

FCC LTE-Cat M1 Band12 Test Data

General Description of EUT	
Product Name:	AirSuite Sense LTE
Test Model:	SSCM860
Sample ID:	202303-0011-01-02#
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 5V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202303-0011-101 . The report only show the worst case data.	

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1: Conducted Power Output Data for M1

1.1 Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NBIndex	Result(dBm)	Verdict
Band12	1.4MHz	23017	QPSK	1	0	Low	23.63	PASS
Band12	1.4MHz	23017	QPSK	1	5	Low	23.87	PASS
Band12	1.4MHz	23017	QPSK	6	0	Low	21.76	PASS
Band12	1.4MHz	23095	QPSK	1	0	Low	23.67	PASS
Band12	1.4MHz	23095	QPSK	1	5	Low	23.90	PASS
Band12	1.4MHz	23095	QPSK	6	0	Low	21.74	PASS
Band12	1.4MHz	23173	QPSK	1	0	High	23.55	PASS
Band12	1.4MHz	23173	QPSK	1	5	High	23.79	PASS
Band12	1.4MHz	23173	QPSK	6	0	High	21.54	PASS
Band12	1.4MHz	23017	16QAM	1	0	Low	22.41	PASS
Band12	1.4MHz	23017	16QAM	1	5	Low	22.71	PASS
Band12	1.4MHz	23017	16QAM	6	0	Low	21.76	PASS
Band12	1.4MHz	23095	16QAM	1	0	Low	22.52	PASS
Band12	1.4MHz	23095	16QAM	1	5	Low	22.84	PASS
Band12	1.4MHz	23095	16QAM	6	0	Low	21.74	PASS
Band12	1.4MHz	23173	16QAM	1	0	High	22.50	PASS
Band12	1.4MHz	23173	16QAM	1	5	High	22.68	PASS
Band12	1.4MHz	23173	16QAM	6	0	High	21.54	PASS
Band12	3MHz	23025	QPSK	1	0	Low	23.61	PASS
Band12	3MHz	23025	QPSK	1	5	Low	23.82	PASS
Band12	3MHz	23025	QPSK	6	0	Low	21.75	PASS
Band12	3MHz	23095	QPSK	1	0	Low	23.66	PASS
Band12	3MHz	23095	QPSK	1	5	Low	23.86	PASS
Band12	3MHz	23095	QPSK	6	0	Low	21.75	PASS
Band12	3MHz	23165	QPSK	1	0	High	23.46	PASS
Band12	3MHz	23165	QPSK	1	5	High	23.70	PASS
Band12	3MHz	23165	QPSK	6	0	High	21.57	PASS
Band12	3MHz	23025	16QAM	1	0	Low	22.67	PASS
Band12	3MHz	23025	16QAM	1	5	Low	22.74	PASS
Band12	3MHz	23025	16QAM	6	0	Low	21.75	PASS
Band12	3MHz	23095	16QAM	1	0	Low	22.44	PASS
Band12	3MHz	23095	16QAM	1	5	Low	22.84	PASS
Band12	3MHz	23095	16QAM	6	0	Low	21.71	PASS
Band12	3MHz	23165	16QAM	1	0	High	22.51	PASS
Band12	3MHz	23165	16QAM	1	5	High	22.72	PASS
Band12	3MHz	23165	16QAM	6	0	High	21.57	PASS
Band12	5MHz	23035	QPSK	1	0	Low	23.60	PASS
Band12	5MHz	23035	QPSK	1	5	Low	23.79	PASS
Band12	5MHz	23035	QPSK	6	0	Low	22.75	PASS
Band12	5MHz	23095	QPSK	1	0	Low	23.59	PASS

Band12	5MHz	23095	QPSK	1	5	Low	23.88	PASS
Band12	5MHz	23095	QPSK	6	0	Low	22.71	PASS
Band12	5MHz	23155	QPSK	1	0	High	23.53	PASS
Band12	5MHz	23155	QPSK	1	5	High	23.55	PASS
Band12	5MHz	23155	QPSK	6	0	High	22.65	PASS
Band12	5MHz	23035	16QAM	1	0	Low	23.47	PASS
Band12	5MHz	23035	16QAM	1	5	Low	23.78	PASS
Band12	5MHz	23035	16QAM	6	0	Low	22.75	PASS
Band12	5MHz	23095	16QAM	1	0	Low	23.48	PASS
Band12	5MHz	23095	16QAM	1	5	Low	23.51	PASS
Band12	5MHz	23095	16QAM	6	0	Low	22.71	PASS
Band12	5MHz	23155	16QAM	1	0	High	23.41	PASS
Band12	5MHz	23155	16QAM	1	5	High	23.75	PASS
Band12	5MHz	23155	16QAM	6	0	High	22.66	PASS
Band12	10MHz	23060	QPSK	1	0	Low	23.59	PASS
Band12	10MHz	23060	QPSK	1	5	Low	23.77	PASS
Band12	10MHz	23060	QPSK	6	0	Low	22.76	PASS
Band12	10MHz	23095	QPSK	1	0	Low	23.54	PASS
Band12	10MHz	23095	QPSK	1	5	Low	23.82	PASS
Band12	10MHz	23095	QPSK	6	0	Low	22.65	PASS
Band12	10MHz	23130	QPSK	1	0	High	23.54	PASS
Band12	10MHz	23130	QPSK	1	5	High	23.68	PASS
Band12	10MHz	23130	QPSK	6	0	High	22.57	PASS
Band12	10MHz	23060	16QAM	1	0	Low	23.47	PASS
Band12	10MHz	23060	16QAM	1	5	Low	23.79	PASS
Band12	10MHz	23060	16QAM	6	0	Low	22.77	PASS
Band12	10MHz	23095	16QAM	1	0	Low	23.42	PASS
Band12	10MHz	23095	16QAM	1	5	Low	23.54	PASS
Band12	10MHz	23095	16QAM	6	0	Low	22.66	PASS
Band12	10MHz	23130	16QAM	1	0	High	23.32	PASS
Band12	10MHz	23130	16QAM	1	5	High	23.77	PASS
Band12	10MHz	23130	16QAM	6	0	High	22.57	PASS

