

Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	Range1:30~1000MHz	-30.37	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range2:1000~10000MHz	-31.5	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range3:1559~1610MHz	-50.92	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-30.46	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range2:1000~10000MHz	-31.1	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range3:1559~1610MHz	-57.30	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range1:30~1000MHz	-30.79	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range2:1000~10000MHz	-31.25	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range3:1559~1610MHz	-57.22	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range1:30~1000MHz	-31.19	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range2:1000~10000MHz	-31.41	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range3:1559~1610MHz	-51.6	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-30.68	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range2:1000~10000MHz	-31.14	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range3:1559~1610MHz	-56.91	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range1:30~1000MHz	-30.16	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range2:1000~10000MHz	-31.12	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range3:1559~1610MHz	-57.26	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-31.11	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range2:1000~10000MHz	-31.53	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range3:1559~1610MHz	-52.13	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-31.24	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range2:1000~10000MHz	-31.68	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range3:1559~1610MHz	-51.54	PASS

Test Graphs

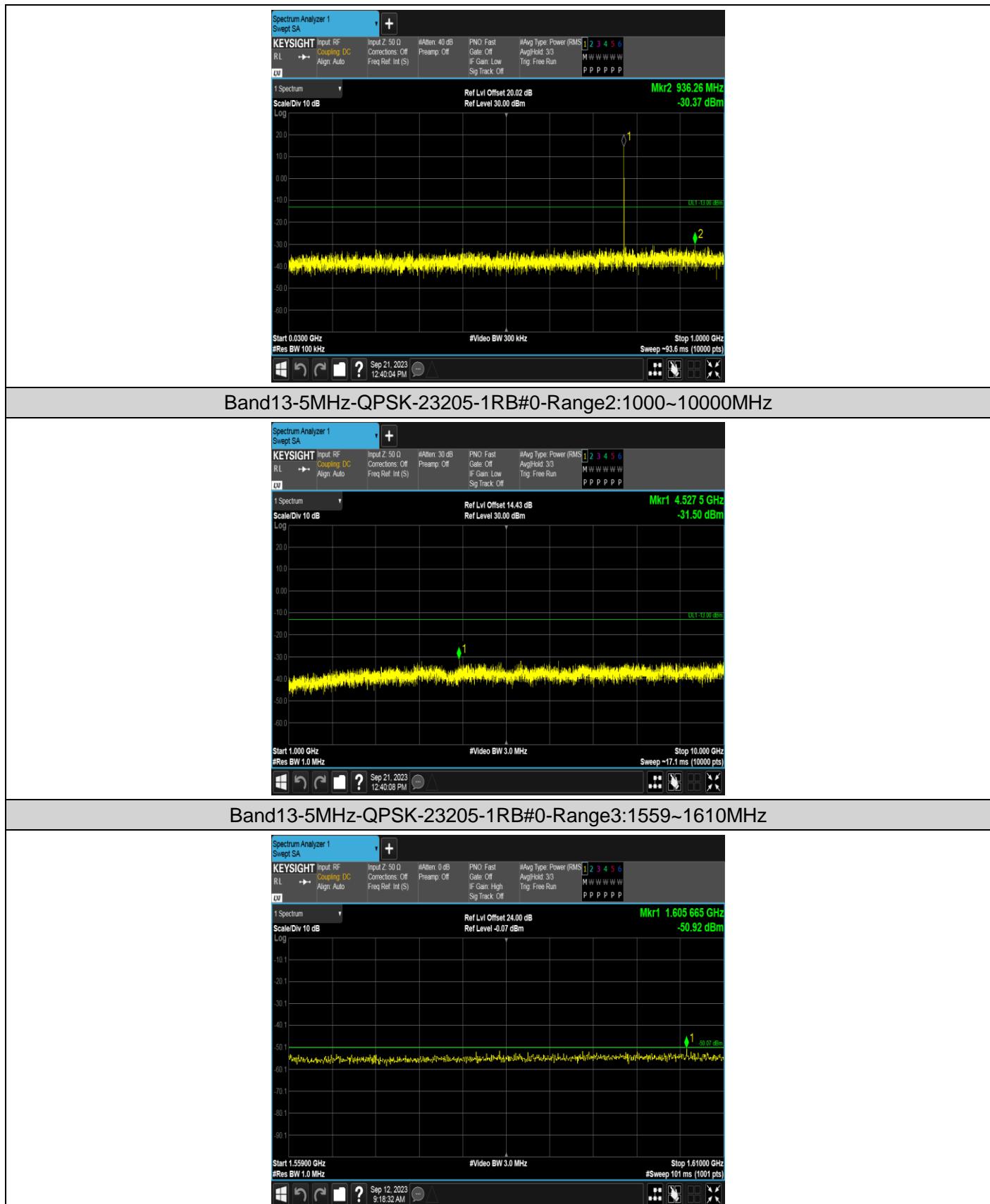
Band13-5MHz-QPSK-23205-1RB#0-Range1:30~1000MHz

