

## **Appendix for Band 12**

Product Name: Battery Monitor System

Model No: BMS04

## Appendix A: Average Power Output Data

### Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Conducted Power(dBm)	Verdict
Band12	5MHz	23035	QPSK	1	0	Low	18.90	PASS
Band12	5MHz	23035	QPSK	1	5	Low	18.86	PASS
Band12	5MHz	23035	QPSK	6	0	Low	17.96	PASS
Band12	5MHz	23095	QPSK	1	0	Low	18.04	PASS
Band12	5MHz	23095	QPSK	1	5	Low	17.97	PASS
Band12	5MHz	23095	QPSK	6	0	Low	17.10	PASS
Band12	5MHz	23155	QPSK	1	0	High	18.03	PASS
Band12	5MHz	23155	QPSK	1	5	High	17.95	PASS
Band12	5MHz	23155	QPSK	6	0	High	17.03	PASS
Band12	5MHz	23035	16QAM	1	0	Low	18.56	PASS
Band12	5MHz	23035	16QAM	1	5	Low	17.47	PASS
Band12	5MHz	23035	16QAM	6	0	Low	16.95	PASS
Band12	5MHz	23095	16QAM	1	0	Low	18.04	PASS
Band12	5MHz	23095	16QAM	1	5	Low	17.93	PASS
Band12	5MHz	23095	16QAM	6	0	Low	17.10	PASS
Band12	5MHz	23155	16QAM	1	0	High	17.86	PASS
Band12	5MHz	23155	16QAM	1	5	High	17.83	PASS
Band12	5MHz	23155	16QAM	6	0	High	17.03	PASS
Band12	10MHz	23060	QPSK	1	0	Low	17.05	PASS
Band12	10MHz	23060	QPSK	1	5	Low	17.70	PASS
Band12	10MHz	23060	QPSK	6	0	Low	16.50	PASS
Band12	10MHz	23095	QPSK	1	0	Low	18.05	PASS
Band12	10MHz	23095	QPSK	1	5	Low	17.94	PASS
Band12	10MHz	23095	QPSK	6	0	Low	17.06	PASS
Band12	10MHz	23130	QPSK	1	0	High	18.01	PASS
Band12	10MHz	23130	QPSK	1	5	High	17.93	PASS
Band12	10MHz	23130	QPSK	6	0	High	17.02	PASS
Band12	10MHz	23060	16QAM	1	0	Low	16.83	PASS
Band12	10MHz	23060	16QAM	1	5	Low	17.54	PASS
Band12	10MHz	23060	16QAM	6	0	Low	16.49	PASS
Band12	10MHz	23095	16QAM	1	0	Low	17.80	PASS
Band12	10MHz	23095	16QAM	1	5	Low	17.87	PASS
Band12	10MHz	23095	16QAM	6	0	Low	17.05	PASS
Band12	10MHz	23130	16QAM	1	0	High	17.91	PASS
Band12	10MHz	23130	16QAM	1	5	High	17.64	PASS
Band12	10MHz	23130	16QAM	6	0	High	17.01	PASS

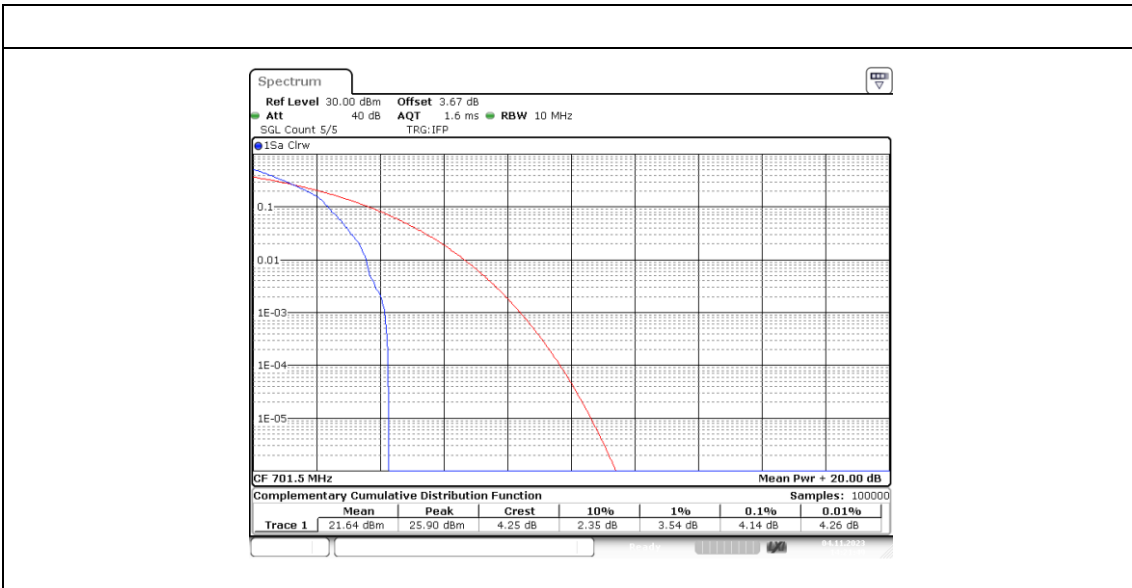


## Appendix B: Peak-to-Average Ratio(CCDF) for M1

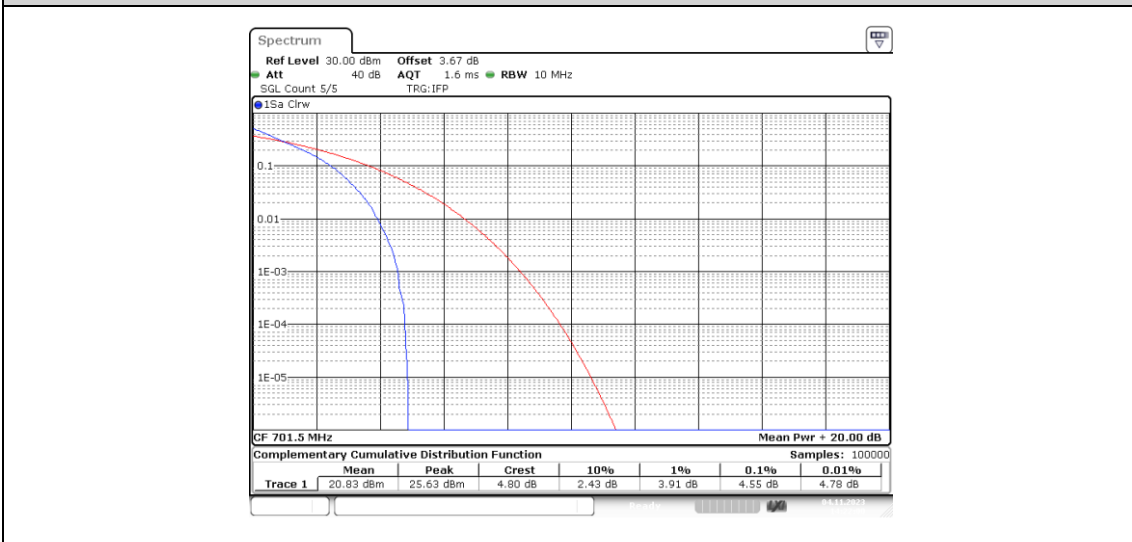
### Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band12	5MHz	23035	QPSK	1	0	Low	4.14	<=13	PASS
Band12	5MHz	23035	QPSK	6	0	Low	4.55	<=13	PASS
Band12	5MHz	23095	QPSK	1	0	Low	3.68	<=13	PASS
Band12	5MHz	23095	QPSK	6	0	Low	4.49	<=13	PASS
Band12	5MHz	23155	QPSK	1	0	High	3.77	<=13	PASS
Band12	5MHz	23155	QPSK	6	0	High	4.52	<=13	PASS
Band12	5MHz	23035	16QAM	1	0	Low	4.09	<=13	PASS
Band12	5MHz	23035	16QAM	6	0	Low	4.55	<=13	PASS
Band12	5MHz	23095	16QAM	1	0	Low	3.86	<=13	PASS
Band12	5MHz	23095	16QAM	6	0	Low	4.61	<=13	PASS
Band12	5MHz	23155	16QAM	1	0	High	4.06	<=13	PASS
Band12	5MHz	23155	16QAM	6	0	High	4.52	<=13	PASS
Band12	10MHz	23060	QPSK	1	0	Low	4.06	<=13	PASS
Band12	10MHz	23060	QPSK	6	0	Low	4.61	<=13	PASS
Band12	10MHz	23095	QPSK	1	0	Low	4.00	<=13	PASS
Band12	10MHz	23095	QPSK	6	0	Low	4.43	<=13	PASS
Band12	10MHz	23130	QPSK	1	0	High	4.00	<=13	PASS
Band12	10MHz	23130	QPSK	6	0	High	4.49	<=13	PASS
Band12	10MHz	23060	16QAM	1	0	Low	4.17	<=13	PASS
Band12	10MHz	23060	16QAM	6	0	Low	4.70	<=13	PASS
Band12	10MHz	23095	16QAM	1	0	Low	4.20	<=13	PASS
Band12	10MHz	23095	16QAM	6	0	Low	4.55	<=13	PASS
Band12	10MHz	23130	16QAM	1	0	High	4.32	<=13	PASS
Band12	10MHz	23130	16QAM	6	0	High	4.58	<=13	PASS

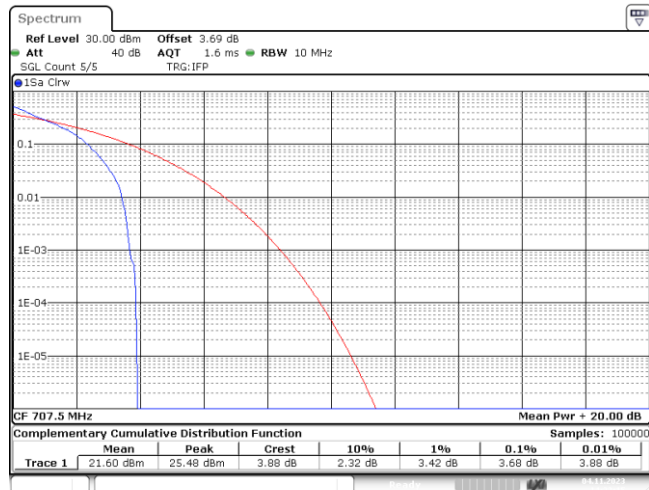
### Test Graphs



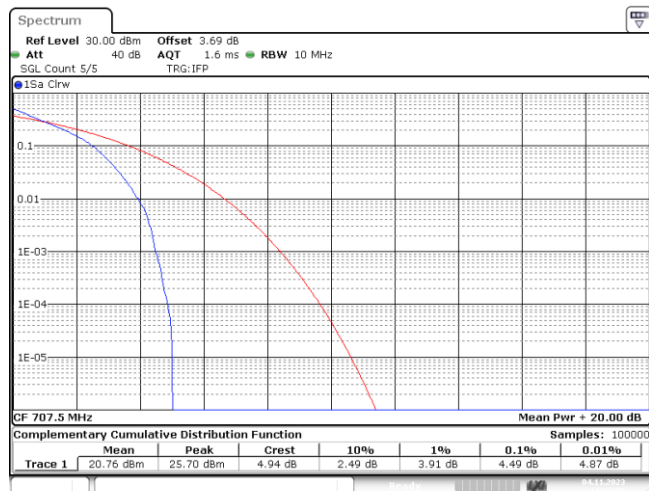
Band12-5MHz-QPSK-23035-1-0-Low-4.14-<=13-PASS



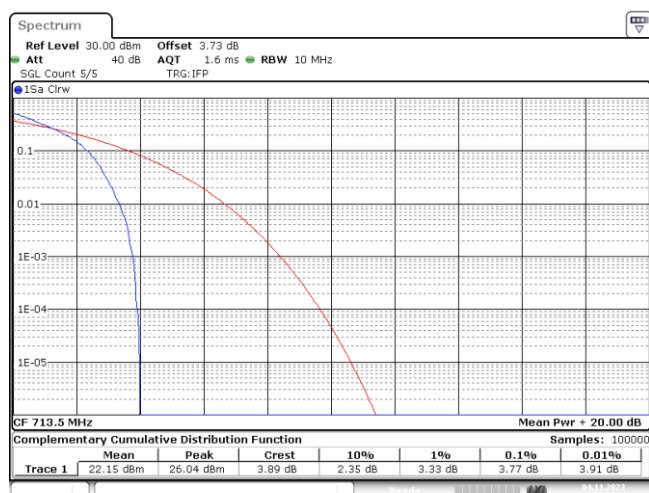
Band12-5MHz-QPSK-23035-6-0-Low-4.55-<=13-PASS



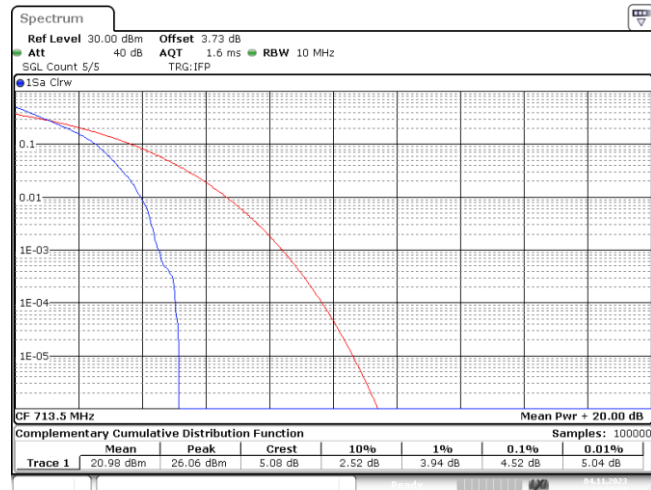
Band12-5MHz-QPSK-23095-1-0-Low-3.68-<=13-PASS



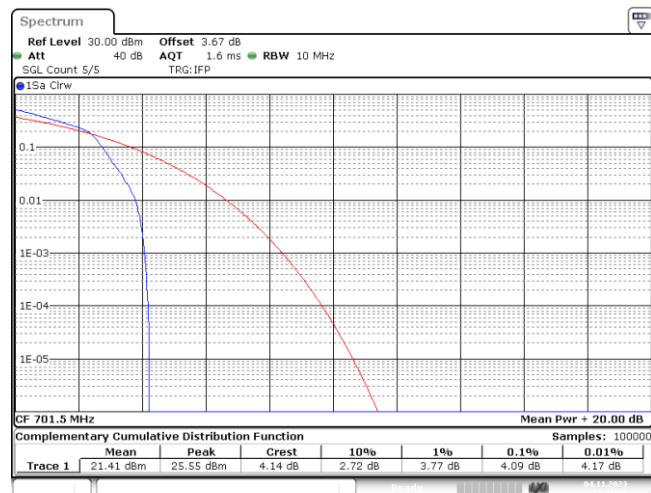
Band12-5MHz-QPSK-23095-6-0-Low-4.49-<=13-PASS



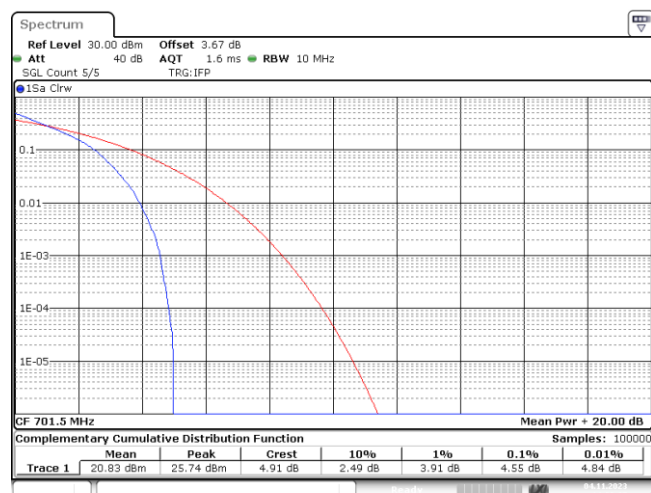
Band12-5MHz-QPSK-23155-1-0-High-3.77-<=13-PASS



