

Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Verdict
Band17	5MHz	QPSK	23755	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range2:0.15~30MHz	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range3:30~1000MHz	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range4:1000~10000MHz	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range2:0.15~30MHz	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range3:30~1000MHz	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range4:1000~10000MHz	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range2:0.15~30MHz	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range3:30~1000MHz	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range4:1000~10000MHz	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range2:0.15~30MHz	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range3:30~1000MHz	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range4:1000~10000MHz	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range2:0.15~30MHz	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range3:30~1000MHz	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range4:1000~10000MHz	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range2:0.15~30MHz	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range3:30~1000MHz	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range4:1000~10000MHz	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range2:0.15~30MHz	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range3:30~1000MHz	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range4:1000~10000MHz	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range2:0.15~30MHz	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range3:30~1000MHz	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range4:1000~10000MHz	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range2:0.15~30MHz	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range3:30~1000MHz	PASS

Band17	10MHz	QPSK	23800	1RB#0	Range4:1000~10000MHz	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range2:0.15~30MHz	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range3:30~1000MHz	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range4:1000~10000MHz	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range2:0.15~30MHz	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range3:30~1000MHz	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range4:1000~10000MHz	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range2:0.15~30MHz	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range3:30~1000MHz	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range4:1000~10000MHz	PASS

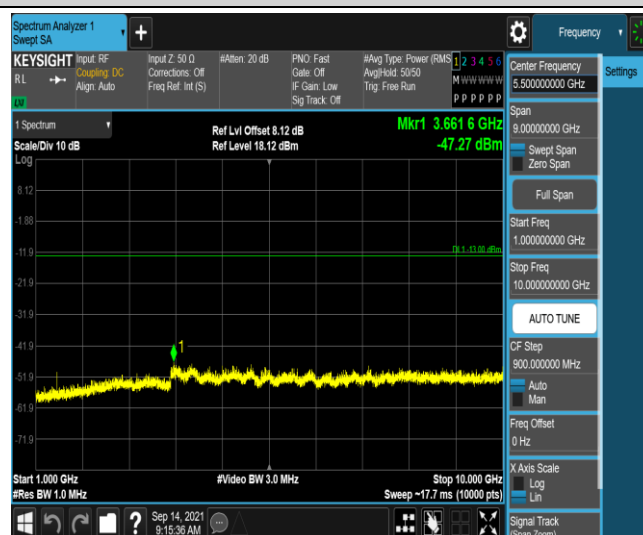
Test Graphs



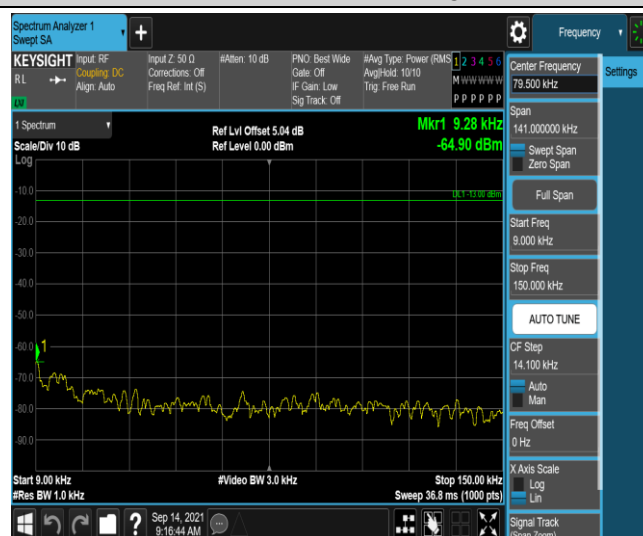
Band17-5MHz-QPSK-23755-1RB#0-Range2:0.15~30MHz



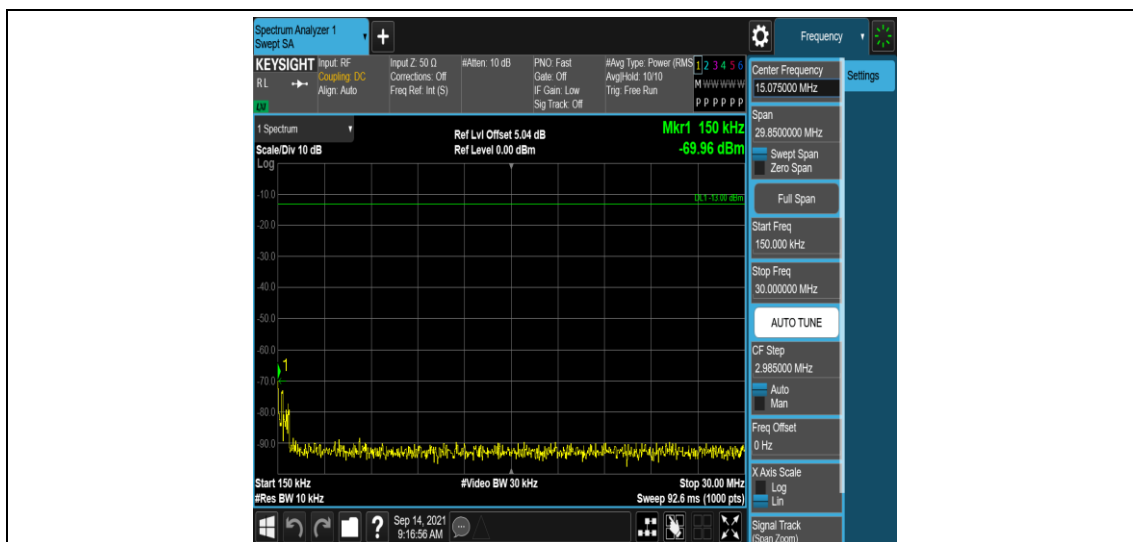
Band17-5MHz-QPSK-23755-1RB#0-Range3:30~1000MHz