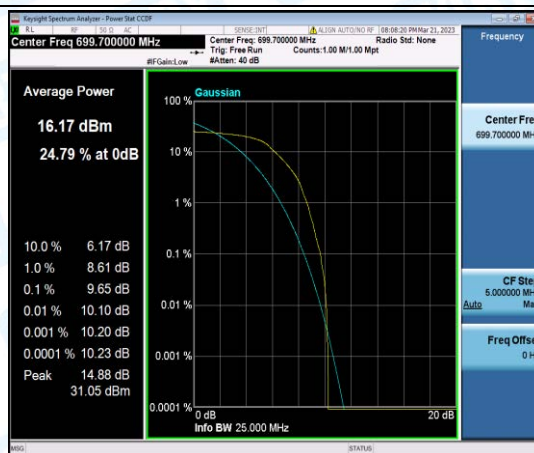
2: Peak-to-Average Ratio(CCDF) for M1

2.1 Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	23017	QPSK	1	0	Low	9.65	<=13	PASS
Band12	1.4MHz	23017	QPSK	6	0	Low	12.25	<=13	PASS
Band12	1.4MHz	23095	QPSK	1	0	Low	7.85	<=13	PASS
Band12	1.4MHz	23095	QPSK	6	0	Low	9.53	<=13	PASS
Band12	1.4MHz	23173	QPSK	1	0	High	8.26	<=13	PASS
Band12	1.4MHz	23173	QPSK	6	0	High	8.98	<=13	PASS
Band12	1.4MHz	23017	16QAM	1	0	Low	10.44	<=13	PASS
Band12	1.4MHz	23017	16QAM	6	0	Low	9.77	<=13	PASS
Band12	1.4MHz	23095	16QAM	1	0	Low	10.16	<=13	PASS
Band12	1.4MHz	23095	16QAM	6	0	Low	9.55	<=13	PASS
Band12	1.4MHz	23173	16QAM	1	0	High	10.48	<=13	PASS
Band12	1.4MHz	23173	16QAM	6	0	High	11.87	<=13	PASS
Band12	3MHz	23025	QPSK	1	0	Low	9.64	<=13	PASS
Band12	3MHz	23025	QPSK	6	0	Low	10.03	<=13	PASS
Band12	3MHz	23095	QPSK	1	0	Low	10.50	<=13	PASS
Band12	3MHz	23095	QPSK	6	0	Low	8.72	<=13	PASS
Band12	3MHz	23165	QPSK	1	0	High	9.27	<=13	PASS
Band12	3MHz	23165	QPSK	6	0	High	9.96	<=13	PASS
Band12	3MHz	23025	16QAM	1	0	Low	11.83	<=13	PASS
Band12	3MHz	23025	16QAM	6	0	Low	10.39	<=13	PASS
Band12	3MHz	23095	16QAM	1	0	Low	10.38	<=13	PASS
Band12	3MHz	23095	16QAM	6	0	Low	9.75	<=13	PASS
Band12	3MHz	23165	16QAM	1	0	High	10.41	<=13	PASS
Band12	3MHz	23165	16QAM	6	0	High	9.85	<=13	PASS
Band12	5MHz	23035	QPSK	1	0	Low	8.31	<=13	PASS
Band12	5MHz	23035	QPSK	6	0	Low	10.43	<=13	PASS
Band12	5MHz	23095	QPSK	1	0	Low	8.64	<=13	PASS
Band12	5MHz	23095	QPSK	6	0	Low	10.05	<=13	PASS
Band12	5MHz	23155	QPSK	1	0	High	8.90	<=13	PASS
Band12	5MHz	23155	QPSK	6	0	High	8.82	<=13	PASS
Band12	5MHz	23035	16QAM	1	0	Low	10.75	<=13	PASS
Band12	5MHz	23035	16QAM	6	0	Low	10.18	<=13	PASS
Band12	5MHz	23095	16QAM	1	0	Low	10.67	<=13	PASS
Band12	5MHz	23095	16QAM	6	0	Low	9.61	<=13	PASS
Band12	5MHz	23155	16QAM	1	0	High	10.08	<=13	PASS
Band12	5MHz	23155	16QAM	6	0	High	8.75	<=13	PASS
Band12	10MHz	23060	QPSK	1	0	Low	9.62	<=13	PASS
Band12	10MHz	23060	QPSK	6	0	Low	8.58	<=13	PASS
Band12	10MHz	23095	QPSK	1	0	Low	9.27	<=13	PASS
Band12	10MHz	23095	QPSK	6	0	Low	9.84	<=13	PASS
Band12	10MHz	23130	QPSK	1	0	High	9.04	<=13	PASS

Band12	10MHz	23130	QPSK	6	0	High	9.26	<=13	PASS
Band12	10MHz	23060	16QAM	1	0	Low	10.61	<=13	PASS
Band12	10MHz	23060	16QAM	6	0	Low	9.65	<=13	PASS
Band12	10MHz	23095	16QAM	1	0	Low	9.97	<=13	PASS
Band12	10MHz	23095	16QAM	6	0	Low	9.31	<=13	PASS
Band12	10MHz	23130	16QAM	1	0	High	11.66	<=13	PASS
Band12	10MHz	23130	16QAM	6	0	High	9.60	<=13	PASS

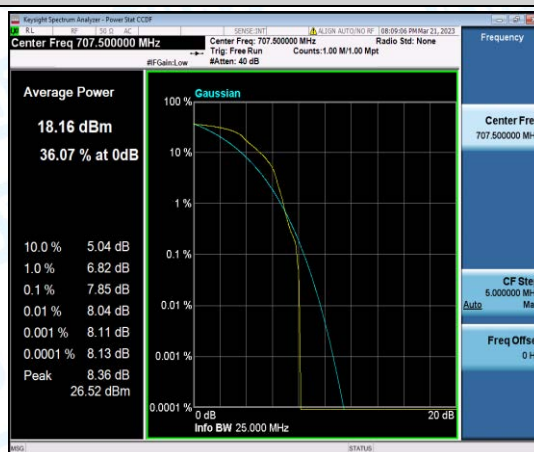
2.2 Test Graphs



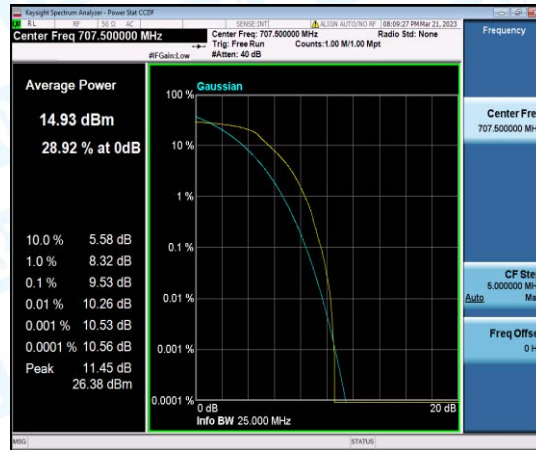
Band12-1.4MHz-QPSK-23017-1-0-Low-9.65-<=13-PASS



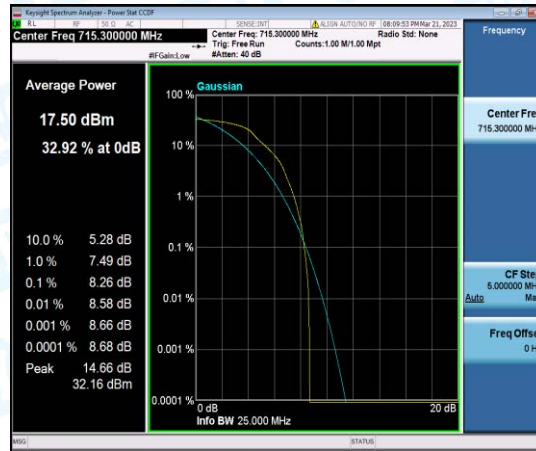
Band12-1.4MHz-QPSK-23017-6-0-Low-12.25-<=13-PASS