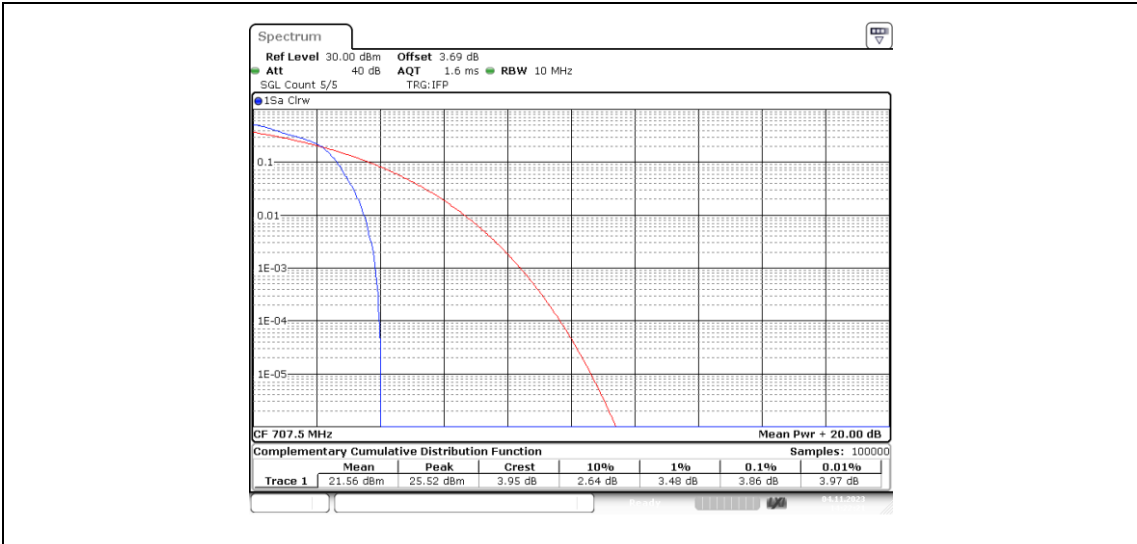
Band12-5MHz-QPSK-23155-6-0-High-4.52-<=13-PASS



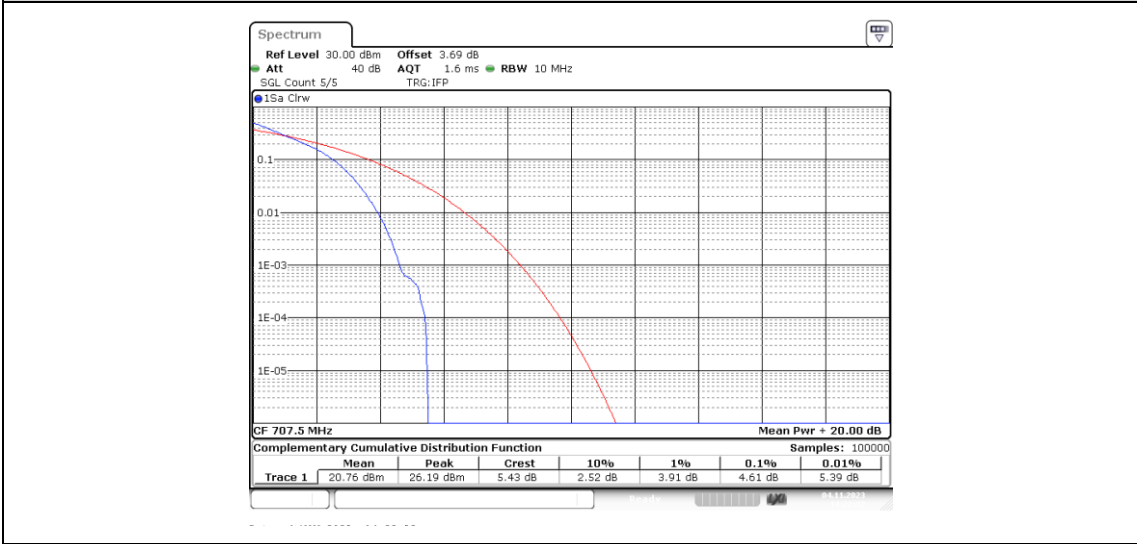
Band12-5MHz-16QAM-23035-1-0-Low-4.09-<=13-PASS



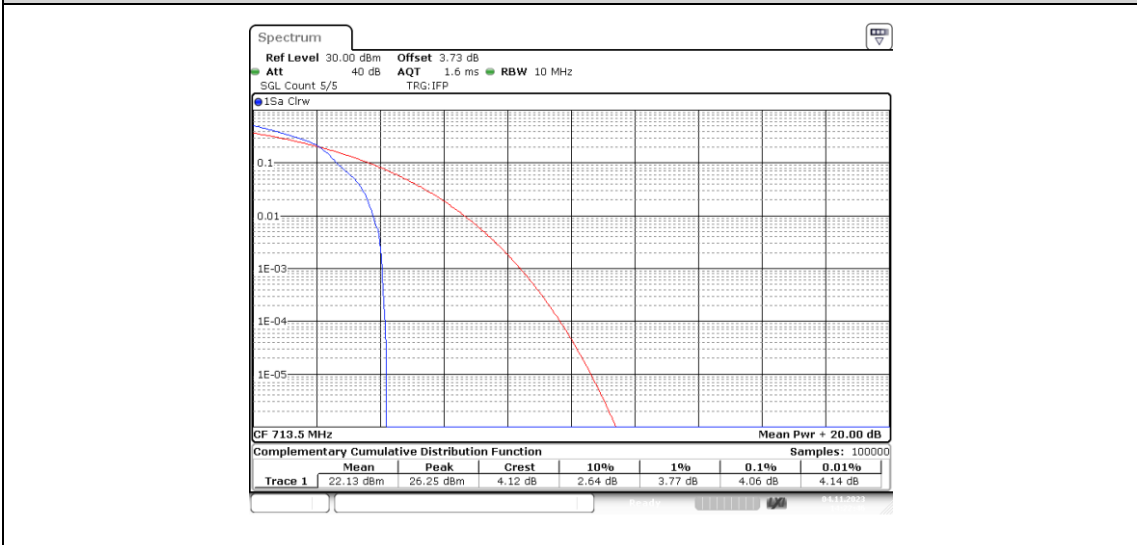
Band12-5MHz-16QAM-23035-6-0-Low-4.55-<=13-PASS



Band12-5MHz-16QAM-23095-1-0-Low-3.86-<=13-PASS

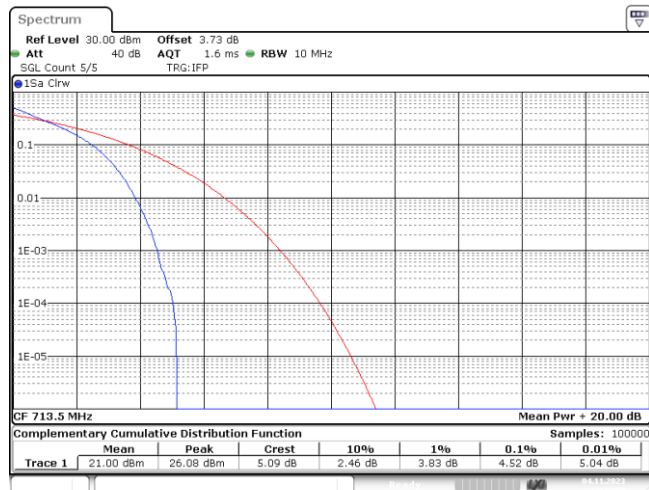


Band12-5MHz-16QAM-23095-6-0-Low-4.61-<=13-PASS

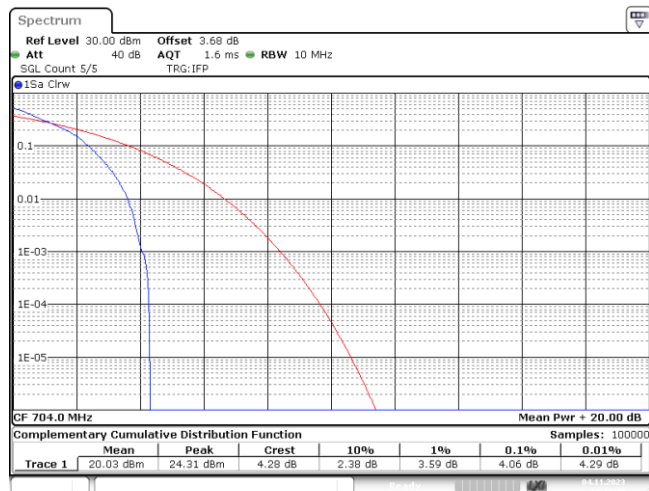


Band12-5MHz-16QAM-23155-1-0-High-4.06-<=13-PASS

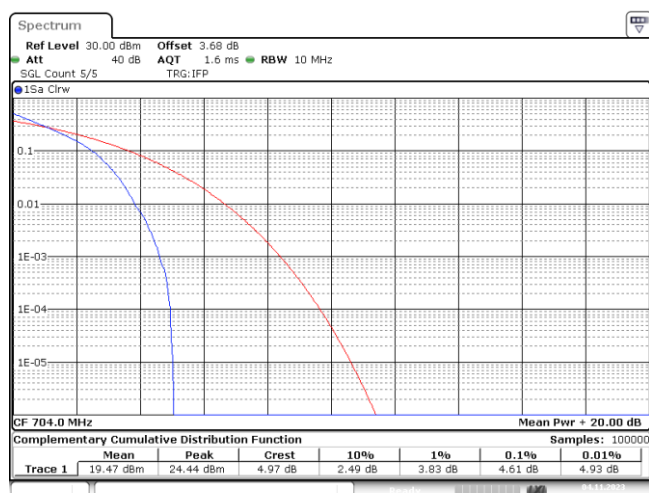




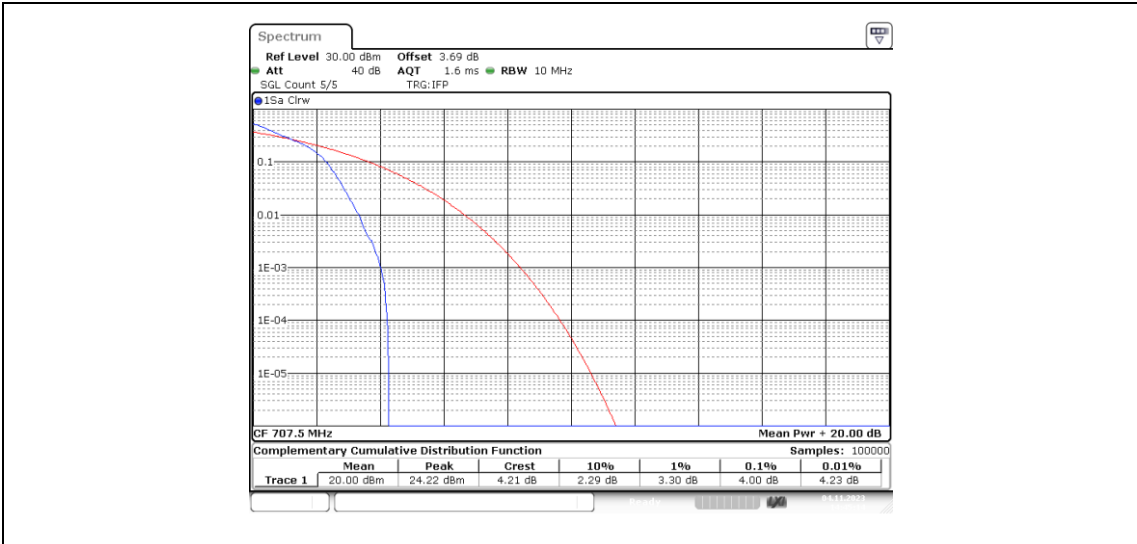
Band12-5MHz-16QAM-23155-6-0-High-4.52-<=13-PASS



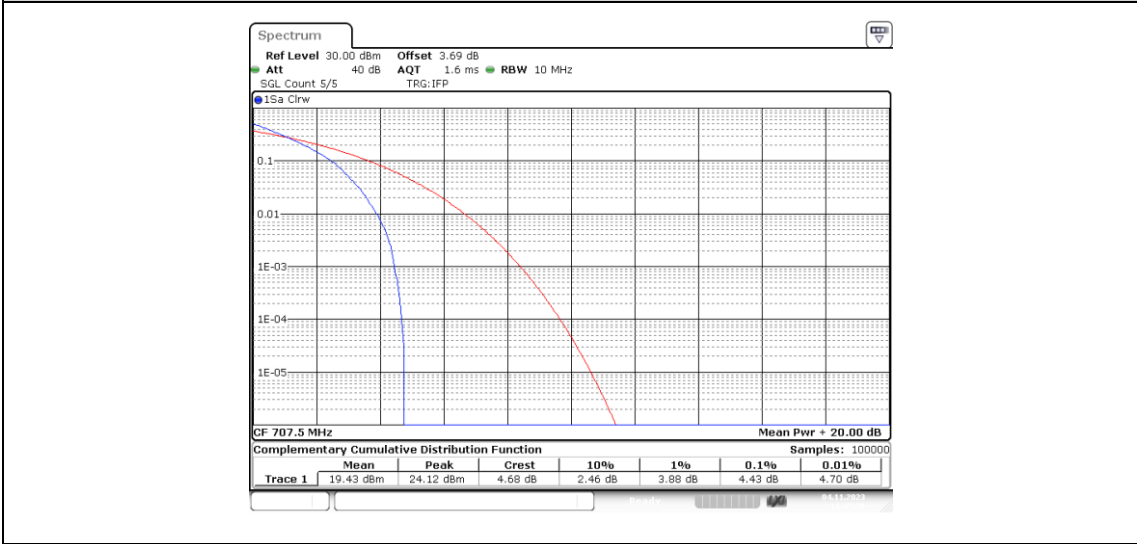
Band12-10MHz-QPSK-23060-1-0-Low-4.06-<=13-PASS



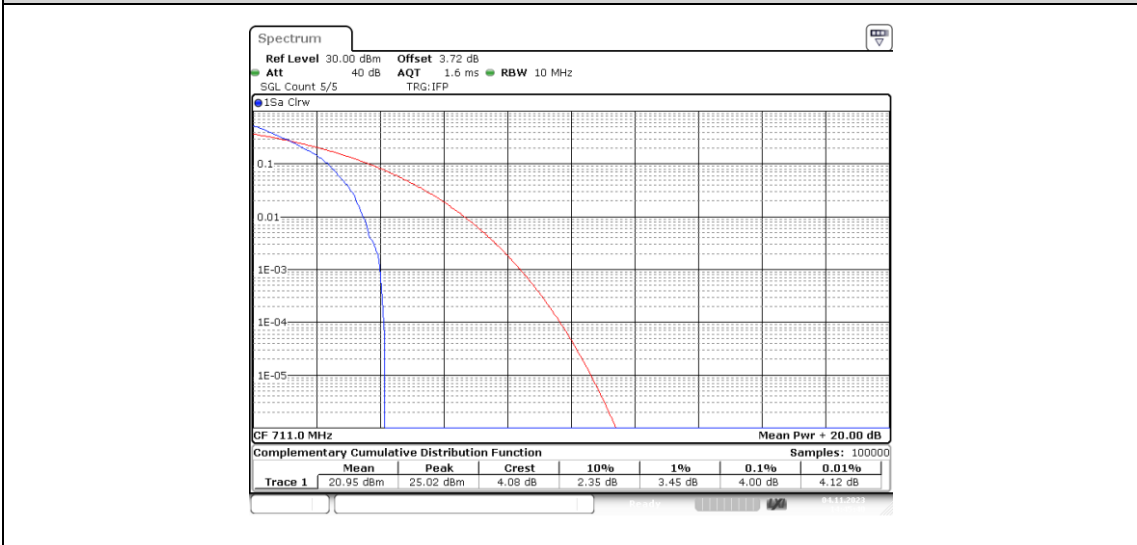
Band12-10MHz-QPSK-23060-6-0-Low-4.61-<=13-PASS



