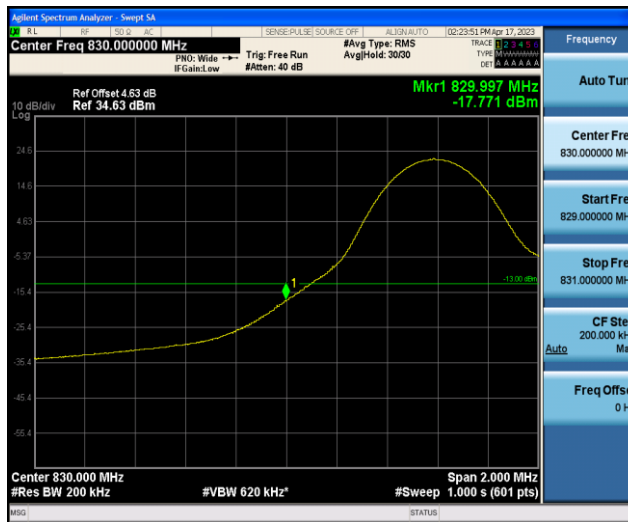


Band19-10MHz-QPSK-24050-1RB#0



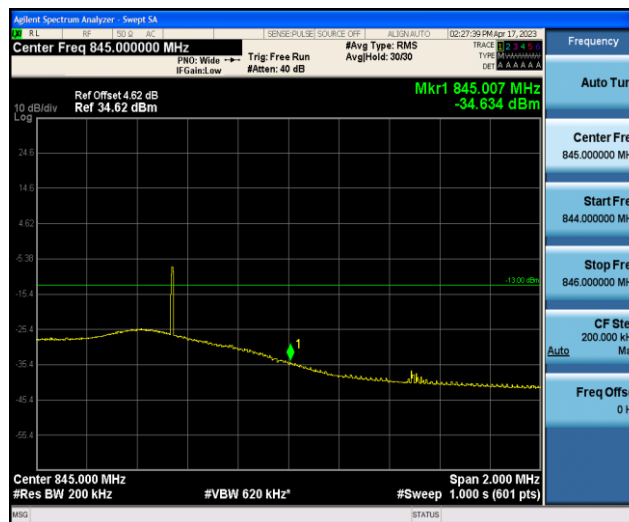
Band19-10MHz-QPSK-24050-1RB#49



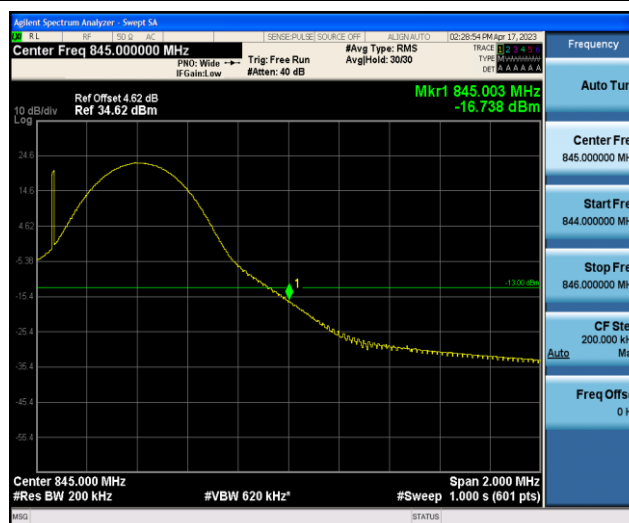
Band19-10MHz-QPSK-24050-50RB#0



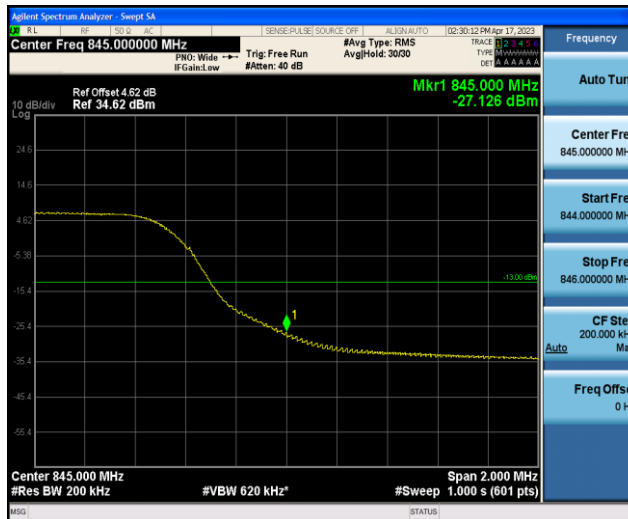
Band19-10MHz-QPSK-24100-1RB#0



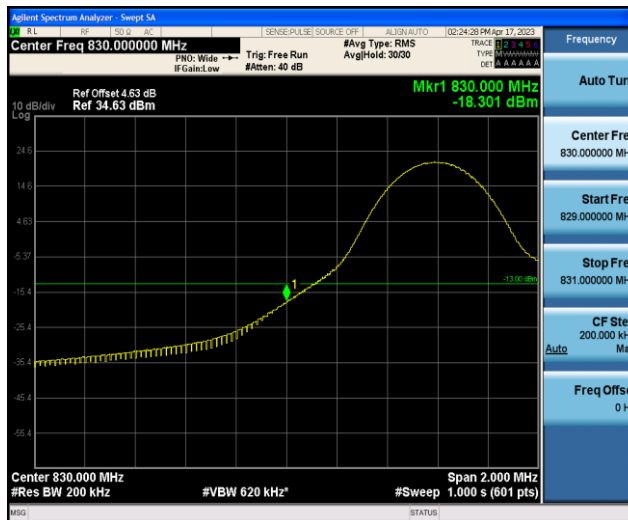
Band19-10MHz-QPSK-24100-1RB#49



Band19-10MHz-QPSK-24100-50RB#0



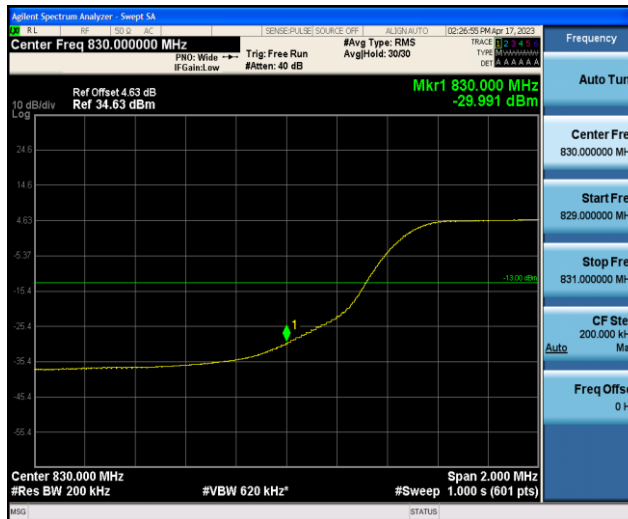
Band19-10MHz-16QAM-24050-1RB#0



Band19-10MHz-16QAM-24050-1RB#49



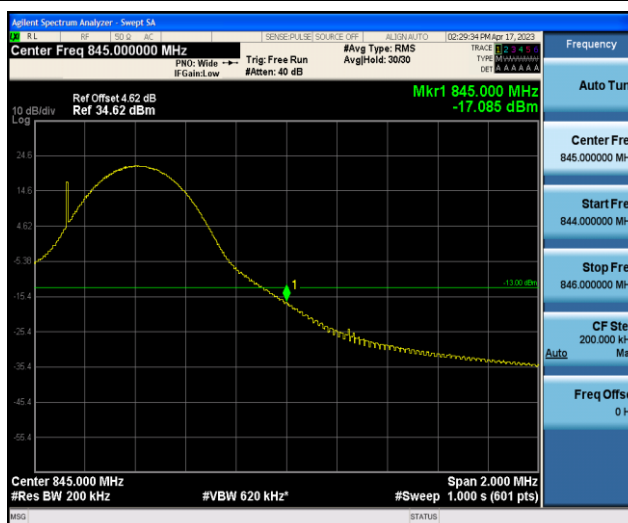
Band19-10MHz-16QAM-24050-50RB#0



Band19-10MHz-16QAM-24100-1RB#0



Band19-10MHz-16QAM-24100-1RB#49



Band19-10MHz-16QAM-24100-50RB#0



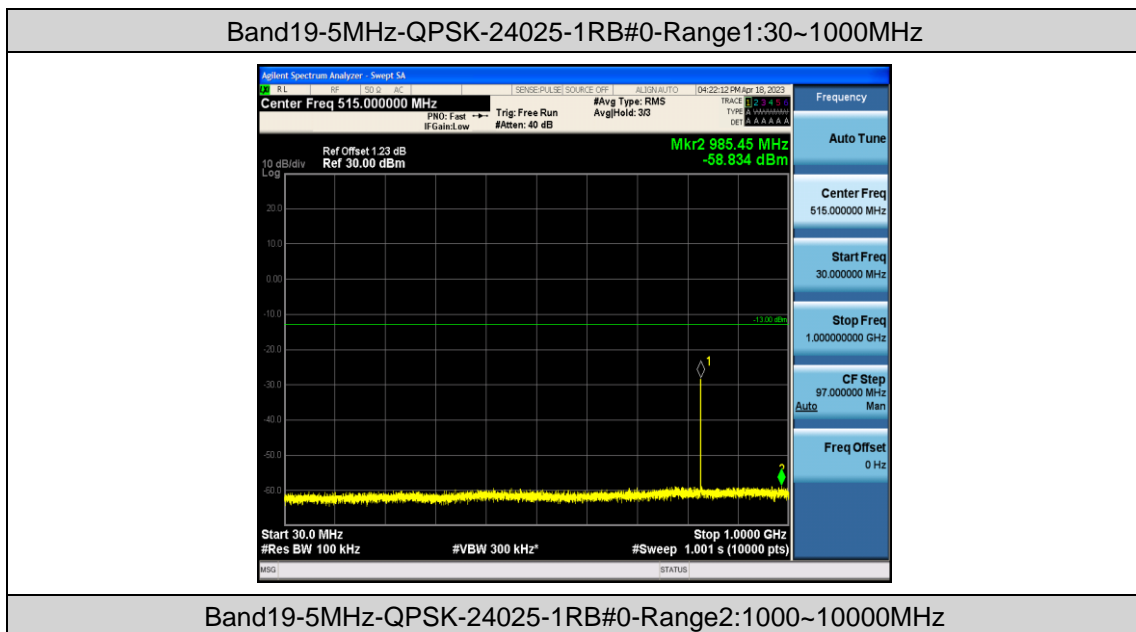
Appendix E: Conducted Spurious Emission

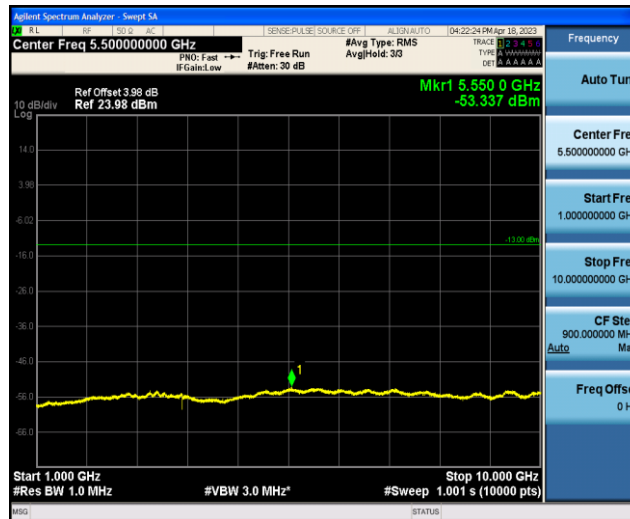
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band19	5MHz	QPSK	24025	1RB#0	Range1:30~1000MHz	-58.83	PASS
Band19	5MHz	QPSK	24025	1RB#0	Range2:1000~10000MHz	-53.34	PASS