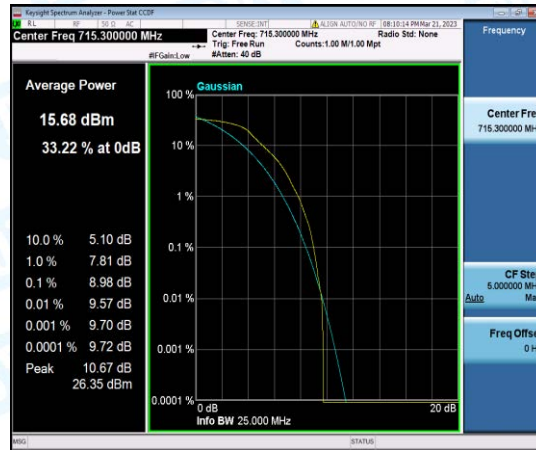
Band12-1.4MHz-QPSK-23095-1-0-Low-7.85-<=13-PASS



Band12-1.4MHz-QPSK-23095-6-0-Low-9.53-<=13-PASS



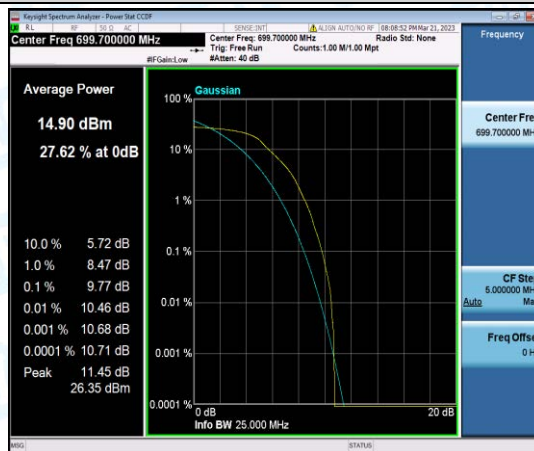
Band12-1.4MHz-QPSK-23173-1-0-High-8.26-<=13-PASS



Band12-1.4MHz-QPSK-23173-6-0-High-8.98-<=13-PASS



Band12-1.4MHz-16QAM-23017-1-0-Low-10.44-<=13-PASS



Band12-1.4MHz-16QAM-23017-6-0-Low-9.77-<=13-PASS



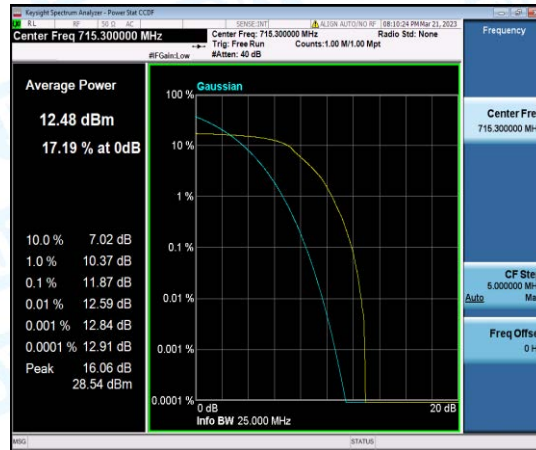
Band12-1.4MHz-16QAM-23095-1-0-Low-10.16-<=13-PASS



Band12-1.4MHz-16QAM-23095-6-0-Low-9.55-<=13-PASS



Band12-1.4MHz-16QAM-23173-1-0-High-10.48-<=13-PASS



Band12-1.4MHz-16QAM-23173-6-0-High-11.87-<=13-PASS



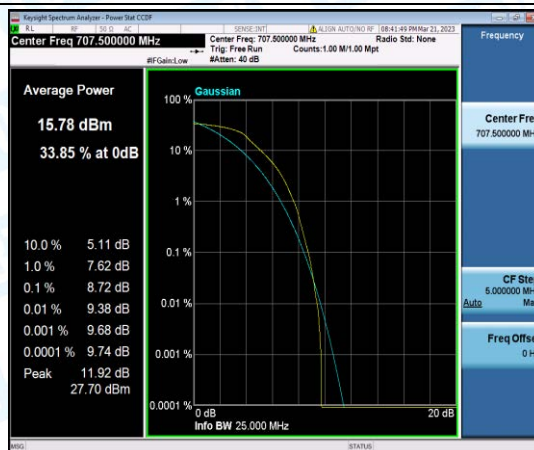
Band12-3MHz-QPSK-23025-1-0-Low-9.64-<=13-PASS



Band12-3MHz-QPSK-23025-6-0-Low-10.03-<=13-PASS



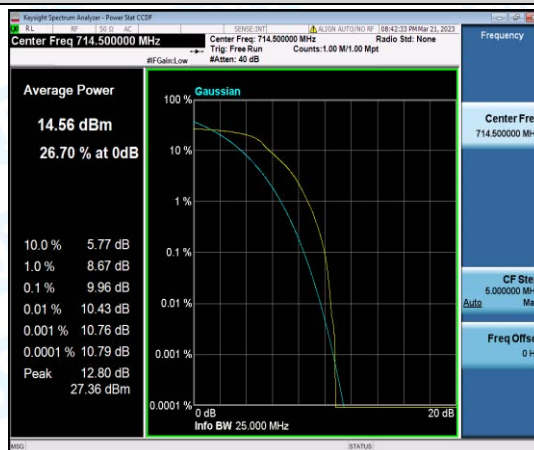
Band12-3MHz-QPSK-23095-1-0-Low-10.50-<=13-PASS



Band12-3MHz-QPSK-23095-6-0-Low-8.72-<=13-PASS



Band12-3MHz-QPSK-23165-1-0-High-9.27-<=13-PASS



Band12-3MHz-QPSK-23165-6-0-High-9.96-<=13-PASS



Band12-3MHz-16QAM-23025-1-0-Low-11.83-<=13-PASS



Band12-3MHz-16QAM-23025-6-0-Low-10.39-<=13-PASS



Band12-3MHz-16QAM-23095-1-0-Low-10.38-<=13-PASS



Band12-3MHz-16QAM-23095-6-0-Low-9.75-<=13-PASS



Band12-3MHz-16QAM-23165-1-0-High-10.41-<=13-PASS



Band12-3MHz-16QAM-23165-6-0-High-9.85-<=13-PASS



Band12-5MHz-QPSK-23035-1-0-Low-8.31-<=13-PASS



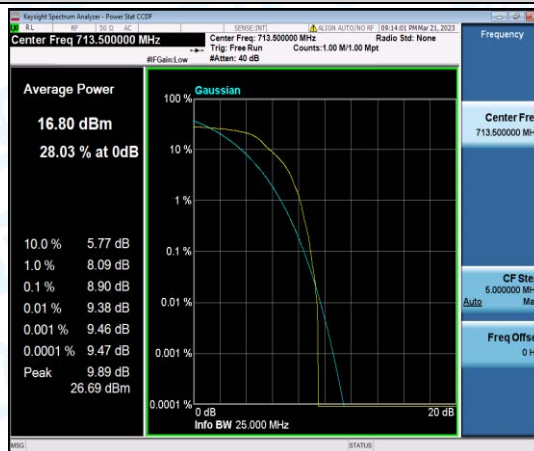
Band12-5MHz-QPSK-23035-6-0-Low-10.43-<=13-PASS



