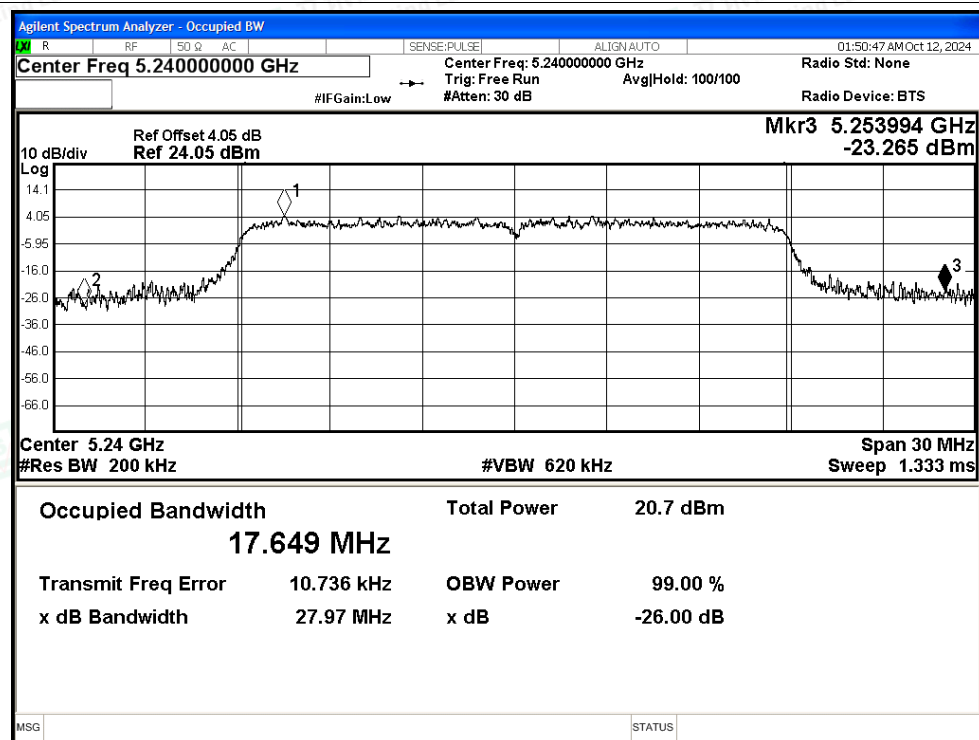
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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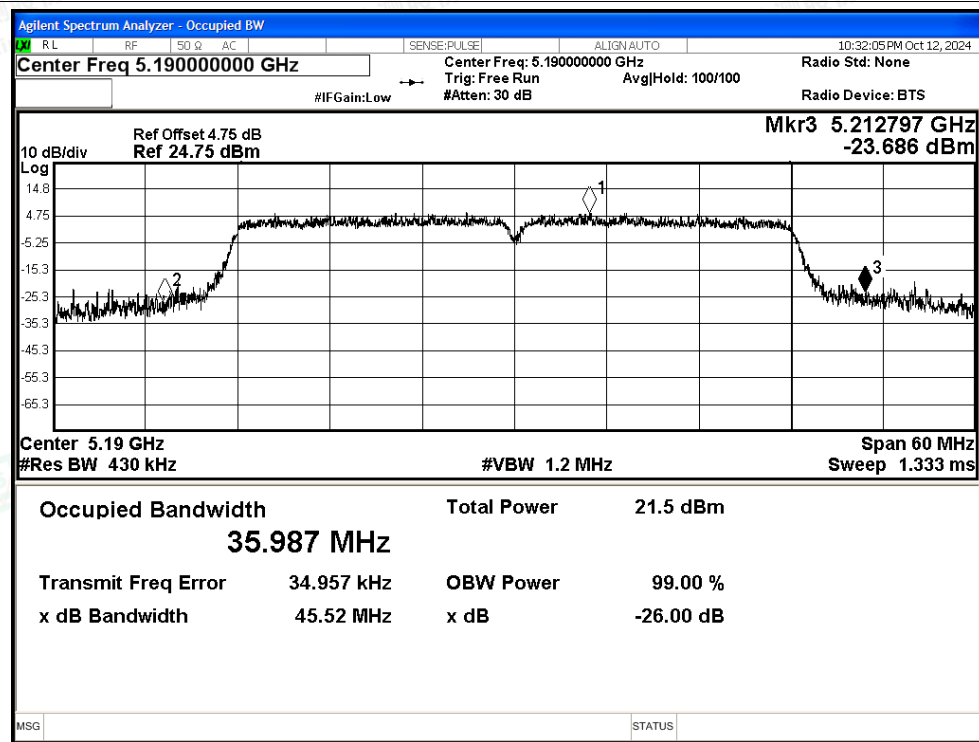
Scan code to check authenticity



-26dB Bandwidth NVNT ac20 5240MHz Ant3

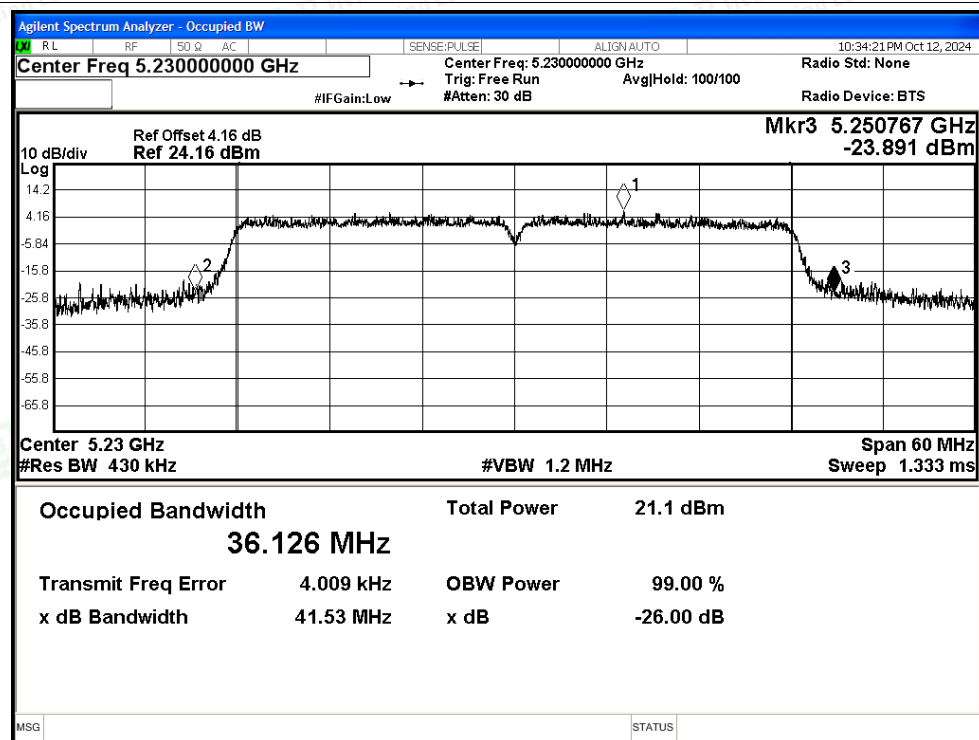


-26dB Bandwidth NVNT ac40 5190MHz Ant3

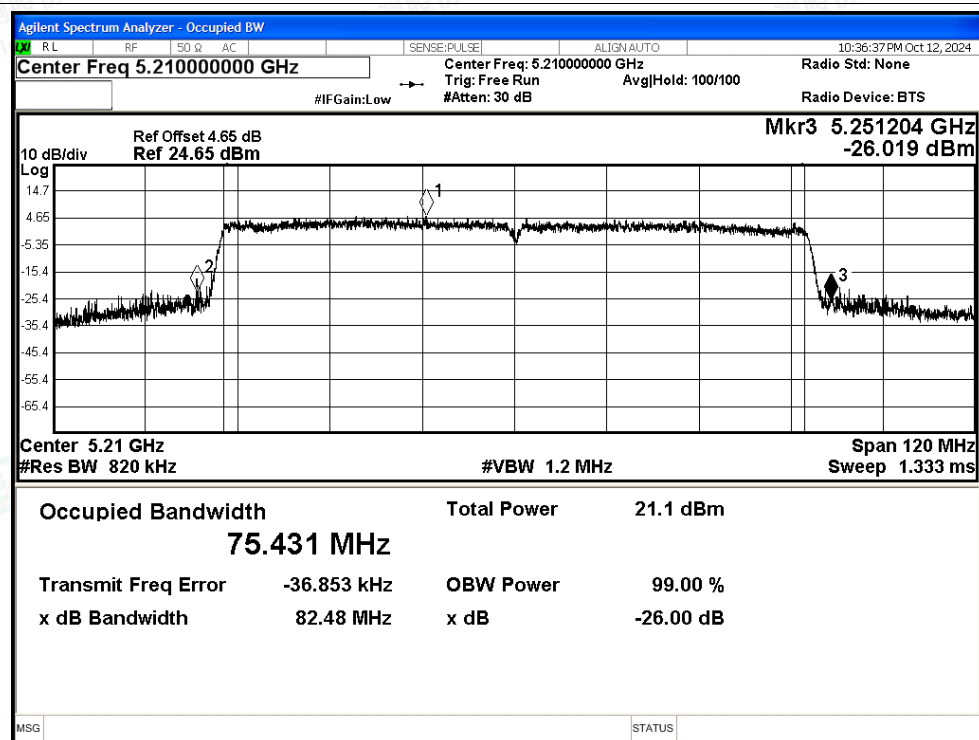




-26dB Bandwidth NVNT ac40 5230MHz Ant3



-26dB Bandwidth NVNT ac80 5210MHz Ant3



-26dB Bandwidth NVNT ax20 5180MHz Ant3

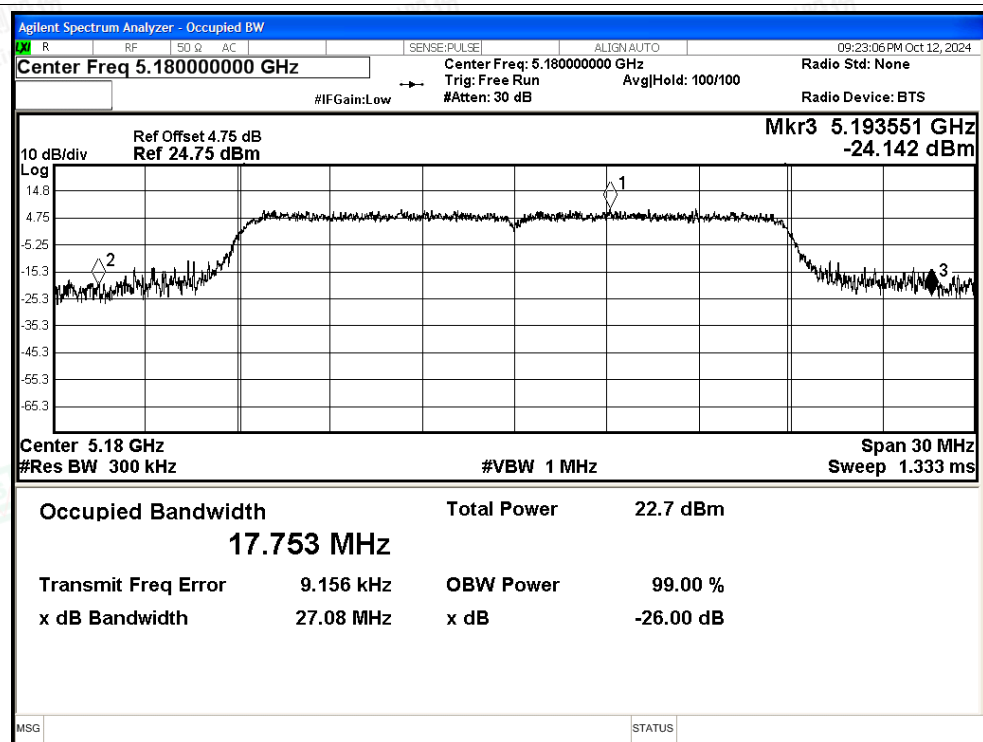


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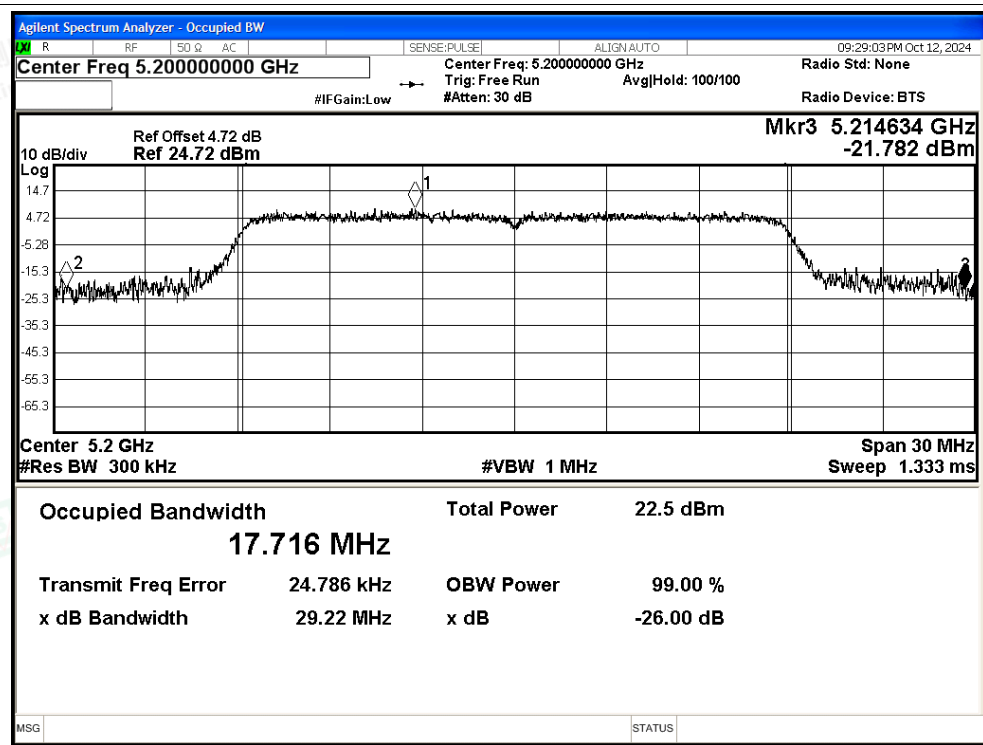
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

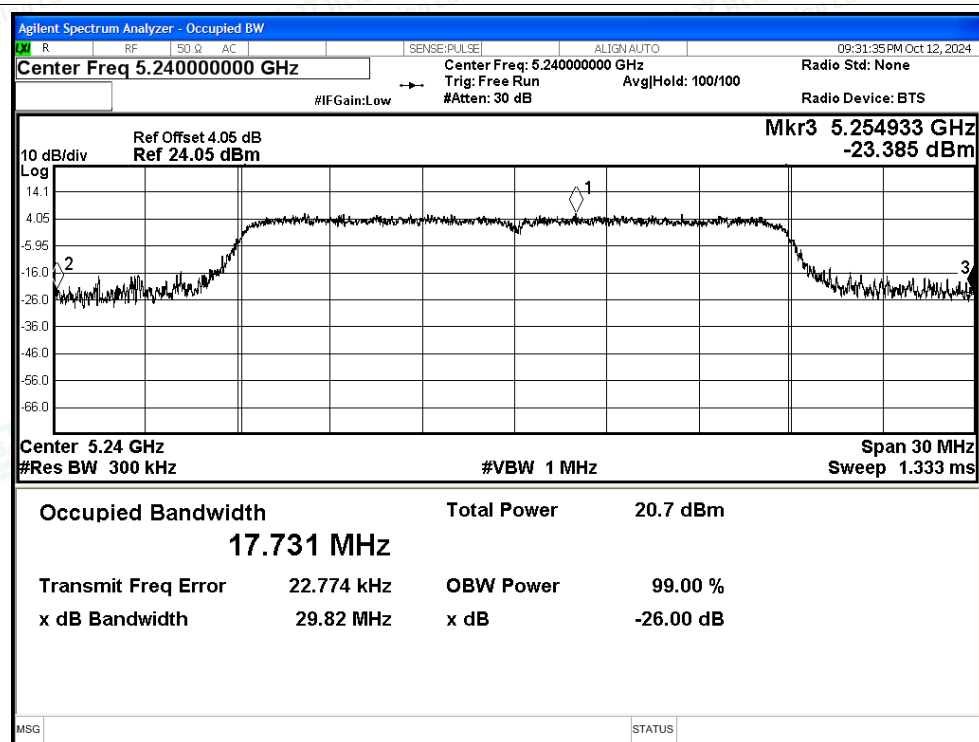


-26dB Bandwidth NVNT ax20 5200MHz Ant3

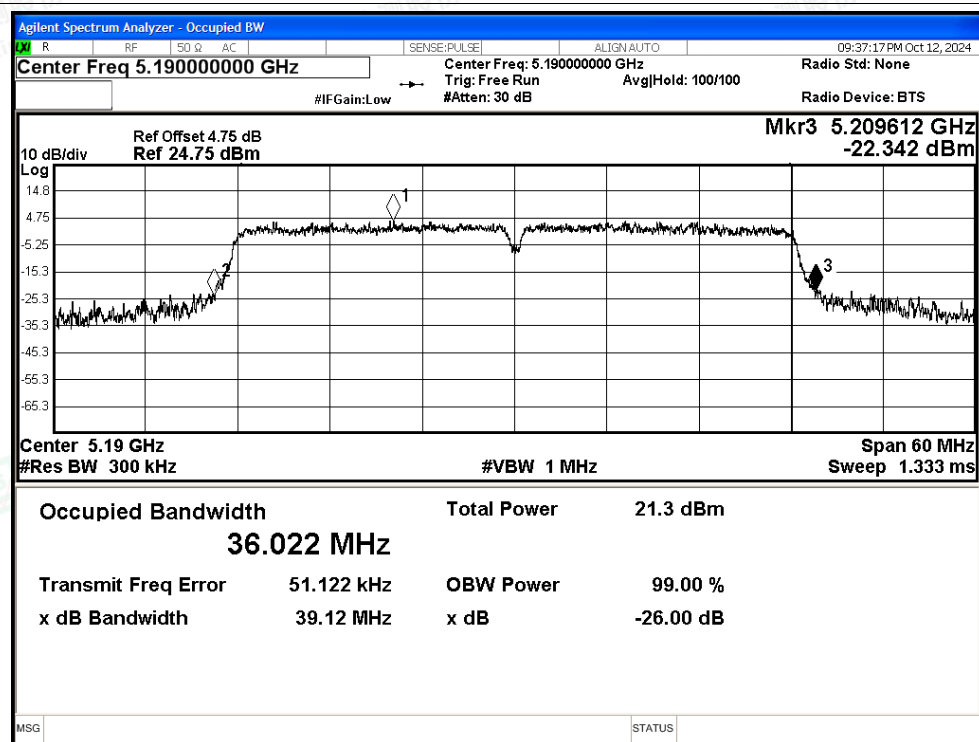




-26dB Bandwidth NVNT ax20 5240MHz Ant3

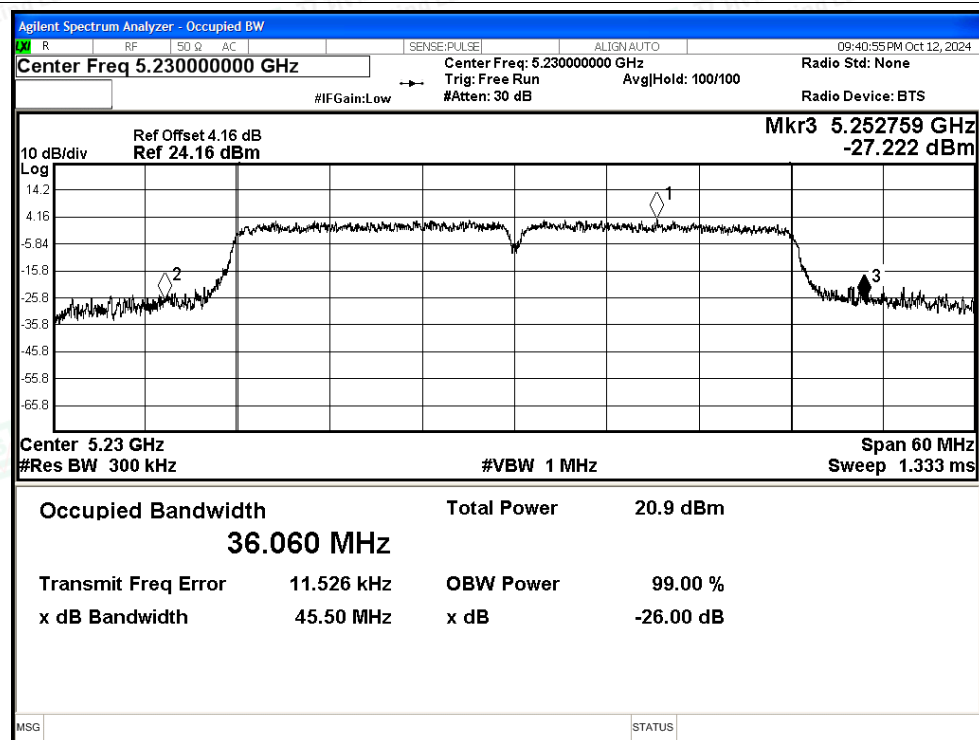


-26dB Bandwidth NVNT ax40 5190MHz Ant3

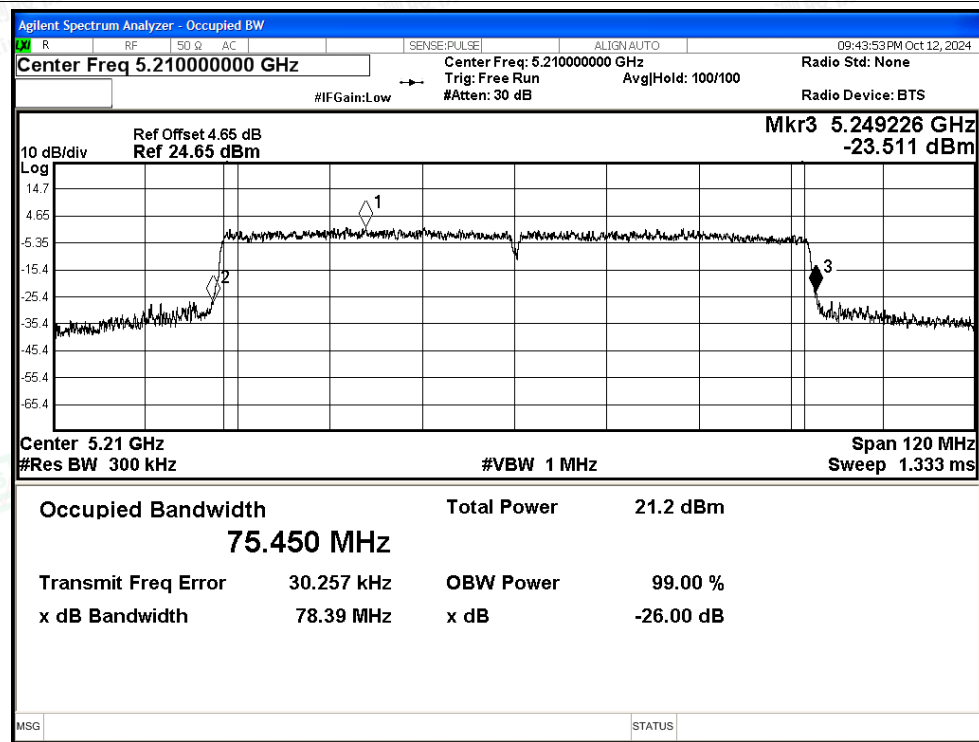




-26dB Bandwidth NVNT ax40 5230MHz Ant3



-26dB Bandwidth NVNT ax80 5210MHz Ant3





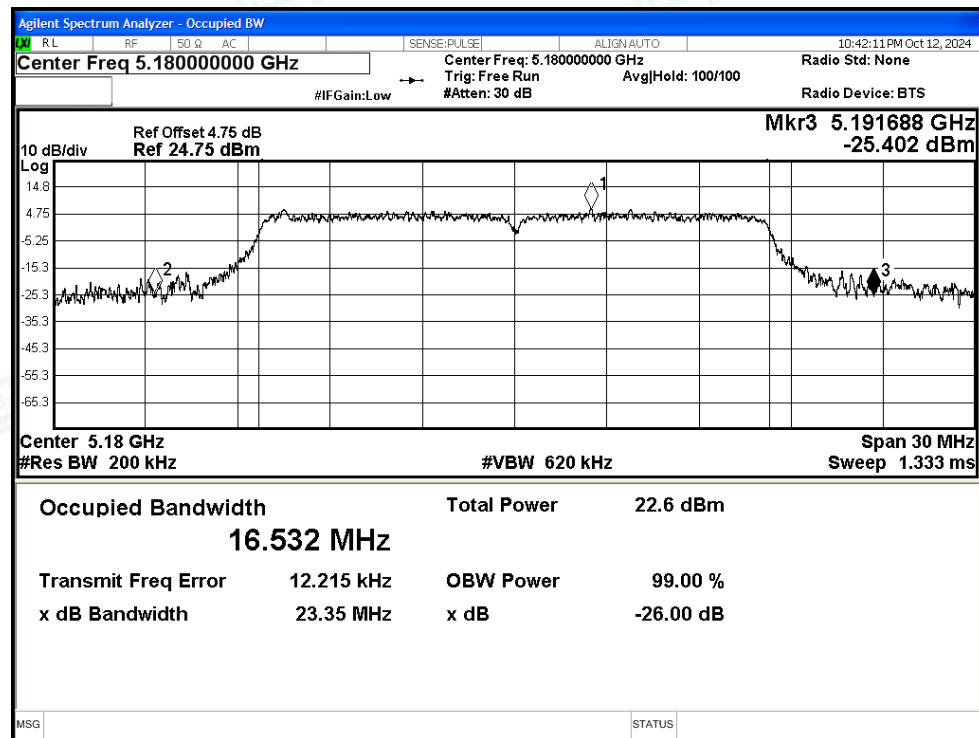
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant4	23.352	---	Pass
NVNT	a	5200	Ant4	22.593	---	Pass
NVNT	a	5240	Ant4	25.95	---	Pass
NVNT	n20	5180	Ant4	28.889	---	Pass
NVNT	n20	5200	Ant4	25.67	---	Pass
NVNT	n20	5240	Ant4	28.7	---	Pass
NVNT	n40	5190	Ant4	41.681	---	Pass
NVNT	n40	5230	Ant4	46.584	---	Pass
NVNT	ac20	5180	Ant4	26.209	---	Pass
NVNT	ac20	5200	Ant4	27.575	---	Pass
NVNT	ac20	5240	Ant4	25.778	---	Pass
NVNT	ac40	5190	Ant4	40.961	---	Pass
NVNT	ac40	5230	Ant4	47.44	---	Pass
NVNT	ac80	5210	Ant4	85.51	---	Pass
NVNT	ax20	5180	Ant4	27.792	---	Pass
NVNT	ax20	5200	Ant4	27.876	---	Pass
NVNT	ax20	5240	Ant4	29.105	---	Pass
NVNT	ax40	5190	Ant4	39.272	---	Pass
NVNT	ax40	5230	Ant4	39.212	---	Pass
NVNT	ax80	5210	Ant4	78.092	---	Pass



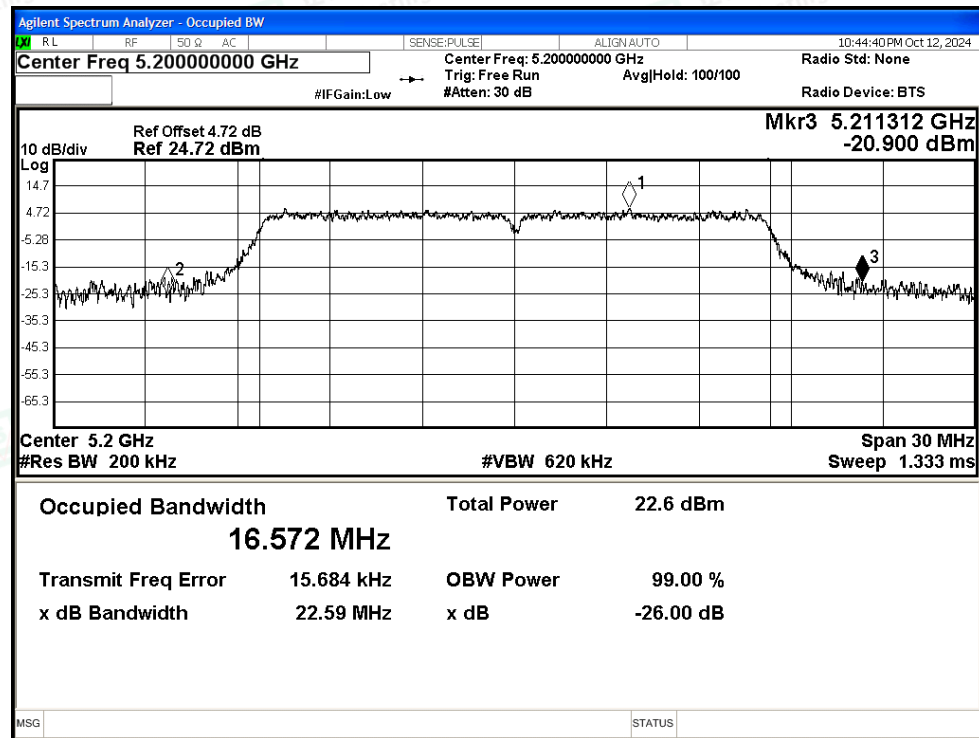


Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant4

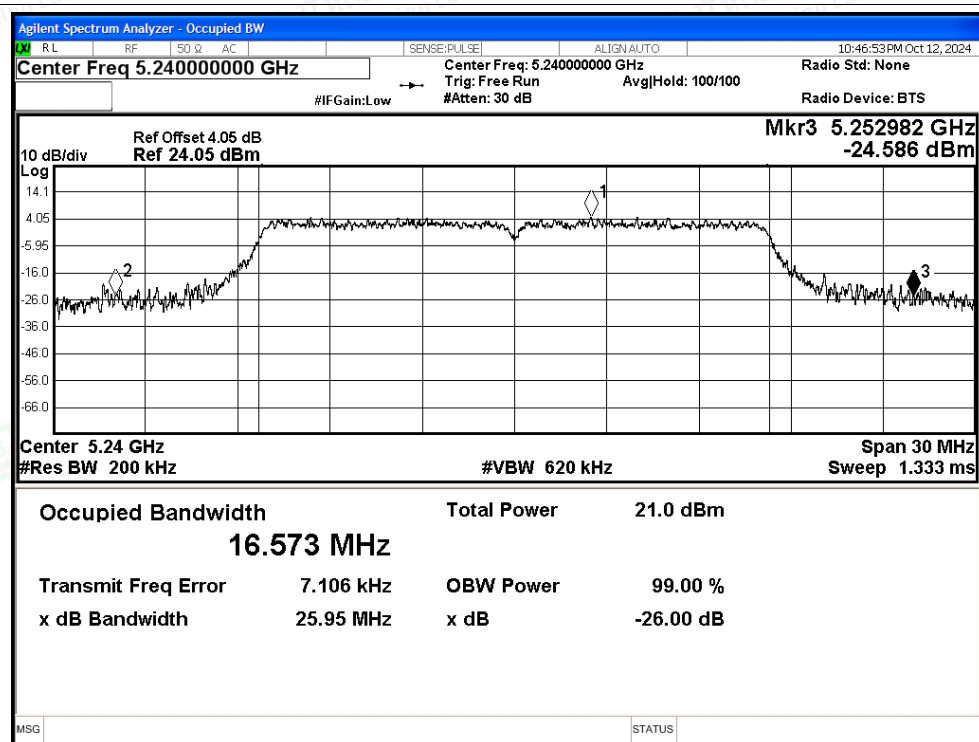


-26dB Bandwidth NVNT a 5200MHz Ant4

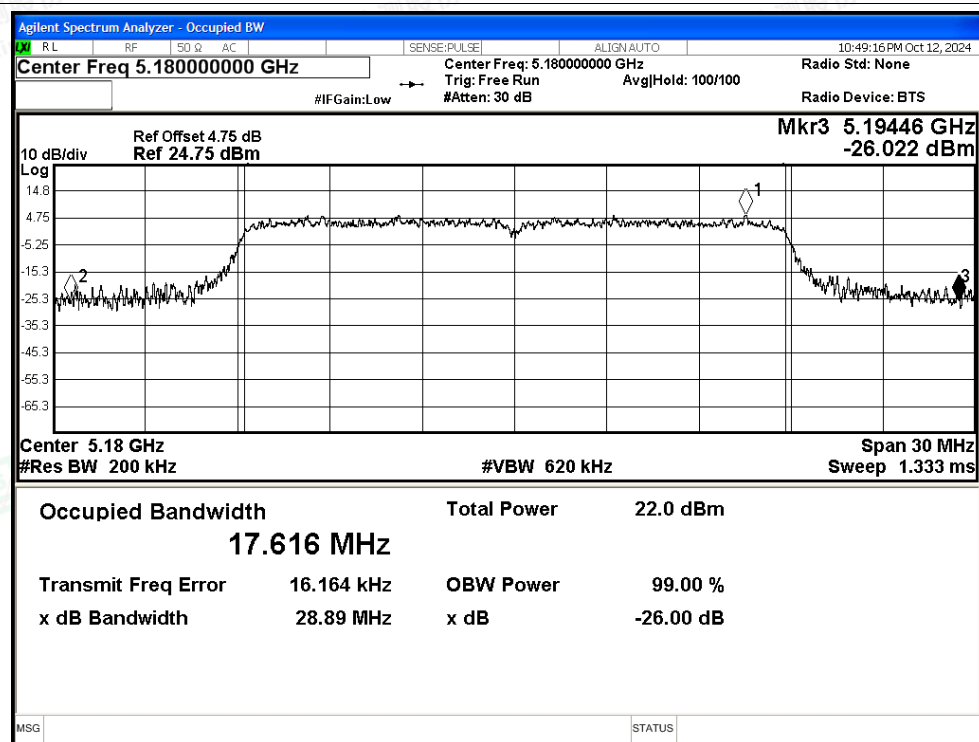


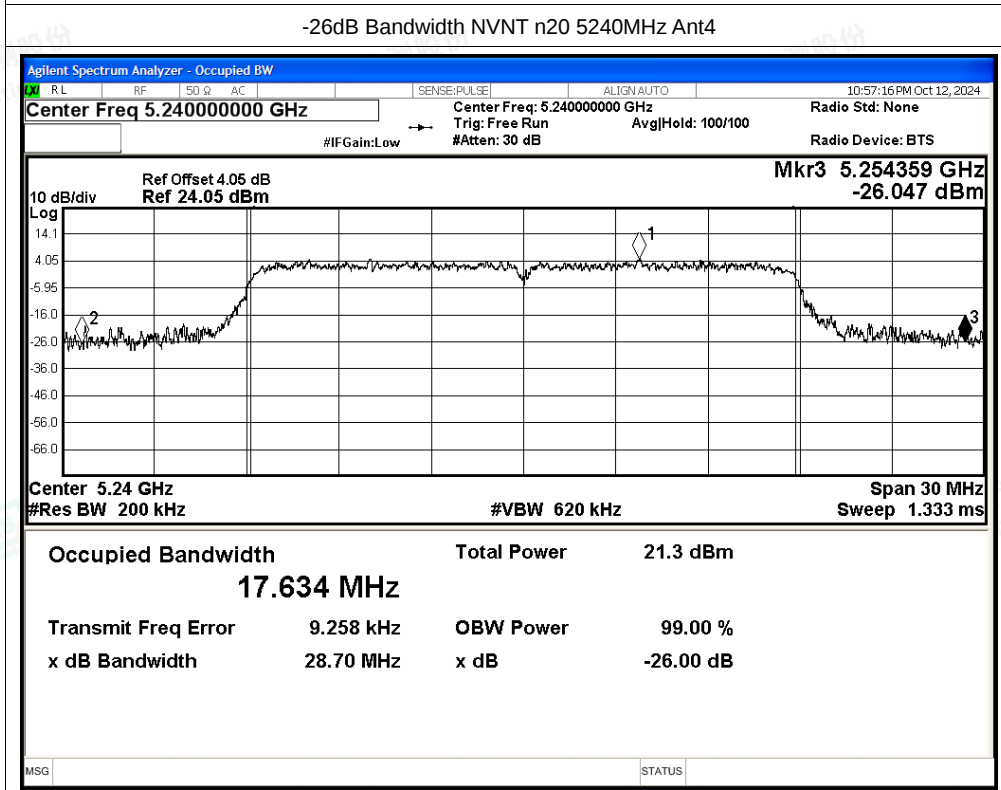
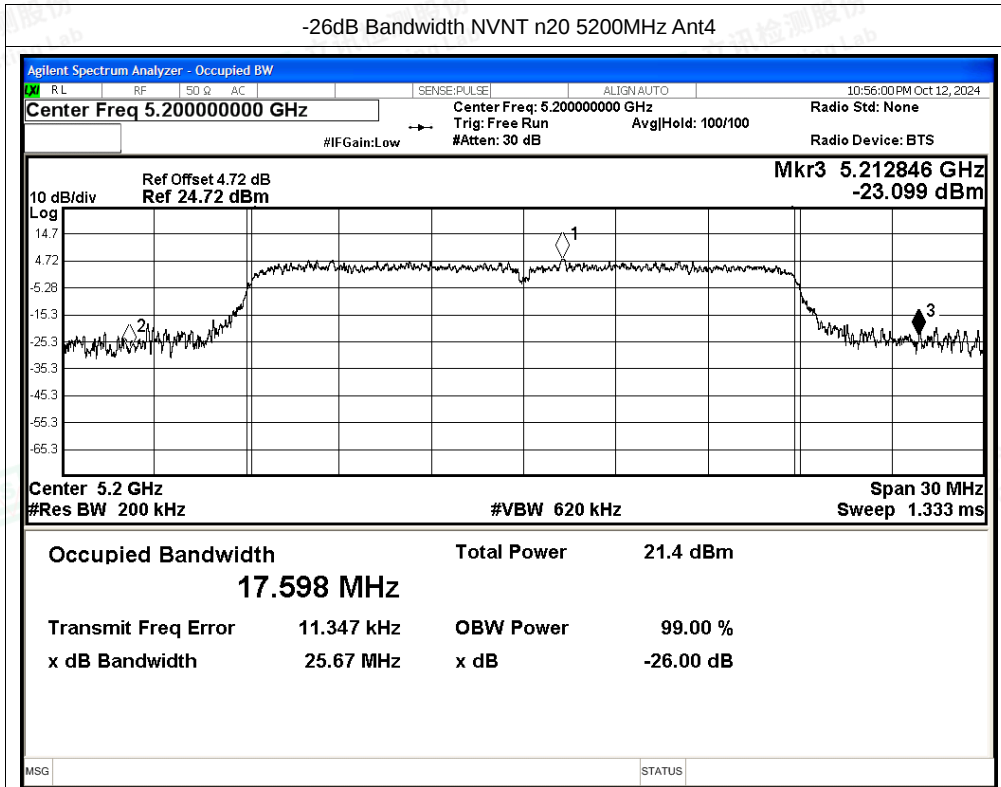