Band17-5MHz-QPSK-23755-1RB#0-Range4:1000~10000MHz



Band17-5MHz-QPSK-23790-1RB#0-Range1:0.009~0.15MHz



Band17-5MHz-QPSK-23790-1RB#0-Range2:0.15~30MHz



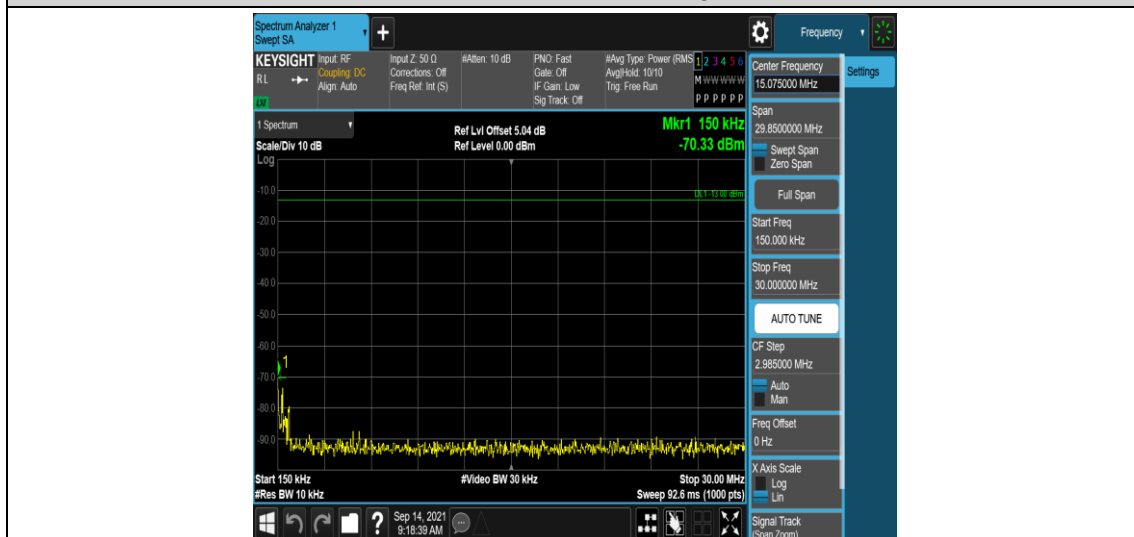
Band17-5MHz-QPSK-23790-1RB#0-Range3:30~1000MHz



Band17-5MHz-QPSK-23790-1RB#0-Range4:1000~10000MHz



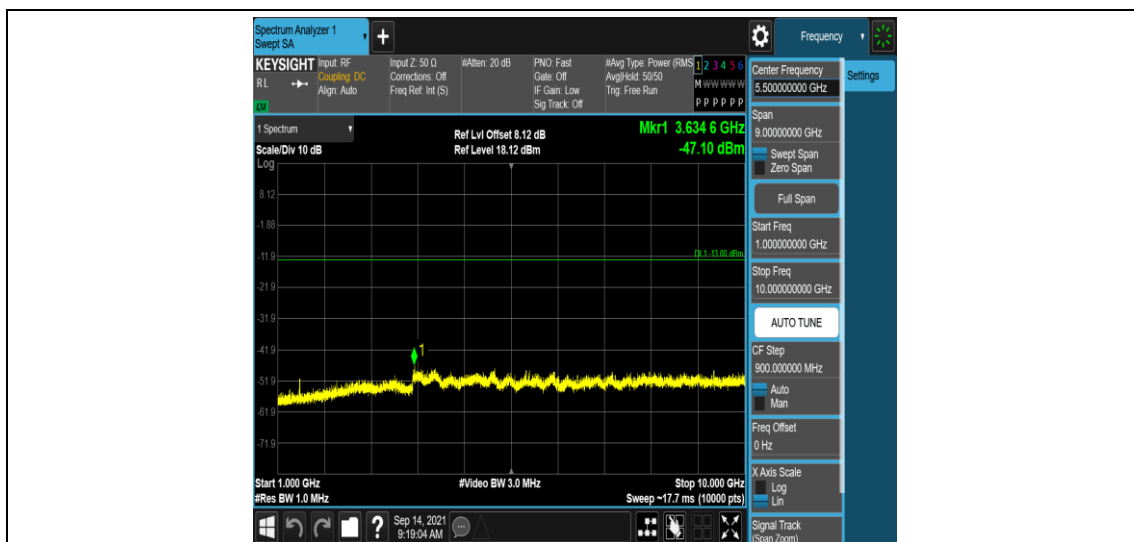
Band17-5MHz-QPSK-23825-1RB#0-Range1:0.009~0.15MHz



Band17-5MHz-QPSK-23825-1RB#0-Range2:0.15~30MHz



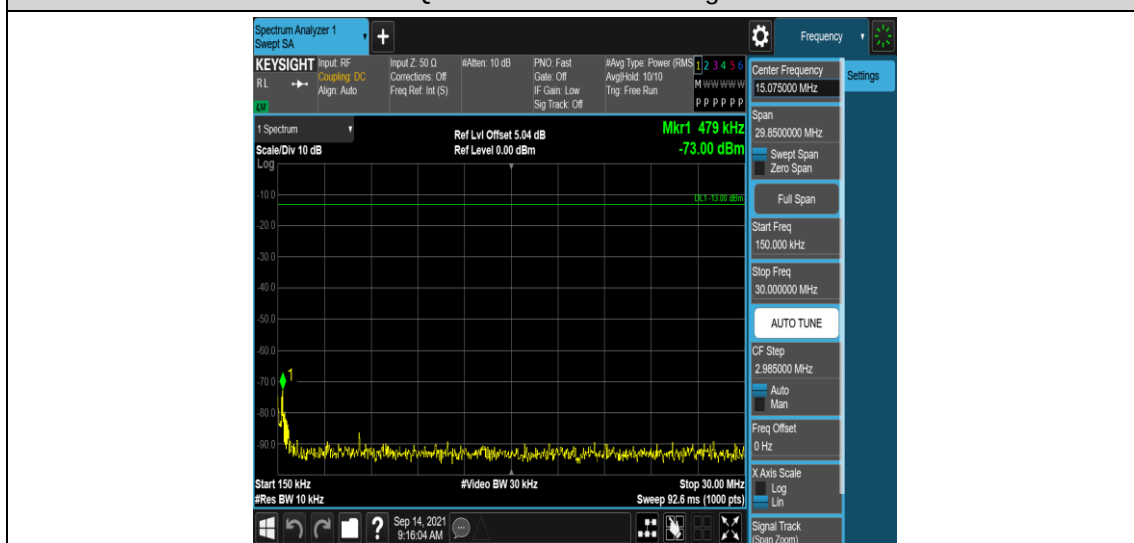
Band17-5MHz-QPSK-23825-1RB#0-Range3:30~1000MHz



