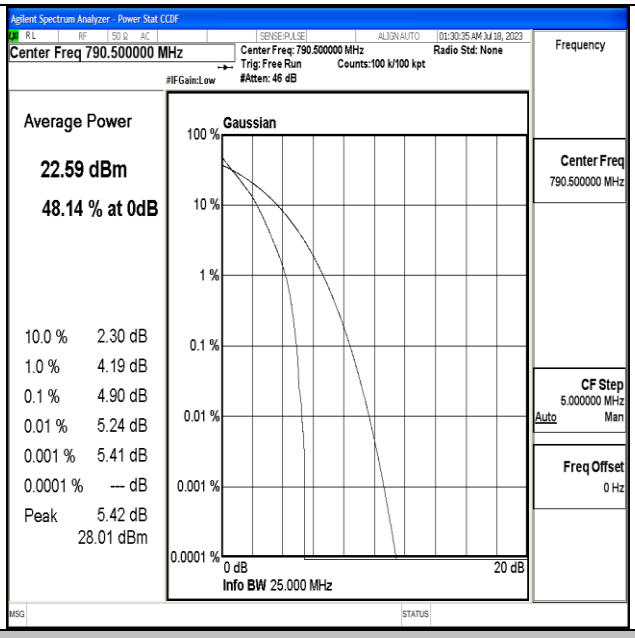
FCC ID:	:	**2BB7S-GTC129A-H01E**
Company:	:	**Guangzhou Daisi Electronics Technology Ltd.**
EUT	:	**Car in-dash multimedia navigator**
Model Number	:	**GTC129A-H01E**
Number of Samples	:	**CTA230703007-1# (Engineer sample)**
Tested By	:	**Amy Wen**
Reviewed By	:	**Eric Wang**

Appendix B: Peak-to-Average Ratio(CCDF)

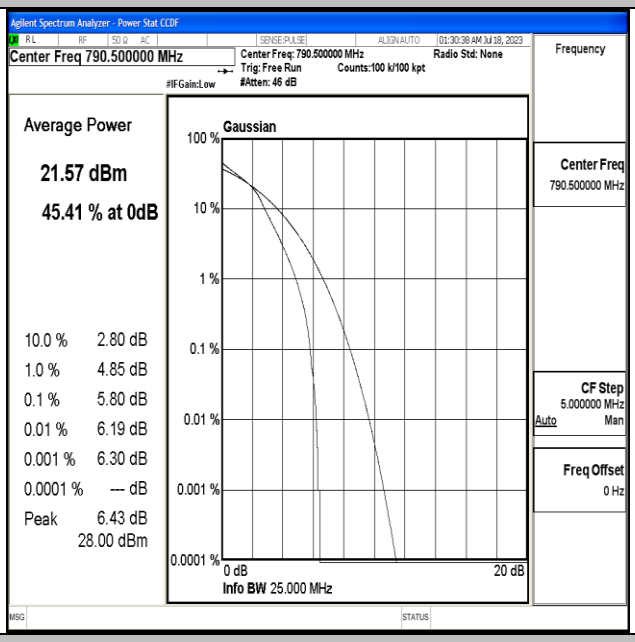
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	4.90	13	PASS
Band14	5MHz	16QAM	23305	25RB#0	5.80	13	PASS
Band14	5MHz	QPSK	23330	25RB#0	4.73	13	PASS
Band14	5MHz	16QAM	23330	25RB#0	5.70	13	PASS
Band14	5MHz	QPSK	23355	25RB#0	4.58	13	PASS
Band14	5MHz	16QAM	23355	25RB#0	5.46	13	PASS
Band14	10MHz	QPSK	23330	50RB#0	4.70	13	PASS
Band14	10MHz	16QAM	23330	50RB#0	5.55	13	PASS