Band19	5MHz	QPSK	24075	1RB#0	Range1:30~1000MHz	-58.8	PASS
Band19	5MHz	QPSK	24075	1RB#0	Range2:1000~10000MHz	-49.97	PASS
Band19	5MHz	QPSK	24125	1RB#0	Range1:30~1000MHz	-59	PASS
Band19	5MHz	QPSK	24125	1RB#0	Range2:1000~10000MHz	-49.51	PASS
Band19	5MHz	16QAM	24025	1RB#0	Range1:30~1000MHz	-58.43	PASS
Band19	5MHz	16QAM	24025	1RB#0	Range2:1000~10000MHz	-50.87	PASS
Band19	5MHz	16QAM	24075	1RB#0	Range1:30~1000MHz	-58.93	PASS
Band19	5MHz	16QAM	24075	1RB#0	Range2:1000~10000MHz	-50.91	PASS
Band19	5MHz	16QAM	24125	1RB#0	Range1:30~1000MHz	-58.93	PASS
Band19	5MHz	16QAM	24125	1RB#0	Range2:1000~10000MHz	-50.94	PASS
Band19	10MHz	QPSK	24050	1RB#0	Range1:30~1000MHz	-58.94	PASS
Band19	10MHz	QPSK	24050	1RB#0	Range2:1000~10000MHz	-51.05	PASS
Band19	10MHz	QPSK	24075	1RB#0	Range1:30~1000MHz	-58.91	PASS
Band19	10MHz	QPSK	24075	1RB#0	Range2:1000~10000MHz	-50.52	PASS
Band19	10MHz	QPSK	24100	1RB#0	Range1:30~1000MHz	-59.06	PASS
Band19	10MHz	QPSK	24100	1RB#0	Range2:1000~10000MHz	-49.5	PASS