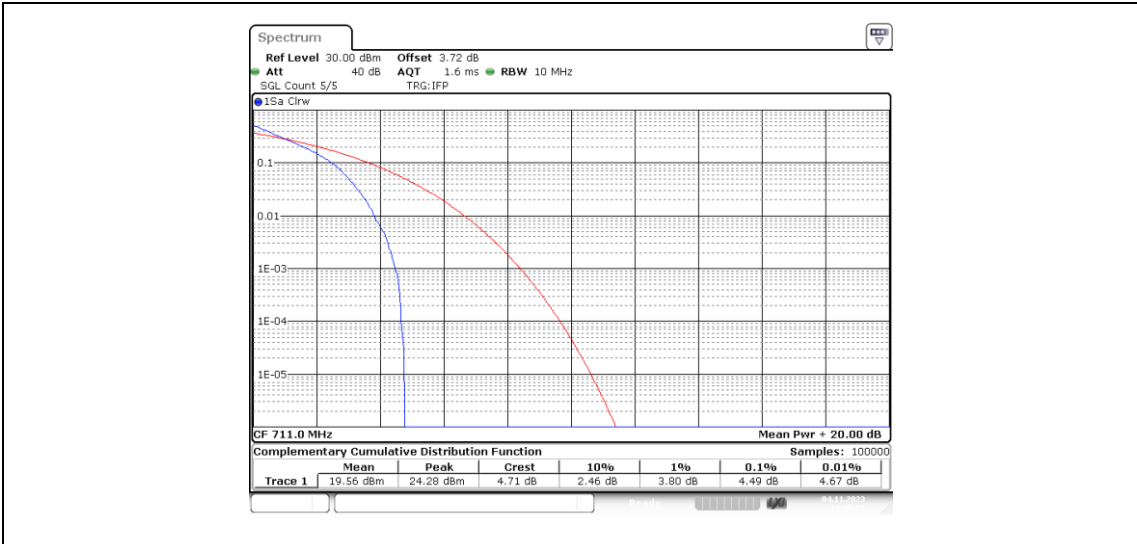
Band12-10MHz-QPSK-23095-1-0-Low-4.00-=<=13-PASS



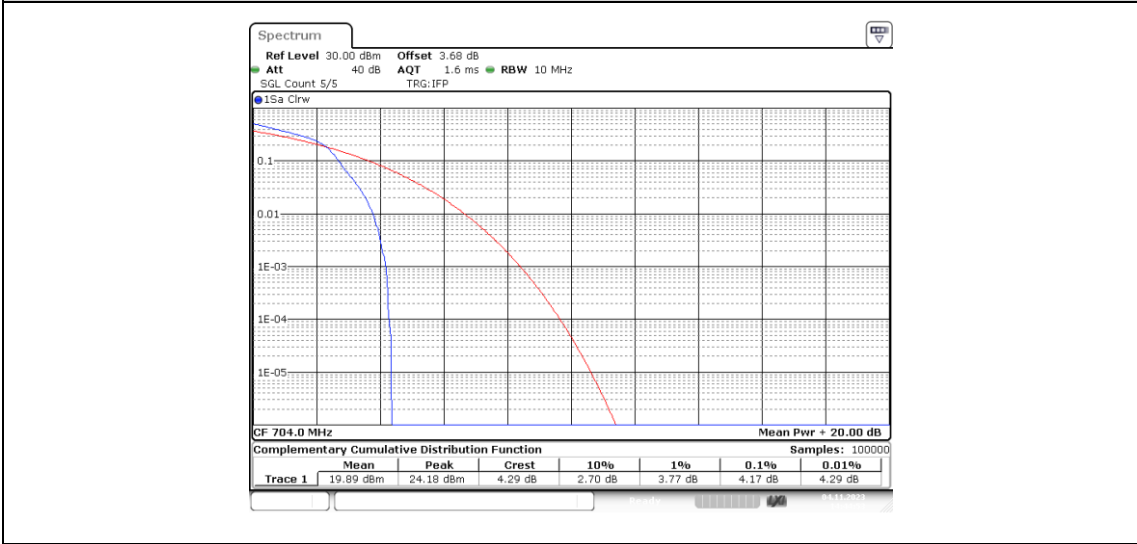
Band12-10MHz-QPSK-23095-6-0-Low-4.43-=<=13-PASS



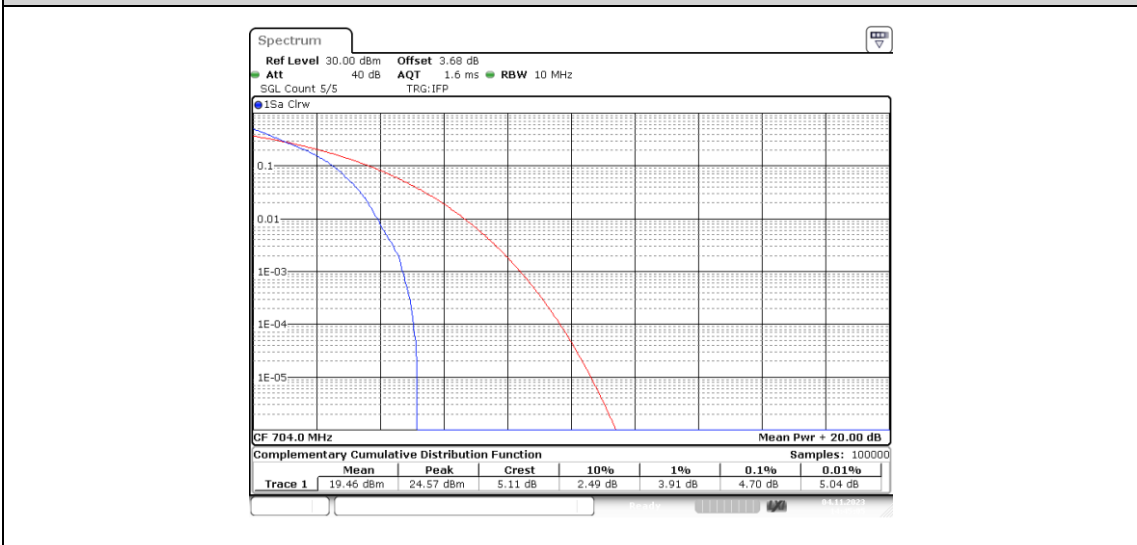
Band12-10MHz-QPSK-23130-1-0-High-4.00-=<=13-PASS



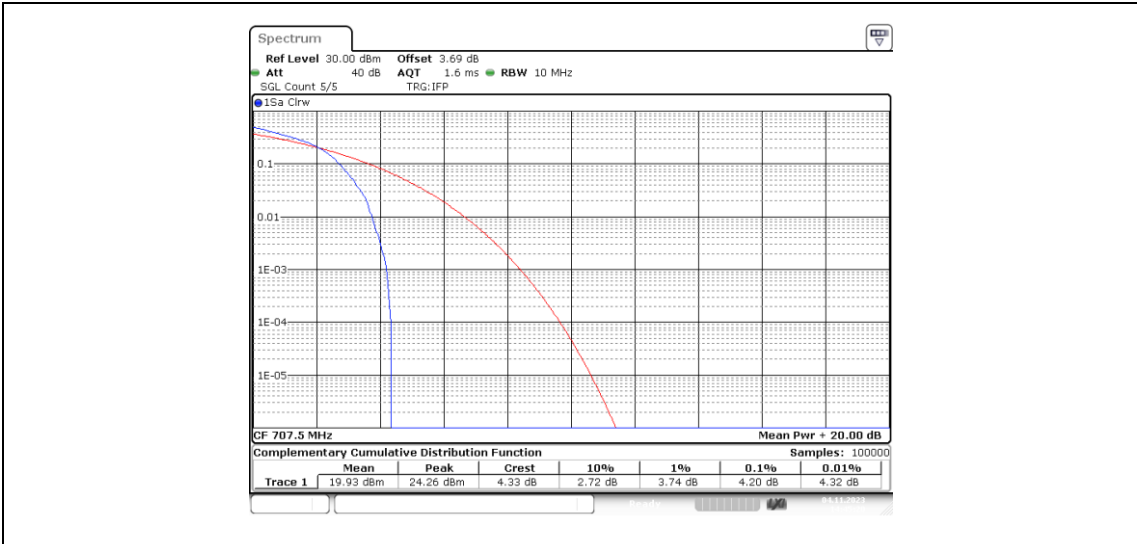
Band12-10MHz-QPSK-23130-6-0-High-4.49-<=13-PASS



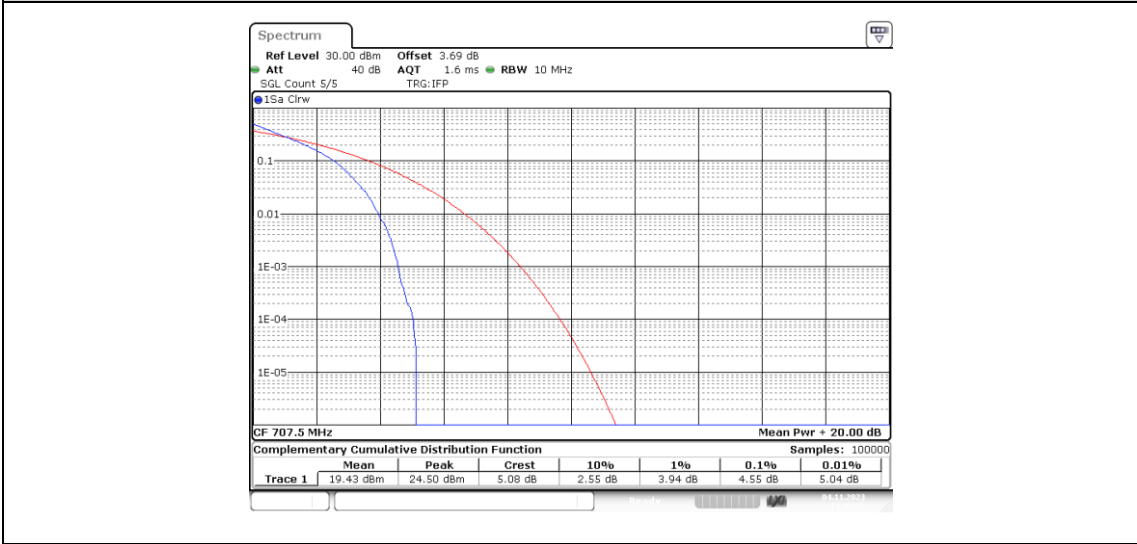
Band12-10MHz-16QAM-23060-1-0-Low-4.17-<=13-PASS



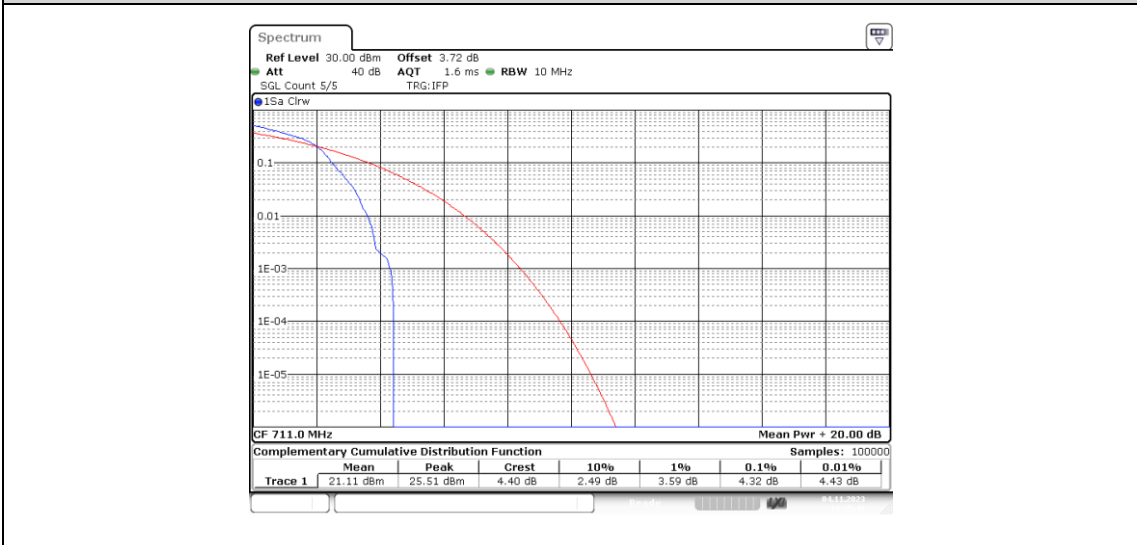
Band12-10MHz-16QAM-23060-6-0-Low-4.70-<=13-PASS



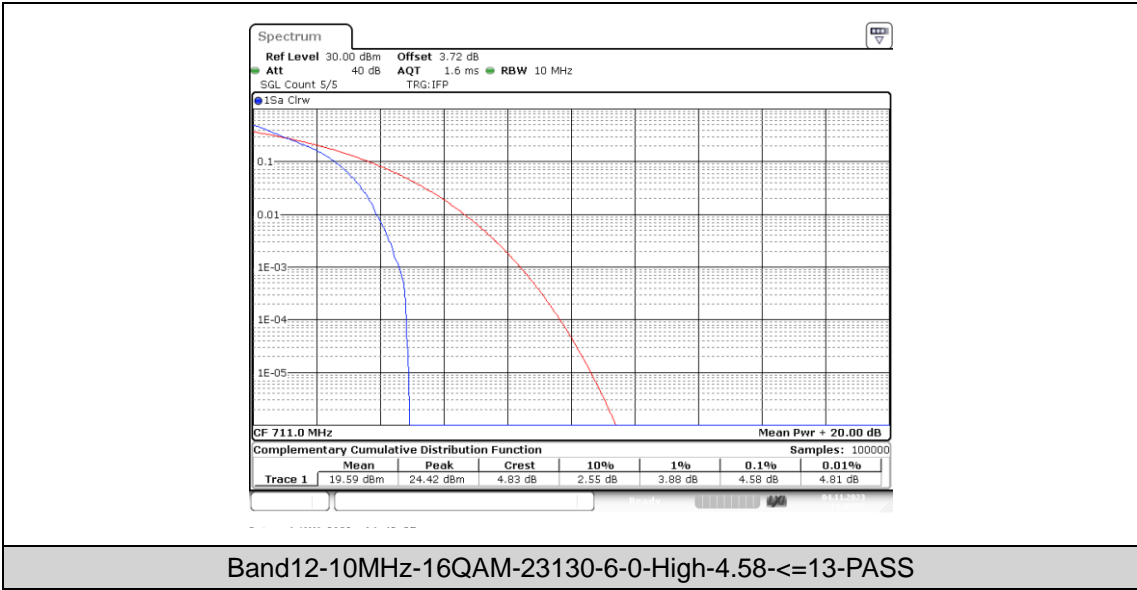
Band12-10MHz-16QAM-23095-1-0-Low-4.20-<=13-PASS



