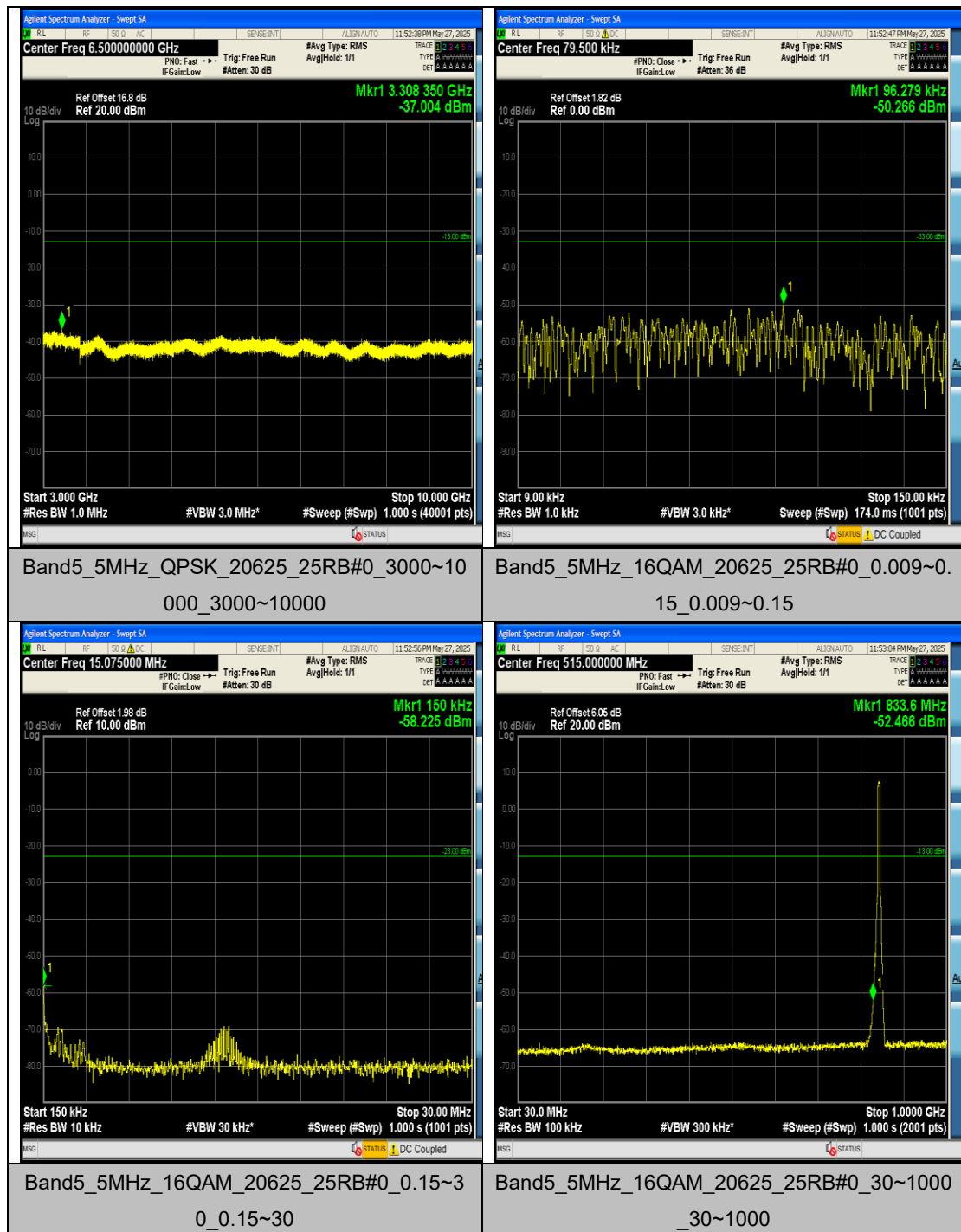
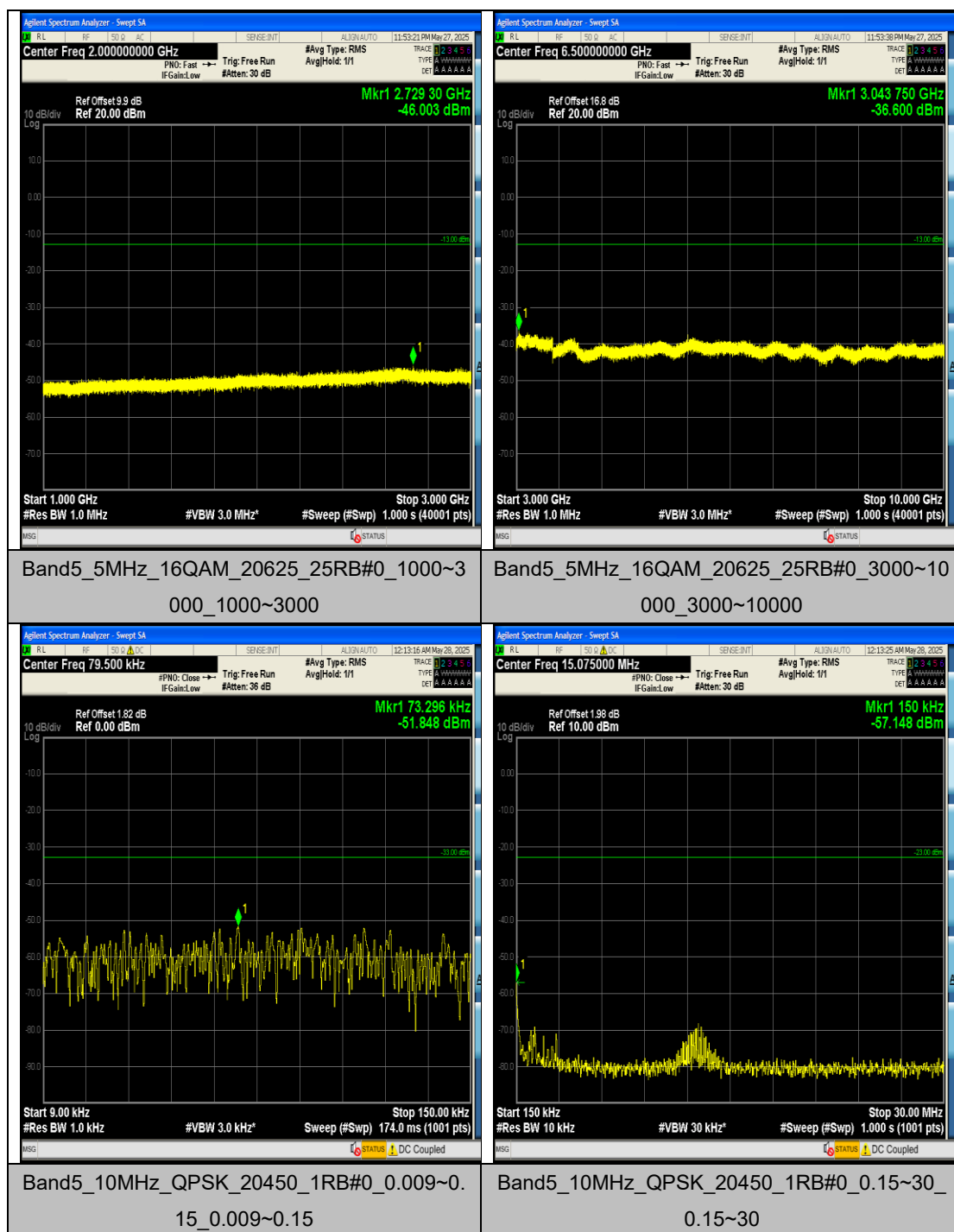
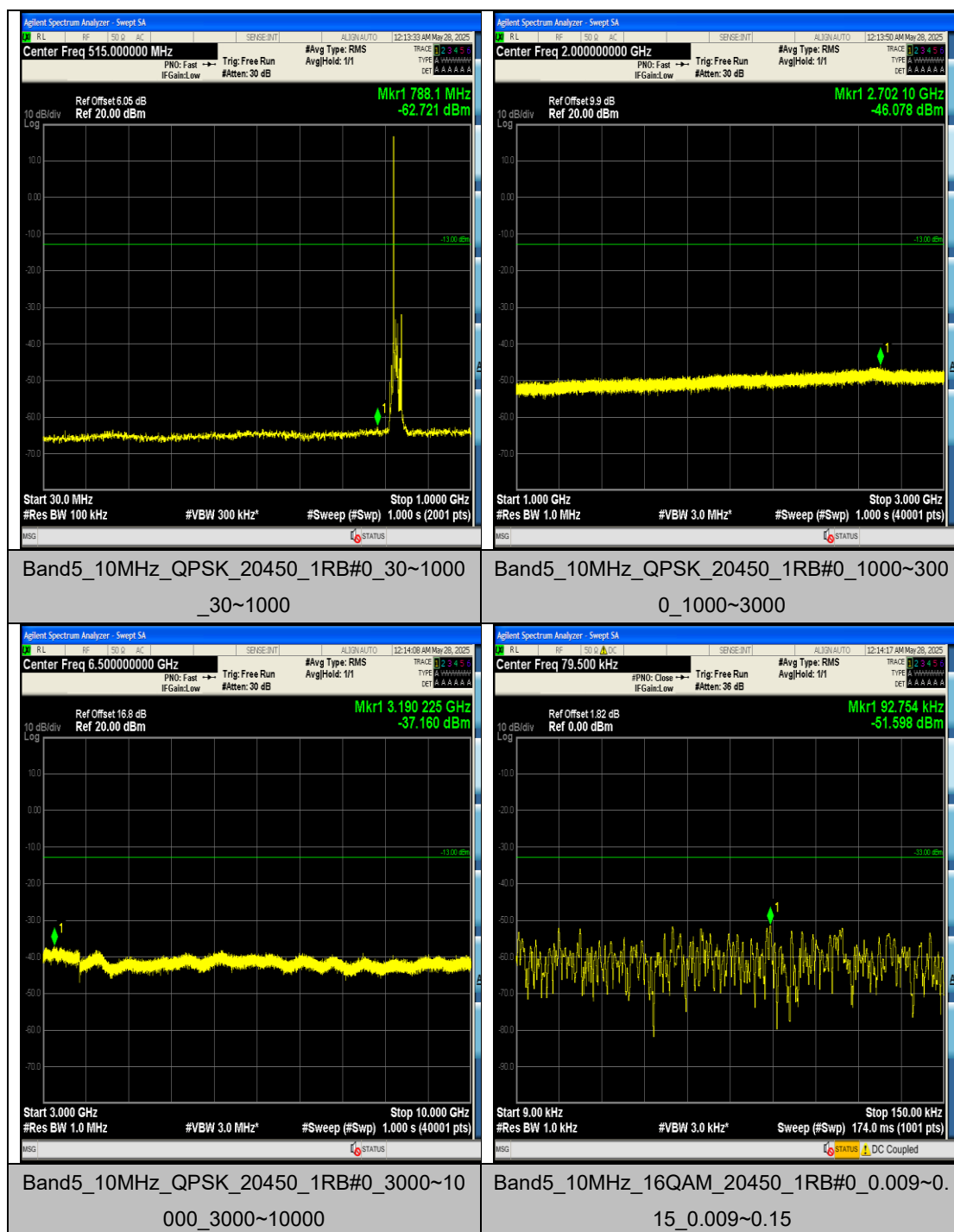