-26dB Bandwidth NVNT a 5240MHz Ant4



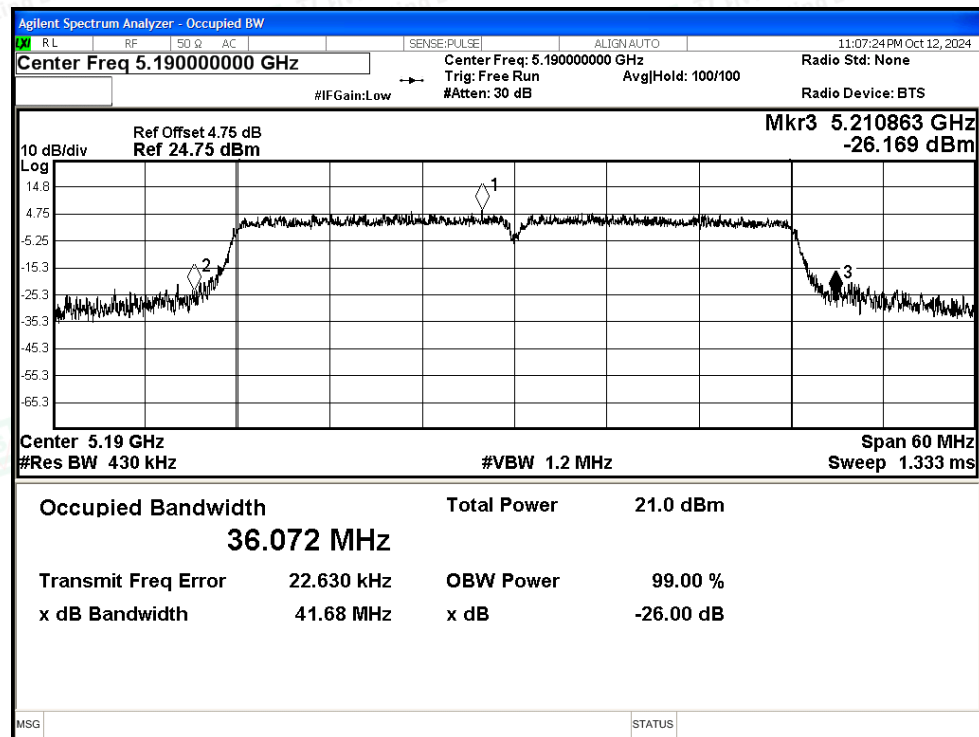
-26dB Bandwidth NVNT n20 5180MHz Ant4



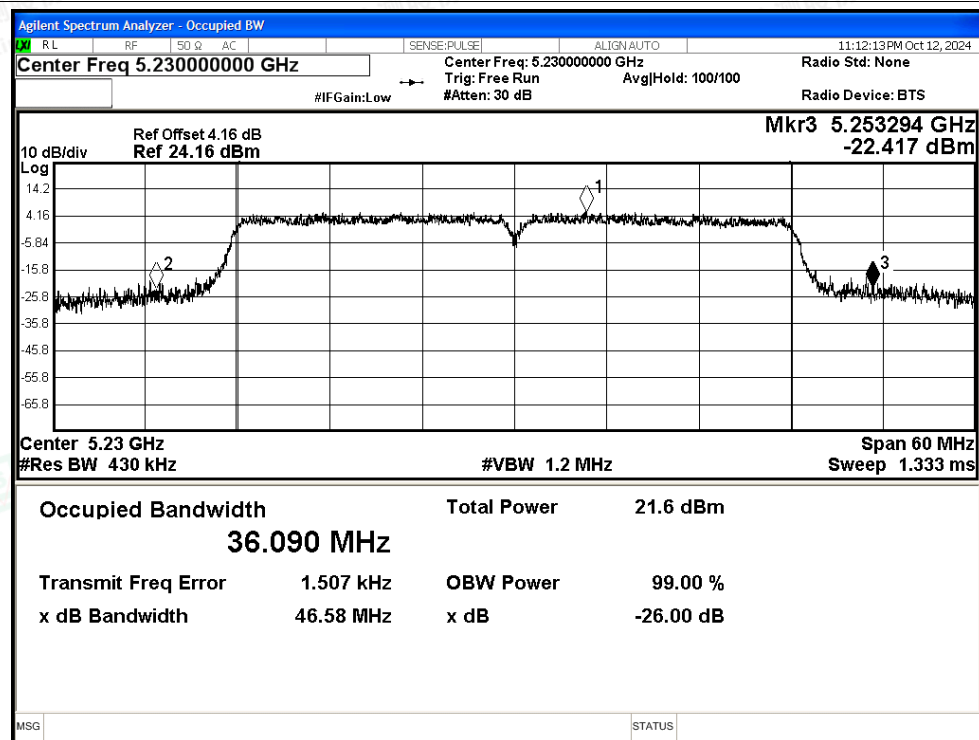




-26dB Bandwidth NVNT n40 5190MHz Ant4

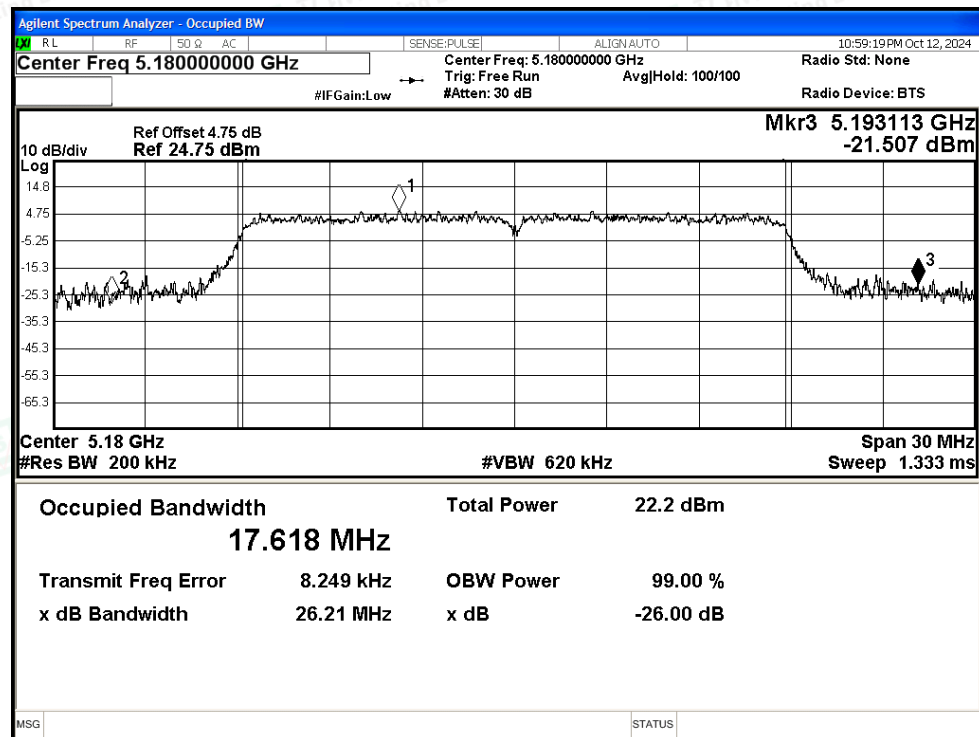


-26dB Bandwidth NVNT n40 5230MHz Ant4

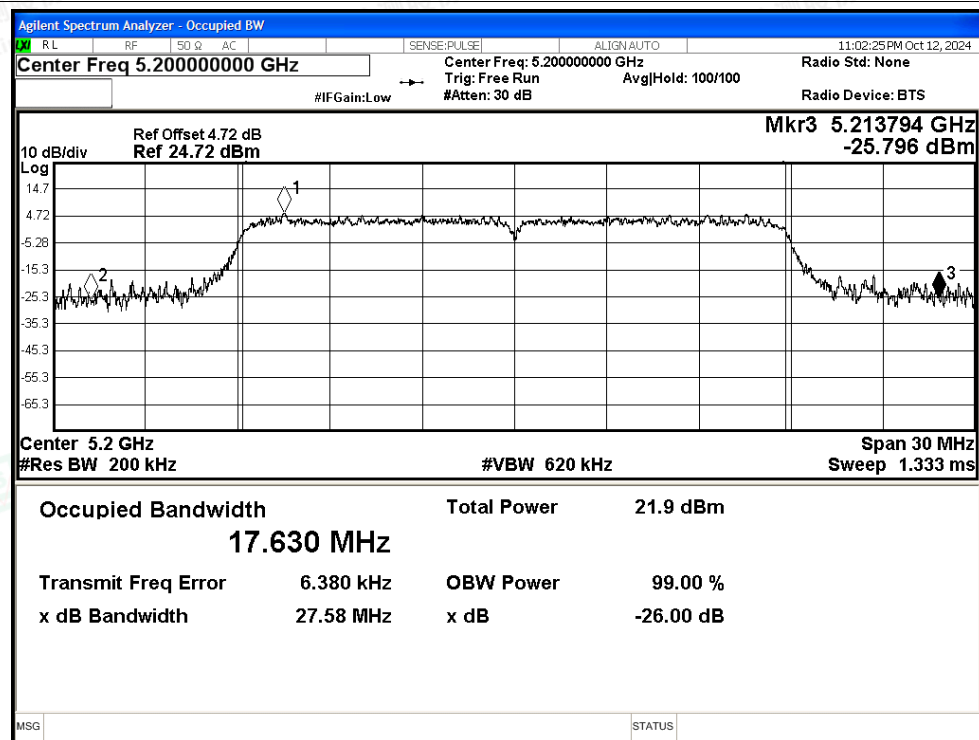




-26dB Bandwidth NVNT ac20 5180MHz Ant4

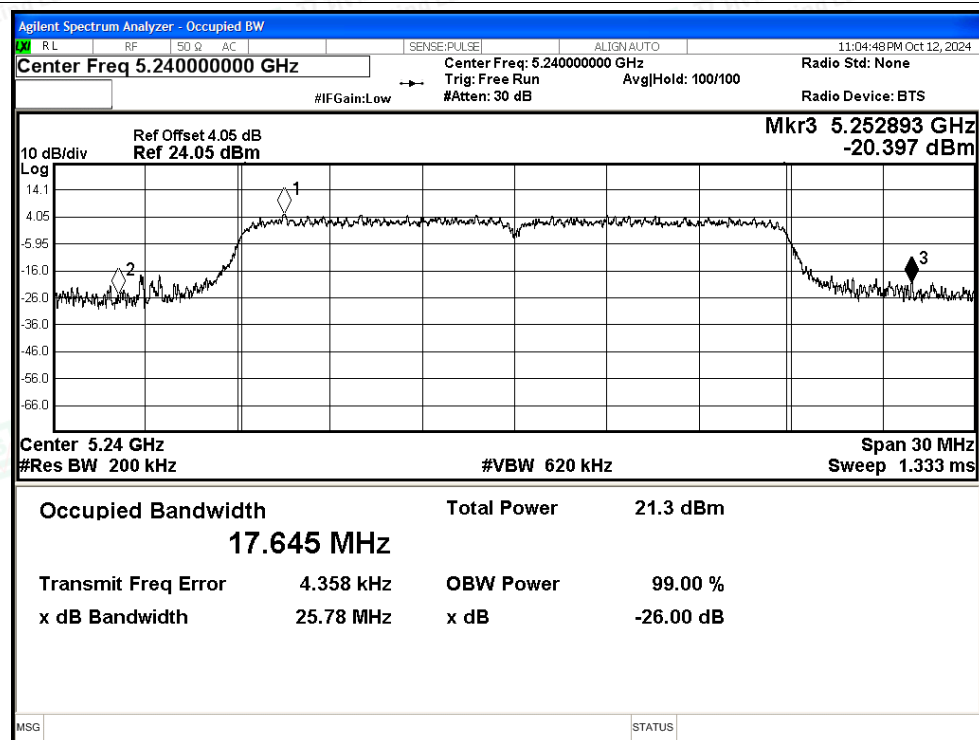


-26dB Bandwidth NVNT ac20 5200MHz Ant4

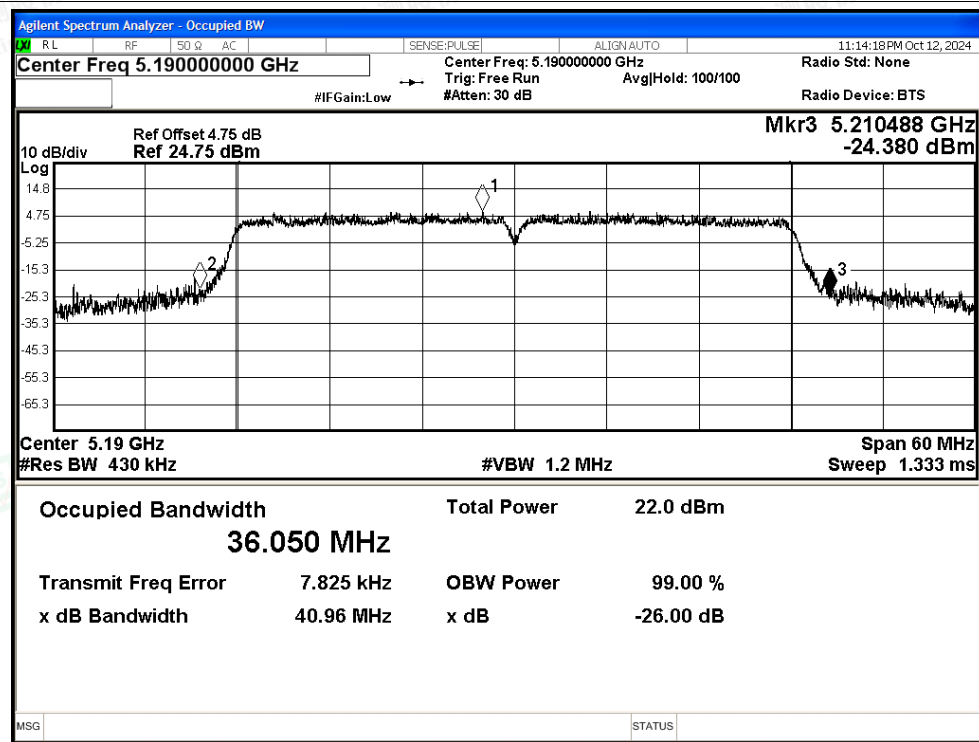




-26dB Bandwidth NVNT ac20 5240MHz Ant4

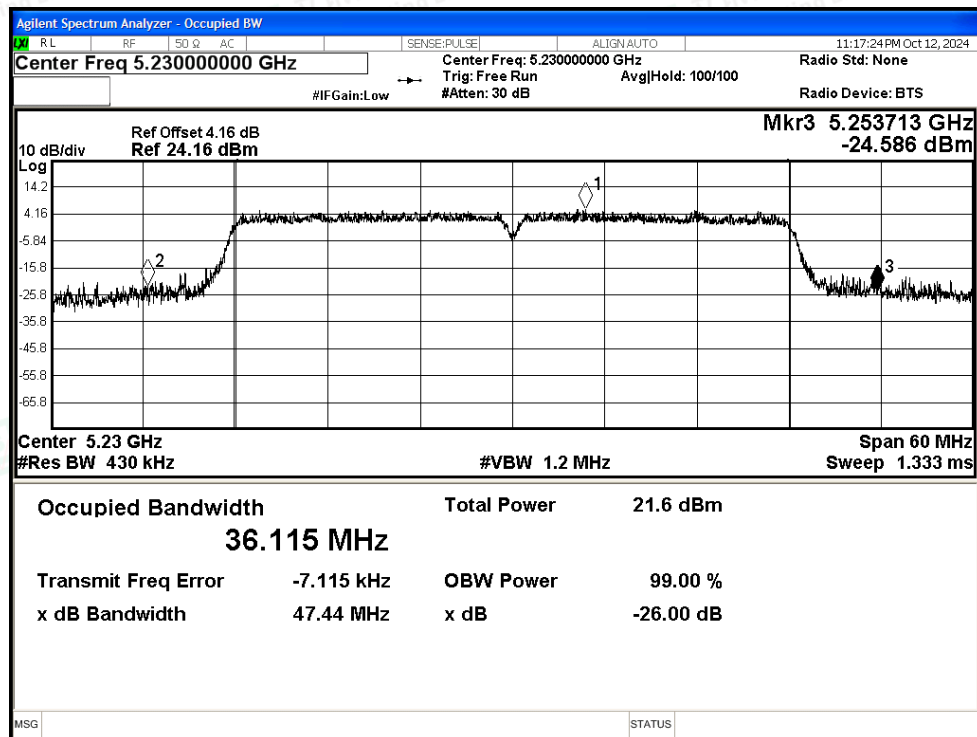


-26dB Bandwidth NVNT ac40 5190MHz Ant4

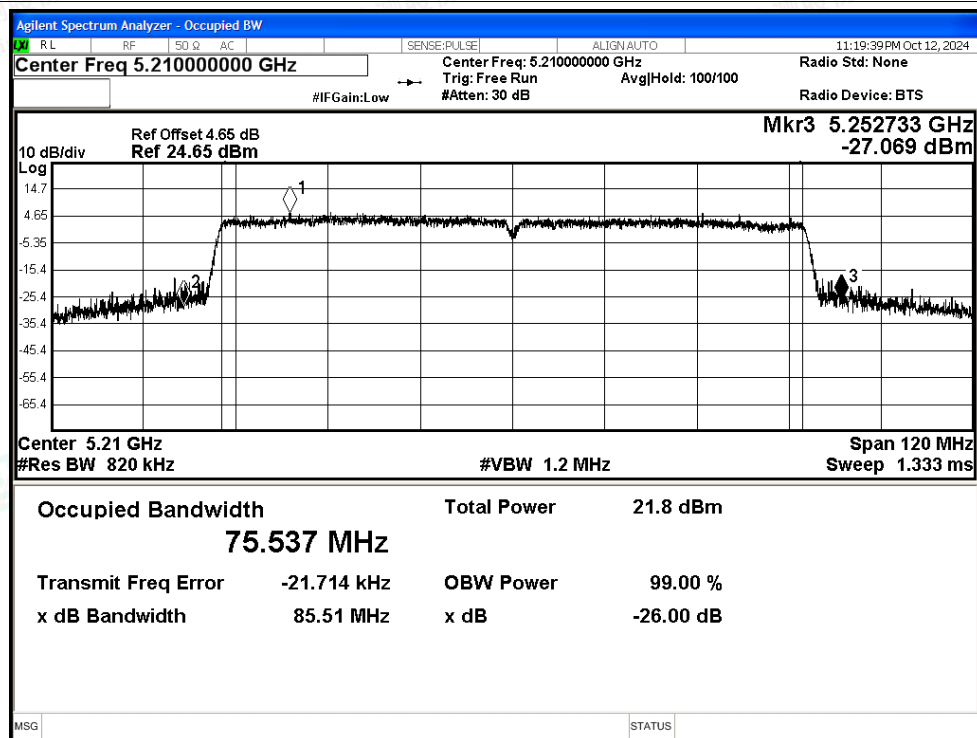




-26dB Bandwidth NVNT ac40 5230MHz Ant4

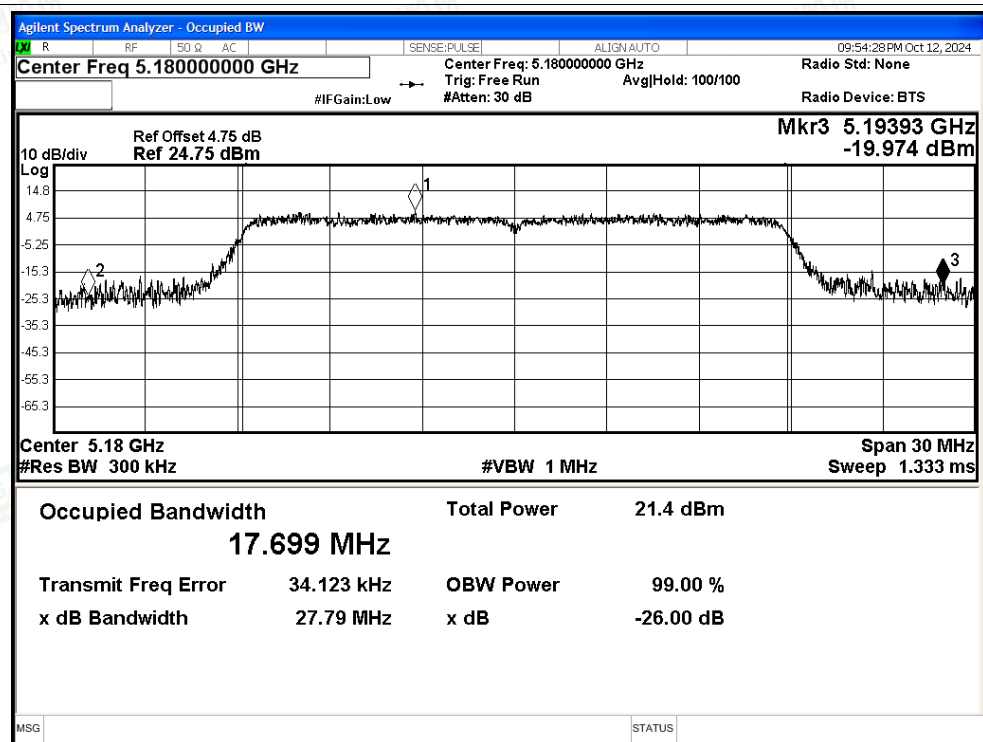


-26dB Bandwidth NVNT ac80 5210MHz Ant4

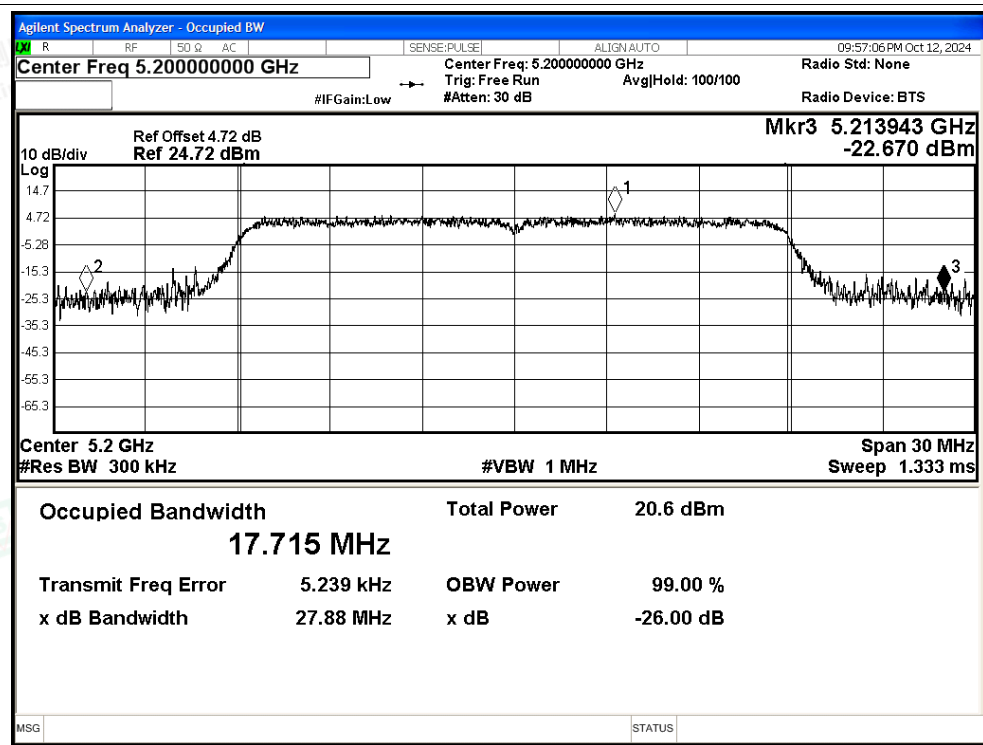


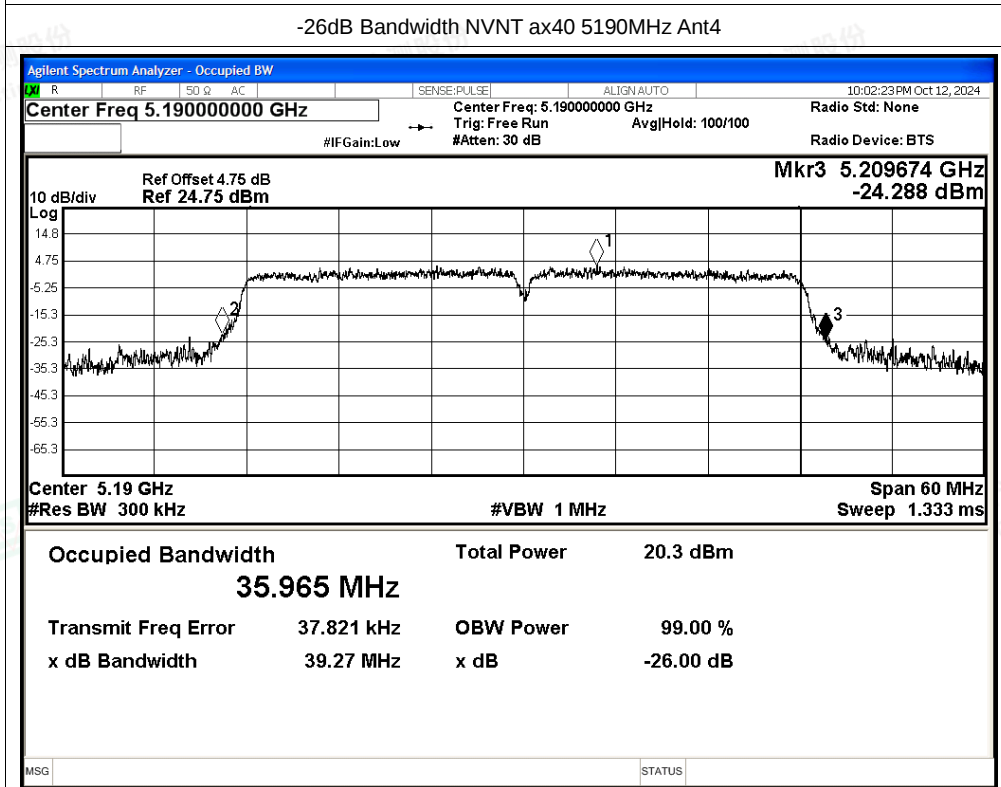
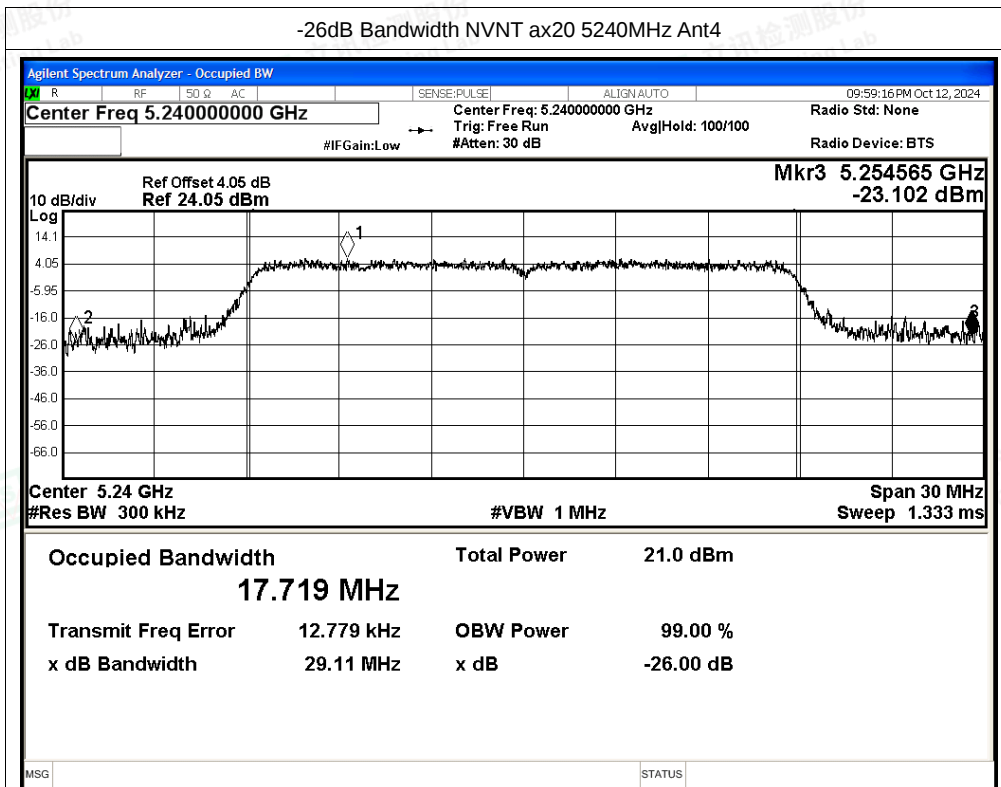
-26dB Bandwidth NVNT ax20 5180MHz Ant4





