

Appendix E: Conducted Spurious Emission

Test Result

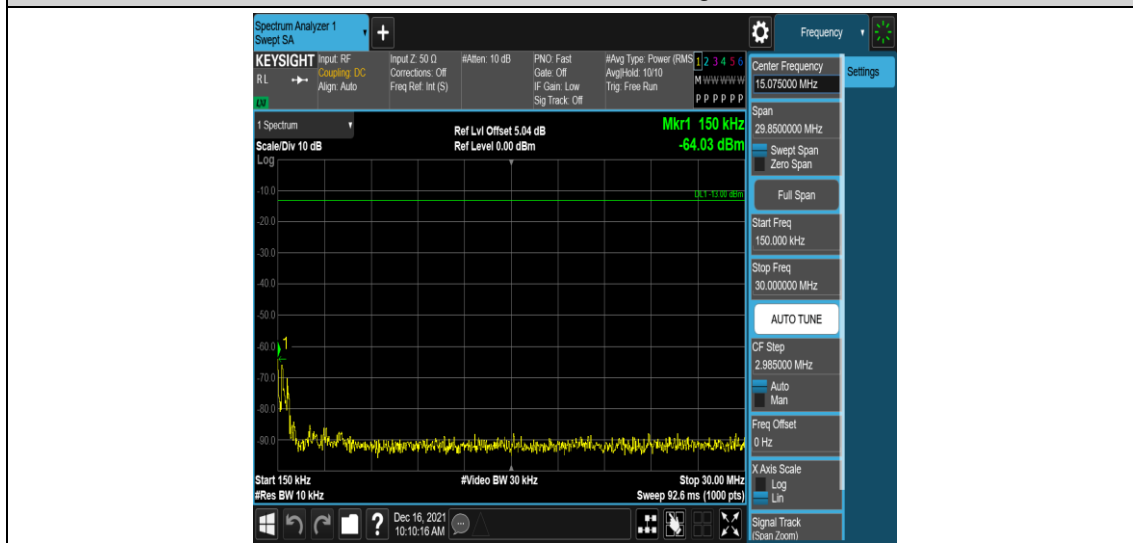
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Verdict
Band17	5MHz	QPSK	23755	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range2:0.15~30MHz	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range3:30~1000MHz	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range4:1000~10000MHz	PASS
Band17	5MHz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

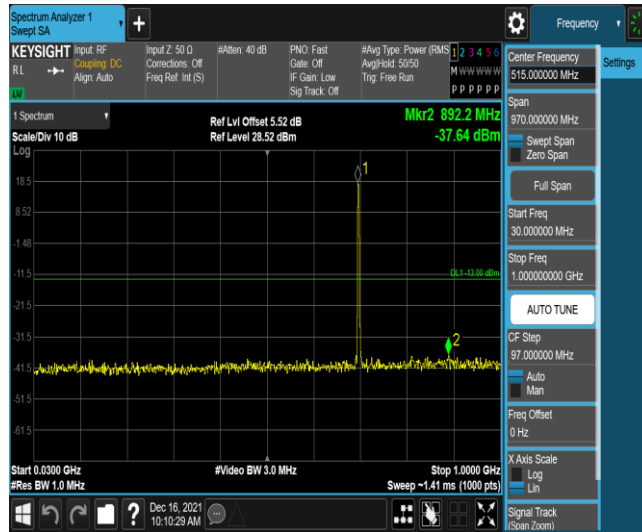
Test Graphs



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



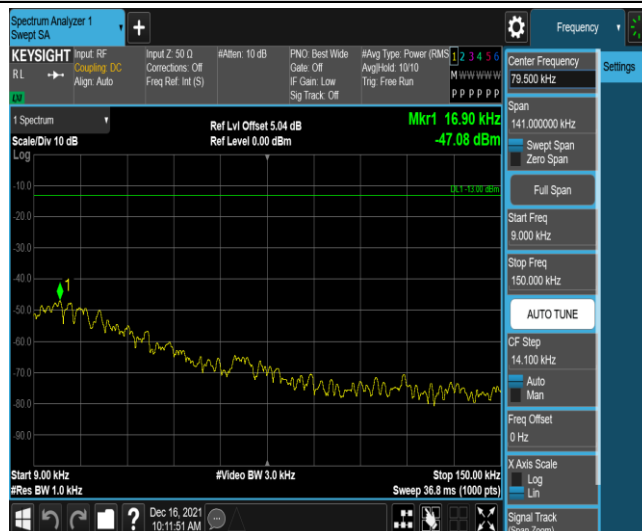
Band17-5MHz-QPSK-23755-1RB#0-Range2:0.15~30MHz



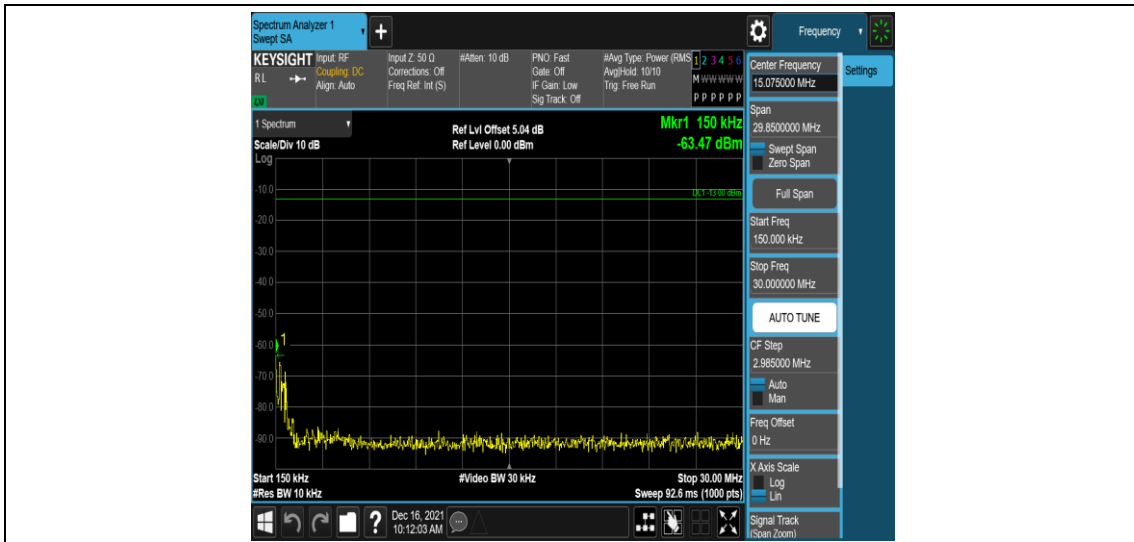
Band17-5MHz-QPSK-23755-1RB#0-Range3:30~1000MHz



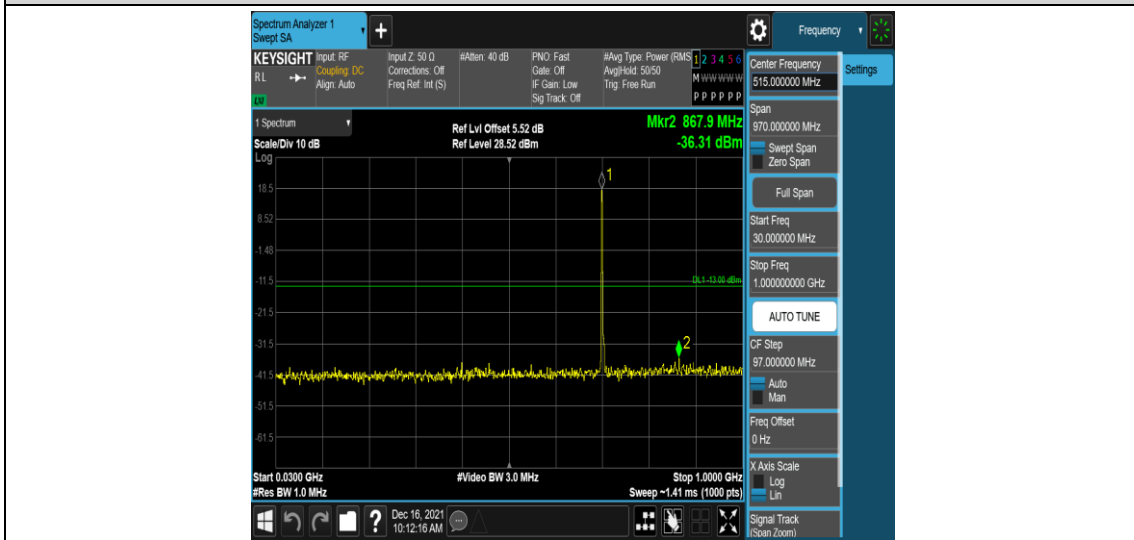
Band17-5MHz-QPSK-23755-1RB#0-Range4:1000~10000MHz



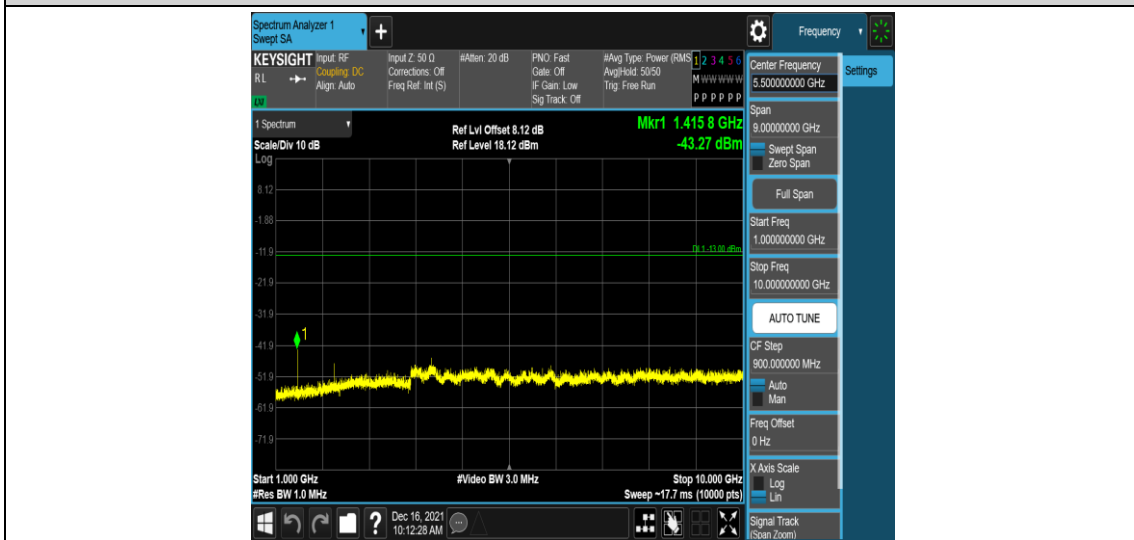
Band17-5MHz-QPSK-23790-1RB#0-Range1:0.009~0.15MHz