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Band13-5MHz-QPSK-23230-1RB#0-Range2:1000~10000MHz



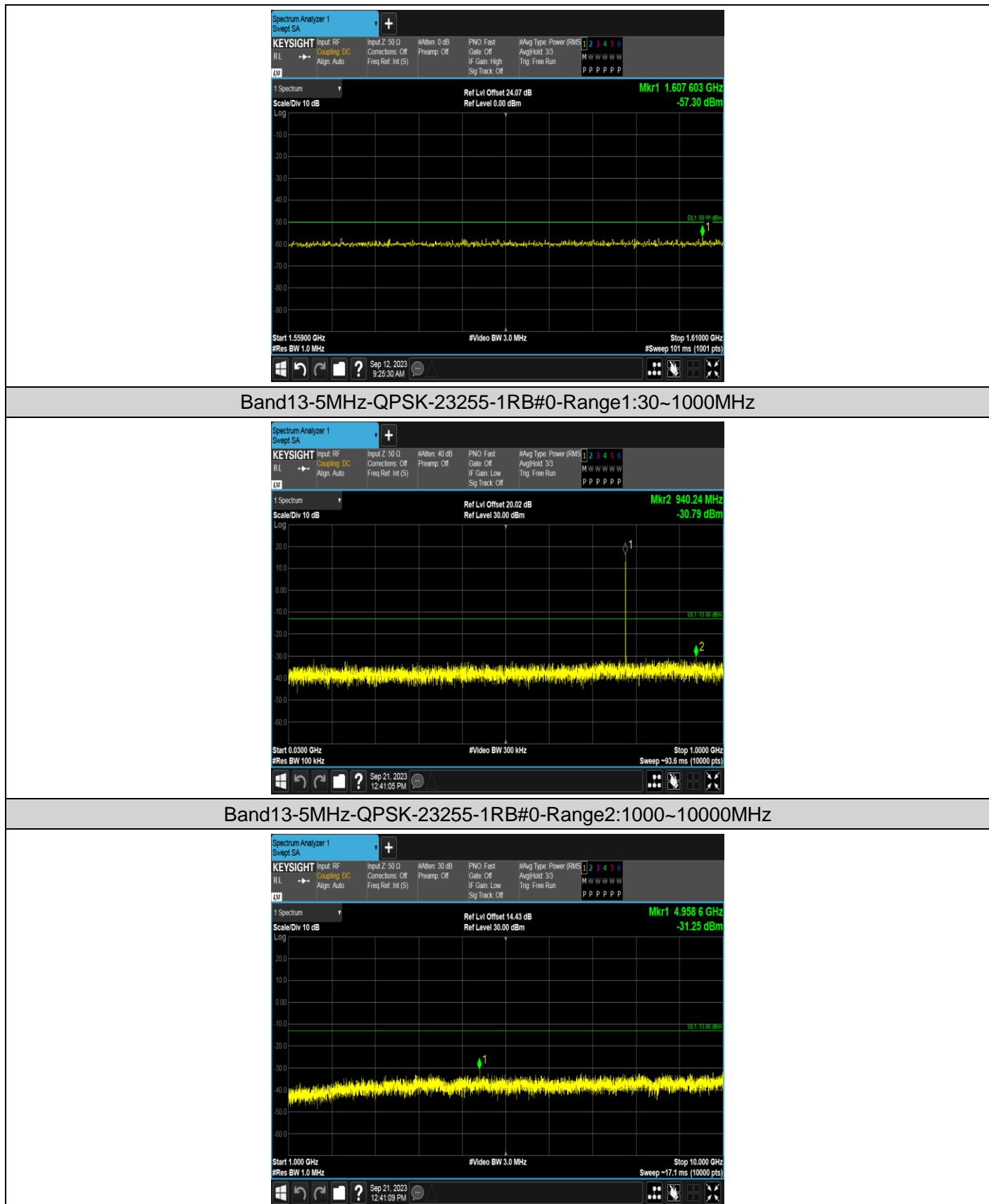
Band13-5MHz-QPSK-23230-1RB#0-Range3:1559~1610MHz

