

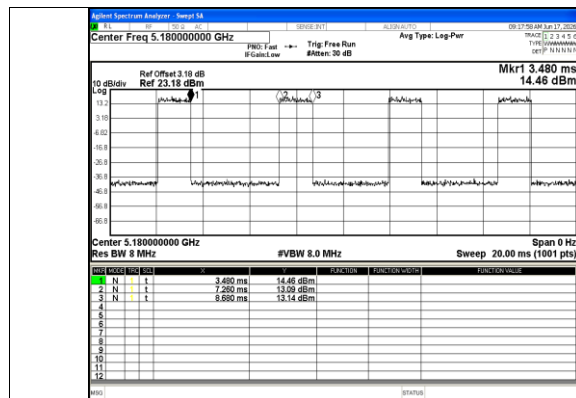
Appendix A: Test Results

Content

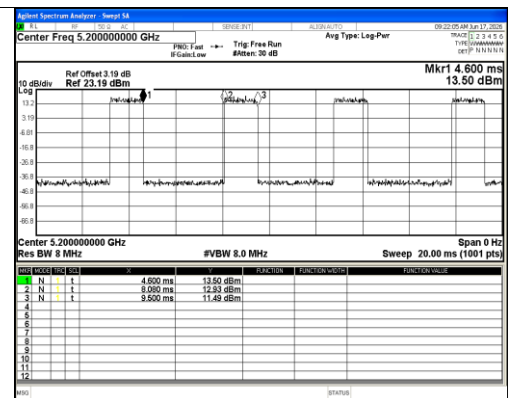
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Duty Cycle

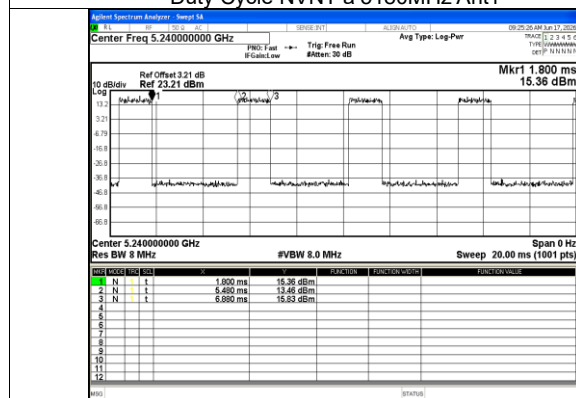
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	27.31	5.64	0.7
NVNT	a	5200	Ant1	28.98	5.38	0.7
NVNT	a	5240	Ant1	27.56	5.6	0.71
NVNT	a	5260	Ant1	28.06	5.52	0.7
NVNT	a	5280	Ant1	26.82	5.72	0.71
NVNT	a	5320	Ant1	25.74	5.89	0.71
NVNT	a	5500	Ant1	17.86	7.48	0.71
NVNT	a	5580	Ant1	24.56	6.1	0.71
NVNT	a	5700	Ant1	29.41	5.31	0.71
NVNT	a	5745	Ant1	28.46	5.46	0.71
NVNT	a	5785	Ant1	28.93	5.39	0.71
NVNT	a	5825	Ant1	25.55	5.93	0.71
NVNT	n20	5180	Ant1	28.82	5.4	0.76
NVNT	n20	5200	Ant1	33.68	4.73	0.77
NVNT	n20	5240	Ant1	26.94	5.7	0.76
NVNT	n20	5260	Ant1	25.78	5.89	0.76
NVNT	n20	5280	Ant1	25.68	5.9	0.76
NVNT	n20	5320	Ant1	28.02	5.53	0.77
NVNT	n20	5500	Ant1	25.78	5.89	0.76
NVNT	n20	5580	Ant1	25.38	5.95	0.76
NVNT	n20	5700	Ant1	21.29	6.72	0.76
NVNT	n20	5745	Ant1	25.19	5.99	0.76
NVNT	n20	5785	Ant1	27.16	5.66	0.76
NVNT	n20	5825	Ant1	26.94	5.7	0.76
NVNT	n40	5190	Ant1	13.92	8.56	1.52
NVNT	n40	5230	Ant1	13.41	8.72	1.52
NVNT	n40	5270	Ant1	13.73	8.62	1.56
NVNT	n40	5310	Ant1	13.36	8.74	1.52
NVNT	n40	5510	Ant1	13.45	8.71	1.56
NVNT	n40	5550	Ant1	13.47	8.71	1.52
NVNT	n40	5670	Ant1	13.91	8.57	1.56
NVNT	n40	5755	Ant1	11.79	9.29	1.52
NVNT	n40	5795	Ant1	13.87	8.58	1.52