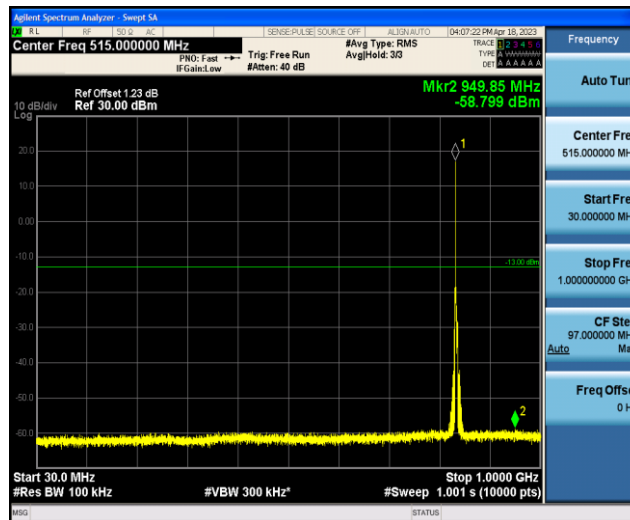
9					Hz	3	S
Band1 9	10MHz	16QAM	24050	1RB#0	Range1:30~1000MHz	-58.7 2	PAS S
Band1 9	10MHz	16QAM	24050	1RB#0	Range2:1000~10000M Hz	-51.6 6	PAS S
Band1 9	10MHz	16QAM	24075	1RB#0	Range1:30~1000MHz	-58.5 9	PAS S
Band1 9	10MHz	16QAM	24075	1RB#0	Range2:1000~10000M Hz	-50.9 7	PAS S
Band1 9	10MHz	16QAM	24100	1RB#0	Range1:30~1000MHz	-58.8 3	PAS S
Band1 9	10MHz	16QAM	24100	1RB#0	Range2:1000~10000M Hz	-50.9 9	PAS S
Band1 9	15MHz	QPSK	24075	1RB#0	Range1:30~1000MHz	-58.6 4	PAS S
Band1 9	15MHz	QPSK	24075	1RB#0	Range2:1000~10000M Hz	-53.4 2	PAS S
Band1 9	15MHz	16QAM	24075	1RB#0	Range1:30~1000MHz	-58.7 6	PAS S
Band1 9	15MHz	16QAM	24075	1RB#0	Range2:1000~10000M Hz	-51.1	PAS S

Test Graphs

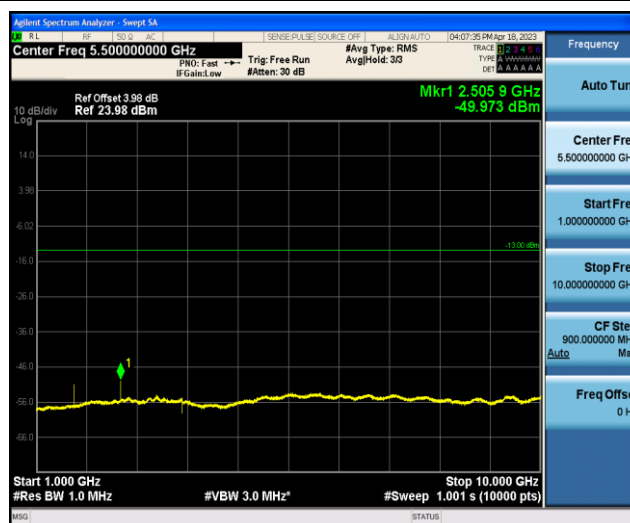




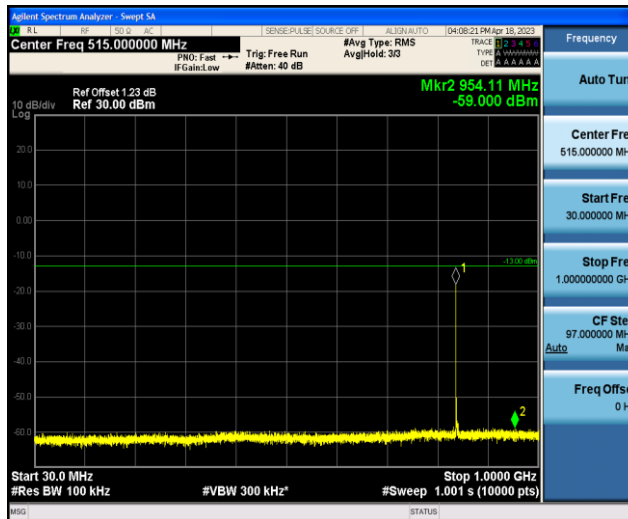
Band19-5MHz-QPSK-24075-1RB#0-Range1:30~1000MHz