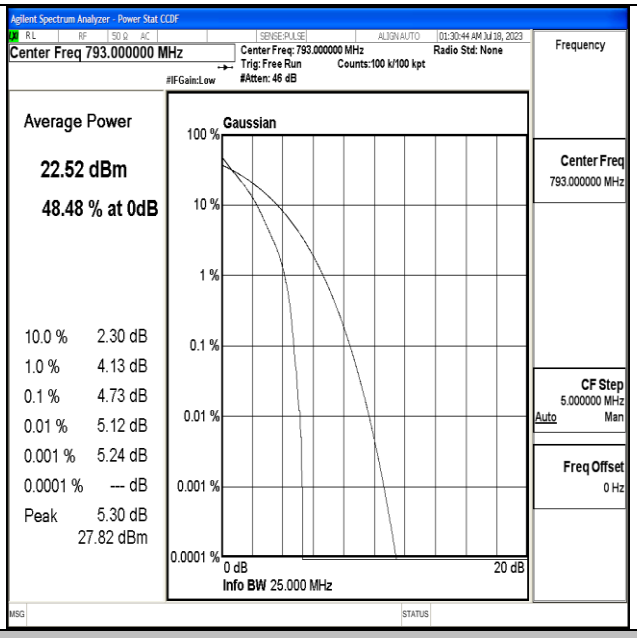
Test Graphs



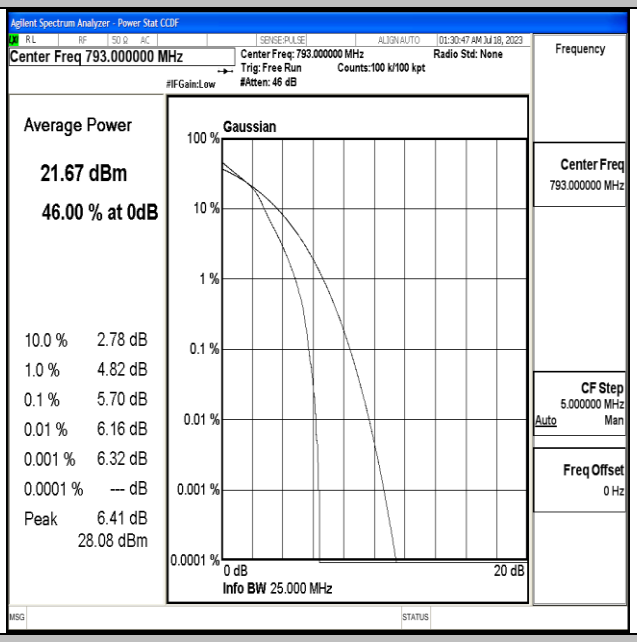
5MHz-23305



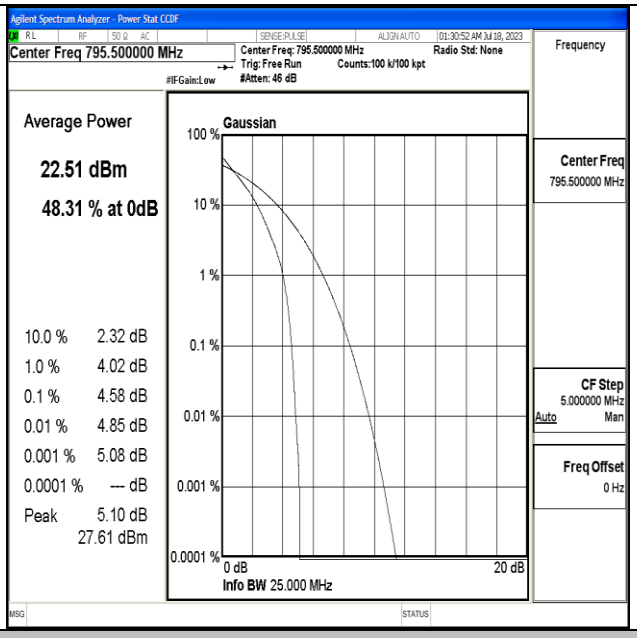
5MHz-23305



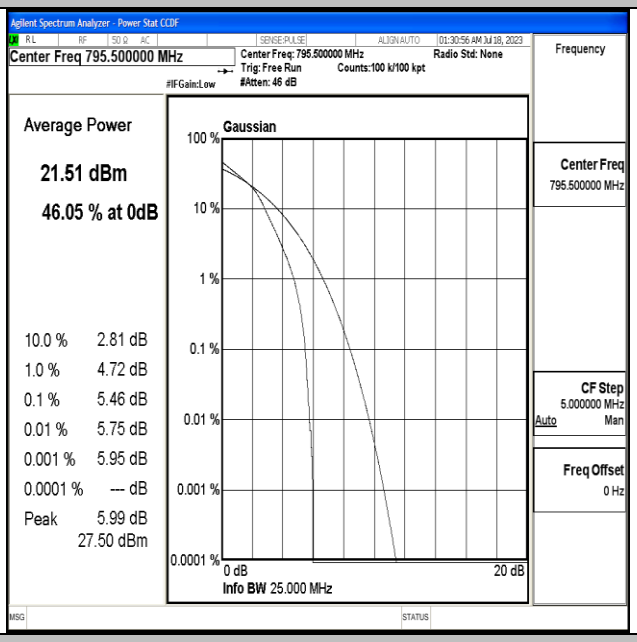
5MHz-23330



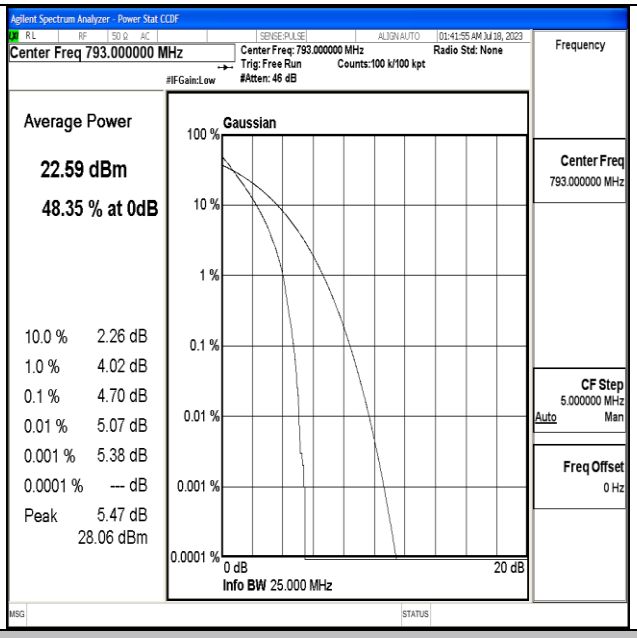
5MHz-23330



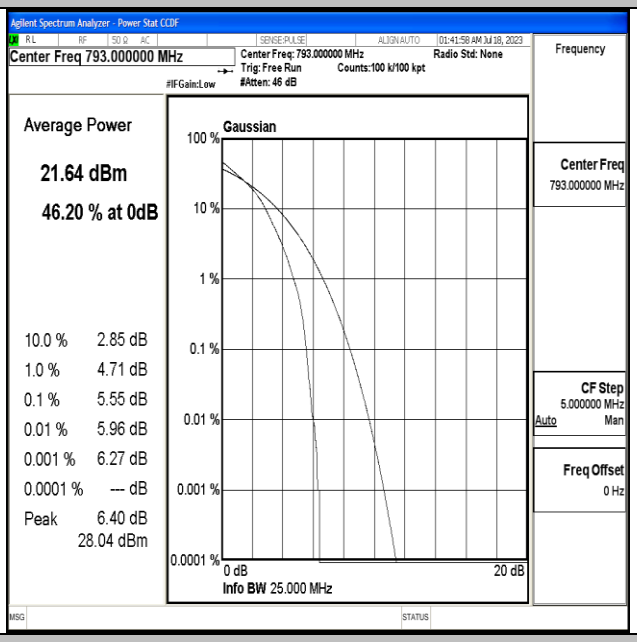
5MHz-23355



5MHz-23355



10MHz-23330



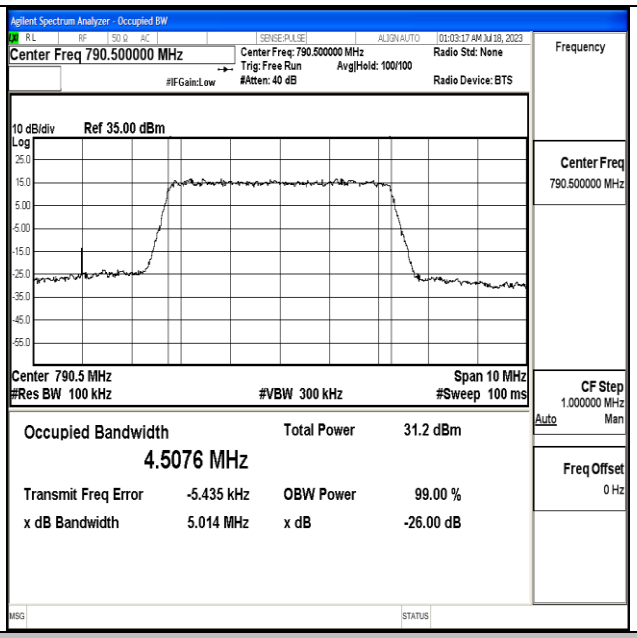
10MHz-23330

Appendix C: 26dB Bandwidth and Occupied Bandwidth

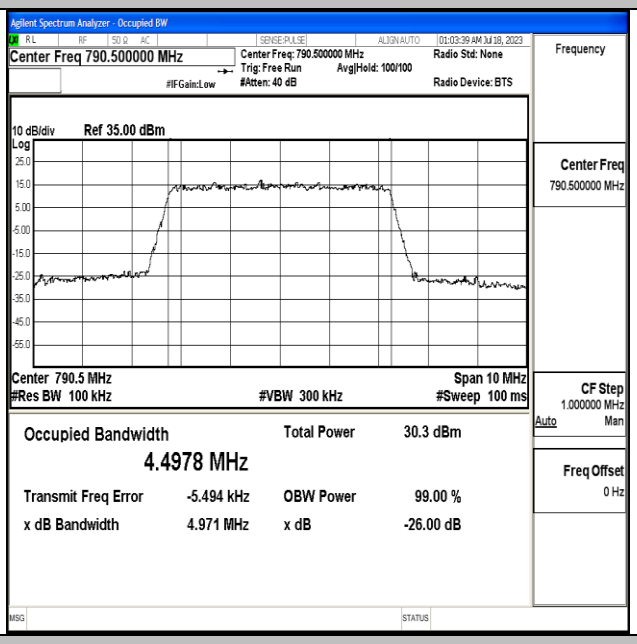
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	4.5076	5.014	PASS
Band14	5MHz	16QAM	23305	25RB#0	4.4978	4.971	PASS
Band14	5MHz	QPSK	23330	25RB#0	4.5230	5.026	PASS
Band14	5MHz	16QAM	23330	25RB#0	4.4922	4.972	PASS
Band14	5MHz	QPSK	23355	25RB#0	4.4979	4.988	PASS
Band14	5MHz	16QAM	23355	25RB#0	4.5185	5.013	PASS
Band14	10MHz	QPSK	23330	50RB#0	8.9629	9.958	PASS
Band14	10MHz	16QAM	23330	50RB#0	8.9518	9.804	PASS