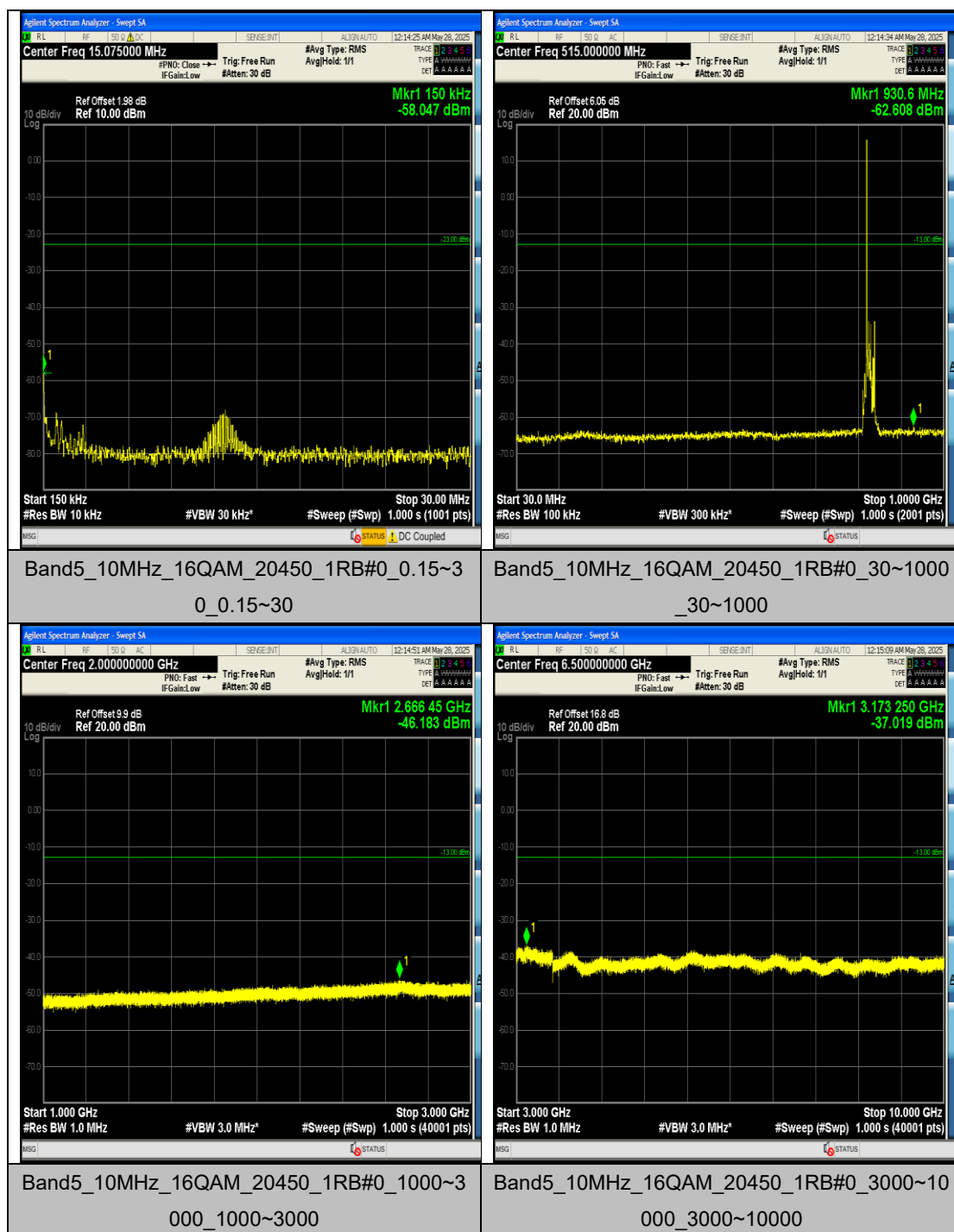
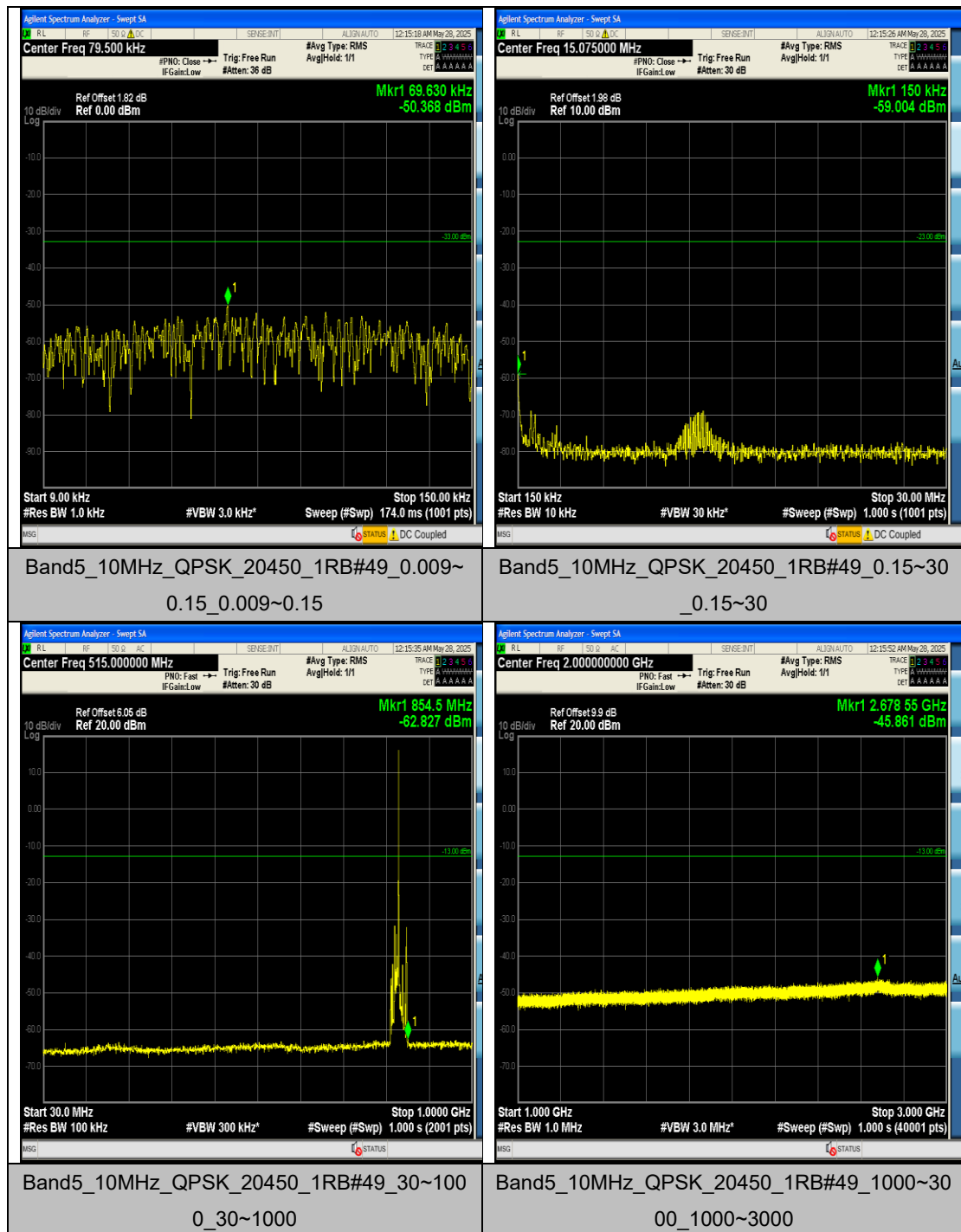