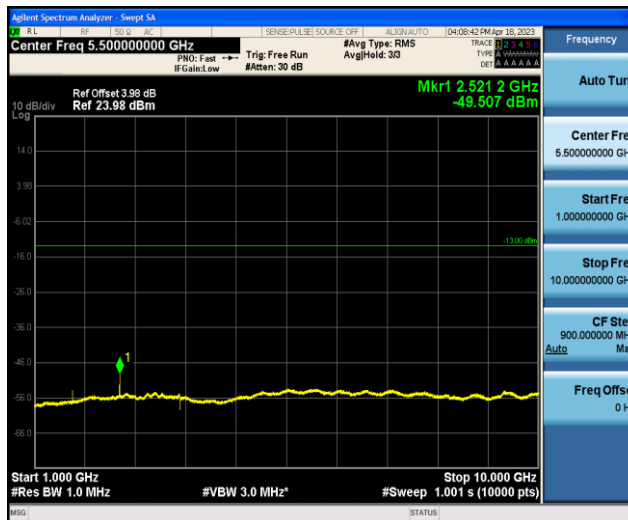
Band19-5MHz-QPSK-24075-1RB#0-Range2:1000~10000MHz



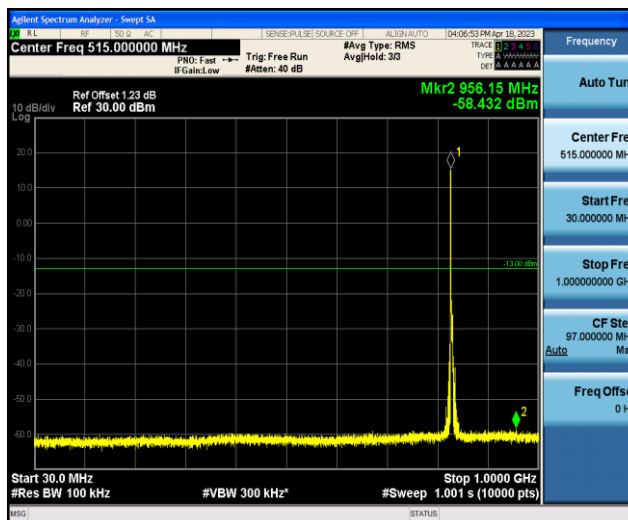
Band19-5MHz-QPSK-24125-1RB#0-Range1:30~1000MHz



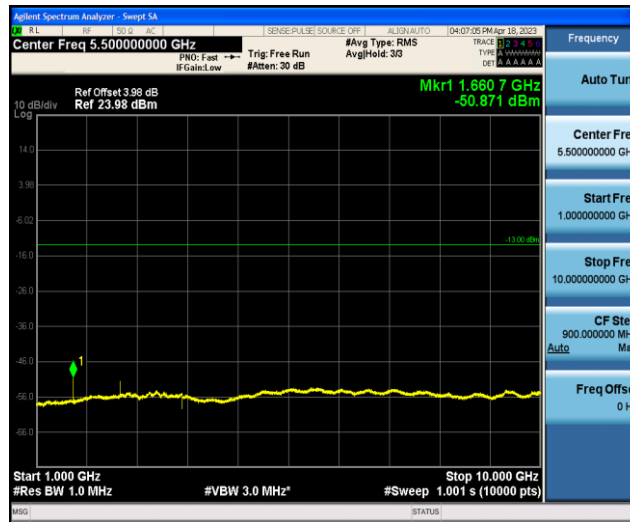
Band19-5MHz-QPSK-24125-1RB#0-Range2:1000~10000MHz



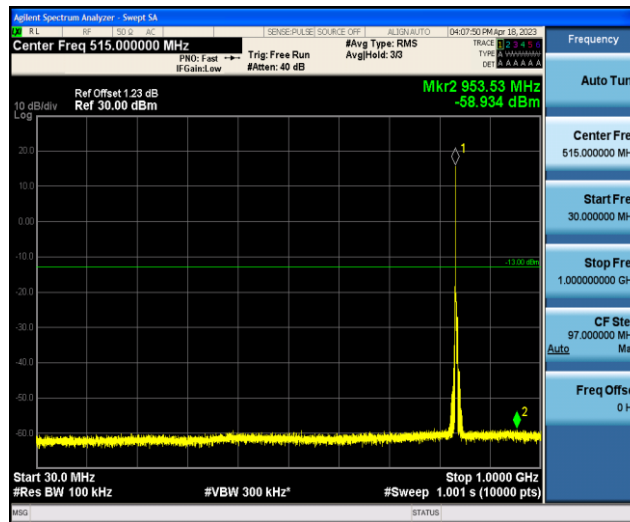
Band19-5MHz-16QAM-24025-1RB#0-Range1:30~1000MHz



Band19-5MHz-16QAM-24025-1RB#0-Range2:1000~10000MHz



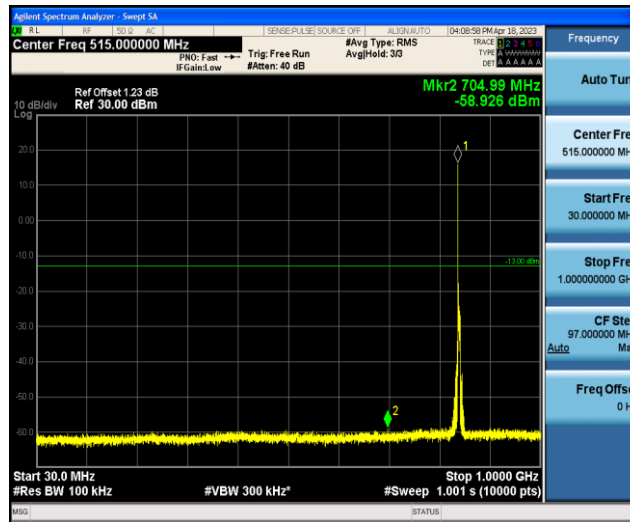
Band19-5MHz-16QAM-24075-1RB#0-Range1:30~1000MHz