Band17-5MHz-QPSK-23825-1RB#0-Range4:1000~10000MHz



Band17-5MHz-16QAM-23755-1RB#0-Range1:0.009~0.15MHz



Band17-5MHz-16QAM-23755-1RB#0-Range2:0.15~30MHz



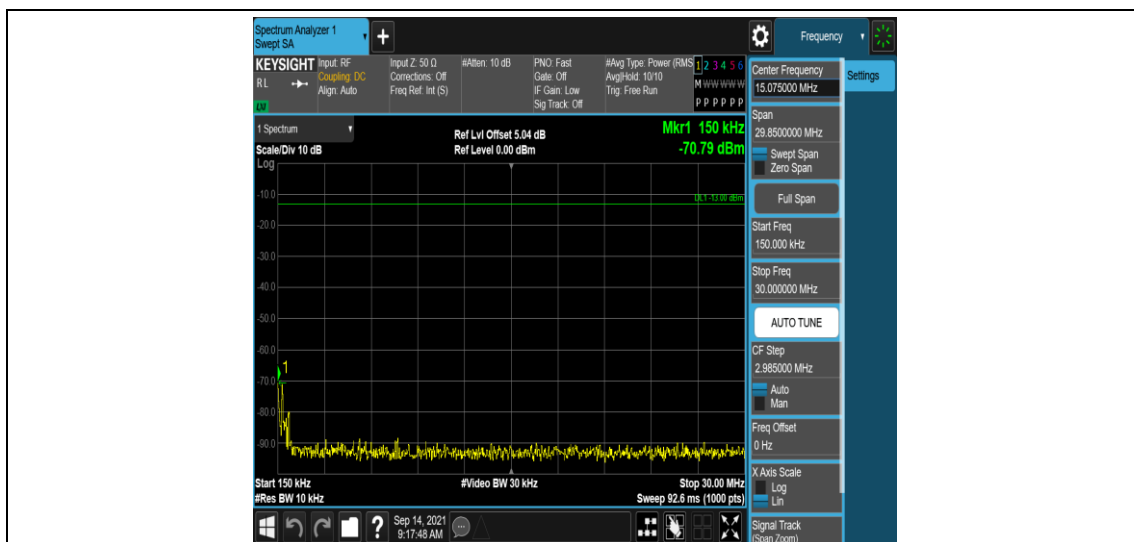
Band17-5MHz-16QAM-23755-1RB#0-Range3:30~1000MHz



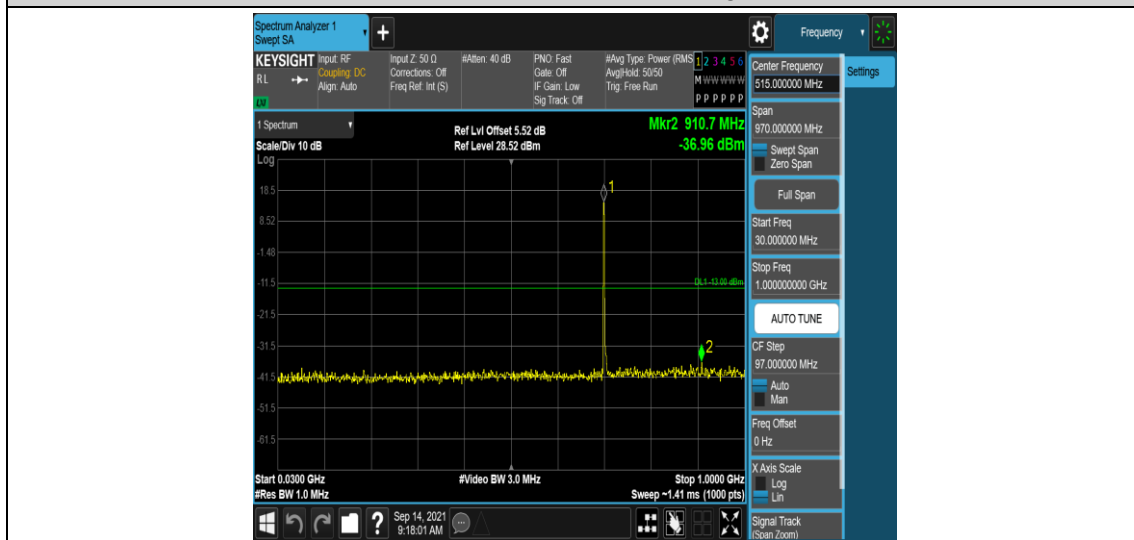
Band17-5MHz-16QAM-23755-1RB#0-Range4:1000~10000MHz



