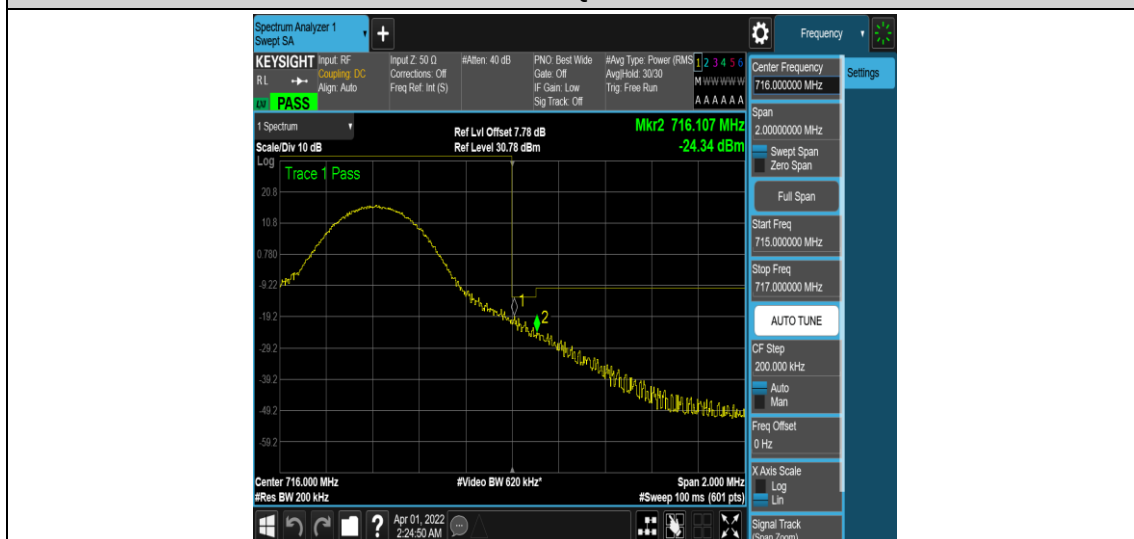








Band17-10MHz-16QAM-23800-1RB#0



Band17-10MHz-16QAM-23800-1RB#49



Band17-10MHz-16QAM-23800-50RB#0

Appendix E: Conducted Spurious Emission

Test Result

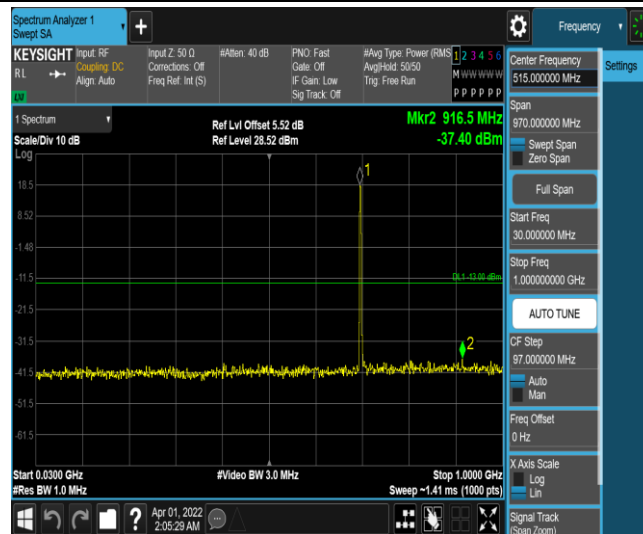
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Verdict
Band17	5MHz	QPSK	23755	1RB#0	Range1:0.009~0.15MHz	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range2:0.15~30MHz	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range3:30~1000MHz	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range4:1000~10000MHz	PASS
Band17	5MHz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