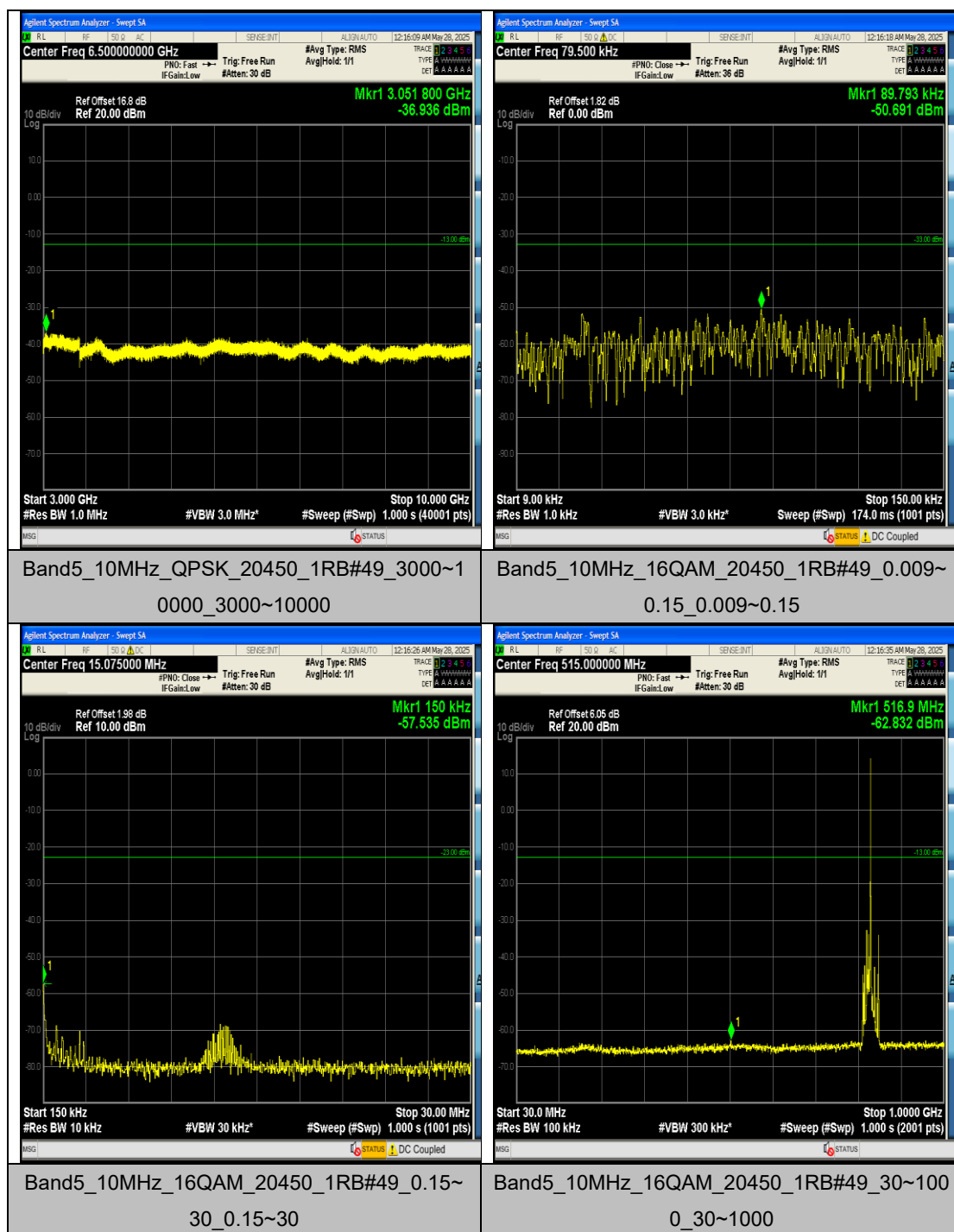


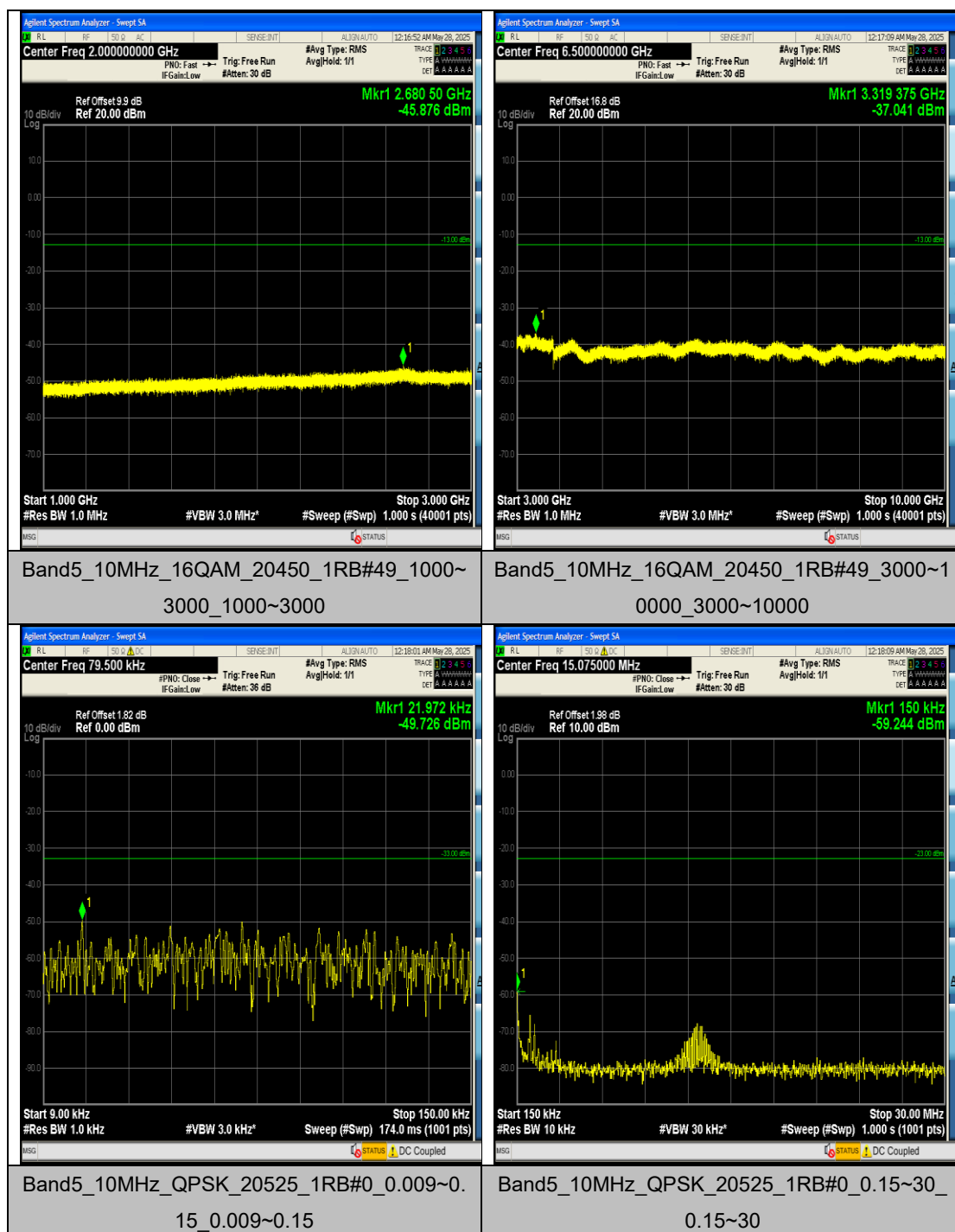


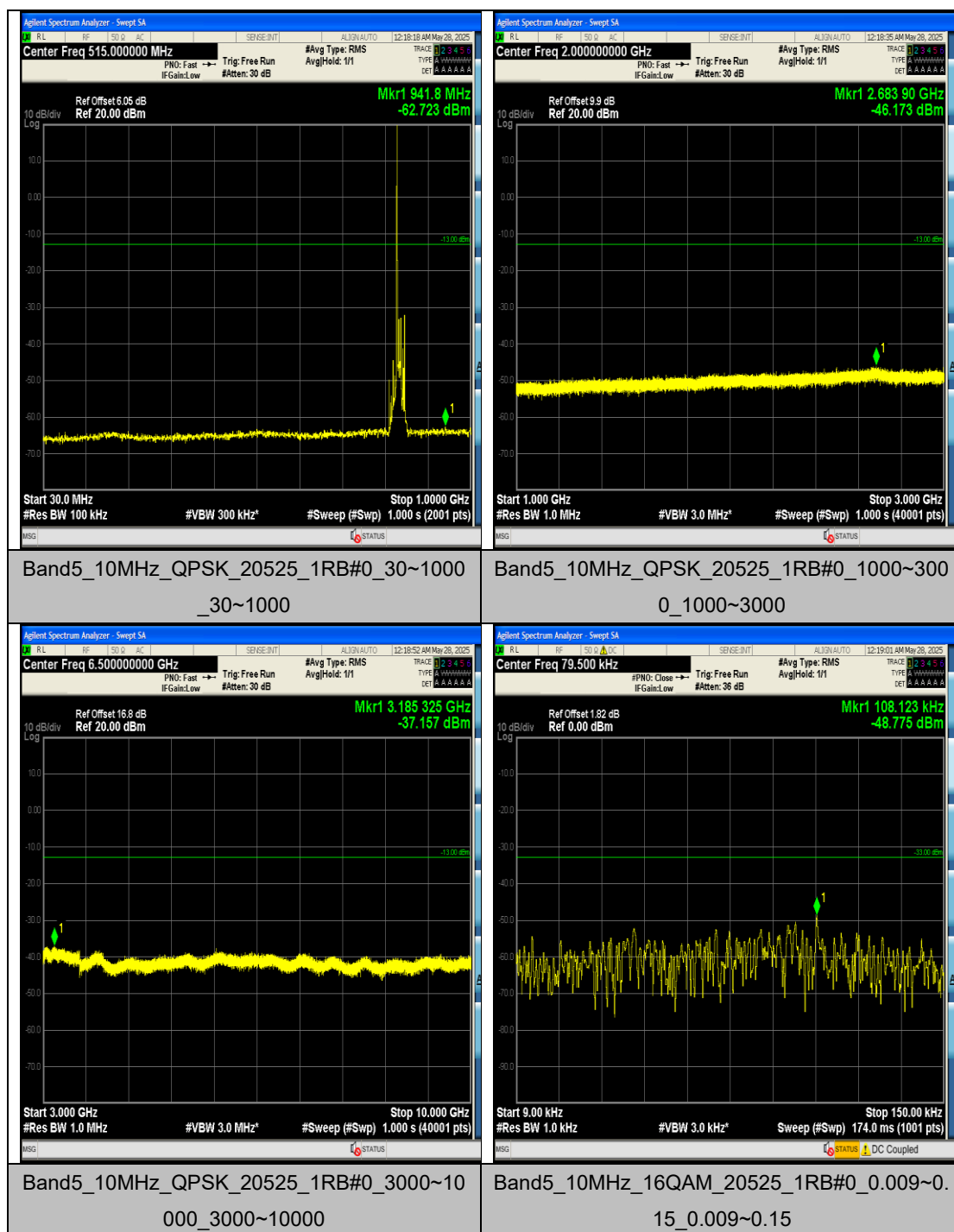


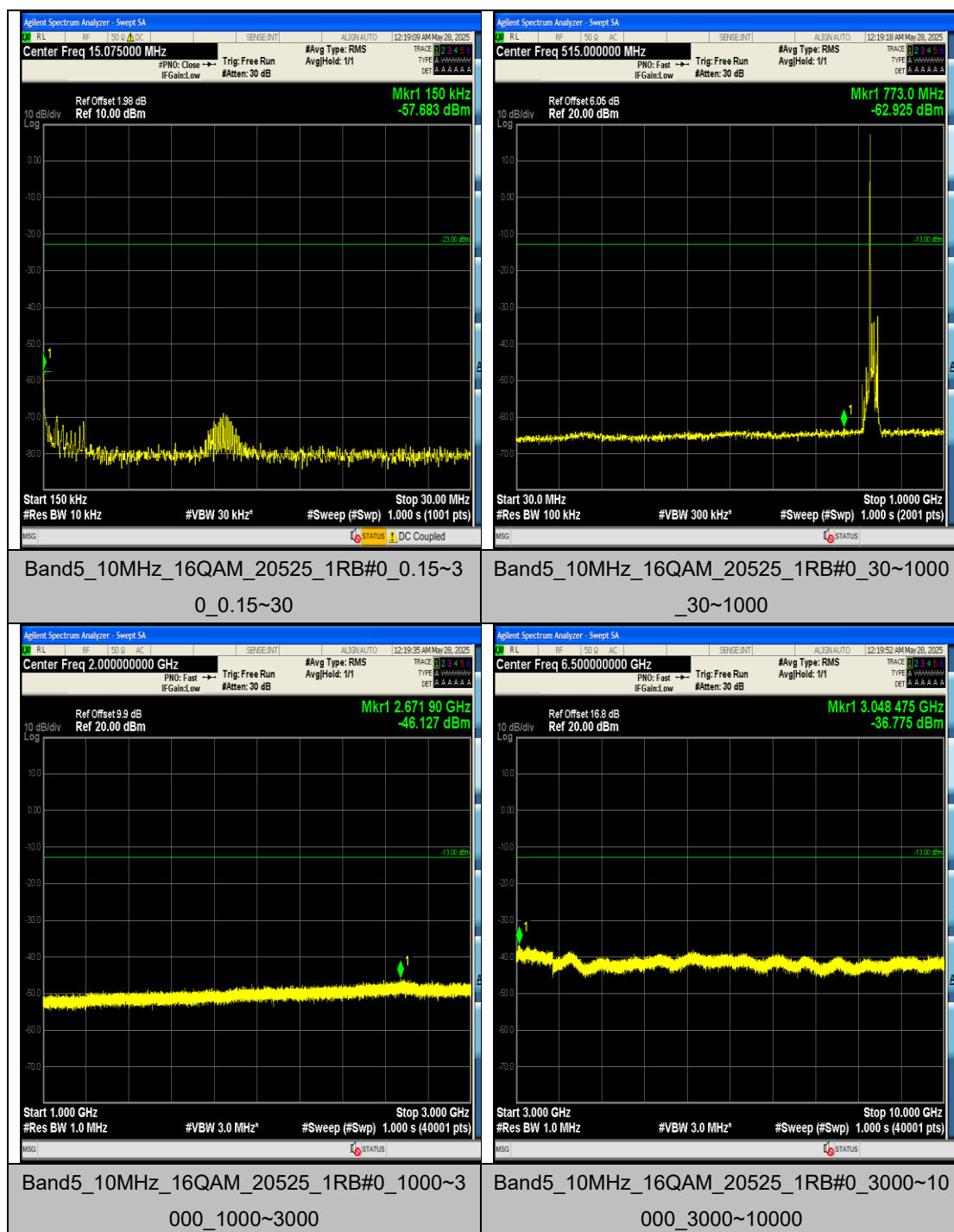


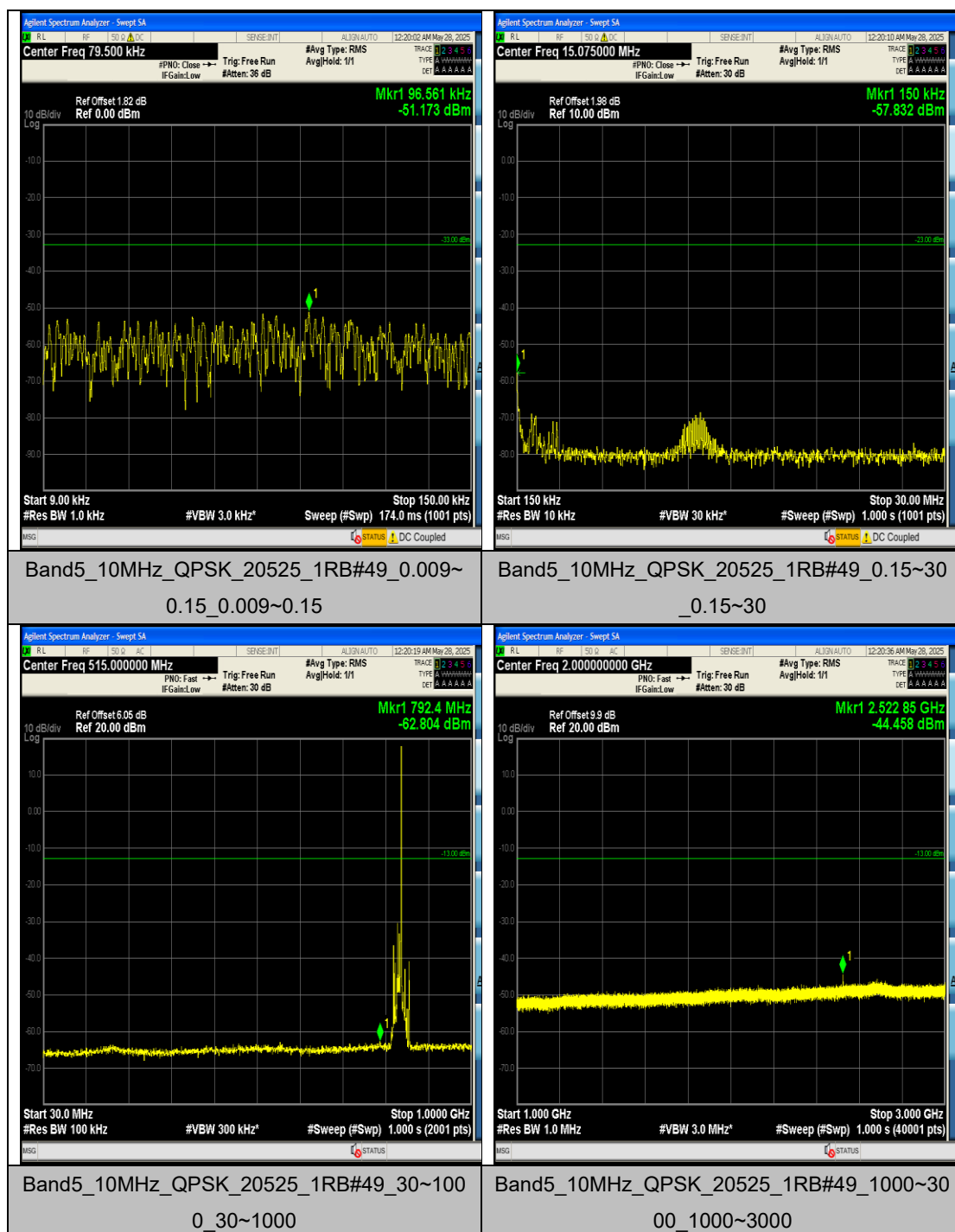


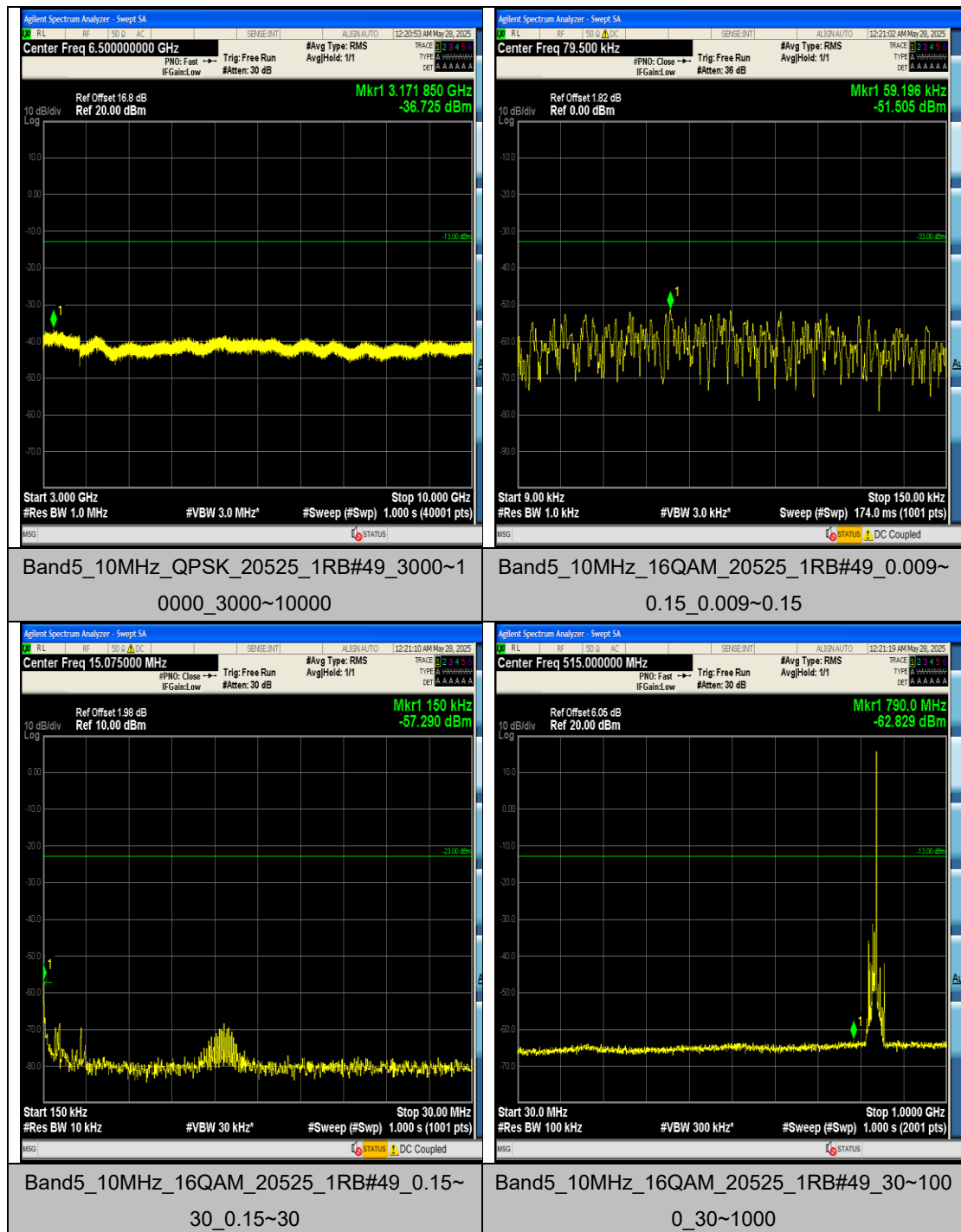


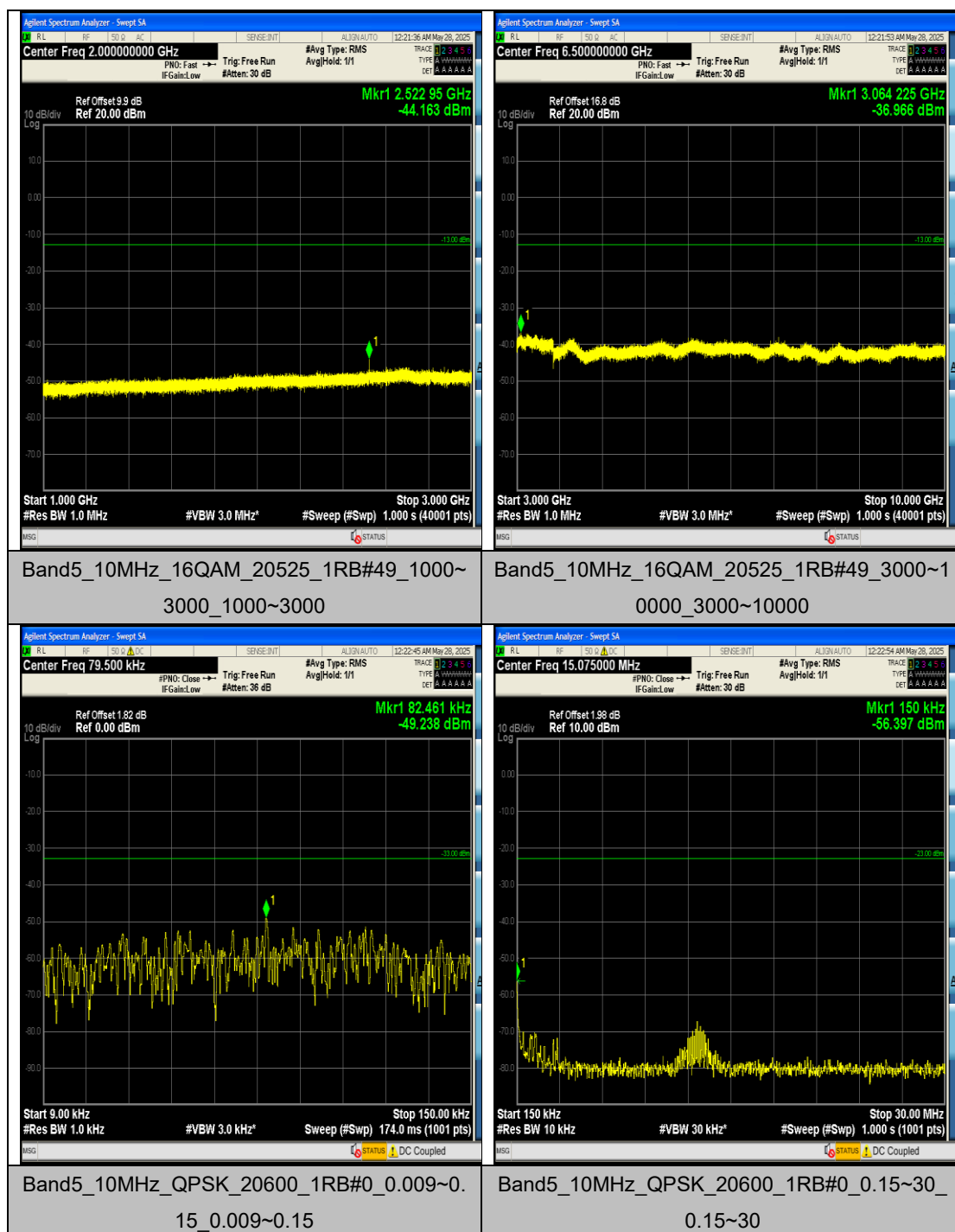


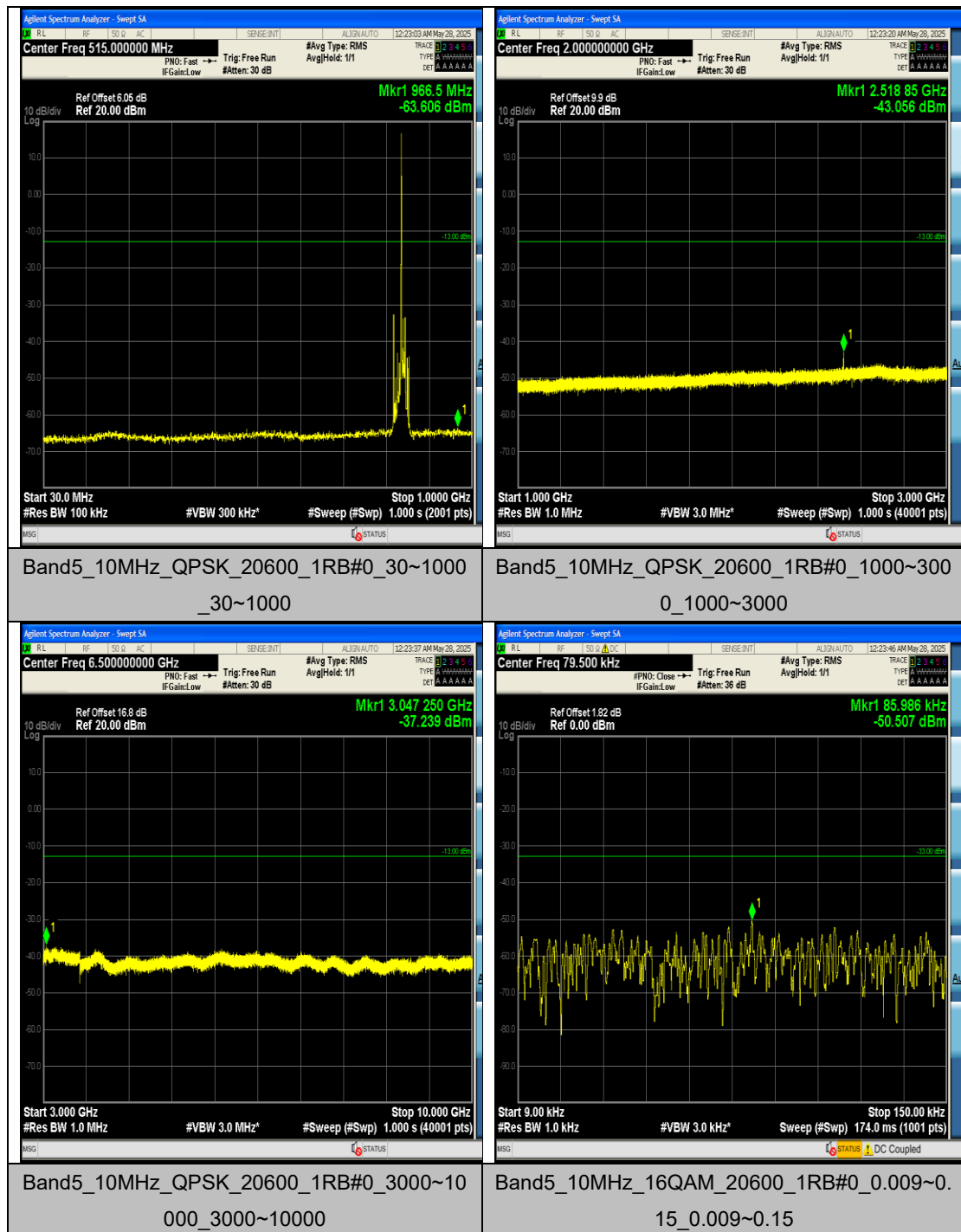


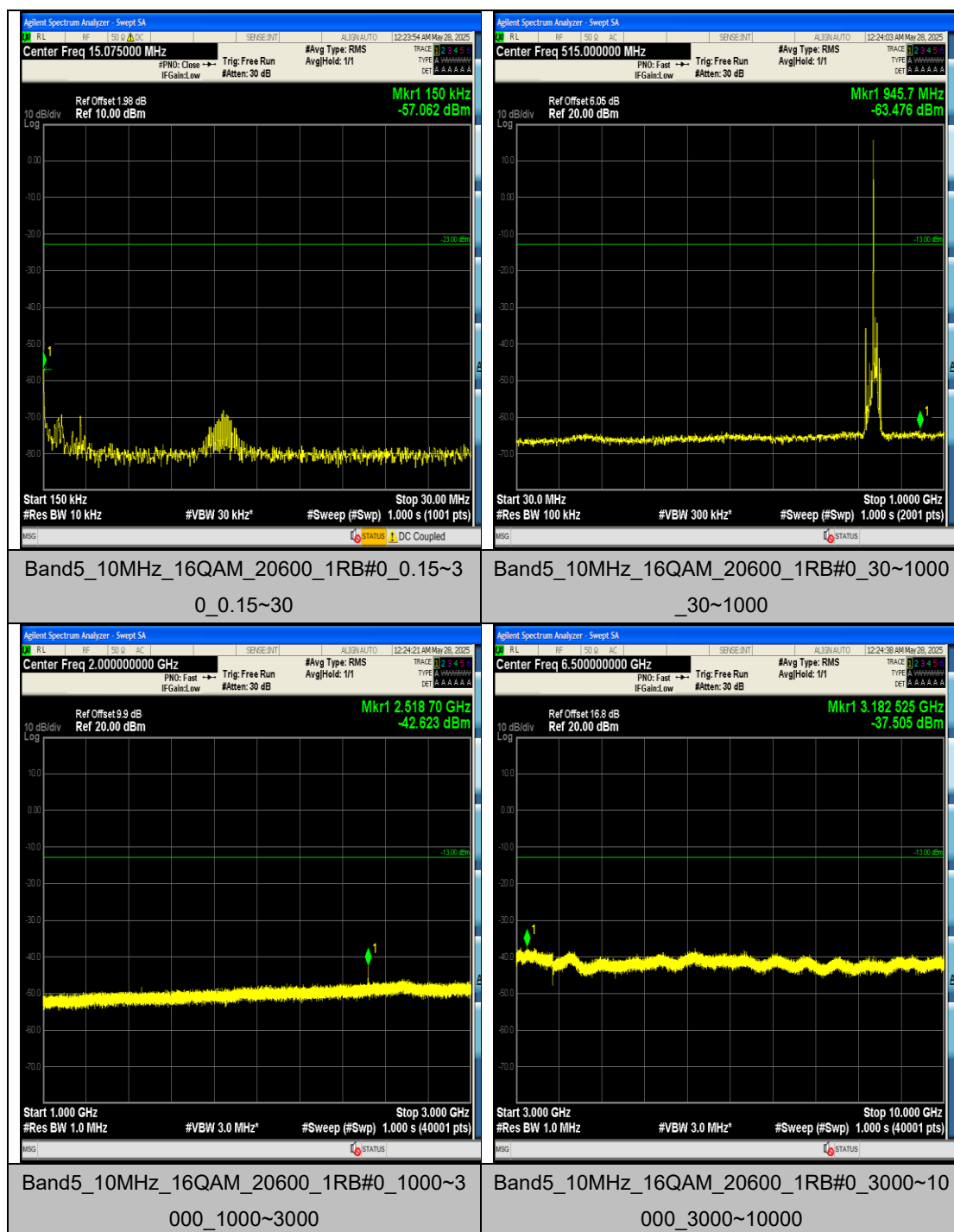


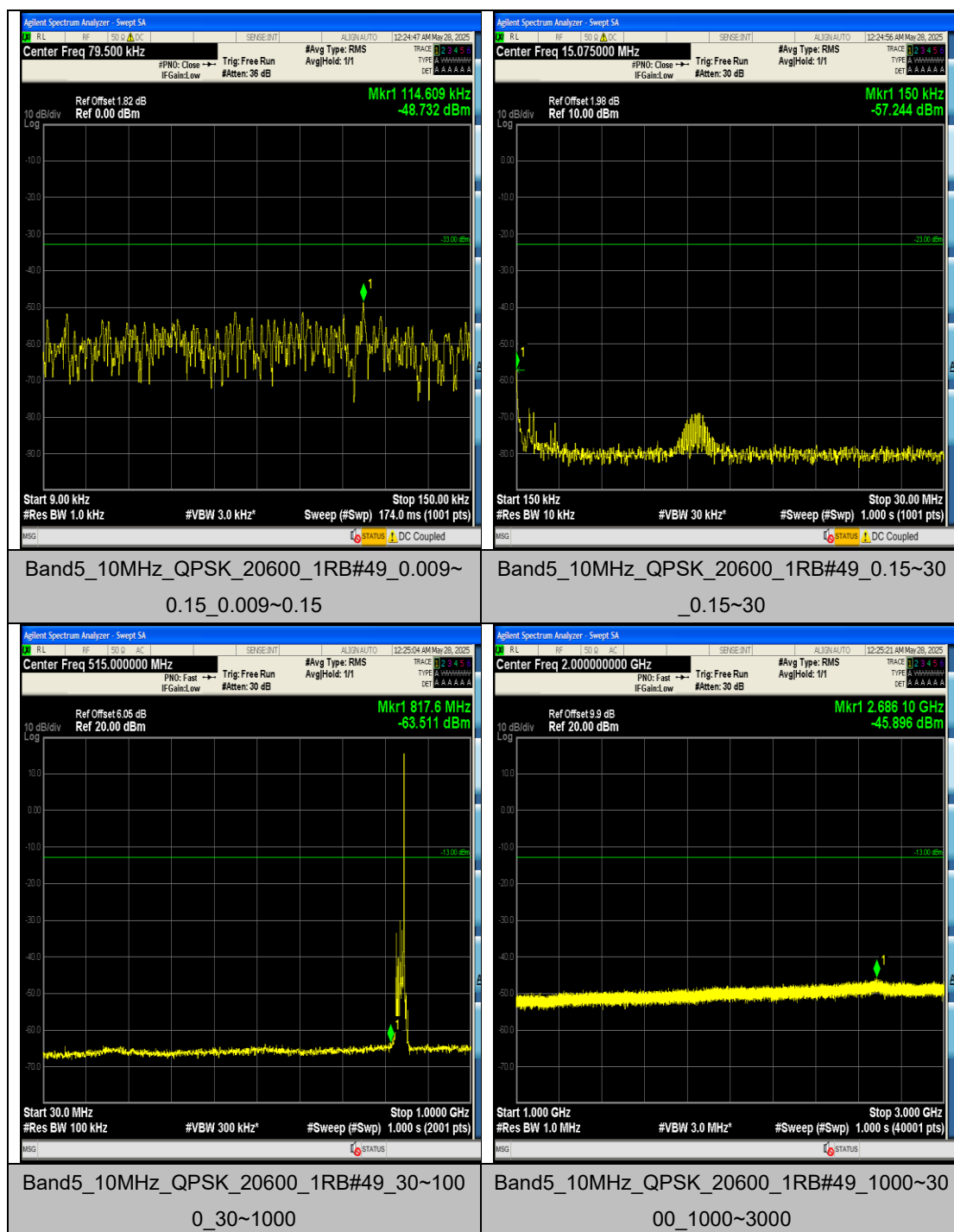


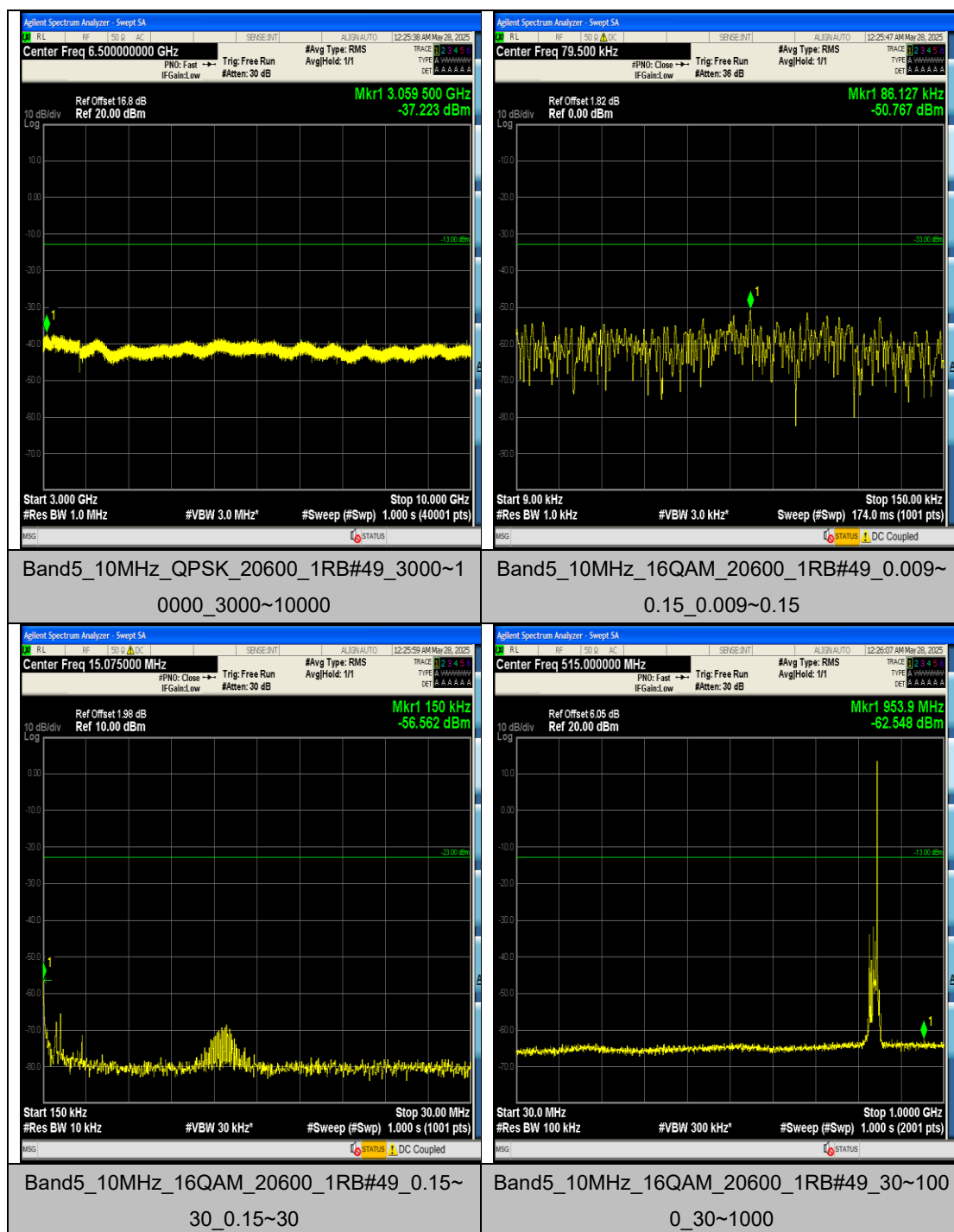


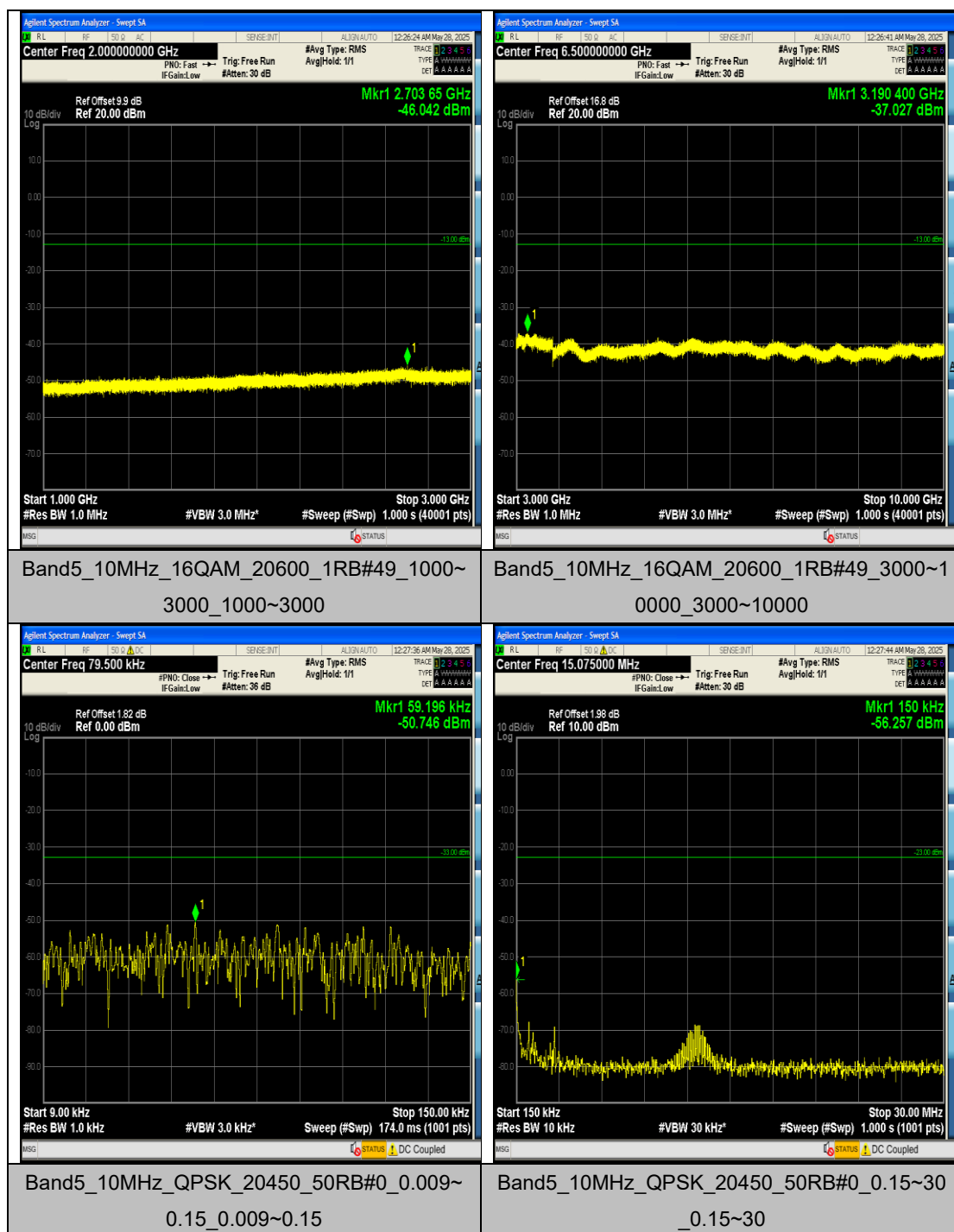


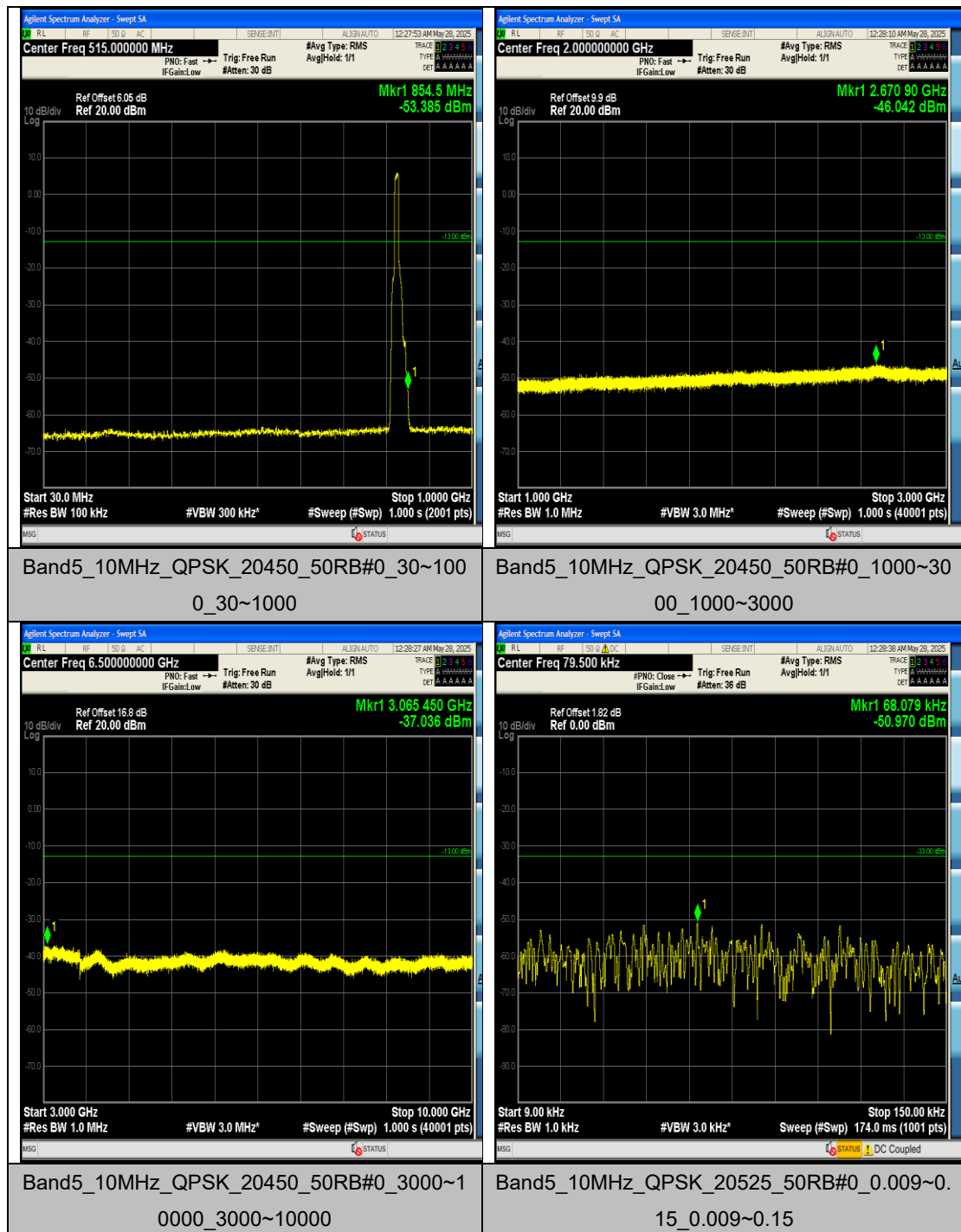


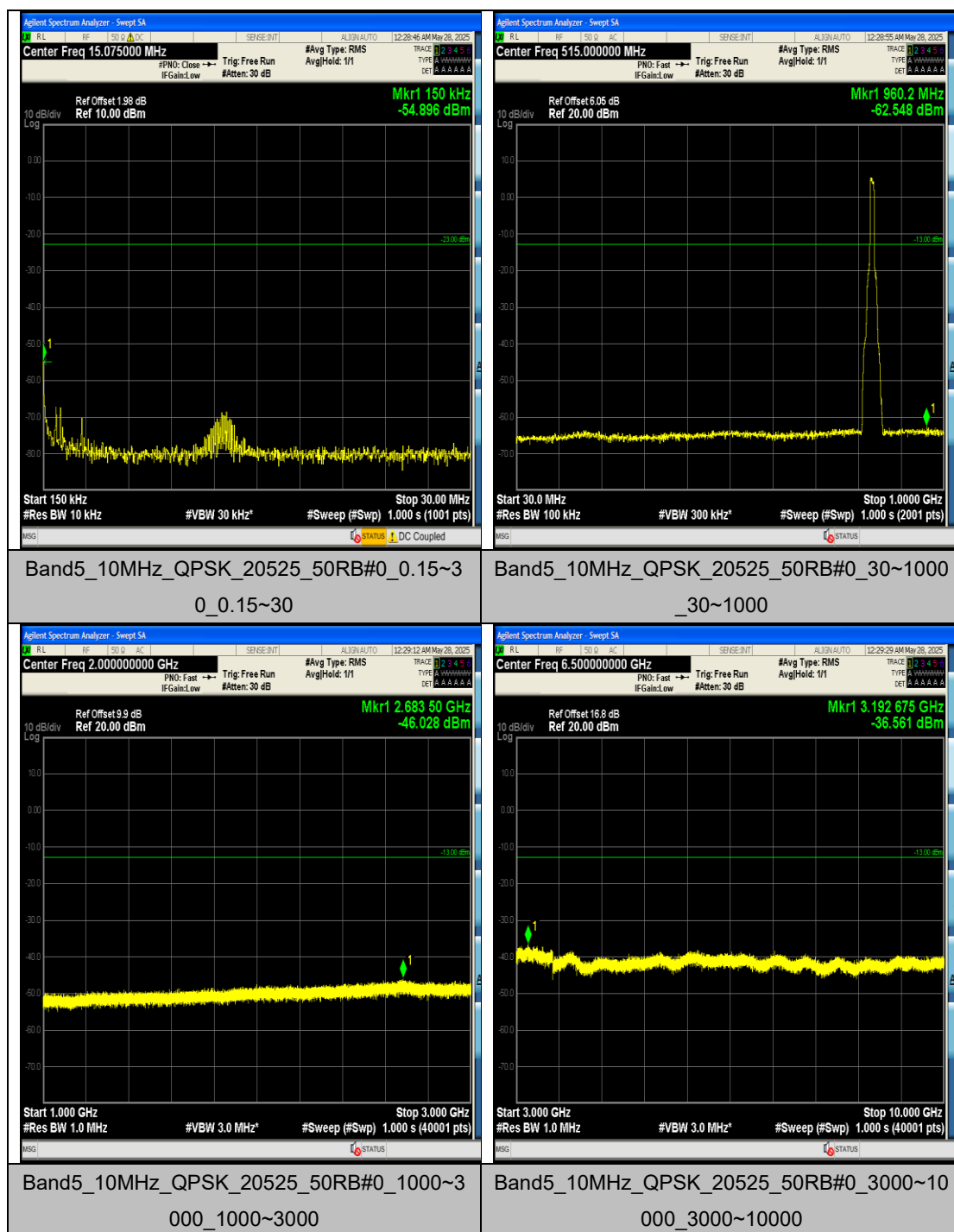


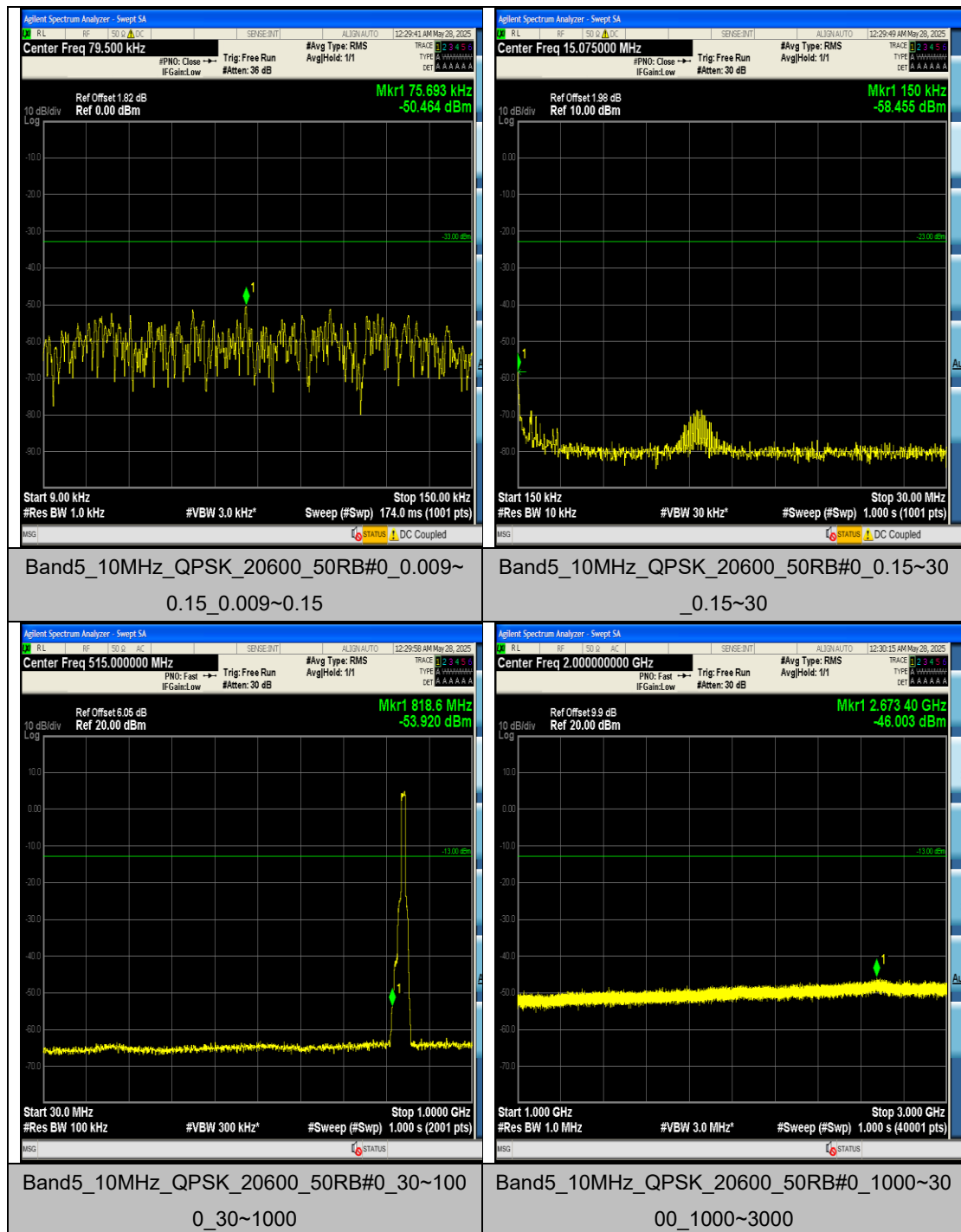


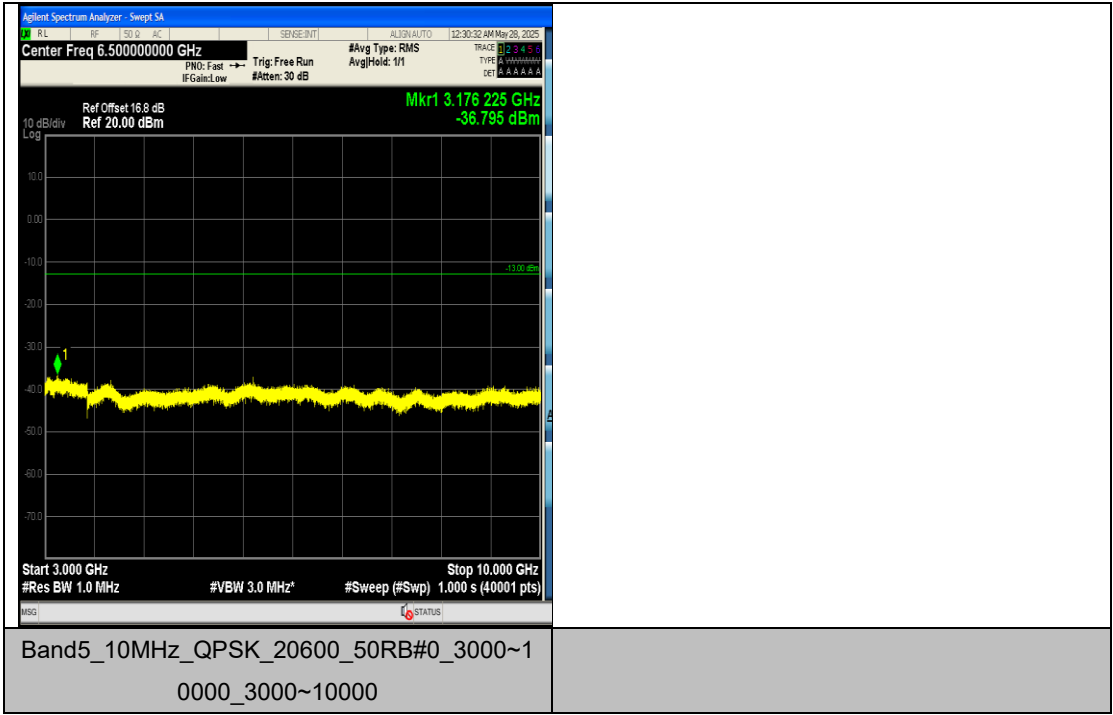












Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
BandName	Bandwidth	Modulation	Channel	RBcfg	VolValue	TempValue	ValueHz	ValuePpm	Limit	Verdict

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-30	-10.66	-0.012926	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-20	-10.44	-0.012659	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-10	-8.15	-0.009882	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	0	-4.44	-0.005384	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	10	-3.05	-0.003698	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	20	-3.55	-0.004305	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	30	-4.89	-0.005929	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	40	-4.20	-0.005093	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	50	4.51	0.005469	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-30	21.74	0.026361	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-20	23.76	0.028810	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-10	9.33	0.011313	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	0	15.90	0.019280	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	10	21.49	0.026058	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	20	4.87	0.005905	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	30	15.06	0.018261	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	40	21.52	0.026094	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	50	23.00	0.027889	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-30	-14.88	-0.017788	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-20	-22.70	-0.027137	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-10	-5.80	-0.006934	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	