Band12-10MHz-16QAM-23095-6-0-Low-4.55-<=13-PASS



Band12-10MHz-16QAM-23130-1-0-High-4.32-<=13-PASS

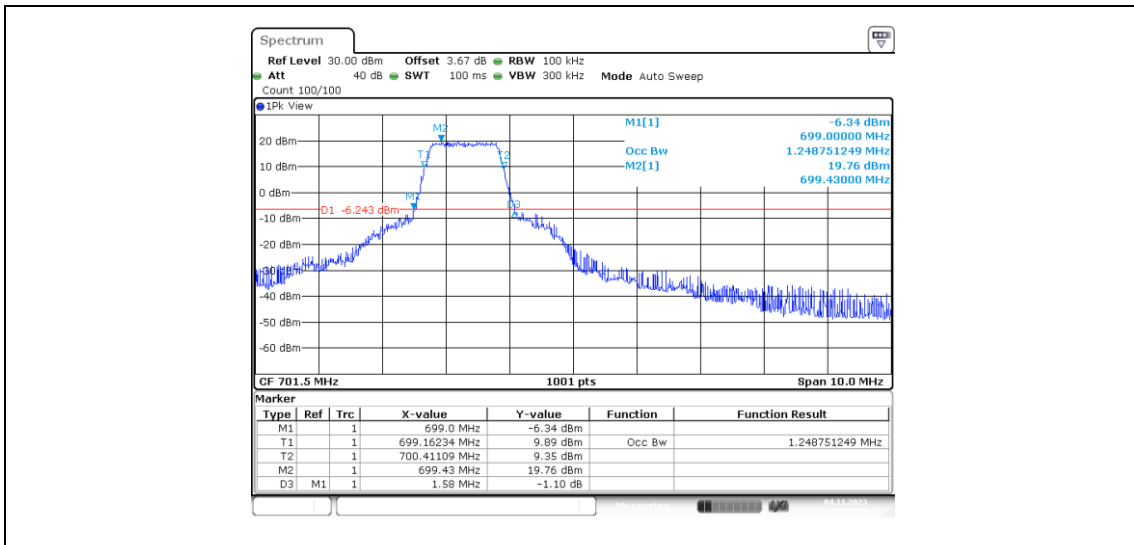


## Appendix C: 26dB Bandwidth and Occupied Bandwidth for M1

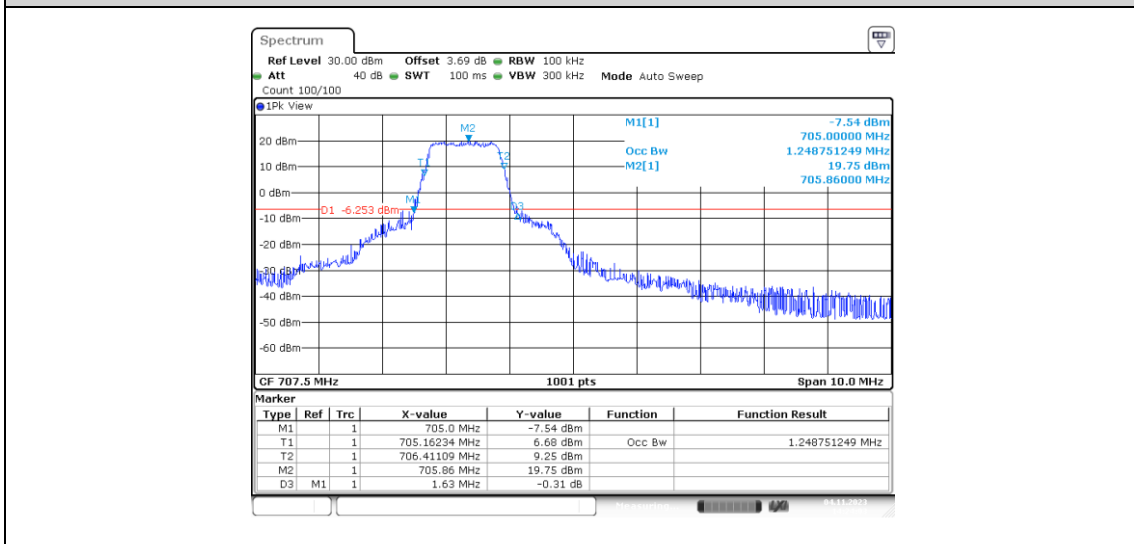
### Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band1 2	5MHz	23035	QPSK	6	0	Low	1.249	1.580	PASS
Band1 2	5MHz	23095	QPSK	6	0	Low	1.249	1.630	PASS
Band1 2	5MHz	23155	QPSK	6	0	High	1.249	1.600	PASS
Band1 2	5MHz	23035	16QAM	6	0	Low	1.249	1.690	PASS
Band1 2	5MHz	23095	16QAM	6	0	Low	1.259	1.750	PASS
Band1 2	5MHz	23155	16QAM	6	0	High	1.249	1.630	PASS
Band1 2	10MHz	23060	QPSK	6	0	Low	1.399	1.880	PASS
Band1 2	10MHz	23095	QPSK	6	0	Low	1.419	2.040	PASS
Band1 2	10MHz	23130	QPSK	6	0	High	1.399	2.000	PASS
Band1 2	10MHz	23060	16QAM	6	0	Low	1.419	1.920	PASS
Band1 2	10MHz	23095	16QAM	6	0	Low	1.419	1.960	PASS
Band1 2	10MHz	23130	16QAM	6	0	High	1.399	2.080	PASS

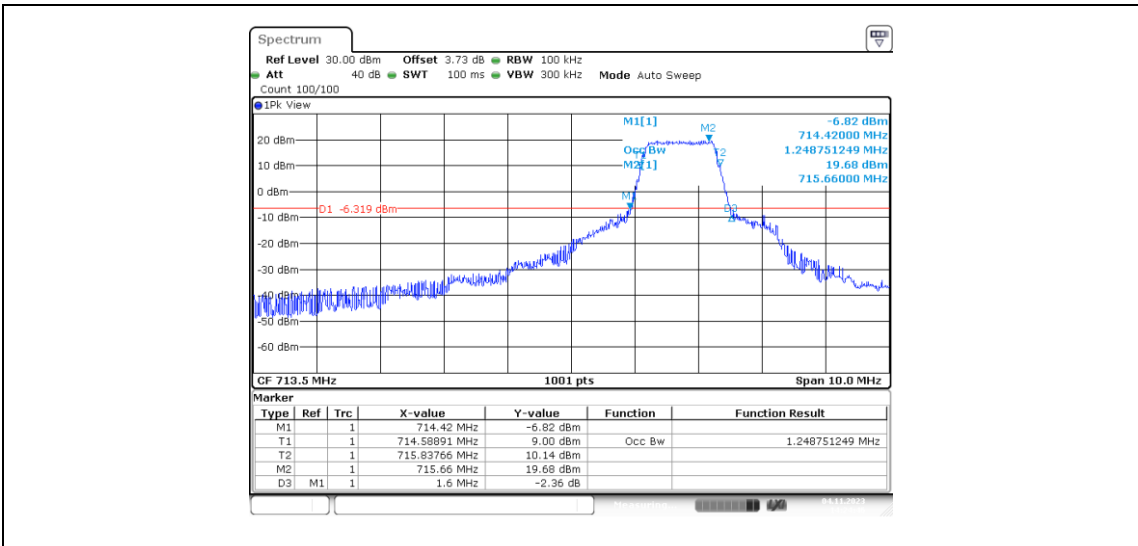
### Test Graphs



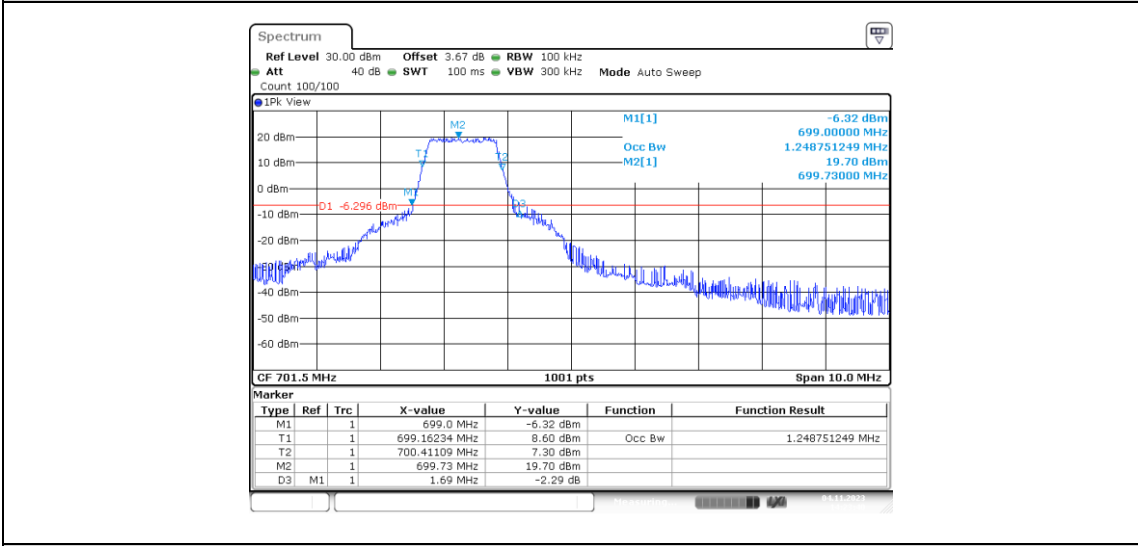
Band12-5MHz-QPSK-23035-6-0-Low-1.249-1.580-PASS



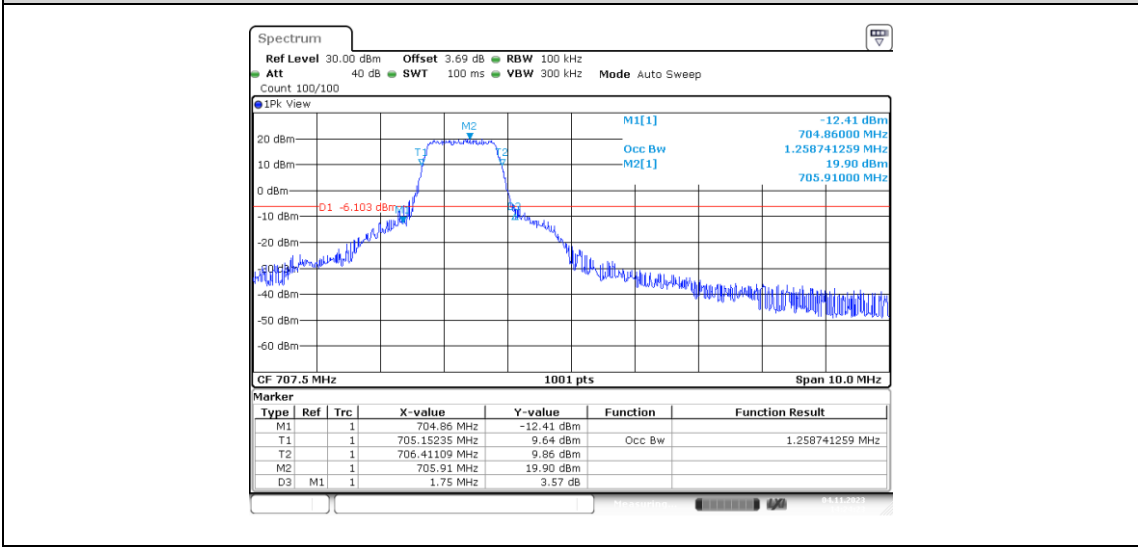
Band12-5MHz-QPSK-23095-6-0-Low-1.249-1.630-PASS



Band12-5MHz-QPSK-23155-6-0-High-1.249-1.600-PASS

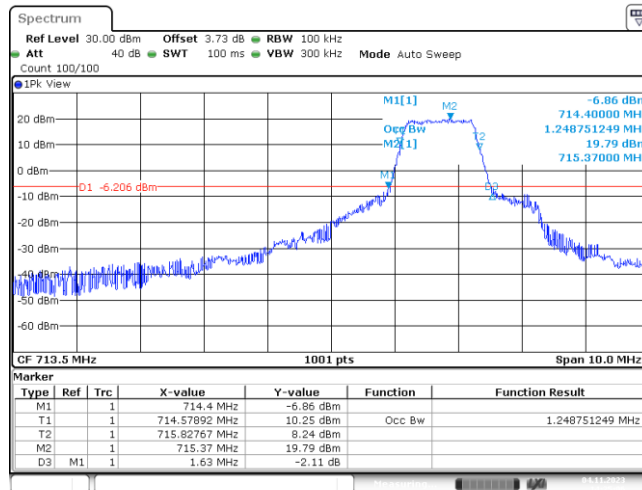


Band12-5MHz-16QAM-23035-6-0-Low-1.249-1.690-PASS

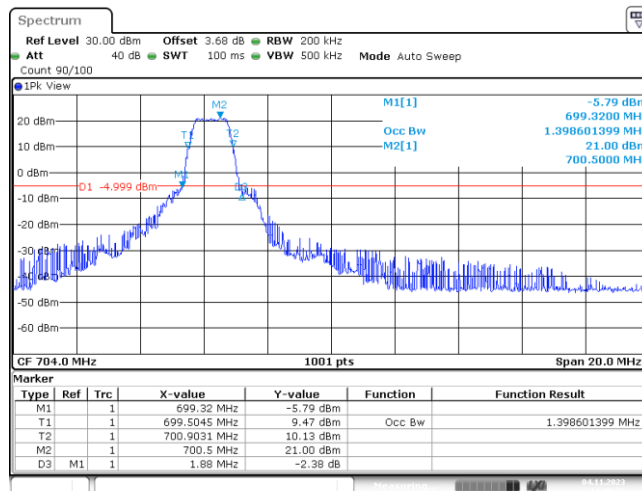


Band12-5MHz-16QAM-23095-6-0-Low-1.259-1.750-PASS

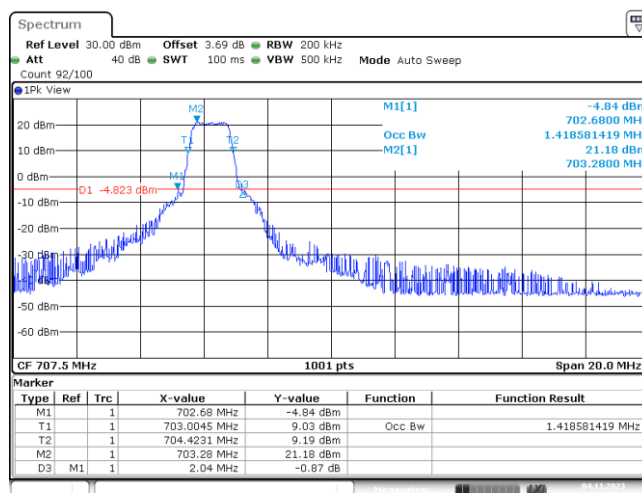




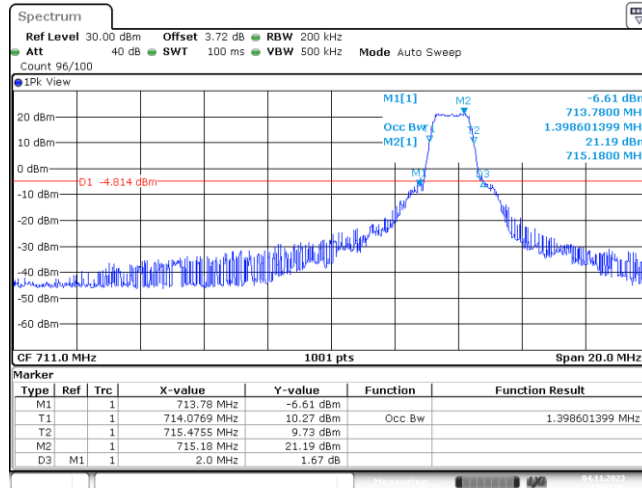
Band12-5MHz-16QAM-23155-6-0-High-1.249-1.630-PASS