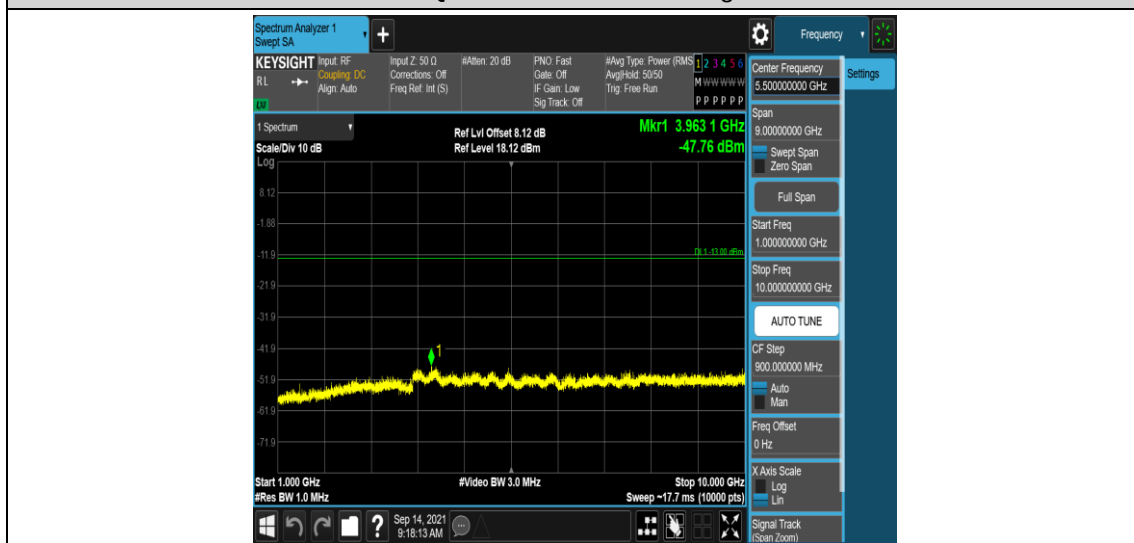
Band17-5MHz-16QAM-23790-1RB#0-Range1:0.009~0.15MHz



Band17-5MHz-16QAM-23790-1RB#0-Range2:0.15~30MHz



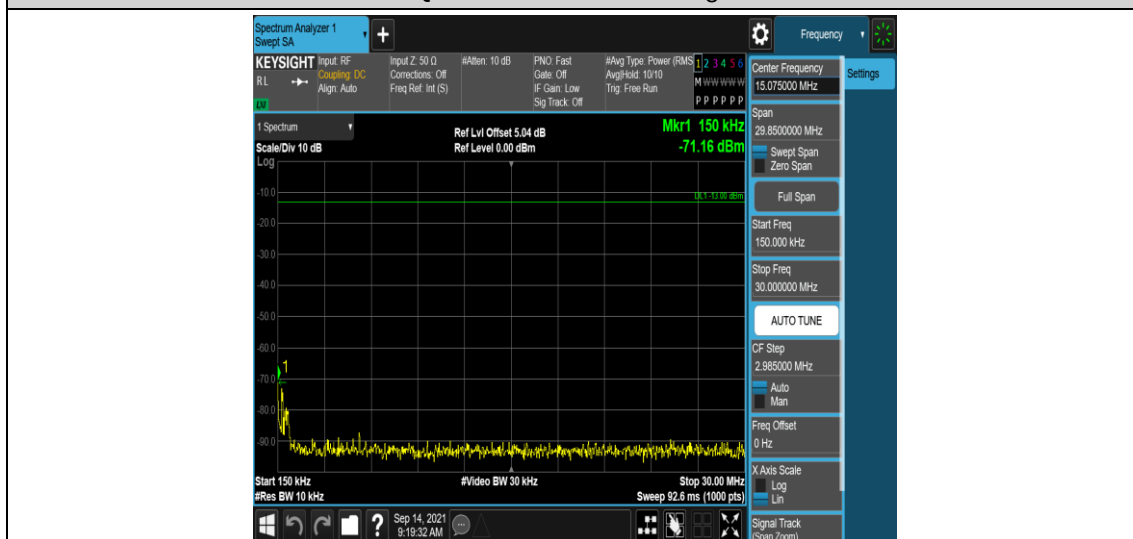
Band17-5MHz-16QAM-23790-1RB#0-Range3:30~1000MHz



Band17-5MHz-16QAM-23790-1RB#0-Range4:1000~10000MHz



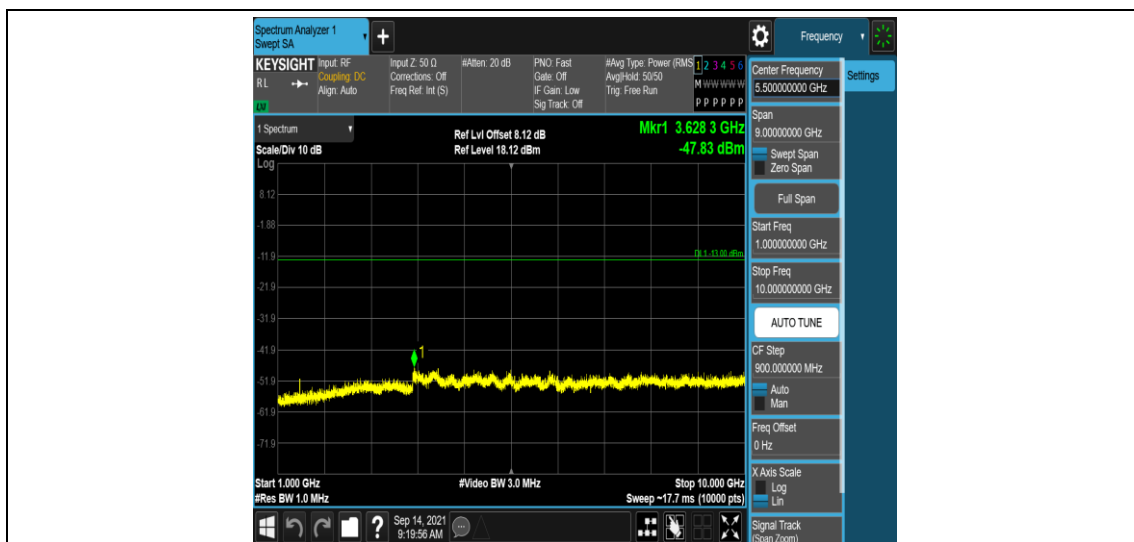
Band17-5MHz-16QAM-23825-1RB#0-Range1:0.009~0.15MHz



