

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-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



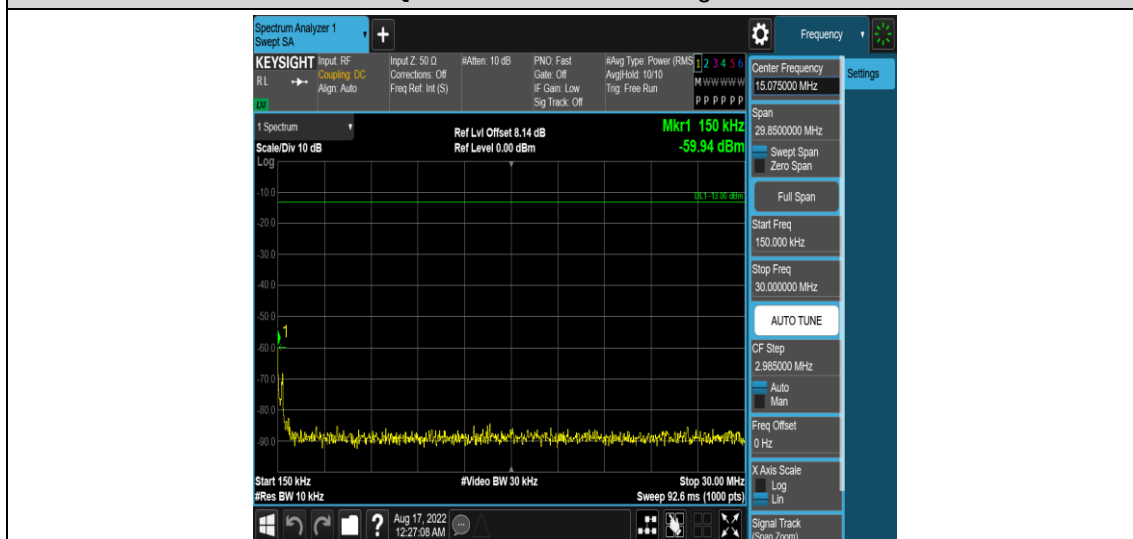
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Band17-5MHz-QPSK-23790-1RB#0-Range4:1000~10000MHz



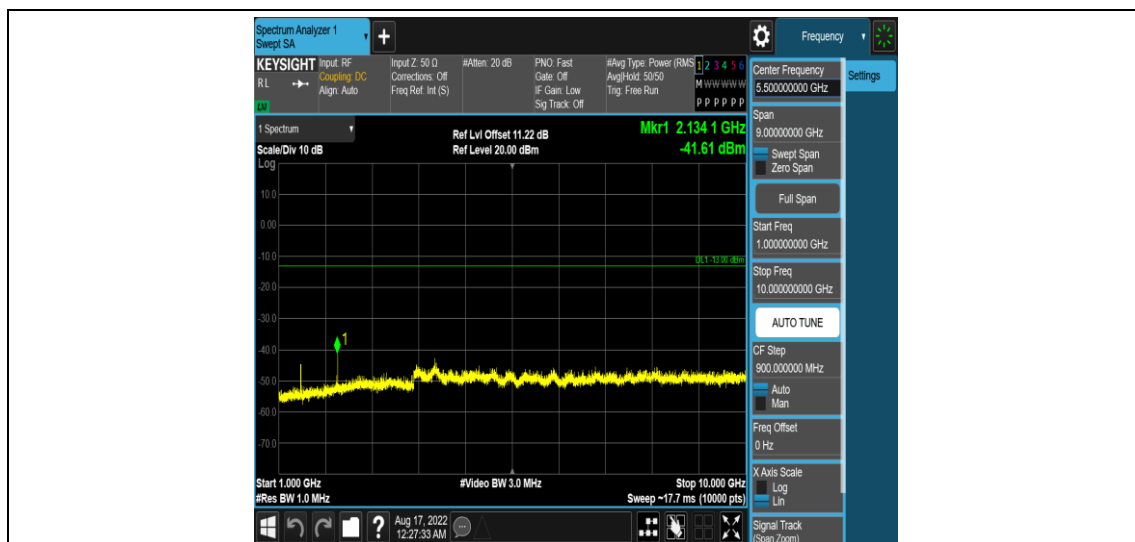
Band17-5MHz-QPSK-23825-1RB#0-Range1:0.009~0.15MHz