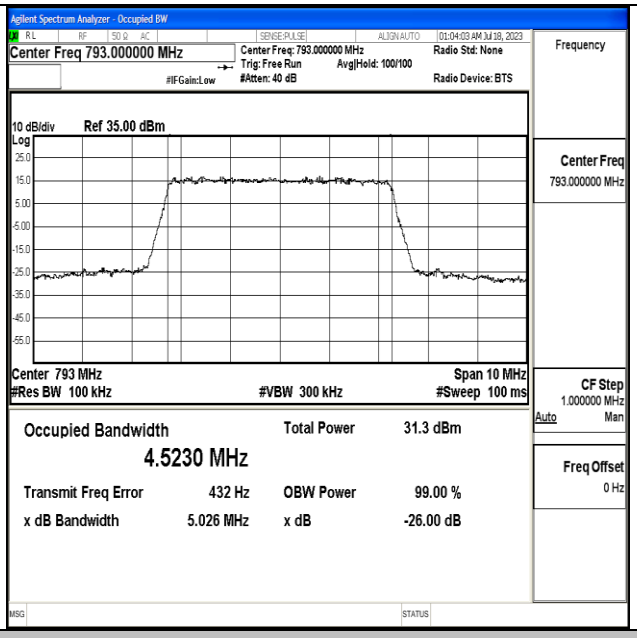
Test Graphs



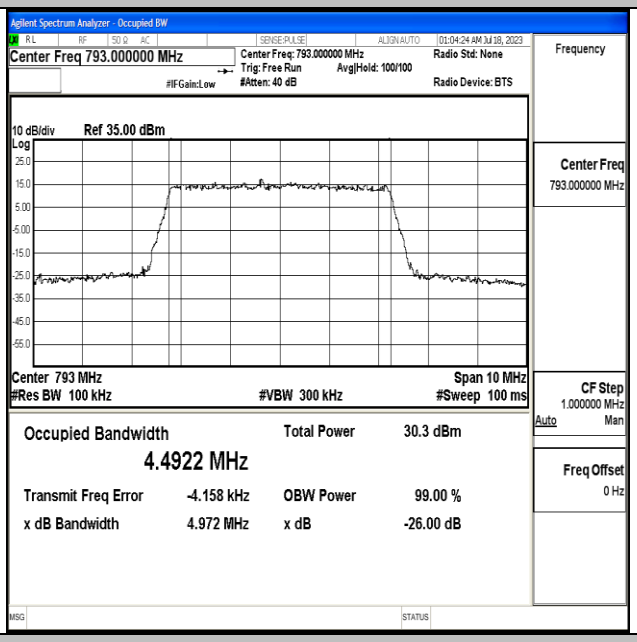
5MHz-23305



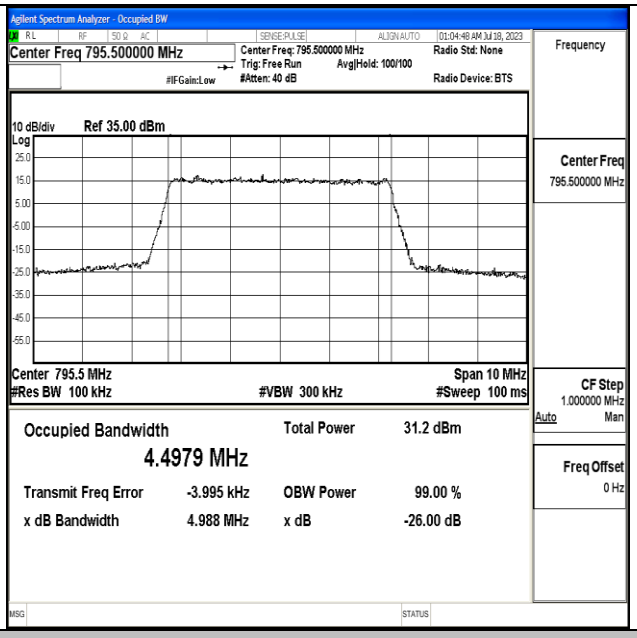
5MHz-23305



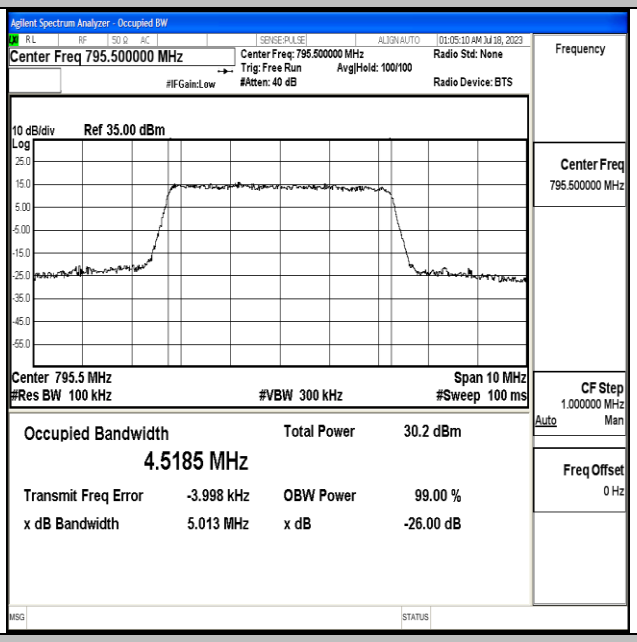
5MHz-23330



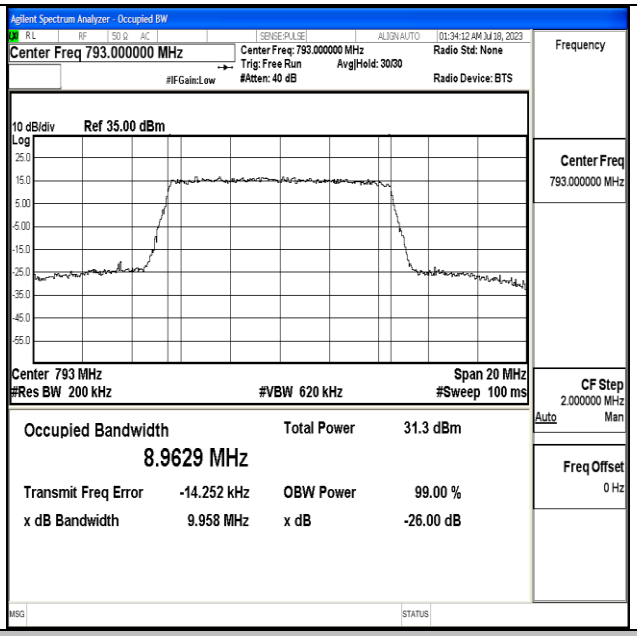
5MHz-23330



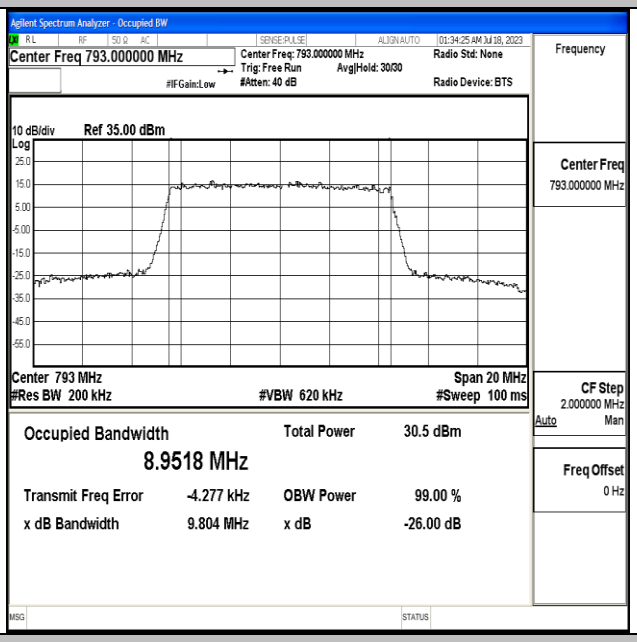
5MHz-23355



5MHz-23355



10MHz-23330



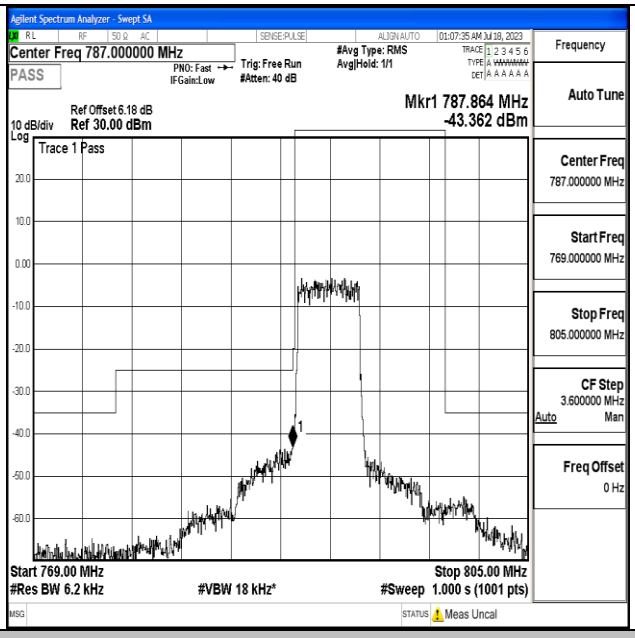
10MHz-23330

Appendix D: Band Edge

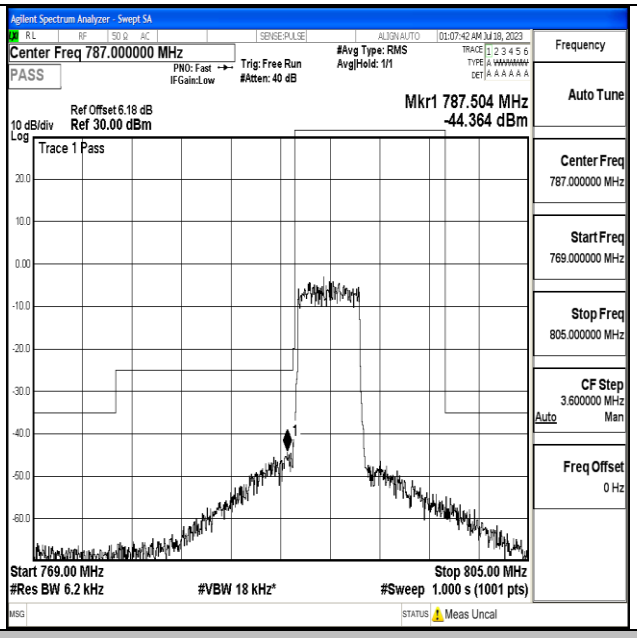
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	787.86	-43.36	PASS
Band14	5MHz	16QAM	23305	25RB#0	787.50	-44.36	PASS
Band14	5MHz	QPSK	23355	25RB#0	799.13	-43.95	PASS
Band14	5MHz	16QAM	23355	25RB#0	799.06	-44.21	PASS
Band14	10MHz	QPSK	23330	50RB#0	799.02	-46.51	PASS
Band14	10MHz	16QAM	23330	50RB#0	799.13	-47.81	PASS

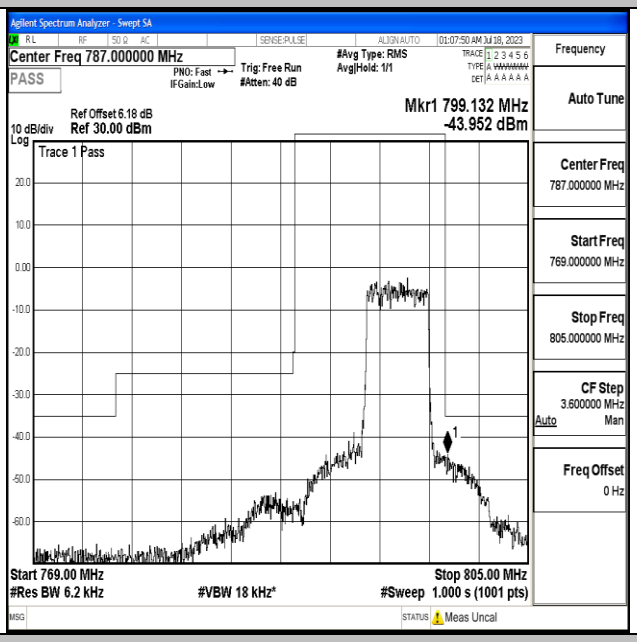
Test Graphs



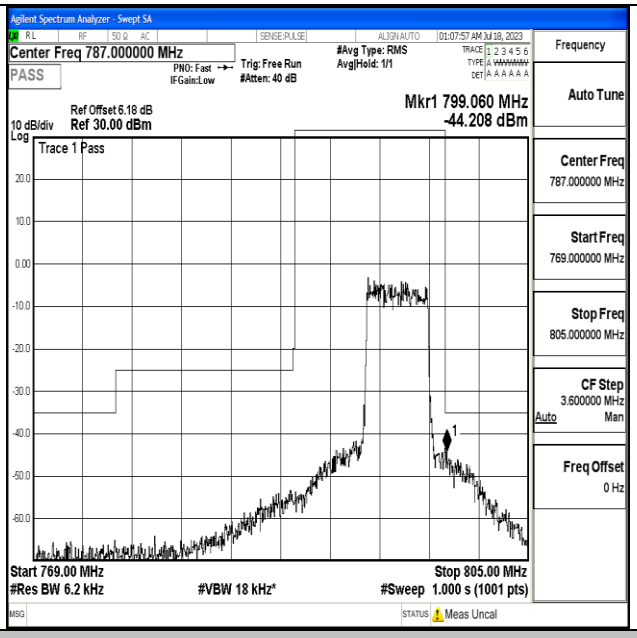
Band14_5MHz_QPSK_23305_25RB#0



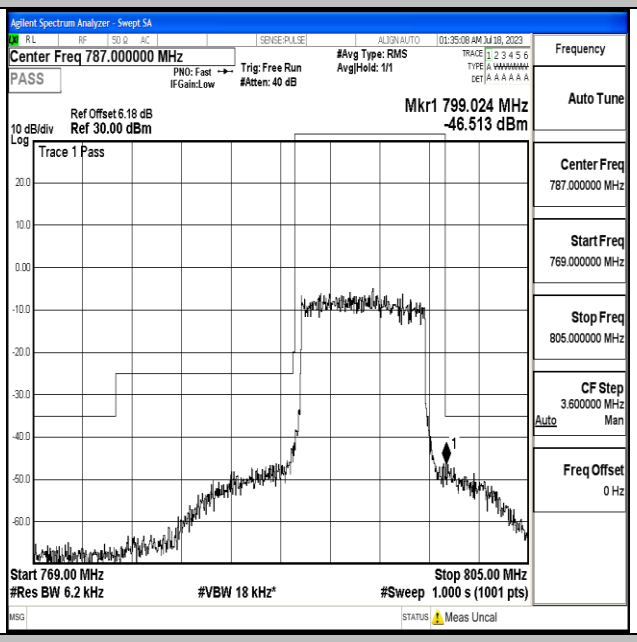
Band14_5MHz_16QAM_23305_25RB#0



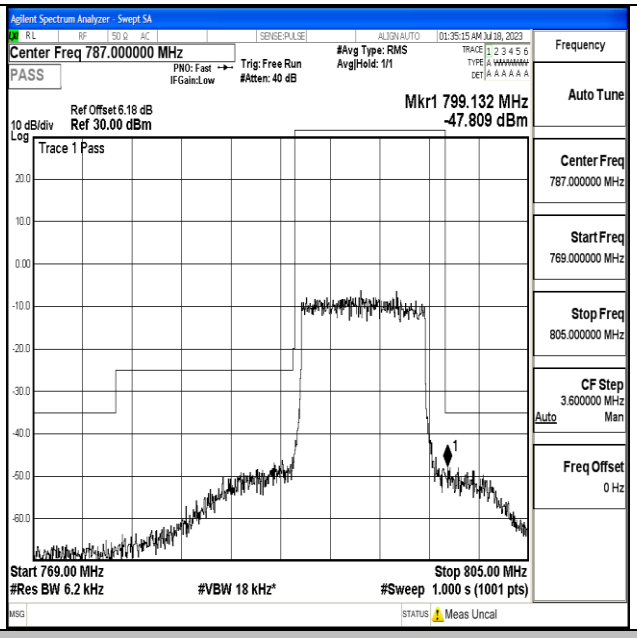
Band14_5MHz_QPSK_23355_25RB#0



Band14_5MHz_16QAM_23355_25RB#0



Band14_10MHz_QPSK_23330_50RB#0



Band14_10MHz_16QAM_23330_50RB#0

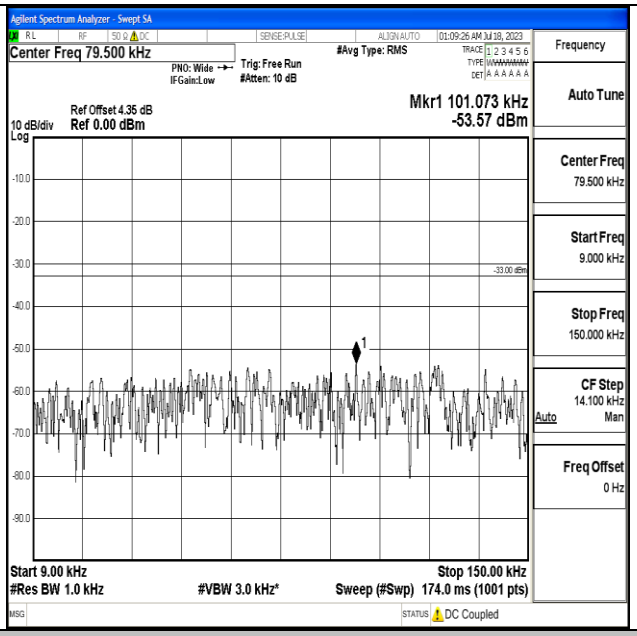
Appendix E: Conducted Spurious Emission

Test Result

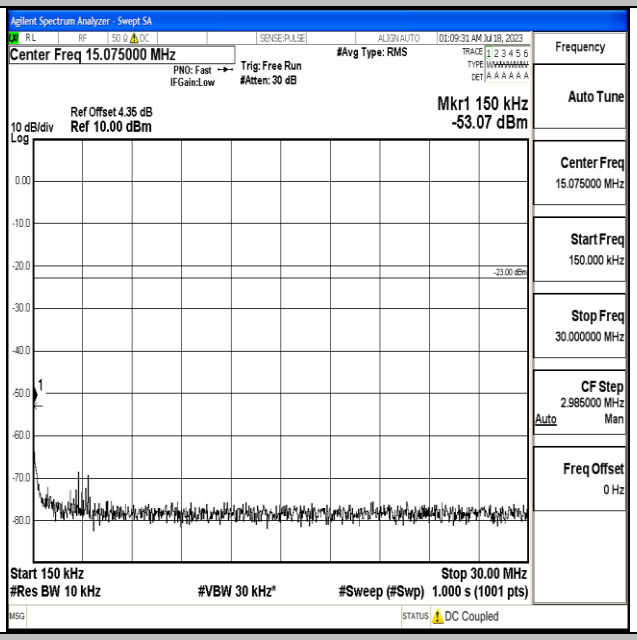
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	0.009~0.15	-53.57	PASS
Band14	5MHz	QPSK	23305	1RB#0	0.15~30	-53.07	PASS
Band14	5MHz	QPSK	23305	1RB#0	30~1000	-62.40	PASS
Band14	5MHz	QPSK	23305	1RB#0	1000~3000	-40.44	PASS
Band14	5MHz	QPSK	23305	1RB#0	3000~10000	-44.31	PASS
Band14	5MHz	16QAM	23305	1RB#0	0.009~0.15	-55.40	PASS
Band14	5MHz	16QAM	23305	1RB#0	0.15~30	-52.51	PASS
Band14	5MHz	16QAM	23305	1RB#0	30~1000	-62.84	PASS
Band14	5MHz	16QAM	23305	1RB#0	1000~3000	-43.06	PASS
Band14	5MHz	16QAM	23330	1RB#0	0.009~0.15	-56.18	PASS
Band14	5MHz	16QAM	23305	1RB#0	3000~10000	-44.06	PASS
Band14	5MHz	QPSK	23330	1RB#0	0.009~0.15	-51.20	PASS
Band14	5MHz	QPSK	23330	1RB#0	0.15~30	-52.49	PASS
Band14	5MHz	QPSK	23330	1RB#0	30~1000	-62.82	PASS
Band14	5MHz	QPSK	23330	1RB#0	1000~3000	-41.35	PASS
Band14	5MHz	QPSK	23330	1RB#0	3000~10000	-44.16	PASS
Band14	5MHz	16QAM	23330	1RB#0	0.15~30	-52.86	PASS
Band14	5MHz	16QAM	23330	1RB#0	30~1000	-62.95	PASS
Band14	5MHz	16QAM	23330	1RB#0	1000~3000	-42.68	PASS
Band14	5MHz	16QAM	23330	1RB#0	3000~10000	-44.34	PASS
Band14	5MHz	QPSK	23355	1RB#0	0.009~0.15	-51.23	PASS
Band14	5MHz	QPSK	23355	1RB#0	0.15~30	-53.86	PASS
Band14	5MHz	QPSK	23355	1RB#0	30~1000	-62.38	PASS
Band14	5MHz	QPSK	23355	1RB#0	1000~3000	-41.79	PASS
Band14	5MHz	QPSK	23355	1RB#0	3000~10000	-44.19	PASS
Band14	5MHz	16QAM	23355	1RB#0	0.009~0.15	-53.09	PASS
Band14	5MHz	16QAM	23355	1RB#0	0.15~30	-53.05	PASS
Band14	5MHz	16QAM	23355	1RB#0	30~1000	-62.74	PASS
Band14	5MHz	16QAM	23355	1RB#0	1000~3000	-42.42	PASS
Band14	5MHz	16QAM	23355	1RB#0	3000~10000	-43.88	PASS
Band14	10MHz	QPSK	23330	1RB#0	0.009~0.15	-52.34	PASS
Band14	10MHz	QPSK	23330	1RB#0	0.15~30	-52.58	PASS
Band14	10MHz	QPSK	23330	1RB#0	30~1000	-62.92	PASS
Band14	10MHz	QPSK	23330	1RB#0	1000~3000	-41.95	PASS
Band14	10MHz	QPSK	23330	1RB#0	3000~10000	-44.25	PASS
Band14	10MHz	16QAM	23330	1RB#0	0.009~0.15	-55.11	PASS