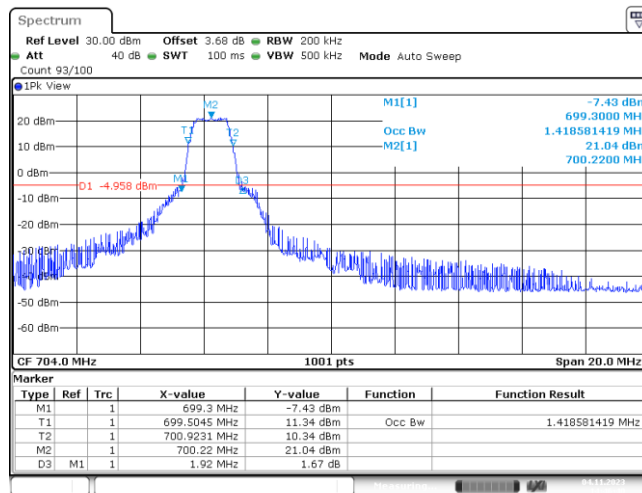
Band12-10MHz-QPSK-23060-6-0-Low-1.399-1.880-PASS



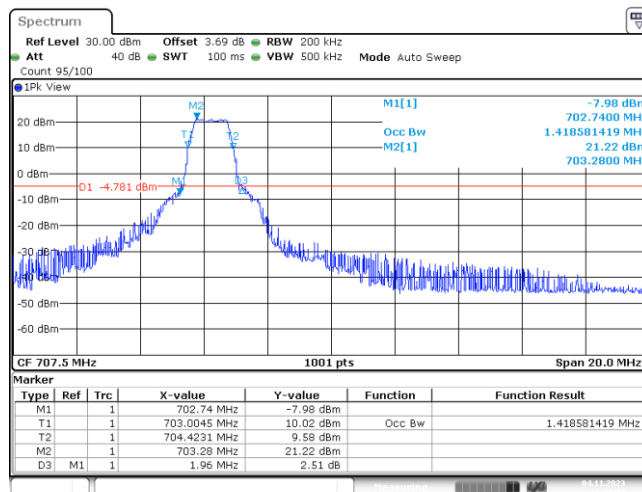
Band12-10MHz-QPSK-23095-6-0-Low-1.419-2.040-PASS



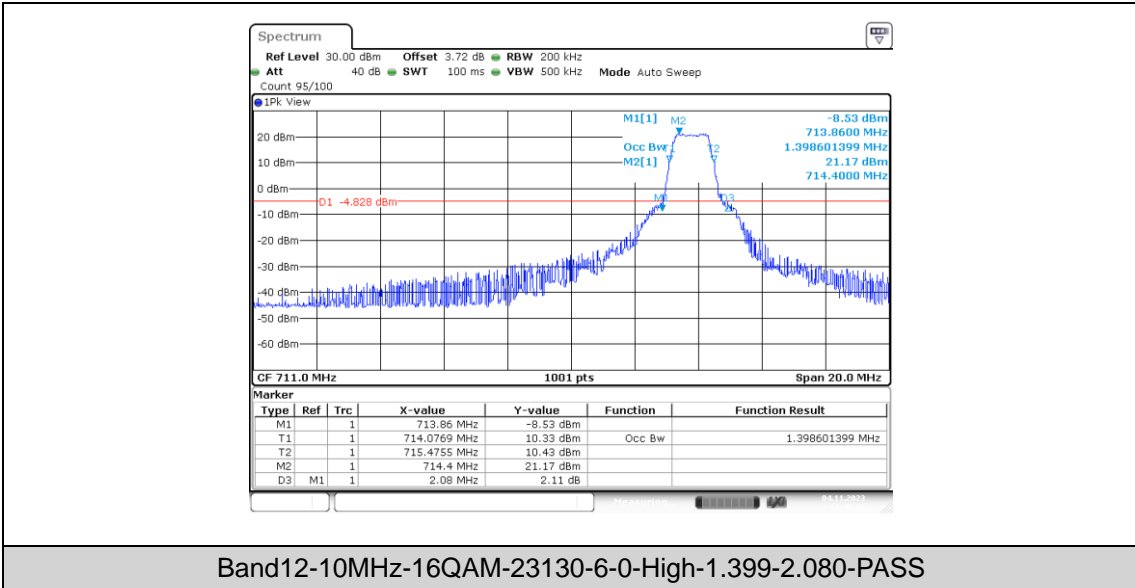
Band12-10MHz-QPSK-23130-6-0-High-1.399-2.000-PASS



Band12-10MHz-16QAM-23060-6-0-Low-1.419-1.920-PASS



Band12-10MHz-16QAM-23095-6-0-Low-1.419-1.960-PASS

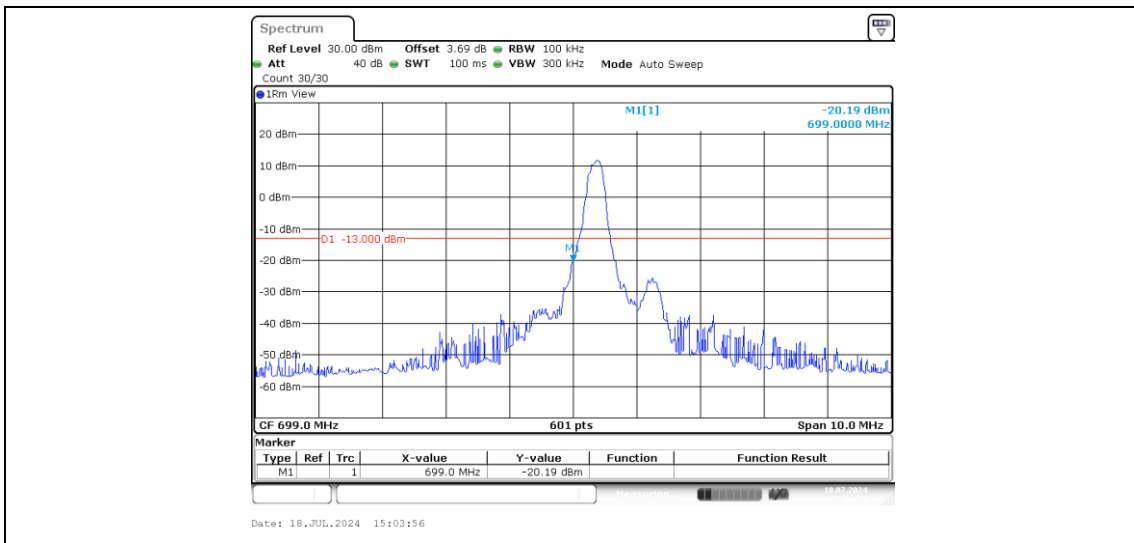


## Appendix D: Band Edge for M1

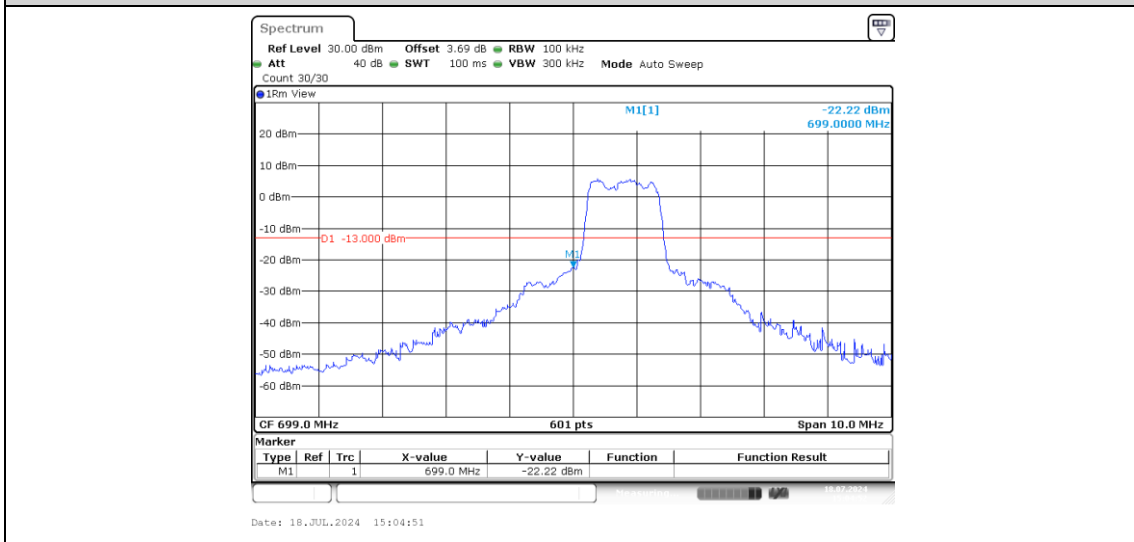
### Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Result(dBm)	Verdict
Band12	5MHz	23035	QPSK	1	0	Low	-20.19	PASS
Band12	5MHz	23035	QPSK	6	0	Low	-22.22	PASS
Band12	5MHz	23155	QPSK	1	0	High	-56.83	PASS
Band12	5MHz	23155	QPSK	6	0	High	-23.35	PASS
Band12	5MHz	23035	16QAM	1	0	Low	-22.56	PASS
Band12	5MHz	23035	16QAM	6	0	Low	-21.63	PASS
Band12	5MHz	23155	16QAM	1	0	High	-38.88	PASS
Band12	5MHz	23155	16QAM	6	0	High	-22.40	PASS
Band12	10MHz	23060	QPSK	1	0	Low	-28.37	PASS
Band12	10MHz	23060	QPSK	6	0	Low	-22.99	PASS
Band12	10MHz	23130	QPSK	1	0	High	-36.35	PASS
Band12	10MHz	23130	QPSK	6	0	High	-24.73	PASS
Band12	10MHz	23060	16QAM	1	0	Low	-29.01	PASS
Band12	10MHz	23060	16QAM	6	0	Low	-24.12	PASS
Band12	10MHz	23130	16QAM	1	0	High	-36.74	PASS
Band12	10MHz	23130	16QAM	6	0	High	-24.09	PASS

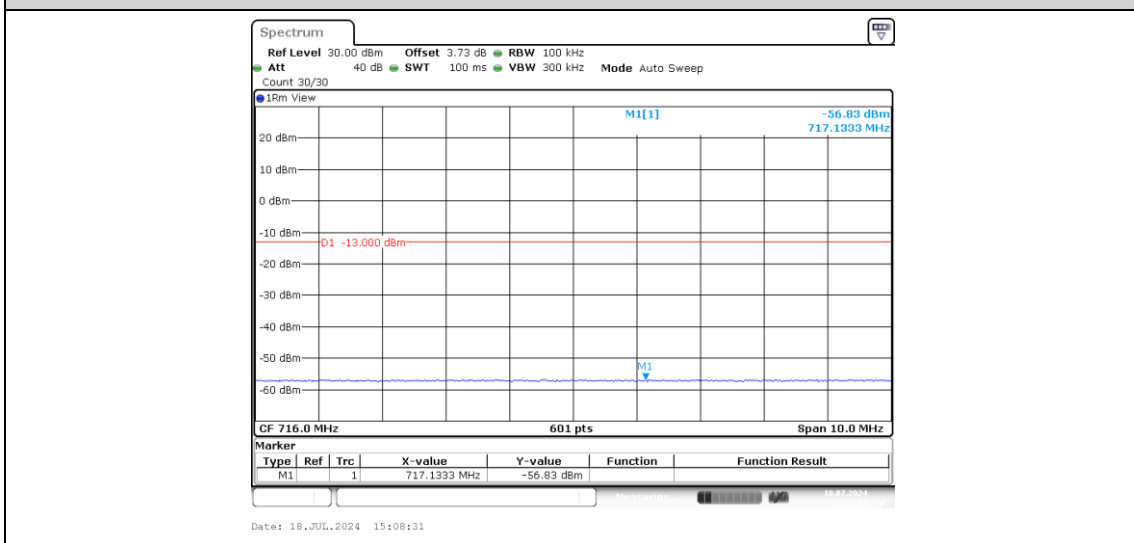
### Test Graphs



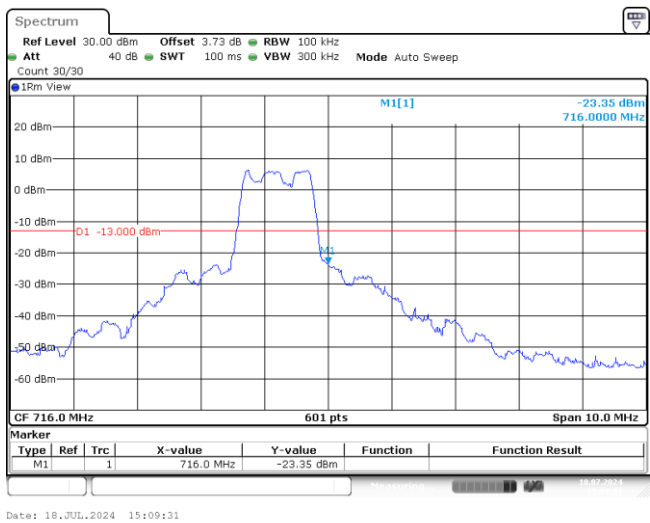
Band12-5MHz-QPSK-23035-1-0-Low--20.19-PASS



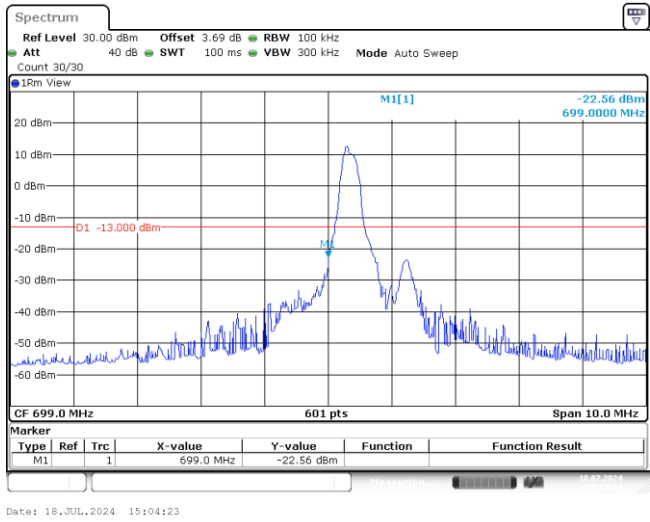
Band12-5MHz-QPSK-23035-6-0-Low--22.22-PASS