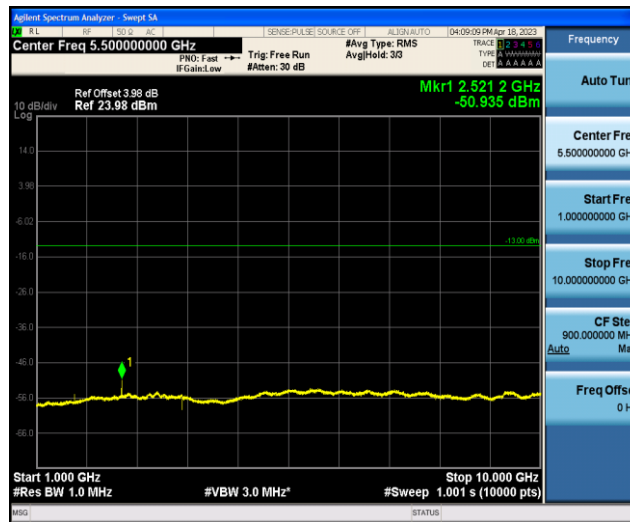
Band19-5MHz-16QAM-24075-1RB#0-Range2:1000~10000MHz



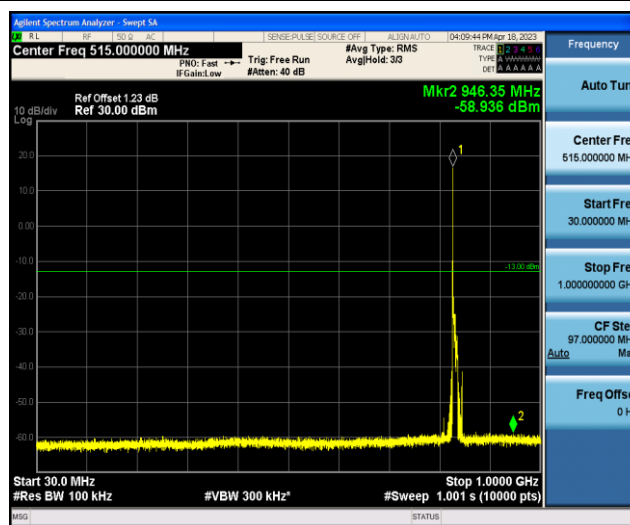
Band19-5MHz-16QAM-24125-1RB#0-Range1:30~1000MHz



Band19-5MHz-16QAM-24125-1RB#0-Range2:1000~10000MHz



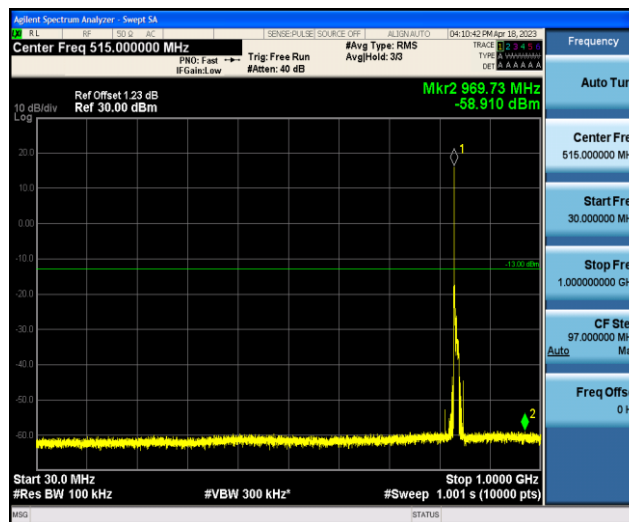
Band19-10MHz-QPSK-24050-1RB#0-Range1:30~1000MHz



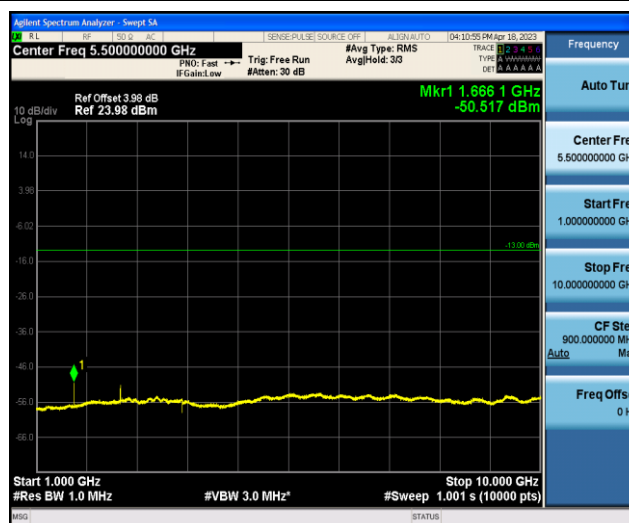
Band19-10MHz-QPSK-24050-1RB#0-Range2:1000~10000MHz



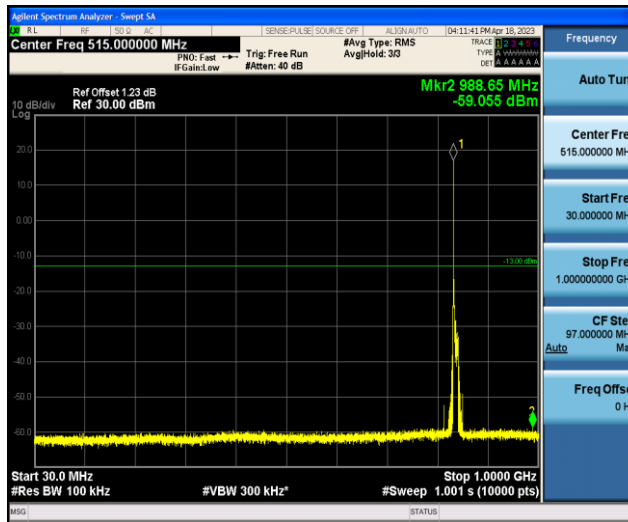
Band19-10MHz-QPSK-24075-1RB#0-Range1:30~1000MHz



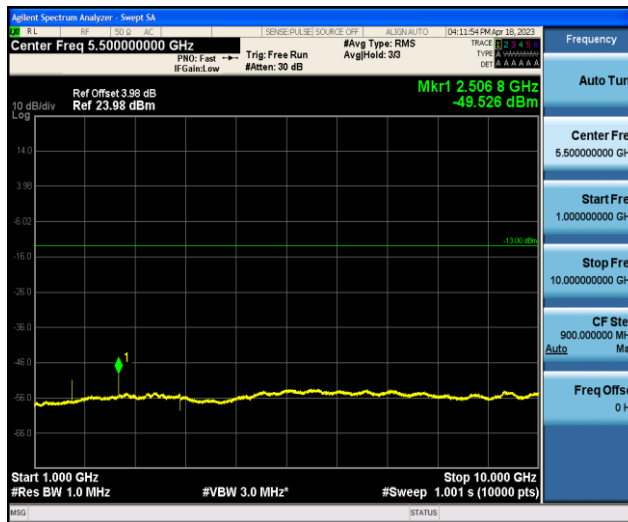
Band19-10MHz-QPSK-24075-1RB#0-Range2:1000~10000MHz