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



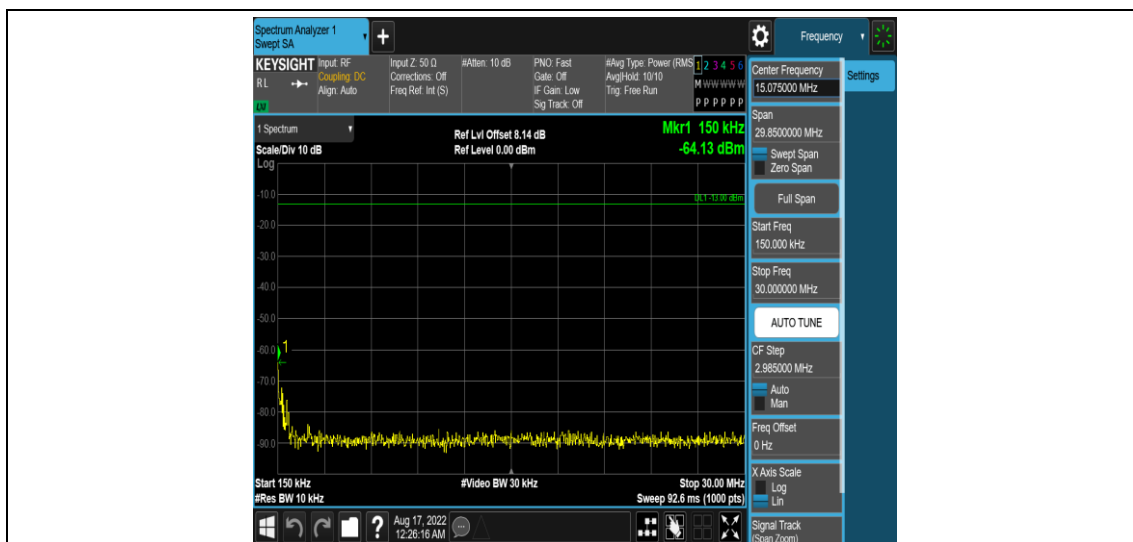
Band17-5MHz-16QAM-23755-1RB#0-Range3:30~1000MHz



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



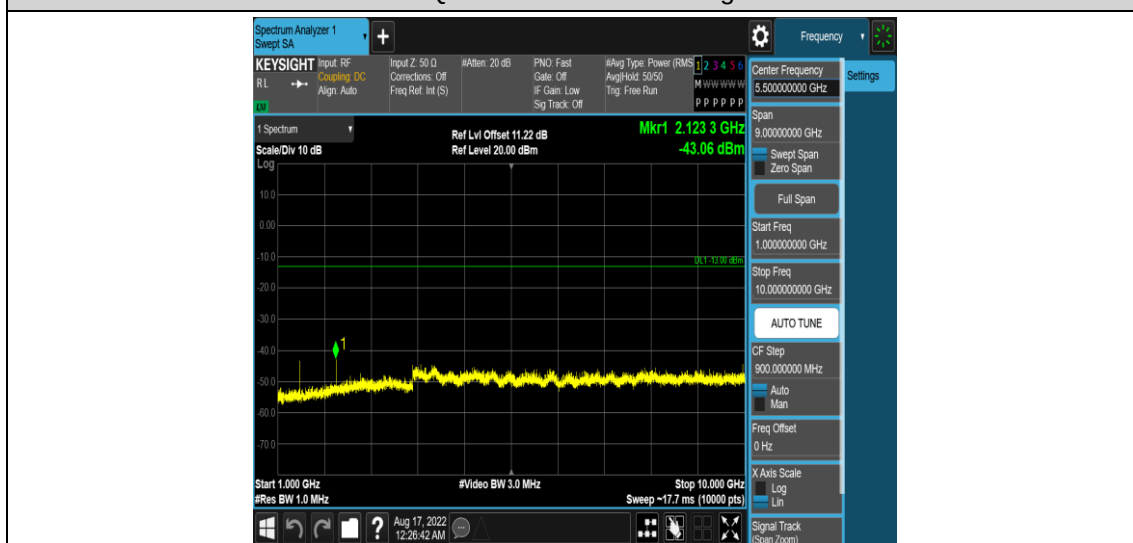
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Band17-5MHz-16QAM-23790-1RB#0-Range2:0.15~30MHz