**Band12-5MHz-QPSK-23155-1-0-High--56.83-PASS**



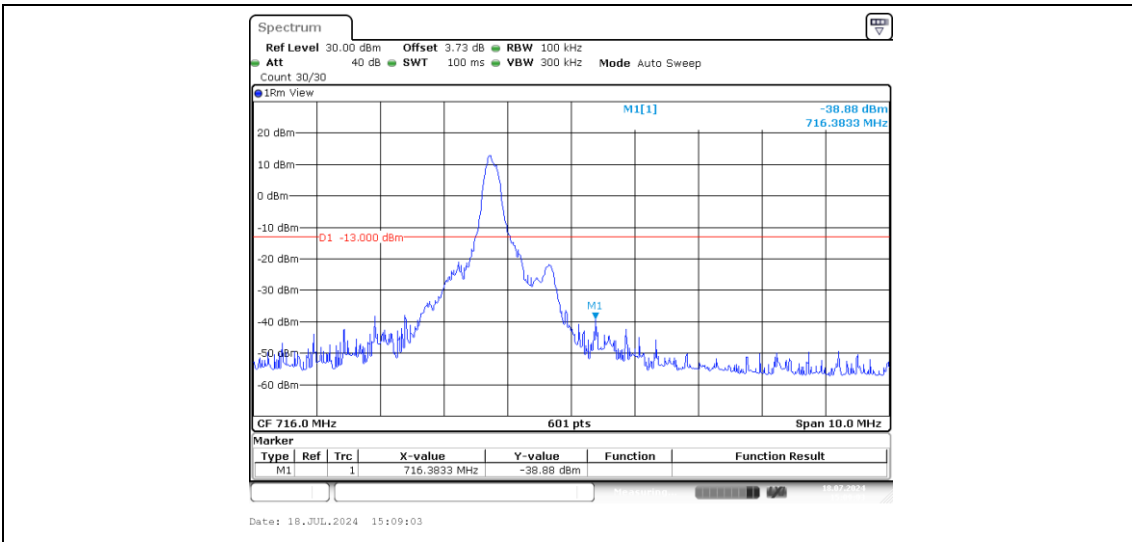
**Band12-5MHz-QPSK-23155-6-0-High--23.35-PASS**



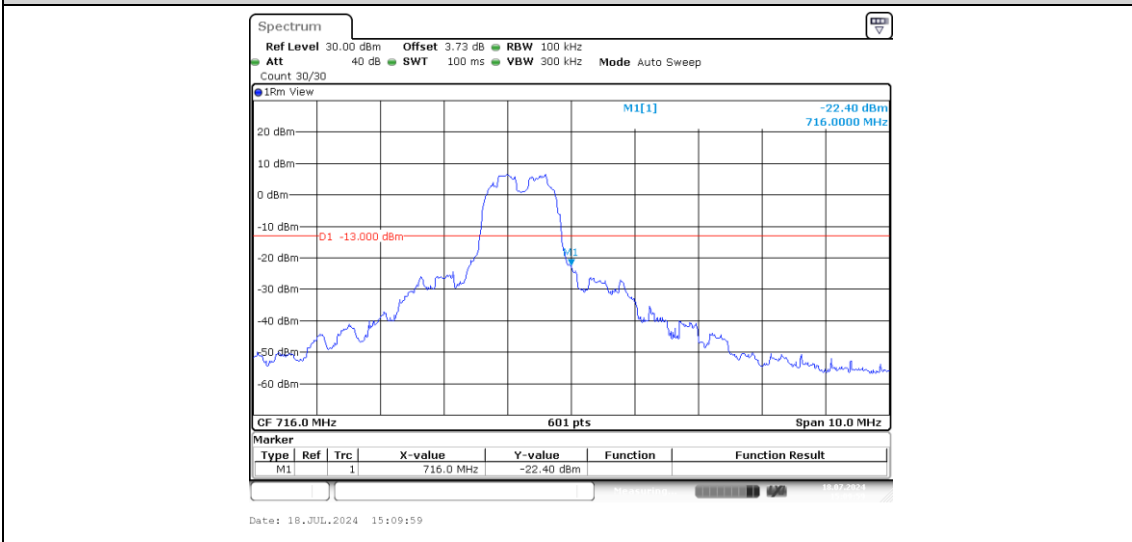
**Band12-5MHz-16QAM-23035-1-0-Low--22.56-PASS**



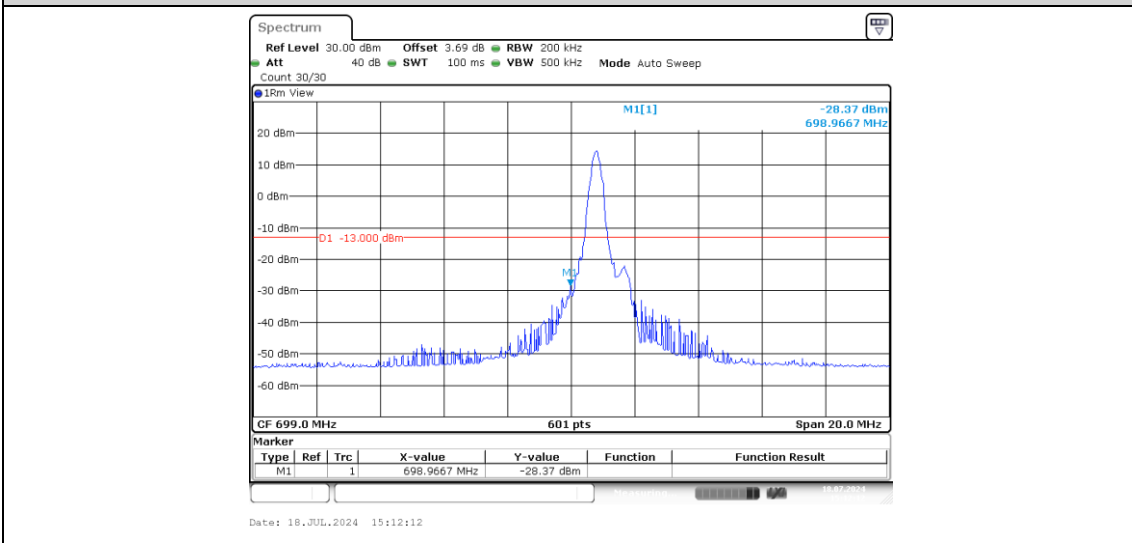
**Band12-5MHz-16QAM-23035-6-0-Low--21.63-PASS**



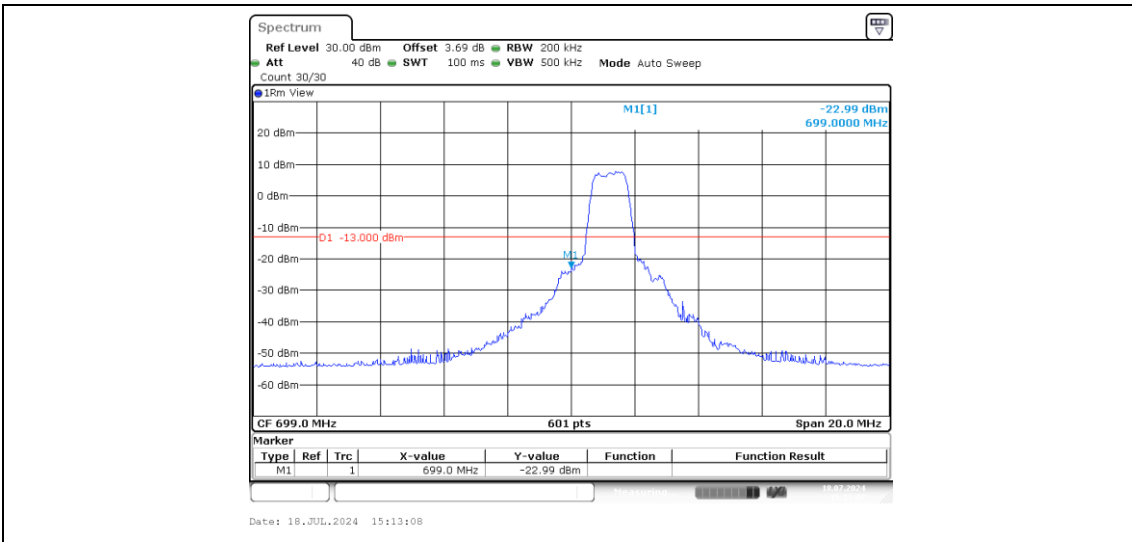
Band12-5MHz-16QAM-23155-1-0-High--38.88-PASS



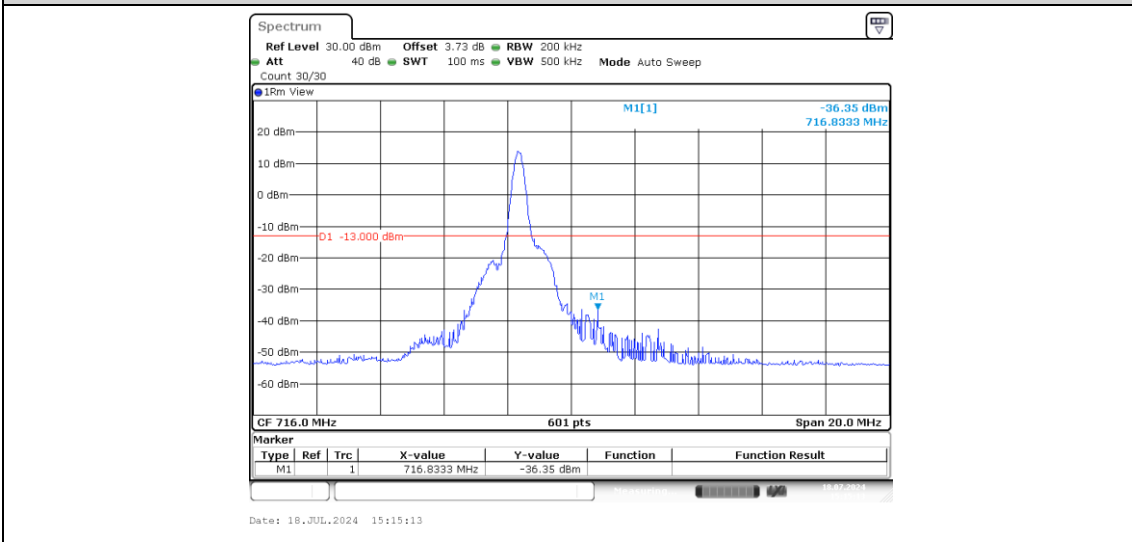
Band12-5MHz-16QAM-23155-6-0-High--22.40-PASS



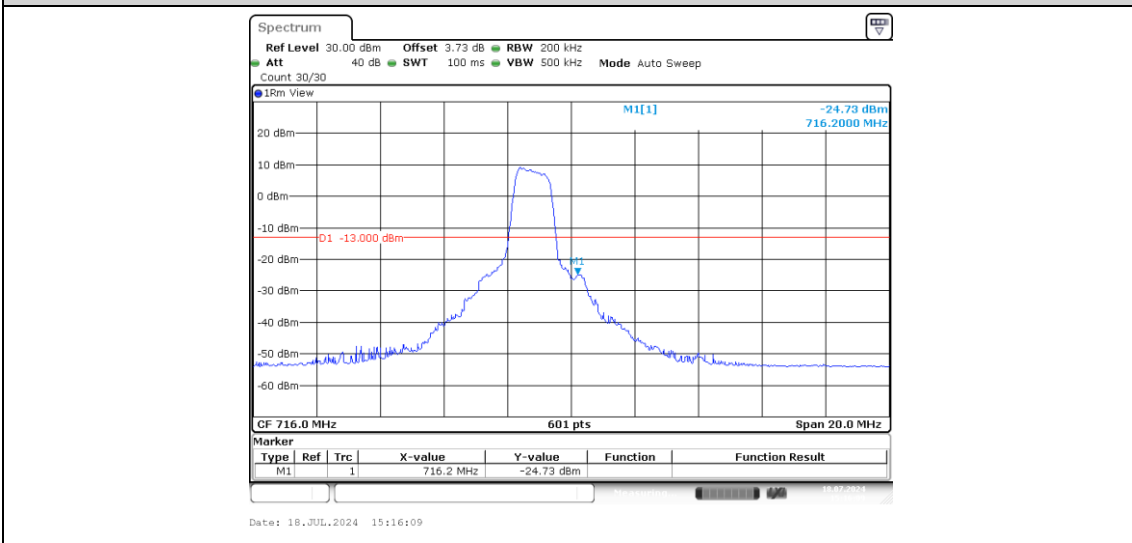
Band12-10MHz-QPSK-23060-1-0-Low--28.37-PASS