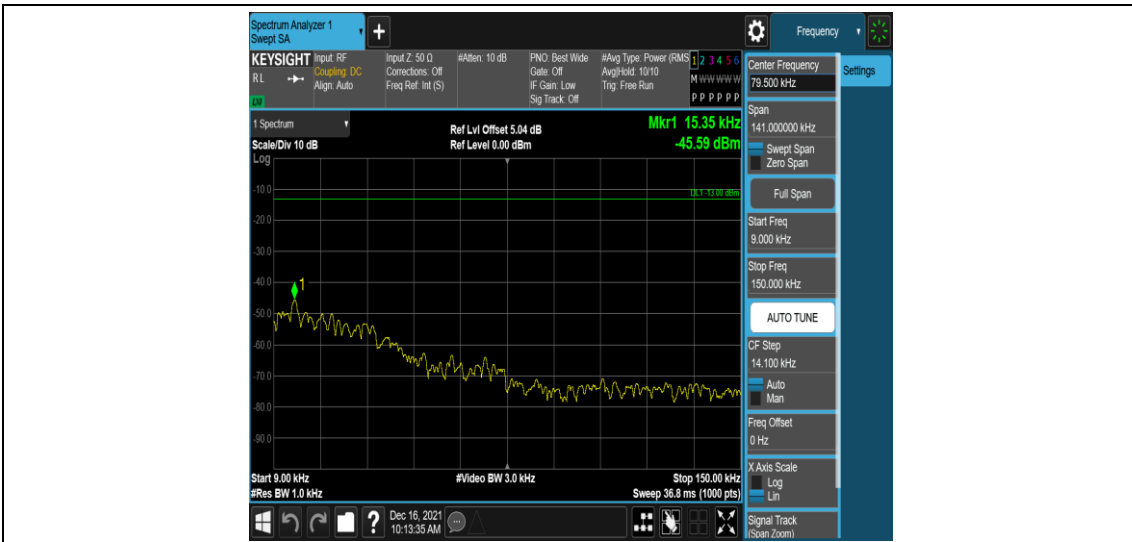
Band17-5MHz-QPSK-23790-1RB#0-Range2:0.15~30MHz



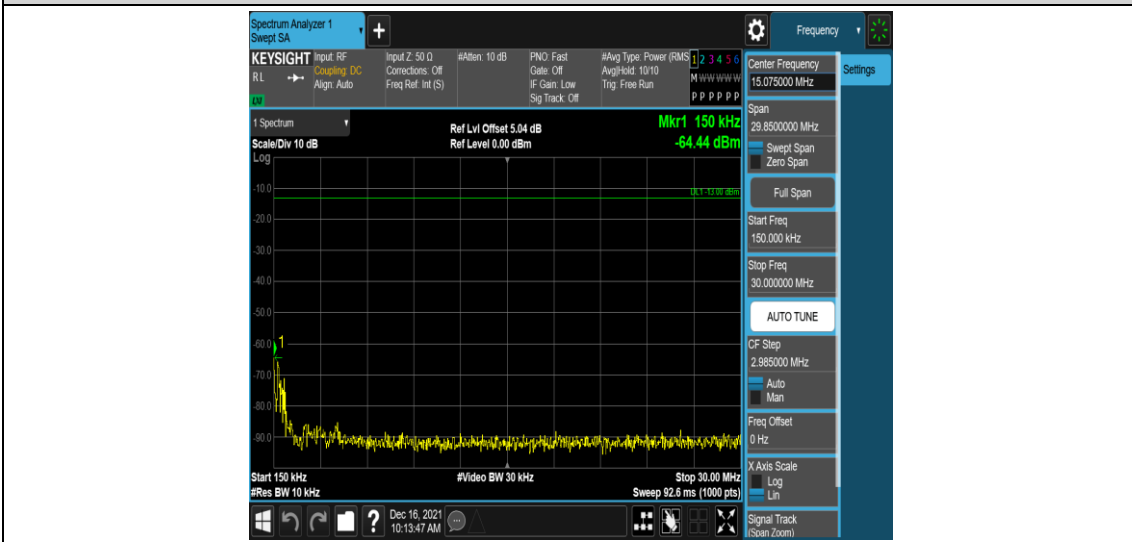
Band17-5MHz-QPSK-23790-1RB#0-Range3:30~1000MHz



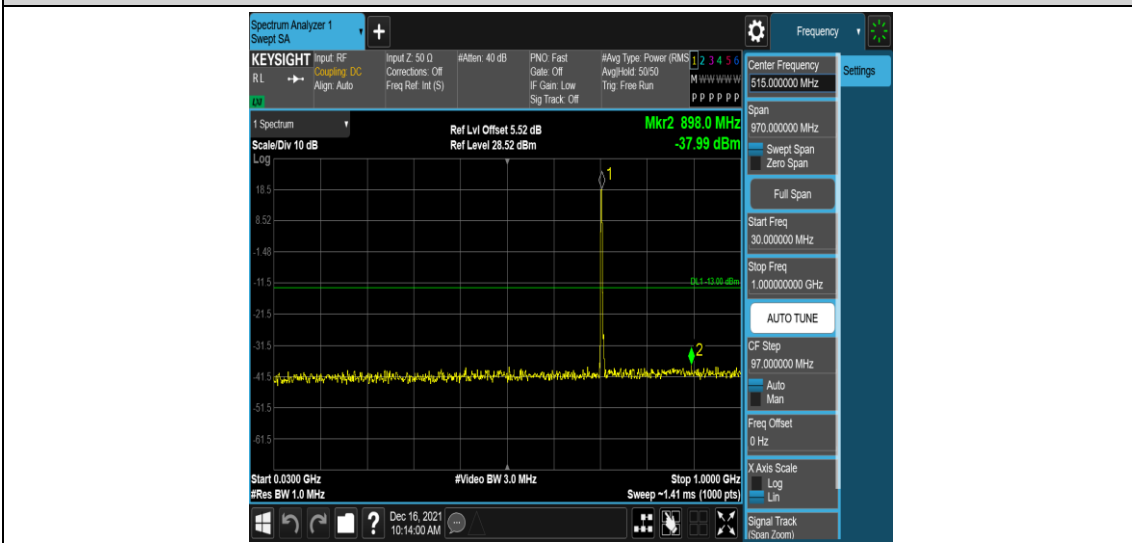
Band17-5MHz-QPSK-23790-1RB#0-Range4:1000~10000MHz



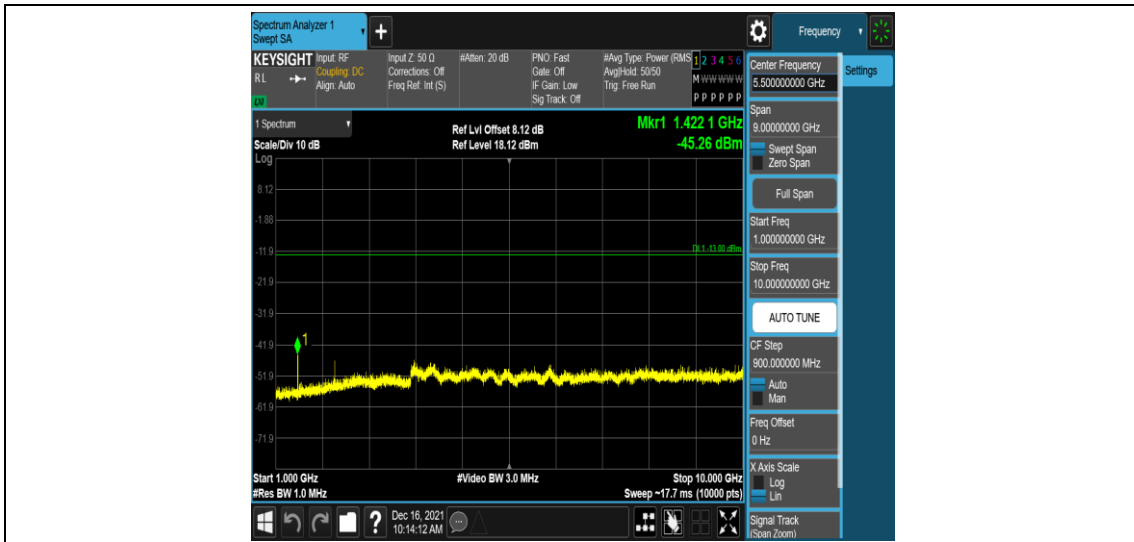
Band17-5MHz-QPSK-23825-1RB#0-Range1:0.009~0.15MHz



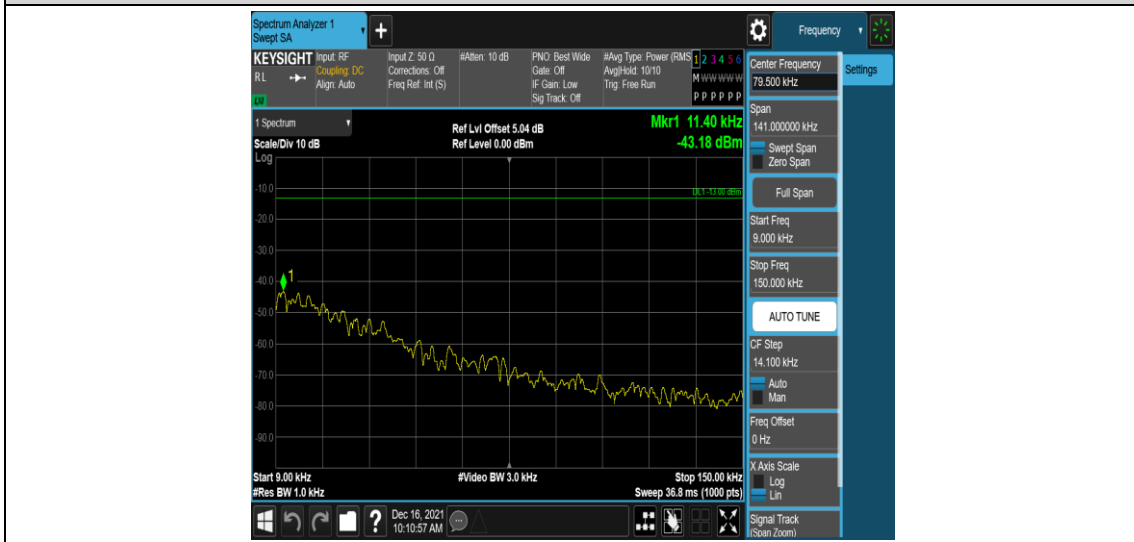
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Band17-5MHz-QPSK-23825-1RB#0-Range3:30~1000MHz



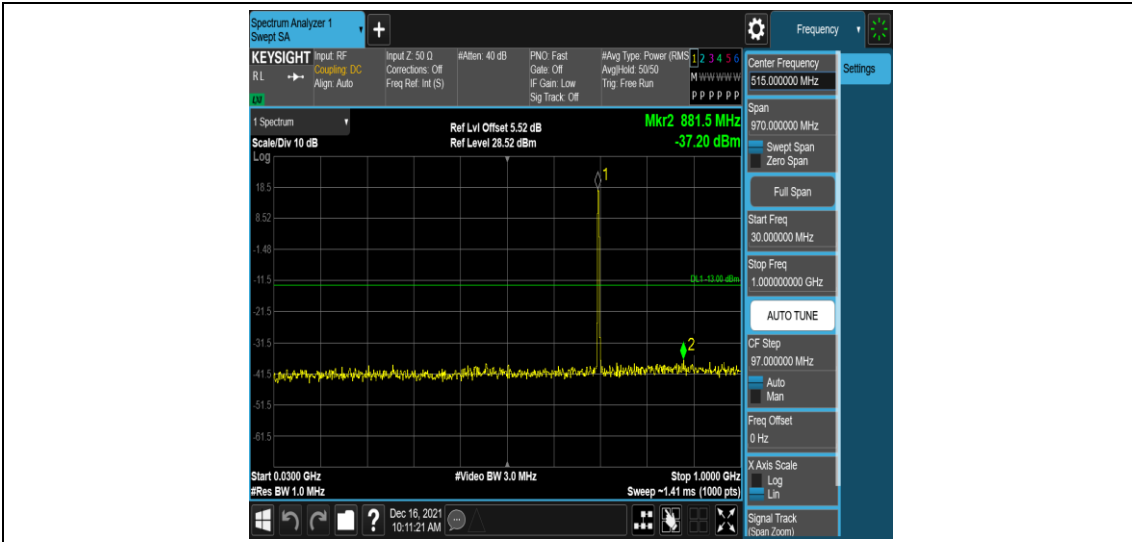
Band17-5MHz-QPSK-23825-1RB#0-Range4:1000~10000MHz