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Band13-5MHz-16QAM-23205-1RB#0-Range1:30~1000MHz



Band13-5MHz-16QAM-23205-1RB#0-Range2:1000~10000MHz

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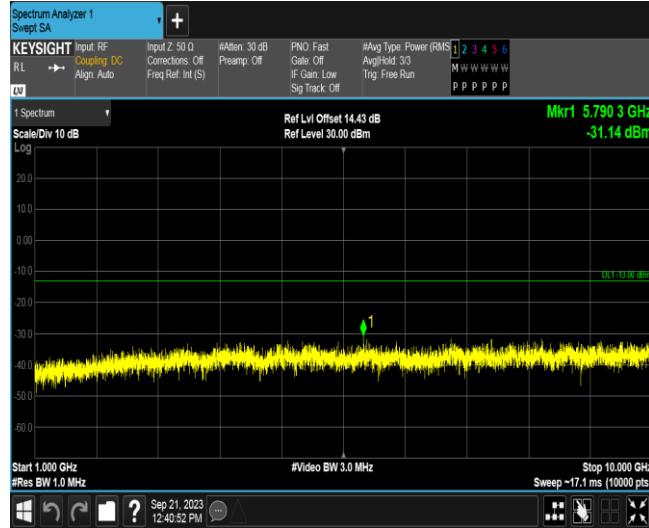
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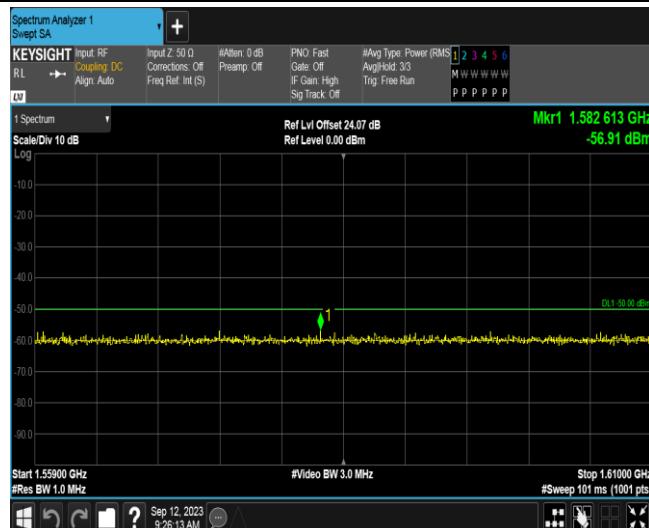
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Band13-5MHz-16QAM-23230-1RB#0-Range2:1000~10000MHz