Band14	10MHz	16QAM	23330	1RB#0	0.15~30	-53.11	PASS
Band14	10MHz	16QAM	23330	1RB#0	30~1000	-62.92	PASS
Band14	10MHz	16QAM	23330	1RB#0	1000~3000	-40.65	PASS
Band14	10MHz	16QAM	23330	1RB#0	3000~10000	-44.16	PASS

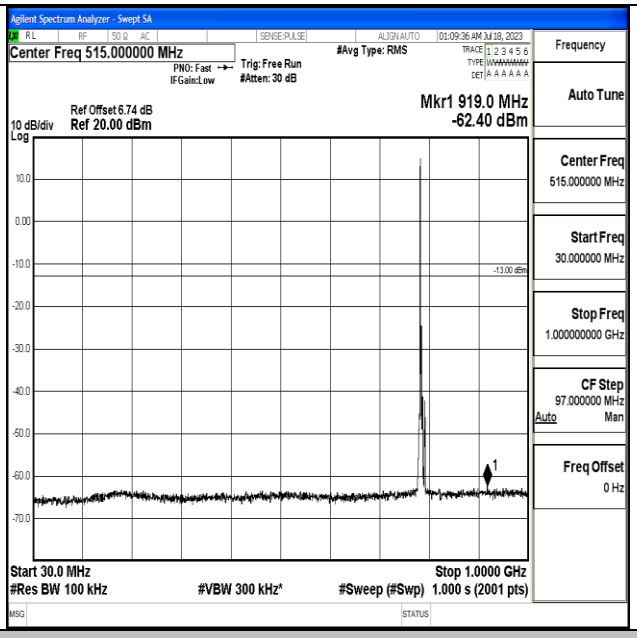
Test Graphs



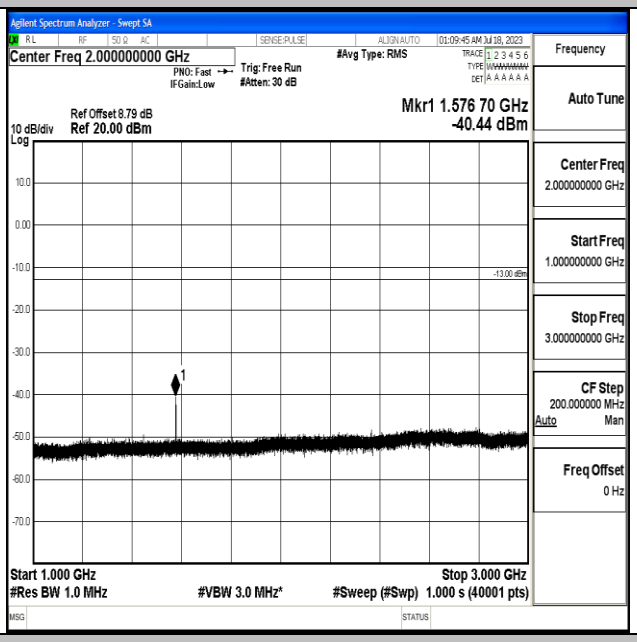
Band14_5MHz_QPSK_23305_1RB#0_0.009~0.15_0.009~0.15



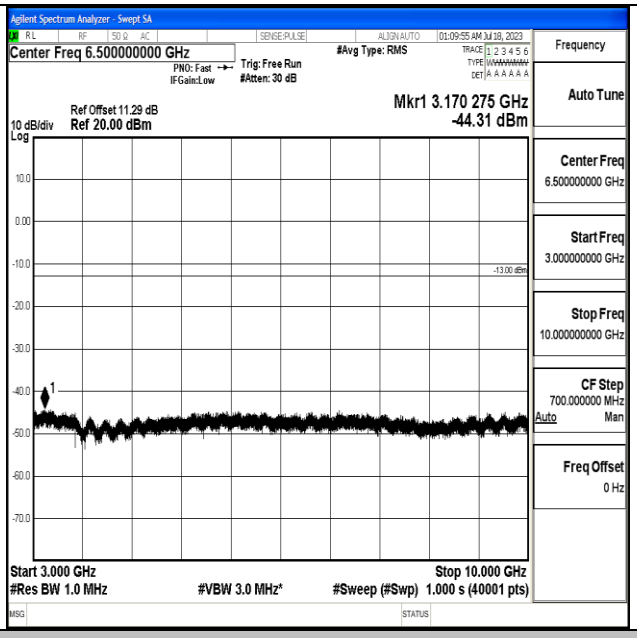
Band14_5MHz_QPSK_23305_1RB#0_0.15~30_0.15~30



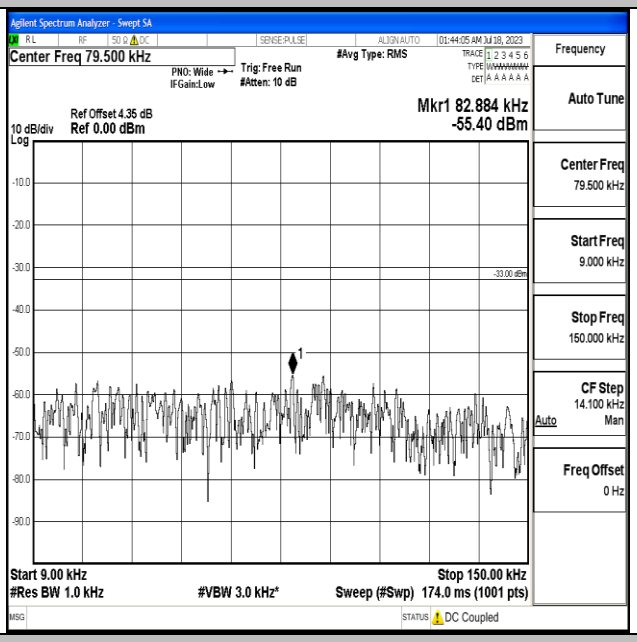
Band14_5MHz_QPSK_23305_1RB#0_30~1000_30~1000



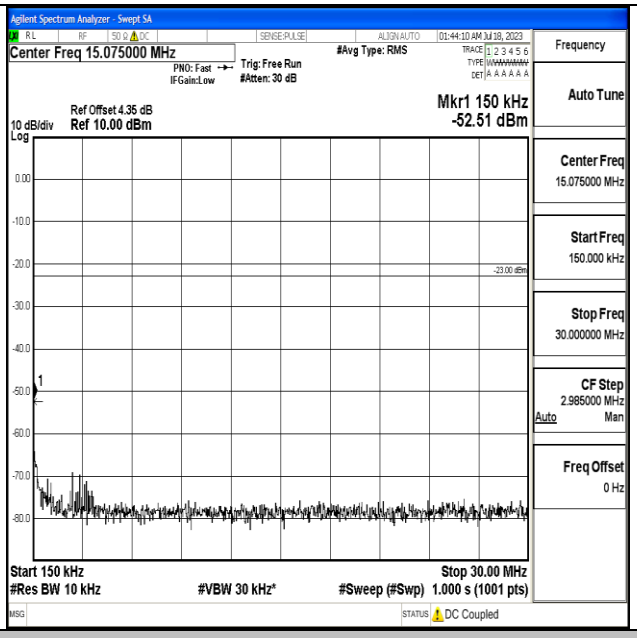
Band14_5MHz_QPSK_23305_1RB#0_1000~3000_1000~3000



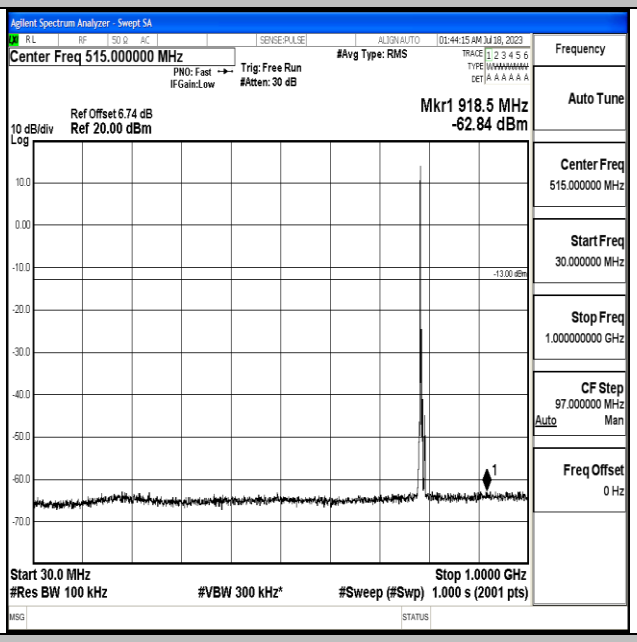
Band14_5MHz_QPSK_23305_1RB#0_3000~10000_3000~10000



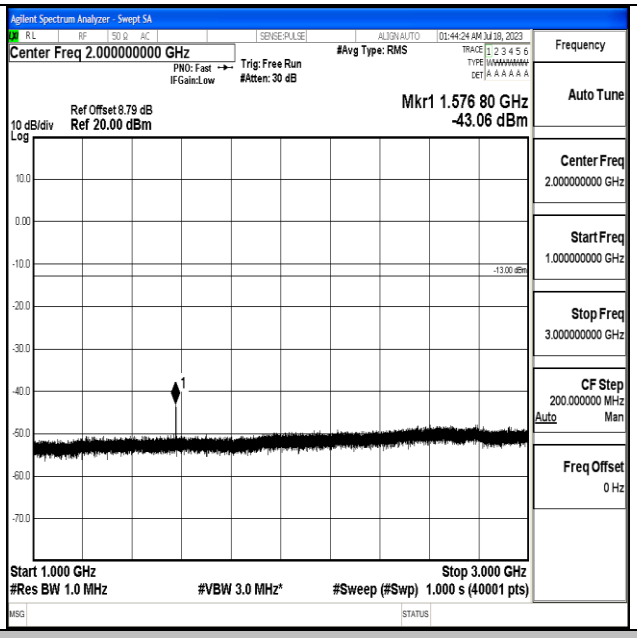
Band14_5MHz_16QAM_23305_1RB#0_0.009~0.15_0.009~0.15