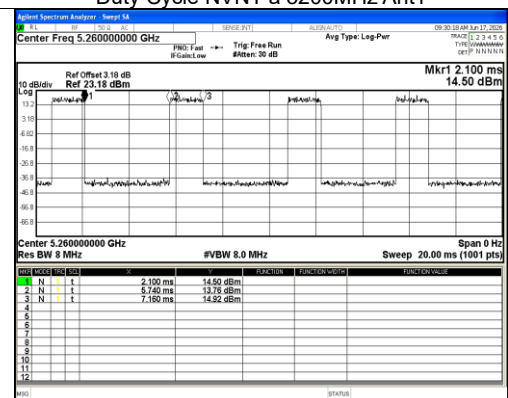
Duty Cycle NVNT a 5180MHz Ant1



Duty Cycle NVNT a 5200MHz Ant1



Duty Cycle NVNT a 5240MHz Ant1



Duty Cycle NVNT a 5260MHz Ant1









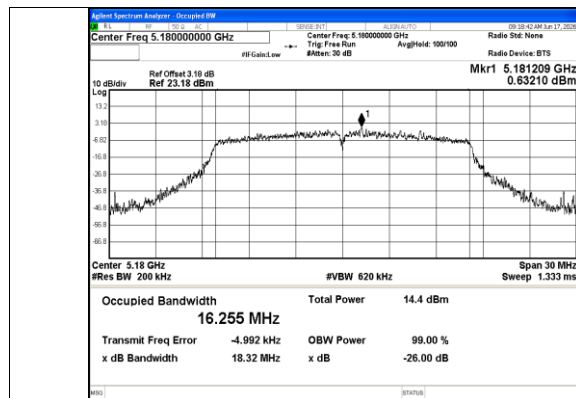
Maximum Average Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Conducted Power (W)	Gain (dBi)	eirp (dBm)	eirp (W)	Limit Conducted(dBm)	Limit EIRP (dBm)	Verdict
NVNT	a	5180	Ant1	10.6	0.01148	4.54	15.14	0.03266	23.98	22.11	Pass
NVNT	a	5200	Ant1	10.72	0.0118	4.54	15.26	0.03357	23.98	22.10	Pass
NVNT	a	5240	Ant1	10.88	0.01225	4.54	15.42	0.03483	23.98	22.10	Pass
NVNT	a	5260	Ant1	11.4	0.0138	4.57	15.97	0.03954	23.77	29.10	Pass
NVNT	a	5280	Ant1	9.18	0.00828	4.57	13.75	0.02371	23.74	29.10	Pass
NVNT	a	5320	Ant1	8.45	0.007	4.57	13.02	0.02004	23.75	29.10	Pass
NVNT	a	5500	Ant1	7.91	0.00618	4.85	12.76	0.01888	23.75	29.10	Pass
NVNT	a	5580	Ant1	7.71	0.0059	4.85	12.56	0.01803	23.64	29.10	Pass
NVNT	a	5700	Ant1	8.45	0.007	4.85	13.3	0.02138	23.69	29.10	Pass
NVNT	a	5745	Ant1	8.31	0.00678	5.37	13.68	0.02333	30.00	36.00	Pass
NVNT	a	5785	Ant1	9.08	0.00809	5.37	14.45	0.02786	30.00	36.00	Pass
NVNT	a	5825	Ant1	9.73	0.0094	5.37	15.1	0.03236	30.00	36.00	Pass
NVNT	n20	5180	Ant1	10.43	0.01104	4.54	14.97	0.03141	23.98	22.40	Pass
NVNT	n20	5200	Ant1	10.51	0.01125	4.54	15.05	0.03199	23.98	22.39	Pass
NVNT	n20	5240	Ant1	10.83	0.01211	4.54	15.37	0.03443	23.98	22.40	Pass
NVNT	n20	5260	Ant1	11.15	0.01303	4.57	15.72	0.03733	23.83	29.40	Pass
NVNT	n20	5280	Ant1	11.42	0.01387	4.57	15.99	0.03972	23.89	29.39	Pass
NVNT	n20	5320	Ant1	10.35	0.01084	4.57	14.92	0.03105	23.98	29.40	Pass
NVNT	n20	5500	Ant1	10.52	0.01127	4.85	15.37	0.03443	23.90	29.40	Pass
NVNT	n20	5580	Ant1	10.42	0.01102	4.85	15.27	0.03365	23.94	29.39	Pass
NVNT	n20	5700	Ant1	11.3	0.01349	4.85	16.15	0.04121	23.98	29.39	Pass
NVNT	n20	5745	Ant1	11.13	0.01297	5.37	16.5	0.04467	30.00	36.00	Pass
NVNT	n20	5785	Ant1	11.65	0.01462	5.37	17.02	0.05035	30.00	36.00	Pass
NVNT	n20	5825	Ant1	12.59	0.01816	5.37	17.96	0.06252	30.00	36.00	Pass
NVNT	n40	5190	Ant1	8.95	0.00785	4.54	13.49	0.02234	23.98	23.01	Pass
NVNT	n40	5230	Ant1	9	0.00794	4.54	13.54	0.02259	23.98	23.01	Pass
NVNT	n40	5270	Ant1	8.89	0.00774	4.57	13.46	0.02218	23.98	30.00	Pass
NVNT	n40	5310	Ant1	8.19	0.00659	4.57	12.76	0.01888	23.98	30.00	Pass
NVNT	n40	5510	Ant1	8.4	0.00692	4.85	13.25	0.02113	23.98	30.00	Pass
NVNT	n40	5550	Ant1	8.17	0.00656	4.85	13.02	0.02004	23.98	30.00	Pass
NVNT	n40	5670	Ant1	8.3	0.00676	4.85	13.15	0.02065	23.98	30.00	Pass
NVNT	n40	5755	Ant1	8.89	0.00774	5.37	14.26	0.02667	30.00	36.00	Pass
NVNT	n40	5795	Ant1	9.59	0.0091	5.37	14.96	0.03133	30.00	36.00	Pass

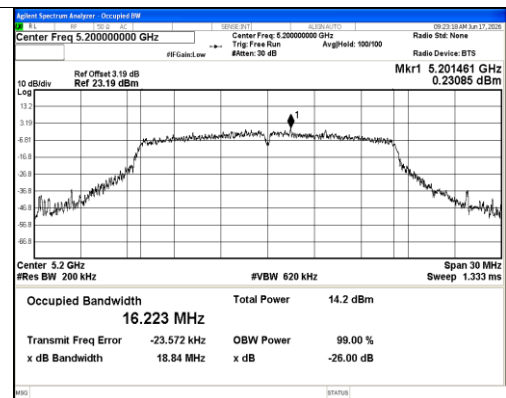
Note: For AVG power measurement results, the results already include the duty cycle factor.

Occupied Channel Bandwidth & 26dB Bandwidth

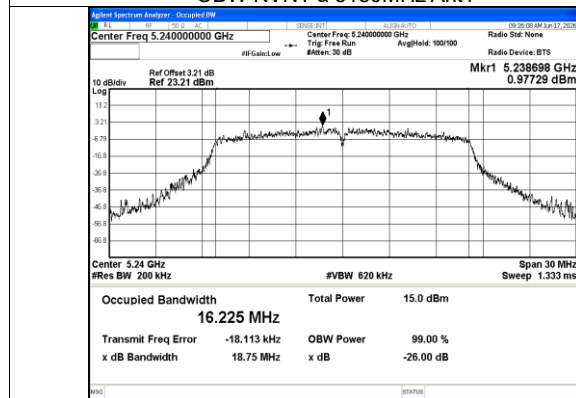
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	26 dB BW (MHz)
NVNT	a	5180	Ant1	16.255	18.32
NVNT	a	5200	Ant1	16.223	18.84
NVNT	a	5240	Ant1	16.225	18.75
NVNT	a	5260	Ant1	16.232	18.92
NVNT	a	5280	Ant1	16.234	18.80
NVNT	a	5320	Ant1	16.215	18.83
NVNT	a	5500	Ant1	16.217	18.85
NVNT	a	5580	Ant1	16.229	18.37
NVNT	a	5700	Ant1	16.203	18.58
NVNT	a	5745	Ant1	16.218	18.48
NVNT	a	5785	Ant1	16.195	18.61
NVNT	a	5825	Ant1	16.225	18.93
NVNT	n20	5180	Ant1	17.365	19.76
NVNT	n20	5200	Ant1	17.355	19.61
NVNT	n20	5240	Ant1	17.389	20.04
NVNT	n20	5260	Ant1	17.387	19.18
NVNT	n20	5280	Ant1	17.328	19.45
NVNT	n20	5320	Ant1	17.368	19.89
NVNT	n20	5500	Ant1	17.364	19.51
NVNT	n20	5580	Ant1	17.353	19.68
NVNT	n20	5700	Ant1	17.348	19.90
NVNT	n20	5745	Ant1	17.358	19.44
NVNT	n20	5785	Ant1	17.351	19.93
NVNT	n20	5825	Ant1	17.351	19.69
NVNT	n40	5190	Ant1	35.468	37.99
NVNT	n40	5230	Ant1	35.212	37.67
NVNT	n40	5270	Ant1	35.323	37.77
NVNT	n40	5310	Ant1	35.264	37.64
NVNT	n40	5510	Ant1	35.359	37.60
NVNT	n40	5550	Ant1	35.185	37.63
NVNT	n40	5670	Ant1	35.311	37.66
NVNT	n40	5755	Ant1	35.365	37.68
NVNT	n40	5795	Ant1	35.227	37.75