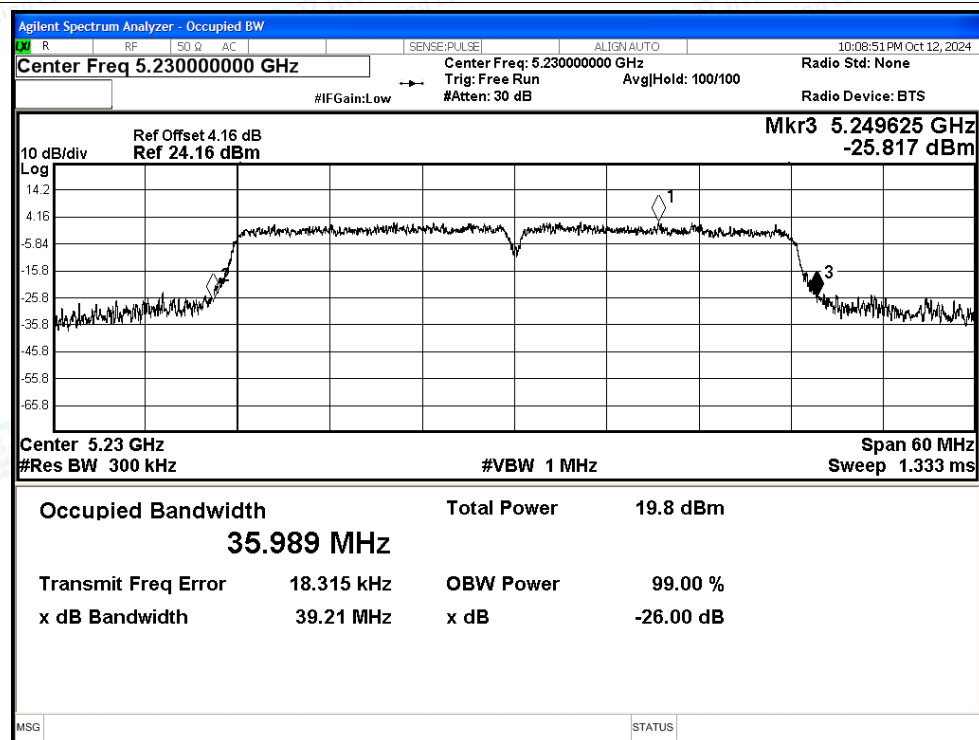
-26dB Bandwidth NVNT ax20 5200MHz Ant4



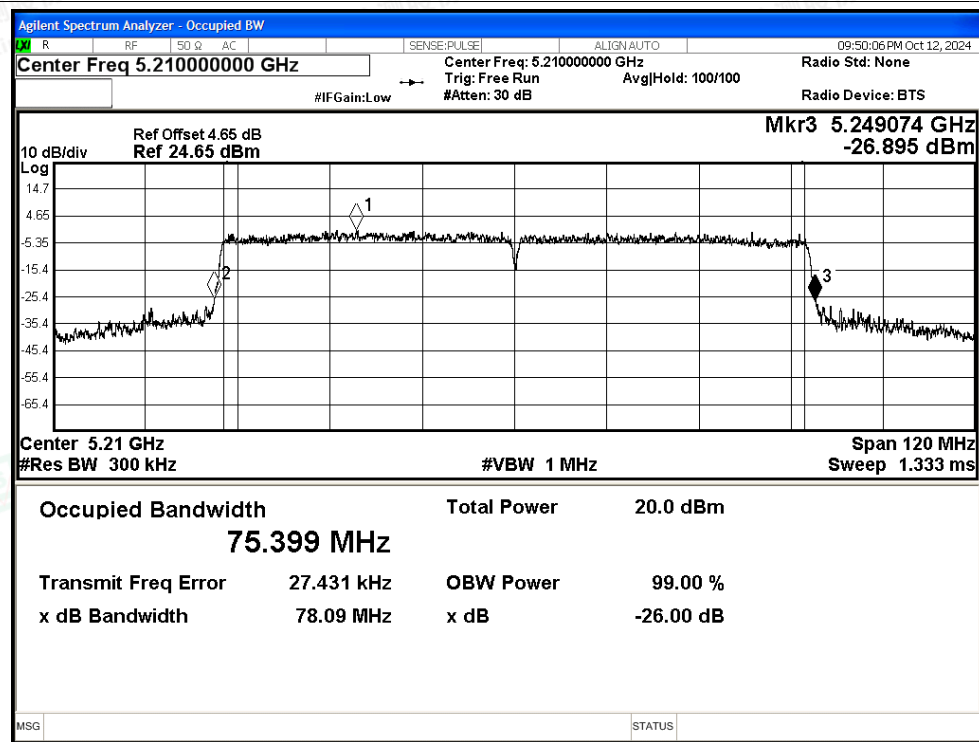




-26dB Bandwidth NVNT ax40 5230MHz Ant4



-26dB Bandwidth NVNT ax80 5210MHz Ant4





B.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	Ant3	16.63	0.24	16.87	24	Pass
NVNT	a	5200	Ant3	16.52	0.24	16.76	24	Pass
NVNT	a	5240	Ant3	15.02	0.24	15.26	24	Pass
NVNT	n20	5180	Ant3	15.6	0.28	15.88	24	Pass
NVNT	n20	5200	Ant3	15.6	0.28	15.88	24	Pass
NVNT	n20	5240	Ant3	15.08	0.28	15.36	24	Pass
NVNT	n40	5190	Ant3	15.82	0.12	15.94	24	Pass
NVNT	n40	5230	Ant3	15.01	0.12	15.13	24	Pass
NVNT	ac20	5180	Ant3	15.51	0.28	15.79	24	Pass
NVNT	ac20	5200	Ant3	15.37	0.28	15.65	24	Pass
NVNT	ac20	5240	Ant3	14.98	0.28	15.26	24	Pass
NVNT	ac40	5190	Ant3	15.59	0.12	15.71	24	Pass
NVNT	ac40	5230	Ant3	15.36	0.12	15.48	24	Pass
NVNT	ac80	5210	Ant3	14.64	0.25	14.89	24	Pass
NVNT	ax20	5180	Ant3	16.98	0.28	17.26	24	Pass
NVNT	ax20	5200	Ant3	16.81	0.28	17.09	24	Pass
NVNT	ax20	5240	Ant3	15	0.28	15.28	24	Pass
NVNT	ax40	5190	Ant3	15.58	0.12	15.70	24	Pass
NVNT	ax40	5230	Ant3	15.21	0.12	15.33	24	Pass
NVNT	ax80	5210	Ant3	14.78	0.25	15.03	24	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant4	16.72	0.24	16.96	24	Pass
NVNT	a	5200	Ant4	16.91	0.24	17.15	24	Pass
NVNT	a	5240	Ant4	15.31	0.24	15.55	24	Pass
NVNT	n20	5180	Ant4	16.35	0.28	16.63	24	Pass
NVNT	n20	5200	Ant4	15.68	0.28	15.96	24	Pass
NVNT	n20	5240	Ant4	15.64	0.28	15.92	24	Pass
NVNT	n40	5190	Ant4	15.19	0.12	15.31	24	Pass
NVNT	n40	5230	Ant4	15.7	0.12	15.82	24	Pass
NVNT	ac20	5180	Ant4	15.14	0.28	15.42	24	Pass
NVNT	ac20	5200	Ant4	14.9	0.28	15.18	24	Pass
NVNT	ac20	5240	Ant4	15.53	0.28	15.81	24	Pass
NVNT	ac40	5190	Ant4	15.16	0.12	15.28	24	Pass
NVNT	ac40	5230	Ant4	15.76	0.12	15.88	24	Pass
NVNT	ac80	5210	Ant4	15.11	0.25	15.36	24	Pass





NVNT	ax20	5180	Ant4	15.73	0.28	16.01	24	Pass
NVNT	ax20	5200	Ant4	14.94	0.28	15.22	24	Pass
NVNT	ax20	5240	Ant4	15.26	0.28	15.54	24	Pass
NVNT	ax40	5190	Ant4	14.6	0.12	14.72	24	Pass
NVNT	ax40	5230	Ant4	14.15	0.12	14.27	24	Pass
NVNT	ax80	5210	Ant4	13.65	0.25	13.90	24	Pass

MIMO

Condition	Mode	Frequency (MHz)	Antenna		Total Power (dBm)	Limit (dBm)	Verdict
			Ant3	Ant4			
NVNT	n20	5180	15.88	16.63	19.28	24	Pass
NVNT	n20	5200	15.88	15.96	18.93	24	Pass
NVNT	n20	5240	15.36	15.92	18.66	24	Pass
NVNT	n40	5190	15.94	15.31	18.65	24	Pass
NVNT	n40	5230	15.13	15.82	18.50	24	Pass
NVNT	ac20	5180	15.79	15.42	18.62	24	Pass
NVNT	ac20	5200	15.65	15.18	18.43	24	Pass
NVNT	ac20	5240	15.26	15.81	18.55	24	Pass
NVNT	ac40	5190	15.71	15.28	18.51	24	Pass
NVNT	ac40	5230	15.48	15.88	18.69	24	Pass
NVNT	ac80	5210	14.89	15.36	18.14	24	Pass
NVNT	ax20	5180	17.26	16.01	19.69	24	Pass
NVNT	ax20	5200	17.09	15.22	19.27	24	Pass
NVNT	ax20	5240	15.28	15.54	18.42	24	Pass
NVNT	ax40	5190	15.70	14.72	18.25	24	Pass
NVNT	ax40	5230	15.33	14.27	17.84	24	Pass
NVNT	ax80	5210	15.03	13.90	17.51	24	Pass





B.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	Ant3	6.35	0.24	6.59	11	Pass
NVNT	a	5200	Ant3	6.09	0.24	6.33	11	Pass
NVNT	a	5240	Ant3	4.57	0.24	4.81	11	Pass
NVNT	n20	5180	Ant3	4.99	0.28	5.27	11	Pass
NVNT	n20	5200	Ant3	4.77	0.28	5.05	11	Pass
NVNT	n20	5240	Ant3	4.21	0.28	4.49	11	Pass
NVNT	n40	5190	Ant3	3.09	0.12	3.21	11	Pass
NVNT	n40	5230	Ant3	1.53	0.12	1.65	11	Pass
NVNT	ac20	5180	Ant3	4.82	0.28	5.10	11	Pass
NVNT	ac20	5200	Ant3	4.68	0.28	4.96	11	Pass
NVNT	ac20	5240	Ant3	4.12	0.28	4.40	11	Pass
NVNT	ac40	5190	Ant3	1.9	0.12	2.02	11	Pass
NVNT	ac40	5230	Ant3	1.8	0.12	1.92	11	Pass
NVNT	ac80	5210	Ant3	-1.82	0.25	-1.57	11	Pass
NVNT	ax20	5180	Ant3	6.2	0.28	6.48	11	Pass
NVNT	ax20	5200	Ant3	5.89	0.28	6.17	11	Pass
NVNT	ax20	5240	Ant3	4.18	0.28	4.46	11	Pass
NVNT	ax40	5190	Ant3	1.82	0.12	1.94	11	Pass
NVNT	ax40	5230	Ant3	1.61	0.12	1.73	11	Pass
NVNT	ax80	5210	Ant3	-1.37	0.25	-1.12	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	Ant4	6.35	0.24	6.59	11	Pass
NVNT	a	5200	Ant4	6.44	0.24	6.68	11	Pass
NVNT	a	5240	Ant4	4.63	0.24	4.87	11	Pass
NVNT	n20	5180	Ant4	5.74	0.28	6.02	11	Pass
NVNT	n20	5200	Ant4	4.95	0.28	5.23	11	Pass
NVNT	n20	5240	Ant4	4.71	0.28	4.99	11	Pass
NVNT	n40	5190	Ant4	1.59	0.12	1.71	11	Pass
NVNT	n40	5230	Ant4	2.01	0.12	2.13	11	Pass
NVNT	ac20	5180	Ant4	5.64	0.28	5.92	11	Pass
NVNT	ac20	5200	Ant4	5.31	0.28	5.59	11	Pass
NVNT	ac20	5240	Ant4	5	0.28	5.28	11	Pass
NVNT	ac40	5190	Ant4	2.39	0.12	2.51	11	Pass
NVNT	ac40	5230	Ant4	2.09	0.12	2.21	11	Pass
NVNT	ac80	5210	Ant4	-1.36	0.25	-1.11	11	Pass





NVNT	ax20	5180	Ant4	4.87	0.28	5.15	11	Pass
NVNT	ax20	5200	Ant4	4.25	0.28	4.53	11	Pass
NVNT	ax20	5240	Ant4	4.5	0.28	4.78	11	Pass
NVNT	ax40	5190	Ant4	0.99	0.12	1.11	11	Pass
NVNT	ax40	5230	Ant4	0.5	0.12	0.62	11	Pass
NVNT	ax80	5210	Ant4	-2.49	0.25	-2.24	11	Pass

MIMO

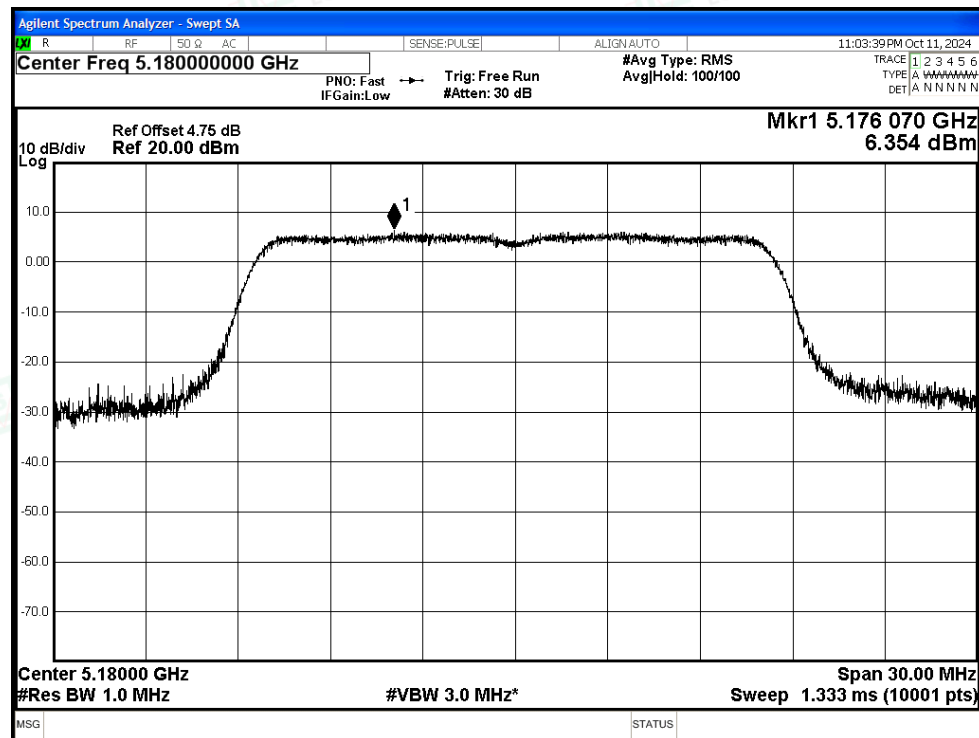
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm)		Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
			Duty Factor (dBm/MHz)				
			Ant3	Ant4			
NVNT	n20	5180	5.27	6.02	8.67	8.77	Pass
NVNT	n20	5200	5.05	5.23	8.15	8.77	Pass
NVNT	n20	5240	4.49	4.99	7.76	8.77	Pass
NVNT	n40	5190	3.21	1.71	5.53	8.77	Pass
NVNT	n40	5230	1.65	2.13	4.91	8.77	Pass
NVNT	ac20	5180	5.10	5.92	8.54	8.77	Pass
NVNT	ac20	5200	4.96	5.59	8.30	8.77	Pass
NVNT	ac20	5240	4.40	5.28	7.87	8.77	Pass
NVNT	ac40	5190	2.02	2.51	5.28	8.77	Pass
NVNT	ac40	5230	1.92	2.21	5.08	8.77	Pass
NVNT	ac80	5210	-1.57	-1.11	1.68	8.77	Pass
NVNT	ax20	5180	6.48	5.15	8.88	8.77	Pass
NVNT	ax20	5200	6.17	4.53	8.44	8.77	Pass
NVNT	ax20	5240	4.46	4.78	7.63	8.77	Pass
NVNT	ax40	5190	1.94	1.11	4.56	8.77	Pass
NVNT	ax40	5230	1.73	0.62	4.22	8.77	Pass
NVNT	ax80	5210	-1.12	-2.24	1.37	8.77	Pass



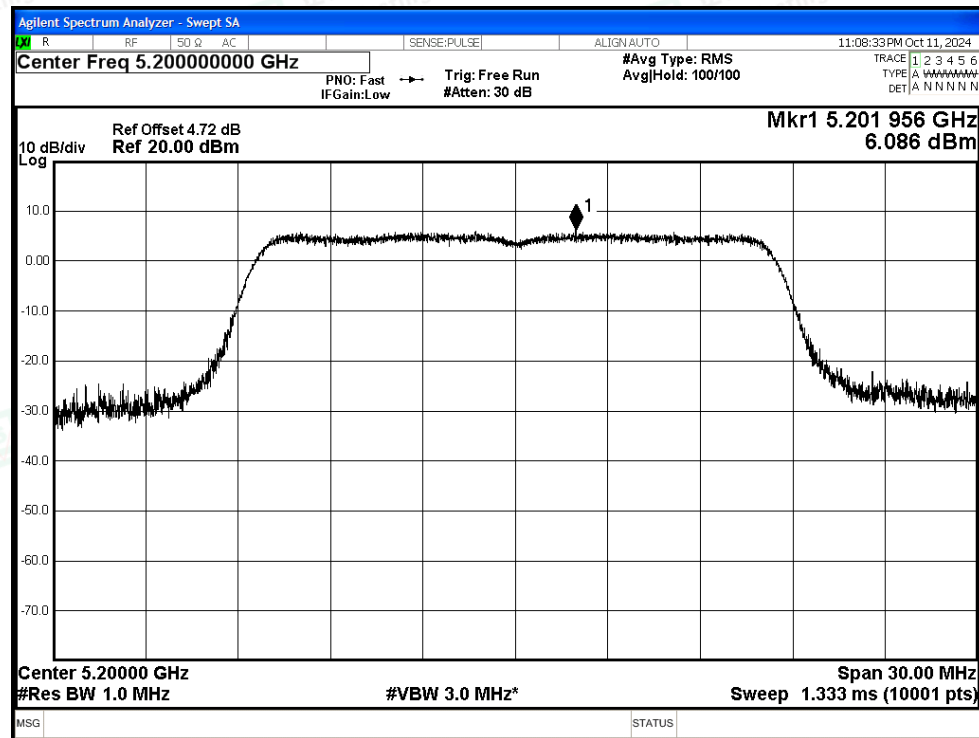


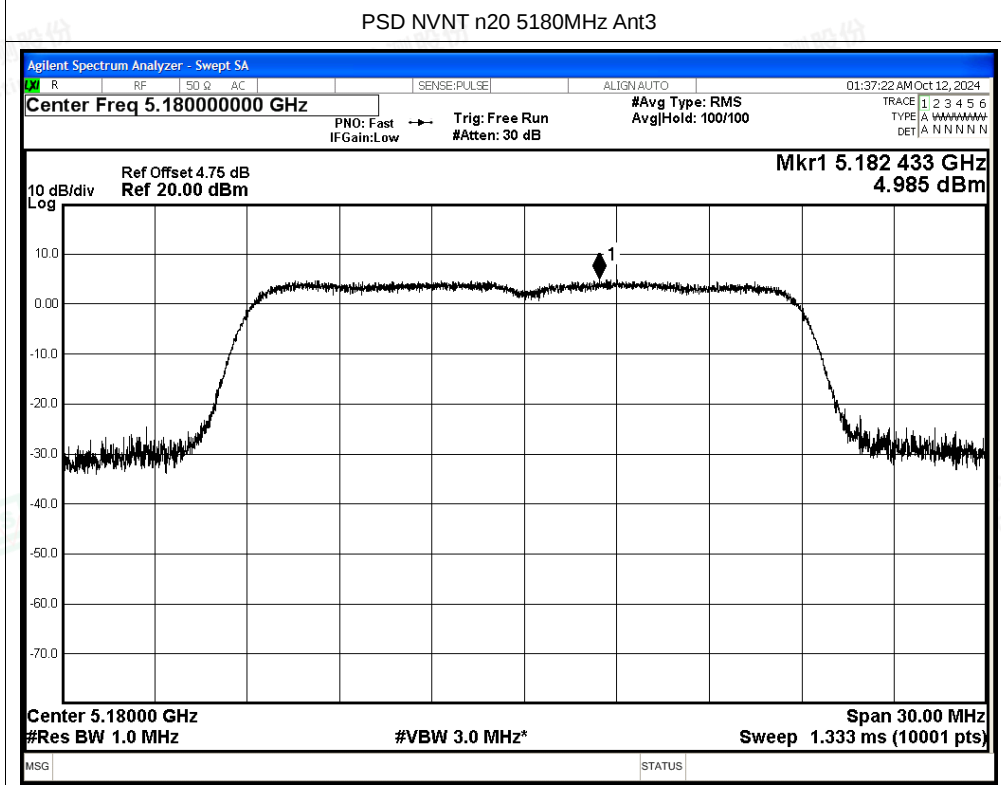
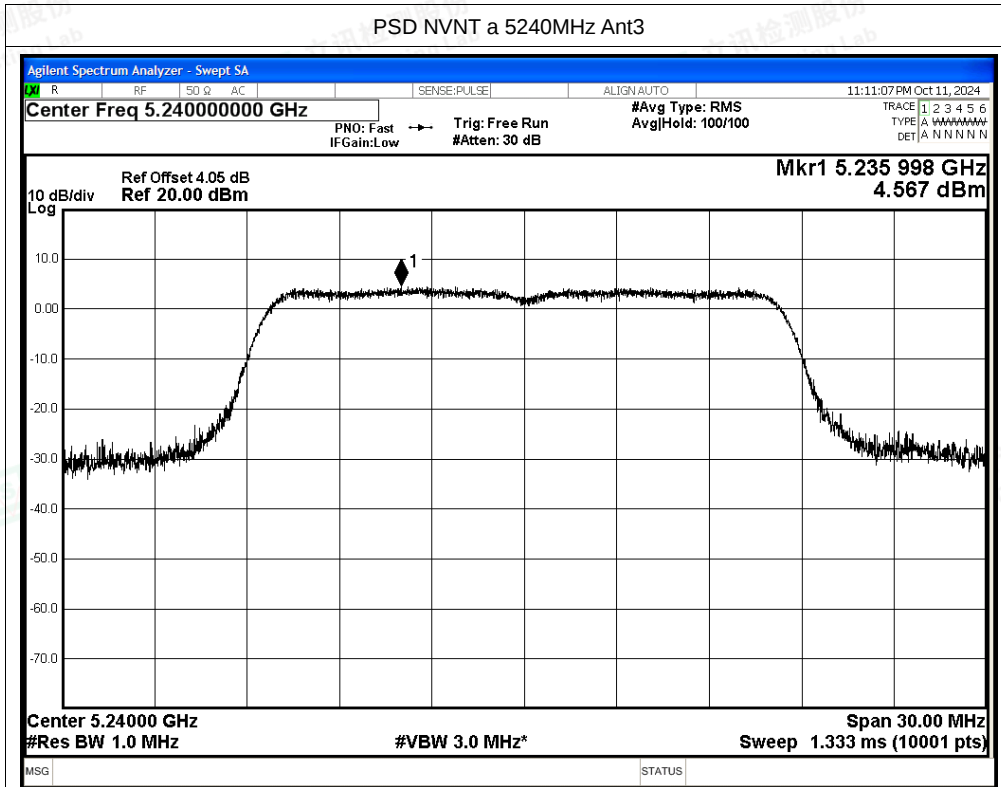
Test Graphs

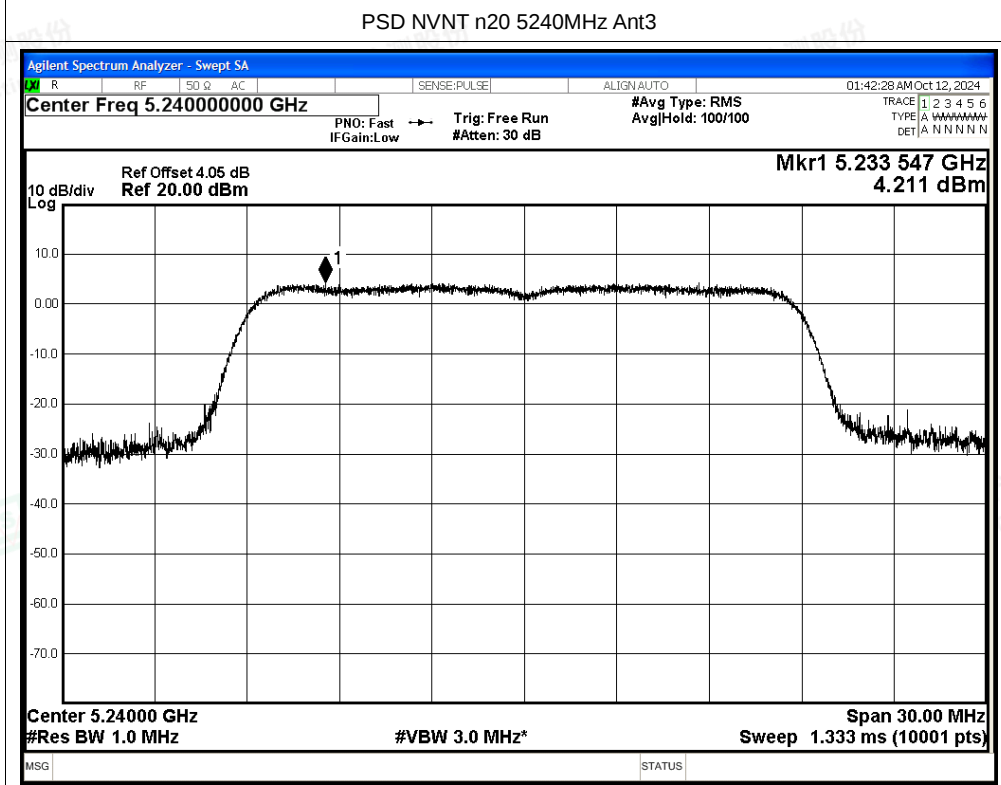
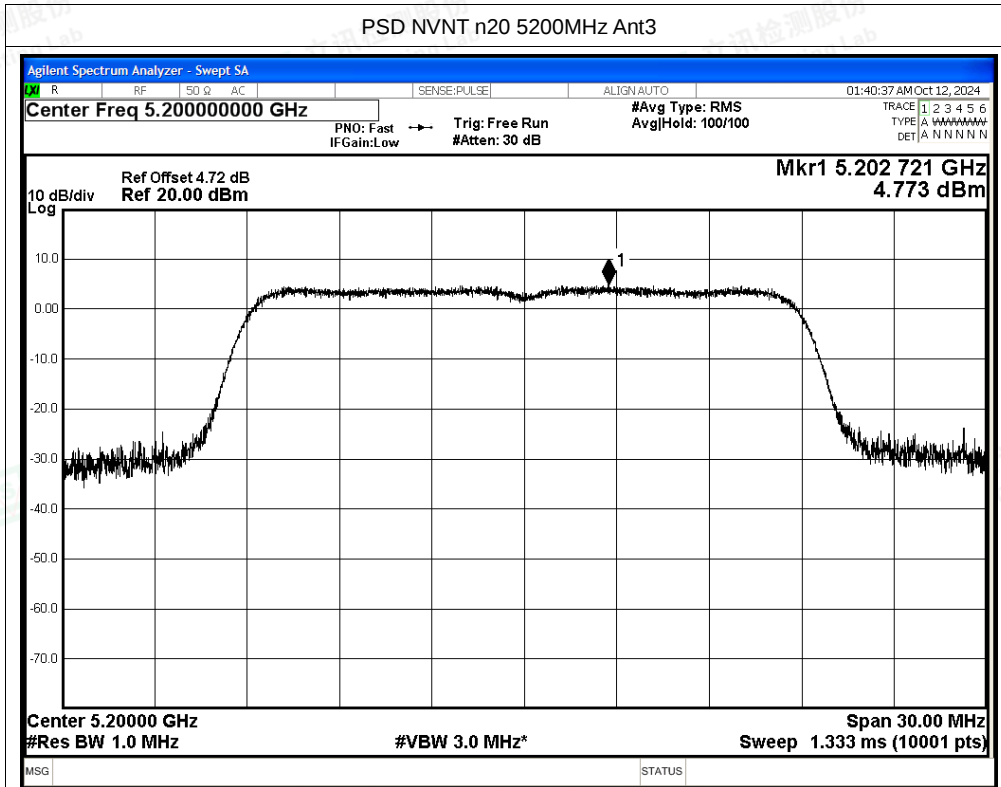
PSD NVNT a 5180MHz Ant3

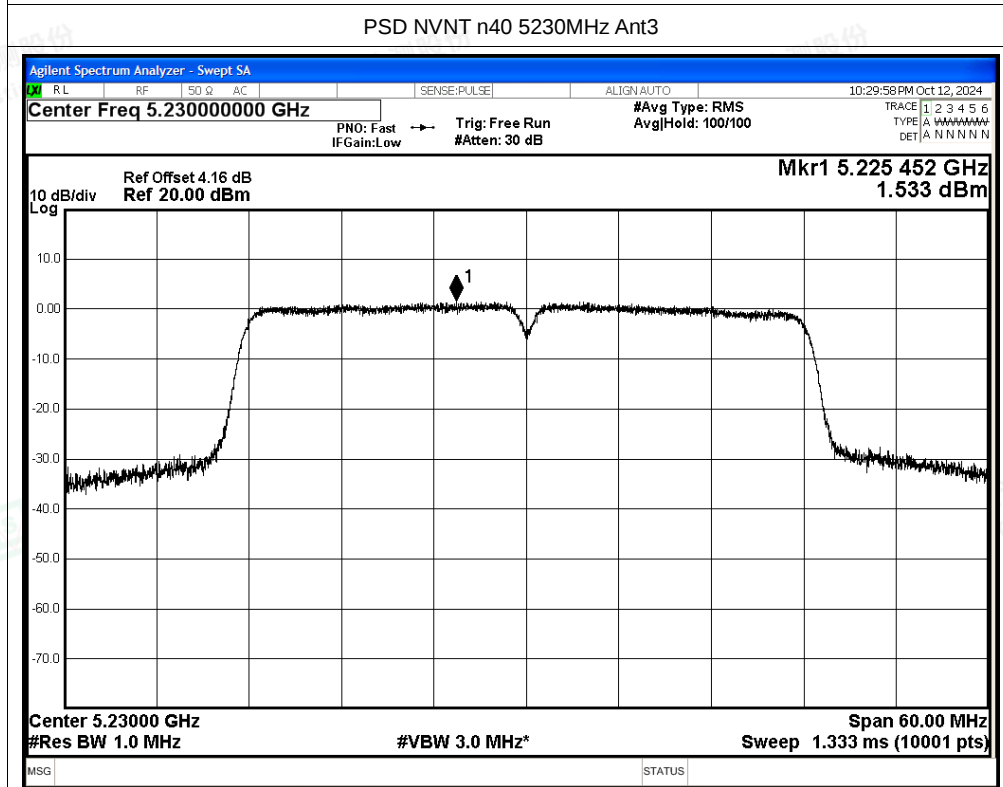
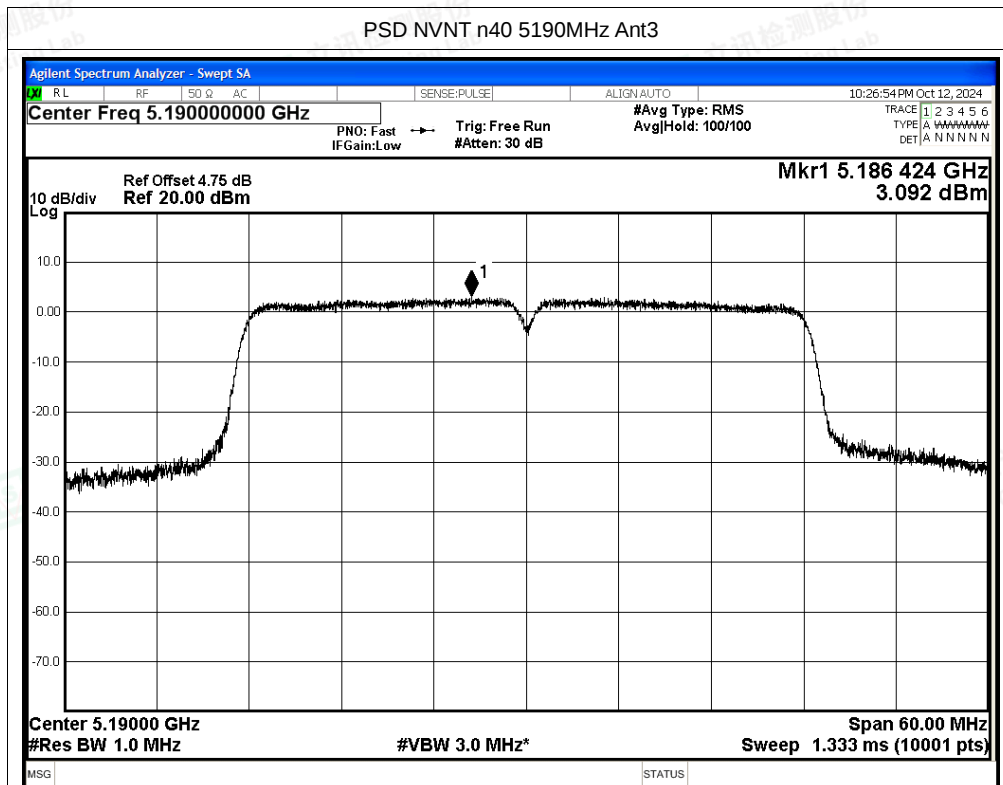


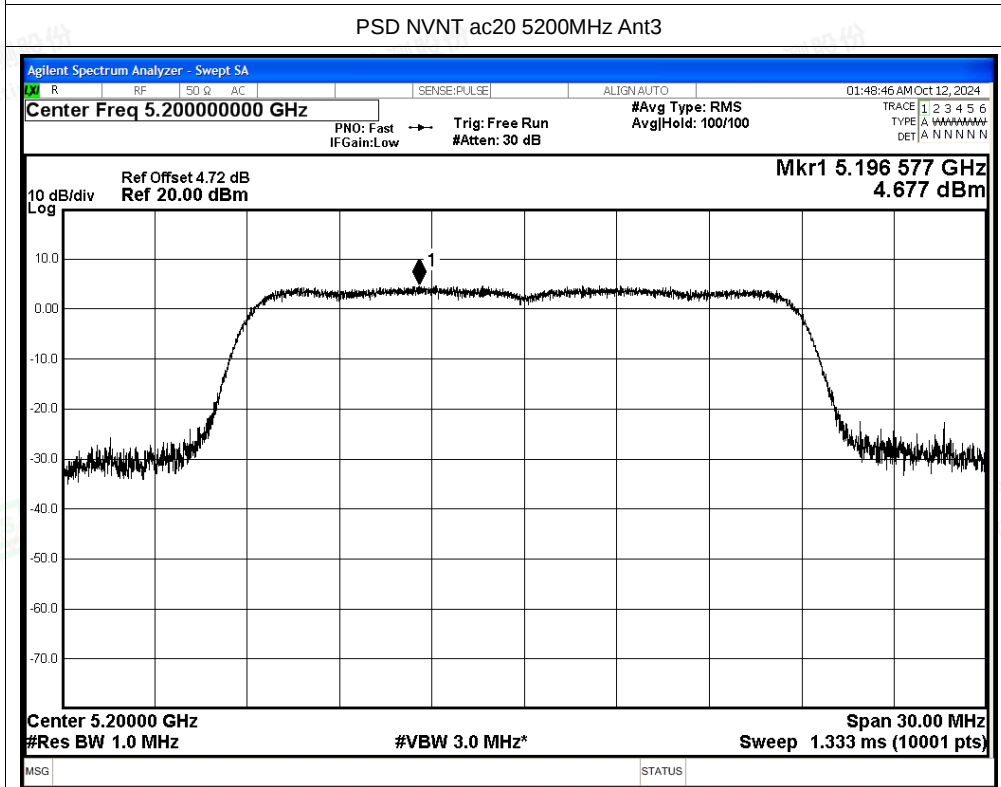
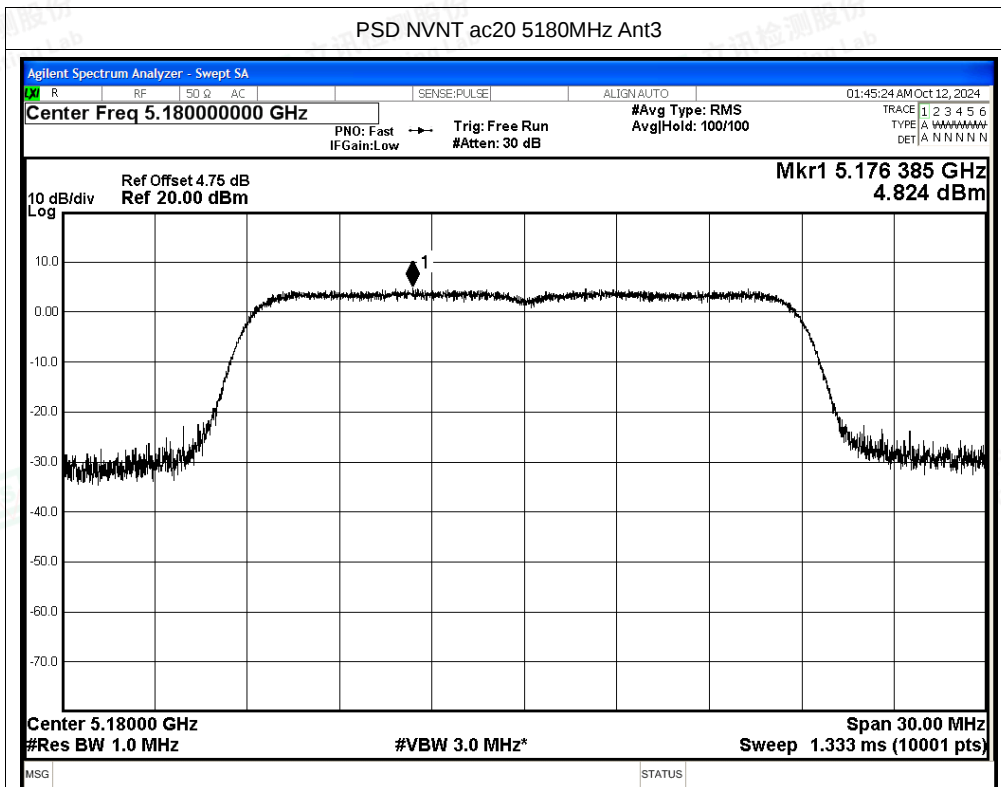
PSD NVNT a 5200MHz Ant3