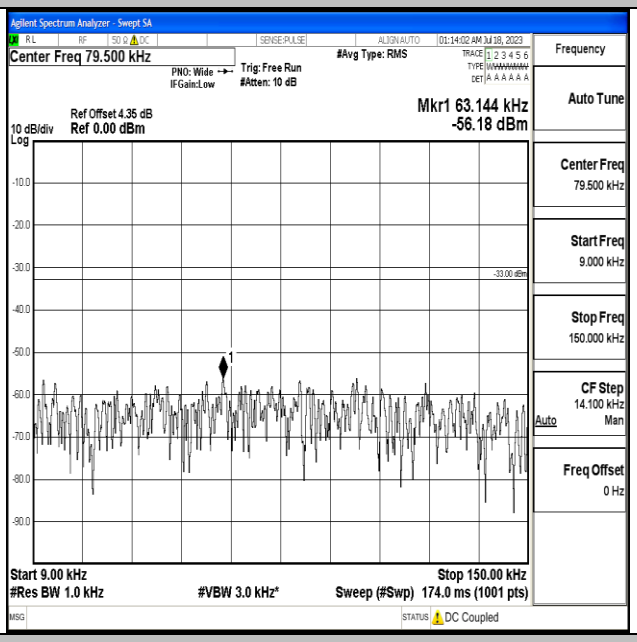
Band14_5MHz_16QAM_23305_1RB#0_0.15~30_0.15~30



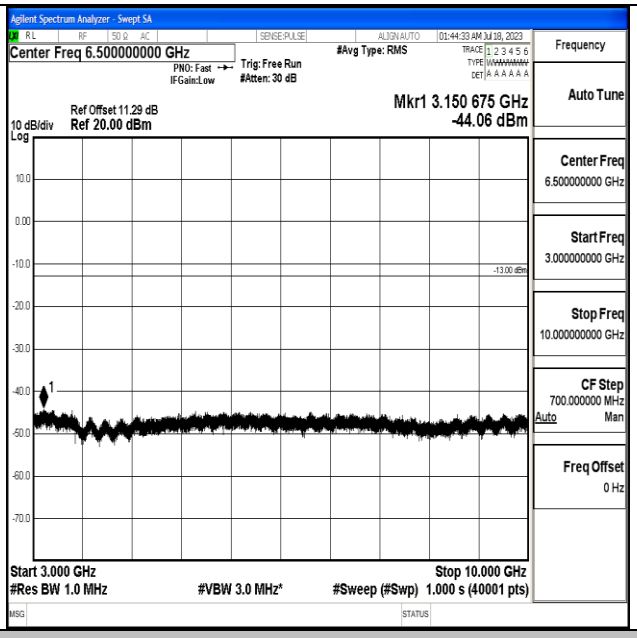
Band14_5MHz_16QAM_23305_1RB#0_30~1000_30~1000



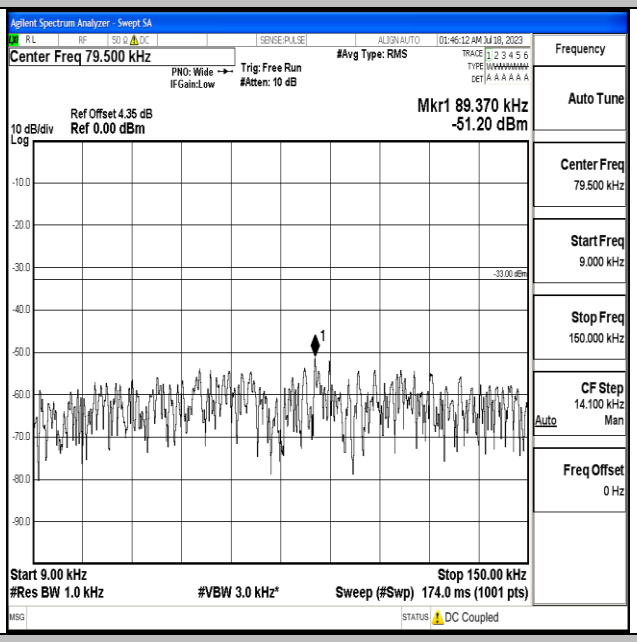
Band14_5MHz_16QAM_23305_1RB#0_1000~3000_1000~3000



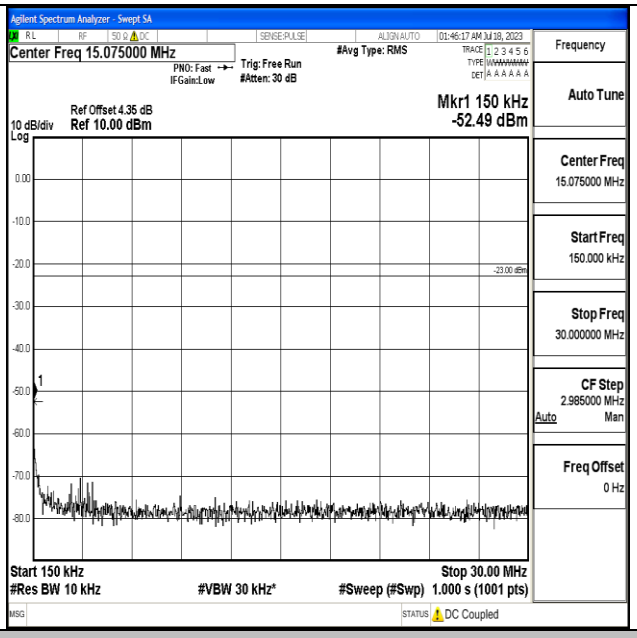
Band14_5MHz_16QAM_23330_1RB#0_0.009~0.15_0.009~0.15



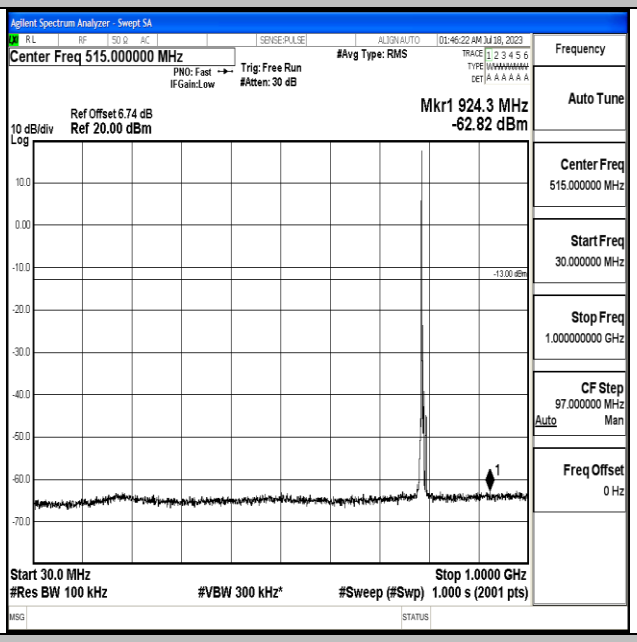
Band14_5MHz_16QAM_23305_1RB#0_3000~10000_3000~10000



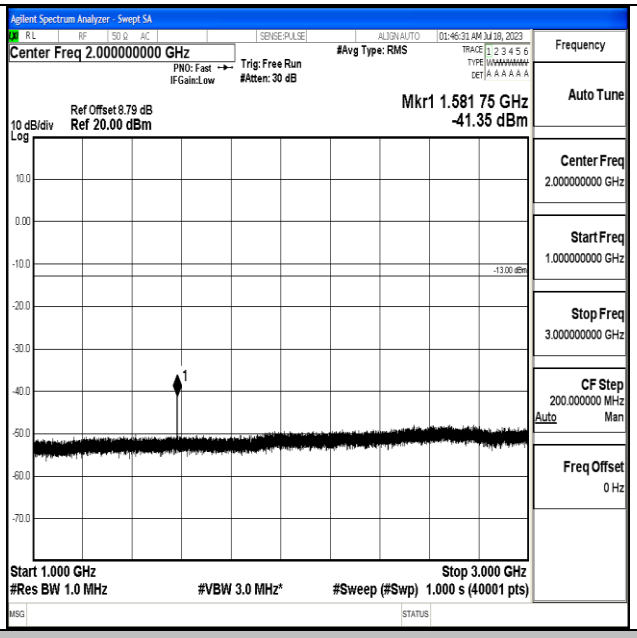
Band14_5MHz_QPSK_23330_1RB#0_0.009~0.15_0.009~0.15



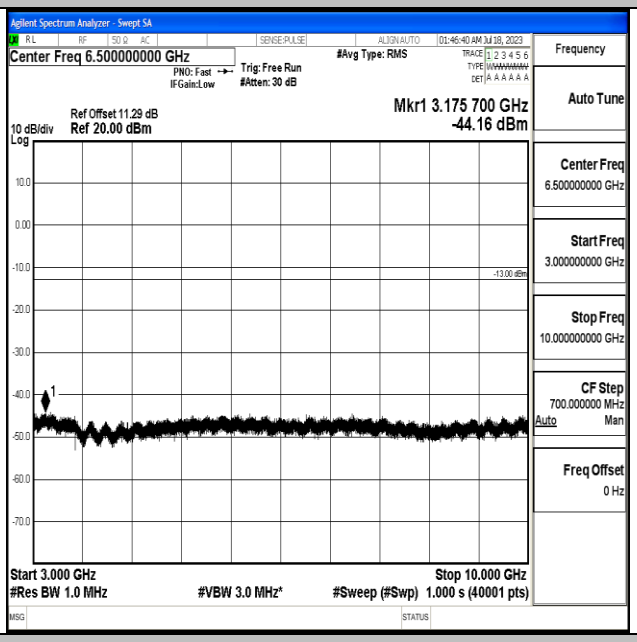
Band14_5MHz_QPSK_23330_1RB#0_0.15~30_0.15~30



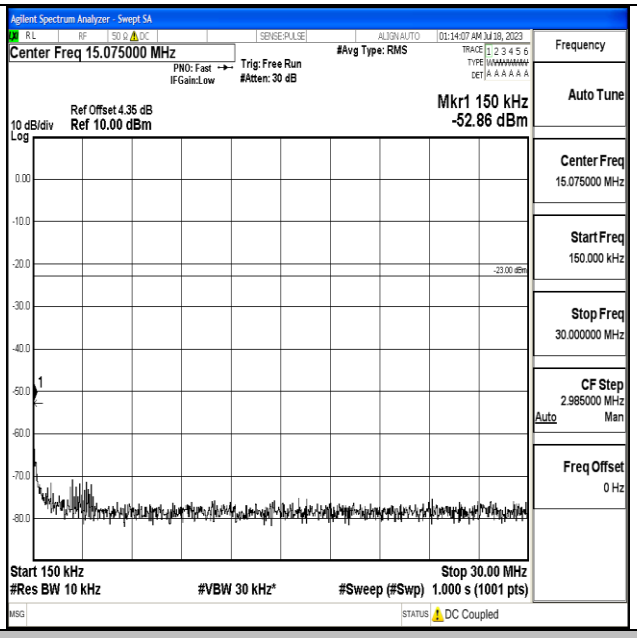
Band14_5MHz_QPSK_23330_1RB#0_30~1000_30~1000