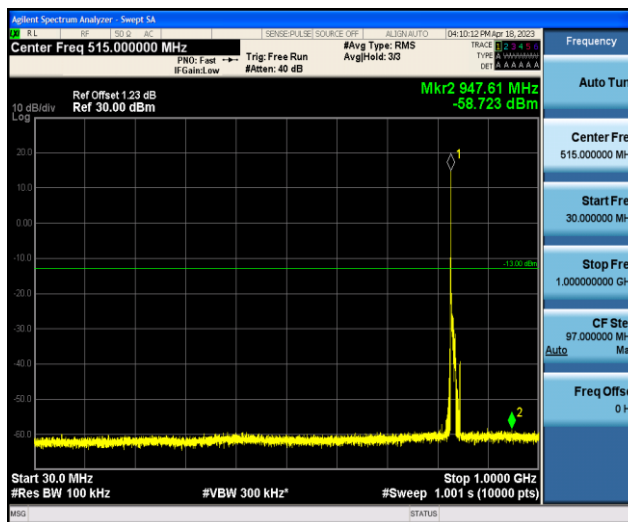
Band19-10MHz-QPSK-24100-1RB#0-Range1:30~1000MHz



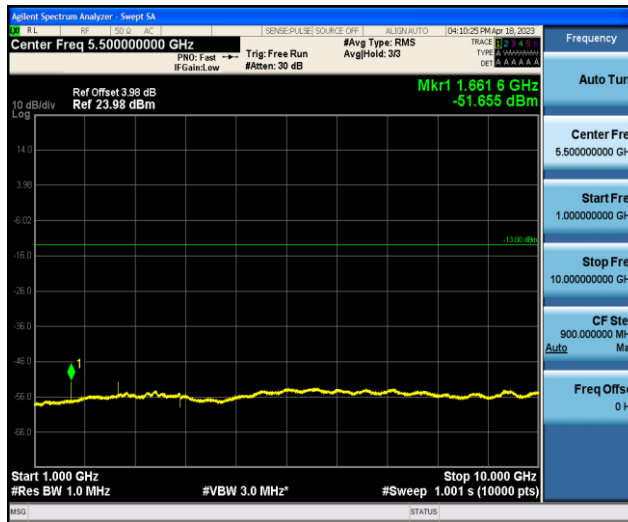
Band19-10MHz-QPSK-24100-1RB#0-Range2:1000~10000MHz



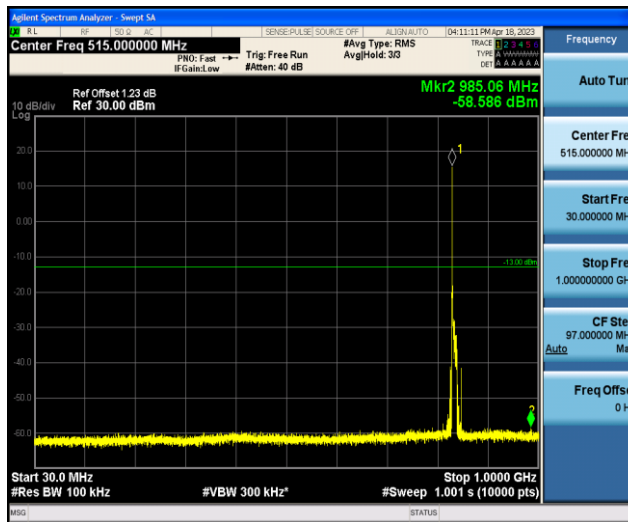
Band19-10MHz-16QAM-24050-1RB#0-Range1:30~1000MHz



Band19-10MHz-16QAM-24050-1RB#0-Range2:1000~10000MHz



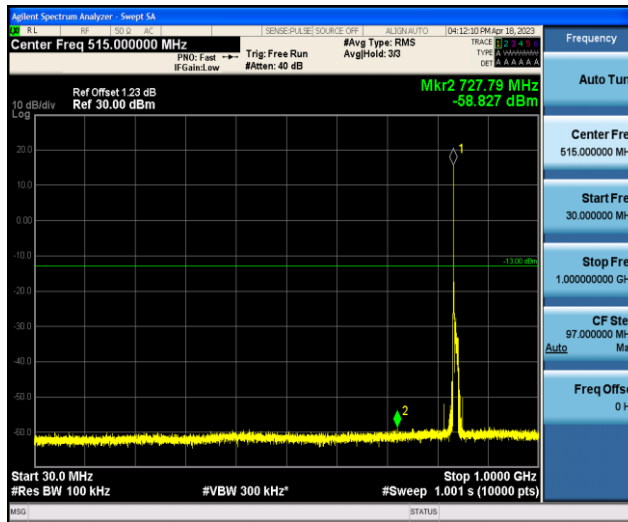
Band19-10MHz-16QAM-24075-1RB#0-Range1:30~1000MHz



Band19-10MHz-16QAM-24075-1RB#0-Range2:1000~10000MHz



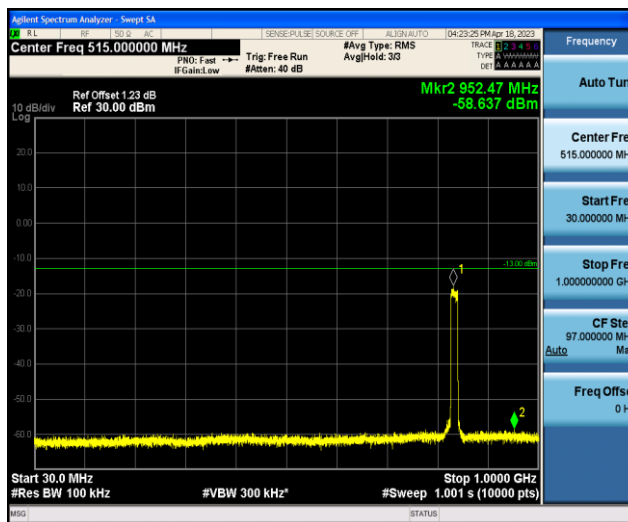
Band19-10MHz-16QAM-24100-1RB#0-Range1:30~1000MHz