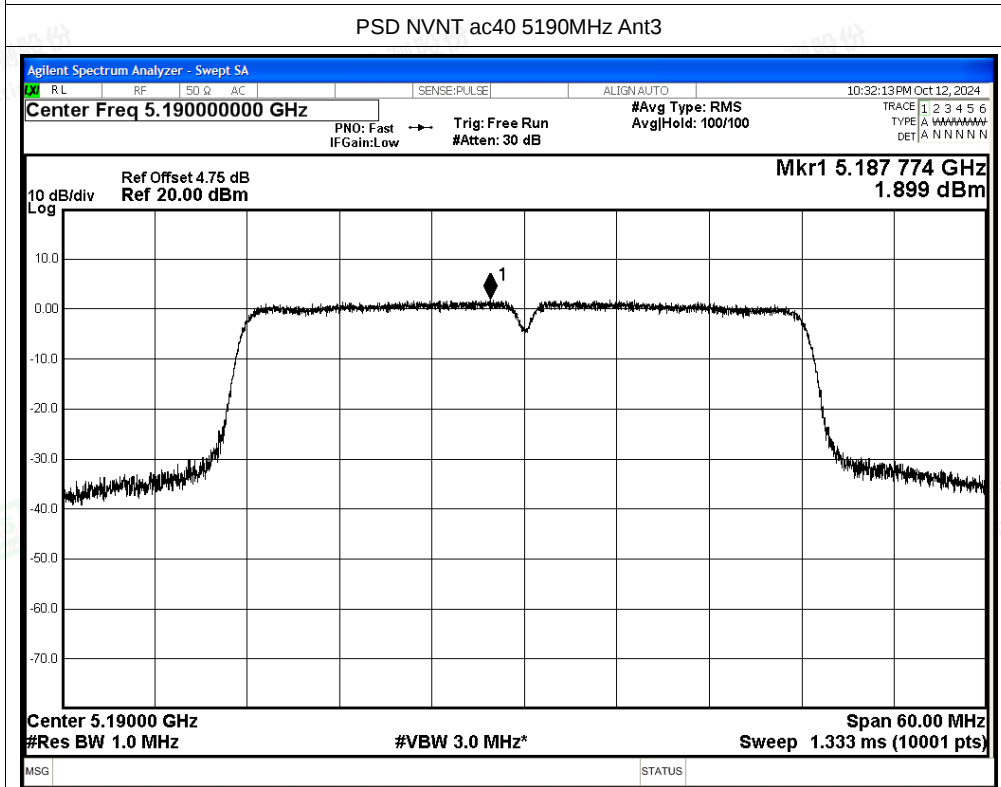
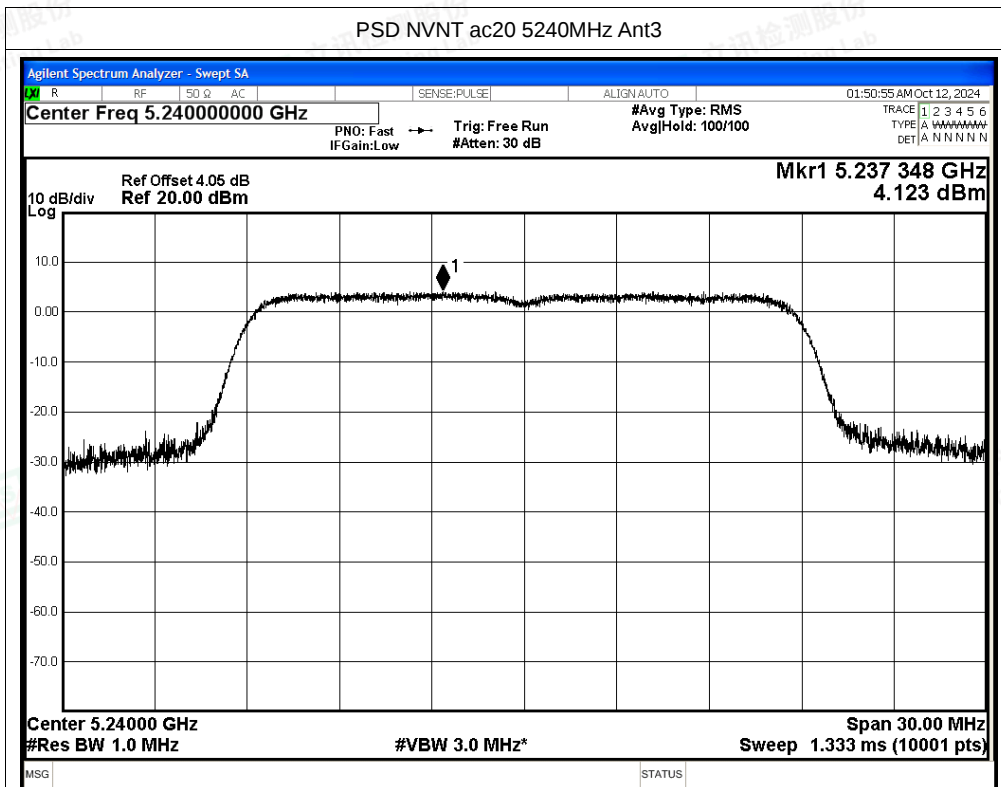


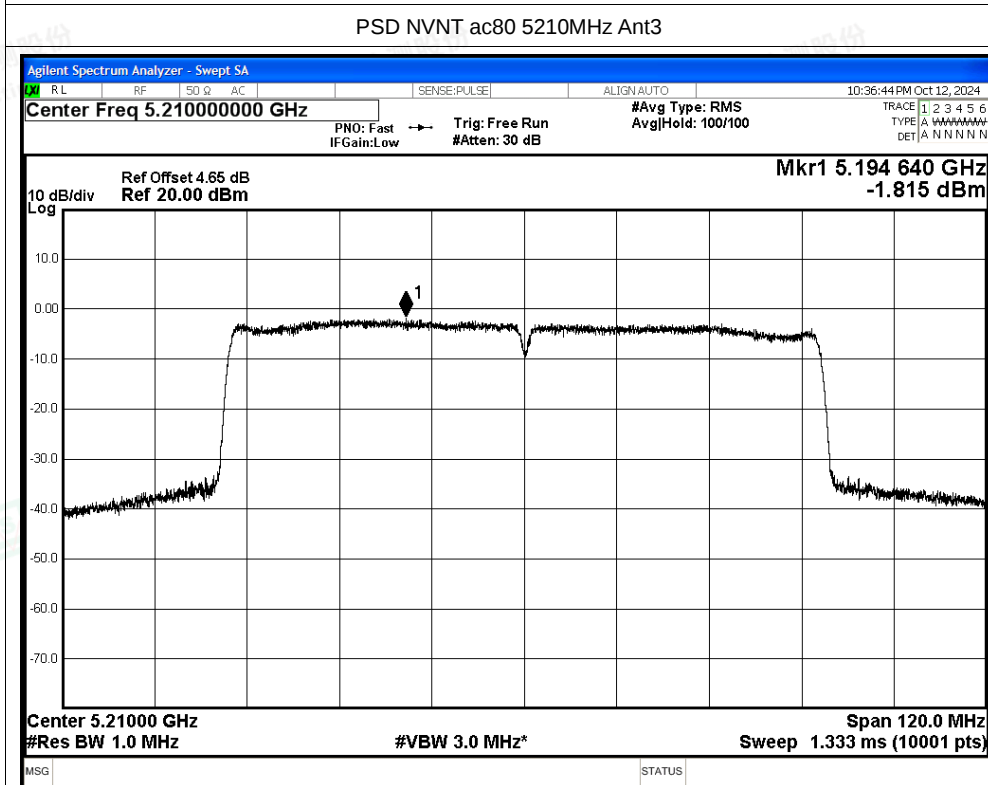
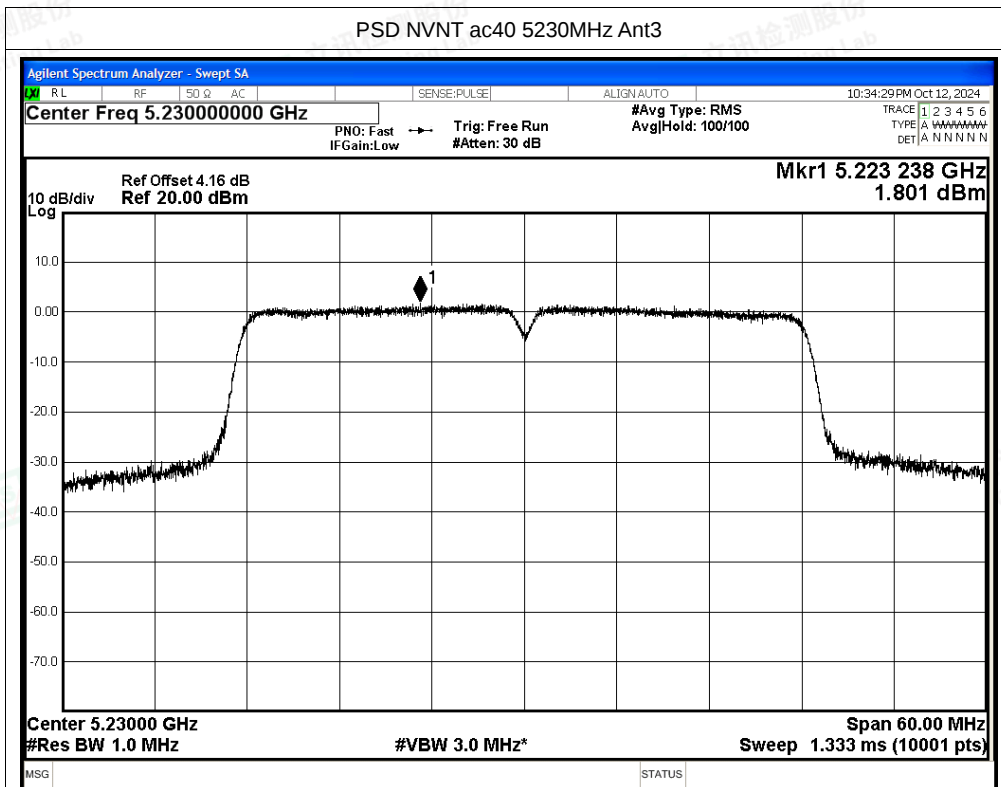






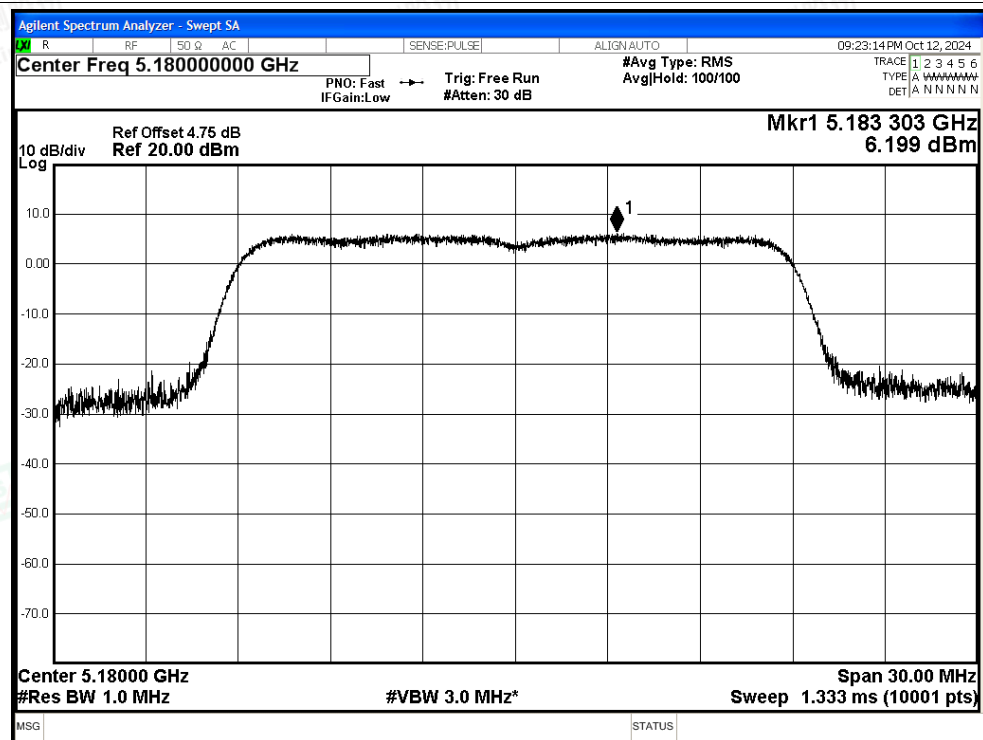




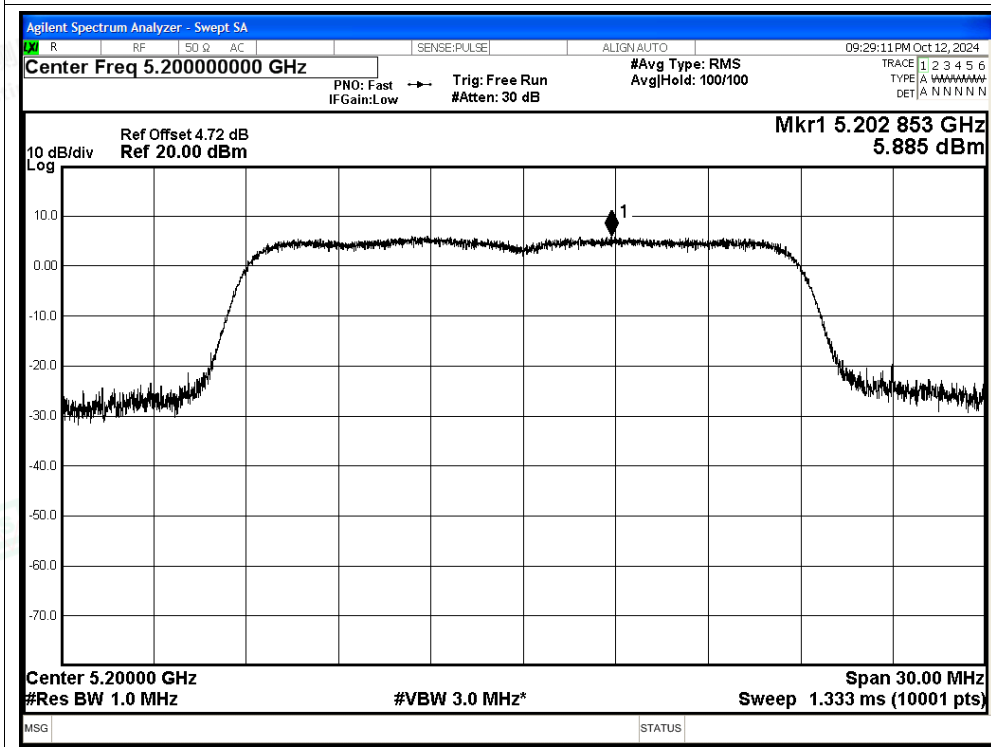


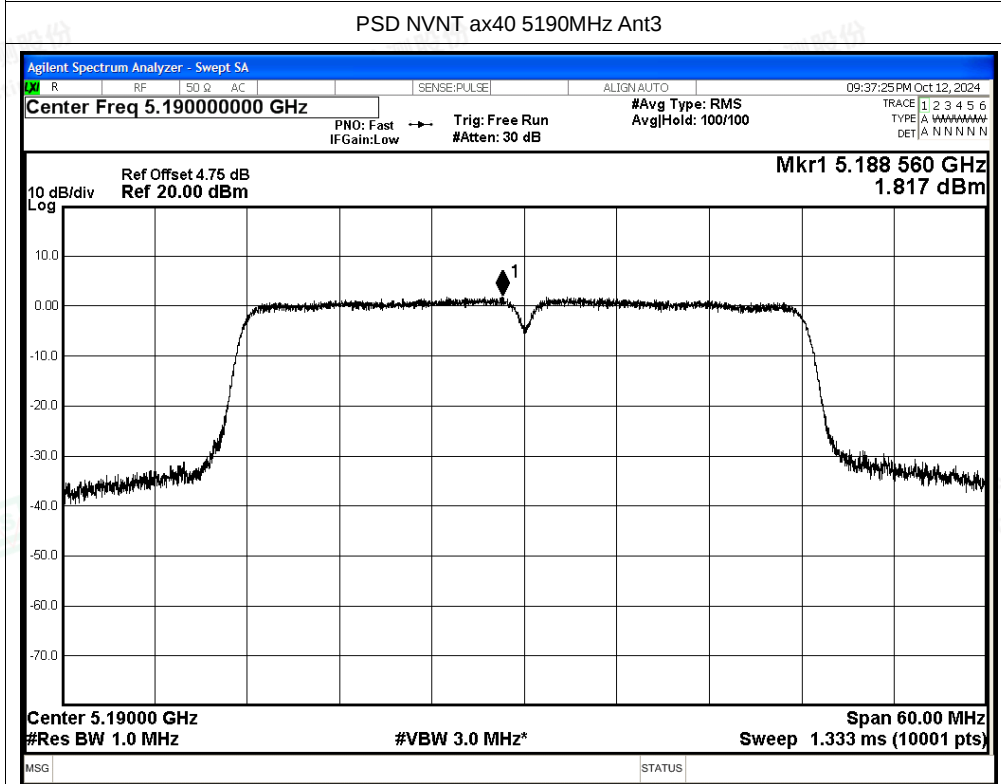
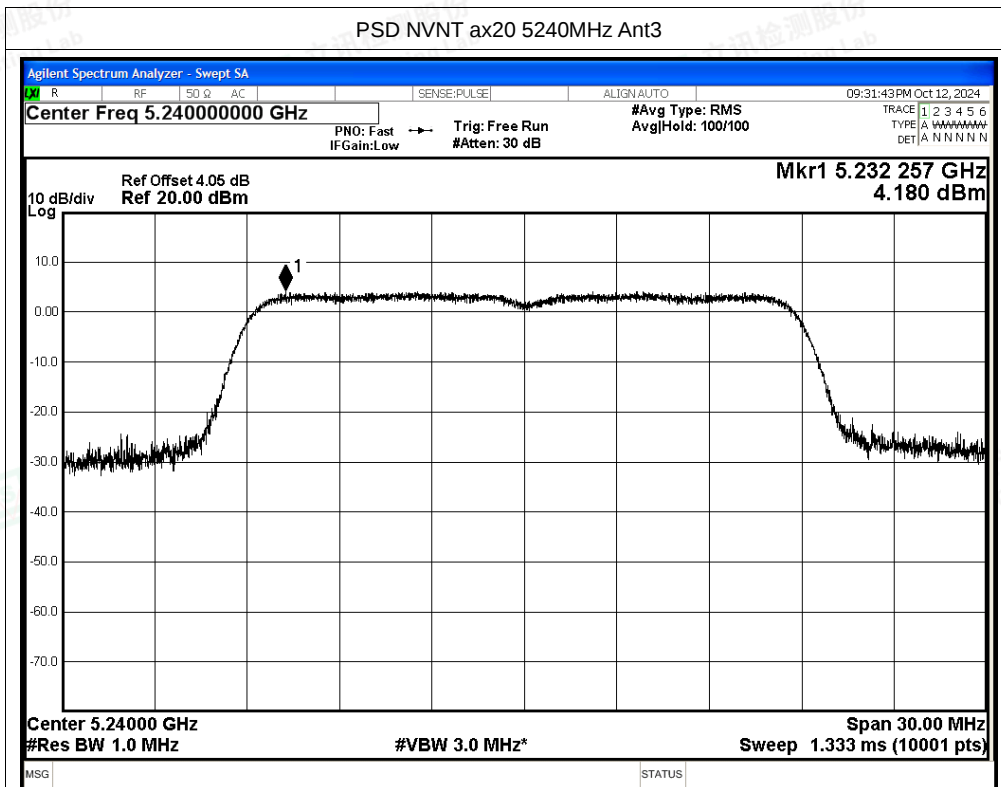
PSD NVNT ax20 5180MHz Ant3

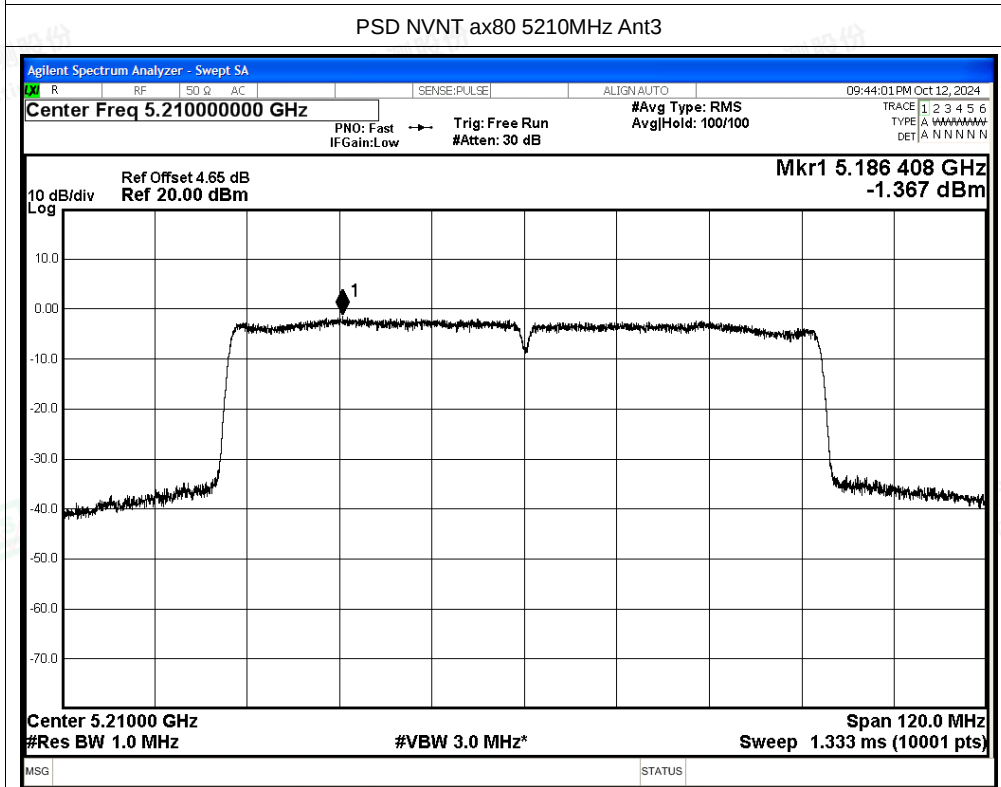
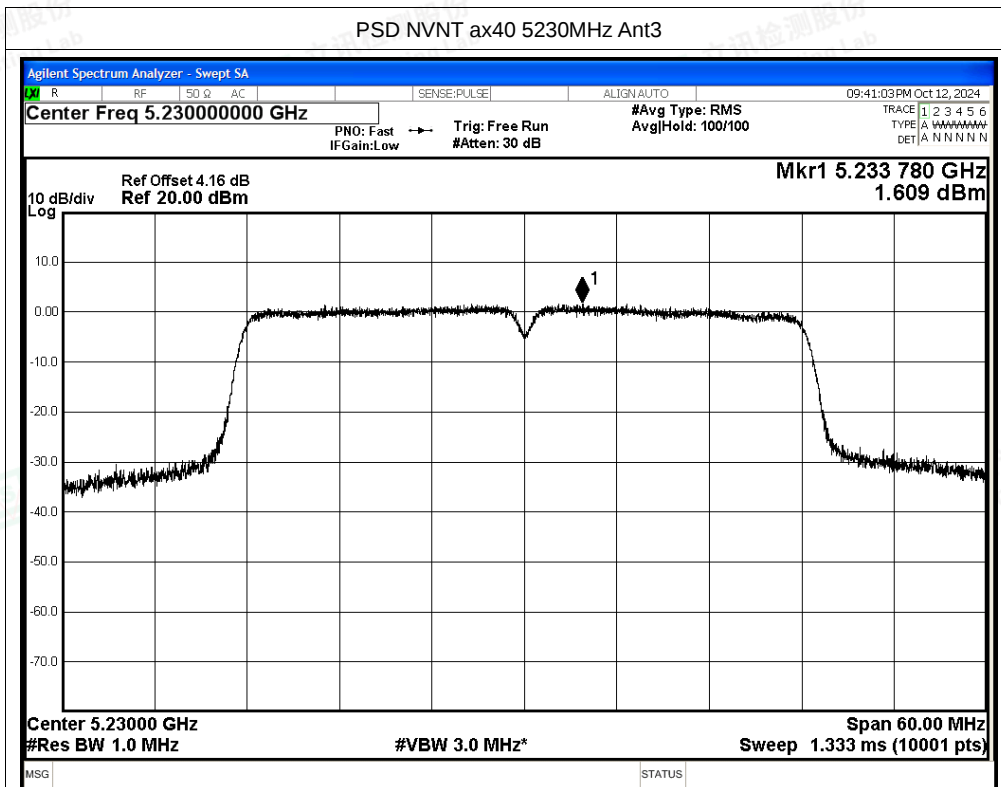




PSD NVNT ax20 5200MHz Ant3



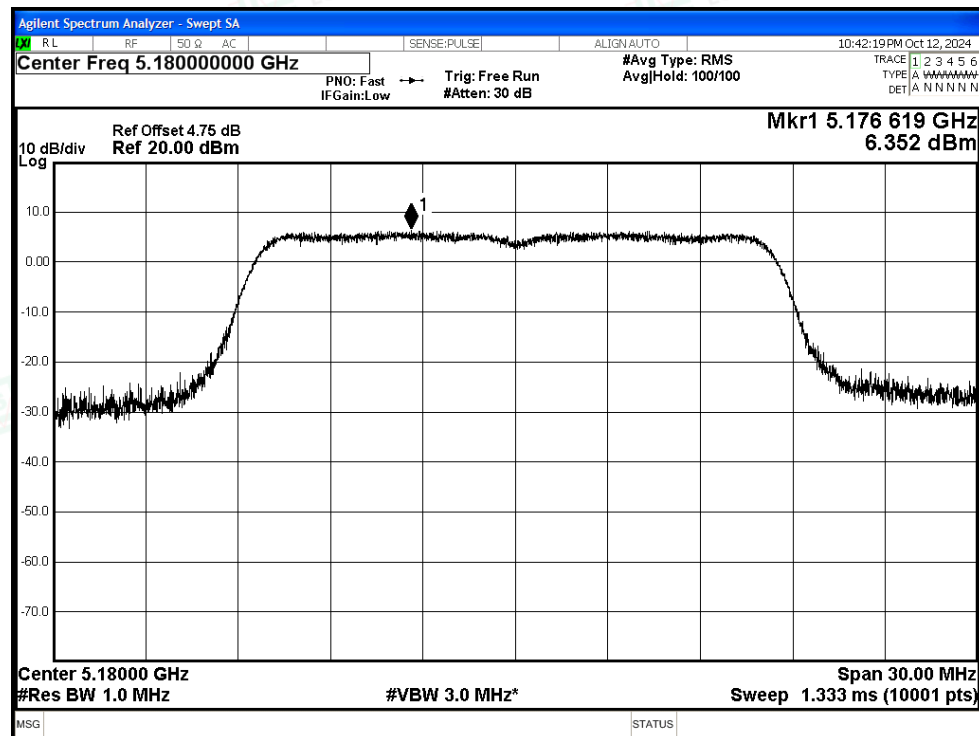




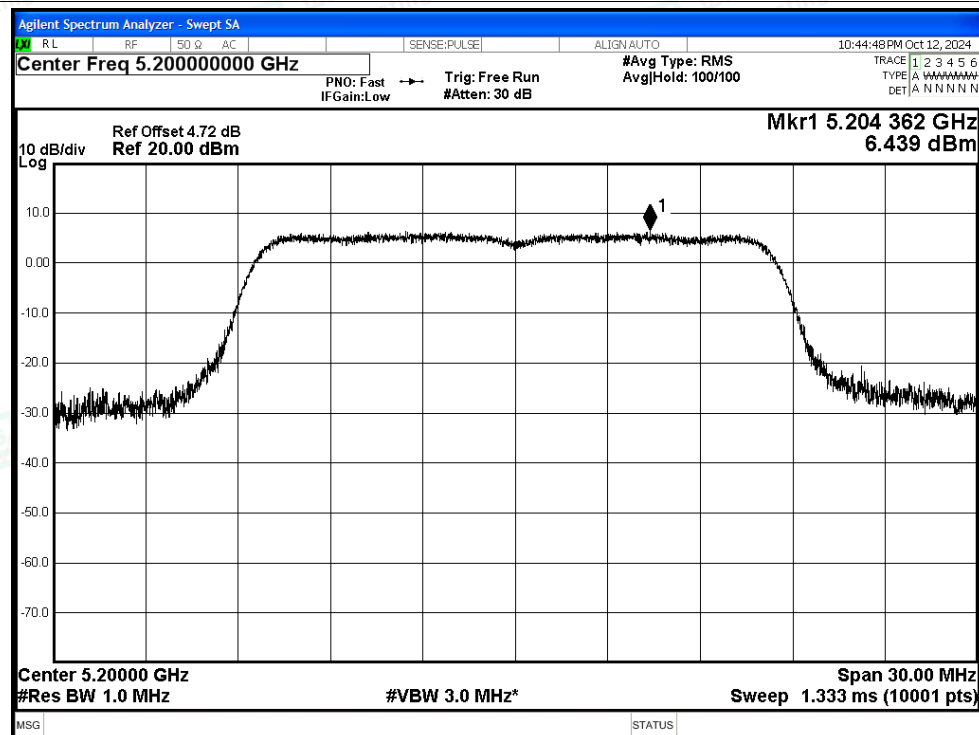


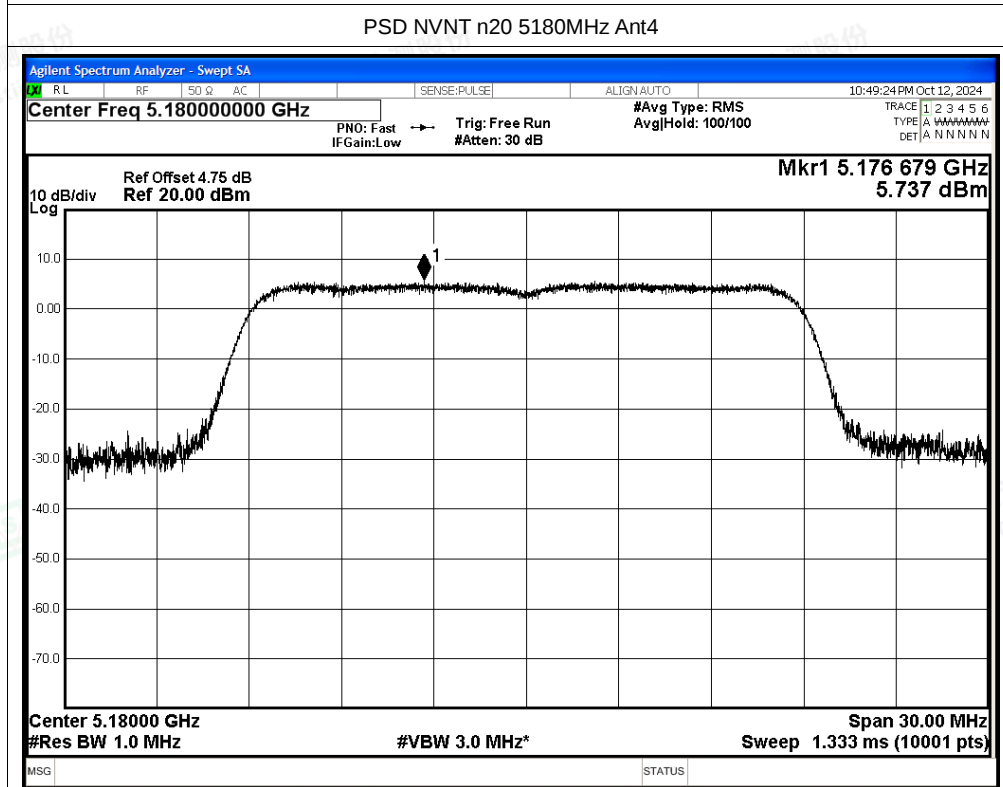
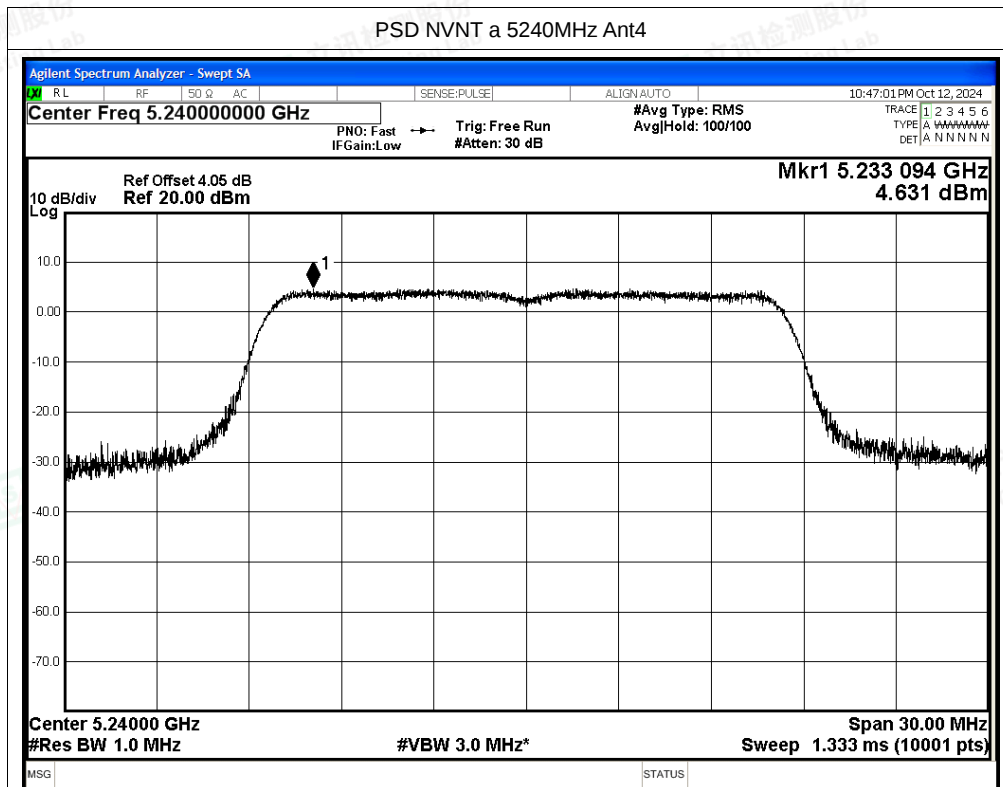
Test Graphs