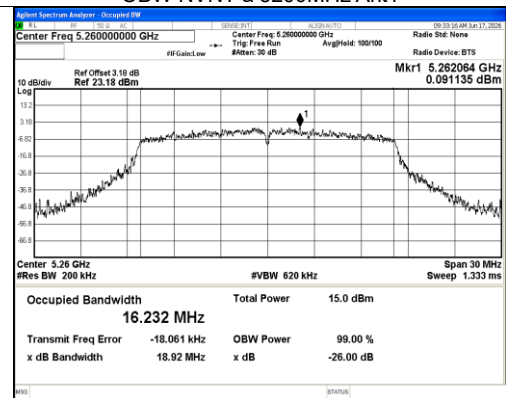
OBW NVNT a 5180MHz Ant1



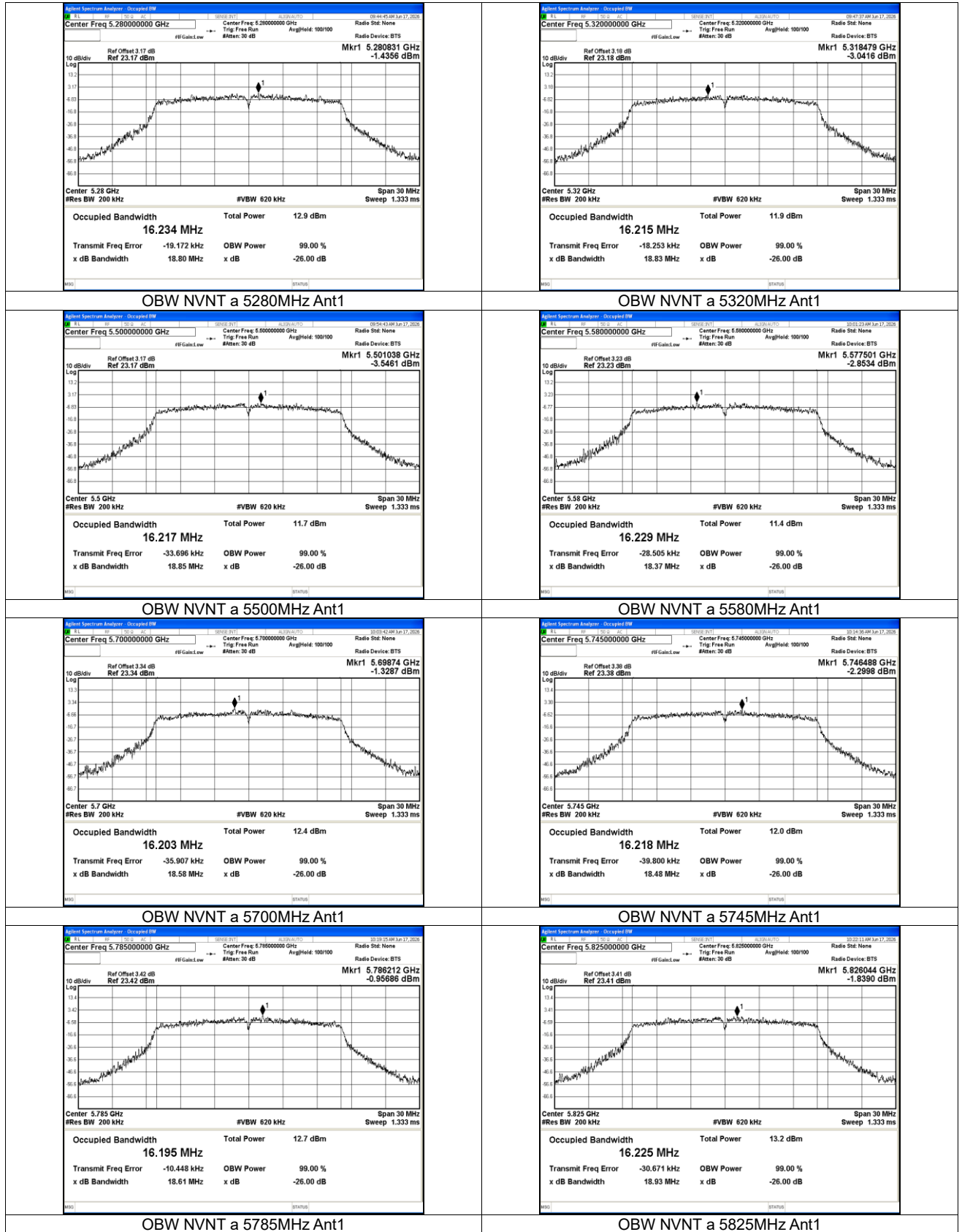
OBW NVNT a 5200MHz Ant1

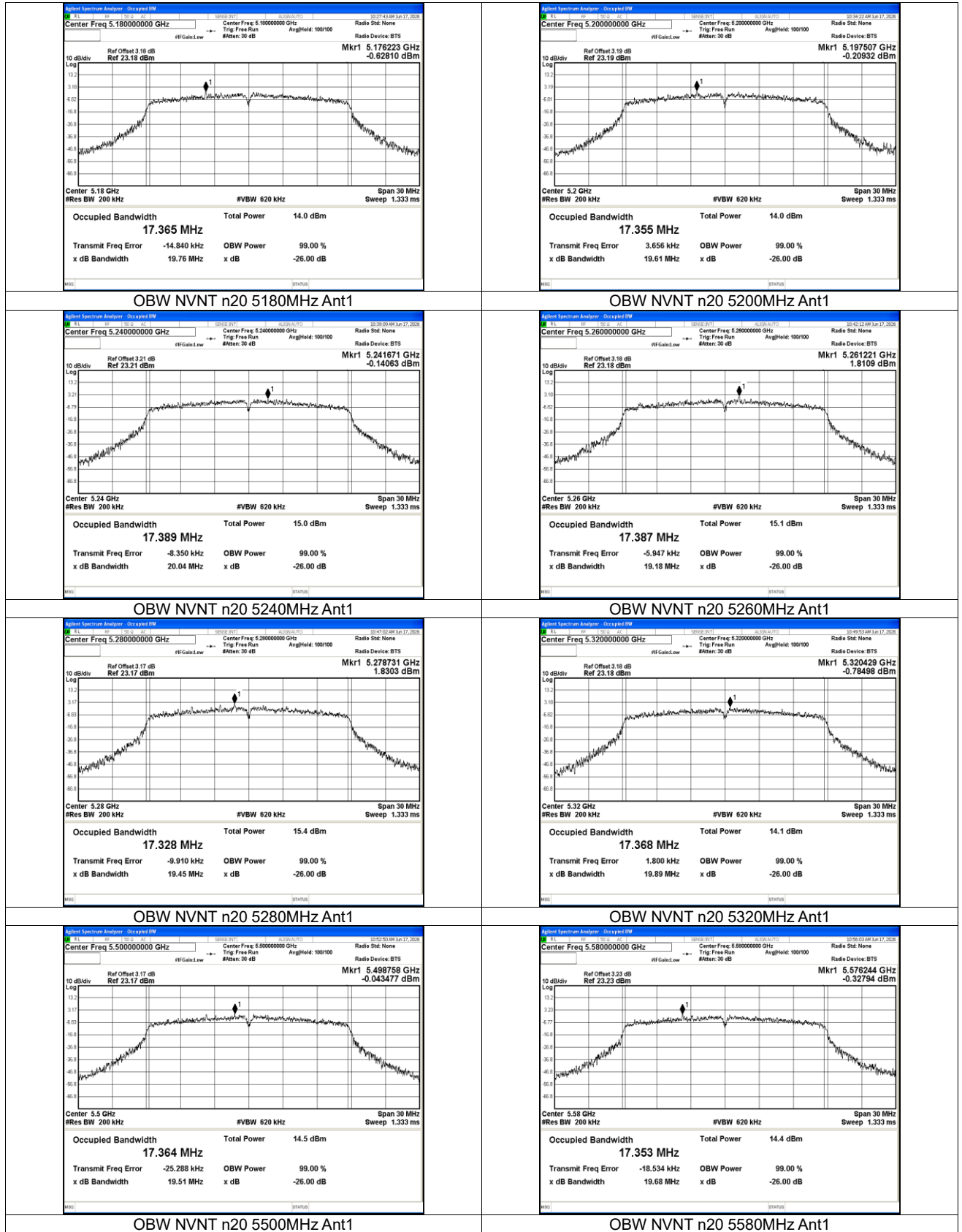


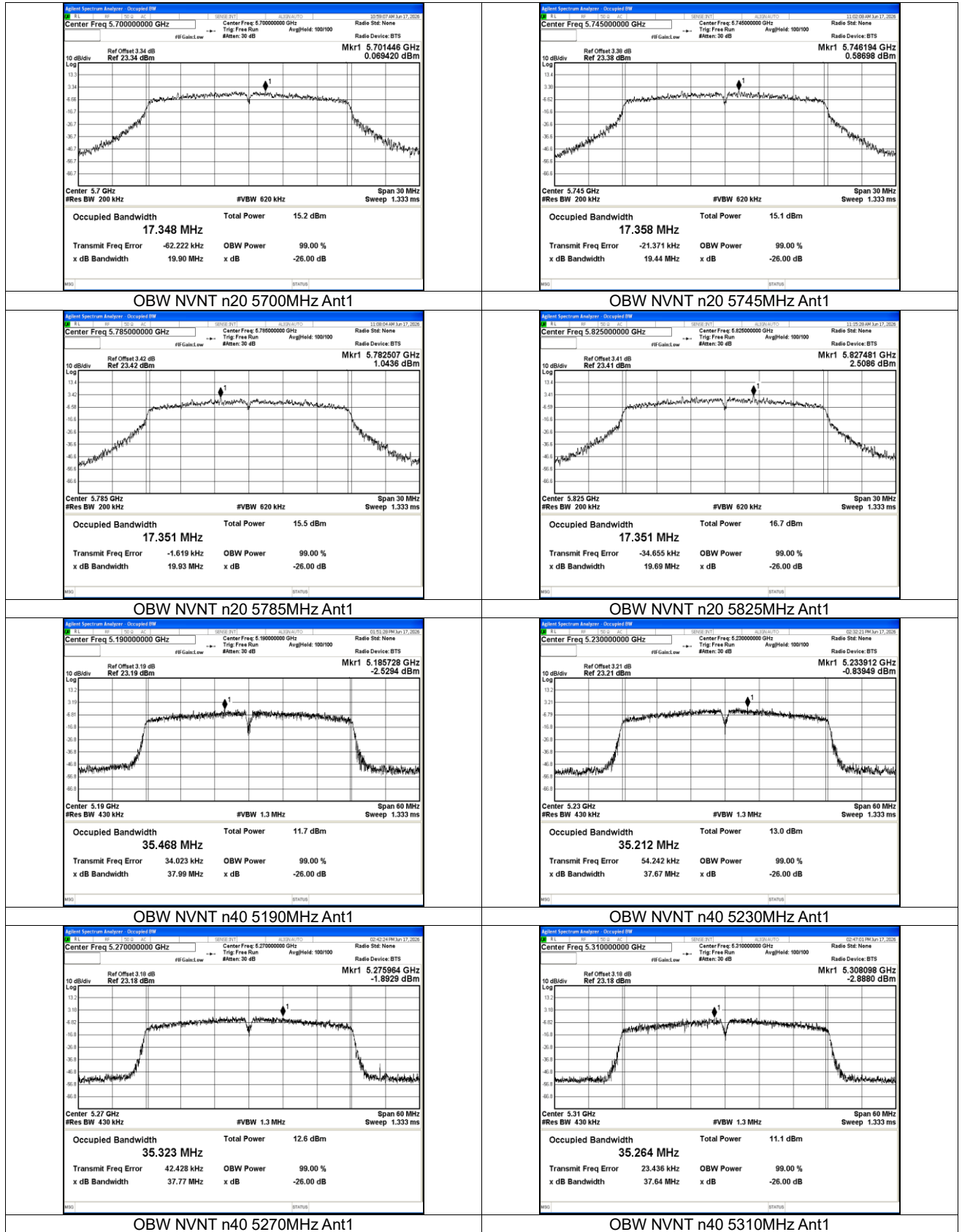
OBW NVNT a 5240MHz Ant1

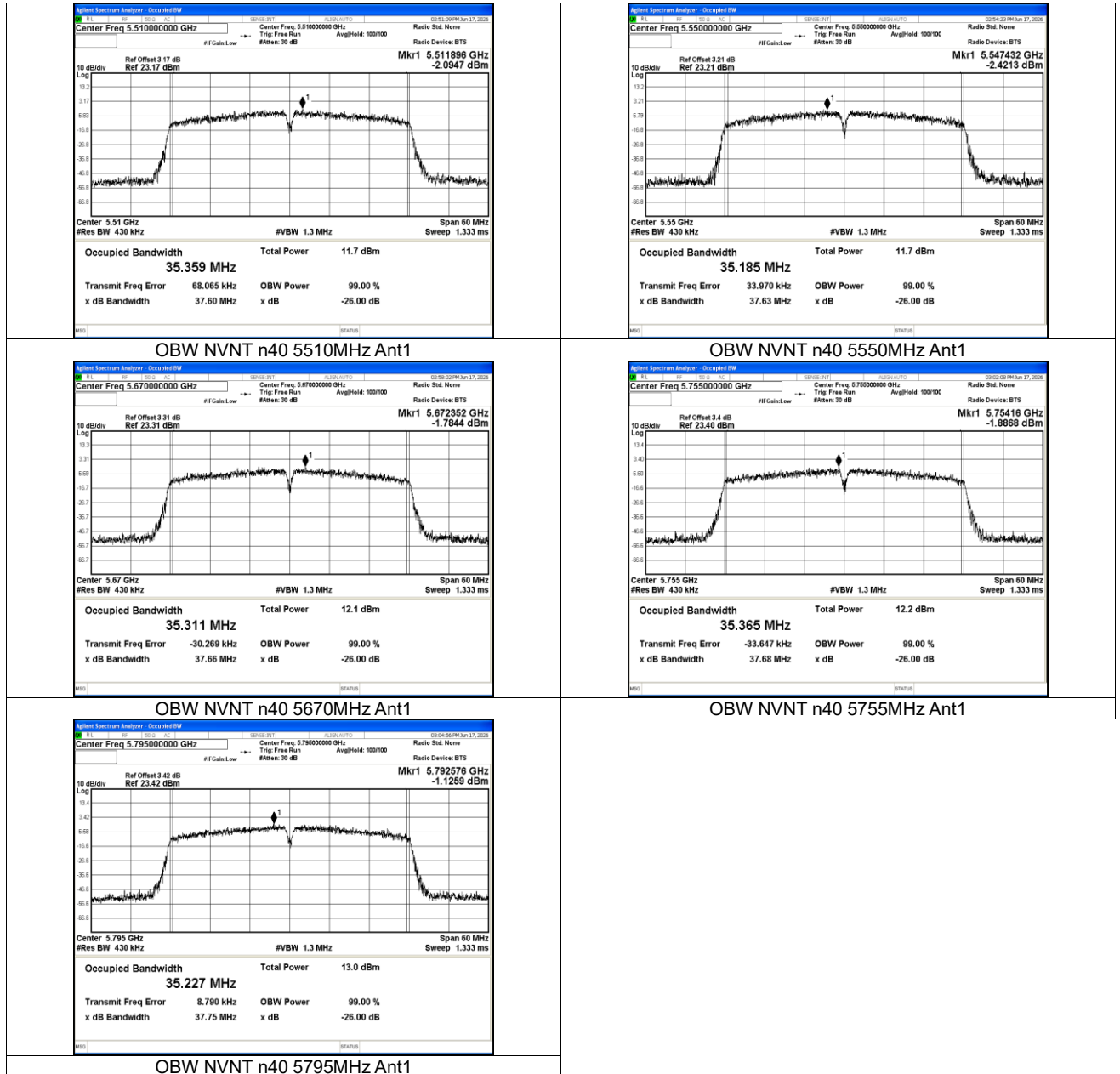


OBW NVNT a 5260MHz Ant1



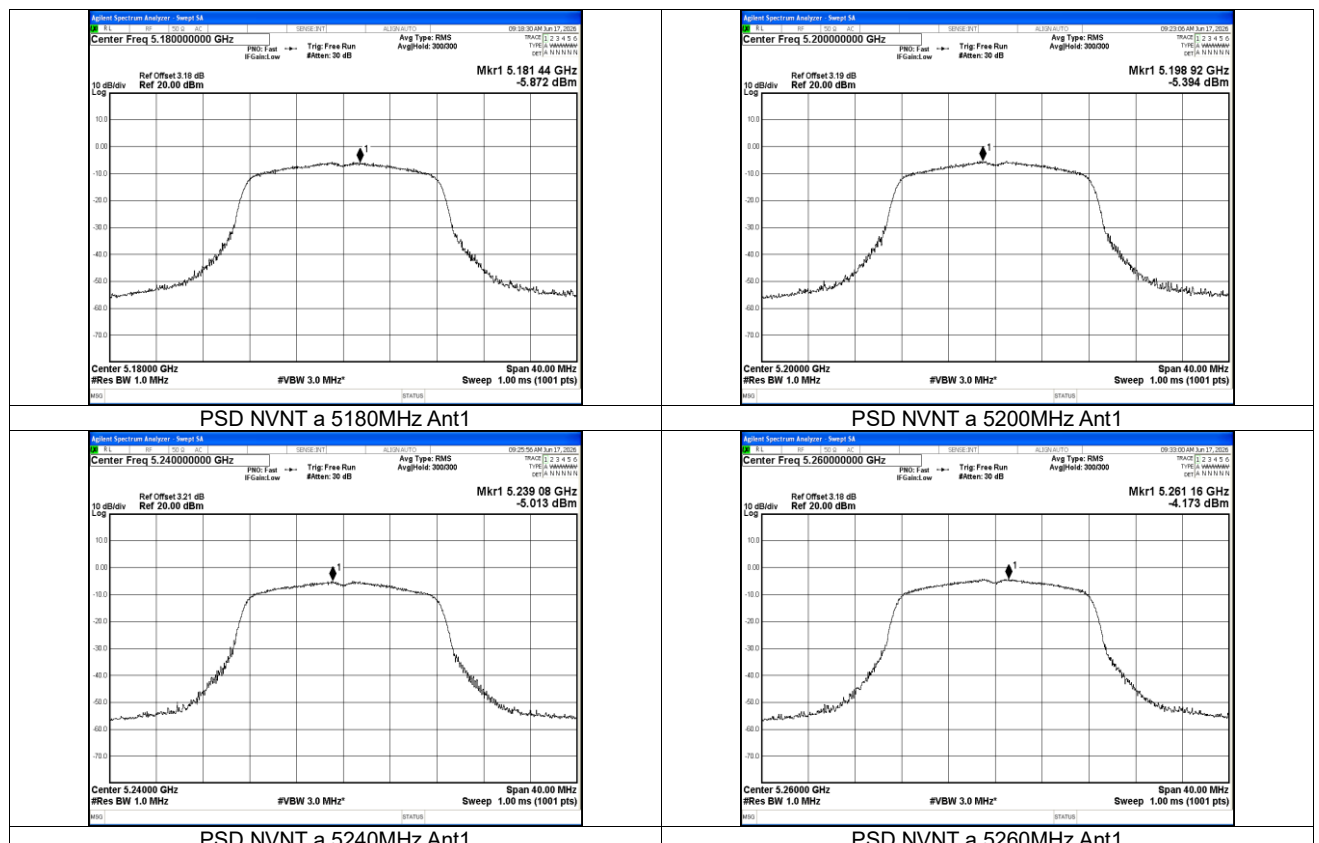


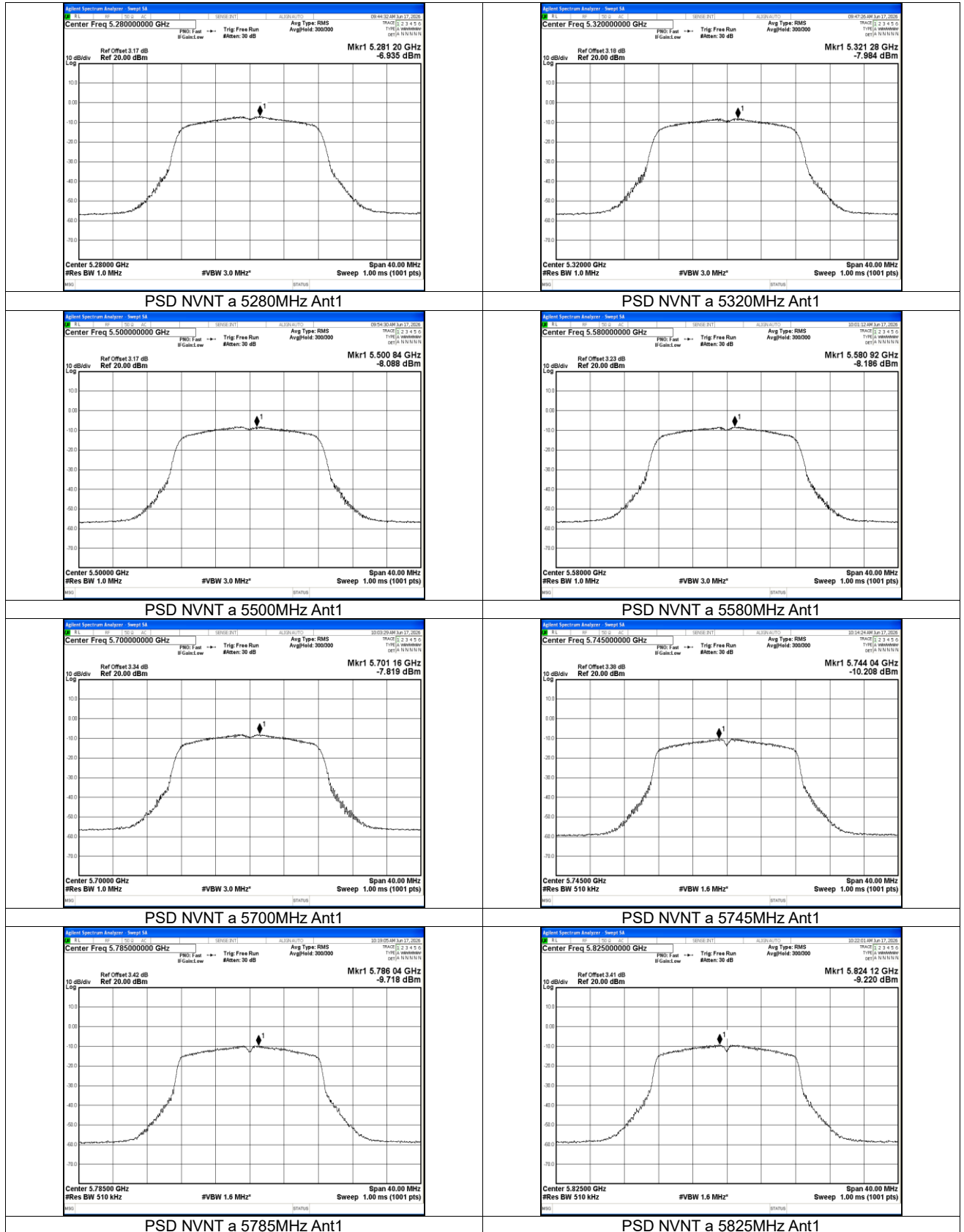


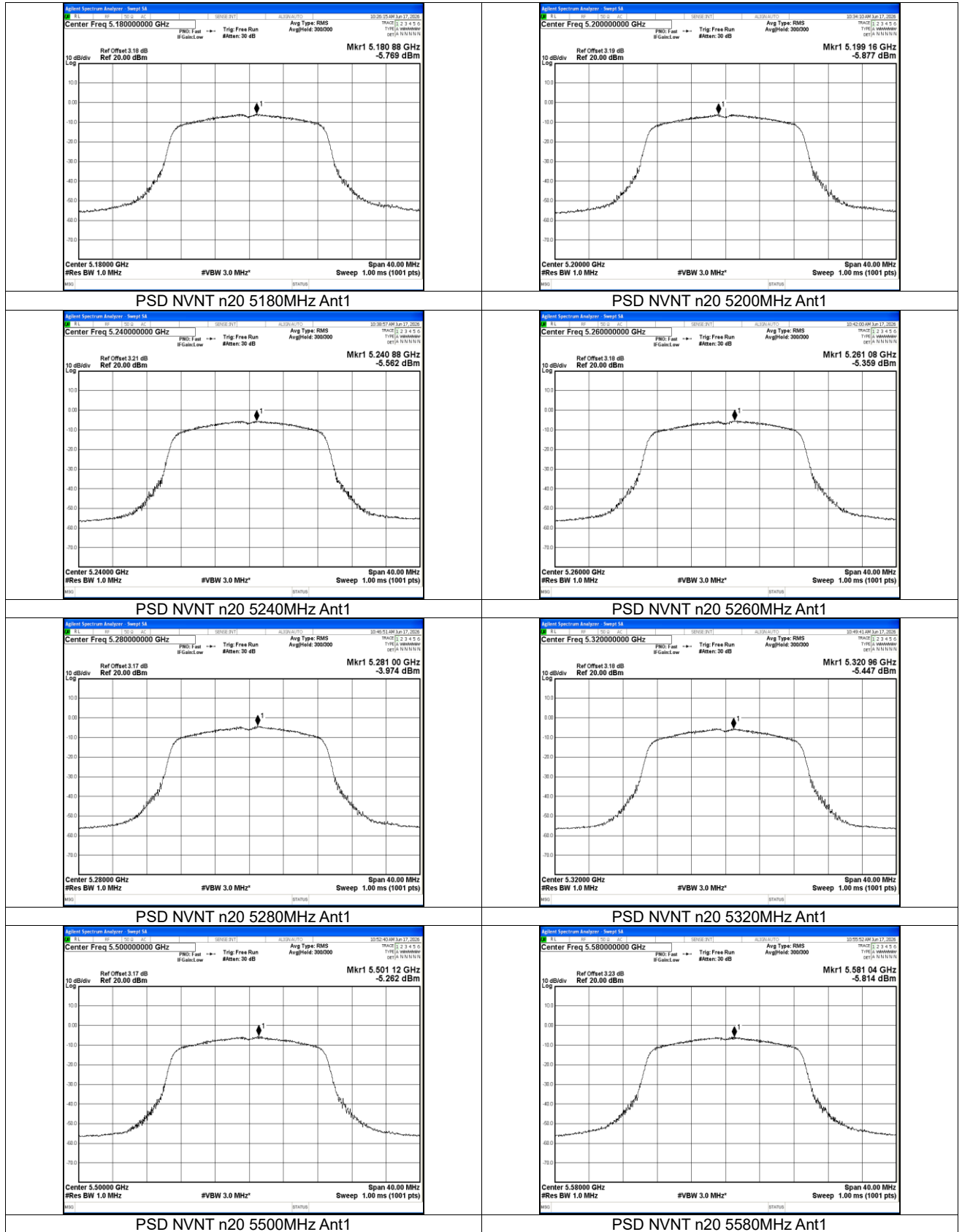


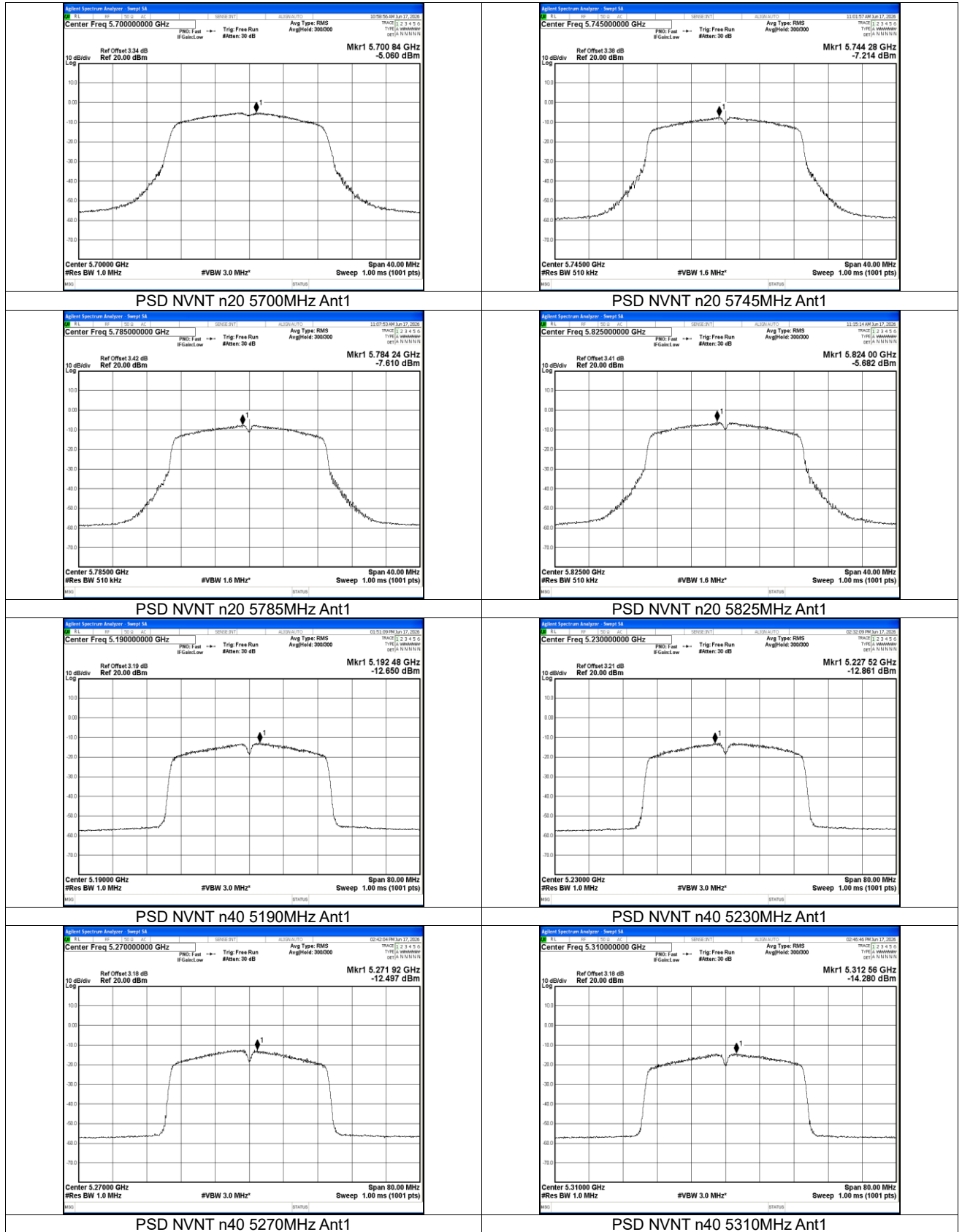
Maximum Power Spectral Density Level

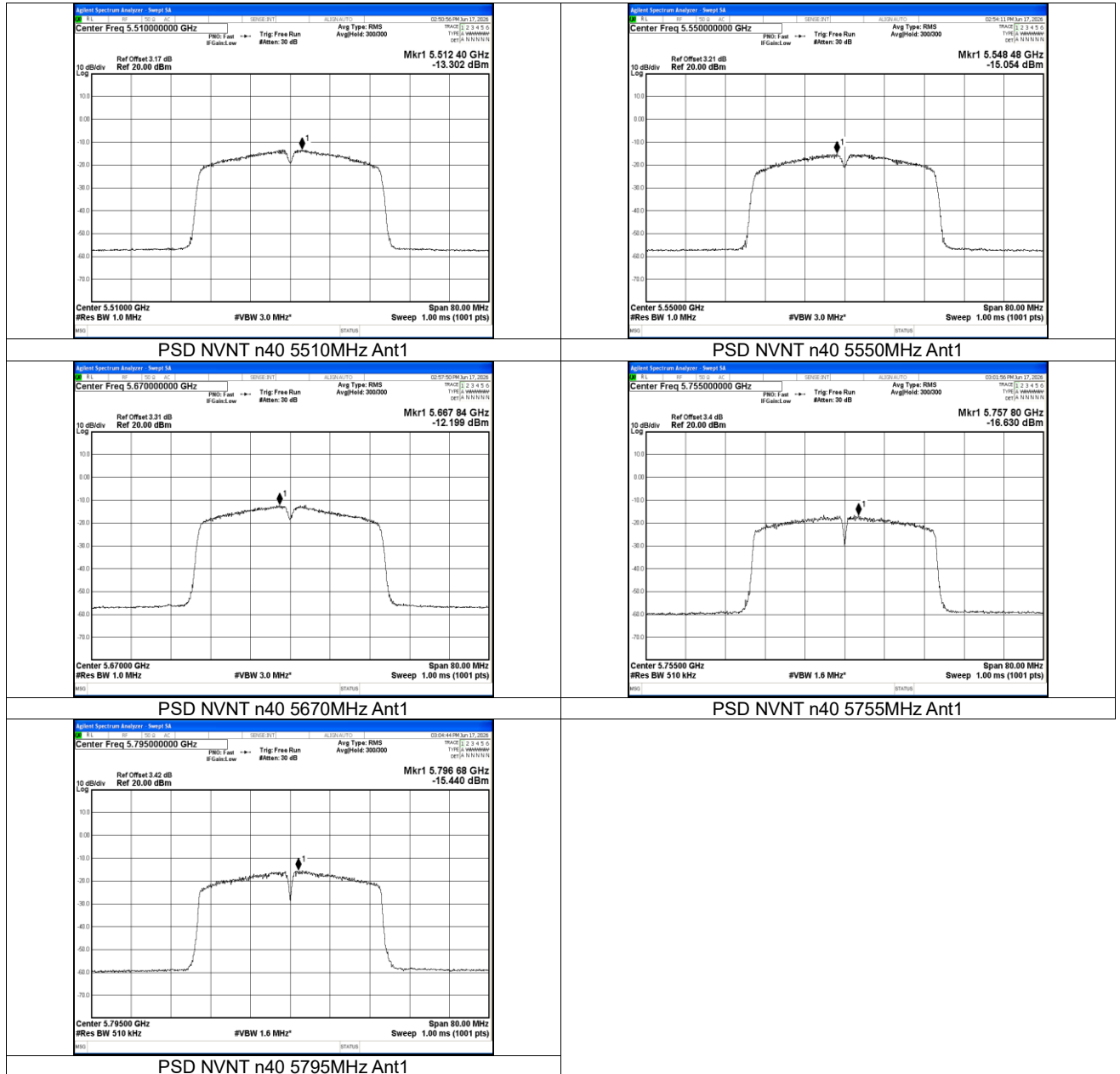