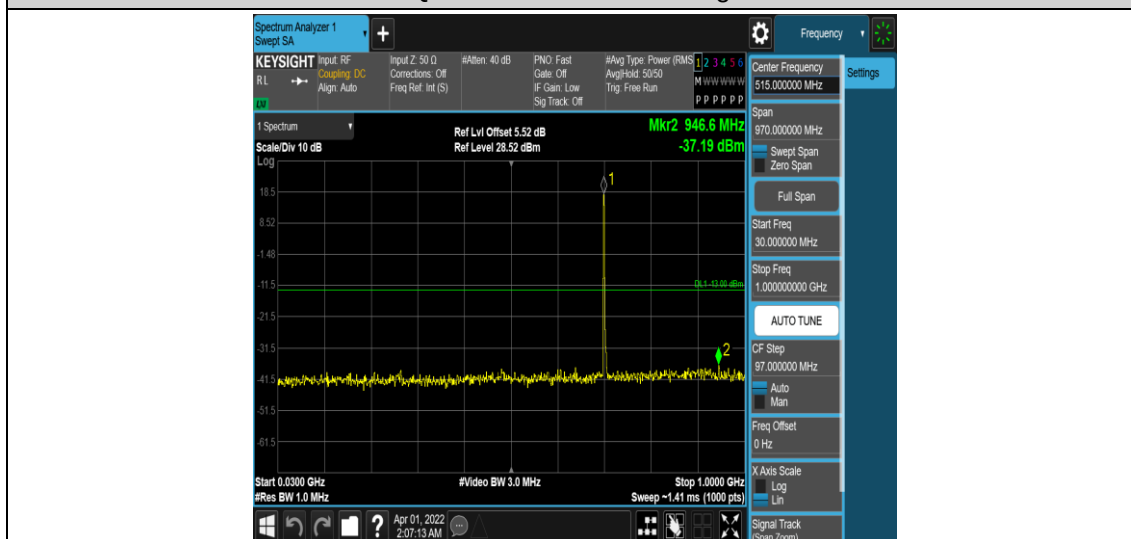
Band17-5MHz-QPSK-23755-1RB#0-Range4:1000~10000MHz



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



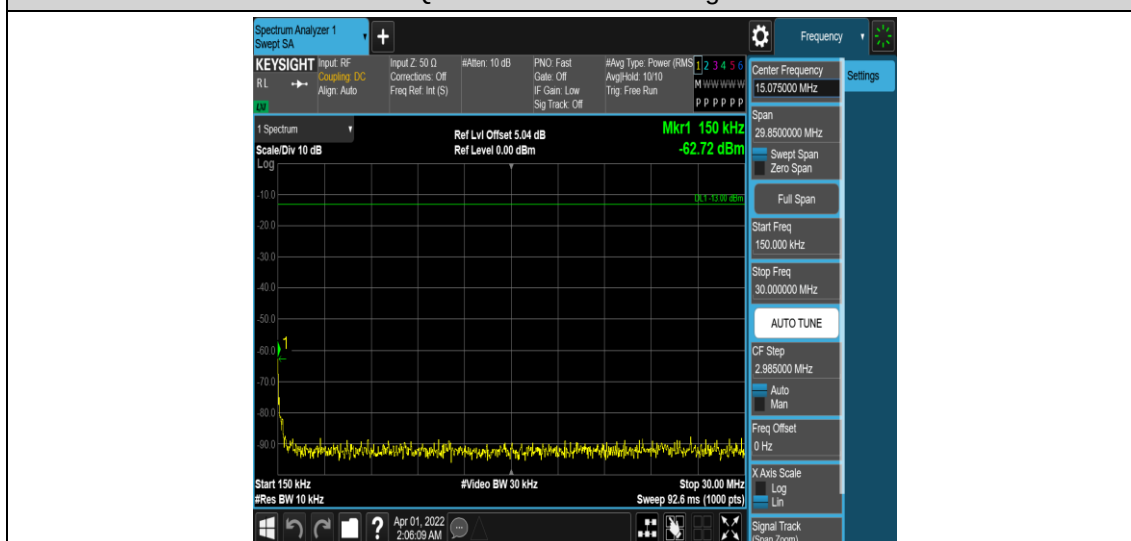
Band17-5MHz-QPSK-23825-1RB#0-Range3:30~1000MHz