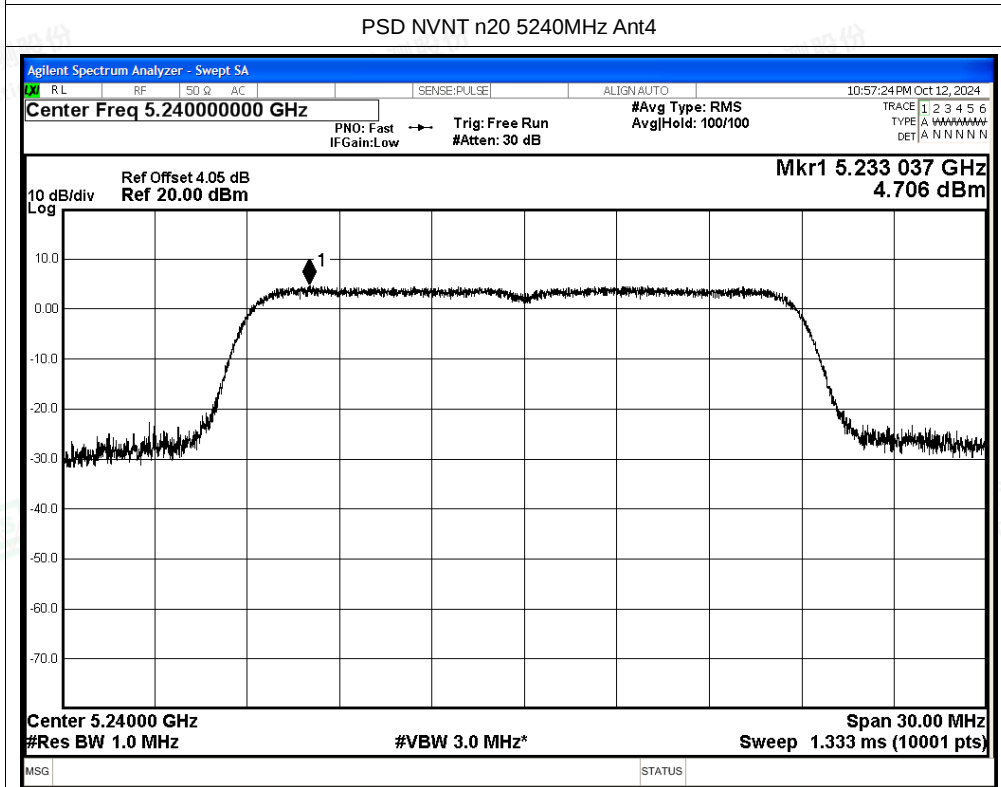
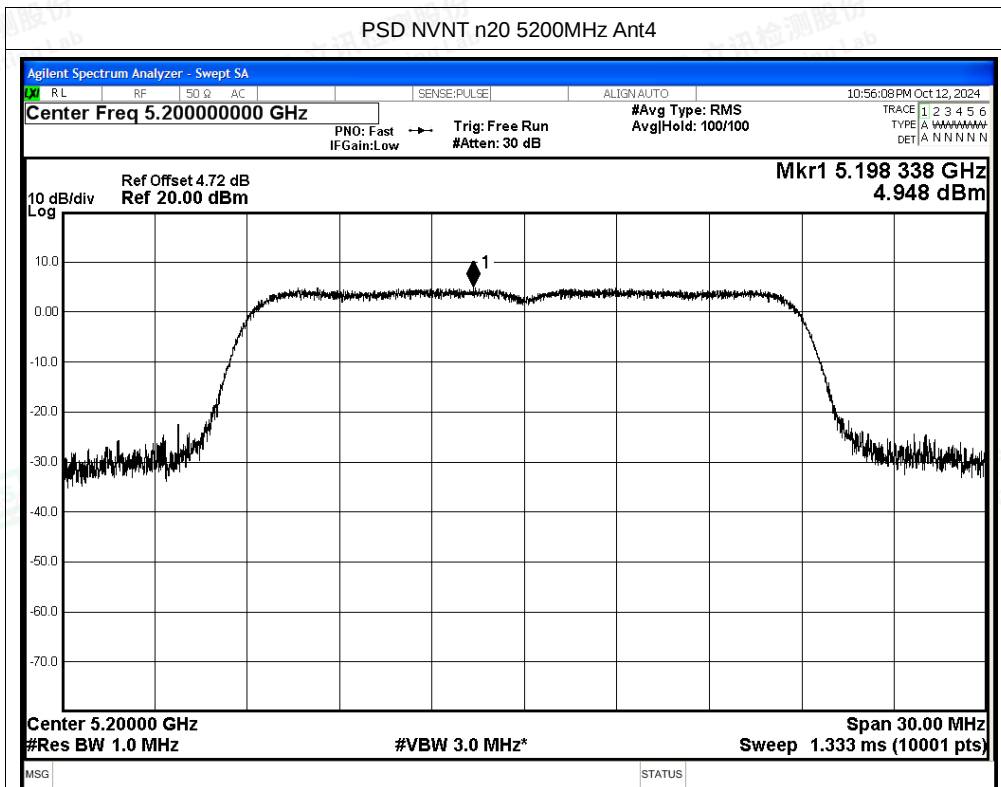
PSD NVNT a 5180MHz Ant4

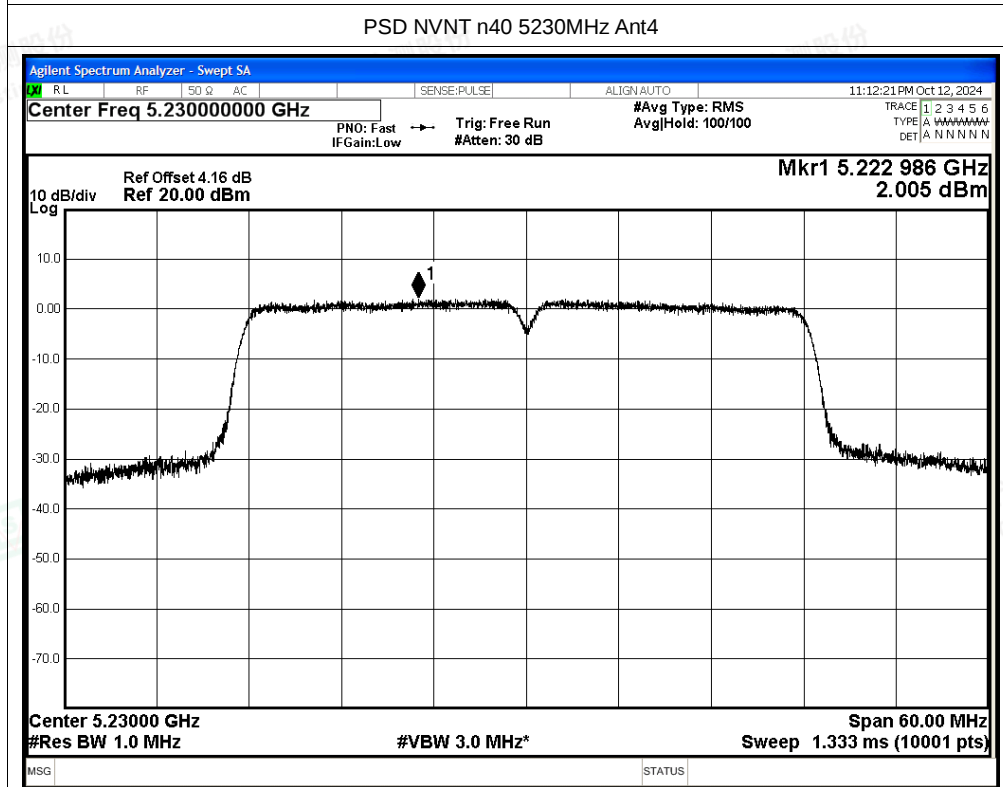
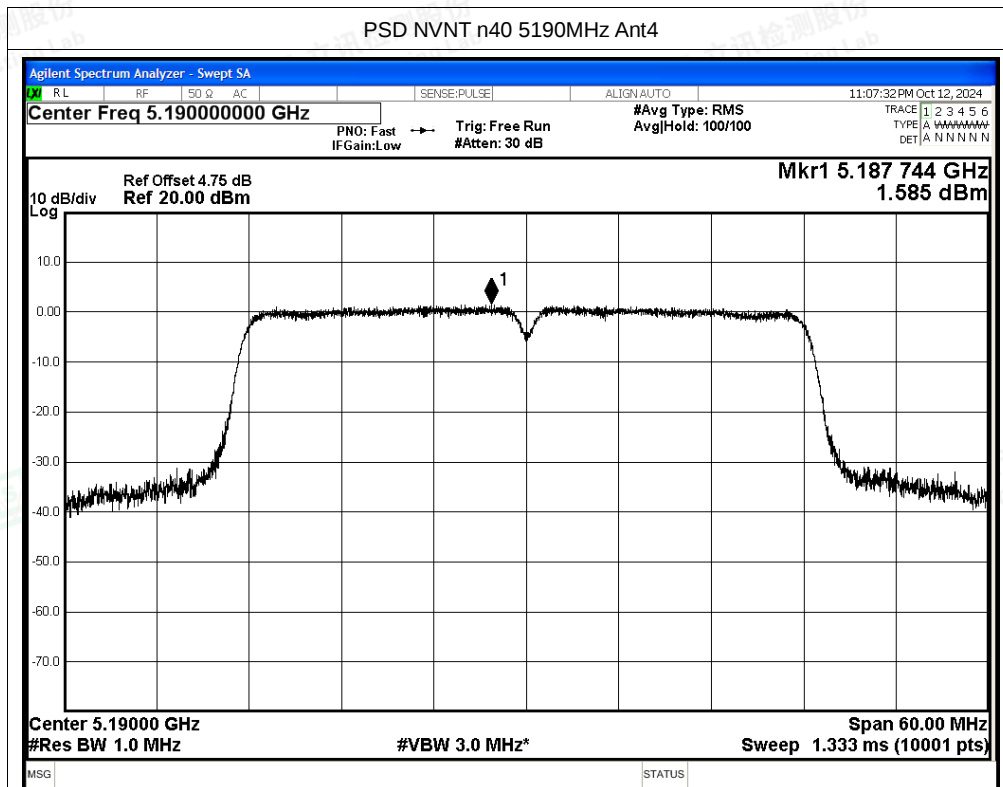


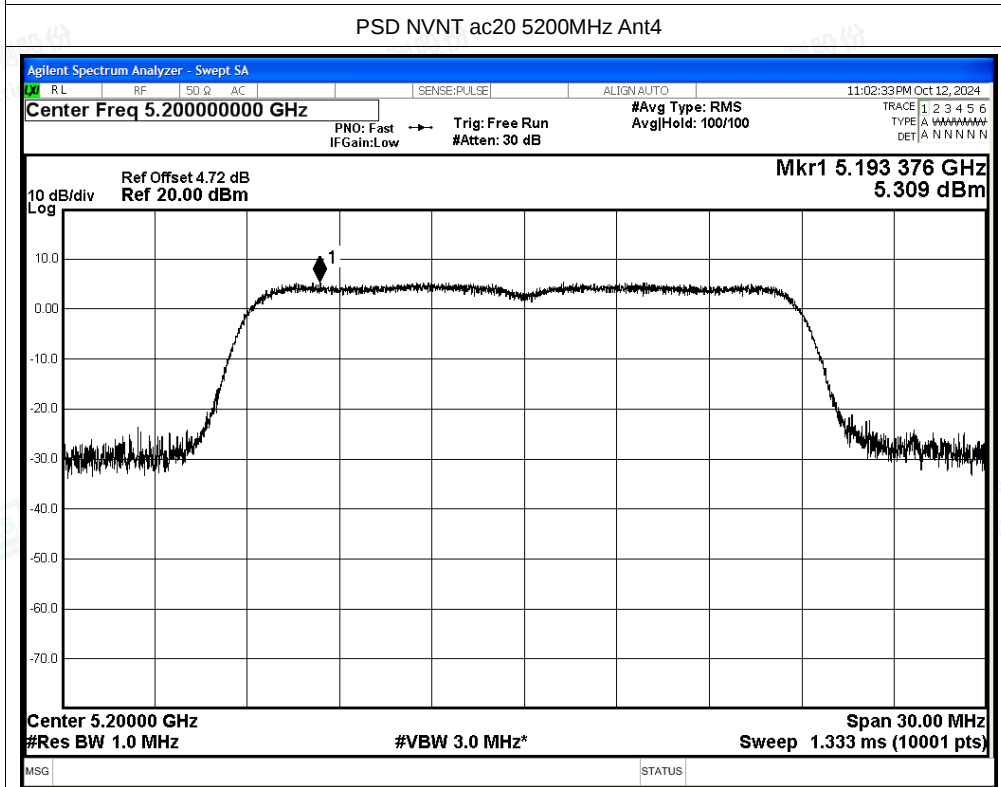
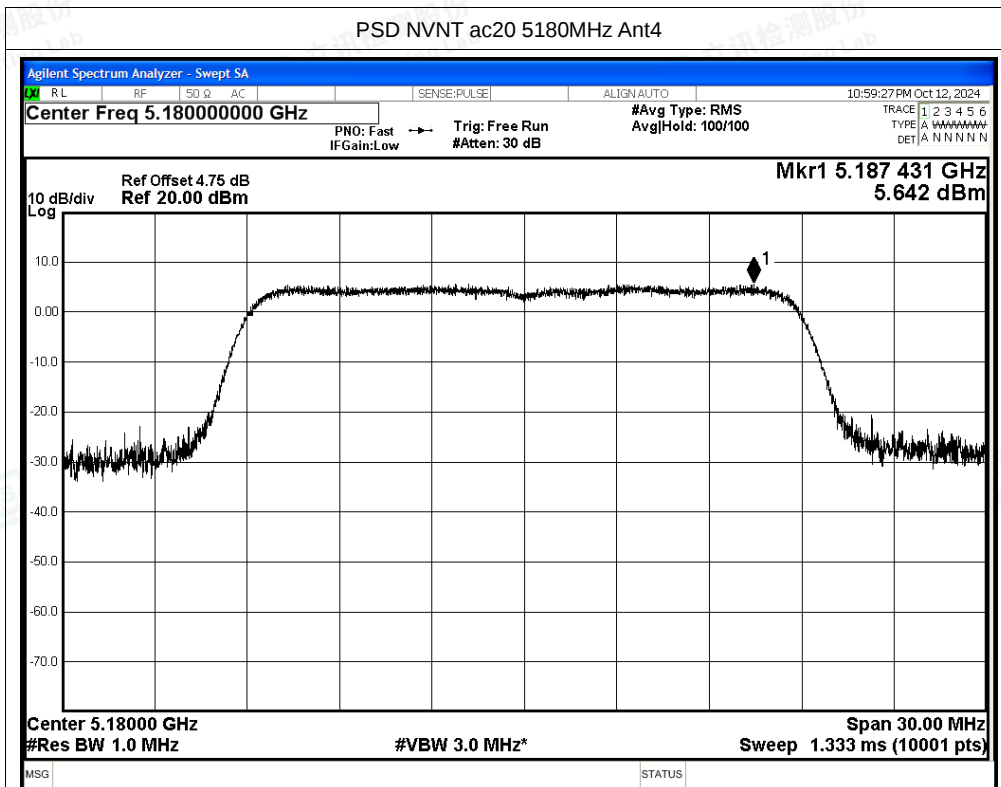
PSD NVNT a 5200MHz Ant4

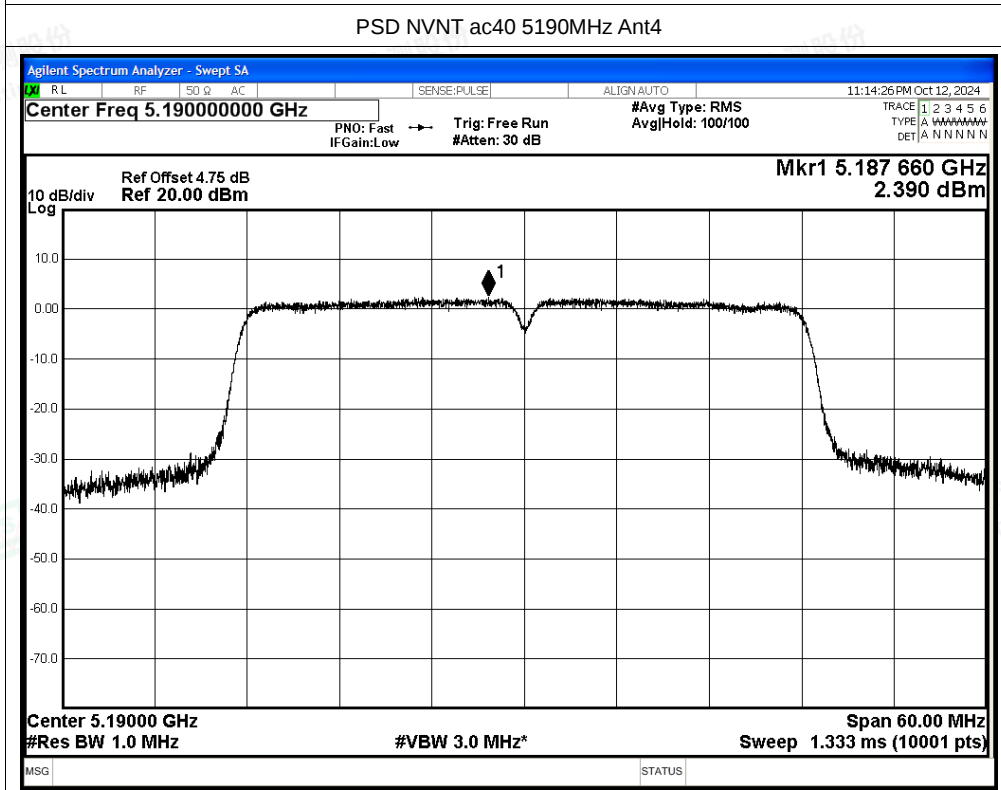
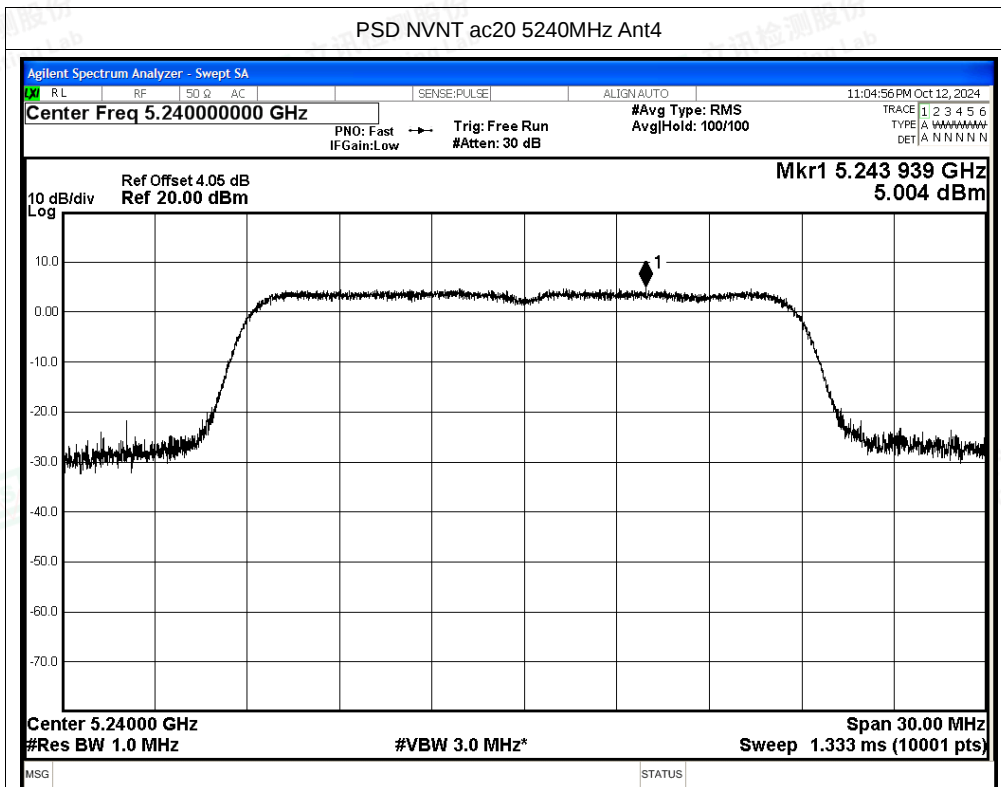


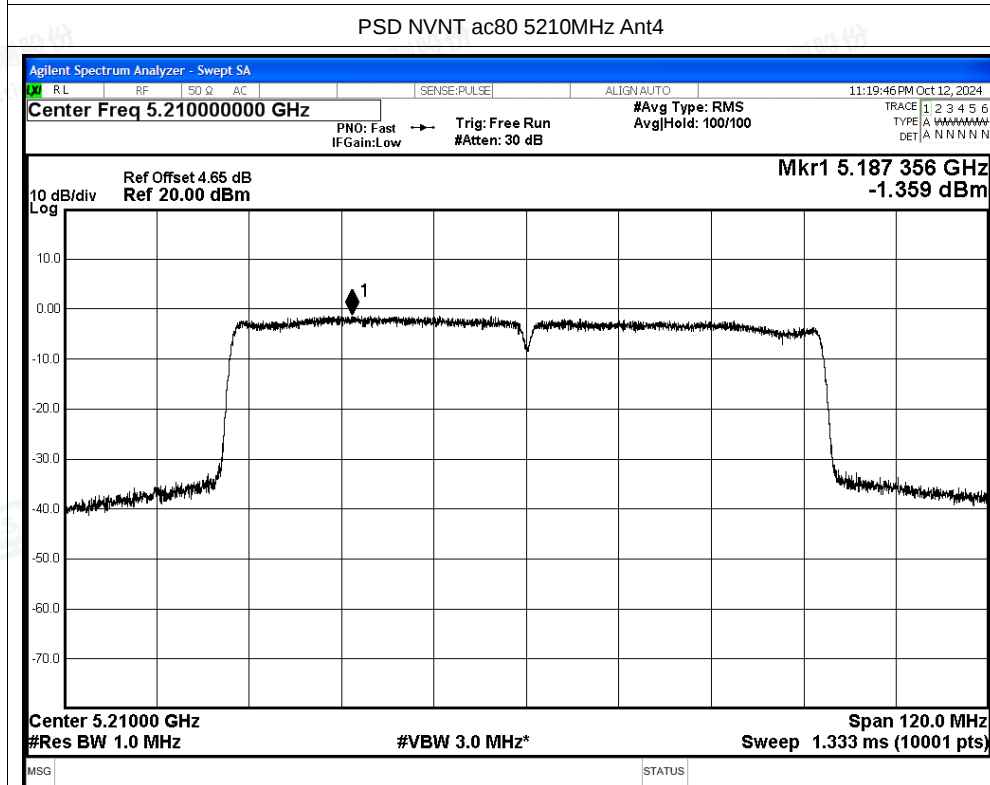
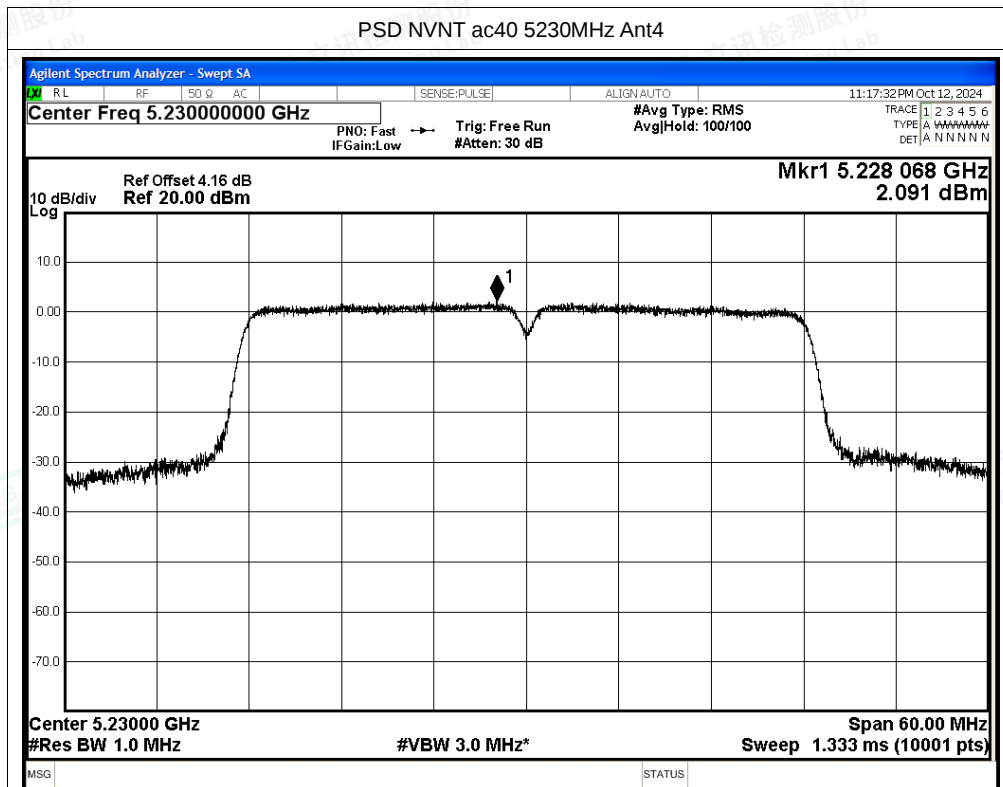






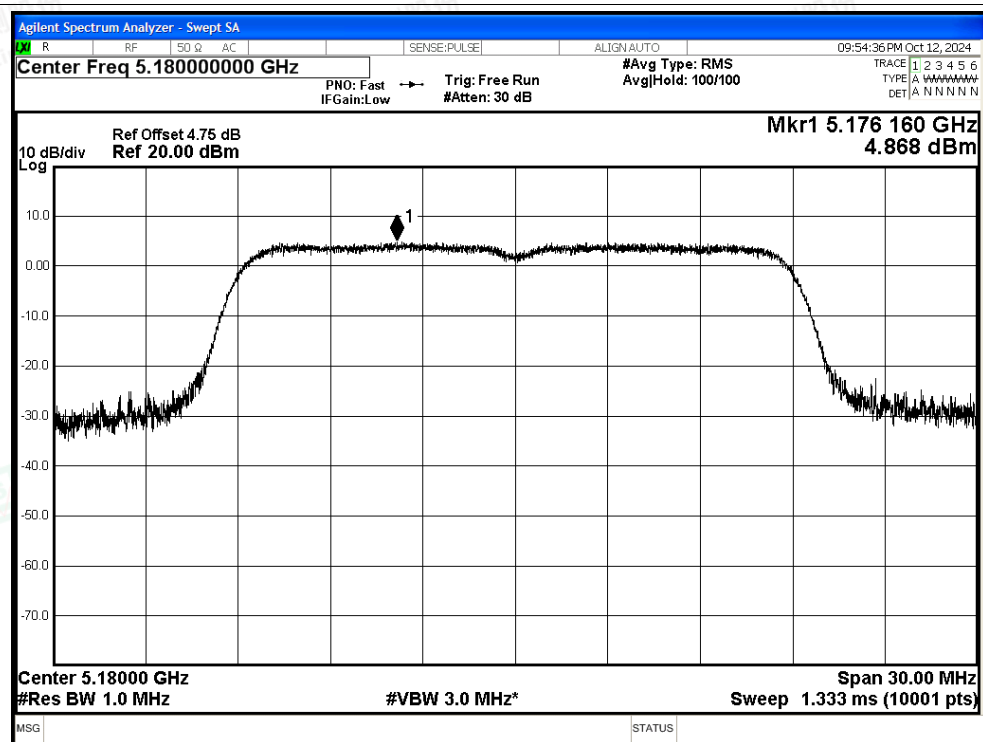




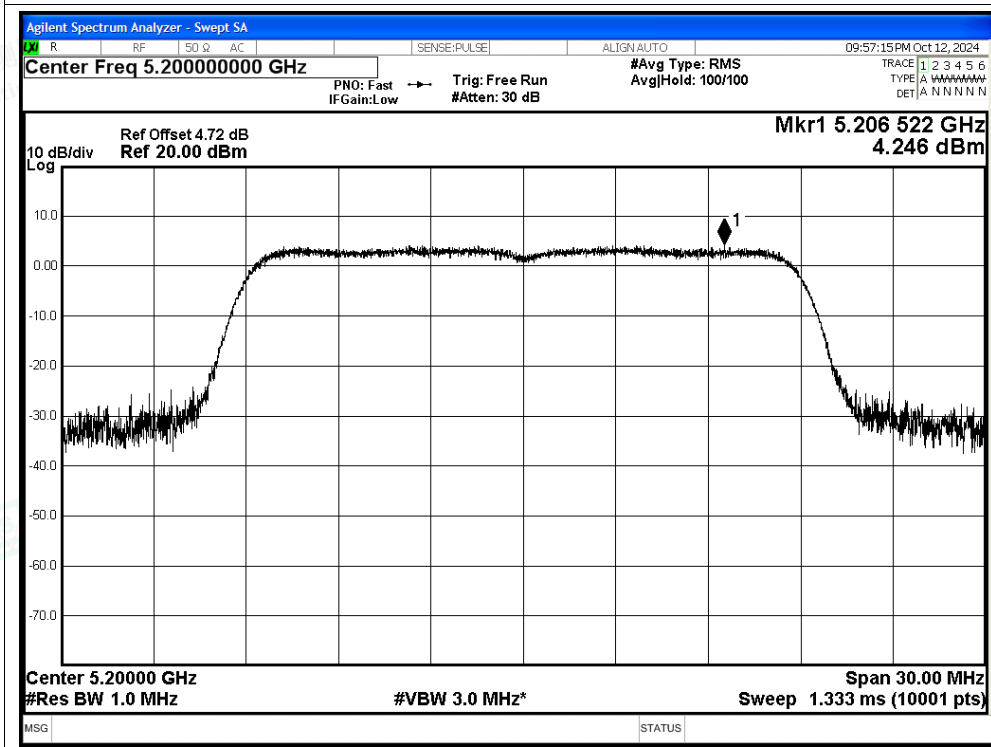


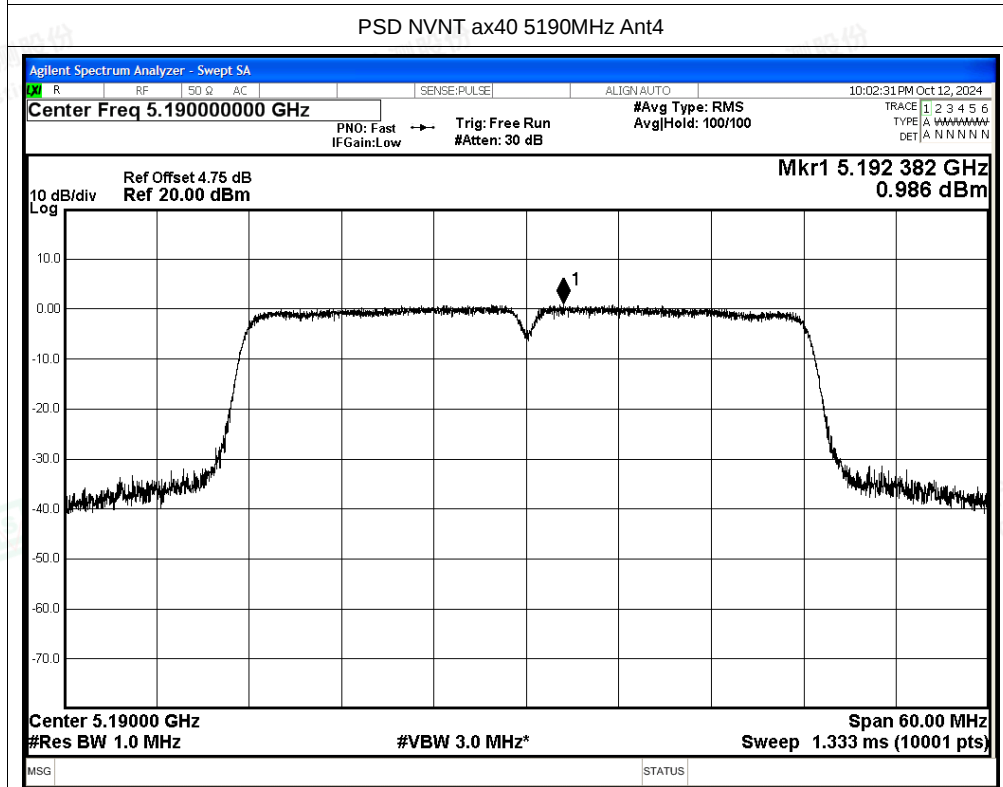
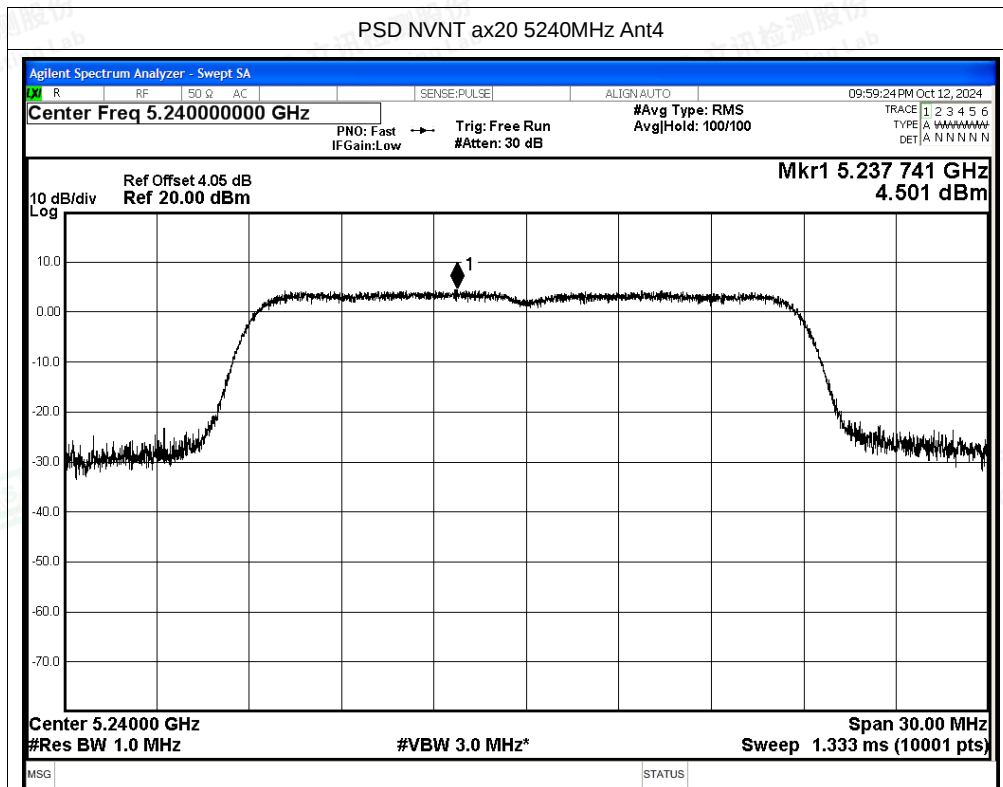
PSD NVNT ax20 5180MHz Ant4

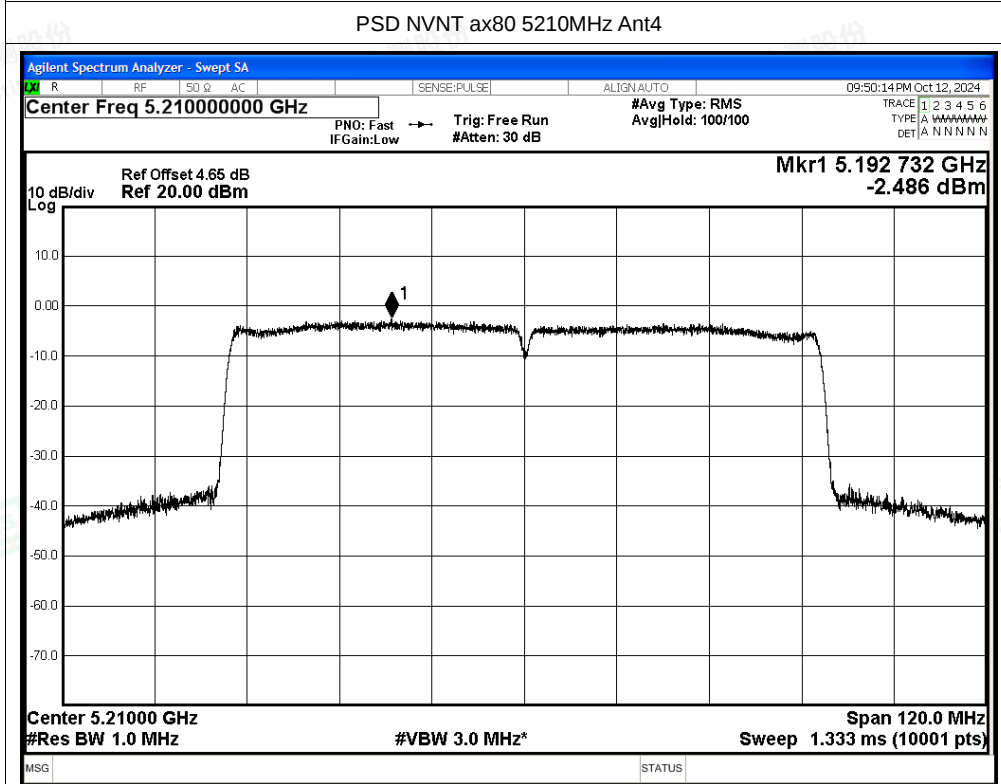
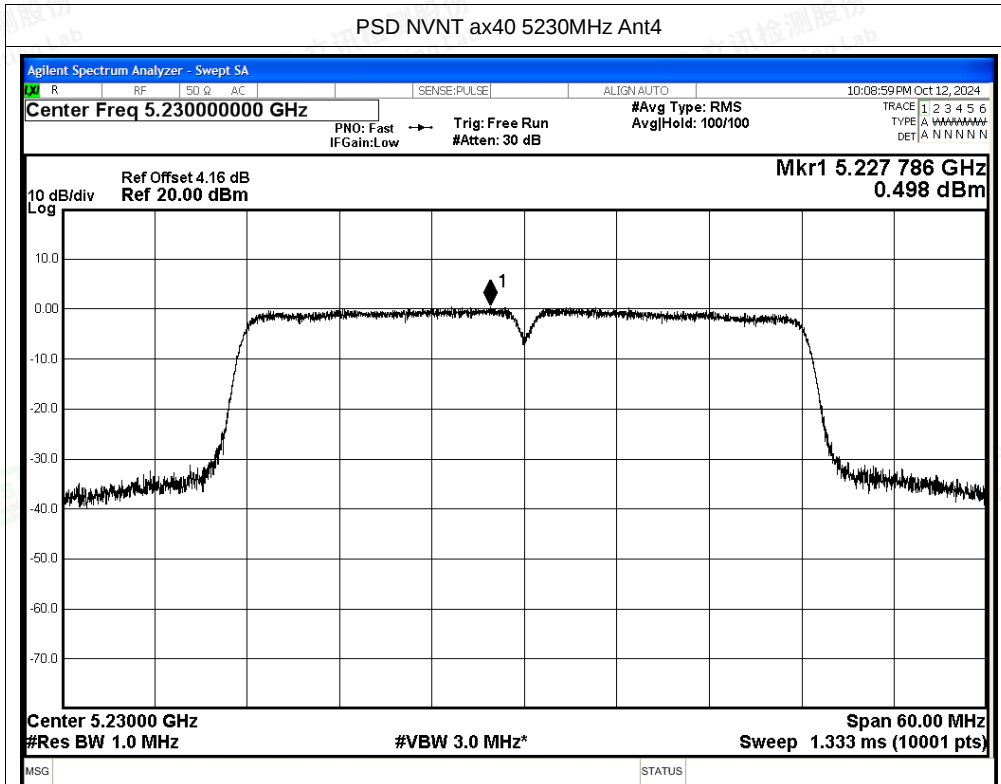