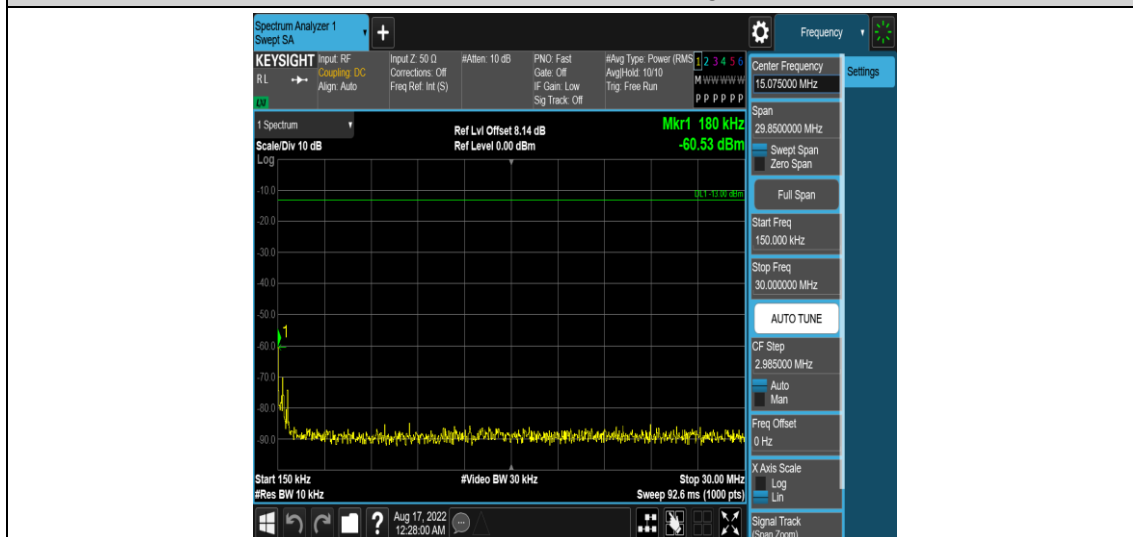
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Band17-5MHz-16QAM-23790-1RB#0-Range4:1000~10000MHz



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



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



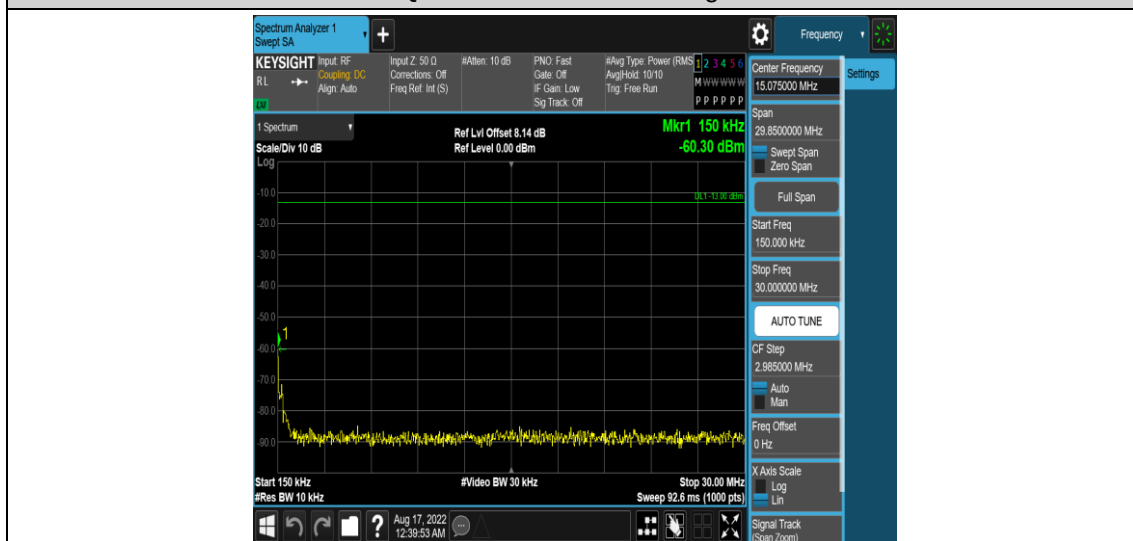
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Band17-5MHz-16QAM-23825-1RB#0-Range4:1000~10000MHz