Band12-5MHz-QPSK-23095-1-0-Low-8.64-<=13-PASS



Band12-5MHz-QPSK-23095-6-0-Low-10.05-<=13-PASS



Band12-5MHz-QPSK-23155-1-0-High-8.90-<=13-PASS



Band12-5MHz-QPSK-23155-6-0-High-8.82-<=13-PASS



Band12-5MHz-16QAM-23035-1-0-Low-10.75-<=13-PASS



Band12-5MHz-16QAM-23035-6-0-Low-10.18-<=13-PASS



Band12-5MHz-16QAM-23095-1-0-Low-10.67-<=13-PASS



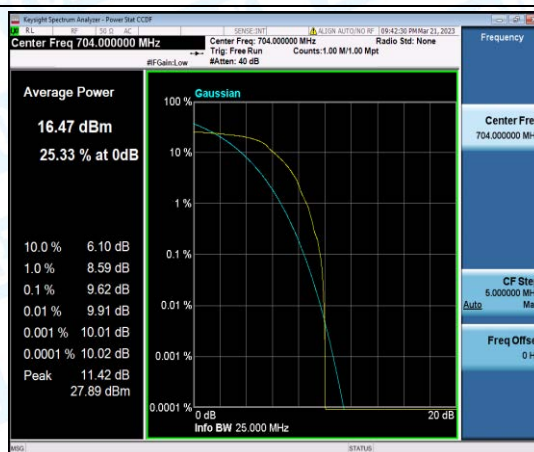
Band12-5MHz-16QAM-23095-6-0-Low-9.61-<=13-PASS



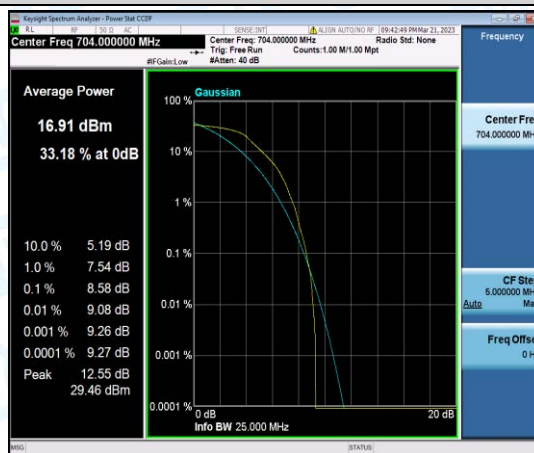
Band12-5MHz-16QAM-23155-1-0-High-10.08-<=13-PASS



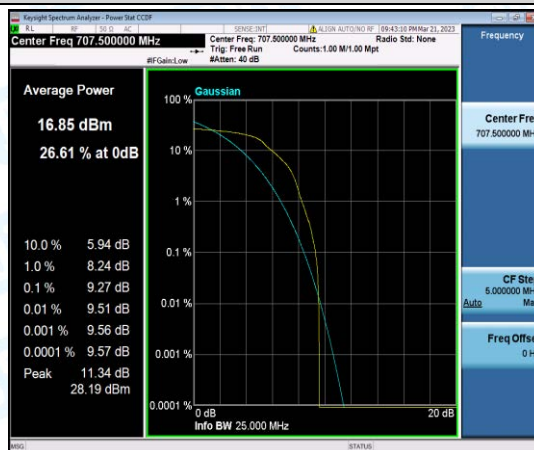
Band12-5MHz-16QAM-23155-6-0-High-8.75-<=13-PASS



Band12-10MHz-QPSK-23060-1-0-Low-9.62-<=13-PASS



Band12-10MHz-QPSK-23060-6-0-Low-8.58-<=13-PASS



Band12-10MHz-QPSK-23095-1-0-Low-9.27-<=13-PASS



Band12-10MHz-QPSK-23095-6-0-Low-9.84-<=13-PASS



Band12-10MHz-QPSK-23130-1-0-High-9.04-<=13-PASS



Band12-10MHz-QPSK-23130-6-0-High-9.26-<=13-PASS



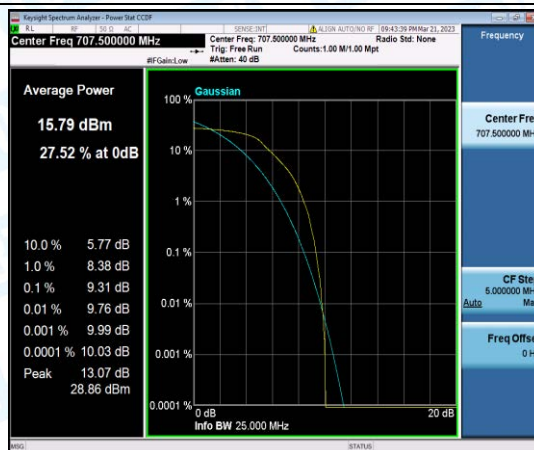
Band12-10MHz-16QAM-23060-1-0-Low-10.61-<=13-PASS



Band12-10MHz-16QAM-23060-6-0-Low-9.65-<=13-PASS



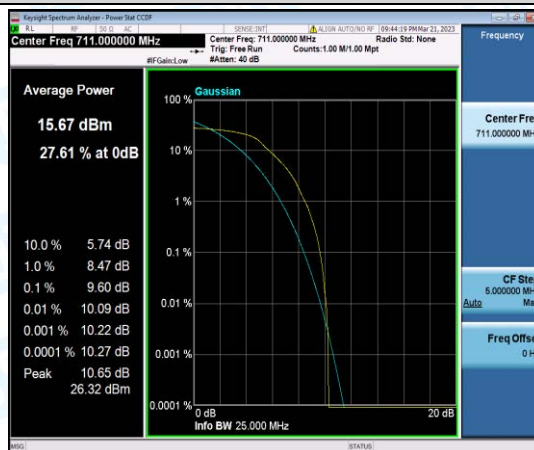
Band12-10MHz-16QAM-23095-1-0-Low-9.97-<=13-PASS