Band17-5MHz-16QAM-23825-1RB#0-Range2:0.15~30MHz



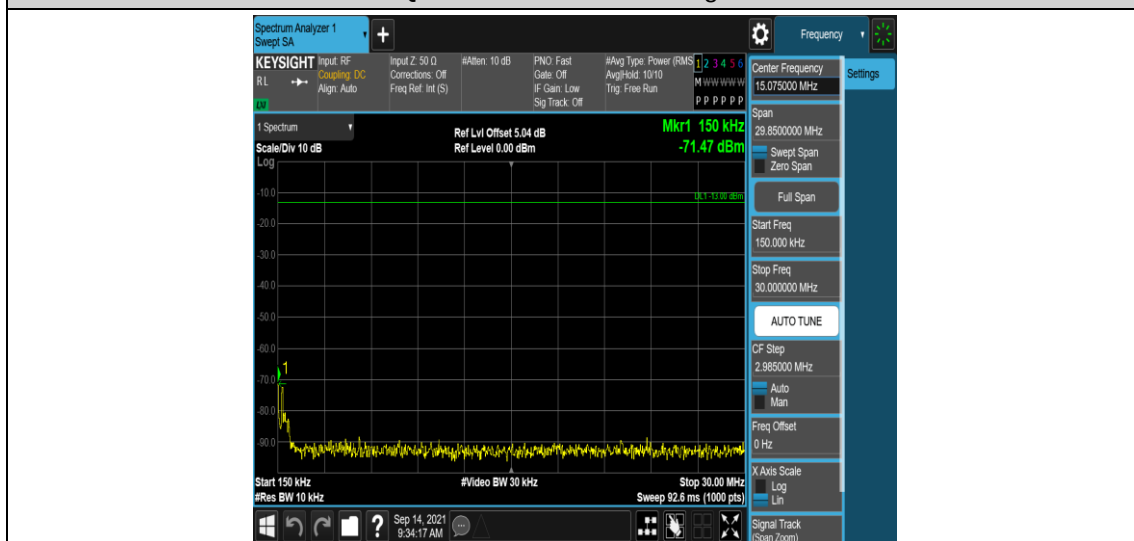
Band17-5MHz-16QAM-23825-1RB#0-Range3:30~1000MHz



Band17-5MHz-16QAM-23825-1RB#0-Range4:1000~10000MHz



Band17-10MHz-QPSK-23780-1RB#0-Range1:0.009~0.15MHz



Band17-10MHz-QPSK-23780-1RB#0-Range2:0.15~30MHz



Band17-10MHz-QPSK-23780-1RB#0-Range3:30~1000MHz



Band17-10MHz-QPSK-23780-1RB#0-Range4:1000~10000MHz



Band17-10MHz-QPSK-23790-1RB#0-Range1:0.009~0.15MHz



Band17-10MHz-QPSK-23790-1RB#0-Range2:0.15~30MHz



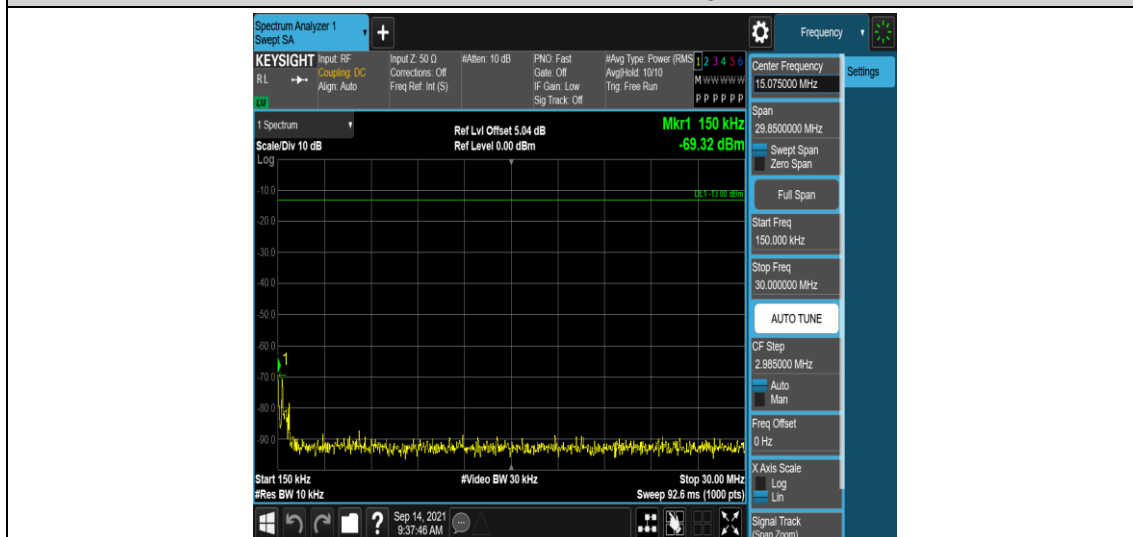
Band17-10MHz-QPSK-23790-1RB#0-Range3:30~1000MHz