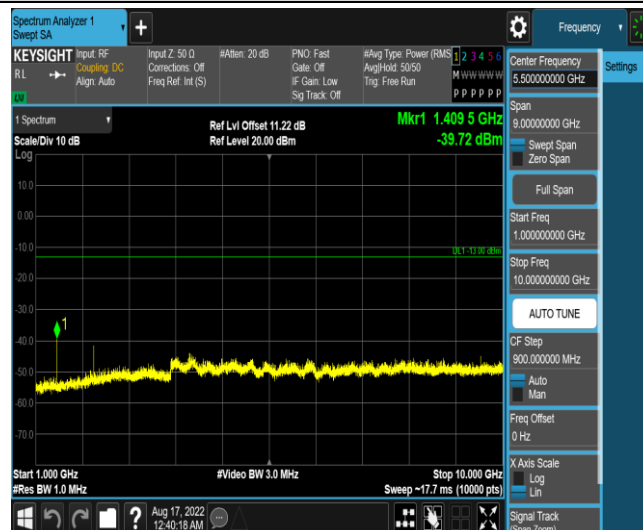
Band17-10MHz-QPSK-23780-1RB#0-Range1:0.009~0.15MHz



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



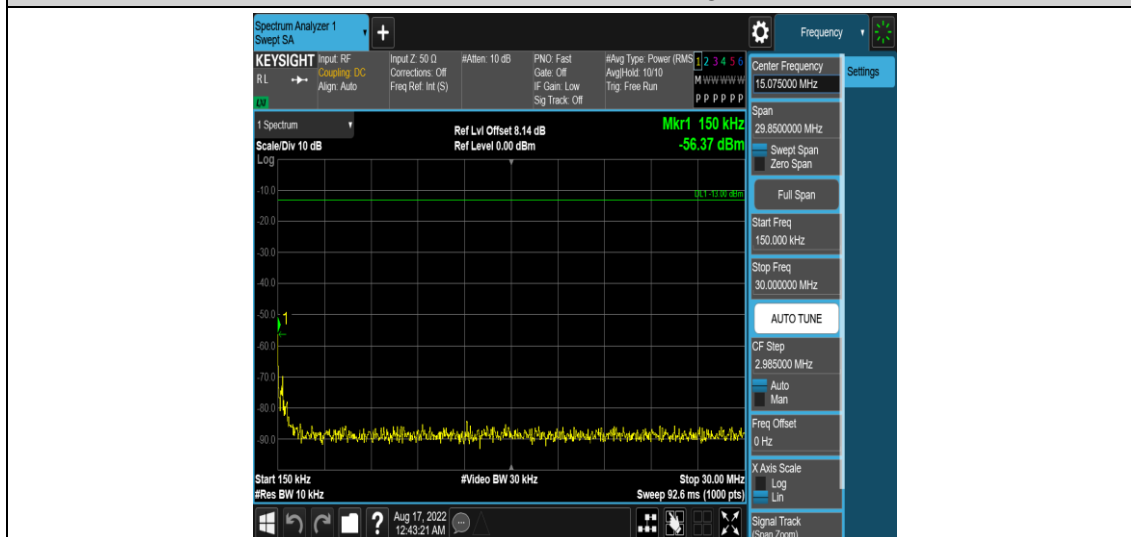
Band17-10MHz-QPSK-23790-1RB#0-Range3:30~1000MHz