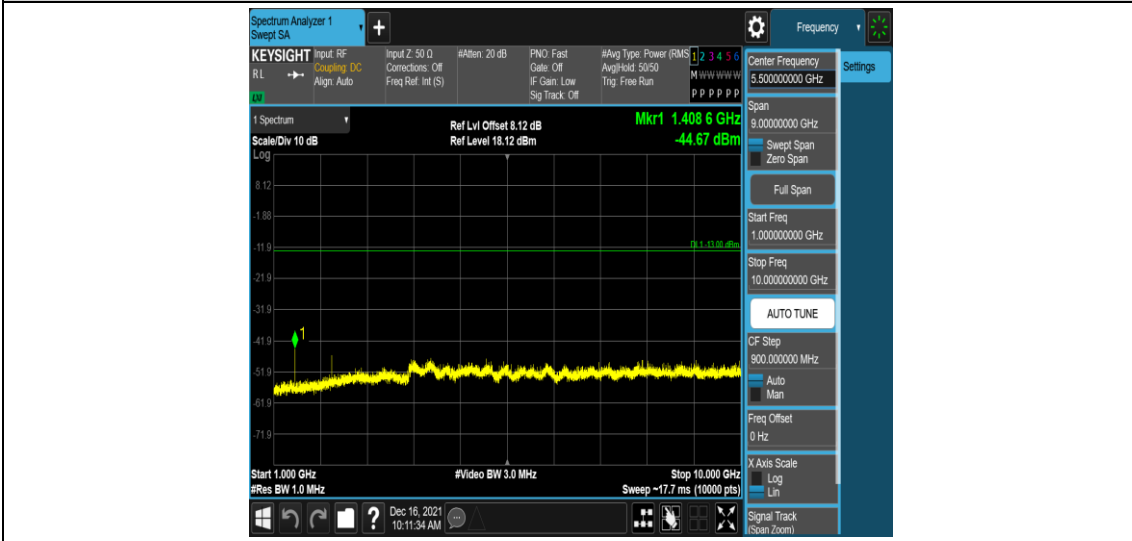
Band17-5MHz-16QAM-23755-1RB#0-Range1:0.009~0.15MHz



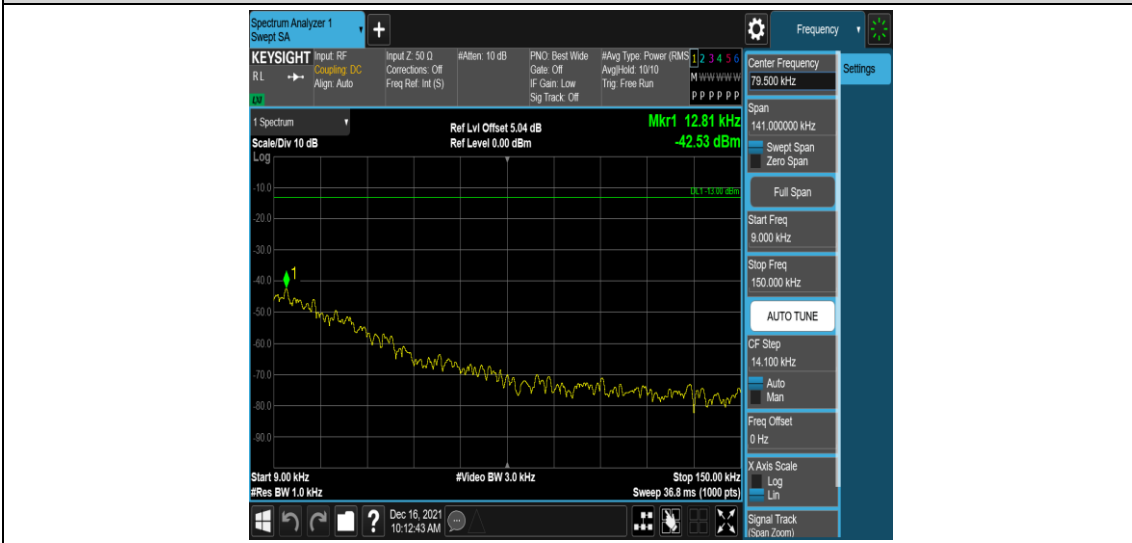
Band17-5MHz-16QAM-23755-1RB#0-Range2:0.15~30MHz



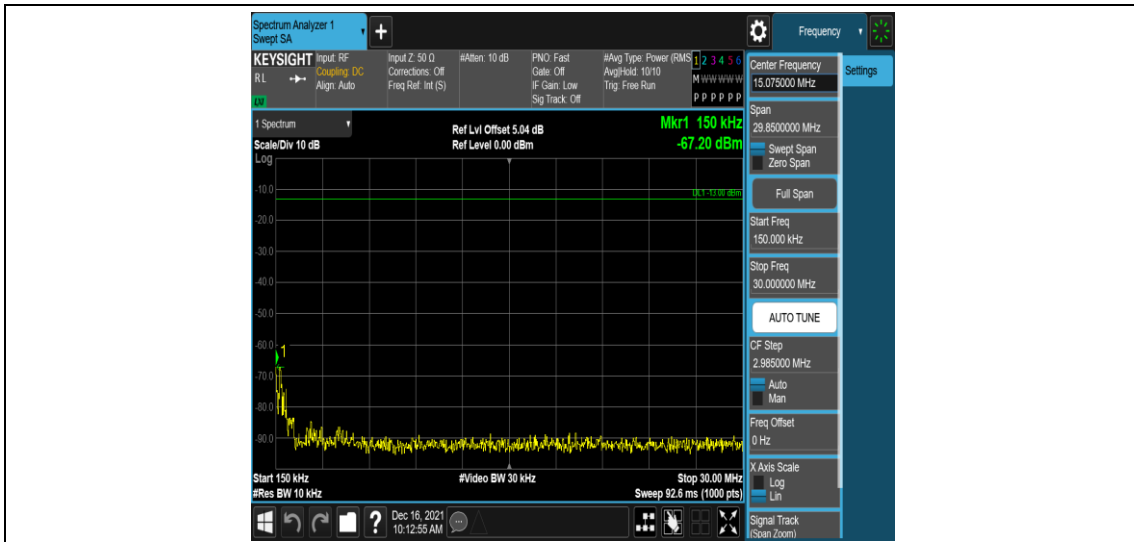
Band17-5MHz-16QAM-23755-1RB#0-Range3:30~1000MHz



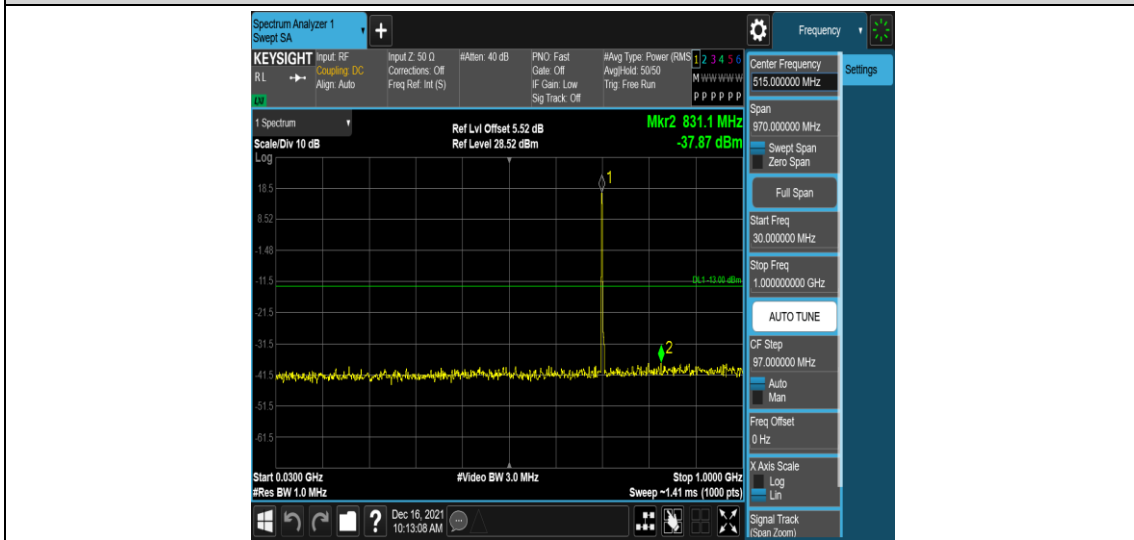
Band17-5MHz-16QAM-23755-1RB#0-Range4:1000~10000MHz



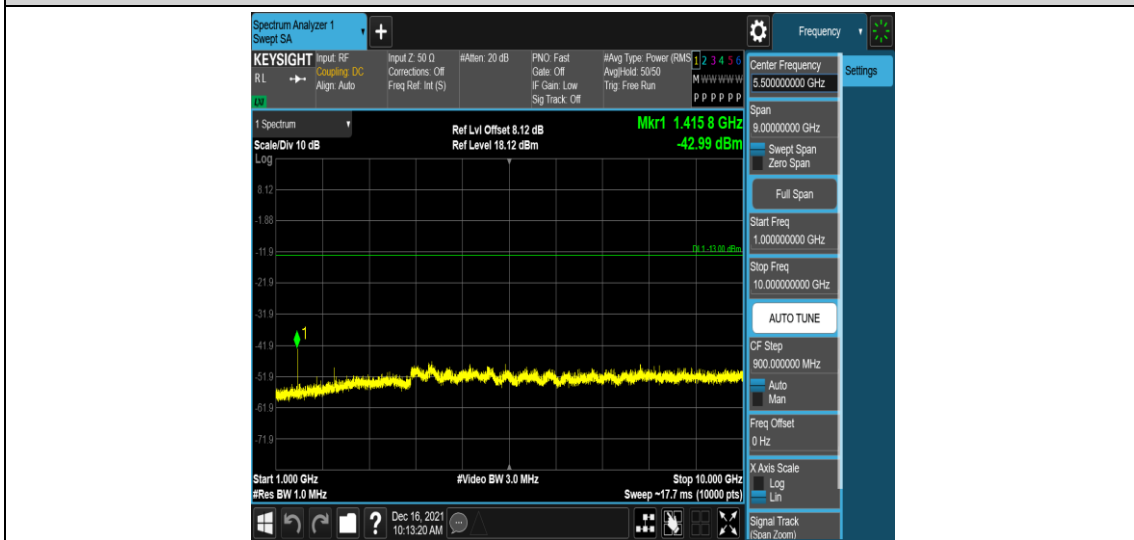
Band17-5MHz-16QAM-23790-1RB#0-Range1:0.009~0.15MHz