Band19-10MHz-16QAM-24100-1RB#0-Range2: 1000~10000MHz



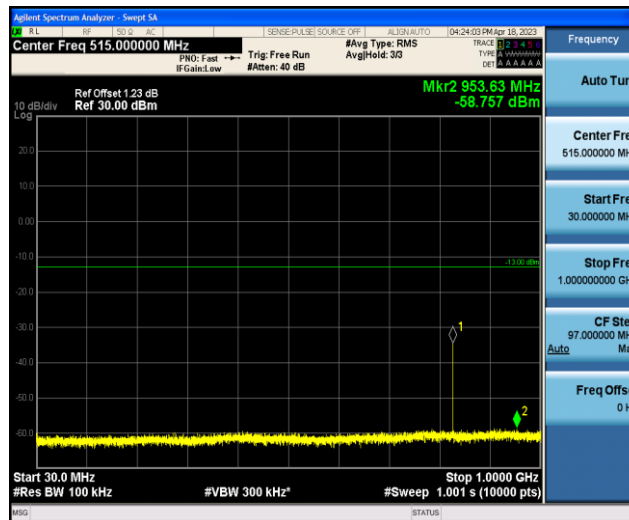
Band19-15MHz-QPSK-24075-1RB#0-Range1:30~1000MHz



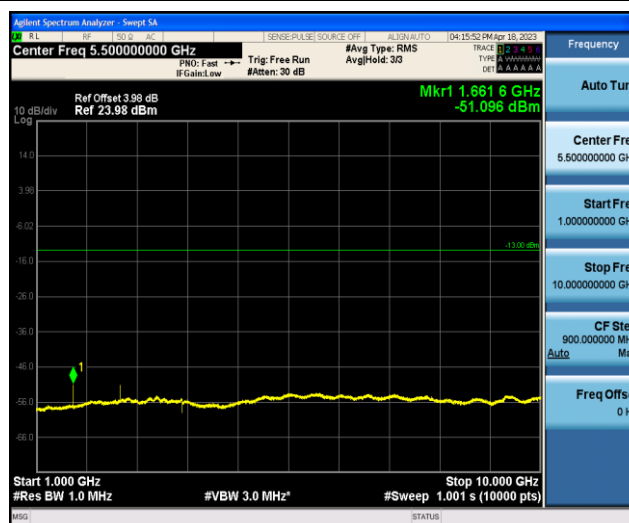
Band19-15MHz-QPSK-24075-1RB#0-Range2: 1000~10000MHz



Band19-15MHz-16QAM-24075-1RB#0-Range1:30~1000MHz



Band19-15MHz-16QAM-24075-1RB#0-Range2:1000~10000MHz



Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band19	5MHz	QPSK	24025	25RB#0	VL	NT	4.06	0.004877	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	VN	NT	7.90	0.009489	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	VH	NT	4.94	0.005934	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	VL	NT	2.20	0.002627	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	VN	NT	7.41	0.008848	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	VH	NT	2.98	0.003558	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	VL	NT	-3.43	-0.004071	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	VN	NT	9.04	0.010730	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	VH	NT	-2.13	-0.002528	±2.5	PASS
Band19	5MHz	16QAM	24025	25RB#0	VL	NT	11.59	0.013922	±2.5	PASS
Band19	5MHz	16QAM	24025	25RB#0	VN	NT	9.98	0.011988	±2.5	PASS
Band19	5MHz	16QAM	24025	25RB#0	VH	NT	12.03	0.014450	±2.5	PASS
Band19	5MHz	16QAM	24075	25RB#0	VL	NT	7.31	0.008728	±2.5	PASS
Band19	5MHz	16QAM	24075	25RB#0	VN	NT	5.74	0.006854	±2.5	PASS
Band19	5MHz	16QAM	24075	25RB#0	VH	NT	6.69	0.007988	±2.5	PASS
Band19	5MHz	16QAM	24125	25RB#0	VL	NT	2.40	0.002849	±2.5	PASS
Band19	5MHz	16QAM	24125	25RB#0	VN	NT	-1.16	-0.001377	±2.5	PASS
Band19	5MHz	16QAM	24125	25RB#0	VH	NT	3.00	0.003561	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	VL	NT	-4.61	-0.005521	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	VN	NT	3.20	0.003832	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	VH	NT	-4.59	-0.005497	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	VL	NT	-1.82	-0.002173	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	VN	NT	9.17	0.010949	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	VH	NT	-1.89	-0.002257	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	VL	NT	-7.80	-0.009286	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	VN	NT	2.17	0.002583	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	VH	NT	-6.48	-0.007714	±2.5	PASS
Band19	10MHz	16QAM	24050	50RB#0	VL	NT	-5.72	-0.006850	±2.5	PASS
Band19	10MHz	16QAM	24050	50RB#0	VN	NT	-5.36	-0.006419	±2.5	PASS
Band19	10MHz	16QAM	24050	50RB#0	VH	NT	-5.32	-0.006371	±2.5	PASS
Band19	10MHz	16QAM	24075	50RB#0	VL	NT	0.82	0.000979	±2.5	PASS
Band19	10MHz	16QAM	24075	50RB#0	VN	NT	-1.79	-0.002137	±2.5	PASS
Band19	10MHz	16QAM	24075	50RB#0	VH	NT	1.50	0.001791	±2.5	PASS
Band19	10MHz	16QAM	24100	50RB#0	VL	NT	-3.98	-0.004738	±2.5	PASS