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



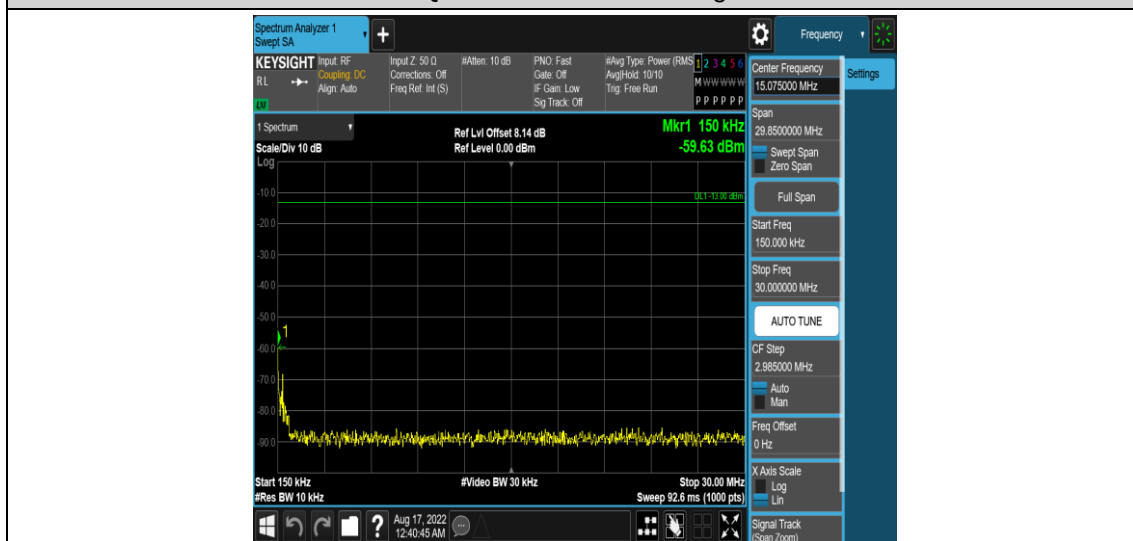
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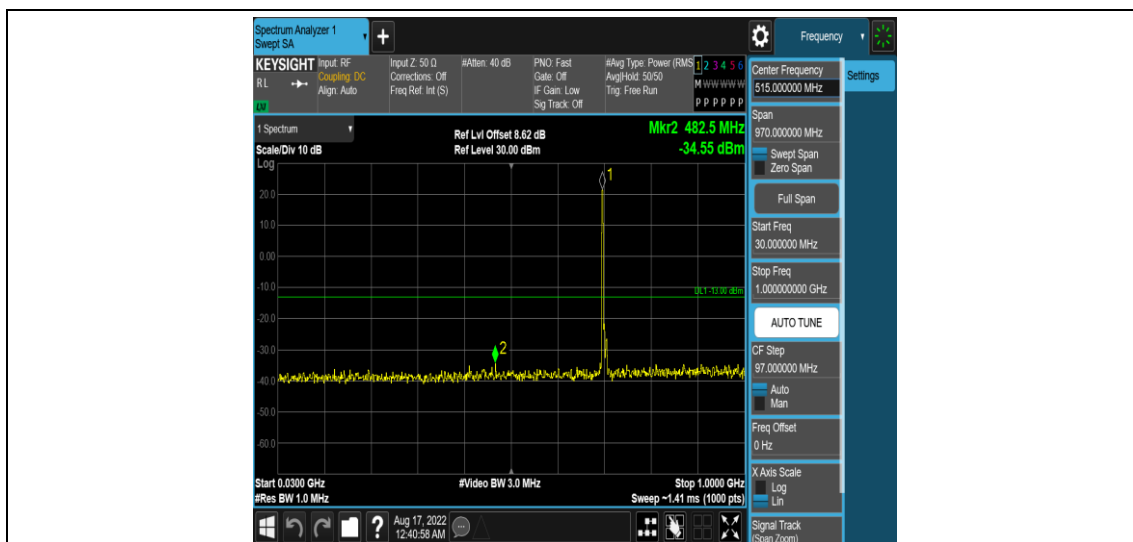
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Band17-10MHz-16QAM-23780-1RB#0-Range1:0.009~0.15MHz