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



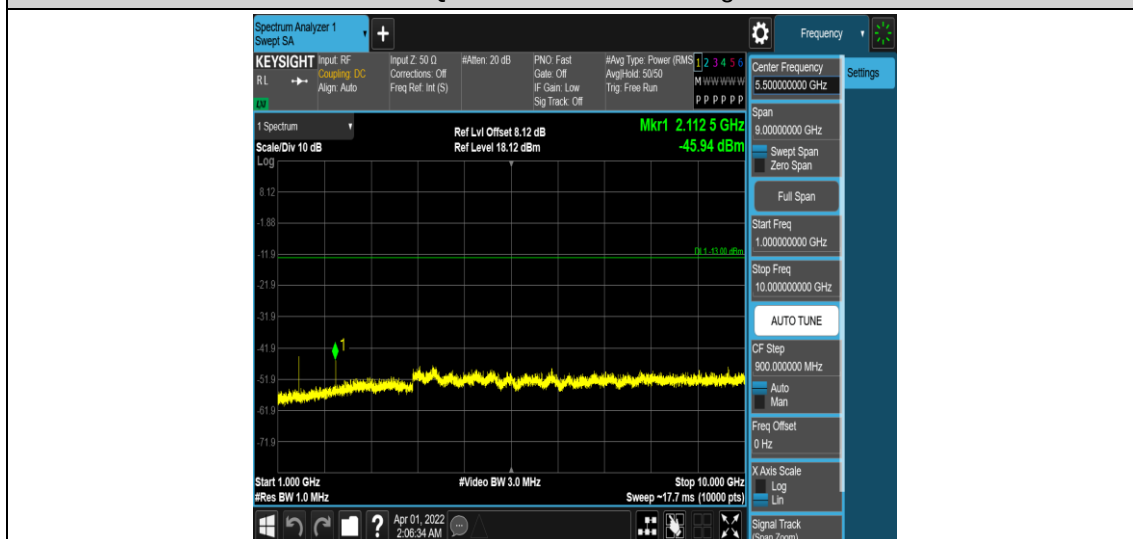
Band17-5MHz-16QAM-23755-1RB#0-Range1:0.009~0.15MHz



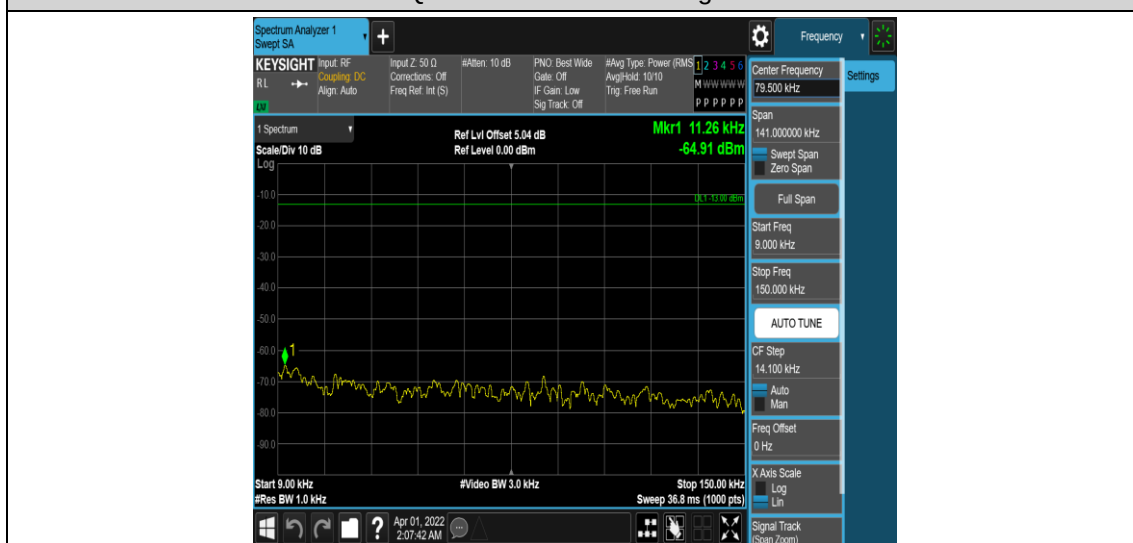
Band17-5MHz-16QAM-23755-1RB#0-Range2:0.15~30MHz