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total Conducted PSD (dBm)	Gain (dBi)	eirp PSD (dBm)	Limit Conducted (dBm)	Limit EIRP (dBm)	Verdict
NVNT	a	5180	Ant1	-5.87	5.64	-0.23	4.54	4.31	11	10	Pass
NVNT	a	5200	Ant1	-5.39	5.38	-0.01	4.54	4.53	11	10	Pass
NVNT	a	5240	Ant1	-5.01	5.6	0.59	4.54	5.13	11	10	Pass
NVNT	a	5260	Ant1	-4.17	5.52	1.35	4.57	5.92	11	--	Pass
NVNT	a	5280	Ant1	-6.94	5.72	-1.21	4.57	3.36	11	--	Pass
NVNT	a	5320	Ant1	-7.98	5.89	-2.09	4.57	2.48	11	--	Pass
NVNT	a	5500	Ant1	-8.09	7.48	-0.61	4.85	4.24	11	--	Pass
NVNT	a	5580	Ant1	-8.19	6.1	-2.09	4.85	2.76	11	--	Pass
NVNT	a	5700	Ant1	-7.82	5.31	-2.51	4.85	2.34	11	--	Pass
NVNT	a	5745	Ant1	-10.21	5.46	-4.75	5.37	0.62	30	--	Pass
NVNT	a	5785	Ant1	-9.72	5.39	-4.33	5.37	1.04	30	--	Pass
NVNT	a	5825	Ant1	-9.22	5.93	-3.29	5.37	2.08	30	--	Pass
NVNT	n20	5180	Ant1	-5.77	5.4	-0.37	4.54	4.17	11	10	Pass
NVNT	n20	5200	Ant1	-5.88	4.73	-1.15	4.54	3.39	11	10	Pass
NVNT	n20	5240	Ant1	-5.56	5.7	0.14	4.54	4.68	11	10	Pass
NVNT	n20	5260	Ant1	-5.36	5.89	0.53	4.57	5.1	11	--	Pass
NVNT	n20	5280	Ant1	-3.97	5.9	1.93	4.57	6.5	11	--	Pass
NVNT	n20	5320	Ant1	-5.45	5.53	0.08	4.57	4.65	11	--	Pass
NVNT	n20	5500	Ant1	-5.26	5.89	0.63	4.85	5.48	11	--	Pass