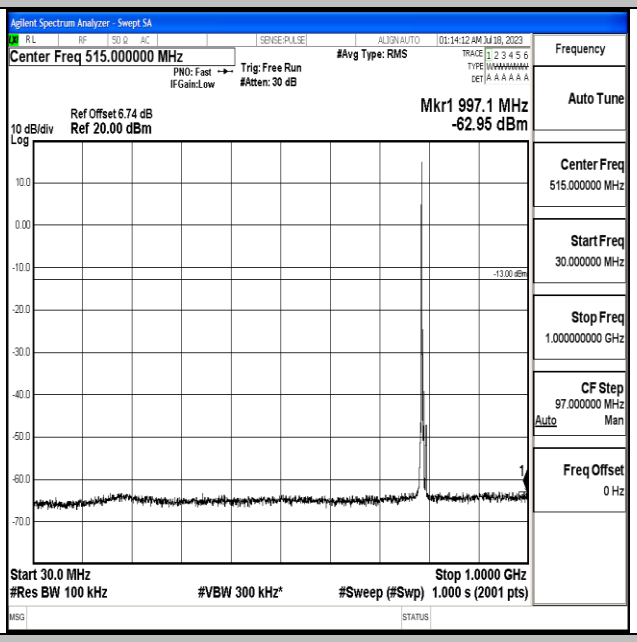
Band14_5MHz_QPSK_23330_1RB#0_1000~3000_1000~3000



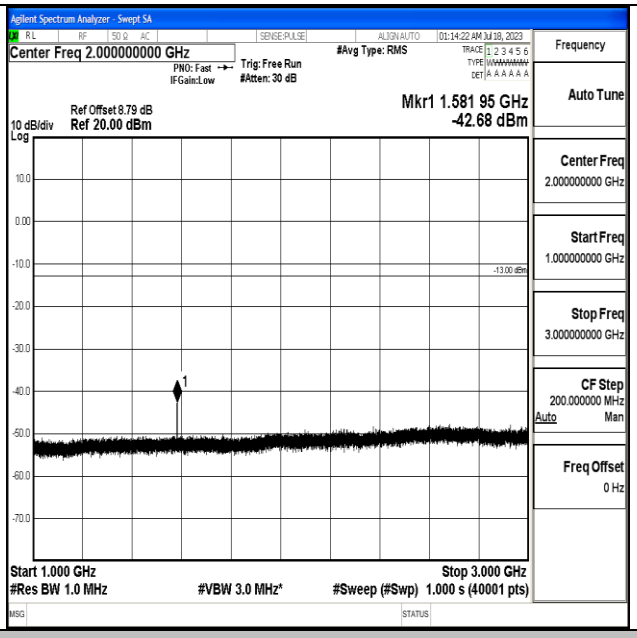
Band14_5MHz_QPSK_23330_1RB#0_3000~10000_3000~10000



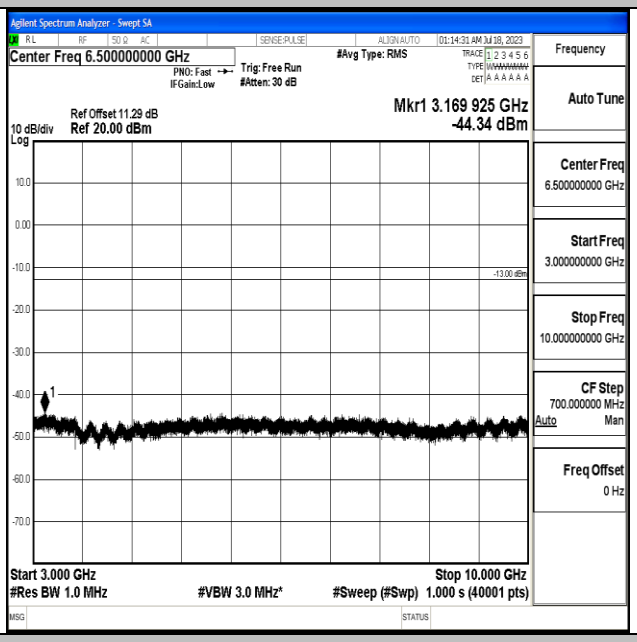
Band14_5MHz_16QAM_23330_1RB#0_0.15~30_0.15~30



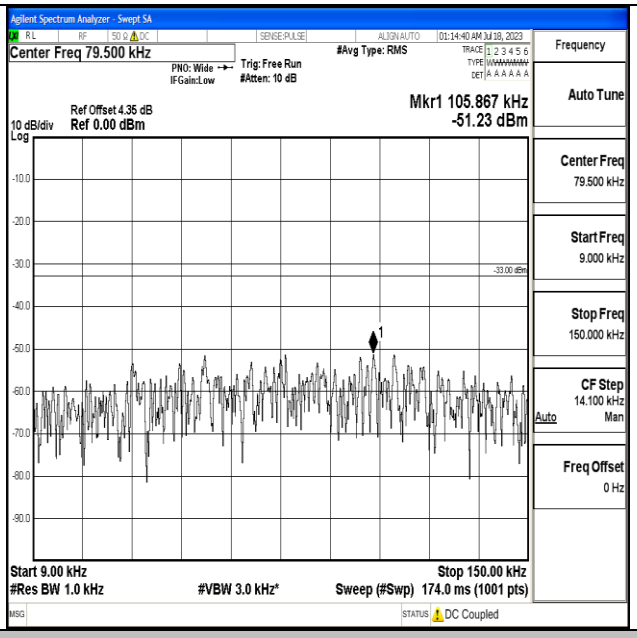
Band14_5MHz_16QAM_23330_1RB#0_30~1000_30~1000



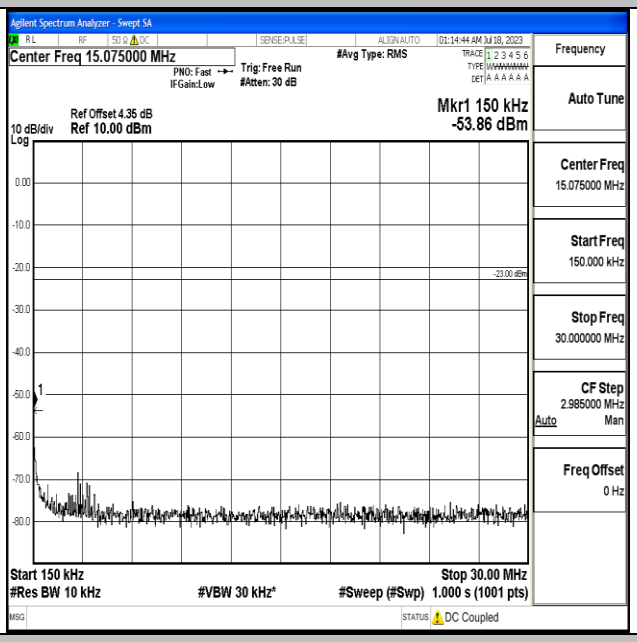
Band14_5MHz_16QAM_23330_1RB#0_1000~3000_1000~3000



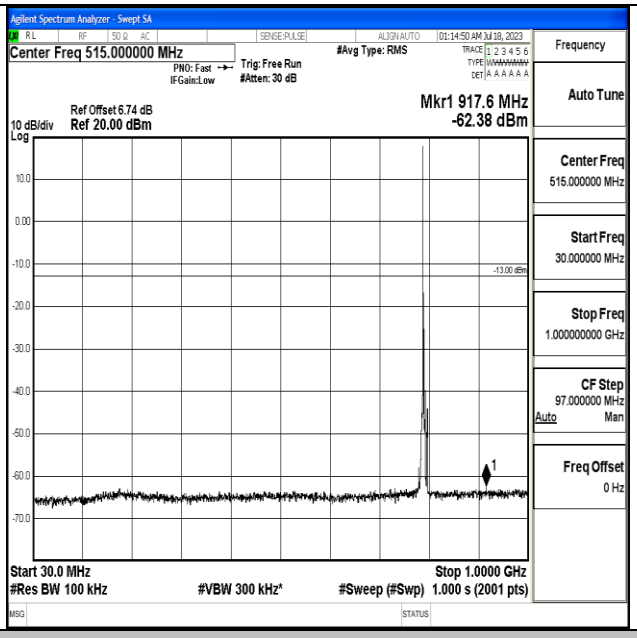
Band14_5MHz_16QAM_23330_1RB#0_3000~10000_3000~10000



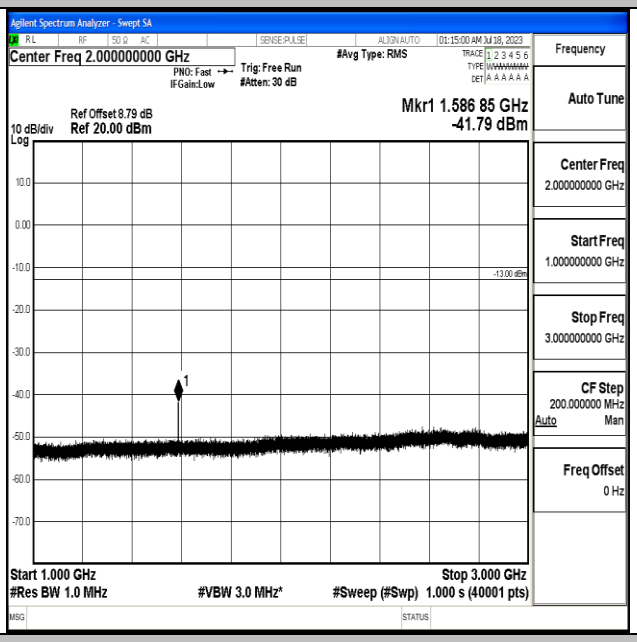
Band14_5MHz_QPSK_23355_1RB#0_0.009~0.15_0.009~0.15



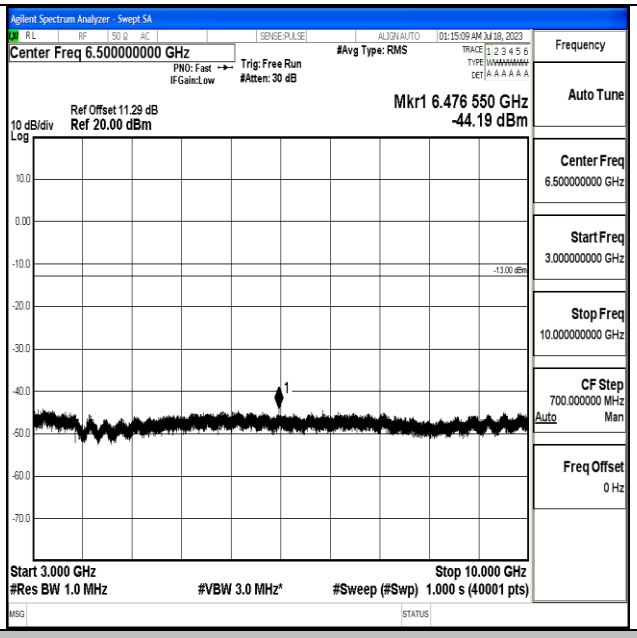
Band14_5MHz_QPSK_23355_1RB#0_0.15~30_0.15~30



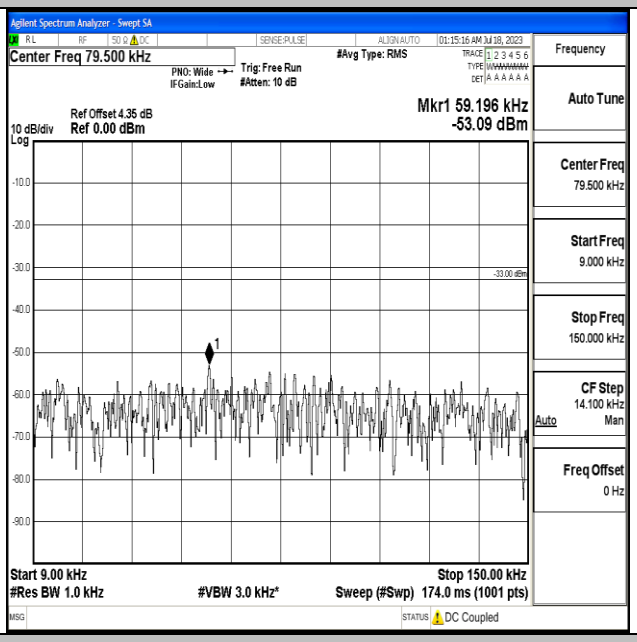
Band14_5MHz_QPSK_23355_1RB#0_30~1000_30~1000