PSD NVNT ax20 5200MHz Ant4









B.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	Ant3	4500	-47.86	5.24	-	52.61	Peak	68.2	Pass
NVNT	a	5180	Ant3	4500	-57.41	5.24	0.24	43.3	Average	54	Pass
NVNT	a	5180	Ant3	5148.9	-42.82	5.24	-	57.65	Peak	68.2	Pass
NVNT	a	5180	Ant3	5148.2	-54.91	5.24	0.24	45.8	Average	54	Pass
NVNT	a	5180	Ant3	5150	-43.95	5.24	-	56.52	Peak	68.2	Pass
NVNT	a	5180	Ant3	5150	-54.97	5.24	0.24	45.74	Average	54	Pass
NVNT	a	5240	Ant3	5350	-47.67	5.24	-	52.8	Peak	68.2	Pass
NVNT	a	5240	Ant3	5350	-56.09	5.24	0.24	44.62	Average	54	Pass
NVNT	a	5240	Ant3	5395.92	-45.65	5.24	-	54.82	Peak	68.2	Pass
NVNT	a	5240	Ant3	5350.56	-55.3	5.24	0.24	45.41	Average	54	Pass
NVNT	a	5240	Ant3	5460	-50.3	5.24	-	50.17	Peak	68.2	Pass
NVNT	a	5240	Ant3	5460	-57.69	5.24	0.24	43.02	Average	54	Pass
NVNT	n20	5180	Ant3	4500	-49.25	5.24	-	51.22	Peak	68.2	Pass
NVNT	n20	5180	Ant3	4500	-57.11	5.24	0.28	43.64	Average	54	Pass
NVNT	n20	5180	Ant3	5149.6	-41.43	5.24	-	59.04	Peak	68.2	Pass
NVNT	n20	5180	Ant3	5148.9	-54.03	5.24	0.28	46.72	Average	54	Pass
NVNT	n20	5180	Ant3	5150	-41.44	5.24	-	59.03	Peak	68.2	Pass
NVNT	n20	5180	Ant3	5150	-53.71	5.24	0.28	47.04	Average	54	Pass
NVNT	n20	5240	Ant3	5350	-49.55	5.24	-	50.92	Peak	68.2	Pass
NVNT	n20	5240	Ant3	5350	-57.31	5.24	0.28	43.44	Average	54	Pass
NVNT	n20	5240	Ant3	5438.4	-45.33	5.24	-	55.14	Peak	68.2	Pass
NVNT	n20	5240	Ant3	5371.2	-56.09	5.24	0.28	44.66	Average	54	Pass
NVNT	n20	5240	Ant3	5460	-48.35	5.24	-	52.12	Peak	68.2	Pass
NVNT	n20	5240	Ant3	5460	-57.31	5.24	0.28	43.44	Average	54	Pass
NVNT	n40	5190	Ant3	4500	-49.82	5.24	-	50.65	Peak	68.2	Pass
NVNT	n40	5190	Ant3	4500	-57.4	5.24	0.12	43.19	Average	54	Pass
NVNT	n40	5190	Ant3	5149.7	-41.28	5.24	-	59.19	Peak	68.2	Pass
NVNT	n40	5190	Ant3	5149.7	-53.71	5.24	0.12	46.88	Average	54	Pass
NVNT	n40	5190	Ant3	5150	-41.28	5.24	-	59.19	Peak	68.2	Pass
NVNT	n40	5190	Ant3	5150	-53.71	5.24	0.12	46.88	Average	54	Pass
NVNT	n40	5230	Ant3	5350	-49.79	5.24	-	50.68	Peak	68.2	Pass
NVNT	n40	5230	Ant3	5350	-55.98	5.24	0.12	44.61	Average	54	Pass
NVNT	n40	5230	Ant3	5372.25	-45.76	5.24	-	54.71	Peak	68.2	Pass
NVNT	n40	5230	Ant3	5350.65	-55.41	5.24	0.12	45.18	Average	54	Pass
NVNT	n40	5230	Ant3	5460	-48.49	5.24	-	51.98	Peak	68.2	Pass
NVNT	n40	5230	Ant3	5460	-57.13	5.24	0.12	43.46	Average	54	Pass





NVNT	ac20	5180	Ant3	4500	-49.1	5.24	-	51.37	Peak	68.2	Pass
NVNT	ac20	5180	Ant3	4500	-57.32	5.24	0.28	43.43	Average	54	Pass
NVNT	ac20	5180	Ant3	5149.6	-43.82	5.24	-	56.65	Peak	68.2	Pass
NVNT	ac20	5180	Ant3	5148.9	-54.36	5.24	0.28	46.39	Average	54	Pass
NVNT	ac20	5180	Ant3	5150	-46	5.24	-	54.47	Peak	68.2	Pass
NVNT	ac20	5180	Ant3	5150	-53.98	5.24	0.28	46.77	Average	54	Pass
NVNT	ac20	5240	Ant3	5350	-48.88	5.24	-	51.59	Peak	68.2	Pass
NVNT	ac20	5240	Ant3	5350	-55.98	5.24	0.28	44.77	Average	54	Pass
NVNT	ac20	5240	Ant3	5435.52	-45.31	5.24	-	55.16	Peak	68.2	Pass
NVNT	ac20	5240	Ant3	5350.8	-55.06	5.24	0.28	45.69	Average	54	Pass
NVNT	ac20	5240	Ant3	5460	-49.16	5.24	-	51.31	Peak	68.2	Pass
NVNT	ac20	5240	Ant3	5460	-56.99	5.24	0.28	43.76	Average	54	Pass
NVNT	ac40	5190	Ant3	4500	-49	5.24	-	51.47	Peak	68.2	Pass
NVNT	ac40	5190	Ant3	4500	-57.55	5.24	0.12	43.04	Average	54	Pass
NVNT	ac40	5190	Ant3	5148.24	-40.51	5.24	-	59.96	Peak	68.2	Pass
NVNT	ac40	5190	Ant3	5149.7	-53.66	5.24	0.12	46.93	Average	54	Pass
NVNT	ac40	5190	Ant3	5150	-43.41	5.24	-	57.06	Peak	68.2	Pass
NVNT	ac40	5190	Ant3	5150	-53.66	5.24	0.12	46.93	Average	54	Pass
NVNT	ac40	5230	Ant3	5350	-46.52	5.24	-	53.95	Peak	68.2	Pass
NVNT	ac40	5230	Ant3	5350	-55.35	5.24	0.12	45.24	Average	54	Pass
NVNT	ac40	5230	Ant3	5403.84	-45.55	5.24	-	54.92	Peak	68.2	Pass
NVNT	ac40	5230	Ant3	5350.11	-55.35	5.24	0.12	45.24	Average	54	Pass
NVNT	ac40	5230	Ant3	5460	-48.82	5.24	-	51.65	Peak	68.2	Pass
NVNT	ac40	5230	Ant3	5460	-56.85	5.24	0.12	43.74	Average	54	Pass
NVNT	ac80	5210	Ant3	5350	-46.19	5.24	-	54.28	Peak	68.2	Pass
NVNT	ac80	5210	Ant3	5350	-56.49	5.24	0.25	44.23	Average	54	Pass
NVNT	ac80	5210	Ant3	5450.43	-45.75	5.24	-	54.72	Peak	68.2	Pass
NVNT	ac80	5210	Ant3	5384.1	-55.65	5.24	0.25	45.07	Average	54	Pass
NVNT	ac80	5210	Ant3	5460	-48.28	5.24	-	52.19	Peak	68.2	Pass
NVNT	ac80	5210	Ant3	5460	-56.59	5.24	0.25	44.13	Average	54	Pass
NVNT	ac80	5210	Ant3	4500	-48.3	5.24	-	52.17	Peak	68.2	Pass
NVNT	ac80	5210	Ant3	4500	-57.39	5.24	0.25	43.33	Average	54	Pass
NVNT	ac80	5210	Ant3	5149.38	-42.17	5.24	-	58.3	Peak	68.2	Pass
NVNT	ac80	5210	Ant3	5149.38	-52.4	5.24	0.25	48.32	Average	54	Pass
NVNT	ac80	5210	Ant3	5150	-42.63	5.24	-	57.84	Peak	68.2	Pass
NVNT	ac80	5210	Ant3	5150	-53.11	5.24	0.25	47.61	Average	54	Pass
NVNT	ax20	5180	Ant3	4500	-48.36	5.24	-	52.11	Peak	68.2	Pass
NVNT	ax20	5180	Ant3	4500	-57.69	5.24	0.28	43.06	Average	54	Pass
NVNT	ax20	5180	Ant3	5149.6	-41.68	5.24	-	58.79	Peak	68.2	Pass
NVNT	ax20	5180	Ant3	5149.6	-54.33	5.24	0.28	46.42	Average	54	Pass
NVNT	ax20	5180	Ant3	5150	-44.37	5.24	-	56.1	Peak	68.2	Pass





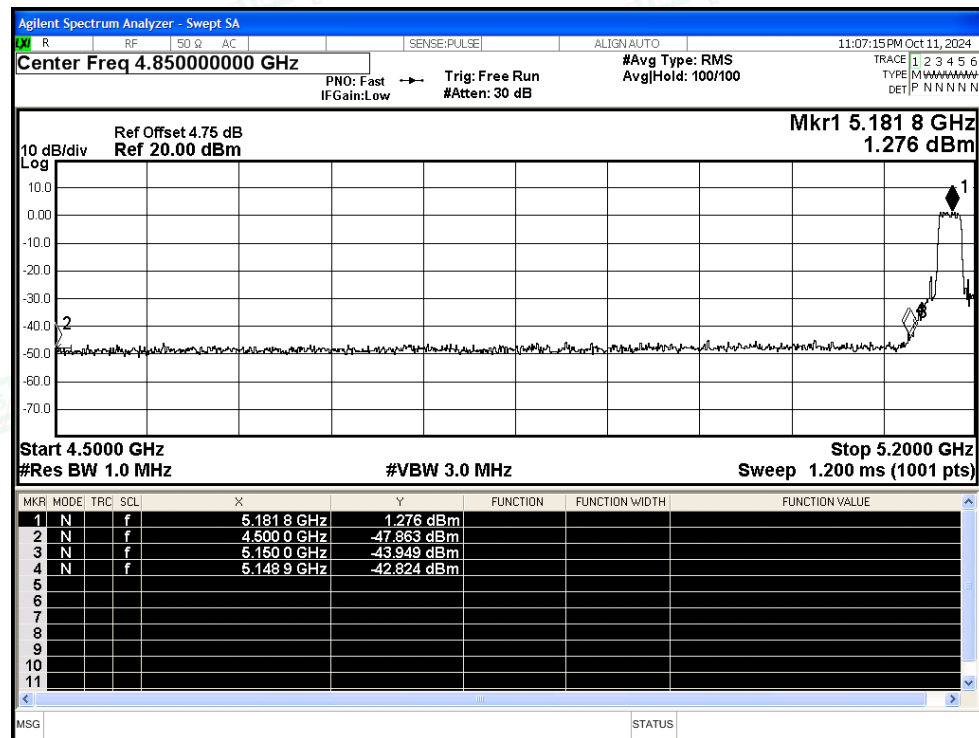
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NVNT	ax20	5240	Ant3	5350	-57.06	5.24	0.28	43.69	Average	54	Pass
NVNT	ax20	5240	Ant3	5407.92	-46.24	5.24	-	54.23	Peak	68.2	Pass
NVNT	ax20	5240	Ant3	5377.44	-56.15	5.24	0.28	44.6	Average	54	Pass
NVNT	ax20	5240	Ant3	5460	-48.58	5.24	-	51.89	Peak	68.2	Pass
NVNT	ax20	5240	Ant3	5460	-56.76	5.24	0.28	43.99	Average	54	Pass
NVNT	ax40	5190	Ant3	4500	-48.65	5.24	-	51.82	Peak	68.2	Pass
NVNT	ax40	5190	Ant3	4500	-57.36	5.24	0.12	43.23	Average	54	Pass
NVNT	ax40	5190	Ant3	5146.05	-41.15	5.24	-	59.32	Peak	68.2	Pass
NVNT	ax40	5190	Ant3	5148.97	-53.74	5.24	0.12	46.85	Average	54	Pass
NVNT	ax40	5190	Ant3	5150	-42.83	5.24	-	57.64	Peak	68.2	Pass
NVNT	ax40	5190	Ant3	5150	-54.16	5.24	0.12	46.43	Average	54	Pass
NVNT	ax40	5230	Ant3	5350	-49.39	5.24	-	51.08	Peak	68.2	Pass
NVNT	ax40	5230	Ant3	5350	-56.9	5.24	0.12	43.69	Average	54	Pass
NVNT	ax40	5230	Ant3	5435.43	-45.09	5.24	-	55.38	Peak	68.2	Pass
NVNT	ax40	5230	Ant3	5450.28	-56.36	5.24	0.12	44.23	Average	54	Pass
NVNT	ax40	5230	Ant3	5460	-49.54	5.24	-	50.93	Peak	68.2	Pass
NVNT	ax40	5230	Ant3	5460	-57.06	5.24	0.12	43.53	Average	54	Pass
NVNT	ax80	5210	Ant3	5350	-49.57	5.24	-	50.9	Peak	68.2	Pass
NVNT	ax80	5210	Ant3	5350	-56.63	5.24	0.25	44.09	Average	54	Pass
NVNT	ax80	5210	Ant3	5367.6	-46.22	5.24	-	54.25	Peak	68.2	Pass
NVNT	ax80	5210	Ant3	5361.99	-55.72	5.24	0.25	45	Average	54	Pass
NVNT	ax80	5210	Ant3	5460	-48.4	5.24	-	52.07	Peak	68.2	Pass
NVNT	ax80	5210	Ant3	5460	-56.96	5.24	0.25	43.76	Average	54	Pass
NVNT	ax80	5210	Ant3	4500	-49.4	5.24	-	51.07	Peak	68.2	Pass
NVNT	ax80	5210	Ant3	4500	-57.23	5.24	0.25	43.49	Average	54	Pass
NVNT	ax80	5210	Ant3	5147.01	-43.4	5.24	-	57.07	Peak	68.2	Pass
NVNT	ax80	5210	Ant3	5149.38	-53.32	5.24	0.25	47.4	Average	54	Pass
NVNT	ax80	5210	Ant3	5150	-43.13	5.24	-	57.34	Peak	68.2	Pass
NVNT	ax80	5210	Ant3	5150	-53.34	5.24	0.25	47.38	Average	54	Pass



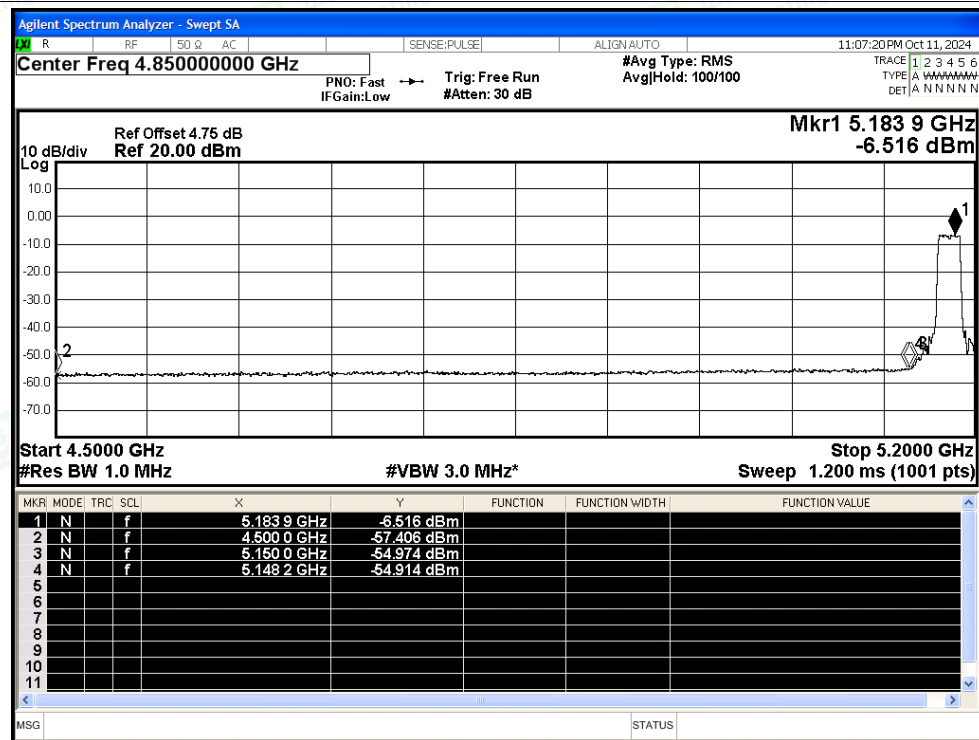


Test Graphs

Restrict Band NVNT a 5180MHz Ant3 Peak

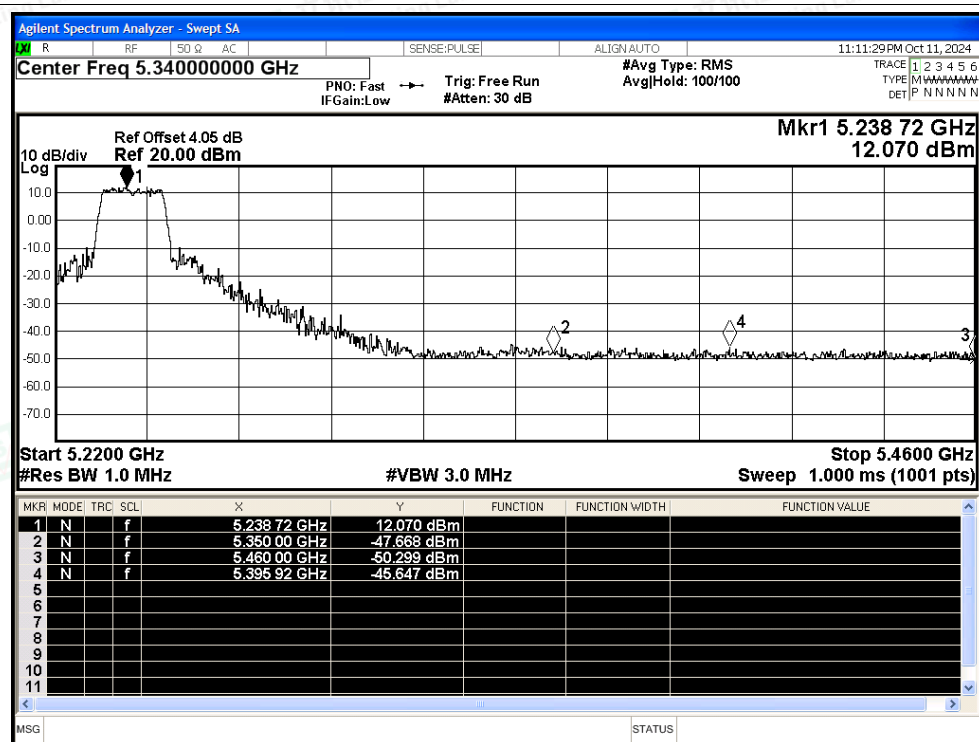


Restrict Band NVNT a 5180MHz Ant3 Average

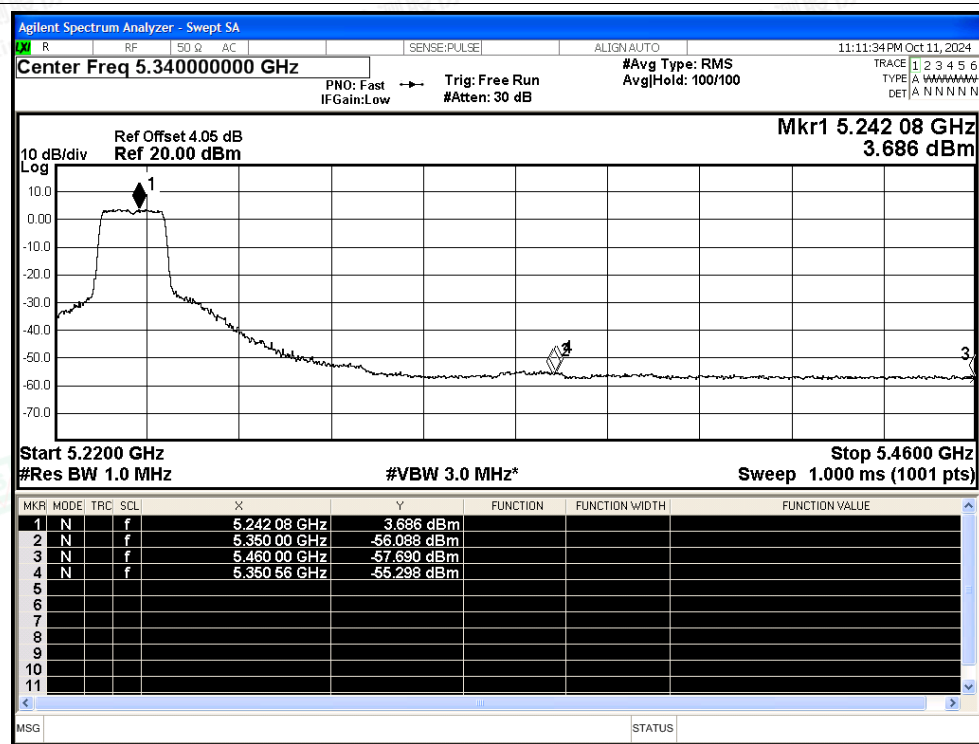




Restrict Band NVNT a 5240MHz Ant3 Peak



Restrict Band NVNT a 5240MHz Ant3 Average



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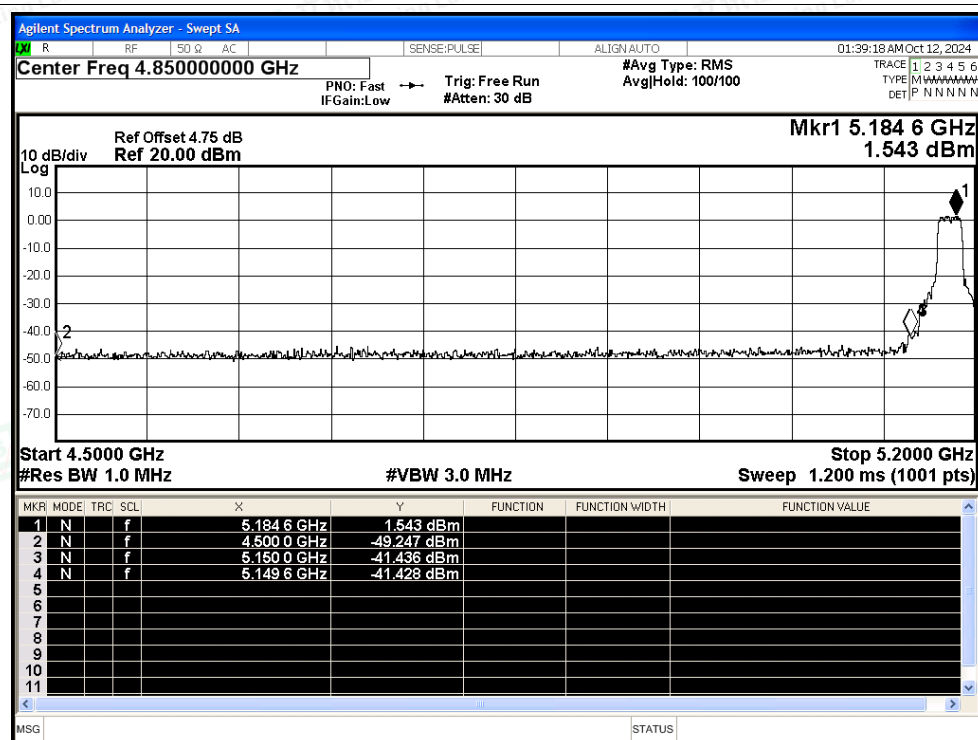
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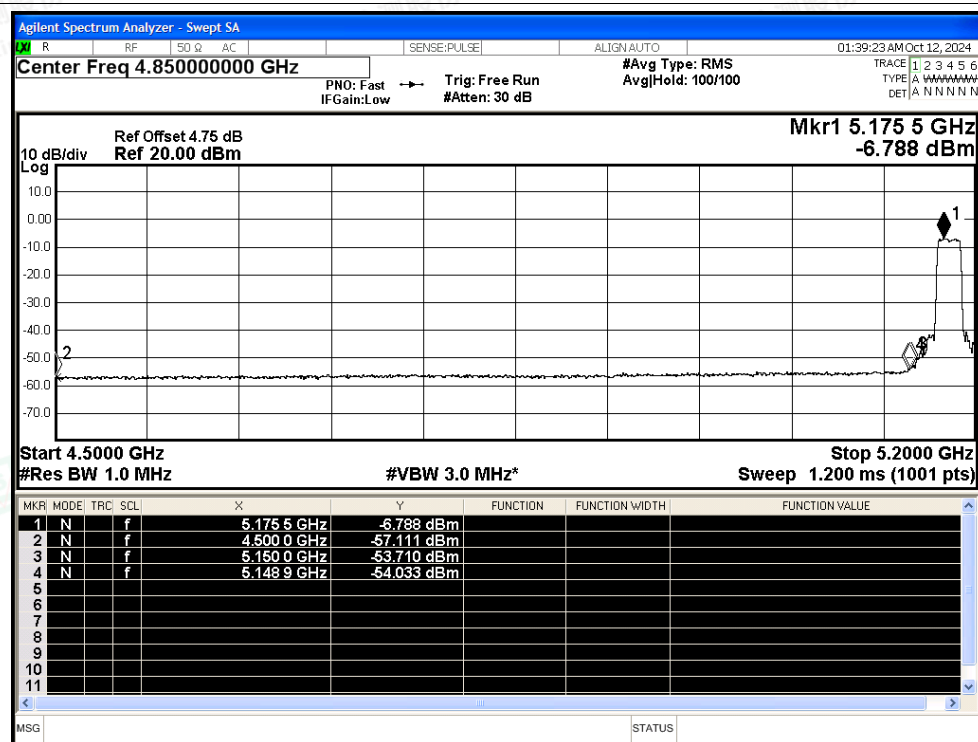
Scan code to check authenticity