0	-4.45	-0.005320	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	10	-7.94	-0.009492	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	20	-13.98	-0.016712	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	30	-13.20	-0.015780	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	40	-14.27	-0.017059	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	50	-13.94	-0.016665	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-30	11.25	0.013449	±2.5	PASS

Band5	1.4MHz	16QAM	20525	6RB#0	NV	-20	23.71	0.028344	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-10	25.78	0.030819	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	0	8.83	0.010556	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	10	15.18	0.018147	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	20	24.14	0.028858	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	30	9.88	0.011811	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	40	18.22	0.021781	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	50	24.40	0.029169	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-30	-22.39	-0.026394	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-20	-28.25	-0.033302	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-10	-12.31	-0.014511	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	0	-27.04	-0.031876	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	10	-13.75	-0.016209	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	20	-27.99	-0.032995	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	30	-12.50	-0.014735	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	40	-21.04	-0.024803	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	50	-11.97	-0.014111	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-30	-5.36	-0.006319	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-20	-5.47	-0.006448	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-10	-6.84	-0.008063	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	0	-8.98	-0.010586	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	10	-10.22	-0.012048	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	20	-14.96	-0.017635	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	30	-14.46	-0.017046	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	40	-23.33	-0.027502	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	50	-26.68	-0.031451	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-30	