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



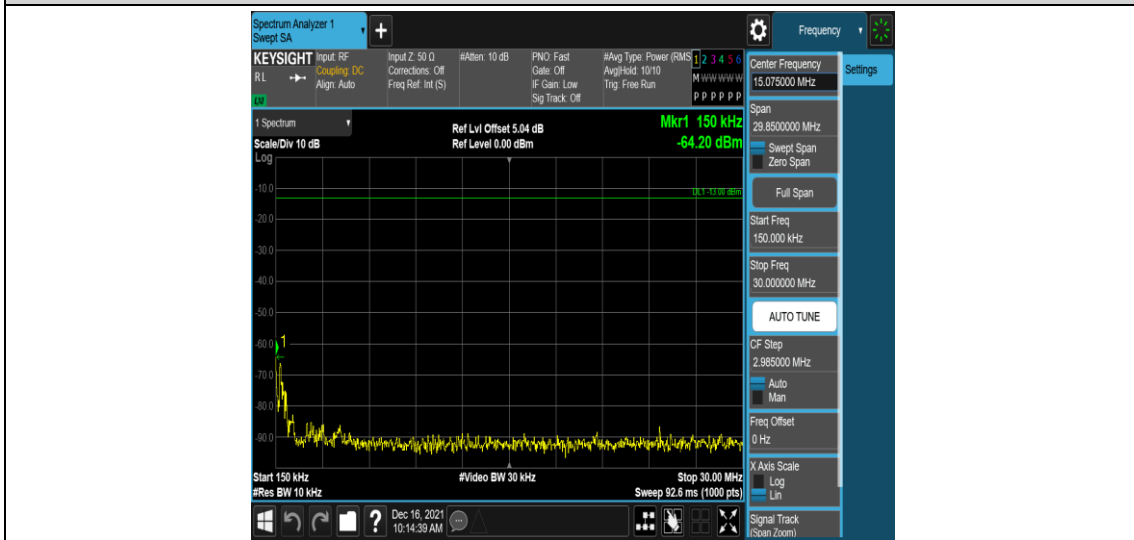
Band17-5MHz-16QAM-23790-1RB#0-Range3:30~1000MHz



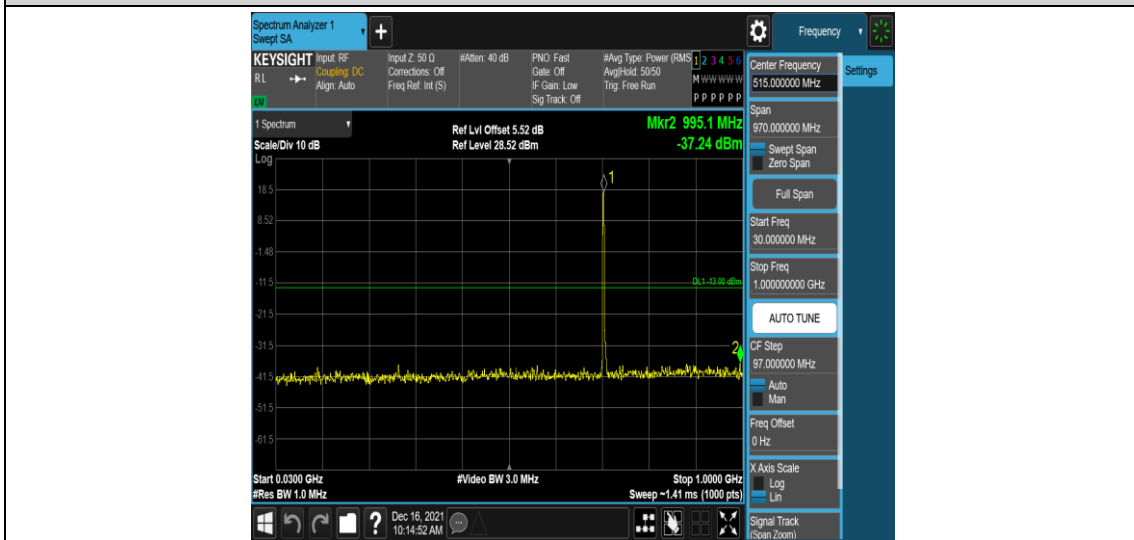
Band17-5MHz-16QAM-23790-1RB#0-Range4:1000~10000MHz



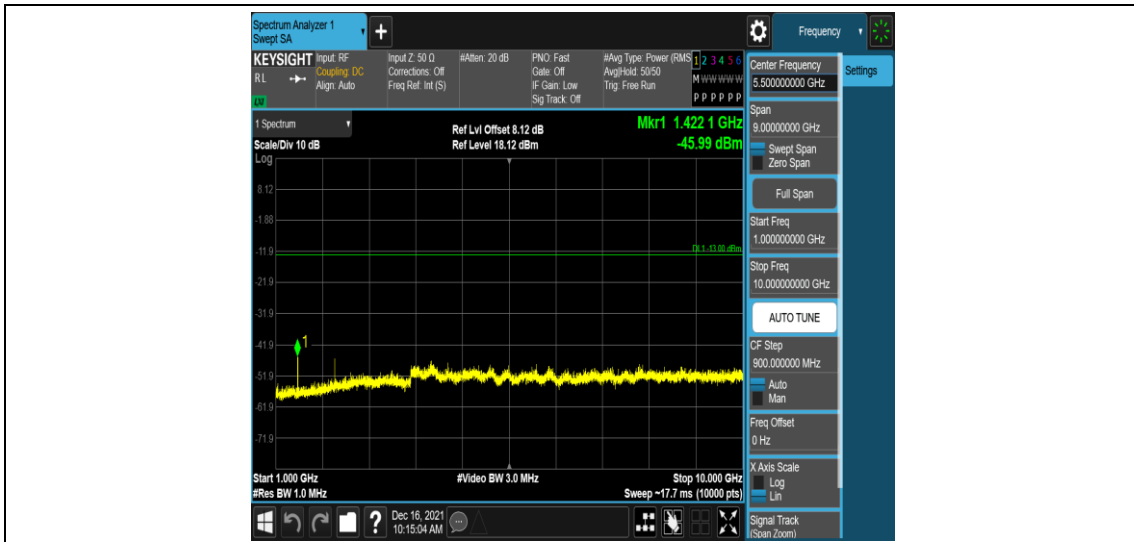
Band17-5MHz-16QAM-23825-1RB#0-Range1:0.009~0.15MHz



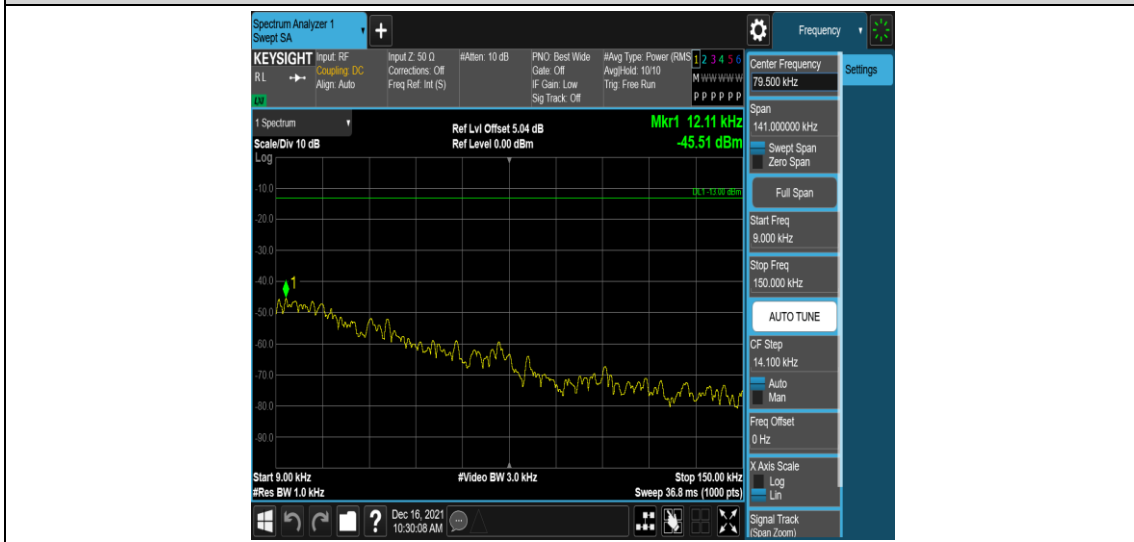
Band17-5MHz-16QAM-23825-1RB#0-Range2:0.15~30MHz



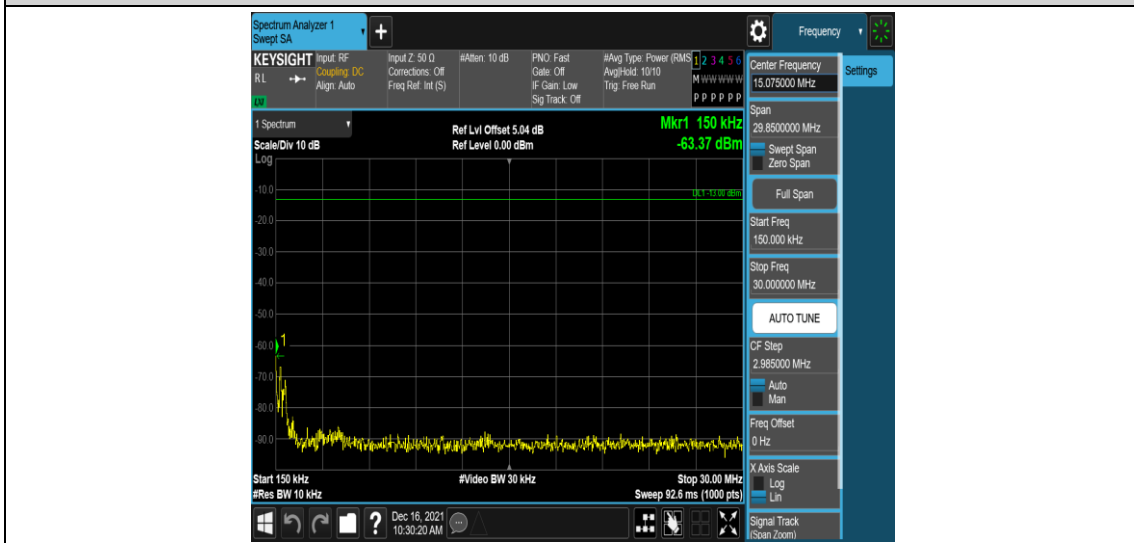
Band17-5MHz-16QAM-23825-1RB#0-Range3:30~1000MHz



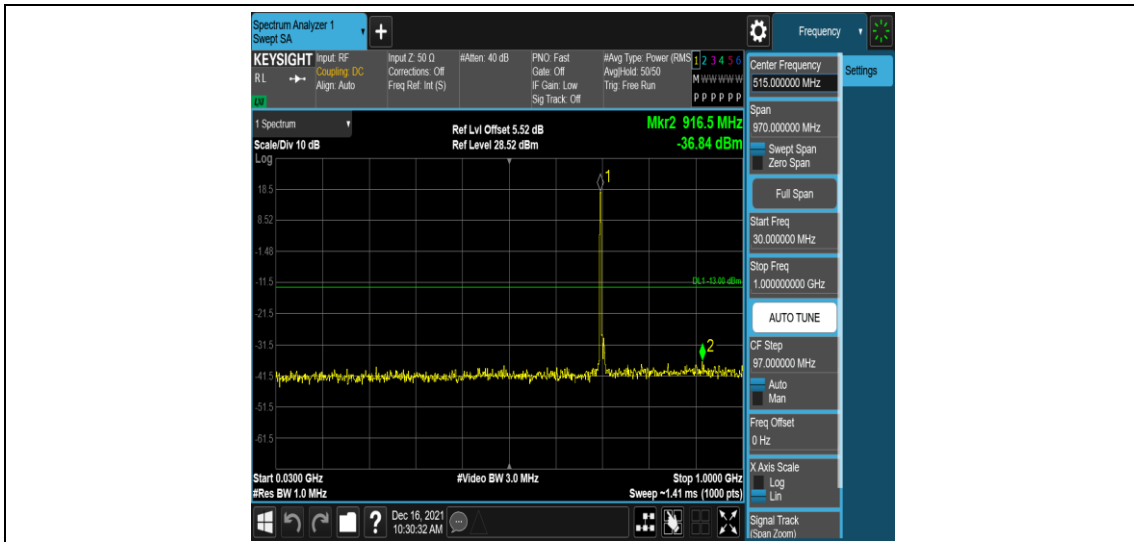
Band17-5MHz-16QAM-23825-1RB#0-Range4:1000~10000MHz