Band12-10MHz-QPSK-23060-6-0-Low--22.99-PASS

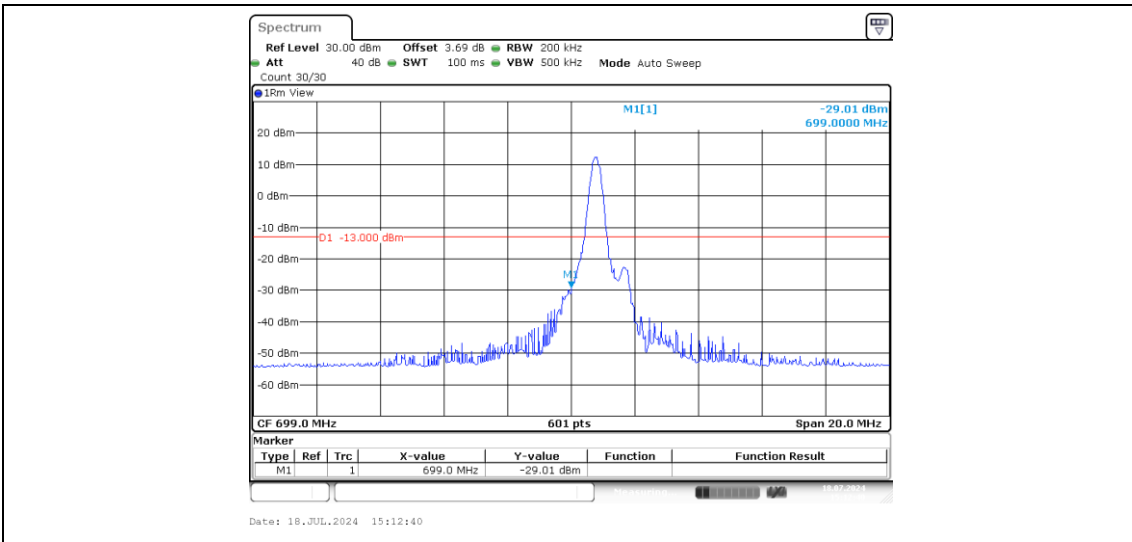


Band12-10MHz-QPSK-23130-1-0-High--36.35-PASS

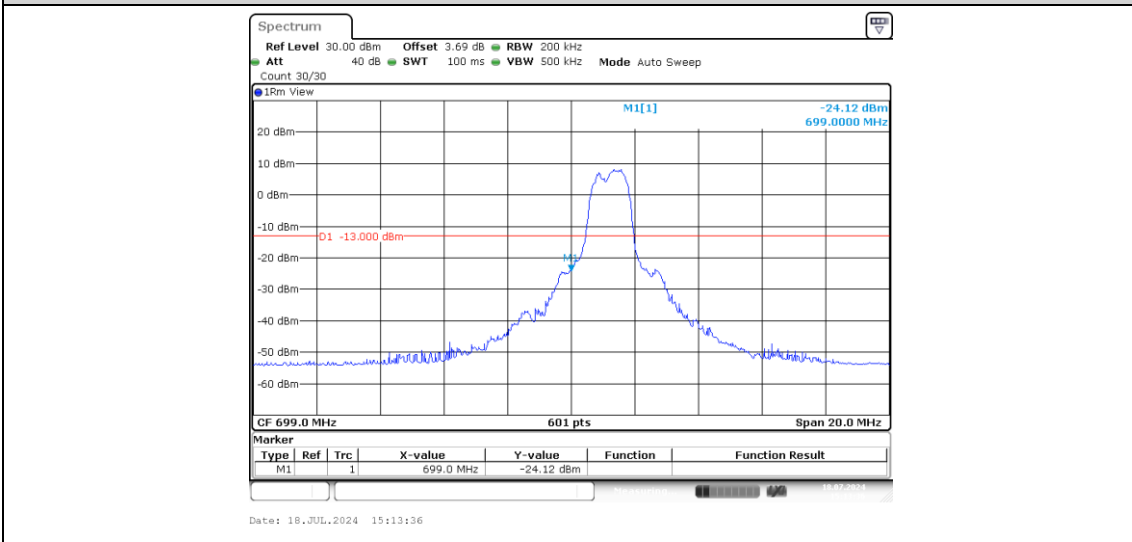


Band12-10MHz-QPSK-23130-6-0-High--24.73-PASS

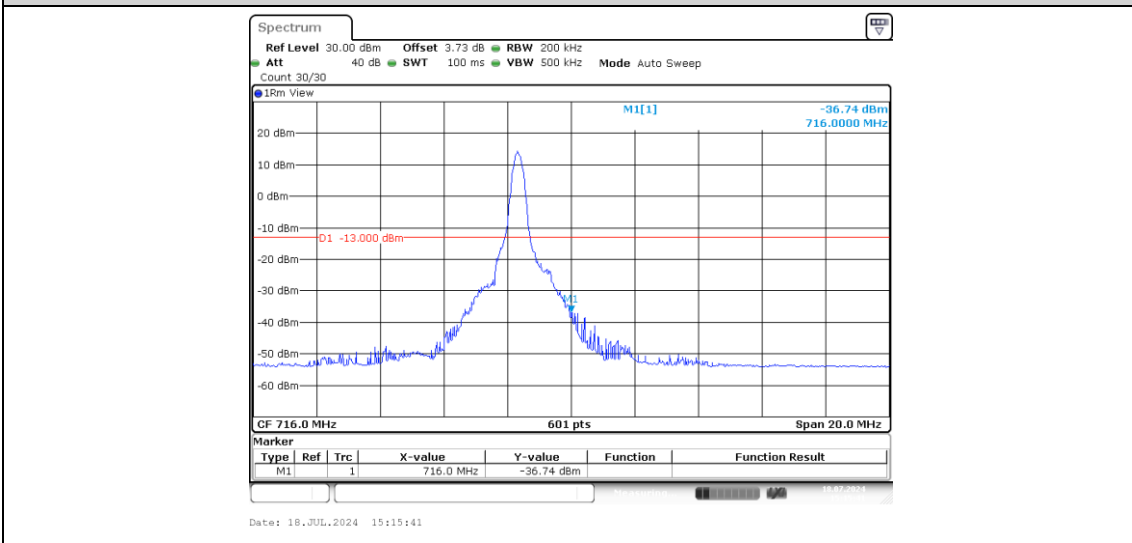




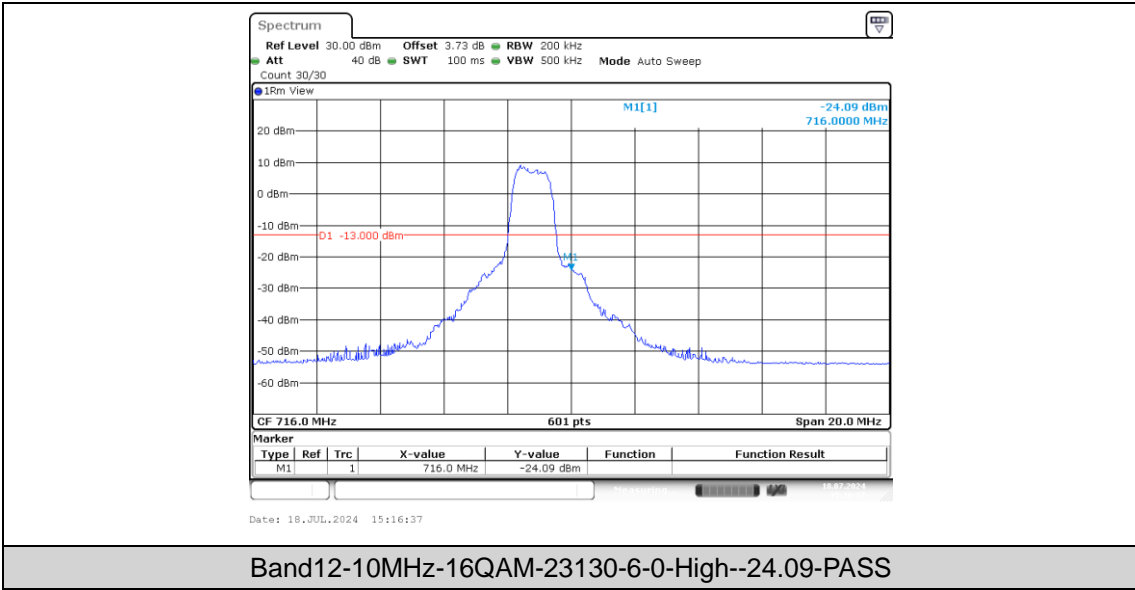
Band12-10MHz-16QAM-23060-1-0-Low--29.01-PASS



Band12-10MHz-16QAM-23060-6-0-Low--24.12-PASS



Band12-10MHz-16QAM-23130-1-0-High--36.74-PASS



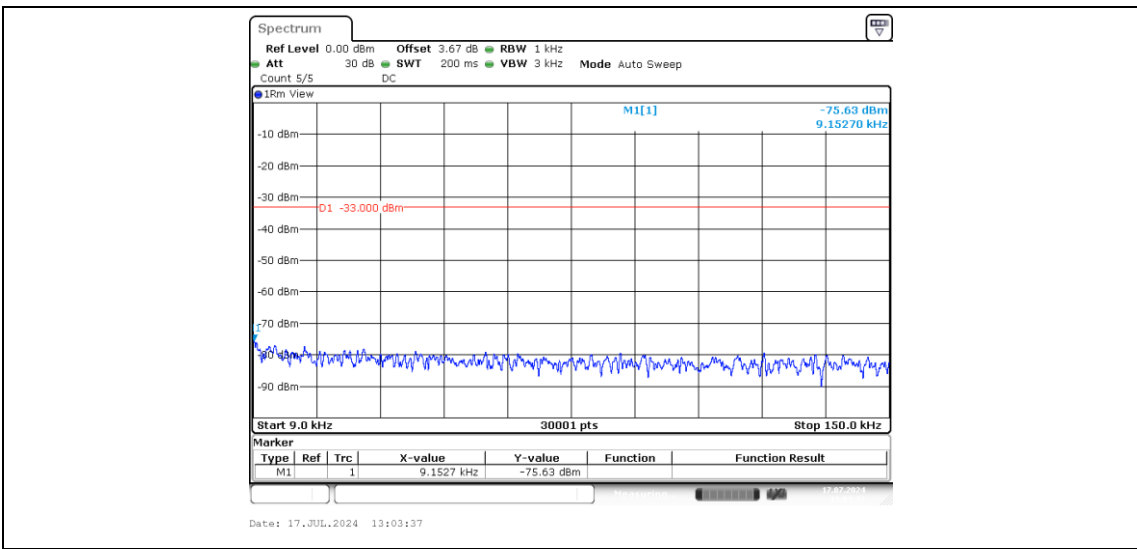
## Appendix E: Conducted Spurious Emission for M1

### Test Result

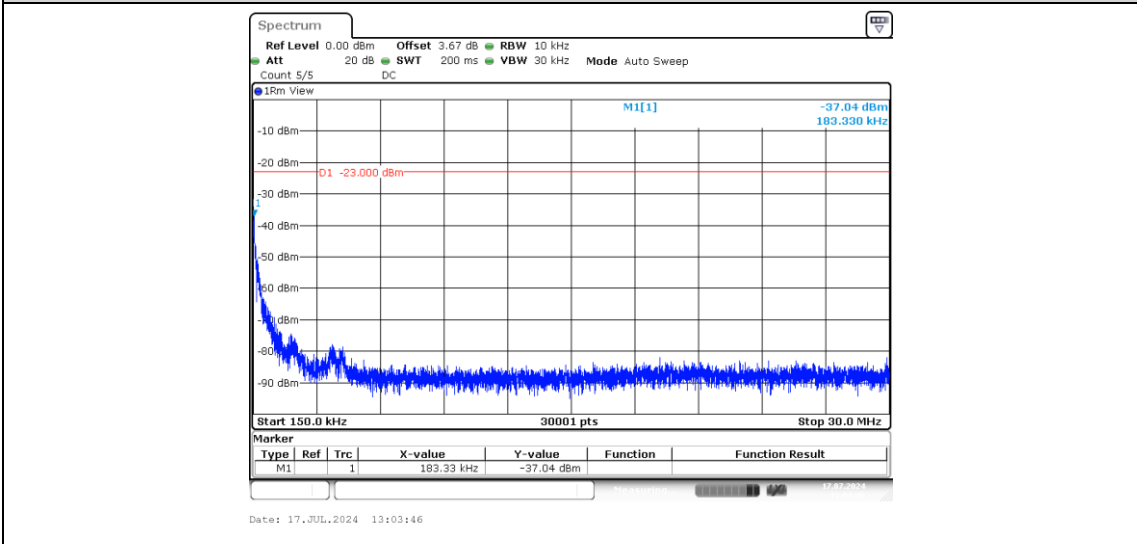
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Start Freq	Stop Freq	Verdict
Band12	5MHz	23035	QPSK	1	0	Low	0.009	0.15	PASS
Band12	5MHz	23035	QPSK	1	0	Low	0.15	30	PASS
Band12	5MHz	23035	QPSK	1	0	Low	30	1000	PASS
Band12	5MHz	23035	QPSK	1	0	Low	1000	10000	PASS
Band12	5MHz	23095	QPSK	1	0	Low	0.009	0.15	PASS
Band12	5MHz	23095	QPSK	1	0	Low	0.15	30	PASS
Band12	5MHz	23095	QPSK	1	0	Low	30	1000	PASS
Band12	5MHz	23095	QPSK	1	0	Low	1000	10000	PASS
Band12	5MHz	23155	QPSK	1	0	High	0.009	0.15	PASS
Band12	5MHz	23155	QPSK	1	0	High	0.15	30	PASS
Band12	5MHz	23155	QPSK	1	0	High	30	1000	PASS
Band12	5MHz	23155	QPSK	1	0	High	1000	10000	PASS
Band12	5MHz	23035	16QAM	1	0	Low	0.009	0.15	PASS
Band12	5MHz	23035	16QAM	1	0	Low	0.15	30	PASS
Band12	5MHz	23035	16QAM	1	0	Low	30	1000	PASS
Band12	5MHz	23035	16QAM	1	0	Low	1000	10000	PASS
Band12	5MHz	23095	16QAM	1	0	Low	0.009	0.15	PASS
Band12	5MHz	23095	16QAM	1	0	Low	0.15	30	PASS
Band12	5MHz	23095	16QAM	1	0	Low	30	1000	PASS
Band12	5MHz	23095	16QAM	1	0	Low	1000	10000	PASS
Band12	5MHz	23155	16QAM	1	0	High	0.009	0.15	PASS
Band12	5MHz	23155	16QAM	1	0	High	0.15	30	PASS
Band12	5MHz	23155	16QAM	1	0	High	30	1000	PASS
Band12	5MHz	23155	16QAM	1	0	High	1000	10000	PASS
Band12	10MHz	23060	QPSK	1	0	Low	0.009	0.15	PASS
Band12	10MHz	23060	QPSK	1	0	Low	0.15	30	PASS
Band12	10MHz	23060	QPSK	1	0	Low	30	1000	PASS
Band12	10MHz	23060	QPSK	1	0	Low	1000	10000	PASS
Band12	10MHz	23095	QPSK	1	0	Low	0.009	0.15	PASS
Band12	10MHz	23095	QPSK	1	0	Low	0.15	30	PASS
Band12	10MHz	23095	QPSK	1	0	Low	30	1000	PASS
Band12	10MHz	23095	QPSK	1	0	Low	1000	10000	PASS
Band12	10MHz	23130	QPSK	1	0	High	0.009	0.15	PASS
Band12	10MHz	23130	QPSK	1	0	High	0.15	30	PASS
Band12	10MHz	23130	QPSK	1	0	High	30	1000	PASS

Band12	10MHz	23130	QPSK	1	0	High	1000	10000	PASS
Band12	10MHz	23060	16QAM	1	0	Low	0.009	0.15	PASS
Band12	10MHz	23060	16QAM	1	0	Low	0.15	30	PASS
Band12	10MHz	23060	16QAM	1	0	Low	30	1000	PASS
Band12	10MHz	23060	16QAM	1	0	Low	1000	10000	PASS
Band12	10MHz	23095	16QAM	1	0	Low	0.009	0.15	PASS
Band12	10MHz	23095	16QAM	1	0	Low	0.15	30	PASS
Band12	10MHz	23095	16QAM	1	0	Low	30	1000	PASS
Band12	10MHz	23095	16QAM	1	0	Low	1000	10000	PASS
Band12	10MHz	23130	16QAM	1	0	High	0.009	0.15	PASS
Band12	10MHz	23130	16QAM	1	0	High	0.15	30	PASS
Band12	10MHz	23130	16QAM	1	0	High	30	1000	PASS
Band12	10MHz	23130	16QAM	1	0	High	1000	10000	PASS

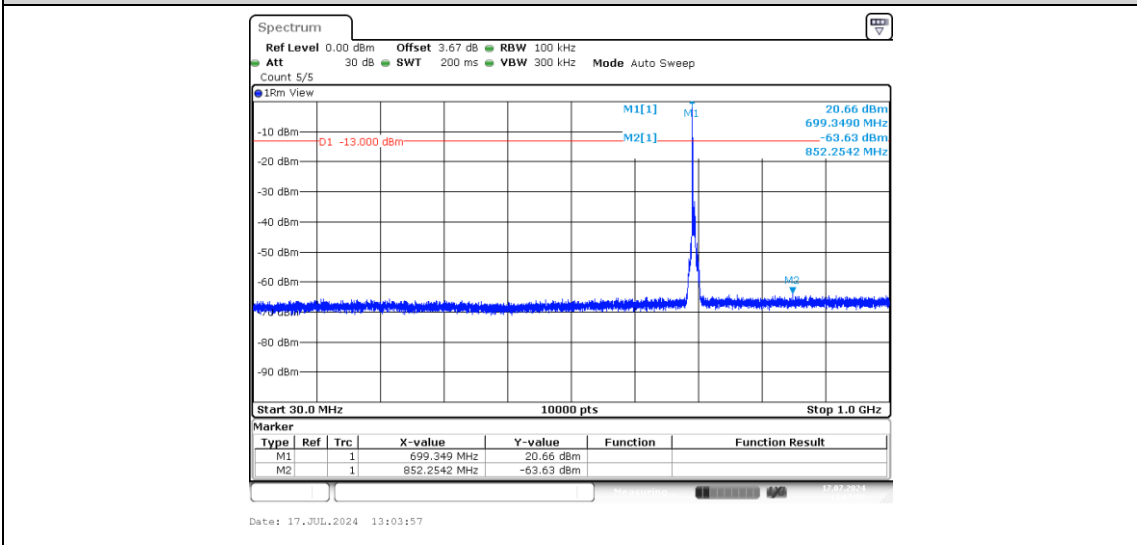
### Test Graphs



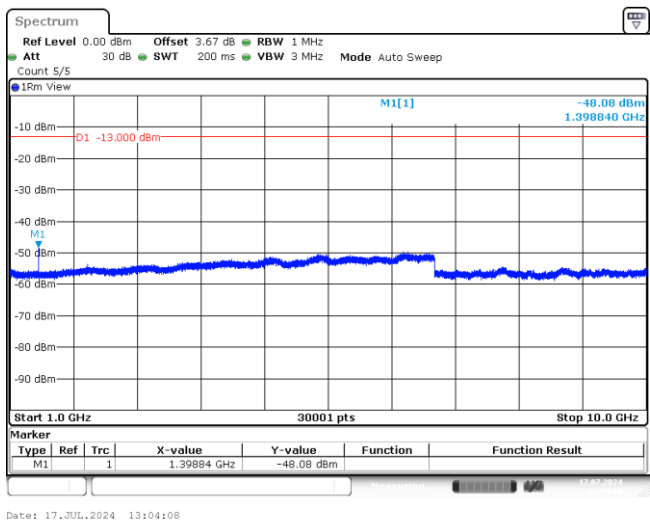
Band12-5MHz-QPSK-23035-1-0-Low-0.009-0.15--75.63-PASS