4.59	0.005560	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-20	4.78	0.005790	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-10	17.48	0.021175	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	0	26.88	0.032562	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	10	14.69	0.017795	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	20	23.52	0.028492	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	30	17.90	0.021684	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	40	16.24	0.019673	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	50	17.79	0.021551	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-30	18.66	0.022604	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-20	25.72	0.031157	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-10	24.25	0.029376	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	0	23.54	0.028516	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	10	25.63	0.031048	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	20	19.67	0.023828	±2.5	PASS

Band5	3MHz	16QAM	20415	15RB#0	NV	30	6.95	0.008419	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	40	23.91	0.028964	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	50	28.07	0.034004	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-30	-11.47	-0.013712	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-20	-5.19	-0.006204	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-10	-13.87	-0.016581	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	0	-19.95	-0.023849	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	10	-27.07	-0.032361	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	20	-13.24	-0.015828	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	30	-20.78	-0.024842	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	40	-24.88	-0.029743	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	50	-27.85	-0.033293	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-30	10.68	0.012767	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-20	25.32	0.030269	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-10	8.21	0.009815	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	0	11.14	0.013317	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	10	17.26	0.020634	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	20	17.57	0.021004	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	30	14.75	0.017633	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	40	14.29	0.017083	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	50	13.78	0.016473	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-30	-18.80	-0.022183	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-20	-24.50	-0.028909	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-10	-10.48	-0.012366	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	0	-15.09	-0.017805	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	10	-21.23	-0.025050	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	20	-20.57	-0.024271	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	30	-22.63	-0.026702	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	40	-8.69	-0.010254	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	50	-18.07	-0.021322	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-30	-15.49	-0.018277	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-20	-19.98	-0.023575	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-10	-25.78	-0.030419	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	0	-27.98	-0.033015	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	10	-27.93	-0.032956	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	20	-3.97	-0.004684	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	30	-6.19	-0.007304	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	40	-3.00	-0.003540	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	50	6.85	0.008083	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-30	-5.76	-0.006969	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-20	3.26	0.003944	±2.5	PASS

Band5	5MHz	QPSK	20425	25RB#0	NV	-10	-3.77	-0.004561	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	0	3.38	0.004090	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	10	10.50	0.012704	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	20	25.88	0.031313	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	30	5.56	0.006727	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	40	8.47	0.010248	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	50	18.69	0.022613	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-30	17.99	0.021766	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-20	22.95	0.027768	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-10	8.95	0.010829	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	0	5.53	0.006691	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	