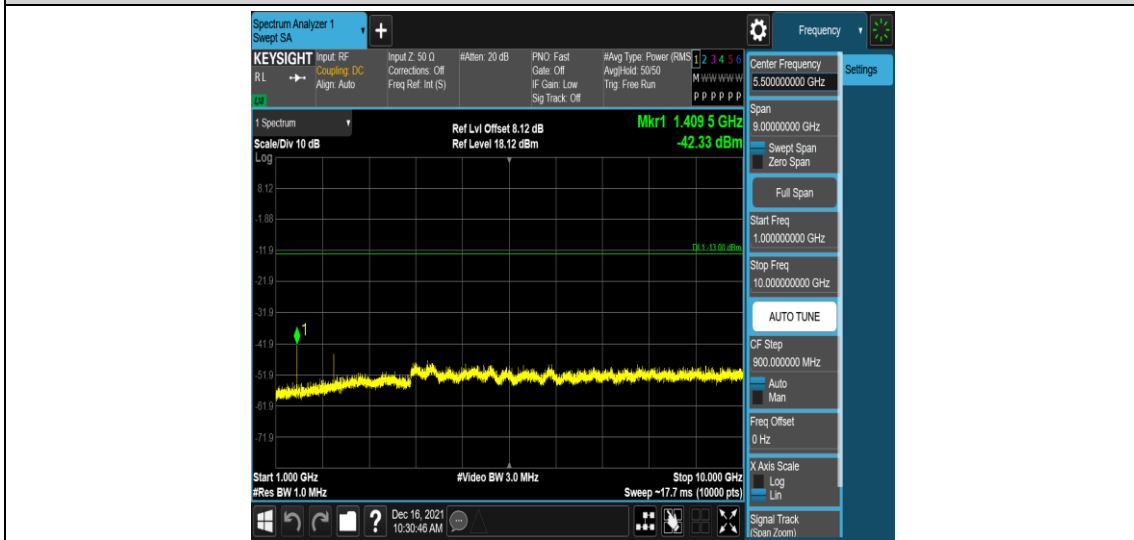
Band17-10MHz-QPSK-23780-1RB#0-Range1:0.009~0.15MHz



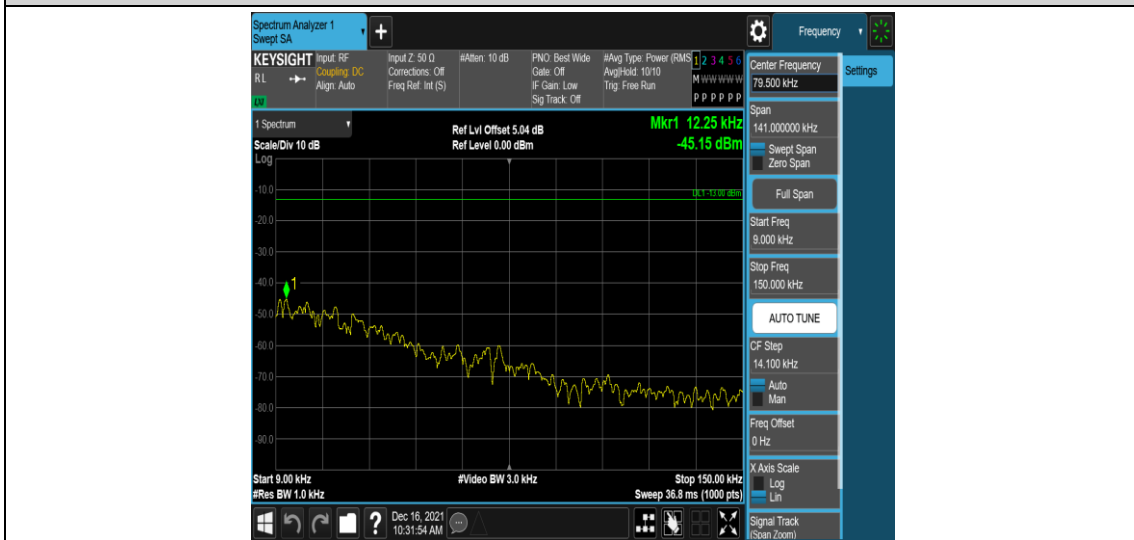
Band17-10MHz-QPSK-23780-1RB#0-Range2:0.15~30MHz



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



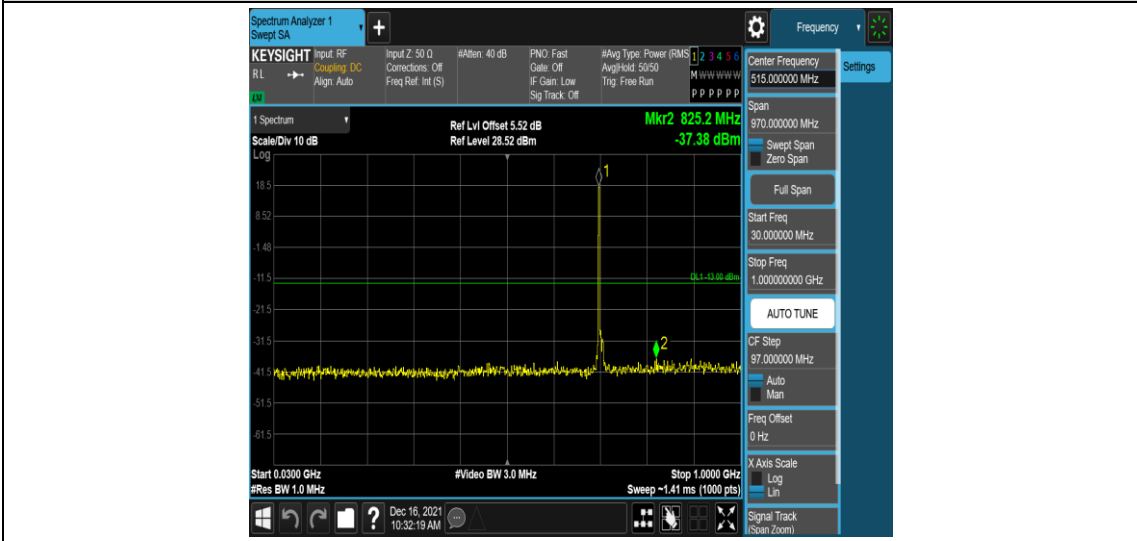
Band17-10MHz-QPSK-23780-1RB#0-Range4:1000~10000MHz



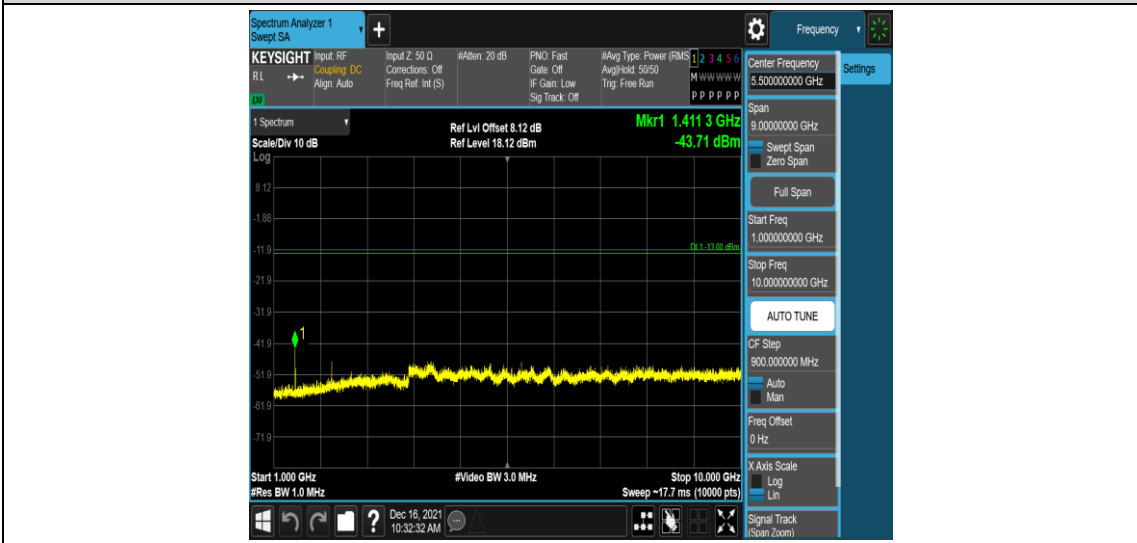
Band17-10MHz-QPSK-23790-1RB#0-Range1:0.009~0.15MHz



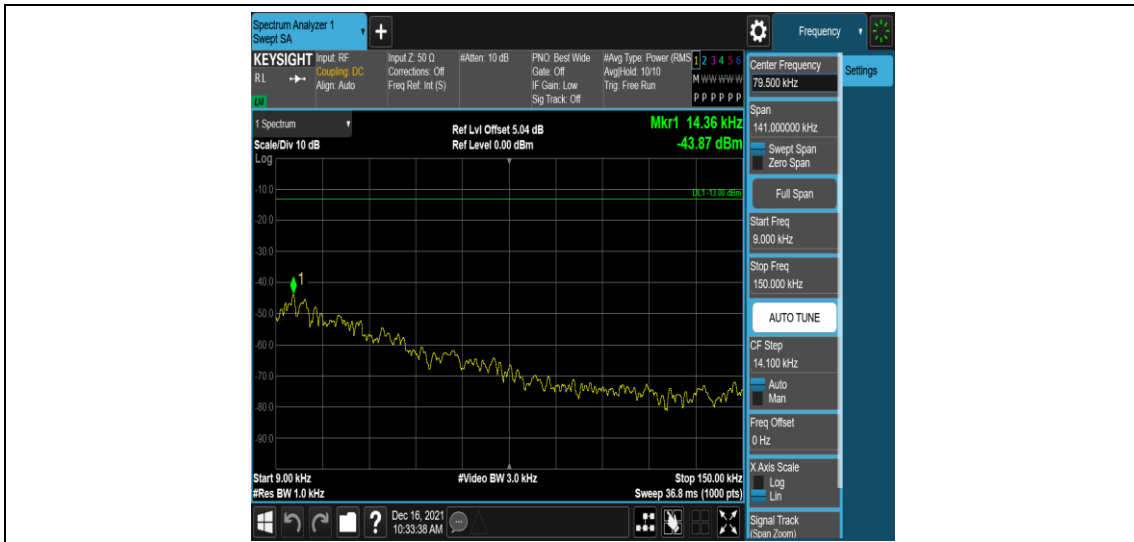
Band17-10MHz-QPSK-23790-1RB#0-Range2:0.15~30MHz