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



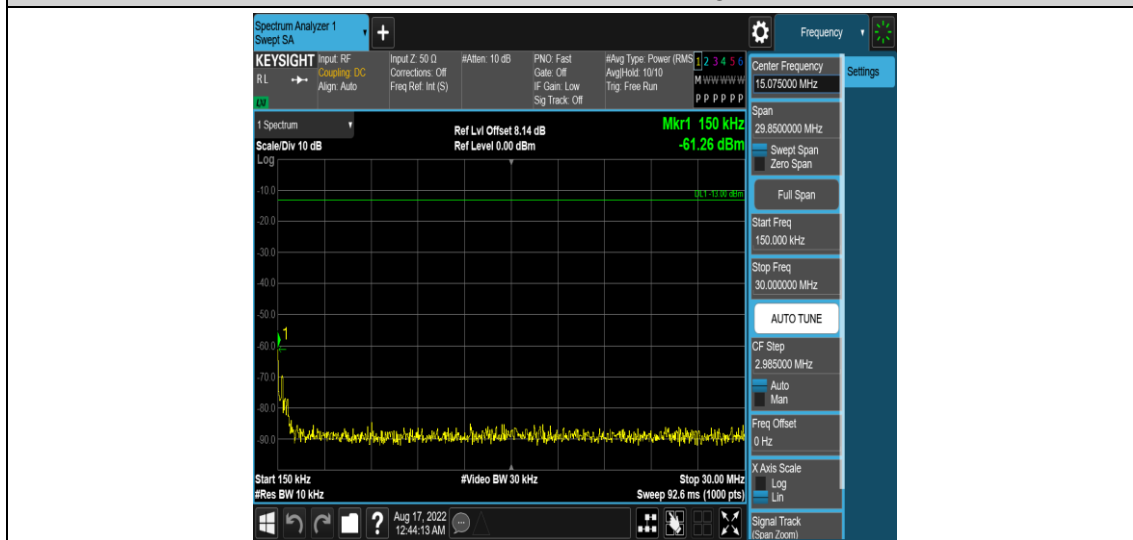
Band17-10MHz-16QAM-23790-1RB#0-Range3:30~1000MHz



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



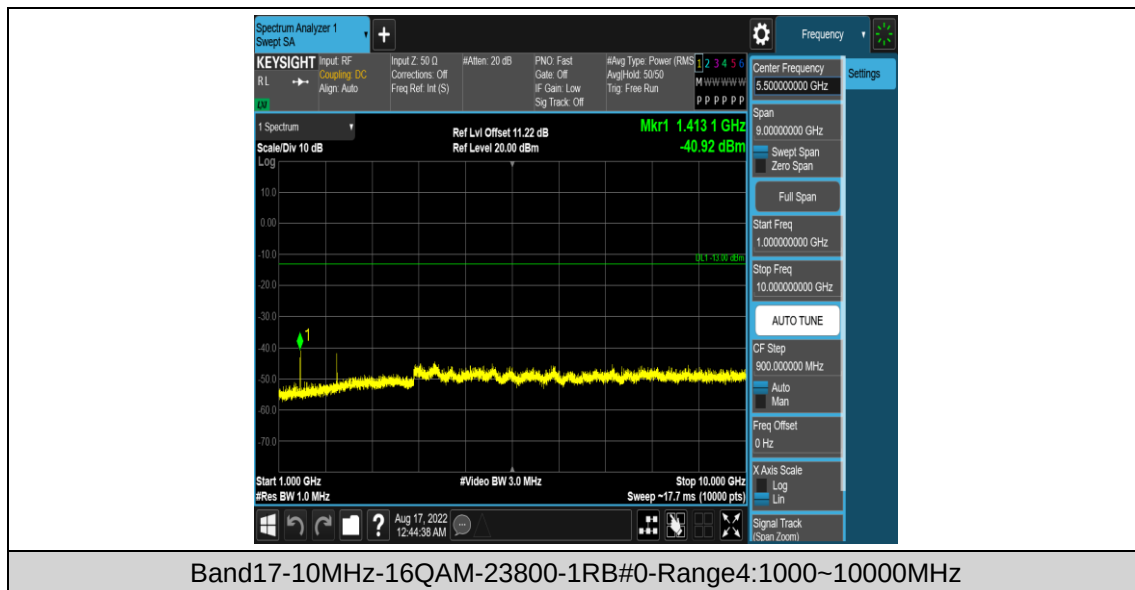
Band17-10MHz-16QAM-23800-1RB#0-Range1:0.009~0.15MHz