Band19	10MHz	16QAM	24100	50RB#0	VN	NT	-5.82	-0.006929	±2.5	PASS
Band19	10MHz	16QAM	24100	50RB#0	VH	NT	-4.85	-0.005774	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	VL	NT	-15.22	-0.018173	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	VN	NT	-13.55	-0.016179	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	VH	NT	-14.88	-0.017767	±2.5	PASS
Band19	15MHz	16QAM	24075	75RB#0	VL	NT	-13.09	-0.015630	±2.5	PASS
Band19	15MHz	16QAM	24075	75RB#0	VN	NT	-15.86	-0.018937	±2.5	PASS
Band19	15MHz	16QAM	24075	75RB#0	VH	NT	-12.92	-0.015427	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band19	5MHz	QPSK	24025	25RB#0	NV	-30	7.30	0.008769	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	NV	-20	6.82	0.008192	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	NV	0	9.04	0.010859	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	NV	10	8.83	0.010607	±2.5	PASS
Band19	5MHz	QPSK	24025	25RB#0	NV	20	8.78	0.010547	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	-30	4.05	0.004836	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	-20	3.85	0.004597	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	0	4.22	0.005039	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	10	4.41	0.005266	±2.5	PASS
Band19	5MHz	QPSK	24075	25RB#0	NV	20	5.14	0.006137	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	-30	-1.86	-0.002208	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	-20	-1.13	-0.001341	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	0	1.37	0.001626	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	10	-1.96	-0.002326	±2.5	PASS
Band19	5MHz	QPSK	24125	25RB#0	NV	20	-1.67	-0.001982	±2.5	PASS
Band19	5MHz	16QAM	24025	25RB#0	NV	-30	11.44	0.013742	±2.5	PASS
Band19	5MHz	16QAM	24025	25RB#0	NV	-20	13.29	0.015964	±2.5	PASS
Band19	5MHz	16QAM	24025	25RB#0	NV	0	11.50	0.013814	±2.5	PASS
Band19	5MHz	16QAM	24025	25RB#0	NV	10	11.34	0.013622	±2.5	PASS
Band19	5MHz	16QAM	24025	25RB#0	NV	20	12.77	0.015339	±2.5	PASS
Band19	5MHz	16QAM	24075	25RB#0	NV	-30	7.35	0.008776	±2.5	PASS
Band19	5MHz	16QAM	24075	25RB#0	NV	-20	5.62	0.006710	±2.5	PASS
Band19	5MHz	16QAM	24075	25RB#0	NV	0	6.72	0.008024	±2.5	PASS
Band19	5MHz	16QAM	24075	25RB#0	NV	10	4.99	0.005958	±2.5	PASS
Band19	5MHz	16QAM	24075	25RB#0	NV	20	6.19	0.007391	±2.5	PASS
Band19	5MHz	16QAM	24125	25RB#0	NV	-30	2.27	0.002694	±2.5	PASS
Band19	5MHz	16QAM	24125	25RB#0	NV	-20	2.30	0.002730	±2.5	PASS
Band19	5MHz	16QAM	24125	25RB#0	NV	0	1.56	0.001852	±2.5	PASS
Band19	5MHz	16QAM	24125	25RB#0	NV	10	2.72	0.003228	±2.5	PASS

Band19	5MHz	16QAM	24125	25RB#0	NV	20	3.16	0.003751	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	-30	-4.18	-0.005006	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	-20	-5.29	-0.006335	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	0	-4.96	-0.005940	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	10	-5.12	-0.006132	±2.5	PASS
Band19	10MHz	QPSK	24050	50RB#0	NV	20	-4.91	-0.005880	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	-30	-2.33	-0.002782	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	-20	-2.47	-0.002949	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	0	-2.93	-0.003499	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	10	-2.76	-0.003296	±2.5	PASS
Band19	10MHz	QPSK	24075	50RB#0	NV	20	-2.52	-0.003009	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	-30	-6.24	-0.007429	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	-20	-6.44	-0.007667	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	0	-5.15	-0.006131	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	10	-7.42	-0.008833	±2.5	PASS
Band19	10MHz	QPSK	24100	50RB#0	NV	20	-4.92	-0.005857	±2.5	PASS
Band19	10MHz	16QAM	24050	50RB#0	NV	-30	-5.28	-0.006323	±2.5	PASS
Band19	10MHz	16QAM	24050	50RB#0	NV	-20	-5.68	-0.006802	±2.5	PASS
Band19	10MHz	16QAM	24050	50RB#0	NV	0	-5.68	-0.006802	±2.5	PASS
Band19	10MHz	16QAM	24050	50RB#0	NV	10	-7.58	-0.009078	±2.5	PASS
Band19	10MHz	16QAM	24050	50RB#0	NV	20	-6.59	-0.007892	±2.5	PASS
Band19	10MHz	16QAM	24075	50RB#0	NV	-30	-1.17	-0.001397	±2.5	PASS
Band19	10MHz	16QAM	24075	50RB#0	NV	-20	-1.53	-0.001827	±2.5	PASS
Band19	10MHz	16QAM	24075	50RB#0	NV	0	-1.30	-0.001552	±2.5	PASS
Band19	10MHz	16QAM	24075	50RB#0	NV	10	-2.22	-0.002651	±2.5	PASS
Band19	10MHz	16QAM	24075	50RB#0	NV	20	-2.03	-0.002424	±2.5	PASS
Band19	10MHz	16QAM	24100	50RB#0	NV	-30	-5.45	-0.006488	±2.5	PASS
Band19	10MHz	16QAM	24100	50RB#0	NV	-20	-5.49	-0.006536	±2.5	PASS
Band19	10MHz	16QAM	24100	50RB#0	NV	0	-6.90	-0.008214	±2.5	PASS
Band19	10MHz	16QAM	24100	50RB#0	NV	10	-6.05	-0.007202	±2.5	PASS
Band19	10MHz	16QAM	24100	50RB#0	NV	20	-5.79	-0.006893	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	-30	-14.76	-0.017624	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	-20	-14.62	-0.017457	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	0	-15.69	-0.018734	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	10	-13.66	-0.016310	±2.5	PASS
Band19	15MHz	QPSK	24075	75RB#0	NV	20	-14.06	-0.016788	±2.5	PASS
Band19	15MHz	16QAM	24075	75RB#0	NV	-30	-13.55	-0.016179	±2.5	PASS
Band19	15MHz	16QAM	24075	75RB#0	NV	-20	-14.68	-0.017528	±2.5	PASS
Band19	15MHz	16QAM	24075	75RB#0	NV	0	-13.93	-0.016633	±2.5	PASS
Band19	15MHz	16QAM	24075	75RB#0	NV	10	-15.89	-0.018973	±2.5	PASS
Band19	15MHz	16QAM	24075	75RB#0	NV	20	-14.65	-0.017493	±2.5	PASS