10	13.01	0.015741	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	20	20.57	0.024888	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	30	20.00	0.024198	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	40	19.66	0.023787	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	50	12.12	0.014664	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-30	-8.10	-0.009683	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-20	-18.53	-0.022152	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-10	-26.21	-0.031333	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	0	-8.07	-0.009647	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	10	-10.43	-0.012469	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	20	-15.44	-0.018458	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	30	-19.76	-0.023622	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	40	-22.80	-0.027256	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	50	-25.21	-0.030137	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-30	-13.20	-0.015780	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-20	-7.06	-0.008440	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-10	4.91	0.005870	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	0	19.63	0.023467	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	10	29.15	0.034848	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	20	8.03	0.009600	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	30	9.16	0.010950	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	40	13.50	0.016139	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	50	18.87	0.022558	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-30	-31.36	-0.037047	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-20	-31.53	-0.037247	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-10	-23.15	-0.027348	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	0	-30.58	-0.036125	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	10	-25.35	-0.029947	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	20	-17.86	-0.021099	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	30	-27.99	-0.033066	±2.5	PASS

Band5	5MHz	QPSK	20625	25RB#0	NV	40	-14.50	-0.017129	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	50	-24.86	-0.029368	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-30	4.90	0.005789	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-20	-7.15	-0.008447	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-10	-6.25	-0.007383	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	0	4.38	0.005174	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	10	8.53	0.010077	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	20	9.19	0.010856	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	30	5.15	0.006084	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	40	6.87	0.008116	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	50	12.28	0.014507	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	7.03	0.008480	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	10.37	0.012509	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	17.91	0.021604	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	15.07	0.018179	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	12.36	0.014910	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	9.03	0.010893	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	10.90	0.013148	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	10.54	0.012714	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	6.41	0.007732	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-28.60	-0.034190	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-13.22	-0.015804	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-23.90	-0.028571	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-23.37	-0.027938	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-27.31	-0.032648	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-6.11	-0.007304	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-10.00	-0.011955	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-13.16	-0.015732	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-10.38	-0.012409	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-22.78	-0.026991	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	-15.34	-0.018175	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	-25.51	-0.030225	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	-7.65	-0.009064	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	-11.49	-0.013614	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	-11.84	-0.014028	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	-18.95	-0.022453	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	-26.42	-0.031303	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	-32.08	-0.038009	±2.5	PASS