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



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



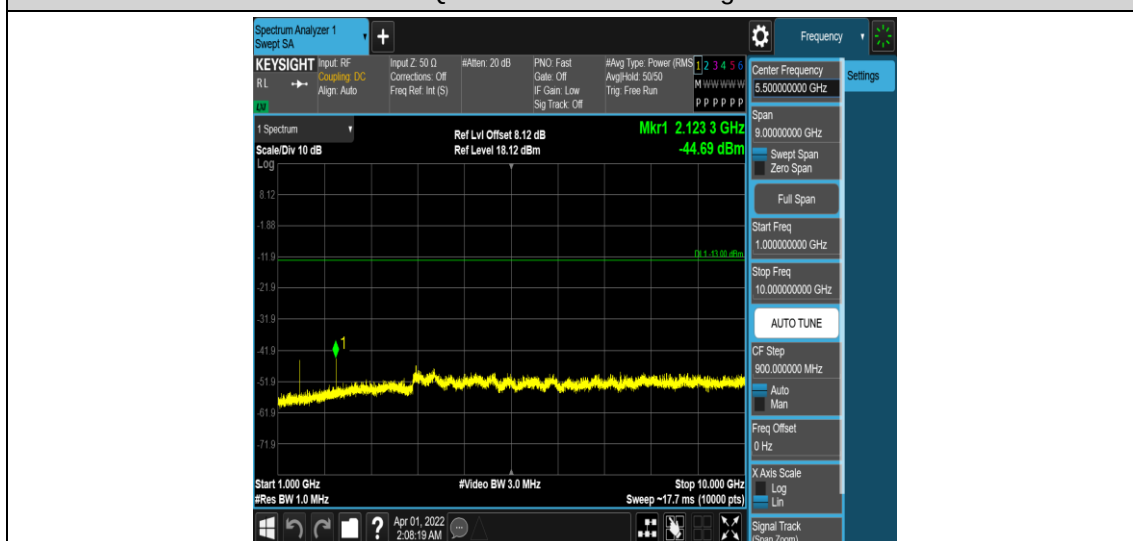
Band17-5MHz-16QAM-23790-1RB#0-Range1:0.009~0.15MHz



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



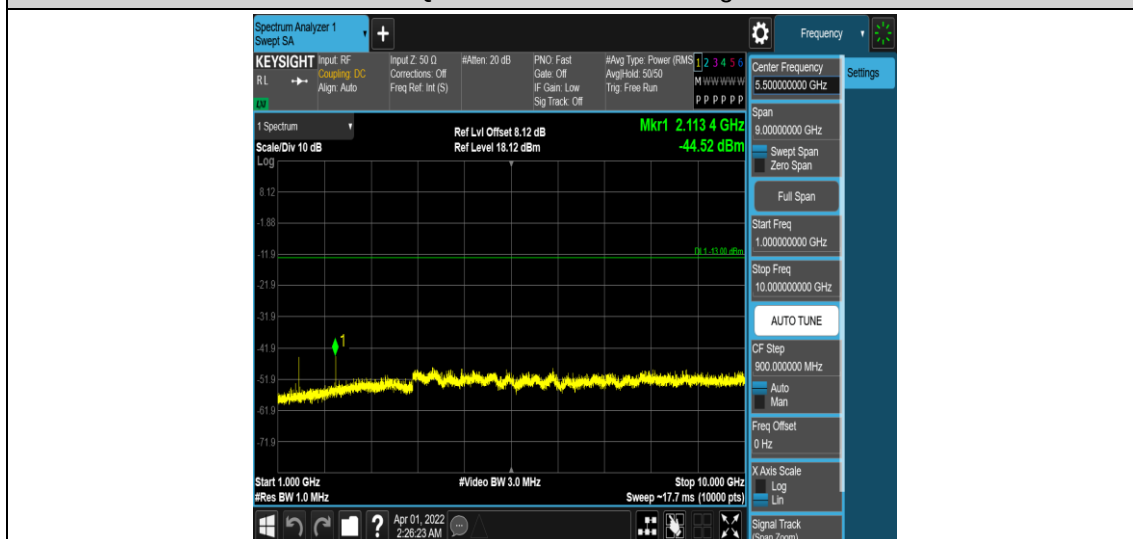
Band17-10MHz-QPSK-23780-1RB#0-Range1:0.009~0.15MHz