Band12-10MHz-16QAM-23095-6-0-Low-9.31-<=13-PASS



Band12-10MHz-16QAM-23130-1-0-High-11.66-<=13-PASS



Band12-10MHz-16QAM-23130-6-0-High-9.60-<=13-PASS

3: 26dB Bandwidth and Occupied Bandwidth for M1

3.1 Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NB Index	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	23017	QPSK	6	0	Low	1.1018	1.337	PASS
Band12	1.4MHz	23095	QPSK	6	0	Low	1.1030	1.333	PASS
Band12	1.4MHz	23173	QPSK	6	0	High	1.1110	1.364	PASS
Band12	1.4MHz	23017	16QAM	6	0	Low	1.1030	1.333	PASS
Band12	1.4MHz	23095	16QAM	6	0	Low	1.1016	1.332	PASS
Band12	1.4MHz	23173	16QAM	6	0	High	1.1107	1.359	PASS
Band12	3MHz	23025	QPSK	6	0	Low	1.1320	1.438	PASS
Band12	3MHz	23095	QPSK	6	0	Low	1.1450	1.428	PASS
Band12	3MHz	23165	QPSK	6	0	High	1.1362	1.421	PASS
Band12	3MHz	23025	16QAM	6	0	Low	1.1336	1.437	PASS
Band12	3MHz	23095	16QAM	6	0	Low	1.1366	1.398	PASS
Band12	3MHz	23165	16QAM	6	0	High	1.1390	1.418	PASS
Band12	5MHz	23035	QPSK	6	0	Low	1.2148	1.494	PASS
Band12	5MHz	23095	QPSK	6	0	Low	1.2151	1.628	PASS
Band12	5MHz	23155	QPSK	6	0	High	1.2074	1.533	PASS
Band12	5MHz	23035	16QAM	6	0	Low	1.2150	1.548	PASS
Band12	5MHz	23095	16QAM	6	0	Low	1.2086	1.650	PASS
Band12	5MHz	23155	16QAM	6	0	High	1.2145	1.536	PASS
Band12	10MHz	23060	QPSK	6	0	Low	1.3619	1.801	PASS
Band12	10MHz	23095	QPSK	6	0	Low	1.3755	1.898	PASS
Band12	10MHz	23130	QPSK	6	0	High	1.3674	1.862	PASS
Band12	10MHz	23060	16QAM	6	0	Low	1.3580	1.740	PASS
Band12	10MHz	23095	16QAM	6	0	Low	1.3801	1.907	PASS
Band12	10MHz	23130	16QAM	6	0	High	1.3712	1.814	PASS

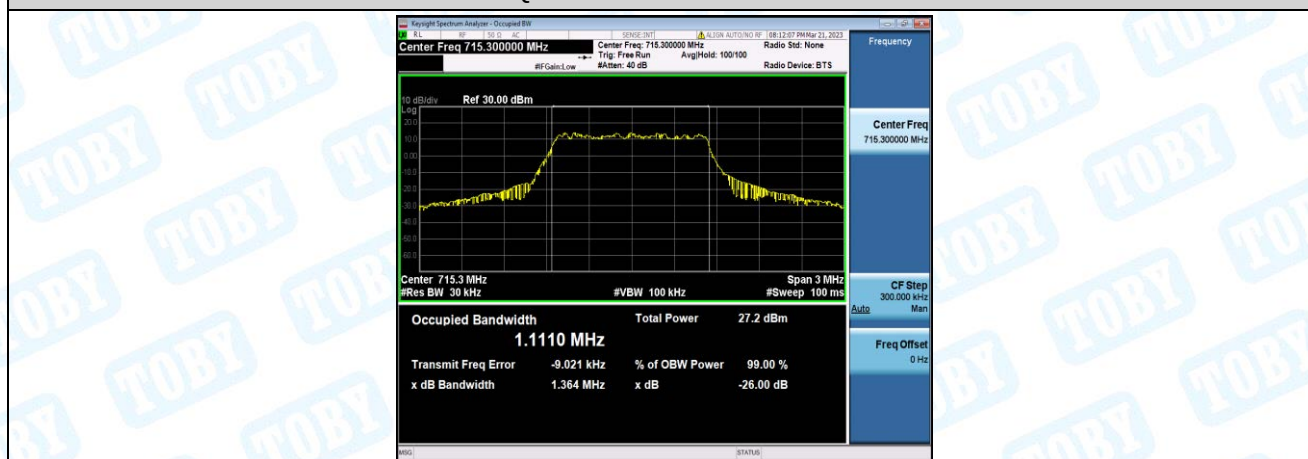
3.2 Test Graphs



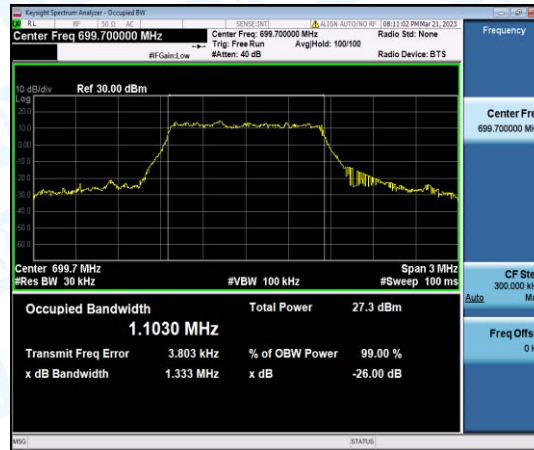
Band12-1.4MHz-QPSK-23017-6-0-Low-1.1018-1.337-PASS



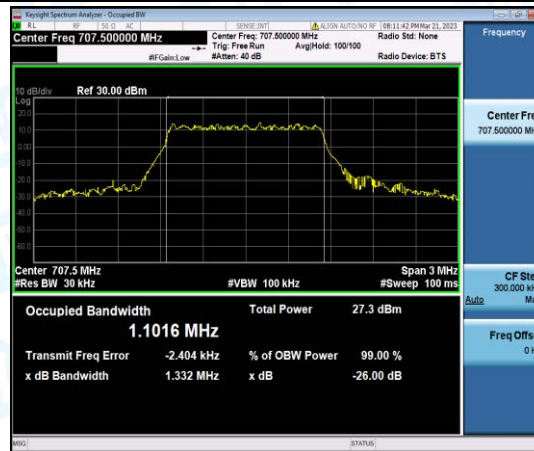
Band12-1.4MHz-QPSK-23095-6-0-Low-1.1030-1.333-PASS



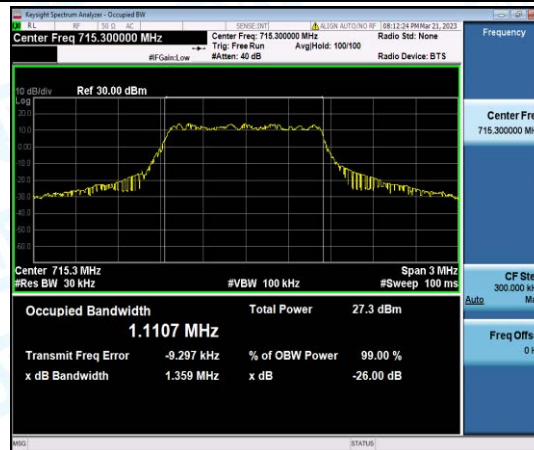
Band12-1.4MHz-QPSK-23173-6-0-High-1.1110-1.364-PASS