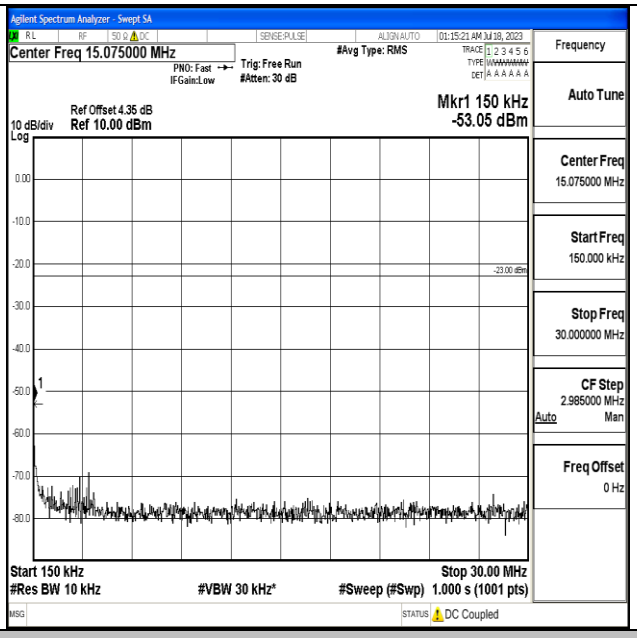
Band14_5MHz_QPSK_23355_1RB#0_1000~3000_1000~3000



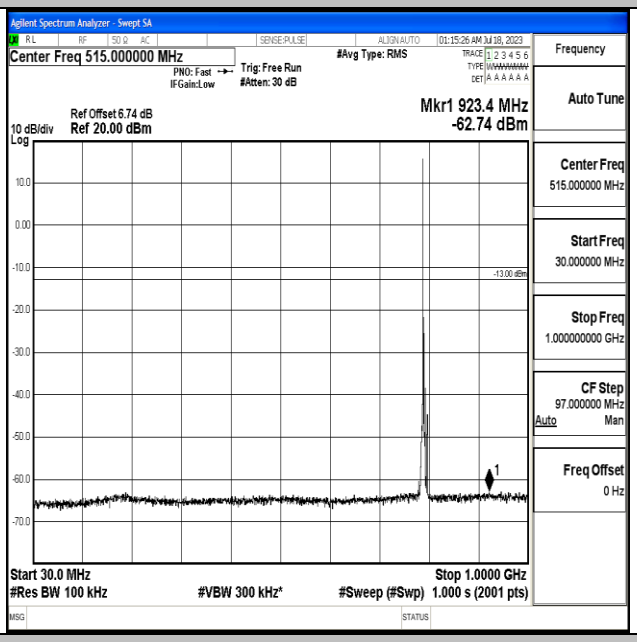
Band14_5MHz_QPSK_23355_1RB#0_3000~10000_3000~10000



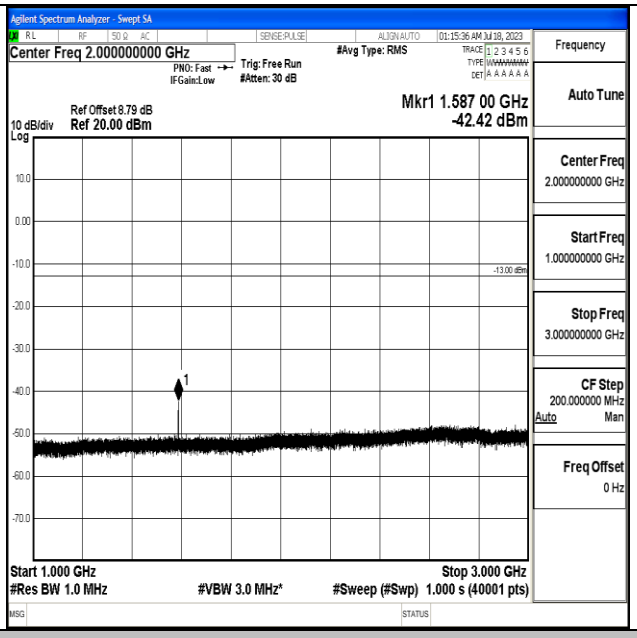
Band14_5MHz_16QAM_23355_1RB#0_0.009~0.15_0.009~0.15



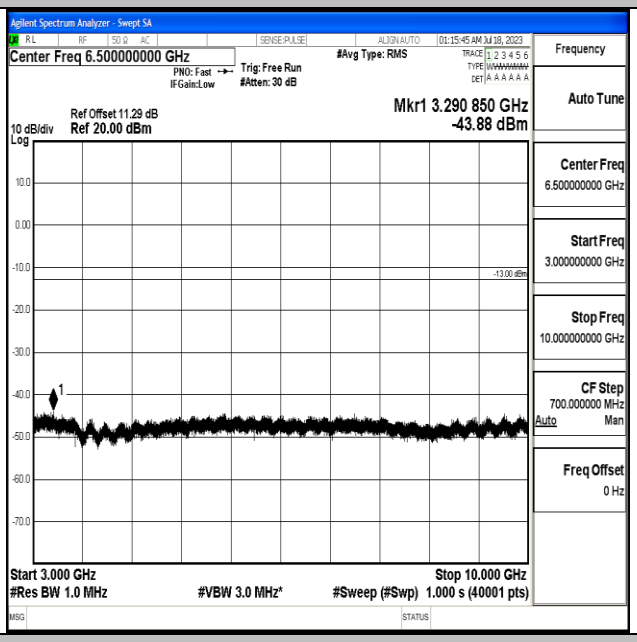
Band14_5MHz_16QAM_23355_1RB#0_0.15~30_0.15~30



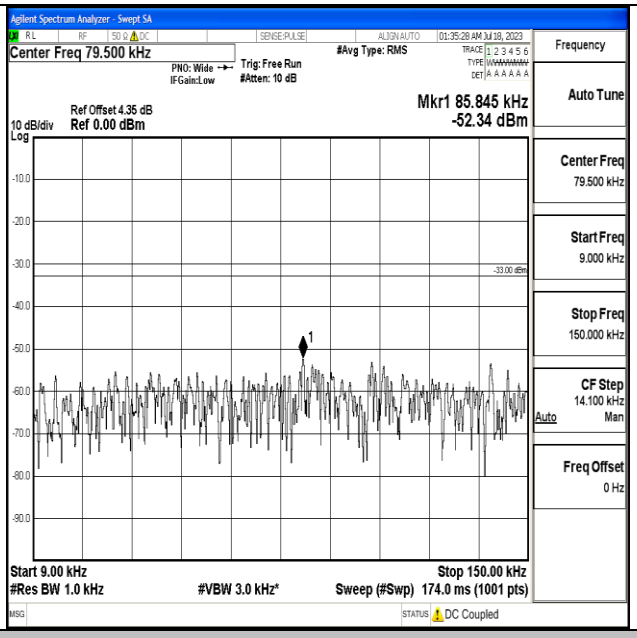
Band14_5MHz_16QAM_23355_1RB#0_30~1000_30~1000



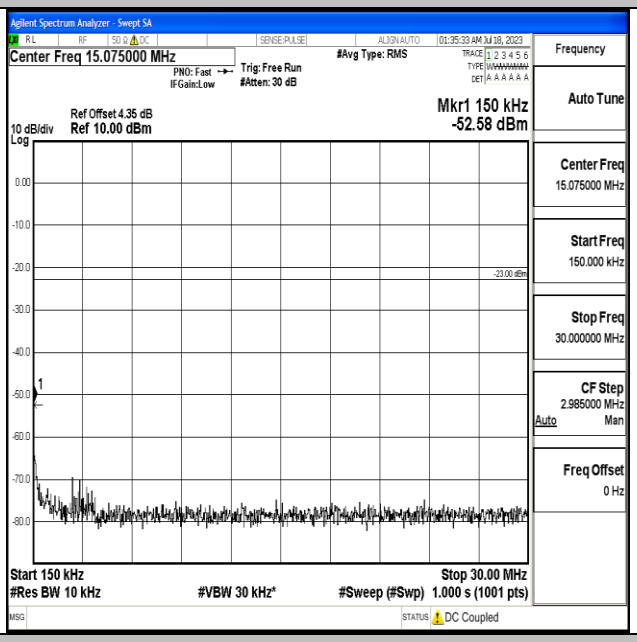
Band14_5MHz_16QAM_23355_1RB#0_1000~3000_1000~3000



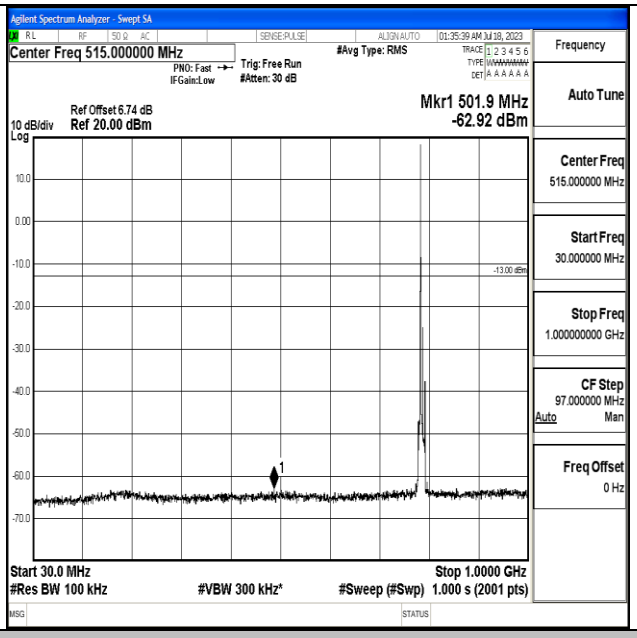
Band14_5MHz_16QAM_23355_1RB#0_3000~10000_3000~10000



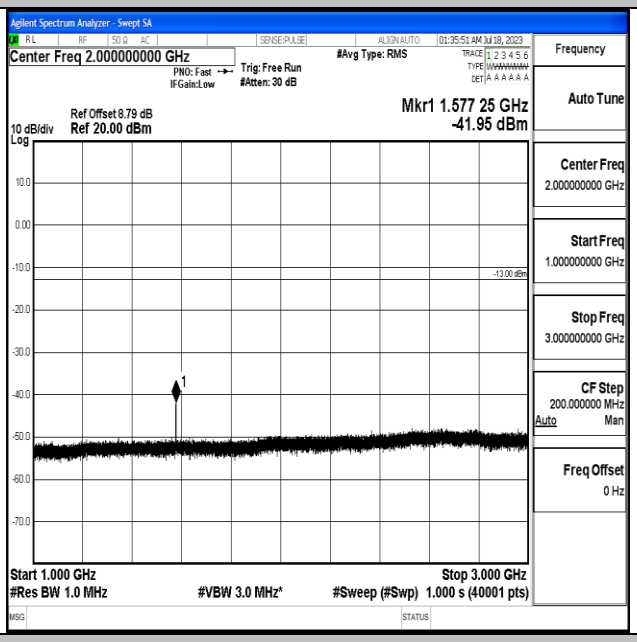
Band14_10MHz_QPSK_23330_1RB#0_0.009~0.15_0.009~0.15



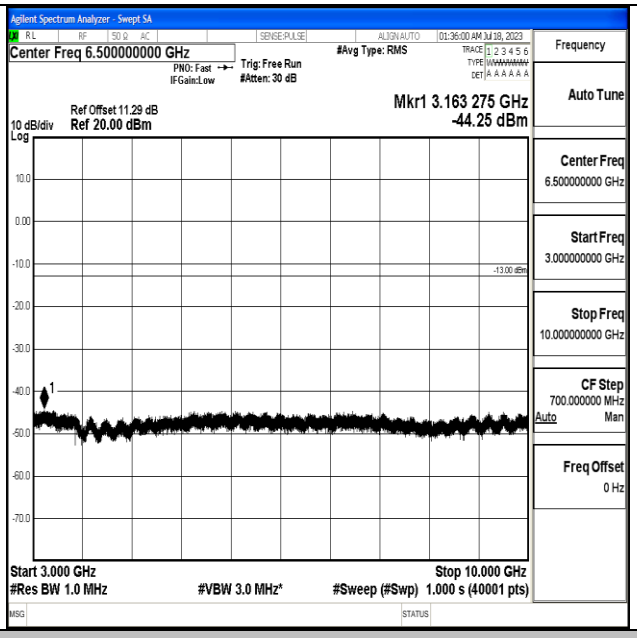
Band14_10MHz_QPSK_23330_1RB#0_0.15~30_0.15~30