NVNT	n20	5580	Ant1	-5.81	5.95	0.14	4.85	4.99	11	--	Pass
NVNT	n20	5700	Ant1	-5.06	6.72	1.66	4.85	6.51	11	--	Pass
NVNT	n20	5745	Ant1	-7.21	5.99	-1.22	5.37	4.15	30	--	Pass
NVNT	n20	5785	Ant1	-7.61	5.66	-1.95	5.37	3.42	30	--	Pass
NVNT	n20	5825	Ant1	-5.68	5.7	0.02	5.37	5.39	30	--	Pass
NVNT	n40	5190	Ant1	-12.65	8.56	-4.09	4.54	0.45	11	10	Pass
NVNT	n40	5230	Ant1	-12.86	8.72	-4.14	4.54	0.4	11	10	Pass
NVNT	n40	5270	Ant1	-12.5	8.62	-3.88	4.57	0.69	11	--	Pass
NVNT	n40	5310	Ant1	-14.28	8.74	-5.54	4.57	-0.97	11	--	Pass
NVNT	n40	5510	Ant1	-13.3	8.71	-4.59	4.85	0.26	11	--	Pass
NVNT	n40	5550	Ant1	-15.05	8.71	-6.34	4.85	-1.49	11	--	Pass
NVNT	n40	5670	Ant1	-12.2	8.57	-3.63	4.85	1.22	11	--	Pass
NVNT	n40	5755	Ant1	-16.63	9.29	-7.34	5.37	-1.97	30	--	Pass
NVNT	n40	5795	Ant1	-15.44	8.58	-6.86	5.37	-1.49	30	--	Pass











Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-41.61	-27	Pass
NVNT	a	5240	Ant1	-40.89	-27	Pass
NVNT	a	5260	Ant1	-41.33	-27	Pass
NVNT	a	5320	Ant1	-40.66	-27	Pass
NVNT	a	5500	Ant1	-41.2	-27	Pass
NVNT	a	5700	Ant1	-40.18	-27	Pass
NVNT	a	5745	Ant1	-41.78		Pass
NVNT	a	5825	Ant1	-38.29		Pass
NVNT	n20	5180	Ant1	-42.31	-27	Pass
NVNT	n20	5240	Ant1	-41.5	-27	Pass
NVNT	n20	5260	Ant1	-42.16	-27	Pass
NVNT	n20	5320	Ant1	-40.71	-27	Pass
NVNT	n20	5500	Ant1	-40.98	-27	Pass
NVNT	n20	5700	Ant1	-40.15	-27	Pass
NVNT	n20	5745	Ant1	-39.9		Pass
NVNT	n20	5825	Ant1	-40.48		Pass
NVNT	n40	5190	Ant1	-41.89	-27	Pass
NVNT	n40	5230	Ant1	-41.15	-27	Pass
NVNT	n40	5270	Ant1	-42.39	-27	Pass
NVNT	n40	5310	Ant1	-40.01	-27	Pass
NVNT	n40	5510	Ant1	-40.57	-27	Pass
NVNT	n40	5670	Ant1	-40.87	-27	Pass
NVNT	n40	5755	Ant1	-41.85		Pass
NVNT	n40	5795	Ant1	-41		Pass

Note: The gain value has been compensated in the test chart.