Band17-10MHz-QPSK-23790-1RB#0-Range4:1000~10000MHz



Band17-10MHz-QPSK-23800-1RB#0-Range1:0.009~0.15MHz



Band17-10MHz-QPSK-23800-1RB#0-Range2:0.15~30MHz



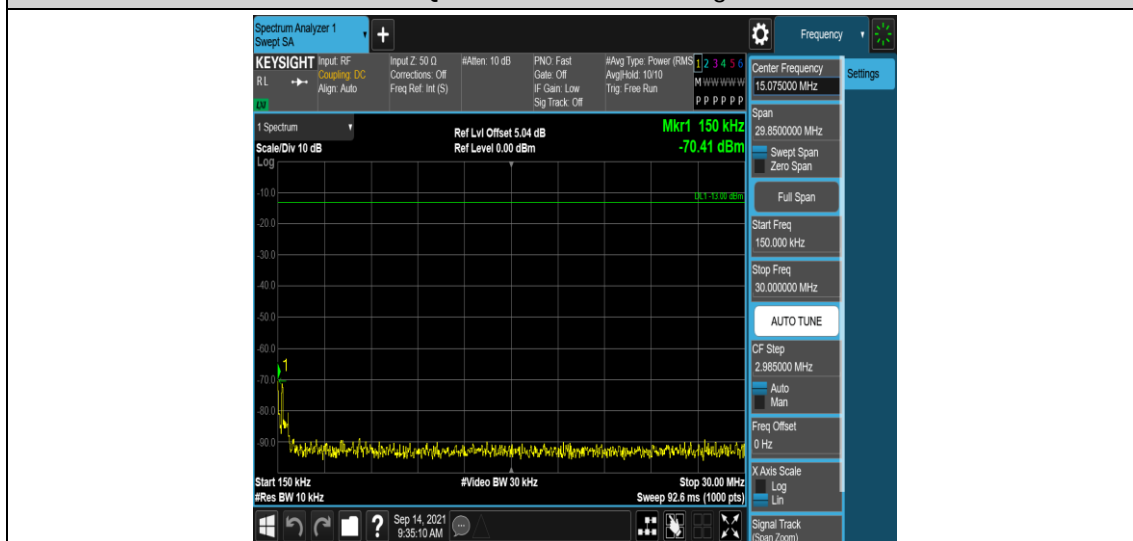
Band17-10MHz-QPSK-23800-1RB#0-Range3:30~1000MHz



Band17-10MHz-QPSK-23800-1RB#0-Range4:1000~10000MHz



Band17-10MHz-16QAM-23780-1RB#0-Range1:0.009~0.15MHz



Band17-10MHz-16QAM-23780-1RB#0-Range2:0.15~30MHz



Band17-10MHz-16QAM-23780-1RB#0-Range3:30~1000MHz



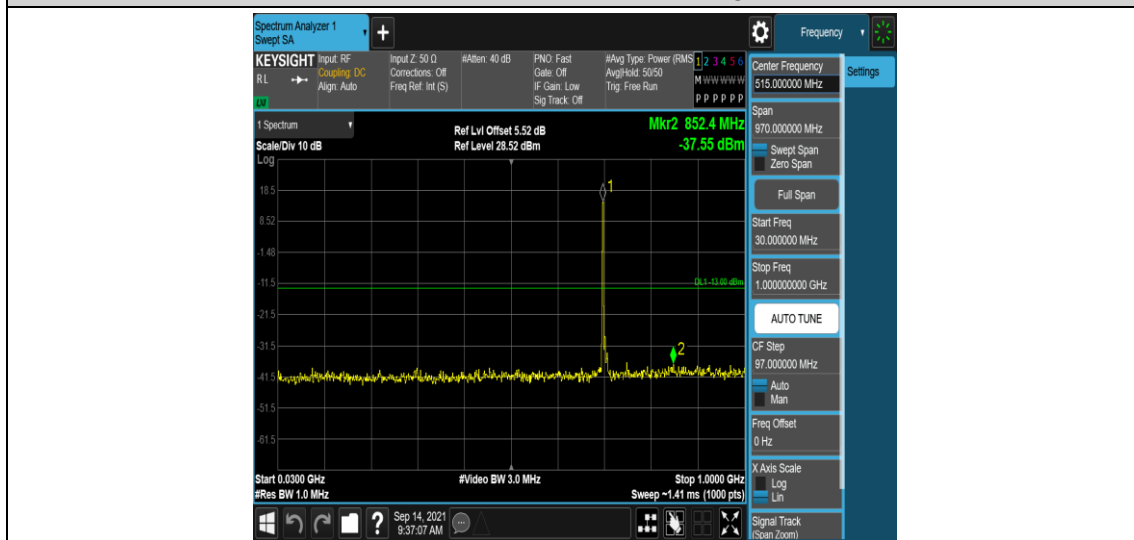
Band17-10MHz-16QAM-23780-1RB#0-Range4:1000~10000MHz



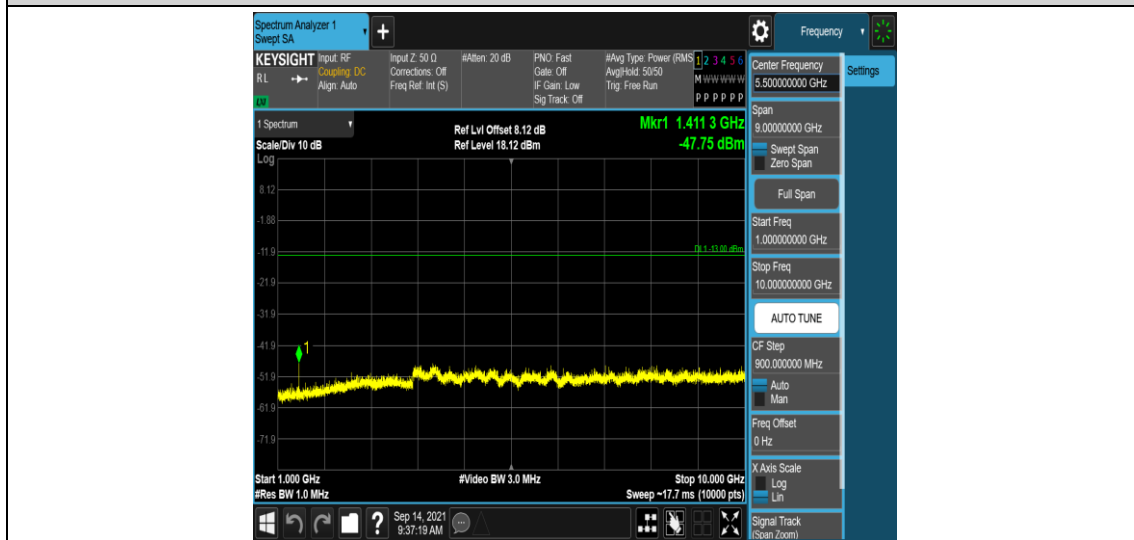
Band17-10MHz-16QAM-23790-1RB#0-Range1:0.009~0.15MHz