Restrict Band NVNT n20 5180MHz Ant3 Peak

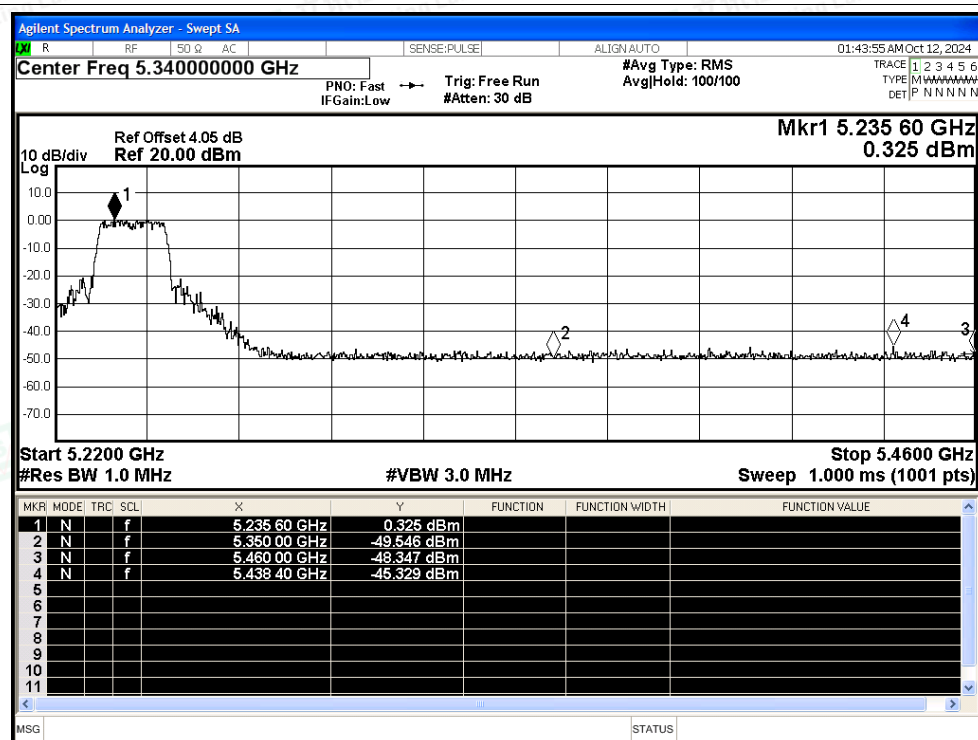


Restrict Band NVNT n20 5180MHz Ant3 Average

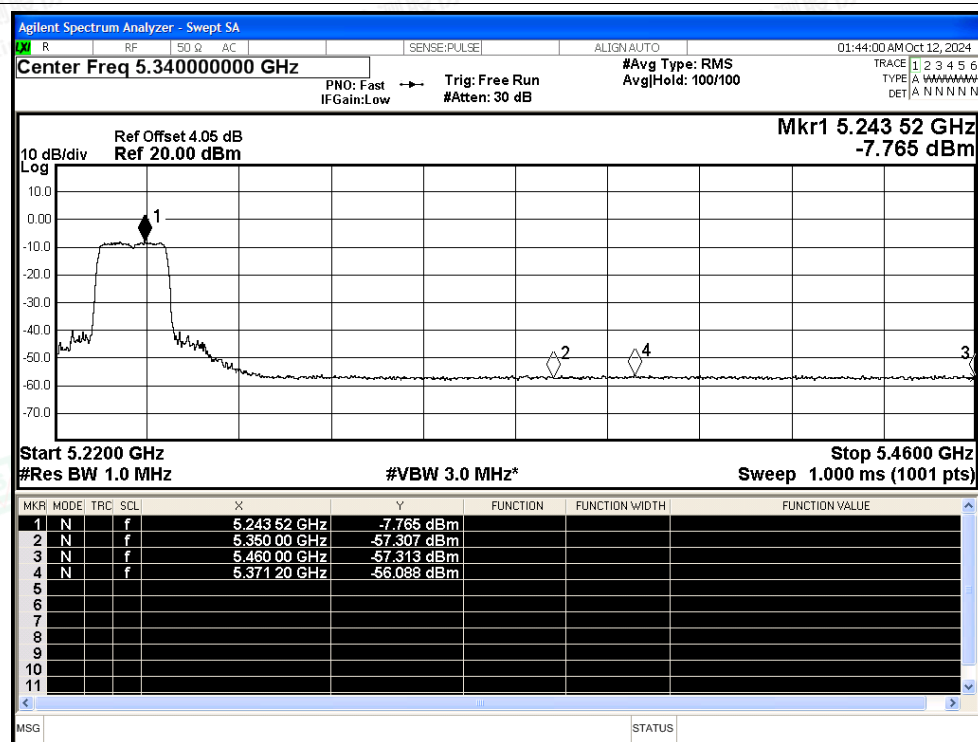




Restrict Band NVNT n20 5240MHz Ant3 Peak

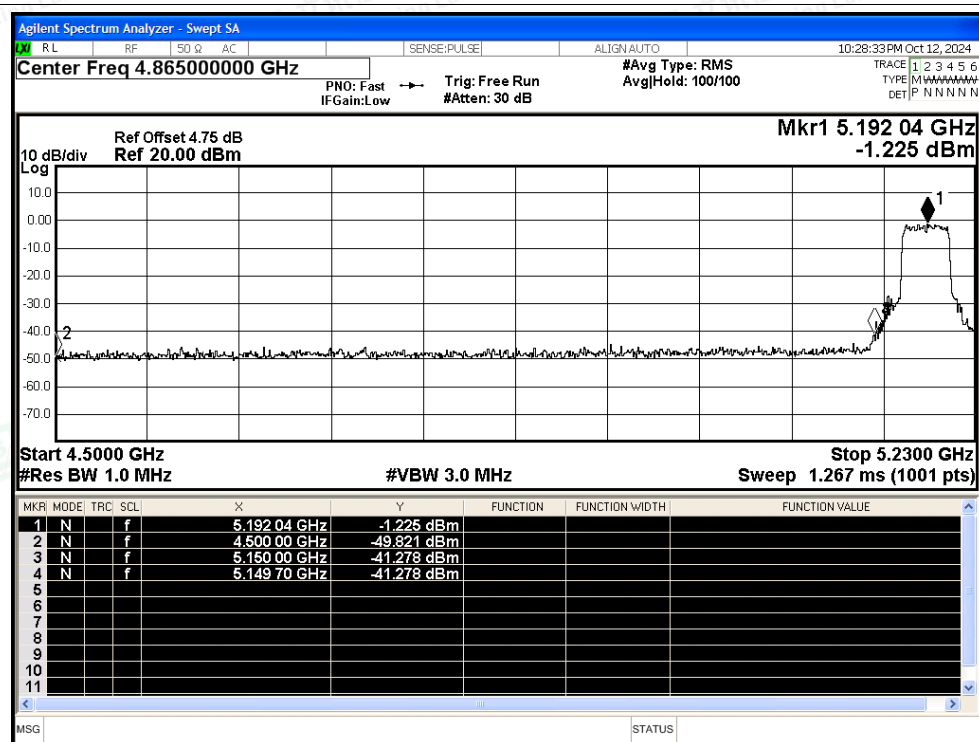


Restrict Band NVNT n20 5240MHz Ant3 Average

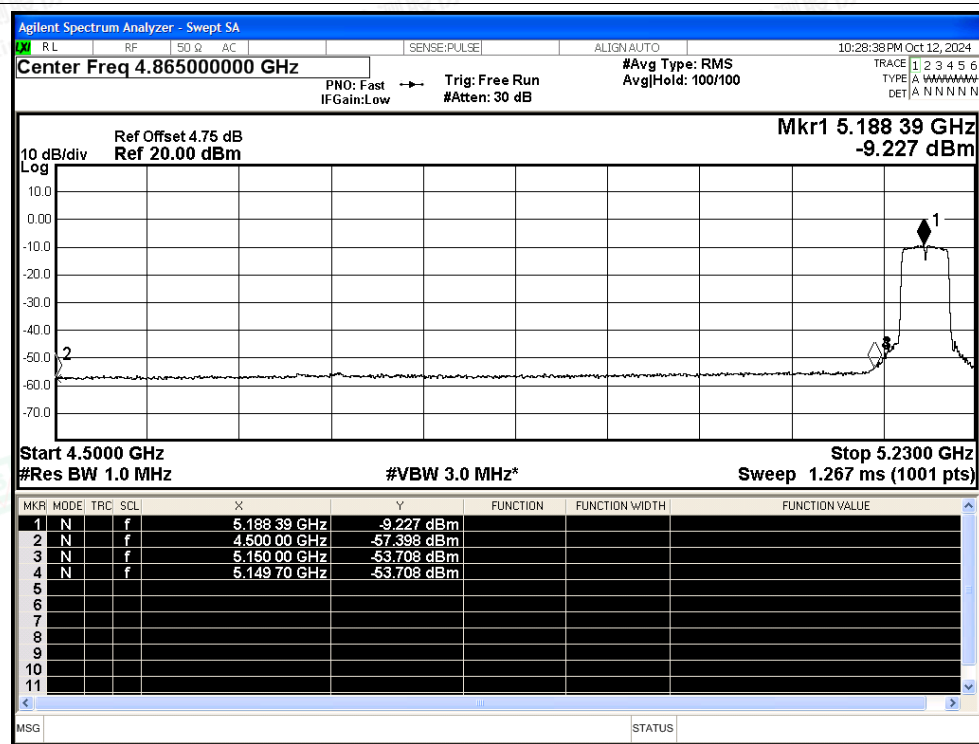




Restrict Band NVNT n40 5190MHz Ant3 Peak

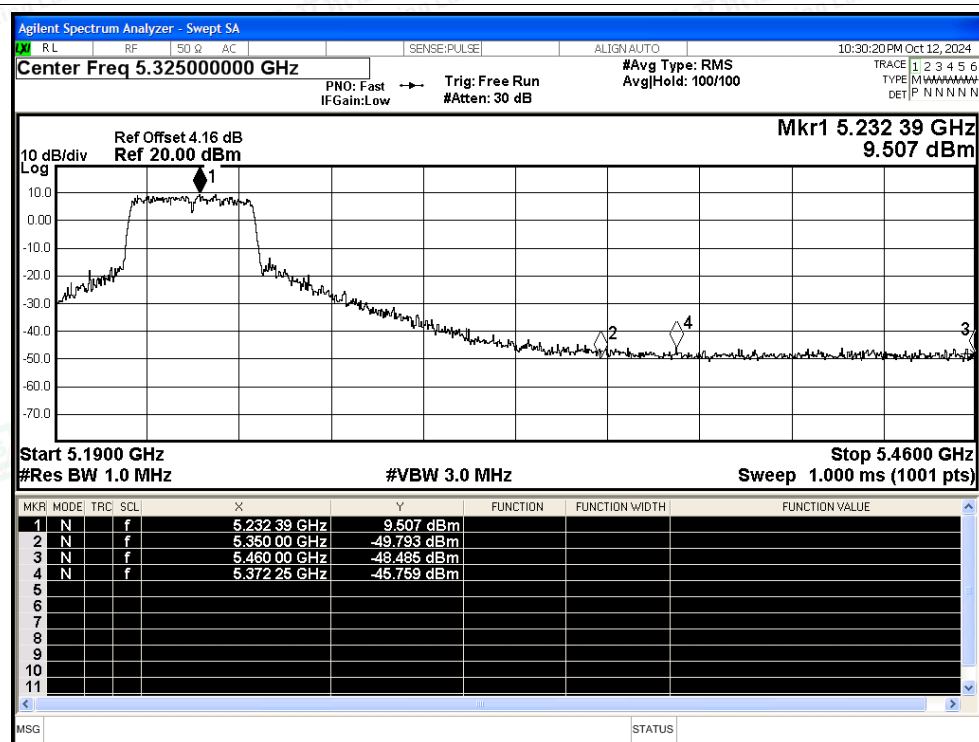


Restrict Band NVNT n40 5190MHz Ant3 Average

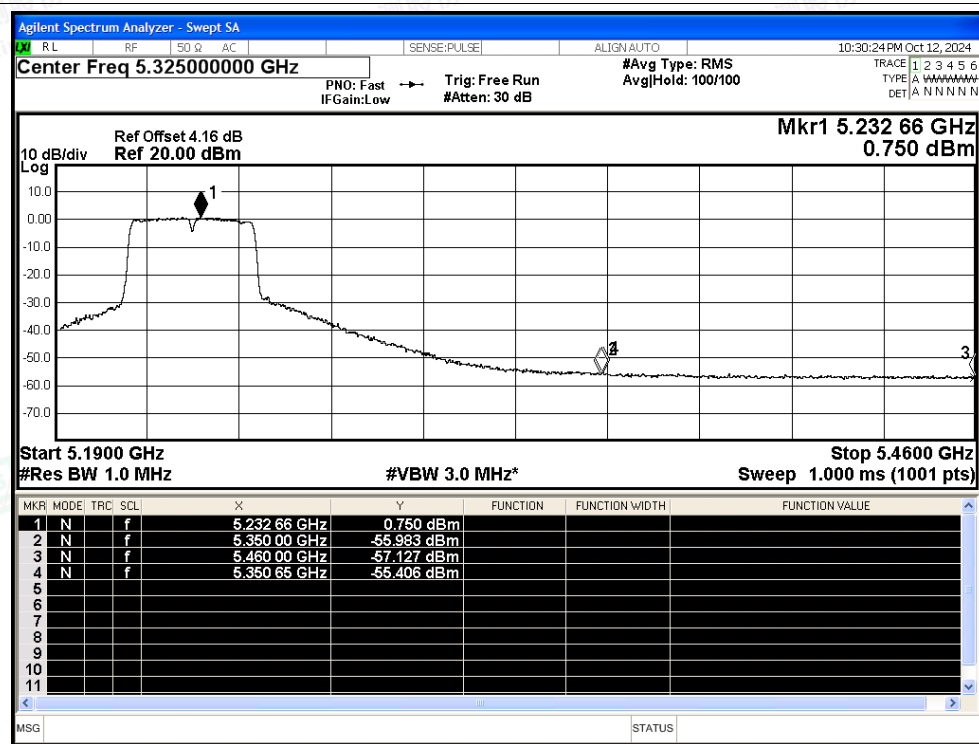




Restrict Band NVNT n40 5230MHz Ant3 Peak

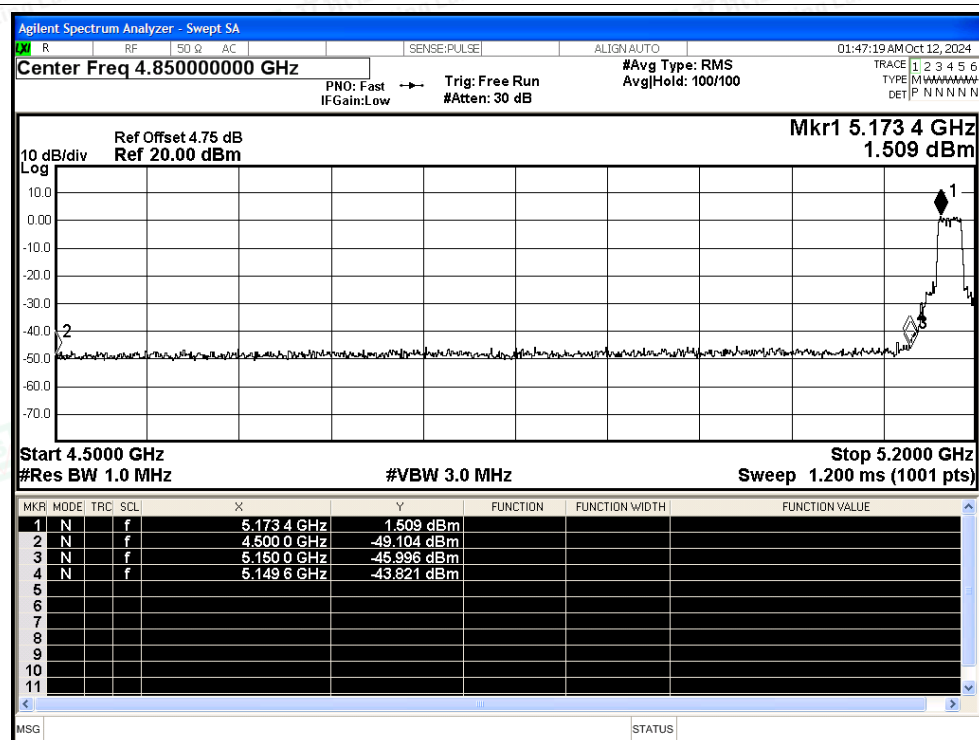


Restrict Band NVNT n40 5230MHz Ant3 Average

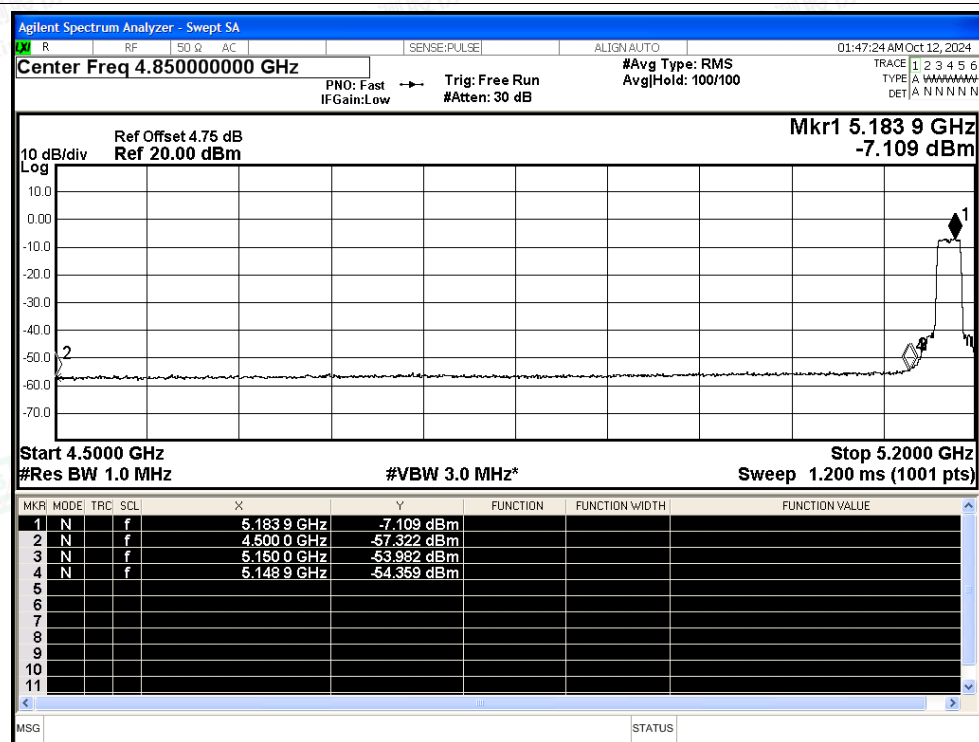




Restrict Band NVNT ac20 5180MHz Ant3 Peak

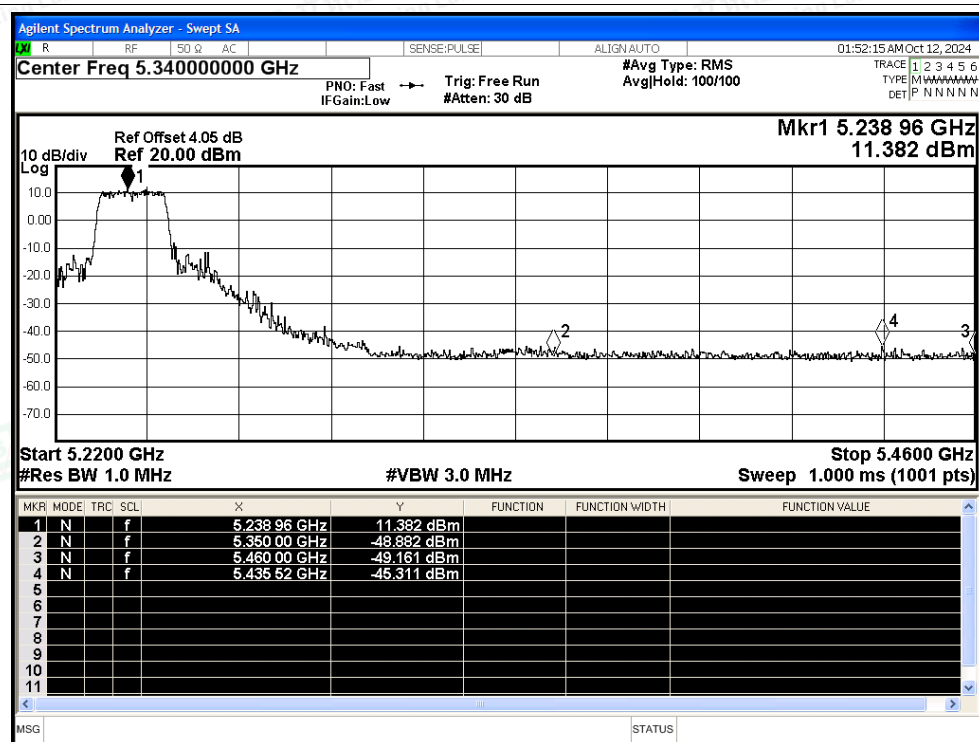


Restrict Band NVNT ac20 5180MHz Ant3 Average

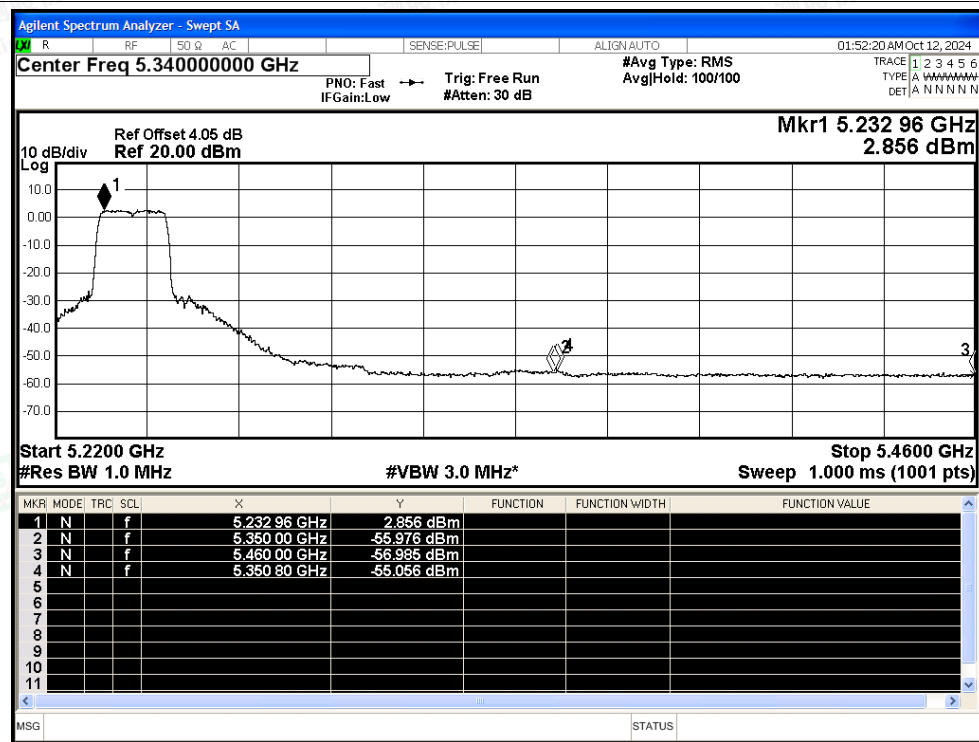




Restrict Band NVNT ac20 5240MHz Ant3 Peak

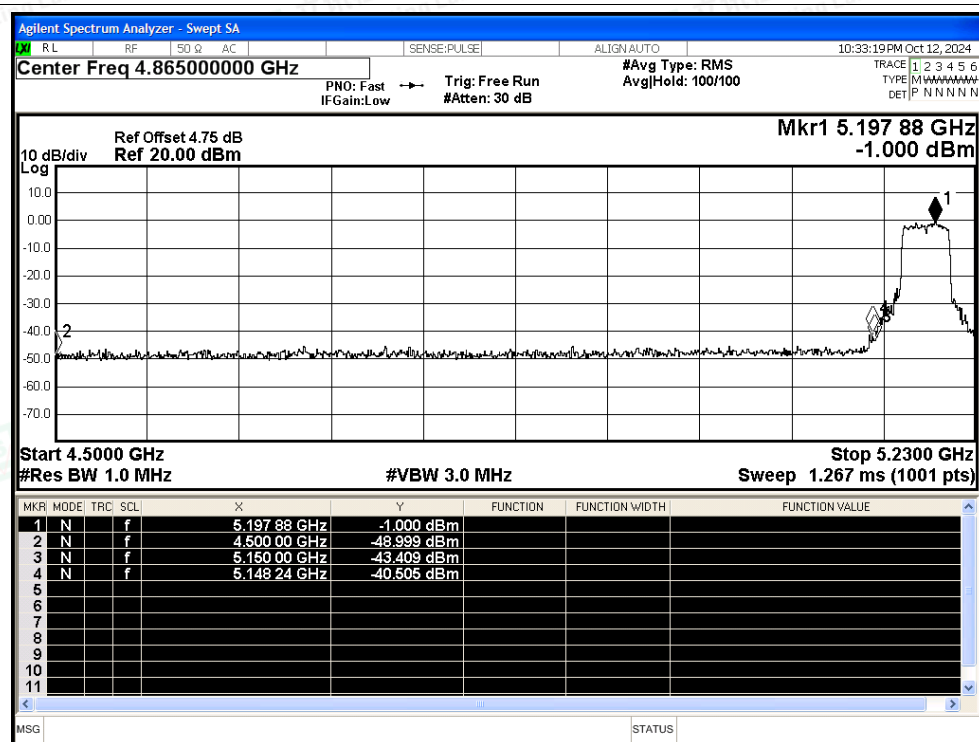


Restrict Band NVNT ac20 5240MHz Ant3 Average

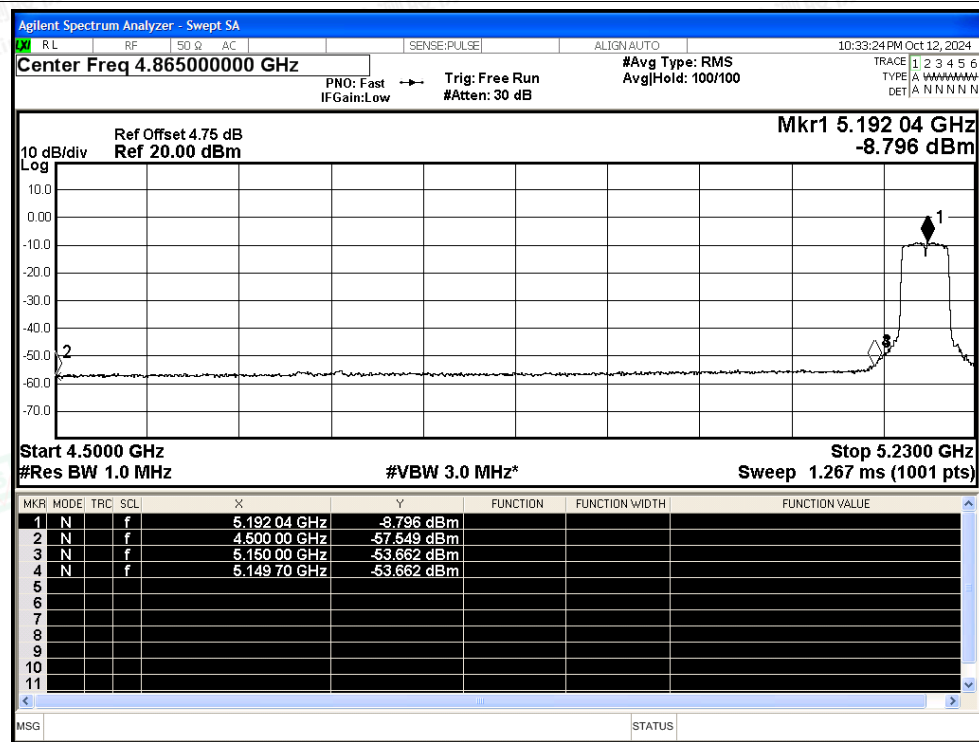




Restrict Band NVNT ac40 5190MHz Ant3 Peak



Restrict Band NVNT ac40 5190MHz Ant3 Average



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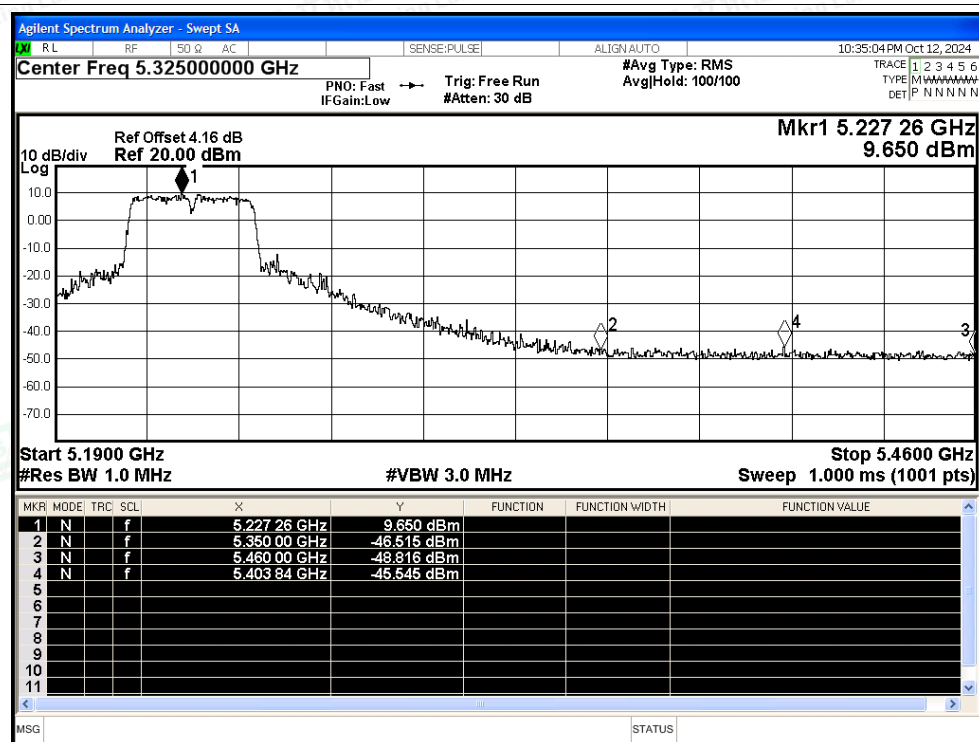
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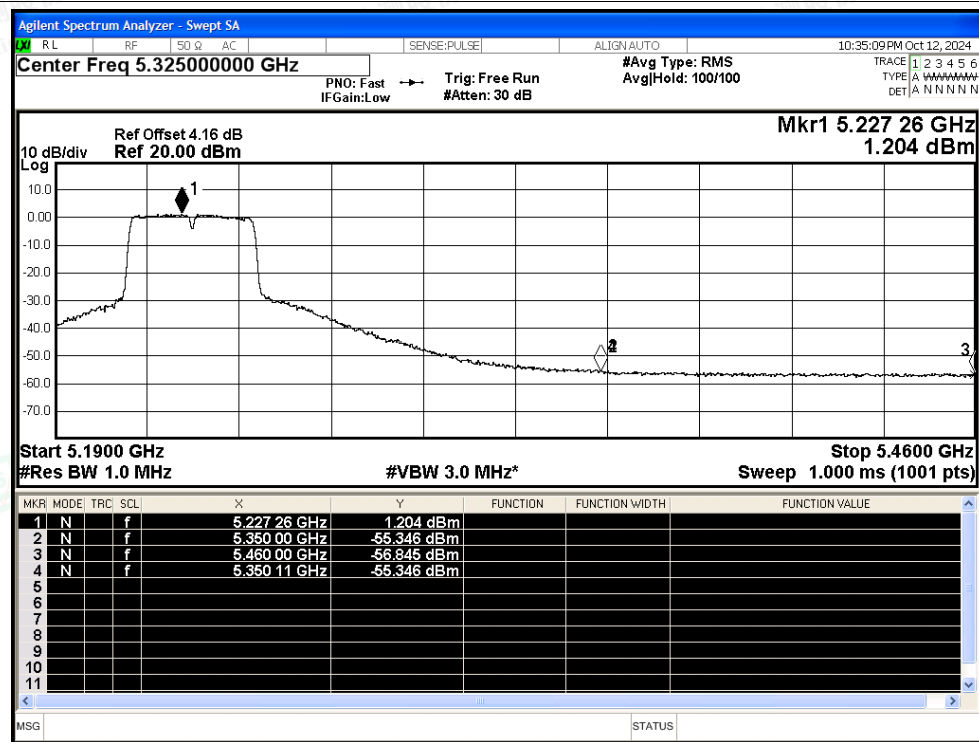
Scan code to check authenticity