Band12-1.4MHz-16QAM-23017-6-0-Low-1.1030-1.333-PASS



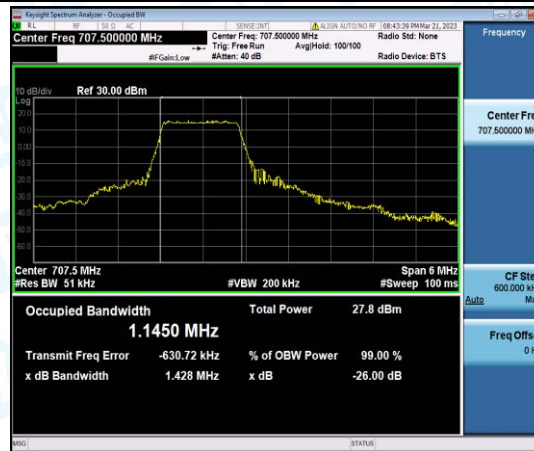
Band12-1.4MHz-16QAM-23095-6-0-Low-1.1016-1.332-PASS



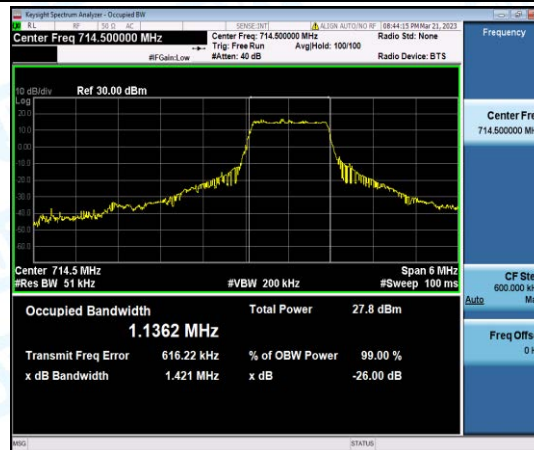
Band12-1.4MHz-16QAM-23173-6-0-High-1.1107-1.359-PASS



Band12-3MHz-QPSK-23025-6-0-Low-1.1320-1.438-PASS



Band12-3MHz-QPSK-23095-6-0-Low-1.1450-1.428-PASS



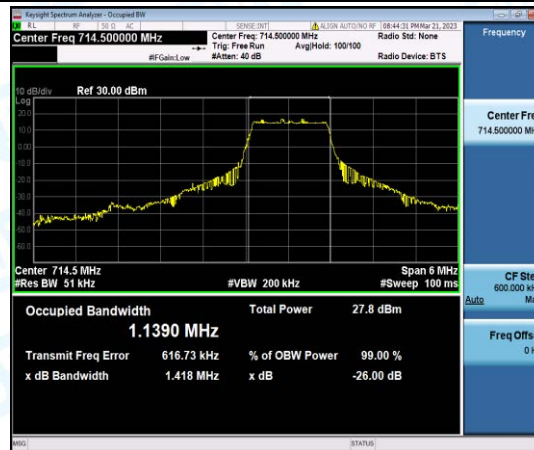
Band12-3MHz-QPSK-23165-6-0-High-1.1362-1.421-PASS



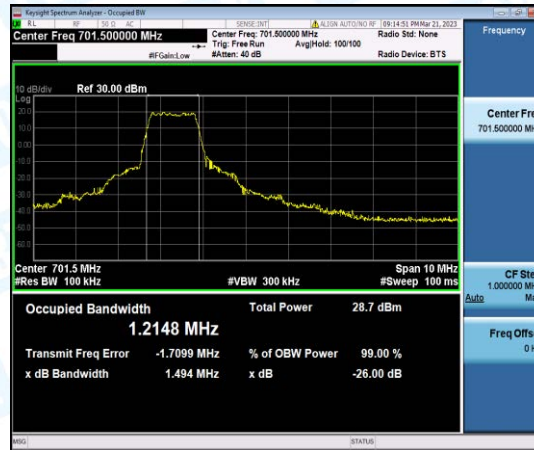
Band12-3MHz-16QAM-23025-6-0-Low-1.1336-1.437-PASS



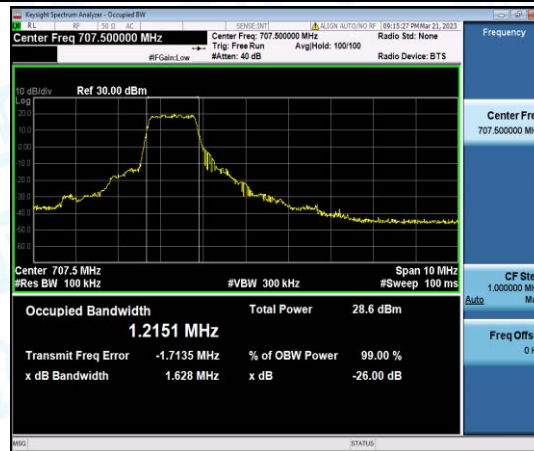
Band12-3MHz-16QAM-23095-6-0-Low-1.1366-1.398-PASS



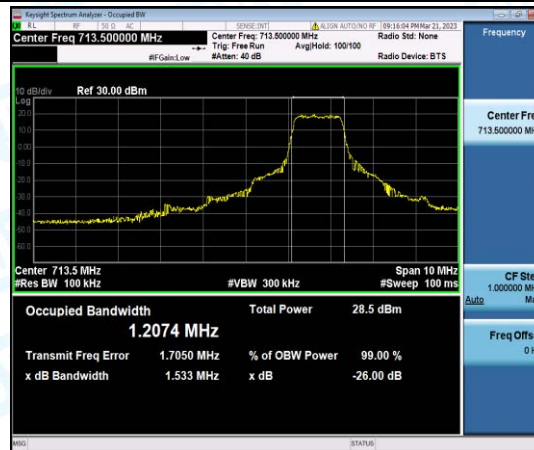
Band12-3MHz-16QAM-23165-6-0-High-1.1390-1.418-PASS



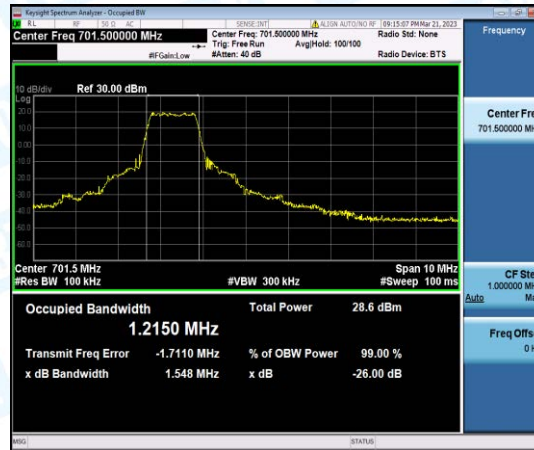
Band12-5MHz-QPSK-23035-6-0-Low-1.2148-1.494-PASS