Band17-10MHz-16QAM-23790-1RB#0-Range2:0.15~30MHz



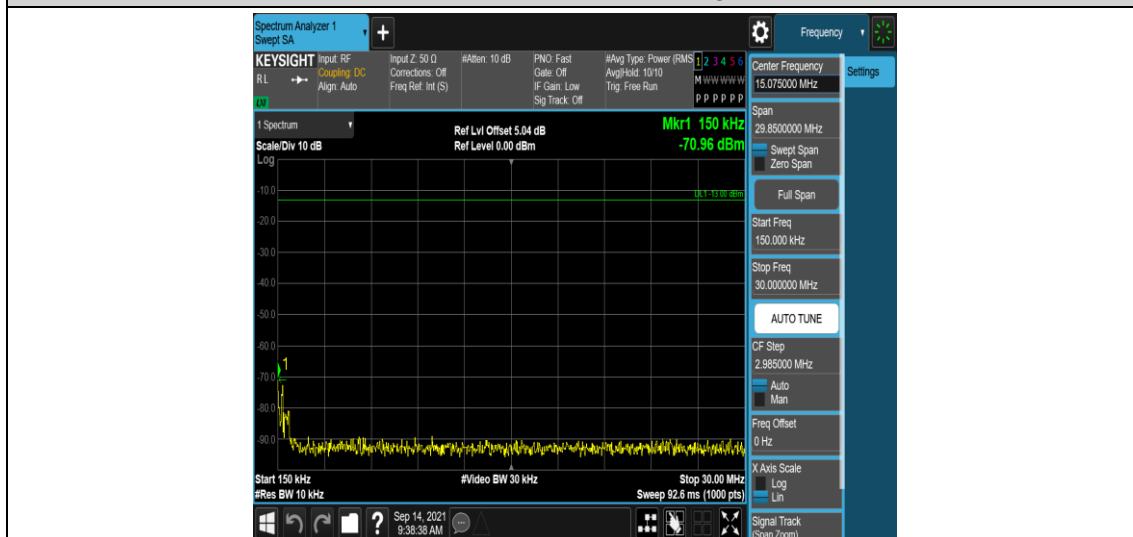
Band17-10MHz-16QAM-23790-1RB#0-Range3:30~1000MHz



Band17-10MHz-16QAM-23790-1RB#0-Range4:1000~10000MHz



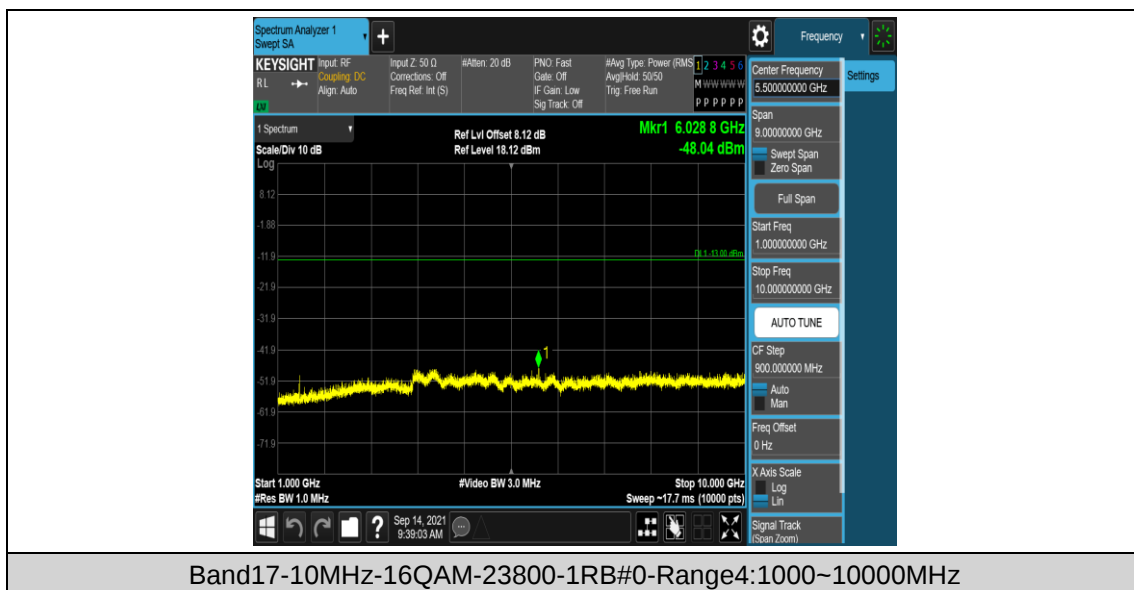
Band17-10MHz-16QAM-23800-1RB#0-Range1:0.009~0.15MHz



Band17-10MHz-16QAM-23800-1RB#0-Range2:0.15~30MHz



Band17-10MHz-16QAM-23800-1RB#0-Range3:30~1000MHz



Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band1_7	5MHz	QPSK	23755	25RB#0	VL	NT	7.50	0.010616	±2.5	PASS
Band1_7	5MHz	QPSK	23755	25RB#0	VN	NT	-9.07	-0.012838	±2.5	PASS
Band1_7	5MHz	QPSK	23755	25RB#0	VH	NT	6.32	0.008946	±2.5	PASS
Band1_7	5MHz	QPSK	23790	25RB#0	VL	NT	4.52	0.006366	±2.5	PASS
Band1_7	5MHz	QPSK	23790	25RB#0	VN	NT	6.68	0.009408	±2.5	PASS
Band1_7	5MHz	QPSK	23790	25RB#0	VH	NT	6.57	0.009254	±2.5	PASS
Band1_7	5MHz	QPSK	23825	25RB#0	VL	NT	4.11	0.005760	±2.5	PASS
Band1_7	5MHz	QPSK	23825	25RB#0	VN	NT	7.67	0.010750	±2.5	PASS
Band1_7	5MHz	QPSK	23825	25RB#0	VH	NT	3.58	0.005018	±2.5	PASS
Band1_7	5MHz	16QAM	23755	25RB#0	VL	NT	-8.44	-0.011946	±2.5	PASS
Band1_7	5MHz	16QAM	23755	25RB#0	VN	NT	6.15	0.008705	±2.5	PASS
Band1_7	5MHz	16QAM	23755	25RB#0	VH	NT	6.24	0.008832	±2.5	PASS
Band1_7	5MHz	16QAM	23790	25RB#0	VL	NT	-7.72	-0.010873	±2.5	PASS
Band1_7	5MHz	16QAM	23790	25RB#0	VN	NT	5.56	0.007831	±2.5	PASS
Band1_7	5MHz	16QAM	23790	25RB#0	VH	NT	-4.25	-0.005986	±2.5	PASS
Band1_7	5MHz	16QAM	23825	25RB#0	VL	NT	8.20	0.011493	±2.5	PASS
Band1_7	5MHz	16QAM	23825	25RB#0	VN	NT	-7.02	-0.009839	±2.5	PASS