Band13-5MHz-16QAM-23230-1RB#0-Range3:1559~1610MHz



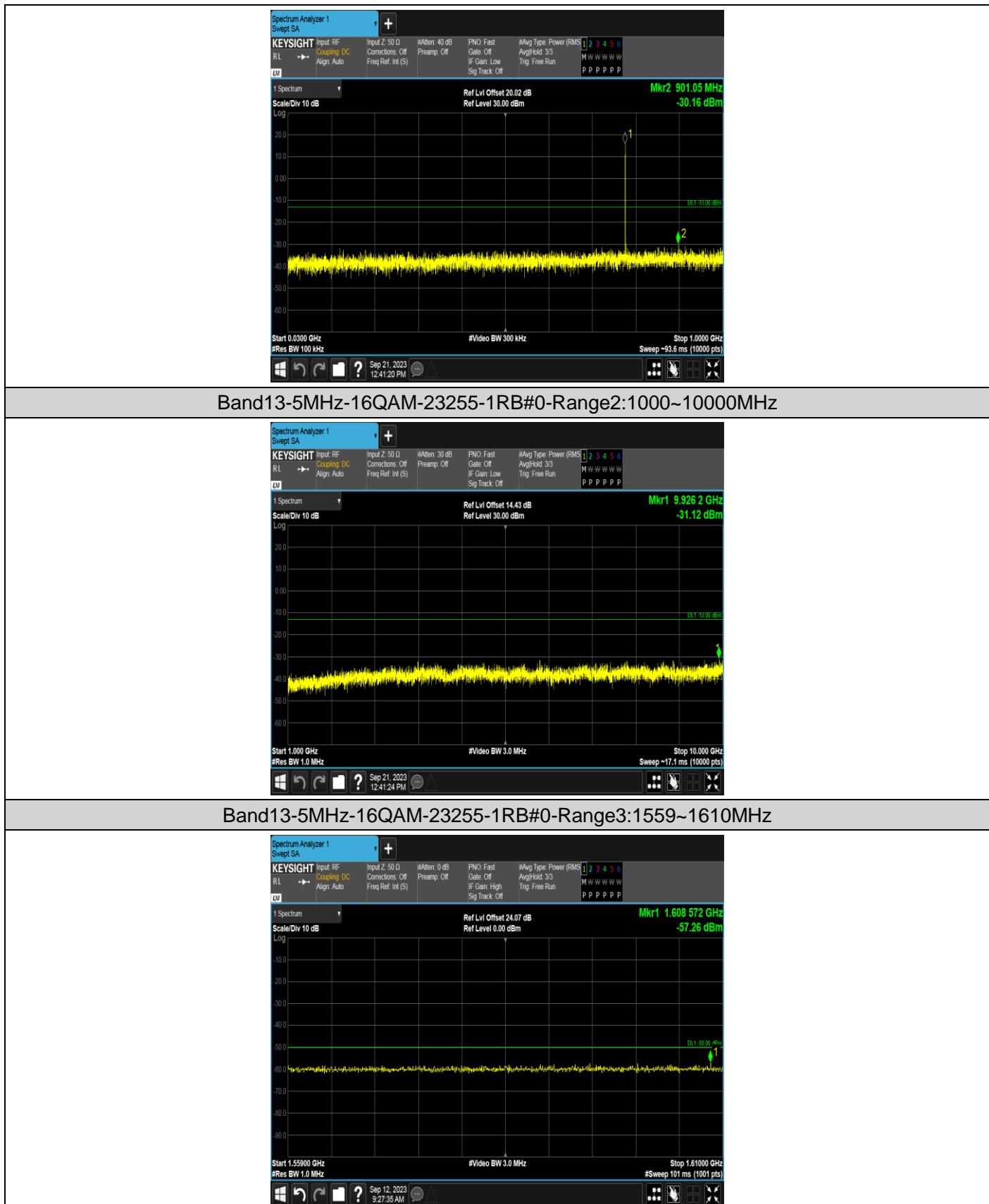
Band13-5MHz-16QAM-23255-1RB#0-Range1:30~1000MHz

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Band13-10MHz-QPSK-23230-1RB#0-Range1:30~1000MHz