Band12-5MHz-QPSK-23095-6-0-Low-1.2151-1.628-PASS



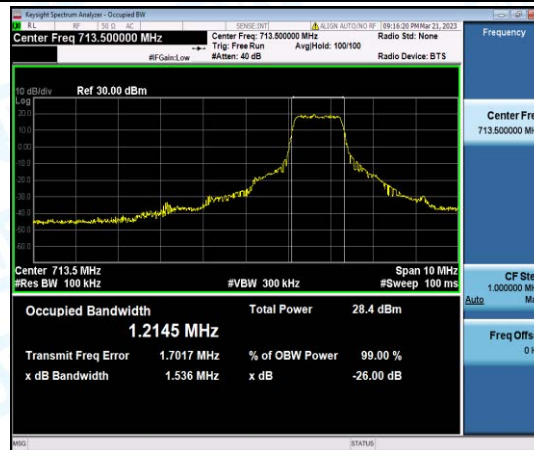
Band12-5MHz-QPSK-23155-6-0-High-1.2074-1.533-PASS



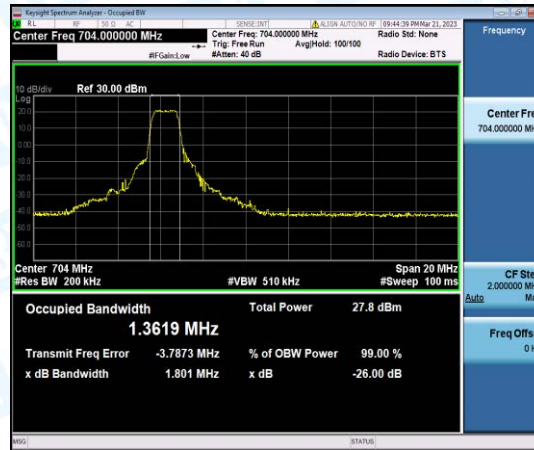
Band12-5MHz-16QAM-23035-6-0-Low-1.2150-1.548-PASS



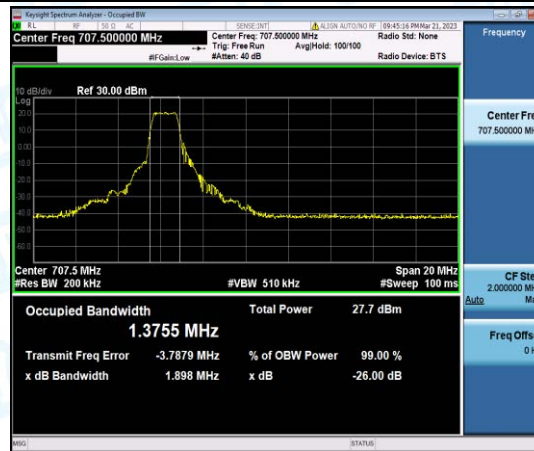
Band12-5MHz-16QAM-23095-6-0-Low-1.2086-1.650-PASS



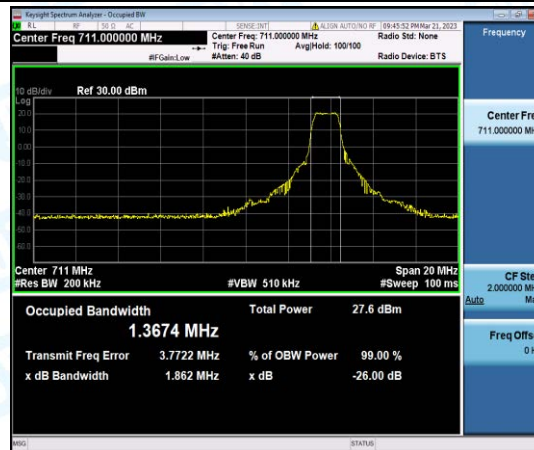
Band12-5MHz-16QAM-23155-6-0-High-1.2145-1.536-PASS



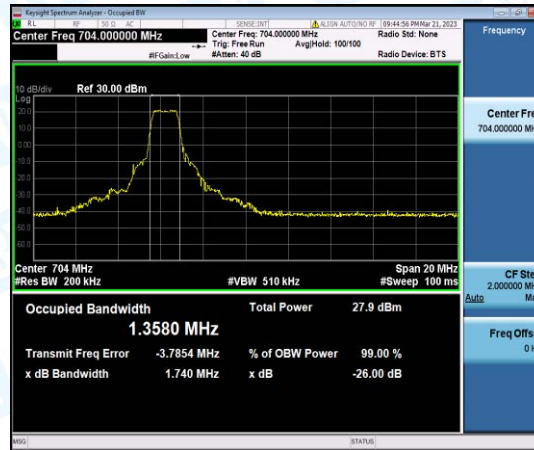
Band12-10MHz-QPSK-23060-6-0-Low-1.3619-1.801-PASS



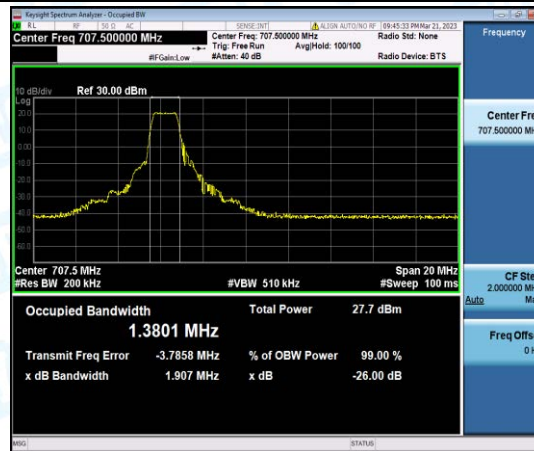
Band12-10MHz-QPSK-23095-6-0-Low-1.3755-1.898-PASS



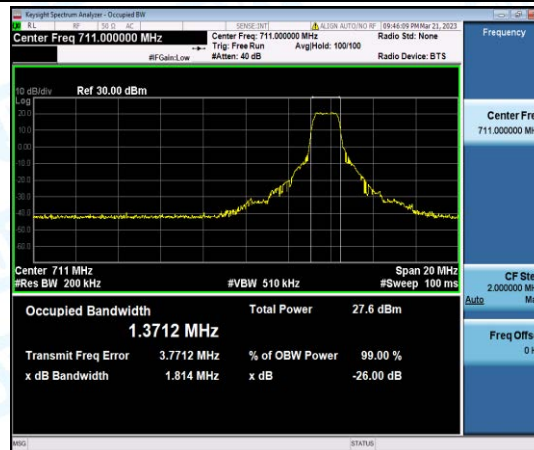
Band12-10MHz-QPSK-23130-6-0-High-1.3674-1.862-PASS