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



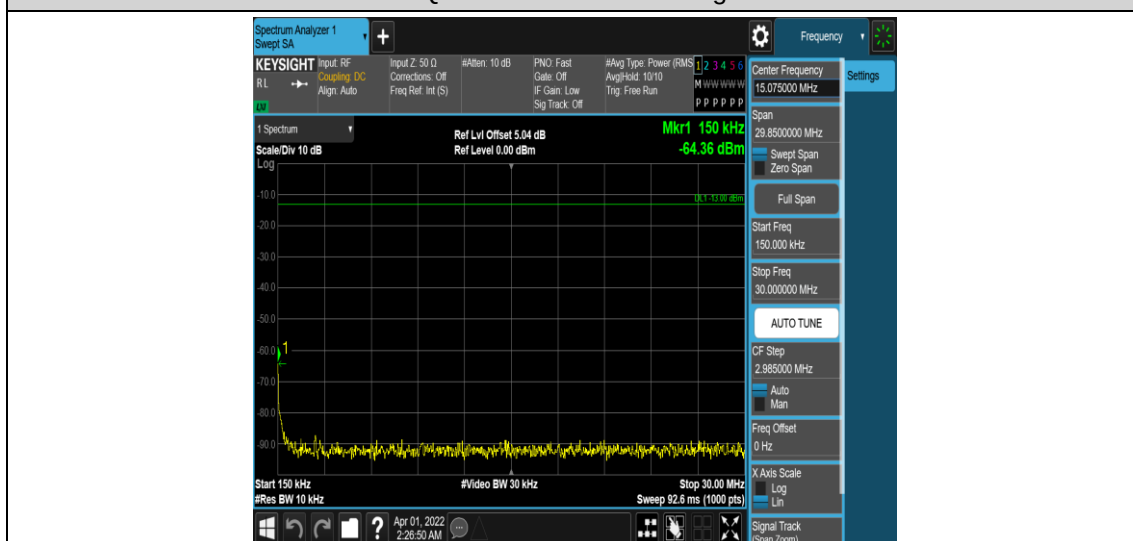
Band17-10MHz-QPSK-23800-1RB#0-Range3:30~1000MHz



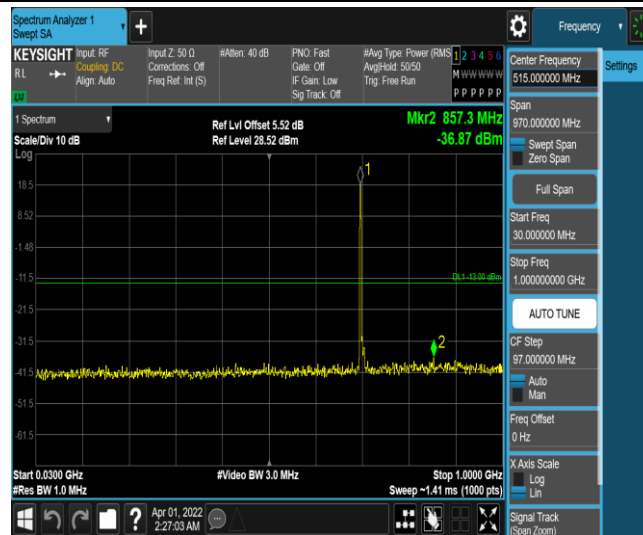
Band17-10MHz-QPSK-23800-1RB#0-Range4:1000~10000MHz