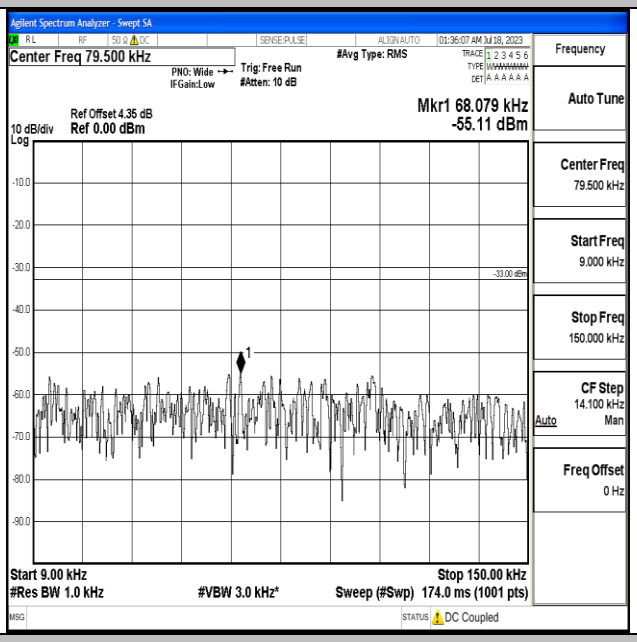
Band14_10MHz_QPSK_23330_1RB#0_30~1000_30~1000



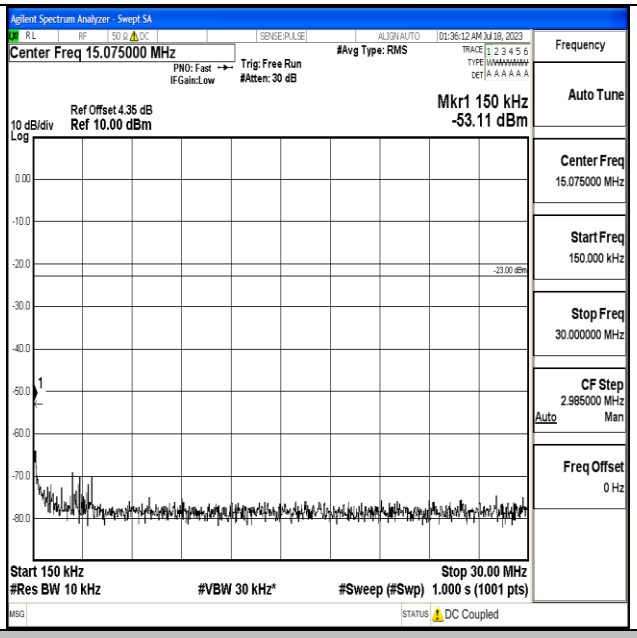
Band14_10MHz_QPSK_23330_1RB#0_1000~3000_1000~3000



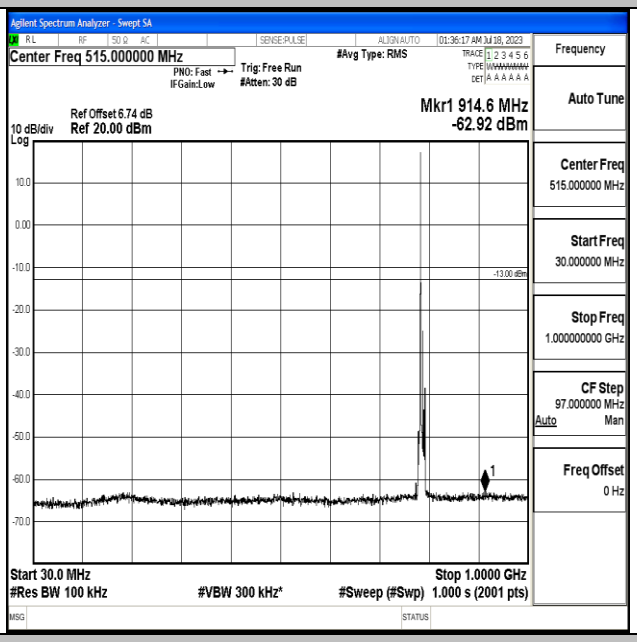
Band14_10MHz_QPSK_23330_1RB#0_3000~10000_3000~10000



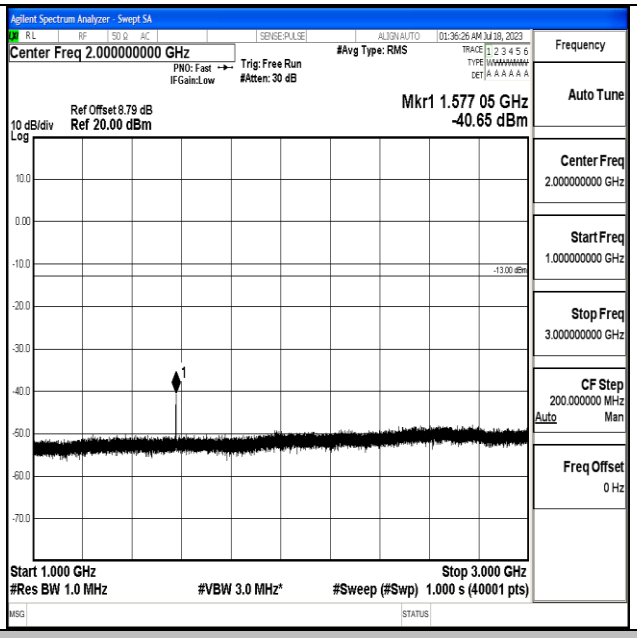
Band14_10MHz_16QAM_23330_1RB#0_0.009~0.15_0.009~0.15



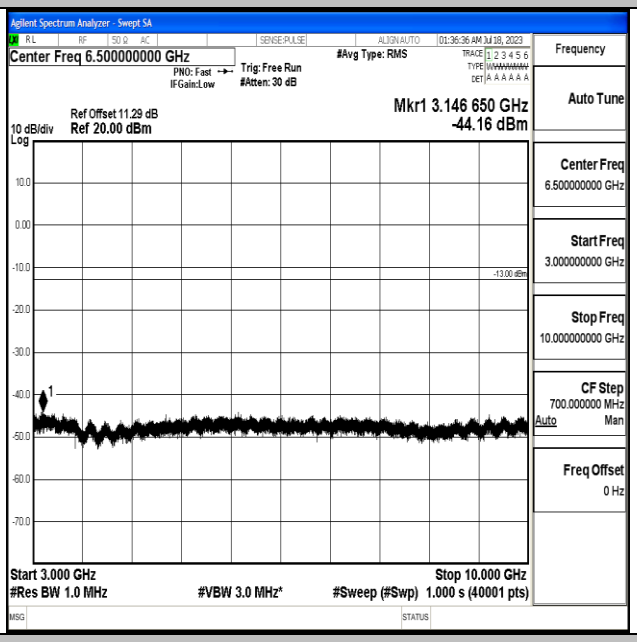
Band14_10MHz_16QAM_23330_1RB#0_0.15~30_0.15~30



Band14_10MHz_16QAM_23330_1RB#0_30~1000_30~1000



Band14_10MHz_16QAM_23330_1RB#0_1000~3000_1000~3000



Band14_10MHz_16QAM_23330_1RB#0_3000~10000_3000~10000

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	VN	NT	-2.48	-0.003137	±2.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	VL	NT	-4.71	-0.005958	±2.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	VH	NT	-4.91	-0.006211	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	VN	NT	-3.14	-0.003972	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	VL	NT	-6.02	-0.007615	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	VH	NT	-4.05	-0.005123	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	VN	NT	-1.60	-0.002018	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	VL	NT	-3.71	-0.004678	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	VH	NT	-1.99	-0.002509	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	VN	NT	-2.75	-0.003468	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	VL	NT	-2.41	-0.003039	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	VH	NT	-2.97	-0.003745	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	VN	NT	-1.83	-0.002300	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	VL	NT	2.65	0.003331	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	VH	NT	-2.92	-0.003671	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	VN	NT	-2.21	-0.002778	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	VL	NT	-3.23	-0.004060	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	VH	NT	-2.34	-0.002942	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	VN	NT	-2.74	-0.003455	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	VL	NT	-1.96	-0.002472	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	VH	NT	-3.51	-0.004426	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	VN	NT	-3.01	-0.003796	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	VL	NT	-3.89	-0.004905	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	VH	NT	-1.38	-0.001740	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	NV	-30	-4.16	-0.005262	±2.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	-20	-5.79	-0.007324	±2.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	-10	-4.53	-0.005731	±2.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	0	-2.84	-0.003593	±2.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	10	-4.72	-0.005971	±2.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	20	-4.61	-0.005832	±2.5	PASS

Band14	5MHz	QPSK	23305	25RB#0	NV	30	-4.90	-0.006199	±2.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	40	-2.46	-0.003112	±2.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	50	-3.95	-0.004997	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	-30	-3.43	-0.004339	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	-20	-4.79	-0.006059	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	-10	-4.32	-0.005465	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	0	-4.60	-0.005819	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	10	-3.99	-0.005047	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	20	-5.32	-0.006730	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	30	-3.80	-0.004807	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	40	-4.97	-0.006287	±2.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	50	-4.91	-0.006211	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	-30	-2.95	-0.003720	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	-20	-2.50	-0.003153	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	-10	-3.23	-0.004073	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	0	-2.11	-0.002661	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	10	-2.66	-0.003354	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	20	-2.24	-0.002825	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	30	-2.63	-0.003317	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	40	-3.19	-0.004023	±2.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	50	-2.52	-0.003178	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	-30	-2.81	-0.003544	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	-20	2.20	0.002774	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	-10	-2.51	-0.003165	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	0	-1.78	-0.002245	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	10	-2.11	-0.002661	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	20	-2.54	-0.003203	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	30	-2.84	-0.003581	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	40	-2.62	-0.003304	±2.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	50	-3.36	-0.004237	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	-30	-2.23	-0.002803	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	-20	-1.63	-0.002049	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	-10	1.74	0.002187	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	0	-2.70	-0.003394	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	10	1.36	0.001710	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	20	-2.92	-0.003671	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	30	1.71	0.002150	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	40	-2.96	-0.003721	±2.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	50	2.23	0.002803	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	-30	-2.70	-0.003394	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	-20	2.11	0.002652	±2.5	PASS

Band14	5MHz	16QAM	23355	25RB#0	NV	-10	-2.14	-0.002690	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	0	-2.26	-0.002841	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	10	2.77	0.003482	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	20	-2.60	-0.003268	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	30	-2.85	-0.003583	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	40	-1.61	-0.002024	±2.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	50	2.40	0.003017	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-30	-3.85	-0.004855	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-20	-2.56	-0.003228	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-10	-2.94	-0.003707	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	0	-3.01	-0.003796	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	10	-2.92	-0.003682	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	20	-3.14	-0.003960	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	30	-3.92	-0.004943	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	40	-4.20	-0.005296	±2.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	50	-2.64	-0.003329	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	-30	-4.67	-0.005889	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	-20	-2.65	-0.003342	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	-10	1.56	0.001967	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	0	-1.57	-0.001980	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	10	-2.26	-0.002850	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	20	-2.15	-0.002711	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	30	-3.27	-0.004124	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	40	-2.44	-0.003077	±2.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	50	2.29	0.002888	±2.5	PASS