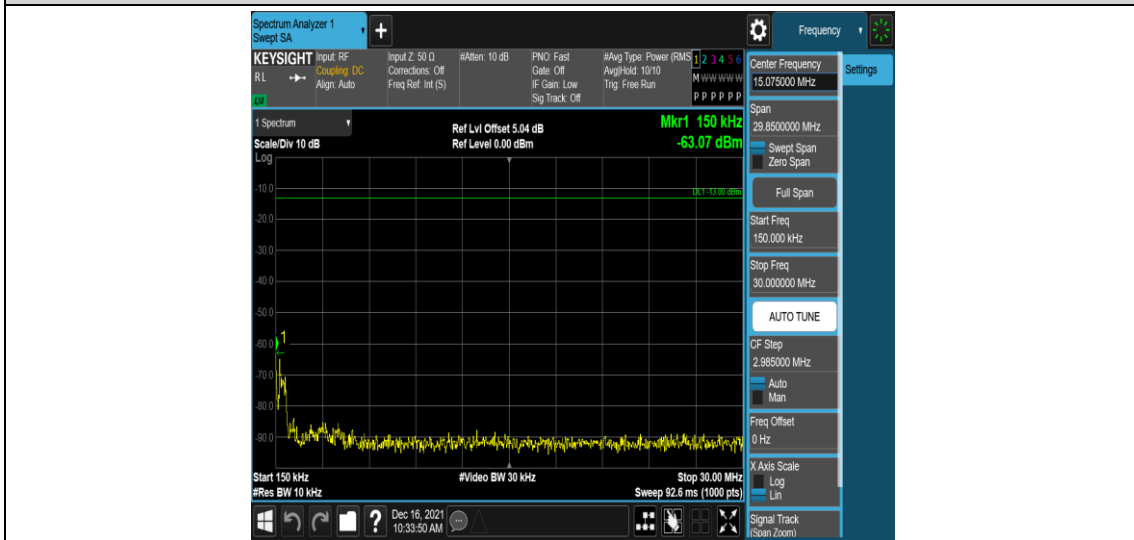
Band17-10MHz-QPSK-23790-1RB#0-Range3:30~1000MHz



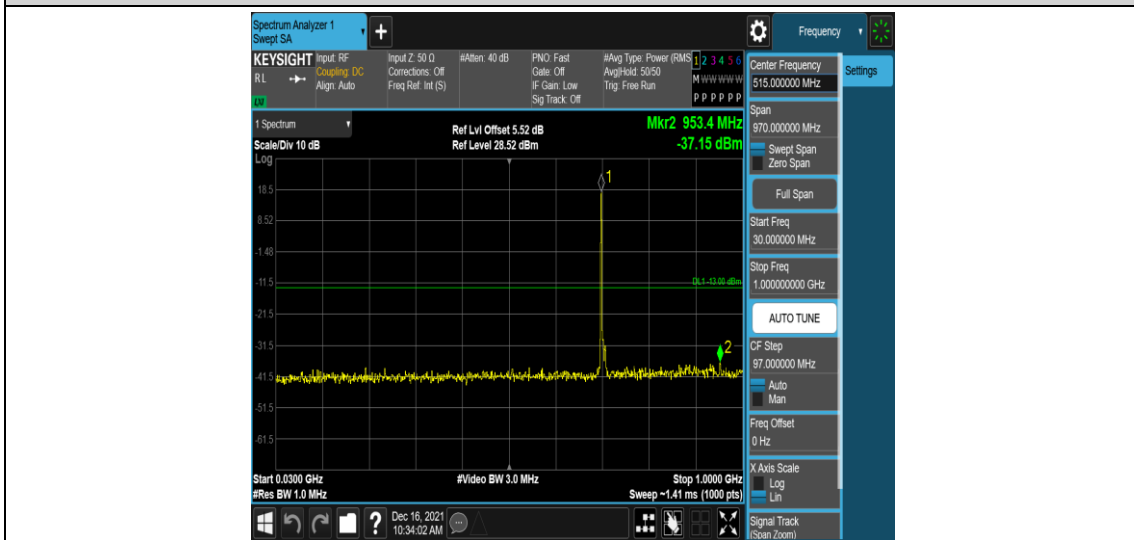
Band17-10MHz-QPSK-23790-1RB#0-Range4:1000~10000MHz



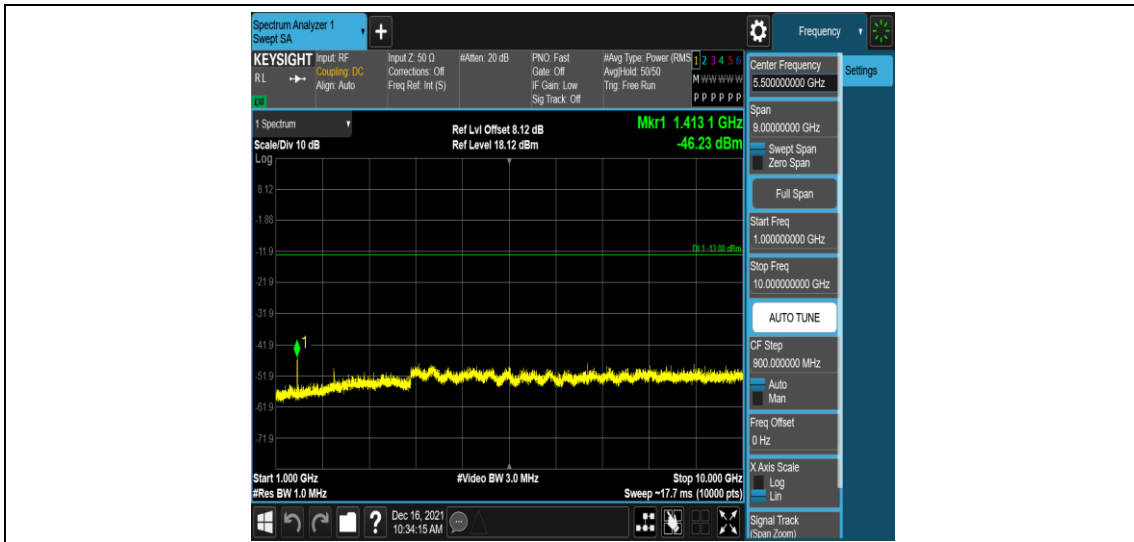
Band17-10MHz-QPSK-23800-1RB#0-Range1:0.009~0.15MHz



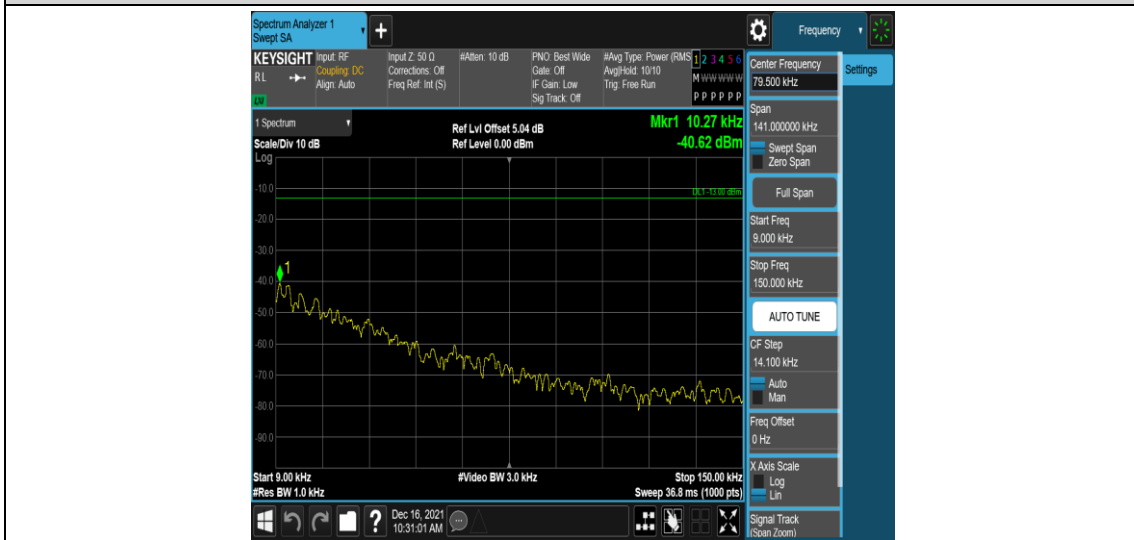
Band17-10MHz-QPSK-23800-1RB#0-Range2:0.15~30MHz