Band13-10MHz-QPSK-23230-1RB#0-Range2:1000~10000MHz



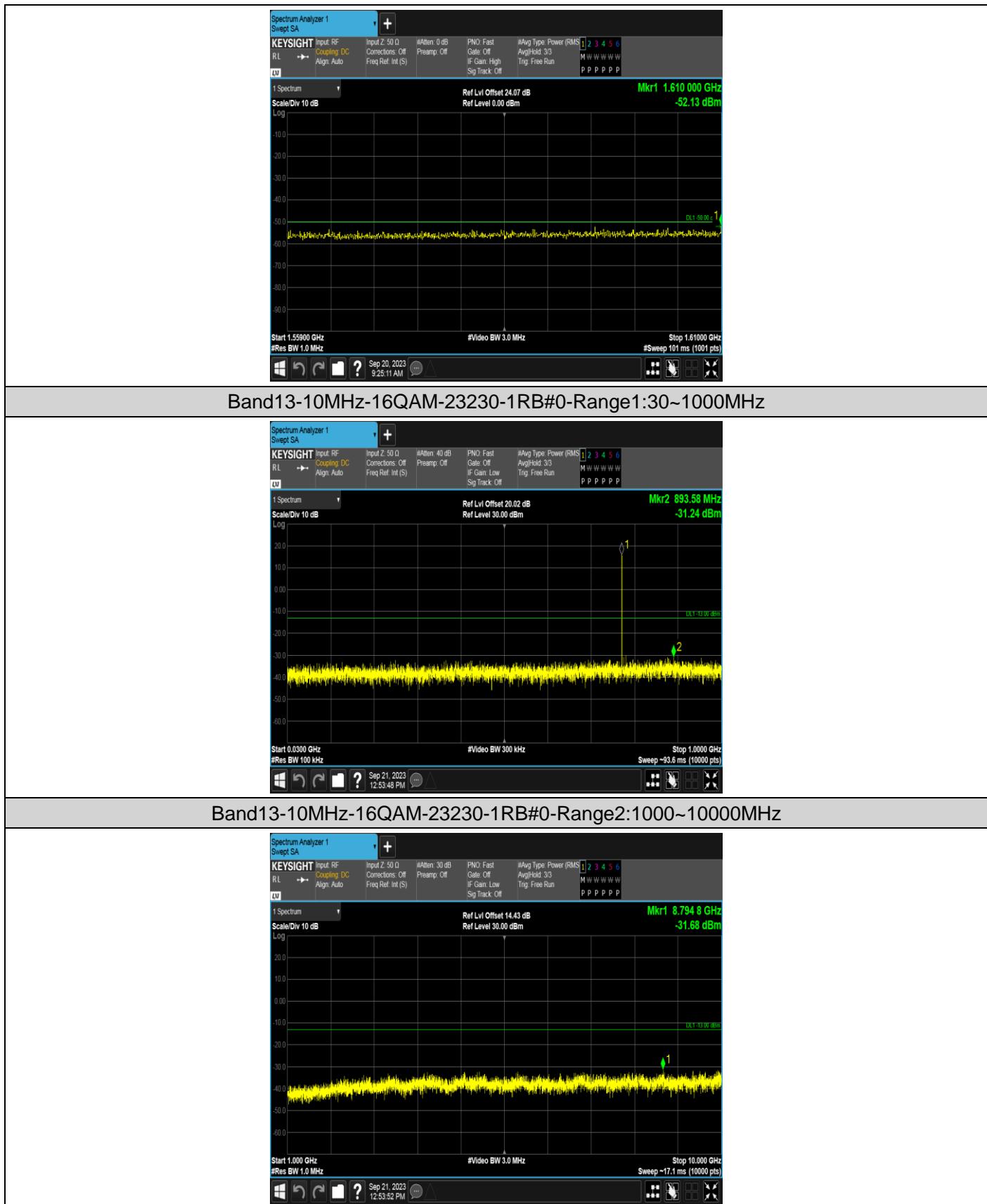
Band13-10MHz-QPSK-23230-1RB#0-Range3:1559~1610MHz