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



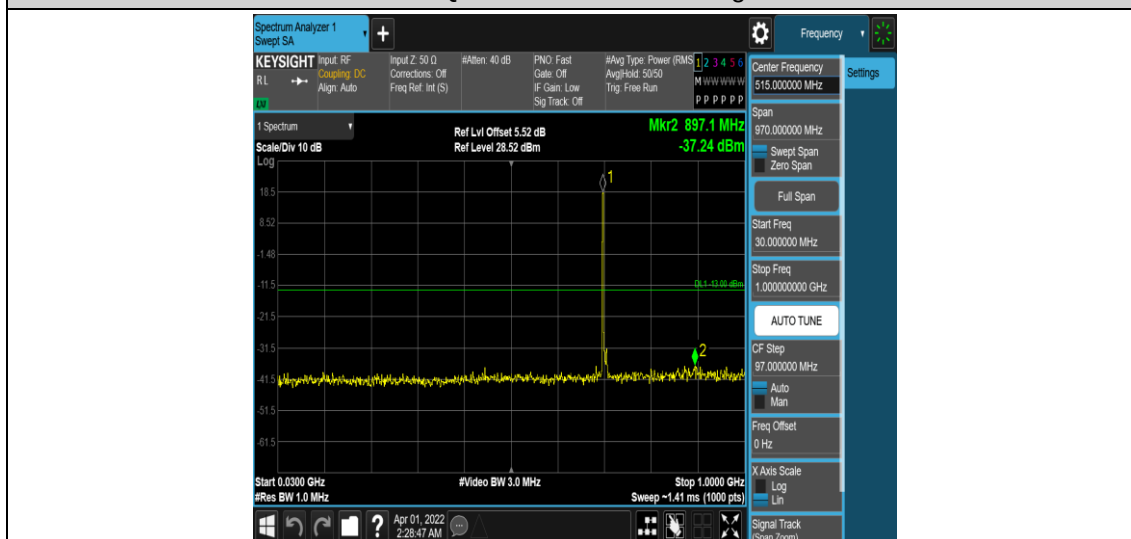
Band17-10MHz-16QAM-23780-1RB#0-Range4:1000~10000MHz



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



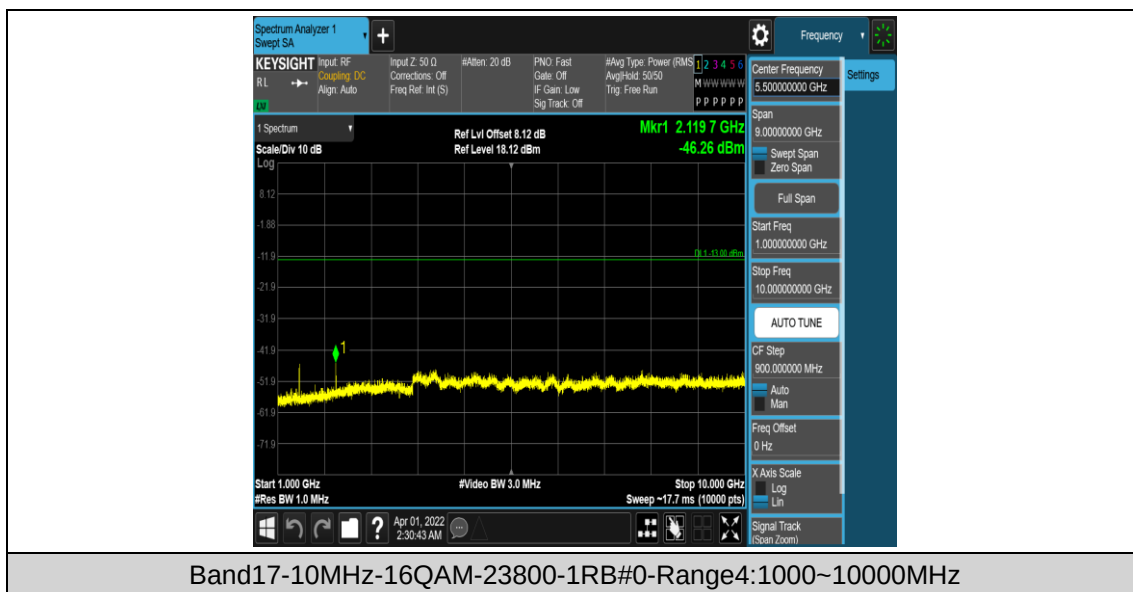
Band17-10MHz-16QAM-23800-1RB#0-Range1:0.009~0.15MHz