Band1 7	5MHz	16QAM	23825	25RB#0	VH	NT	-4.84	-0.006783	±2.5	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	VL	NT	7.38	0.010409	±2.5	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	VN	NT	4.49	0.006333	±2.5	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	VH	NT	7.64	0.010776	±2.5	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	VL	NT	-3.28	-0.004620	±2.5	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	VN	NT	2.13	0.003000	±2.5	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	VH	NT	7.44	0.010479	±2.5	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	VL	NT	2.99	0.004205	±2.5	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	VN	NT	2.70	0.003797	±2.5	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	VH	NT	5.44	0.007651	±2.5	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	VL	NT	-5.59	-0.007884	±2.5	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	VN	NT	-3.02	-0.004260	±2.5	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	VH	NT	8.41	0.011862	±2.5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	VL	NT	2.76	0.003887	±2.5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	VN	NT	-9.91	-0.013958	±2.5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	VH	NT	-9.04	-0.012732	±2.5	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	VL	NT	-6.15	-0.008650	±2.5	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	VN	NT	7.30	0.010267	±2.5	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	VH	NT	-6.22	-0.008748	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band1 7	5MHz	QPSK	23755	25RB#0	NV	-30	6.52	0.009229	±2.5	PASS
Band1 7	5MHz	QPSK	23755	25RB#0	NV	-20	5.51	0.007799	±2.5	PASS
Band1 7	5MHz	QPSK	23755	25RB#0	NV	0	6.97	0.009866	±2.5	PASS
Band1 7	5MHz	QPSK	23755	25RB#0	NV	10	-9.33	-0.013206	±2.5	PASS
Band1 7	5MHz	QPSK	23755	25RB#0	NV	20	-9.64	-0.013645	±2.5	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	NV	-30	7.24	0.010197	±2.5	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	NV	-20	4.06	0.005718	±2.5	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	NV	0	3.85	0.005423	±2.5	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	NV	10	1.92	0.002704	±2.5	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	NV	20	6.44	0.009070	±2.5	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	NV	-30	2.85	0.003994	±2.5	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	NV	-20	4.43	0.006209	±2.5	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	NV	0	3.96	0.005550	±2.5	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	NV	10	5.38	0.007540	±2.5	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	NV	20	8.80	0.012334	±2.5	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	NV	-30	-6.12	-0.008662	±2.5	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	NV	-20	-4.36	-0.006171	±2.5	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	NV	0	-4.55	-0.006440	±2.5	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	NV	10	-5.89	-0.008337	±2.5	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	NV	20	8.71	0.012328	±2.5	PASS

7										
Band1 7	5MHz	16QAM	23790	25RB#0	NV	-30	-7.00	-0.009859	±2.5	PASS
Band1 7	5MHz	16QAM	23790	25RB#0	NV	-20	-6.08	-0.008563	±2.5	PASS
Band1 7	5MHz	16QAM	23790	25RB#0	NV	0	6.05	0.008521	±2.5	PASS
Band1 7	5MHz	16QAM	23790	25RB#0	NV	10	-6.71	-0.009451	±2.5	PASS
Band1 7	5MHz	16QAM	23790	25RB#0	NV	20	7.37	0.010380	±2.5	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	NV	-30	-6.54	-0.009166	±2.5	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	NV	-20	7.12	0.009979	±2.5	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	NV	0	-6.45	-0.009040	±2.5	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	NV	10	-5.79	-0.008115	±2.5	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	NV	20	-5.89	-0.008255	±2.5	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	NV	-30	-5.01	-0.007066	±2.5	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	NV	-20	8.20	0.011566	±2.5	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	NV	0	-5.74	-0.008096	±2.5	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	NV	10	6.64	0.009365	±2.5	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	NV	20	-4.41	-0.006220	±2.5	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	NV	-30	3.22	0.004535	±2.5	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	NV	-20	-3.22	-0.004535	±2.5	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	NV	0	8.83	0.012437	±2.5	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	NV	10	4.09	0.005761	±2.5	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	NV	20	2.53	0.003563	±2.5	PASS
Band1	10MHz	QPSK	23800	50RB#0	NV	-30	6.72	0.009451	±2.5	PASS

7										
Band1 7	10MHz	QPSK	23800	50RB#0	NV	-20	-2.23	-0.003136	±2.5	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	NV	0	8.84	0.012433	±2.5	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	NV	10	-3.02	-0.004248	±2.5	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	NV	20	4.62	0.006498	±2.5	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	NV	-30	-6.27	-0.008843	±2.5	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	NV	-20	6.64	0.009365	±2.5	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	NV	0	6.22	0.008773	±2.5	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	NV	10	5.15	0.007264	±2.5	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	NV	20	3.76	0.005303	±2.5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	NV	-30	4.94	0.006958	±2.5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	NV	-20	-4.15	-0.005845	±2.5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	NV	0	4.36	0.006141	±2.5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	NV	10	-7.48	-0.010535	±2.5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	NV	20	4.43	0.006239	±2.5	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	NV	-30	-4.05	-0.005696	±2.5	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	NV	-20	-3.65	-0.005134	±2.5	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	NV	0	-3.20	-0.004501	±2.5	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	NV	10	5.08	0.007145	±2.5	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	NV	20	3.12	0.004388	±2.5	PASS