Restrict Band NVNT ac40 5230MHz Ant3 Peak

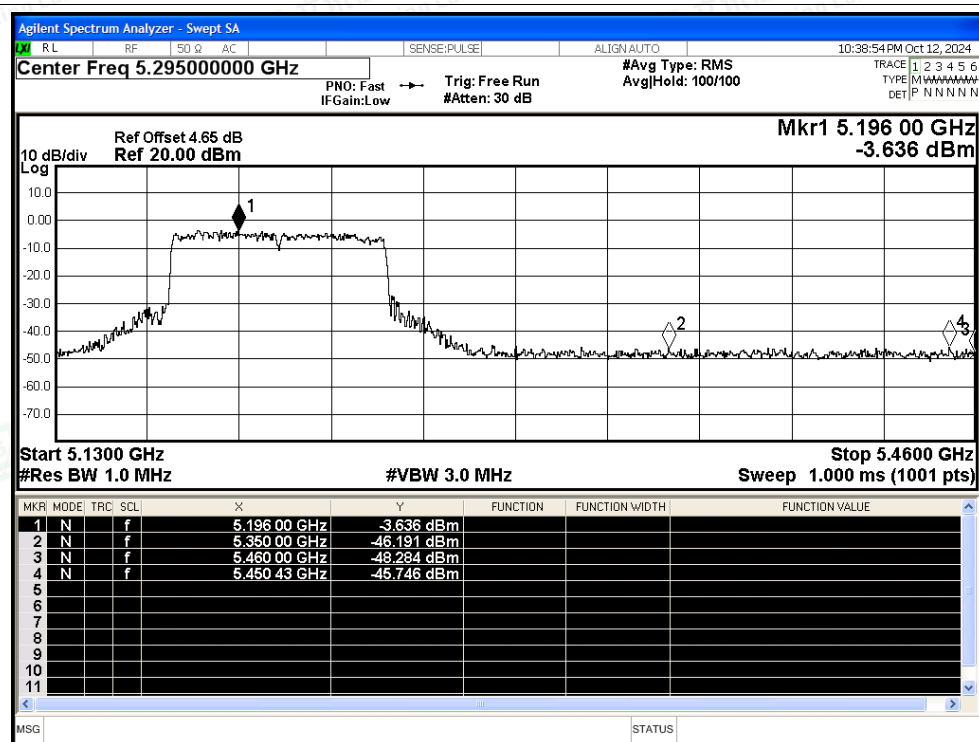


Restrict Band NVNT ac40 5230MHz Ant3 Average

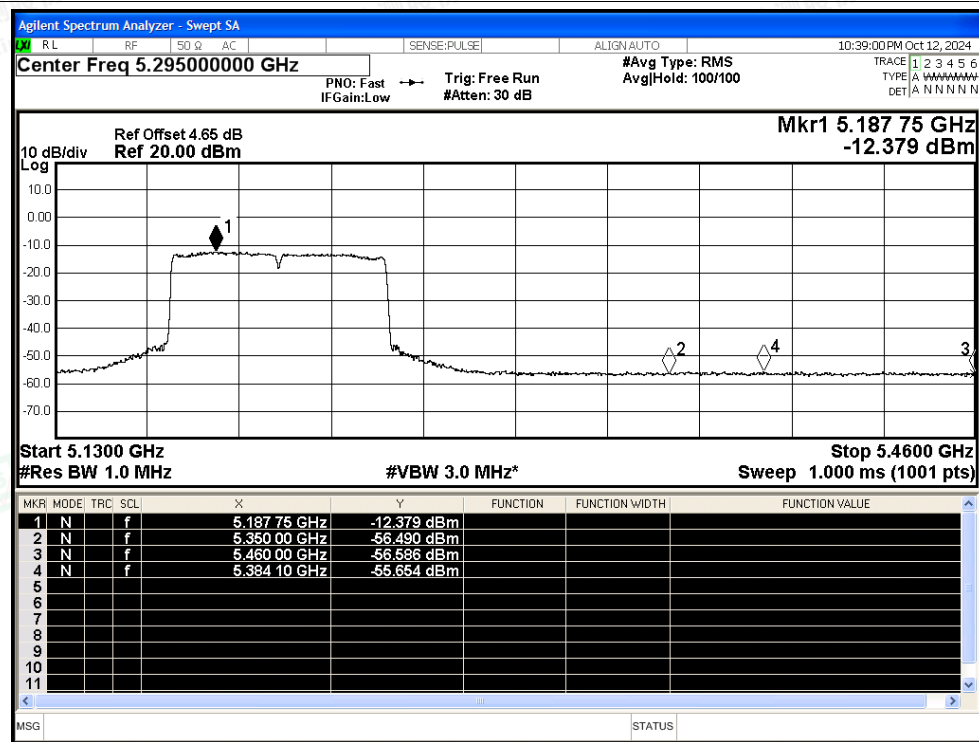




Restrict Band NVNT ac80 5210MHz Ant3 Peak

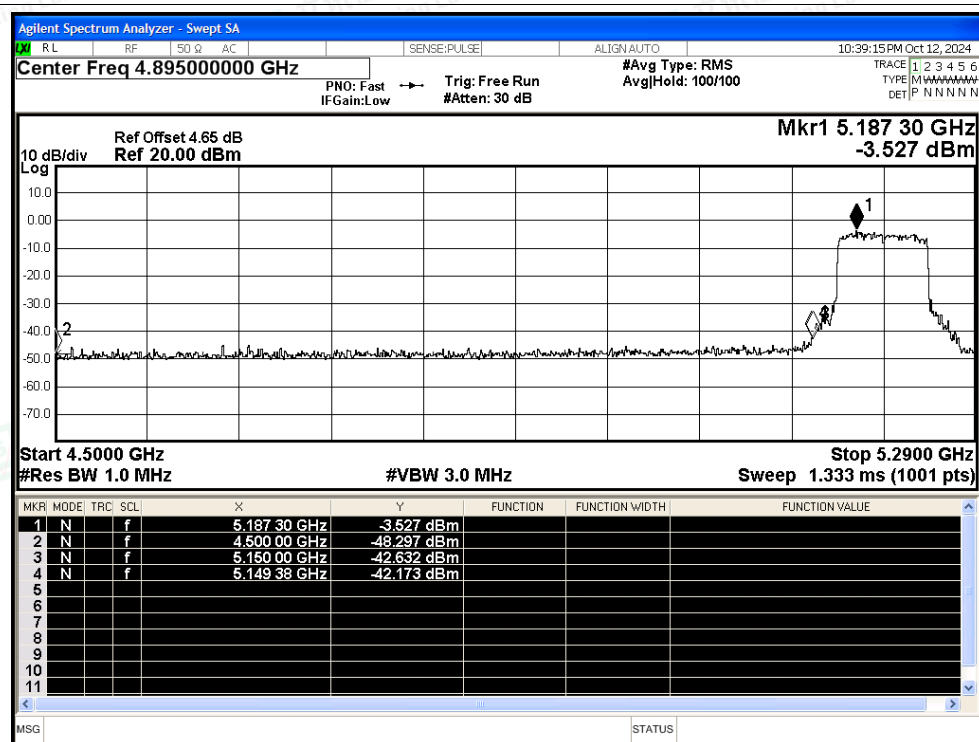


Restrict Band NVNT ac80 5210MHz Ant3 Average

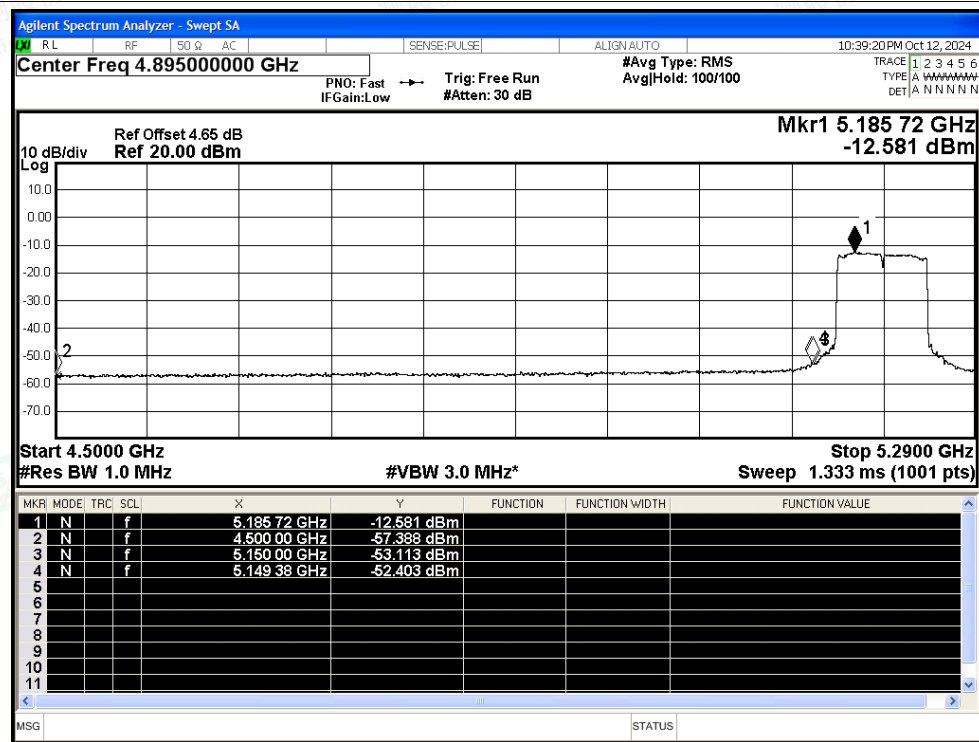




Restrict Band NVNT ac80 5210MHz Ant3 Peak

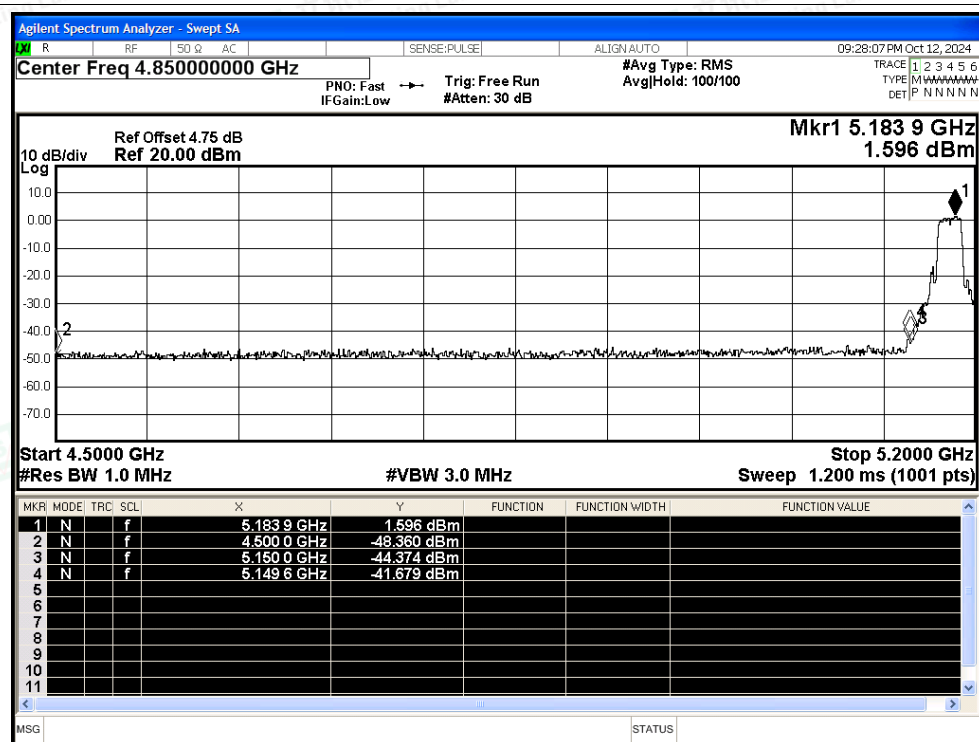


Restrict Band NVNT ac80 5210MHz Ant3 Average

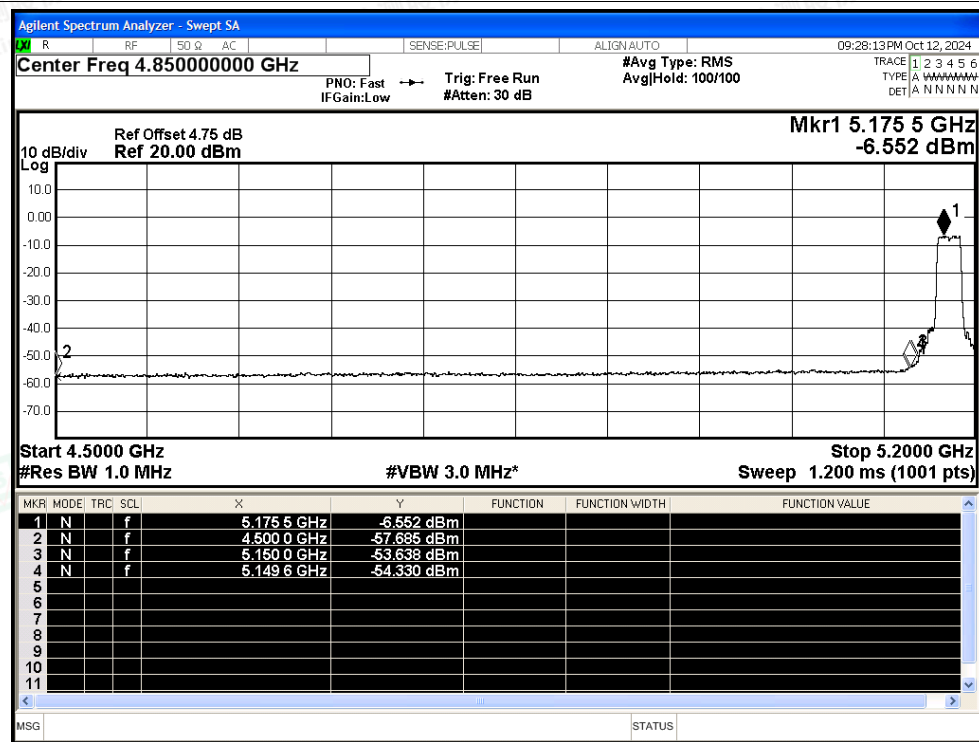




Restrict Band NVNT ax20 5180MHz Ant3 Peak

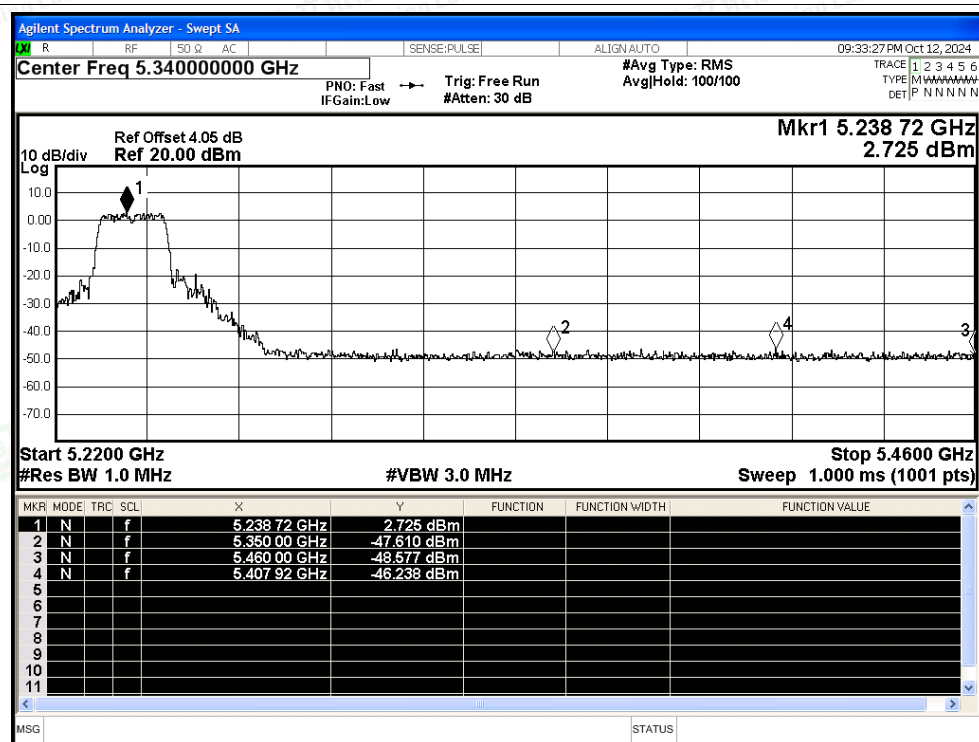


Restrict Band NVNT ax20 5180MHz Ant3 Average

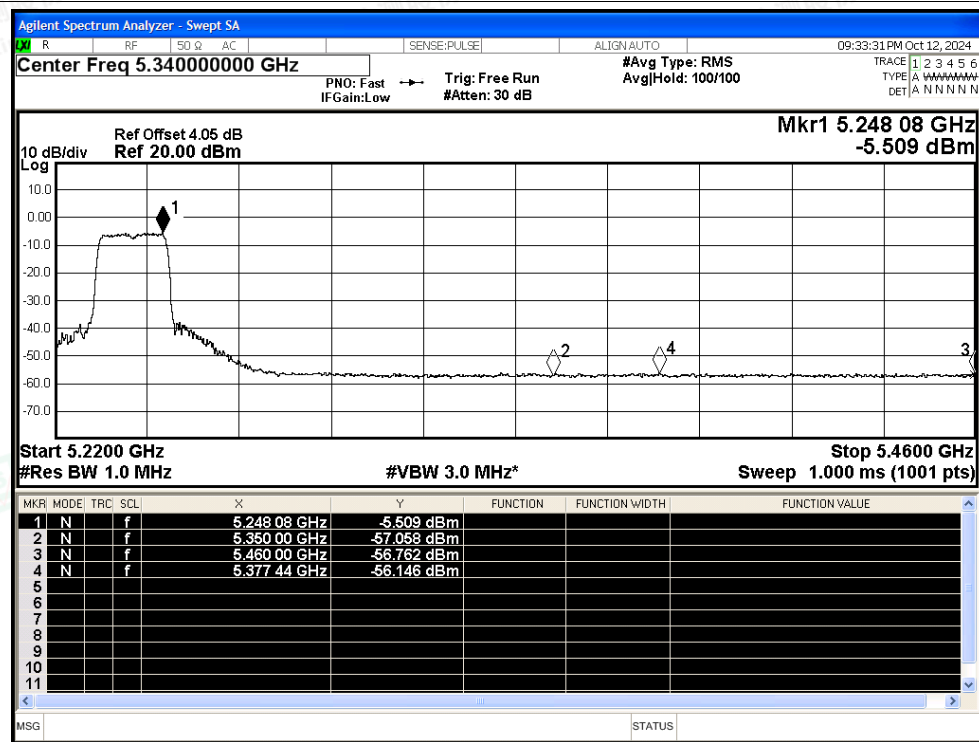




Restrict Band NVNT ax20 5240MHz Ant3 Peak

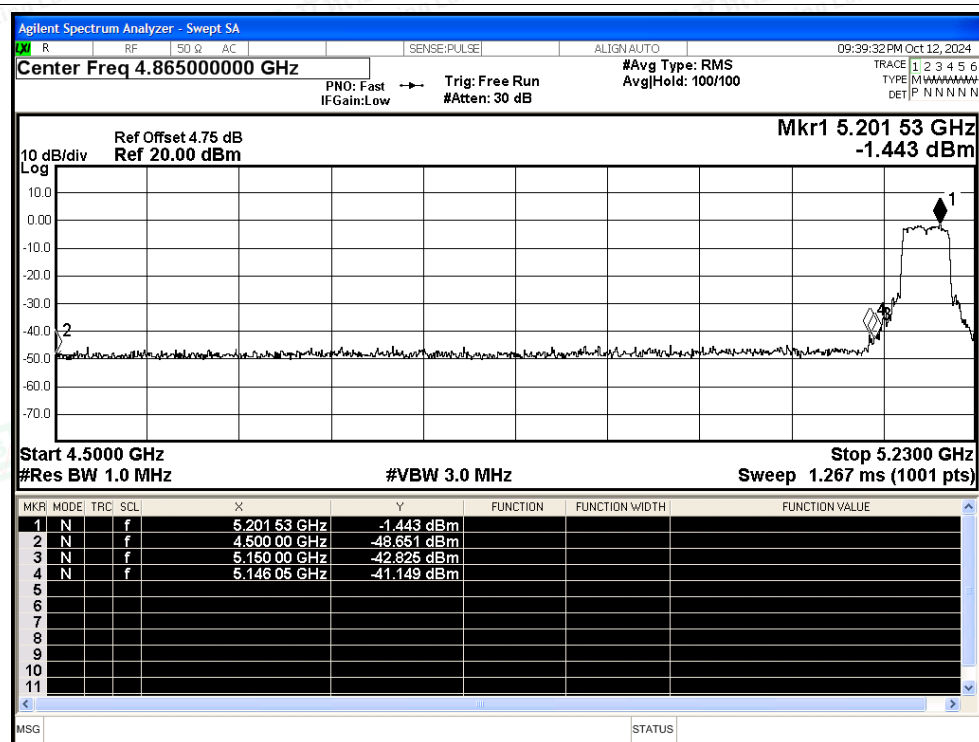


Restrict Band NVNT ax20 5240MHz Ant3 Average

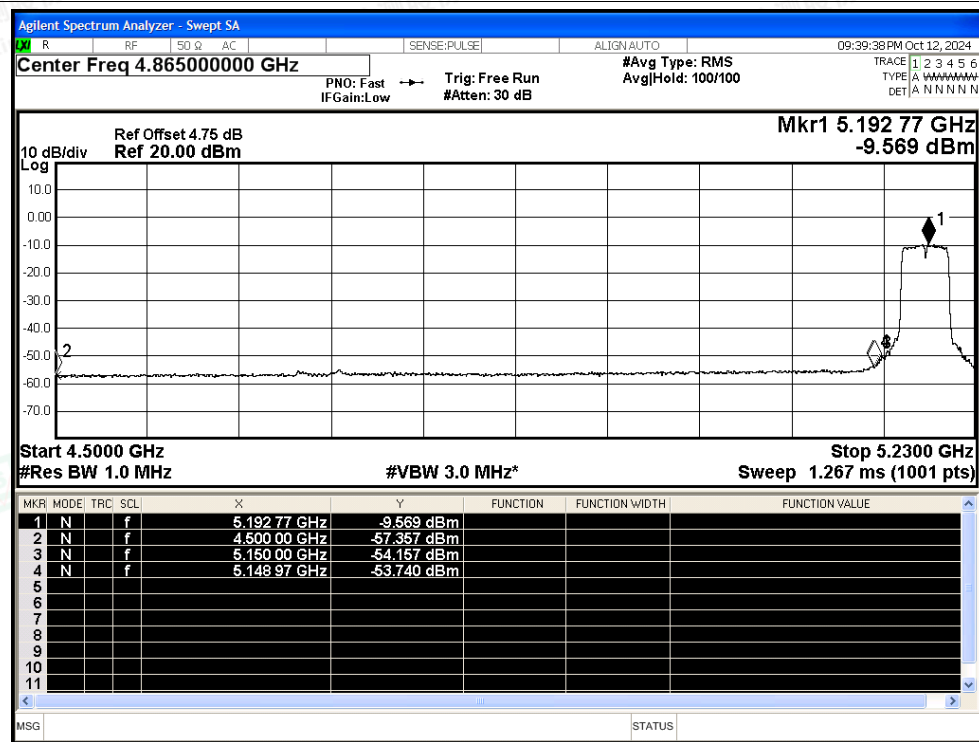




Restrict Band NVNT ax40 5190MHz Ant3 Peak

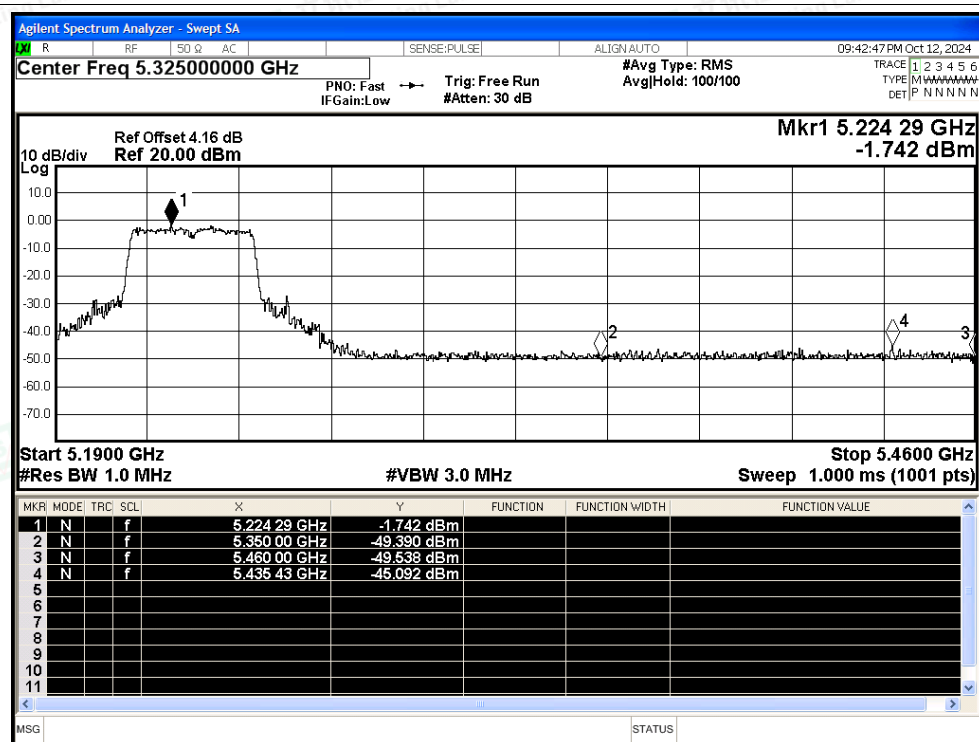


Restrict Band NVNT ax40 5190MHz Ant3 Average

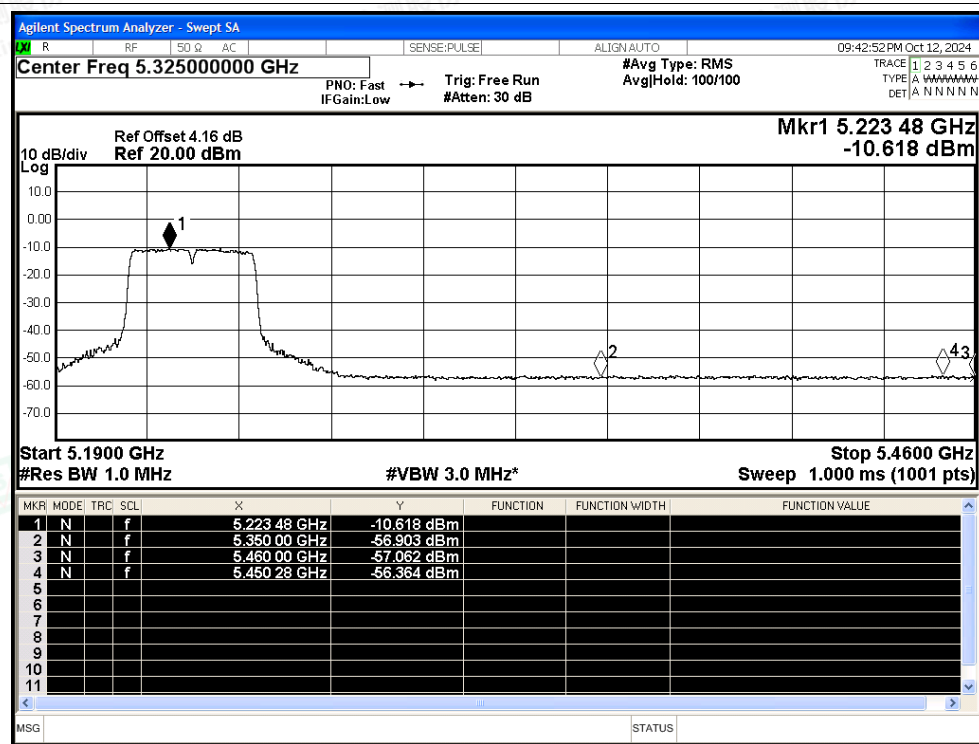




Restrict Band NVNT ax40 5230MHz Ant3 Peak

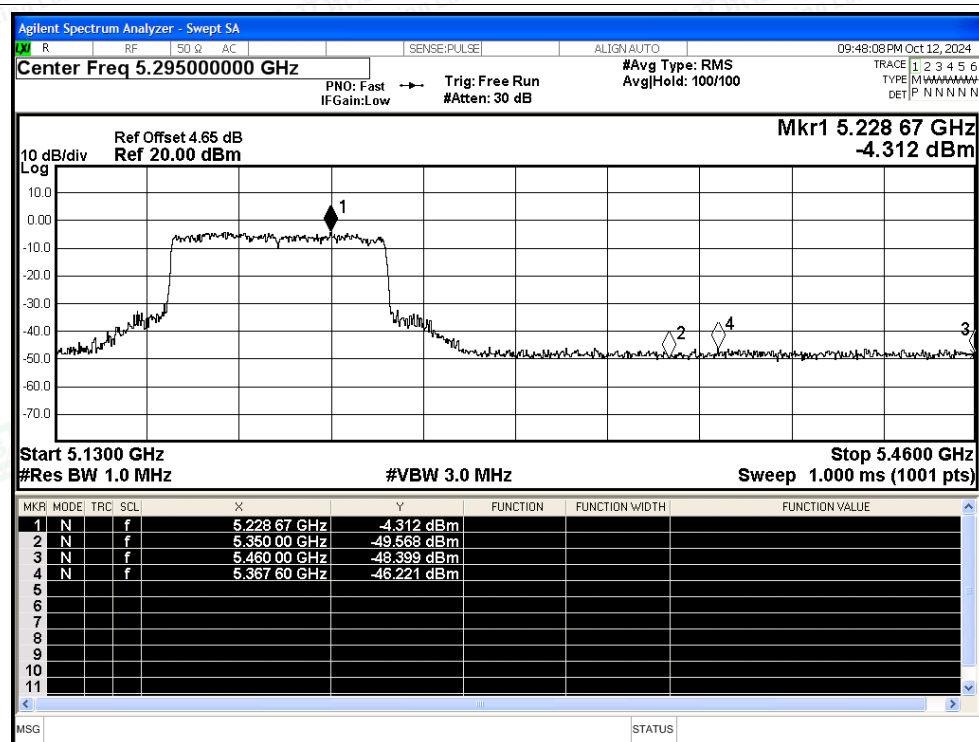


Restrict Band NVNT ax40 5230MHz Ant3 Average

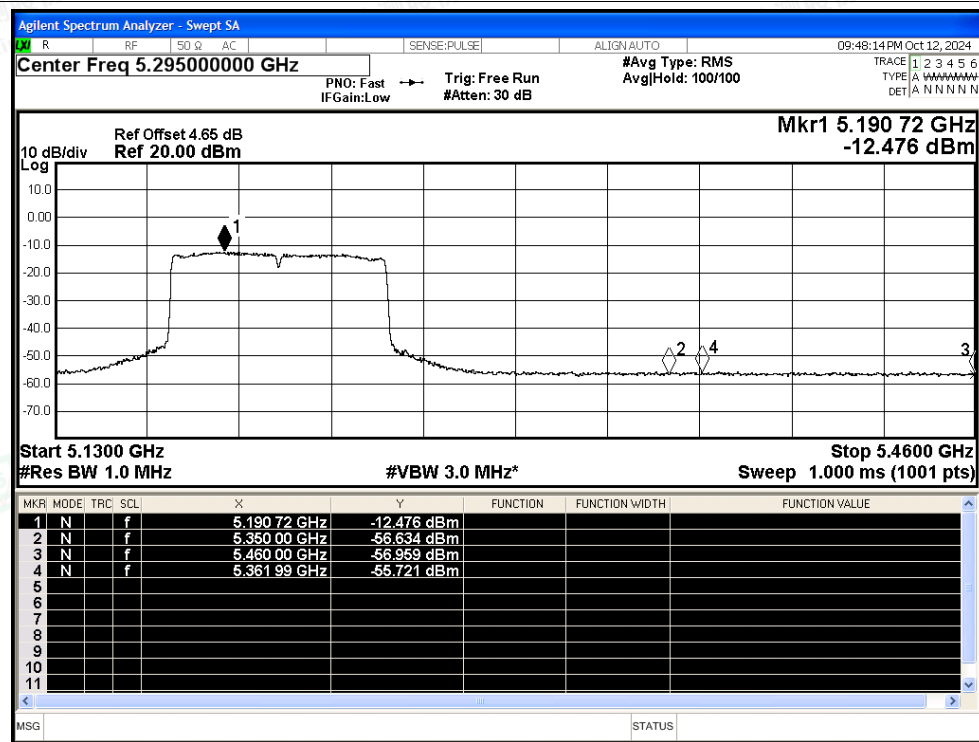




Restrict Band NVNT ax80 5210MHz Ant3 Peak



Restrict Band NVNT ax80 5210MHz Ant3 Average



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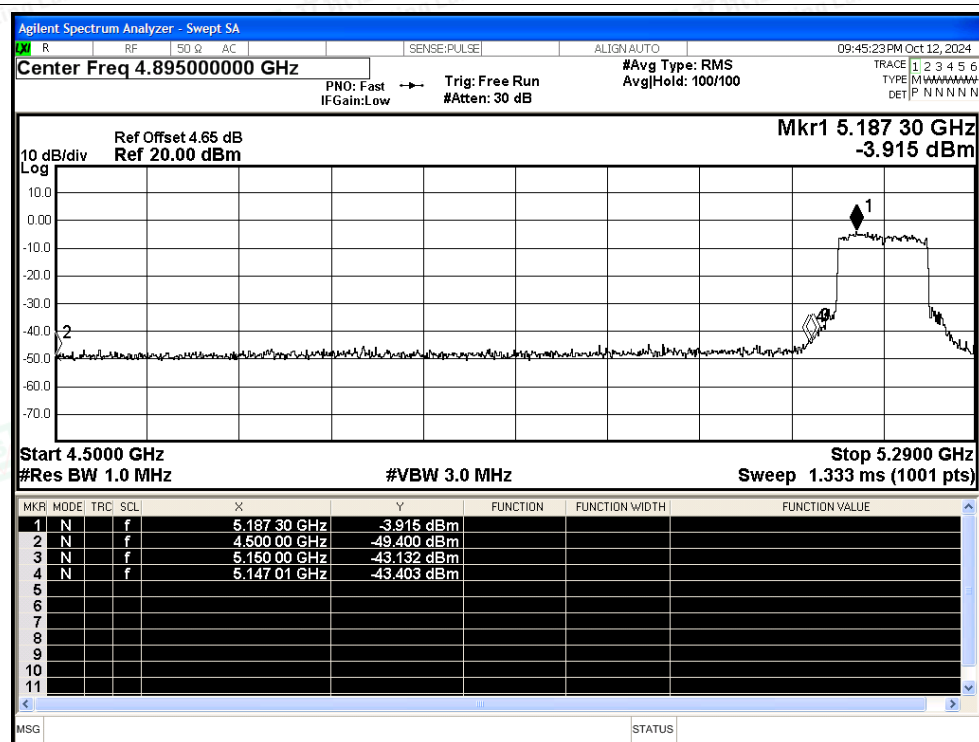
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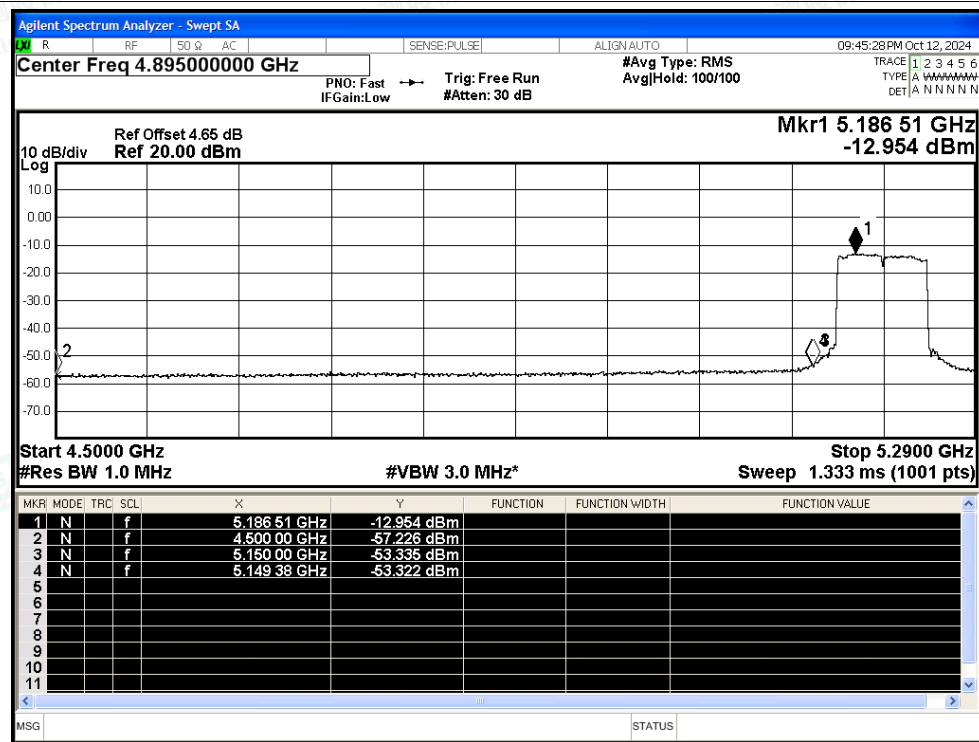
Scan code to check authenticity



Restrict Band NVNT ax80 5210MHz Ant3 Peak



Restrict Band NVNT ax80 5210MHz Ant3 Average



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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	Ant4	4500	-49.67	5.19	-	50.75	Peak	68.2	Pass
NVNT	a	5180	Ant4	4500	-57.32	5.19	0.24	43.34	Average	54	Pass
NVNT	a	5180	Ant4	5149.6	-43.14	5.19	-	57.28	Peak	68.2	Pass
NVNT	a	5180	Ant4	5149.6	-54.53	5.19	0.24	46.13	Average	54	Pass
NVNT	a	5180	Ant4	5150	-43.89	5.19	-	56.53	Peak	68.2	Pass
NVNT	a	5180	Ant4	5150	-54.98	5.19	0.24	45.68	Average	54	Pass
NVNT	a	5240	Ant4	5350	-46.49	5.19	-	53.93	Peak	68.2	Pass
NVNT	a	5240	Ant4	5350	-55.63	5.19	0.24	45.03	Average	54	Pass
NVNT	a	5240	Ant4	5375.52	-45.41	5.19	-	55.01	Peak	68.2	Pass
NVNT	a	5240	Ant4	5350.32	-55.11	5.19	0.24	45.55	Average	54	Pass
NVNT	a	5240	Ant4	5460	-48.45	5.19	-	51.97	Peak	68.2	Pass
NVNT	a	5240	Ant4	5460	-56.77	5.19	0.24	43.89	Average	54	Pass
NVNT	n20	5180	Ant4	4500	-48.51	5.19	-	51.91	Peak	68.2	Pass
NVNT	n20	5180	Ant4	4500	-57.52	5.19	0.28	43.18	Average	54	Pass
NVNT	n20	5180	Ant4	5149.6	-42.84	5.19	-	57.58	Peak	68.2	Pass
NVNT	n20	5180	Ant4	5147.5	-54.05	5.19	0.28	46.65	Average	54	Pass
NVNT	n20	5180	Ant4	5150	-43.67	5.19	-	56.75	Peak	68.2	Pass
NVNT	n20	5180	Ant4	5150	-53.23	5.19	0.28	47.47	Average	54	Pass
NVNT	n20	5240	Ant4	5350	-47.06	5.19	-	53.36	Peak	68.2	Pass
NVNT	n20	5240	Ant4	5350	-55.32	5.19	0.28	45.38	Average	54	Pass
NVNT	n20	5240	Ant4	5380.56	-45.66	5.19	-	54.76	Peak	68.2	Pass
NVNT	n20	5240	Ant4	5352	-55.17	5.19	0.28	45.53	Average	54	Pass
NVNT	n20	5240	Ant4	5460	-47.8	5.19	-	52.62	Peak	68.2	Pass
NVNT	n20	5240	Ant4	5460	-56.77	5.19	0.28	43.93	Average	54	Pass
NVNT	n40	5190	Ant4	4500	-48.81	5.19	-	51.61	Peak	68.2	Pass
NVNT	n40	5190	Ant4	4500	-56.76	5.19	0.12	43.78	Average	54	Pass
NVNT	n40	5190	Ant4	5148.97	-37.32	5.19	-	63.10	Peak	68.2	Pass
NVNT	n40	5190	Ant4	5149.7	-53.12	5.19	0.12	47.42	Average	54	Pass
NVNT	n40	5190	Ant4	5150	-41.15	5.19	-	59.27	Peak	68.2	Pass
NVNT	n40	5190	Ant4	5150	-53.12	5.19	0.12	47.42	Average	54	Pass
NVNT	n40	5230	Ant4	5350	-47.36	5.19	-	53.06	Peak	68.2	Pass
NVNT	n40	5230	Ant4	5350	-56.33	5.19	0.12	44.21	Average	54	Pass
NVNT	n40	5230	Ant4	5367.12	-45.62	5.19	-	54.80	Peak	68.2	Pass
NVNT	n40	5230	Ant4	5350.65	-55.1	5.19	0.12	45.44	Average	54	Pass
NVNT	n40	5230	Ant4	5460	-48.8	5.19	-	51.62	Peak	68.2	Pass
NVNT	n40	5230	Ant4	5460	-57.3	5.19	0.12	43.24	Average	54	Pass
NVNT	ac20	5180	Ant4	4500	-50.22	5.19	-	50.20	Peak	68.2	Pass





NVNT	ac20	5180	Ant4	4500	-57.58	5.19	0.28	43.12	Average	54	Pass
NVNT	ac20	5180	Ant4	4798.9	-44.68	5.19	-	55.74	Peak	68.2	Pass
NVNT	ac20	5180	Ant4	5148.9	-53.67	5.19	0.28	47.03	Average	54	Pass
NVNT	ac20	5180	Ant4	5150	-44.8	5.19	-	55.62	Peak	68.2	Pass
NVNT	ac20	5180	Ant4	5150	-53.45	5.19	0.28	47.25	Average	54	Pass
NVNT	ac20	5240	Ant4	5350	-47.73	5.19	-	52.69	Peak	68.2	Pass
NVNT	ac20	5240	Ant4	5350	-55.32	5.19	0.28	45.38	Average	54	Pass
NVNT	ac20	5240	Ant4	5371.68	-45.66	5.19	-	54.76	Peak	68.2	Pass
NVNT	ac20	5240	Ant4	5351.52	-55.02	5.19	0.28	45.68	Average	54	Pass
NVNT	ac20	5240	Ant4	5460	-50.14	5.19	-	50.28	Peak	68.2	Pass
NVNT	ac20	5240	Ant4	5460	-56.79	5.19	0.28	43.91	Average	54	Pass
NVNT	ac40	5190	Ant4	4500	-48.59	5.19	-	51.83	Peak	68.2	Pass
NVNT	ac40	5190	Ant4	4500	-57.46	5.19	0.12	43.08	Average	54	Pass
NVNT	ac40	5190	Ant4	5148.24	-43.35	5.19	-	57.07	Peak	68.2	Pass
NVNT	ac40	5190	Ant4	5148.97	-53.5	5.19	0.12	47.04	Average	54	Pass
NVNT	ac40	5190	Ant4	5150	-43.45	5.19	-	56.97	Peak	68.2	Pass
NVNT	ac40	5190	Ant4	5150	-53.85	5.19	0.12	46.69	Average	54	Pass
NVNT	ac40	5230	Ant4	5350	-46.84	5.19	-	53.58	Peak	68.2	Pass
NVNT	ac40	5230	Ant4	5350	-55.62	5.19	0.12	44.92	Average	54	Pass
NVNT	ac40	5230	Ant4	5441.1	-45.54	5.19	-	54.88	Peak	68.2	Pass
NVNT	ac40	5230	Ant4	5350.65	-55.18	5.19	0.12	45.36	Average	54	Pass
NVNT	ac40	5230	Ant4	5460	-49.11	5.19	-	51.31	Peak	68.2	Pass
NVNT	ac40	5230	Ant4	5460	-57.25	5.19	0.12	43.29	Average	54	Pass
NVNT	ac80	5210	Ant4	5350	-48.39	5.19	-	52.03	Peak	68.2	Pass
NVNT	ac80	5210	Ant4	5350	-56.03	5.19	0.25	44.64	Average	54	Pass
NVNT	ac80	5210	Ant4	5384.1	-46.29	5.19	-	54.13	Peak	68.2	Pass
NVNT	ac80	5210	Ant4	5423.7	-55.36	5.19	0.25	45.31	Average	54	Pass
NVNT	ac80	5210	Ant4	5460	-47.84	5.19	-	52.58	Peak	68.2	Pass
NVNT	ac80	5210	Ant4	5460	-56.72	5.19	0.25	43.95	Average	54	Pass
NVNT	ac80	5210	Ant4	4500	-48.99	5.19	-	51.43	Peak	68.2	Pass
NVNT	ac80	5210	Ant4	4500	-57.67	5.19	0.25	43.00	Average	54	Pass
NVNT	ac80	5210	Ant4	5145.43	-40.4	5.19	-	60.02	Peak	68.2	Pass
NVNT	ac80	5210	Ant4	5148.59	-53.33	5.19	0.25	47.34	Average	54	Pass
NVNT	ac80	5210	Ant4	5150	-41.78	5.19	-	58.64	Peak	68.2	Pass
NVNT	ac80	5210	Ant4	5150	-53.59	5.19	0.25	47.08	Average	54	Pass
NVNT	ax20	5180	Ant4	4500	-49.47	5.19	-	50.95	Peak	68.2	Pass
NVNT	ax20	5180	Ant4	4500	-56.94	5.19	0.28	43.76	Average	54	Pass
NVNT	ax20	5180	Ant4	5044.6	-43.8	5.19	-	56.62	Peak	68.2	Pass
NVNT	ax20	5180	Ant4	5149.6	-54.1	5.19	0.28	46.60	Average	54	Pass
NVNT	ax20	5180	Ant4	5150	-45.61	5.19	-	54.81	Peak	68.2	Pass
NVNT	ax20	5180	Ant4	5150	-53.23	5.19	0.28	47.47	Average	54	Pass