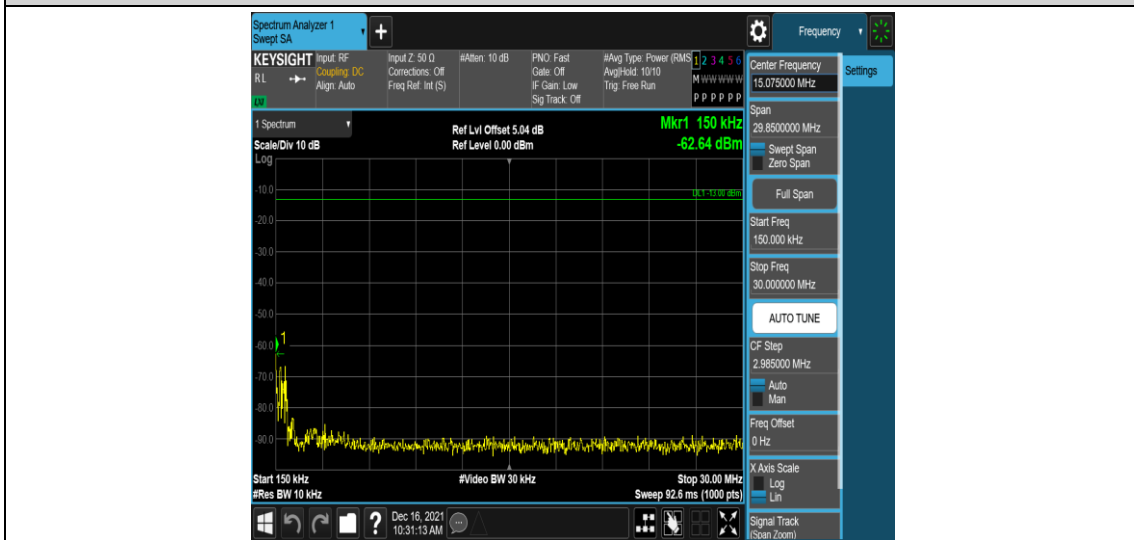
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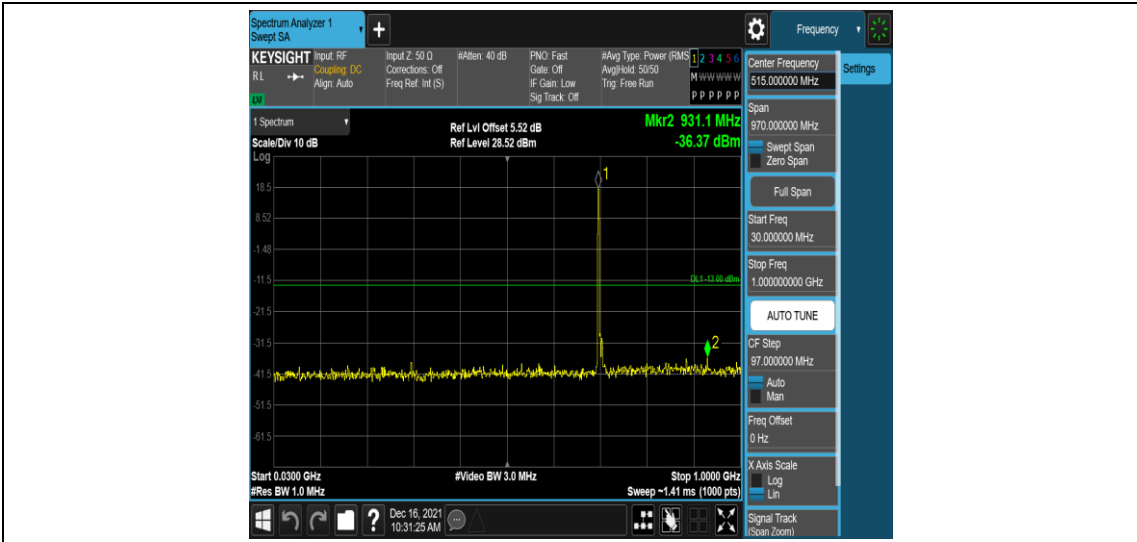
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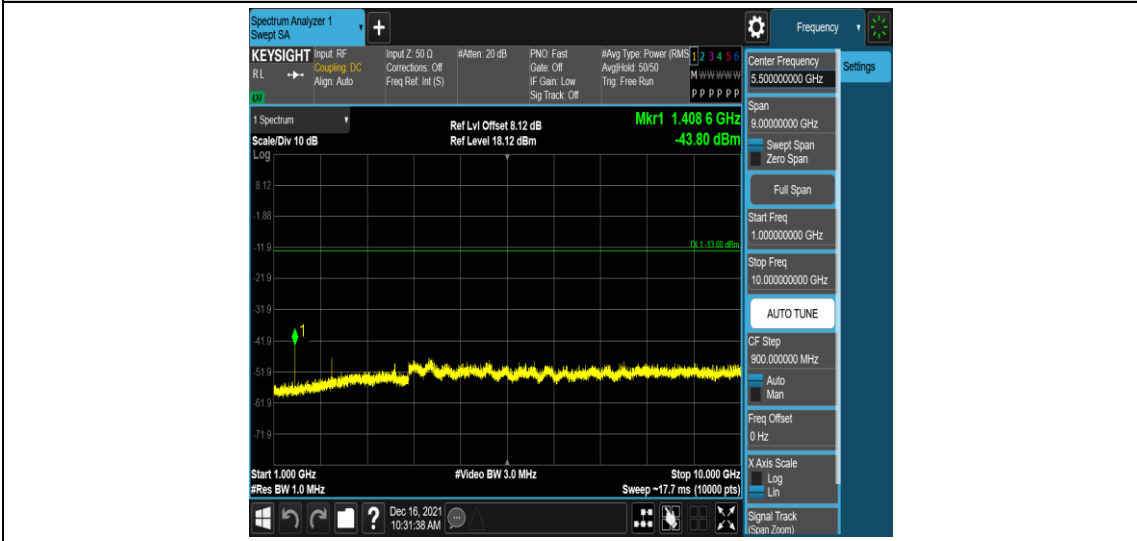
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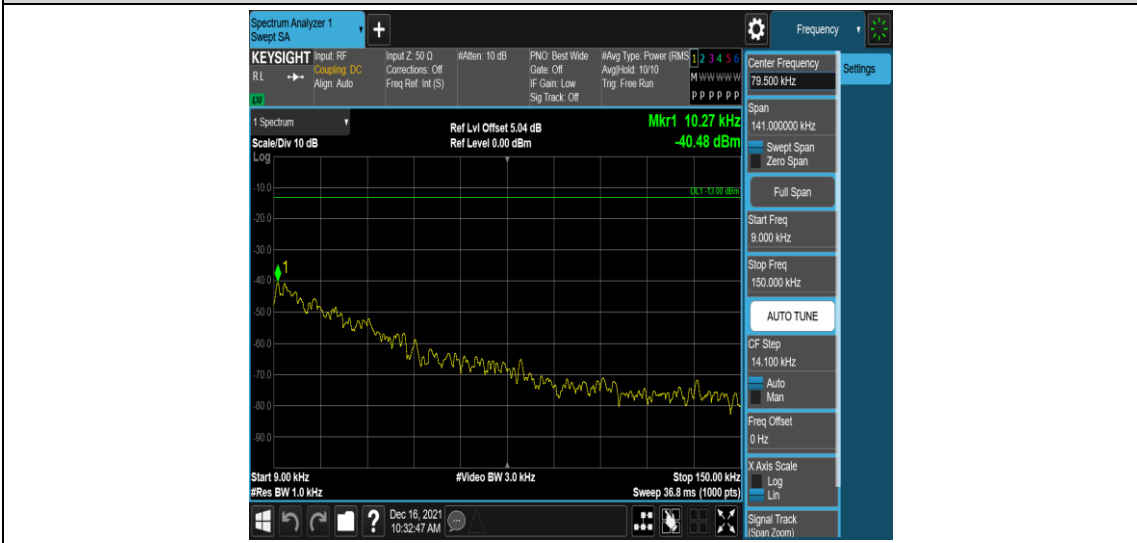
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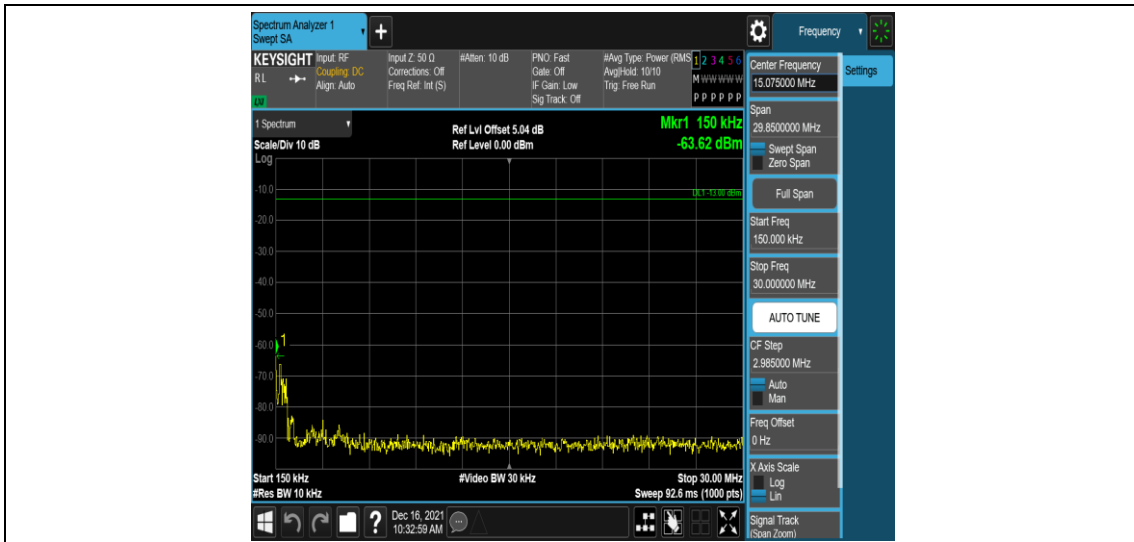
Band17-10MHz-16QAM-23780-1RB#0-Range3:30~1000MHz



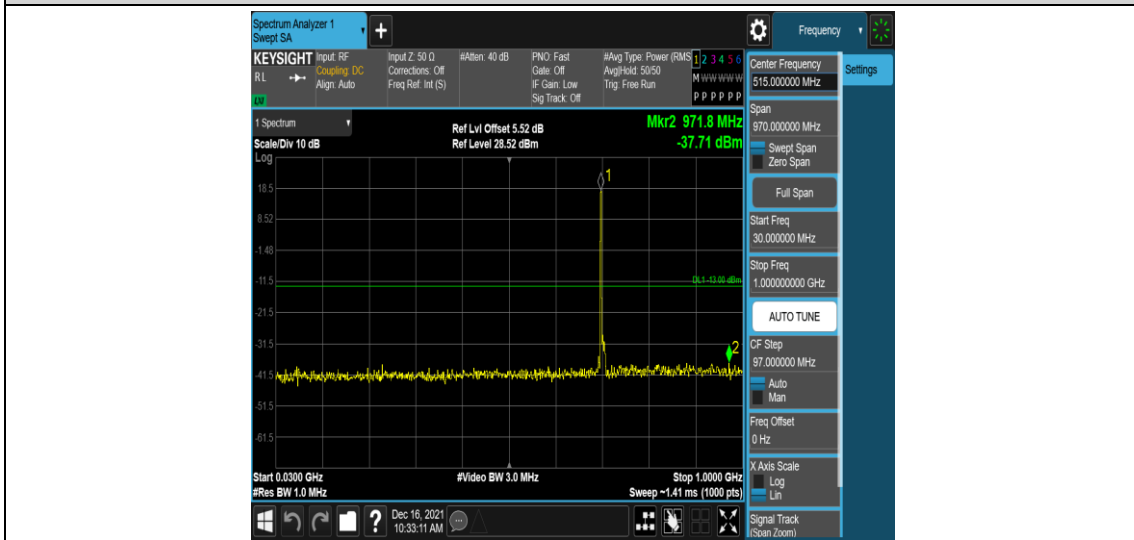
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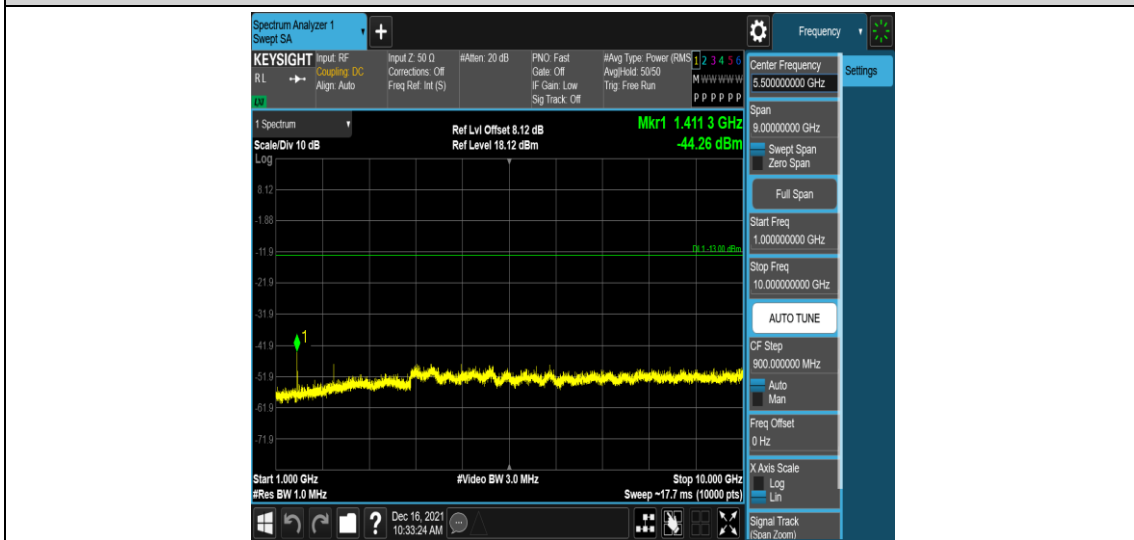
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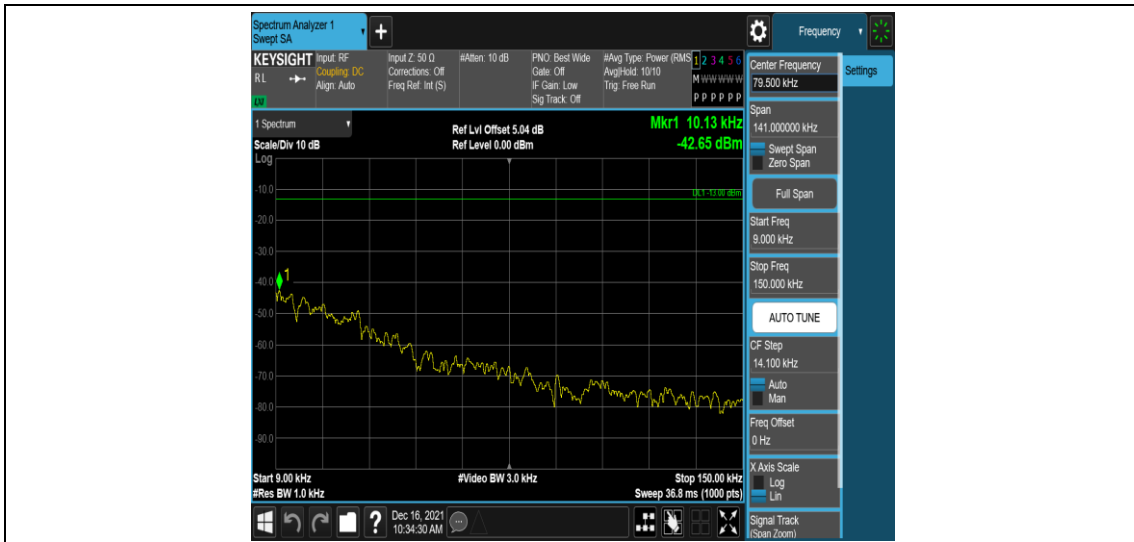
Band17-10MHz-16QAM-23790-1RB#0-Range2:0.15~30MHz