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 Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band17	5MHz	QPSK	23755	25RB#0	VL	NT	-6.65	-0.009413	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VN	NT	6.61	0.009356	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VH	NT	8.13	0.011507	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VL	NT	6.41	0.009028	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VN	NT	5.41	0.007620	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VH	NT	-7.11	-0.010014	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VL	NT	-7.11	-0.009965	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VN	NT	4.71	0.006601	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VH	NT	6.97	0.009769	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VL	NT	9.98	0.014126	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VN	NT	-9.21	-0.013036	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VH	NT	7.64	0.010814	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VL	NT	5.05	0.007113	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VN	NT	-7.80	-0.010986	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VH	NT	-8.50	-0.011972	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VL	NT	-7.40	-0.010371	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VN	NT	-7.64	-0.010708	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VH	NT	6.38	0.008942	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VL	NT	1.40	0.001975	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	7.05	0.009944	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	-5.89	-0.008307	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-6.91	-0.009732	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	7.12	0.010028	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	2.35	0.003310	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	7.11	0.010000	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	-8.58	-0.012068	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	-9.86	-0.013868	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VL	NT	-6.48	-0.009140	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VN	NT	7.77	0.010959	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VH	NT	9.46	0.013343	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VL	NT	-6.22	-0.008761	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VN	NT	-5.78	-0.008141	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VH	NT	-5.18	-0.007296	±2.5	PASS

Band17	10MHz	16QAM	23800	50RB#0	VL	NT	-9.71	-0.013657	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VN	NT	-10.80	-0.015190	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VH	NT	-8.98	-0.012630	±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	-6.54	-0.009257	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-20	2.27	0.003213	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	0	-5.98	-0.008464	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	10	7.14	0.010106	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	20	6.92	0.009795	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-30	-7.90	-0.011127	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-20	4.84	0.006817	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	6.14	0.008648	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	-6.94	-0.009775	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	5.74	0.008085	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-30	-8.23	-0.011535	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-20	-2.09	-0.002929	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	0	-2.40	-0.003364	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	10	5.42	0.007596	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	20	-6.90	-0.009671	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-30	-6.04	-0.008549	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-20	-6.28	-0.008889	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	0	6.82	0.009653	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	10	2.32	0.003284	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	20	9.71	0.013744	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-30	-8.33	-0.011732	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-20	-9.73	-0.013704	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	0	-7.78	-0.010958	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	10	-7.41	-0.010437	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	20	-6.92	-0.009746	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-30	-6.07	-0.008507	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-20	-7.97	-0.011170	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	0	-7.91	-0.011086	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	10	-6.32	-0.008858	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	20	-6.37	-0.008928	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	7.91	0.011157	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	7.24	0.010212	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	-5.62	-0.007927	±2.5	PASS

Band17	10MHz	QPSK	23780	50RB#0	NV	10	9.73	0.013724	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	8.93	0.012595	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	1.13	0.001592	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	4.28	0.006028	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	7.14	0.010056	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-7.44	-0.010479	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	8.83	0.012437	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	-8.47	-0.011913	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	-8.87	-0.012475	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	-6.94	-0.009761	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	-8.91	-0.012532	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	7.93	0.011153	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	-7.82	-0.011030	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	-8.17	-0.011523	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	-4.43	-0.006248	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	-7.68	-0.010832	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	8.17	0.011523	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-30	9.08	0.012789	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	10.70	0.015070	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	1.90	0.002676	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	-3.36	-0.004732	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	-4.16	-0.005859	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-30	3.33	0.004684	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	-8.25	-0.011603	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	6.15	0.008650	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	-9.60	-0.013502	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	20	6.49	0.009128	±2.5	PASS