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

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	VL	NT	1.02	0.001444	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VN	NT	-2.53	-0.003581	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VH	NT	-4.08	-0.005775	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VL	NT	3.85	0.005423	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VN	NT	-2.15	-0.003028	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VH	NT	2.82	0.003972	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VL	NT	-2.93	-0.004107	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VN	NT	-3.89	-0.005452	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VH	NT	-5.35	-0.007498	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VL	NT	-2.56	-0.003623	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VN	NT	-1.67	-0.002364	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VH	NT	-2.99	-0.004232	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VL	NT	6.18	0.008704	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VN	NT	2.60	0.003662	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VH	NT	1.95	0.002746	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VL	NT	-2.72	-0.003812	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VN	NT	0.92	0.001289	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VH	NT	-2.37	-0.003322	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VL	NT	-3.50	-0.004937	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	-5.15	-0.007264	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	-2.42	-0.003413	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-2.29	-0.003225	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-2.50	-0.003521	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-2.99	-0.004211	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	3.50	0.004923	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	3.73	0.005246	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	3.85	0.005415	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VL	NT	2.96	0.004175	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VN	NT	-4.61	-0.006502	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VH	NT	-6.25	-0.008815	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VL	NT	-2.37	-0.003338	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VN	NT	-4.03	-0.005676	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VH	NT	-1.13	-0.001592	±2.5	PASS

Band17	10MHz	16QAM	23800	50RB#0	VL	NT	3.12	0.004388	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VN	NT	1.33	0.001871	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VH	NT	4.05	0.005696	±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	-0.84	-0.001189	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-20	3.06	0.004331	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	0	-2.60	-0.003680	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	10	-2.47	-0.003496	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	20	-3.15	-0.004459	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-30	2.55	0.003592	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-20	5.75	0.008099	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	2.20	0.003099	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	-1.89	-0.002662	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	-2.62	-0.003690	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-30	-4.82	-0.006755	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-20	-5.75	-0.008059	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	0	-2.63	-0.003686	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	10	-1.14	-0.001598	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	20	-3.69	-0.005172	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-30	-0.82	-0.001161	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-20	-1.46	-0.002067	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	0	-1.09	-0.001543	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	10	-3.58	-0.005067	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	20	2.26	0.003199	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-30	-1.29	-0.001817	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-20	4.91	0.006915	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	0	3.03	0.004268	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	10	-3.06	-0.004310	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	20	1.77	0.002493	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-30	-2.20	-0.003083	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-20	-2.35	-0.003294	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	0	-2.43	-0.003406	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	10	2.53	0.003546	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	20	-1.69	-0.002369	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	1.56	0.002200	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	2.45	0.003456	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	2.20	0.003103	±2.5	PASS

Band17	10MHz	QPSK	23780	50RB#0	NV	10	-4.91	-0.006925	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	-4.72	-0.006657	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	-3.69	-0.005197	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	2.17	0.003056	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-1.95	-0.002746	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-4.89	-0.006887	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-4.03	-0.005676	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	3.13	0.004402	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	-2.23	-0.003136	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	3.10	0.004360	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	3.30	0.004641	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	-2.53	-0.003558	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	-2.76	-0.003893	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	5.38	0.007588	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	-6.39	-0.009013	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	-2.66	-0.003752	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	-3.85	-0.005430	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-30	-7.28	-0.010254	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	-4.88	-0.006873	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	-2.73	-0.003845	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	-2.57	-0.003620	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	-4.39	-0.006183	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-30	3.56	0.005007	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	-1.30	-0.001828	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	-1.53	-0.002152	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	5.02	0.007060	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	20	3.28	0.004613	±2.5	PASS