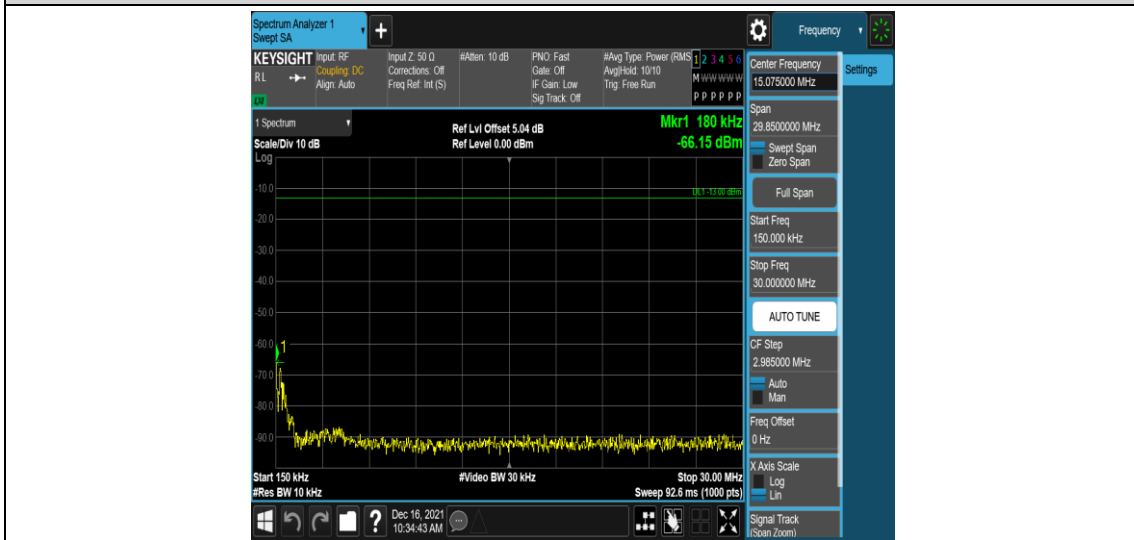
Band17-10MHz-16QAM-23790-1RB#0-Range3:30~1000MHz



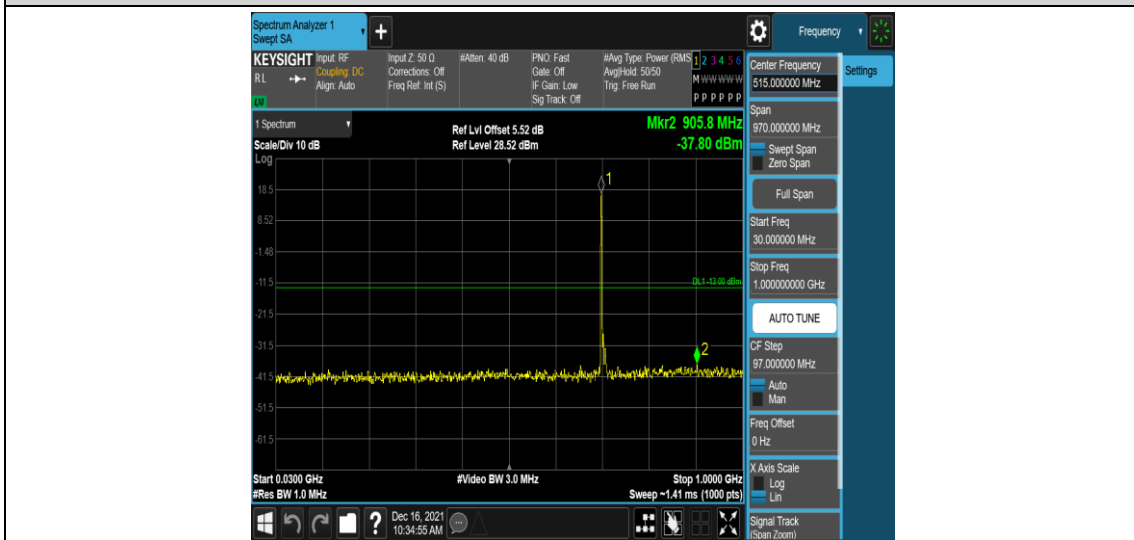
Band17-10MHz-16QAM-23790-1RB#0-Range4:1000~10000MHz



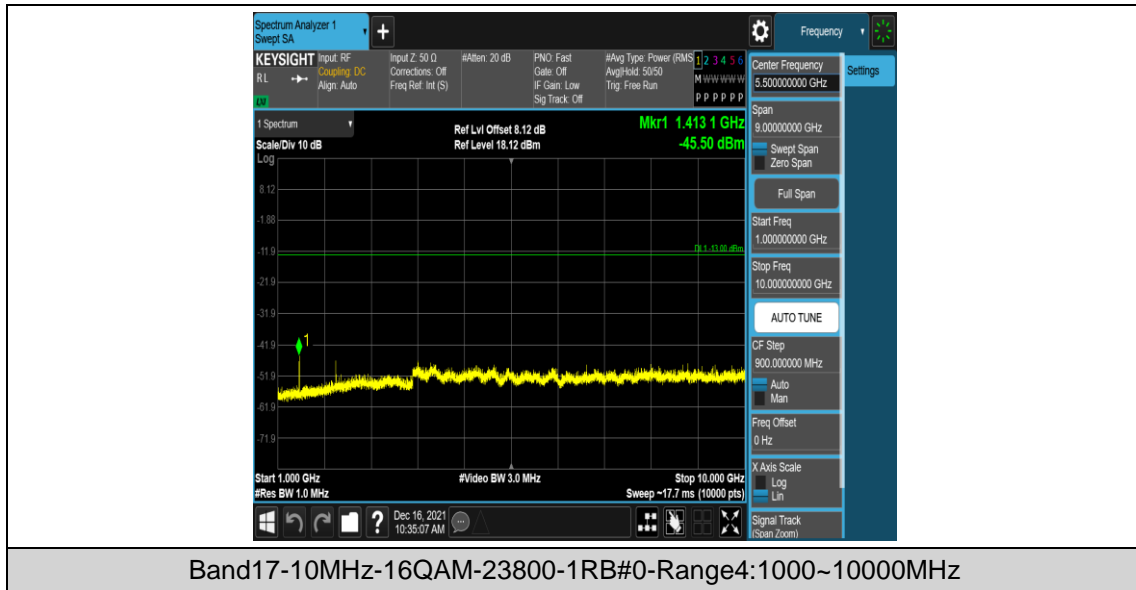
Band17-10MHz-16QAM-23800-1RB#0-Range1:0.009~0.15MHz



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 Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band17	5MHz	QPSK	23755	25RB#0	VL	NT	-1.95	-0.002760	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VN	NT	2.78	0.003935	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VH	NT	1.87	0.002647	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VL	NT	-2.99	-0.004211	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VN	NT	3.99	0.005620	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VH	NT	4.81	0.006775	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VL	NT	1.95	0.002733	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VN	NT	1.89	0.002649	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VH	NT	-6.58	-0.009222	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VL	NT	-2.70	-0.003822	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VN	NT	1.70	0.002406	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VH	NT	-2.23	-0.003156	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VL	NT	4.55	0.006408	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VN	NT	-3.50	-0.004930	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VH	NT	-3.22	-0.004535	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VL	NT	-2.89	-0.004050	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VN	NT	2.00	0.002803	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VH	NT	-2.56	-0.003588	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VL	NT	-3.85	-0.005430	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	-3.20	-0.004513	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	-6.94	-0.009788	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-3.25	-0.004577	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	1.30	0.001831	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-3.42	-0.004817	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	3.28	0.004613	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	7.58	0.010661	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	3.69	0.005190	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VL	NT	-1.60	-0.002257	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VN	NT	-1.44	-0.002031	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VH	NT	1.42	0.002003	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VL	NT	-3.66	-0.005155	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VN	NT	2.86	0.004028	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VH	NT	-3.56	-0.005014	±2.5	PASS

Band17	10MHz	16QAM	23800	50RB#0	VL	NT	-2.83	-0.003980	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VN	NT	3.09	0.004346	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VH	NT	4.73	0.006653	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	NV	-30	-3.46	-0.004897	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-20	2.70	0.003822	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	0	-2.37	-0.003355	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	10	3.73	0.005280	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	20	1.65	0.002335	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-30	-2.05	-0.002887	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-20	5.48	0.007718	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	2.27	0.003197	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	4.88	0.006873	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	2.69	0.003789	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-30	2.98	0.004177	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-20	3.39	0.004751	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	0	-2.55	-0.003574	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	10	-1.79	-0.002509	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	20	-3.02	-0.004233	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-30	4.01	0.005676	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-20	-3.13	-0.004430	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	0	-2.99	-0.004232	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	10	-2.25	-0.003185	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	20	1.72	0.002435	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-30	-2.10	-0.002958	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-20	3.66	0.005155	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	0	-0.99	-0.001394	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	10	-3.09	-0.004352	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	20	3.48	0.004901	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-30	-2.55	-0.003574	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-20	-3.10	-0.004345	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	0	-3.98	-0.005578	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	10	-2.85	-0.003994	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	20	4.03	0.005648	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	-6.94	-0.009788	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	-4.19	-0.005910	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	1.26	0.001777	±2.5	PASS

Band17	10MHz	QPSK	23780	50RB#0	NV	10	-1.09	-0.001537	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	-1.32	-0.001862	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	2.07	0.002915	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	2.47	0.003479	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	1.54	0.002169	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-2.27	-0.003197	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-3.73	-0.005254	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	2.52	0.003544	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	4.09	0.005752	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	-0.94	-0.001322	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	3.32	0.004669	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	3.42	0.004810	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	-5.58	-0.007870	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	-3.48	-0.004908	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	-2.05	-0.002891	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	-5.95	-0.008392	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	-1.99	-0.002807	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-30	4.85	0.006831	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	-3.45	-0.004859	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	-3.09	-0.004352	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	-3.02	-0.004254	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	-1.92	-0.002704	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-30	2.20	0.003094	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	1.39	0.001955	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	4.35	0.006118	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	2.05	0.002883	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	20	2.06	0.002897	±2.5	PASS