Band12-10MHz-16QAM-23060-6-0-Low-1.3580-1.740-PASS



Band12-10MHz-16QAM-23095-6-0-Low-1.3801-1.907-PASS



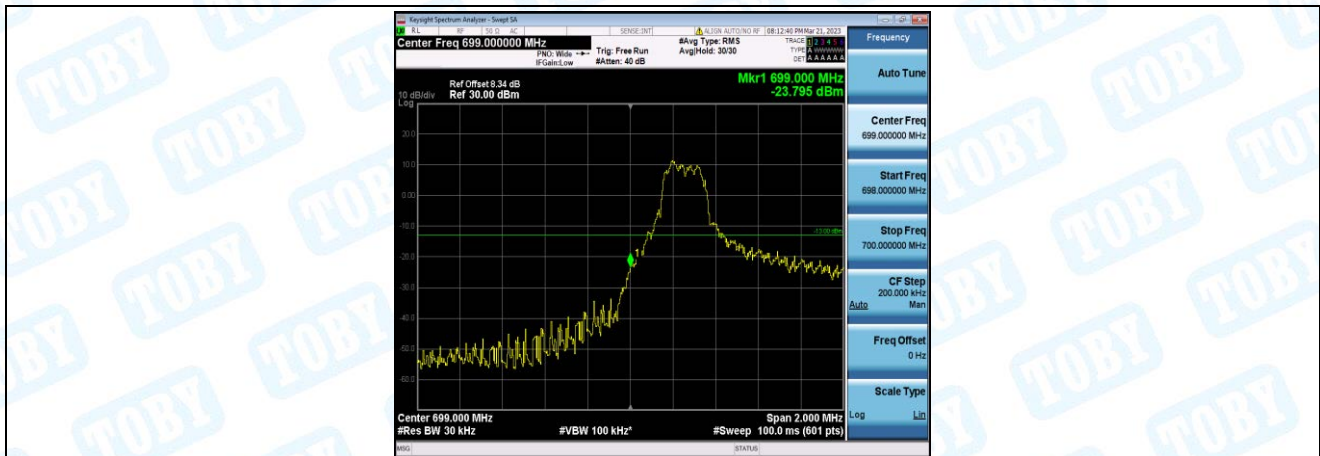
Band12-10MHz-16QAM-23130-6-0-High-1.3712-1.814-PASS

4: Band Edge for M1

4.1 Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NB Index	Result(dBm)	Verdict
Band12	1.4MHz	23017	QPSK	1	0	Low	-23.80	PASS
Band12	1.4MHz	23017	QPSK	6	0	Low	-31.69	PASS
Band12	1.4MHz	23173	QPSK	1	0	High	-37.06	PASS
Band12	1.4MHz	23173	QPSK	6	0	High	-33.10	PASS
Band12	1.4MHz	23017	16QAM	1	0	Low	-24.66	PASS
Band12	1.4MHz	23017	16QAM	6	0	Low	-30.12	PASS
Band12	1.4MHz	23173	16QAM	1	0	High	-35.95	PASS
Band12	1.4MHz	23173	16QAM	6	0	High	-32.17	PASS
Band12	3MHz	23025	QPSK	1	0	Low	-34.90	PASS
Band12	3MHz	23025	QPSK	6	0	Low	-35.85	PASS
Band12	3MHz	23165	QPSK	1	0	High	-37.68	PASS
Band12	3MHz	23165	QPSK	6	0	High	-35.24	PASS
Band12	3MHz	23025	16QAM	1	0	Low	-31.78	PASS
Band12	3MHz	23025	16QAM	6	0	Low	-35.88	PASS
Band12	3MHz	23165	16QAM	1	0	High	-38.65	PASS
Band12	3MHz	23165	16QAM	6	0	High	-35.52	PASS
Band12	5MHz	23035	QPSK	1	0	Low	-26.77	PASS
Band12	5MHz	23035	QPSK	6	0	Low	-30.14	PASS
Band12	5MHz	23155	QPSK	1	0	High	-35.83	PASS
Band12	5MHz	23155	QPSK	6	0	High	-28.34	PASS
Band12	5MHz	23035	16QAM	1	0	Low	-26.48	PASS
Band12	5MHz	23035	16QAM	6	0	Low	-29.52	PASS
Band12	5MHz	23155	16QAM	1	0	High	-33.11	PASS
Band12	5MHz	23155	16QAM	6	0	High	-28.23	PASS
Band12	10MHz	23060	QPSK	1	0	Low	-36.85	PASS
Band12	10MHz	23060	QPSK	6	0	Low	-31.18	PASS
Band12	10MHz	23130	QPSK	1	0	High	-32.85	PASS
Band12	10MHz	23130	QPSK	6	0	High	-30.32	PASS
Band12	10MHz	23060	16QAM	1	0	Low	-37.41	PASS
Band12	10MHz	23060	16QAM	6	0	Low	-30.63	PASS
Band12	10MHz	23130	16QAM	1	0	High	-31.23	PASS
Band12	10MHz	23130	16QAM	6	0	High	-30.19	PASS

4.2 Test Graphs



Band12-1.4MHz-QPSK-23017-1-0-Low--23.80-PASS



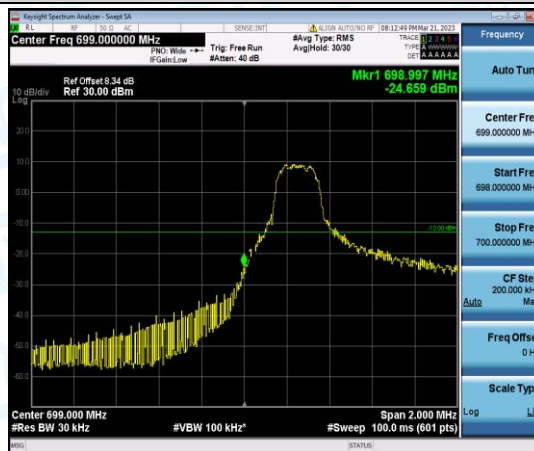
Band12-1.4MHz-QPSK-23017-6-0-Low--31.69-PASS



Band12-1.4MHz-QPSK-23173-1-0-High--37.06-PASS



Band12-1.4MHz-QPSK-23173-6-0-High--33.10-PASS



Band12-1.4MHz-16QAM-23017-1-0-Low--24.66-PASS



Band12-1.4MHz-16QAM-23017-6-0-Low--30.12-PASS



Band12-1.4MHz-16QAM-23173-1-0-High--35.95-PASS



Band12-1.4MHz-16QAM-23173-6-0-High--32.17-PASS



Band12-3MHz-QPSK-23025-1-0-Low--34.90-PASS