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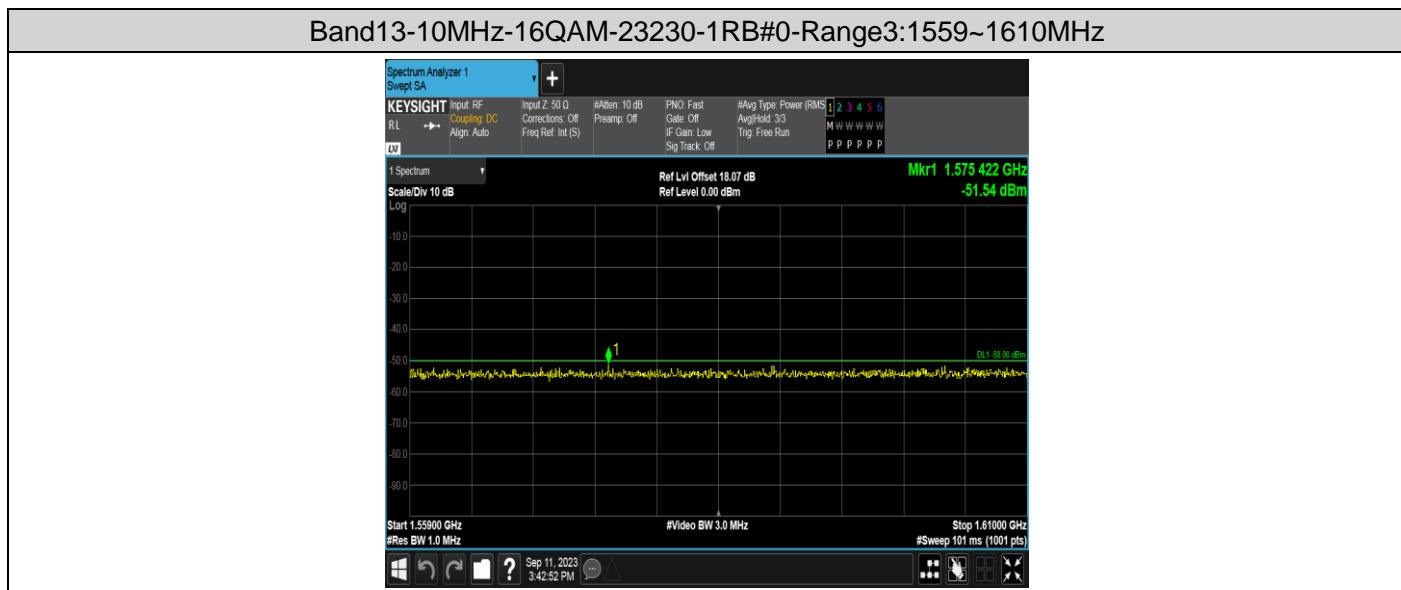


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Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	-4.32	-0.005542	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	-4.71	-0.006042	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	-3.45	-0.004426	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	-1.57	-0.002008	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	3.15	0.004028	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	2.26	0.002890	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	1.09	0.001389	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	-2.55	-0.003250	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	-2.45	-0.003123	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VL	NT	-2.99	-0.003836	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VN	NT	-3.40	-0.004362	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VH	NT	-3.98	-0.005106	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VL	NT	-2.45	-0.003133	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VN	NT	1.65	0.002110	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VH	NT	2.63	0.003363	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VL	NT	2.05	0.002613	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VN	NT	2.02	0.002575	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VH	NT	2.76	0.003518	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	2.02	0.002583	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	2.29	0.002928	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-2.13	-0.002724	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VL	NT	2.05	0.002621	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VN	NT	2.36	0.003018	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VH	NT	3.20	0.004092	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	NV	-30	-4.56	-0.005850	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	-6.04	-0.007749	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	-4.13	-0.005298	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	-2.88	-0.003695	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	-3.40	-0.004362	±2.5	PASS

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Band13	5MHz	QPSK	23230	25RB#0	NV	-30	4.33	0.005537	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	2.49	0.003184	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	2.20	0.002813	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	1.59	0.002033	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	-1.47	-0.001880	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	1.52	0.001938	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	-1.33	-0.001695	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	-3.05	-0.003888	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	2.93	0.003735	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	1.59	0.002027	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	-3.98	-0.005106	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	-3.46	-0.004439	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	-3.36	-0.004310	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	-2.56	-0.003284	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	-2.80	-0.003592	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	-2.05	-0.002621	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	1.54	0.001969	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	1.77	0.002263	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	-1.72	-0.002199	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	1.99	0.002545	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-30	-2.12	-0.002702	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	1.97	0.002511	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	2.68	0.003416	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	2.17	0.002766	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	3.10	0.003952	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	-1.72	-0.002199	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	-2.37	-0.003031	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-1.24	-0.001586	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	1.59	0.002033	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	1.65	0.002110	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-30	2.09	0.002673	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-20	2.17	0.002775	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	-1.14	-0.001458	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	-1.52	-0.001944	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	1.46	0.001867	±2.5	PASS

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