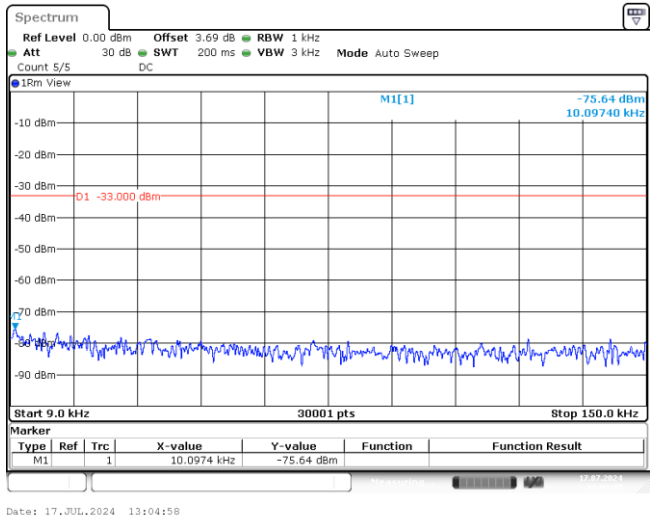
Band12-5MHz-QPSK-23035-1-0-Low-0.15-30--37.04-PASS



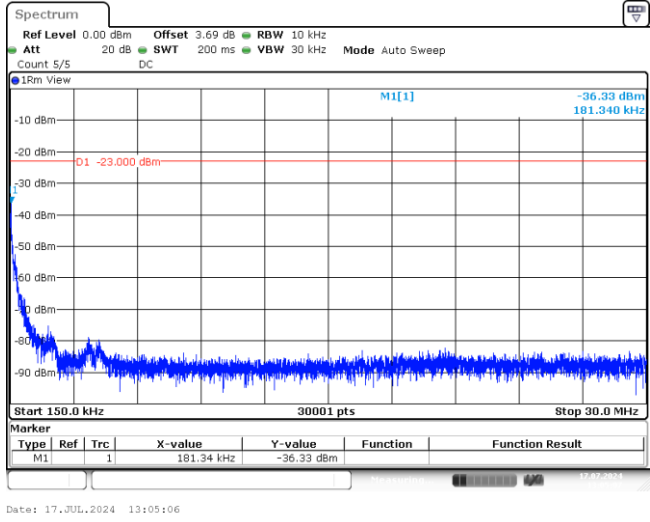
Band12-5MHz-QPSK-23035-1-0-Low-30-1000--63.63-PASS



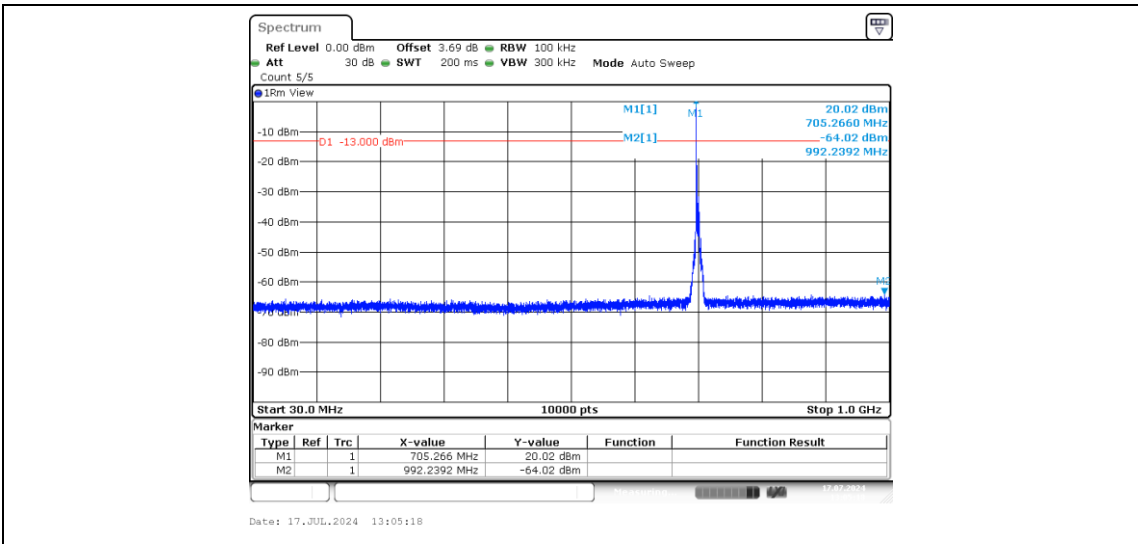
Band12-5MHz-QPSK-23035-1-0-Low-1000-10000--48.08-PASS



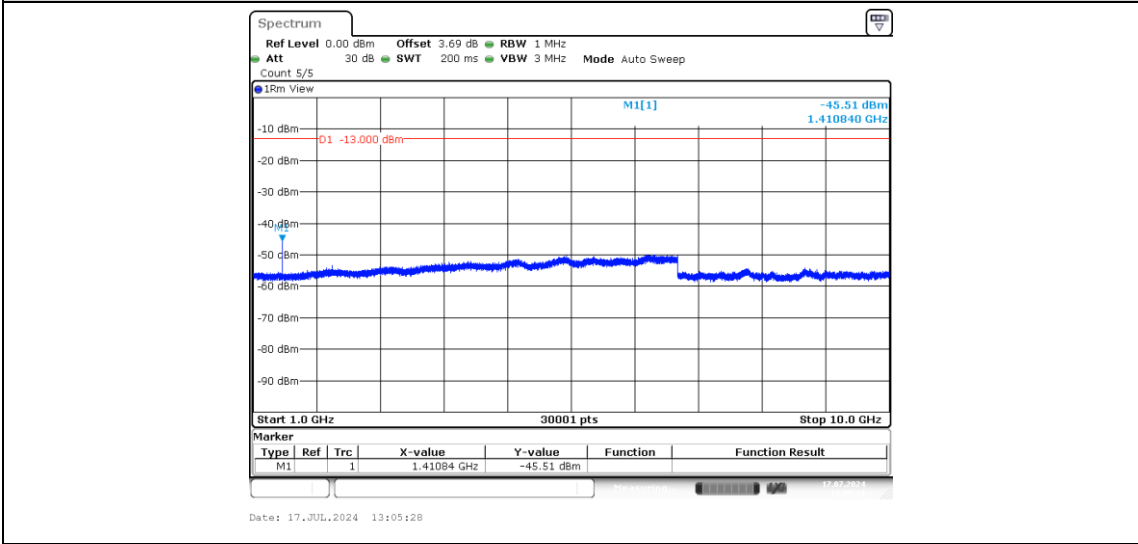
Band12-5MHz-QPSK-23095-1-0-Low-0.009-0.15--75.64-PASS



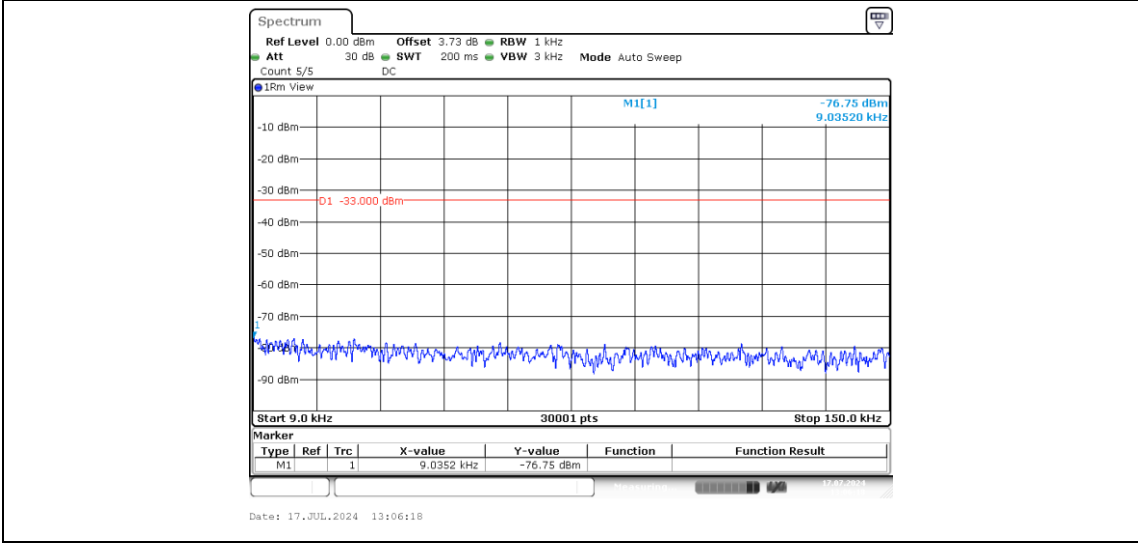
Band12-5MHz-QPSK-23095-1-0-Low-0.15-30--36.33-PASS



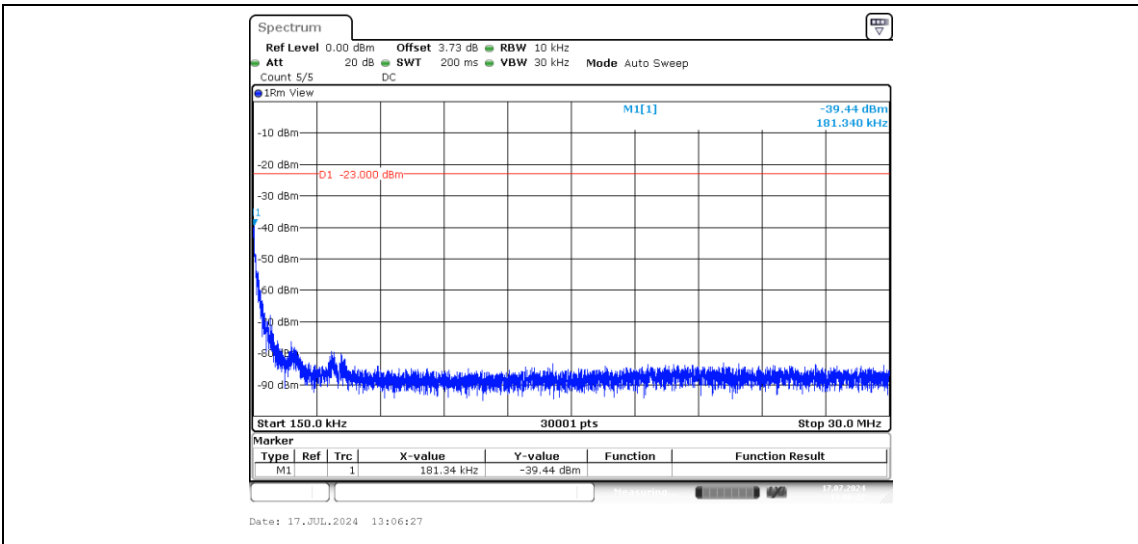
Band12-5MHz-QPSK-23095-1-0-Low-30-1000--64.02-PASS



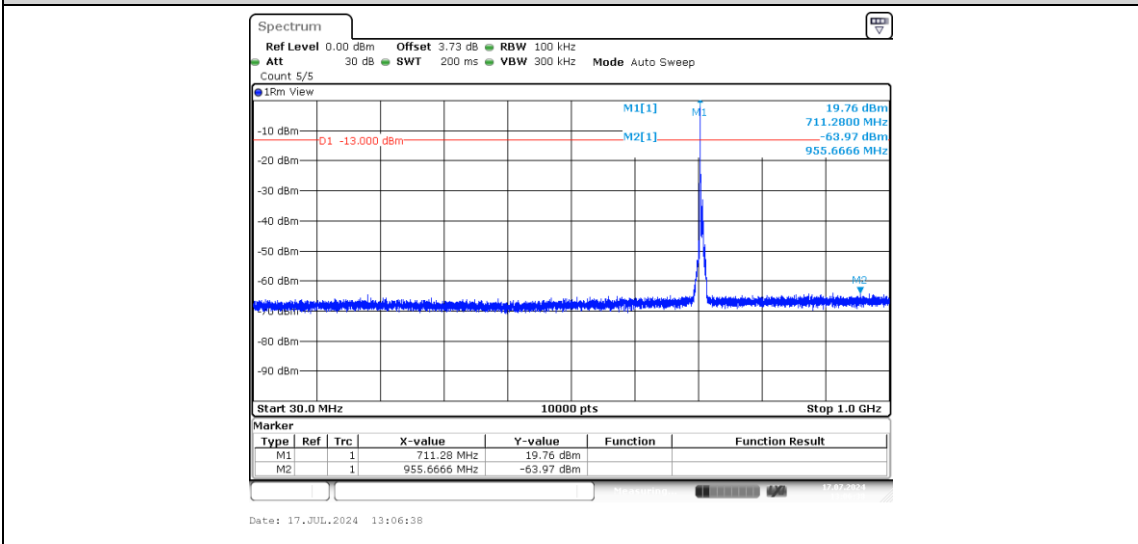
Band12-5MHz-QPSK-23095-1-0-Low-1000-10000--45.51-PASS



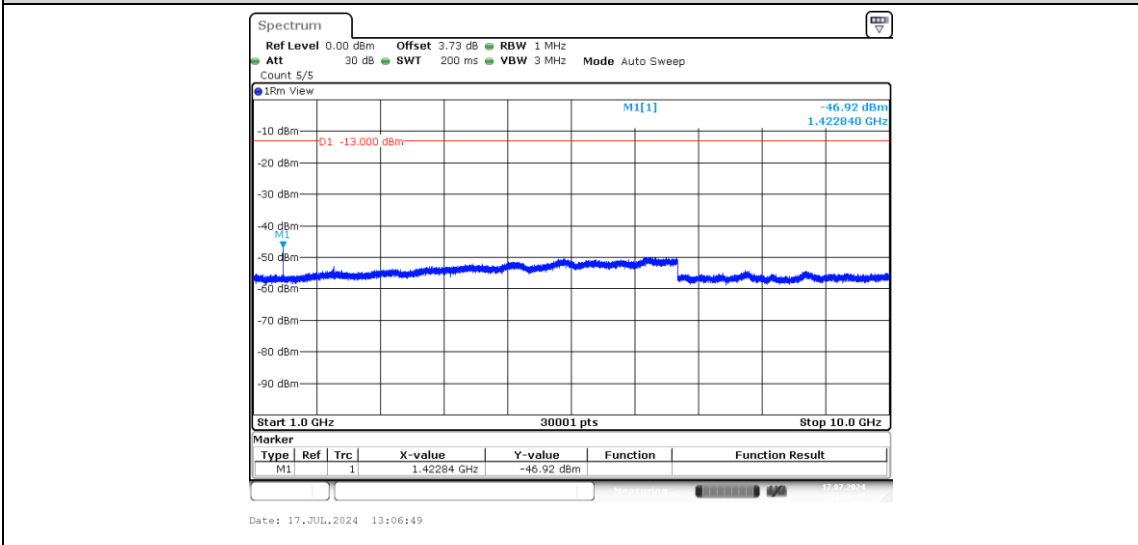
Band12-5MHz-QPSK-23155-1-0-High-0.009-0.15--76.75-PASS



Band12-5MHz-QPSK-23155-1-0-High-0.15-30--39.44-PASS

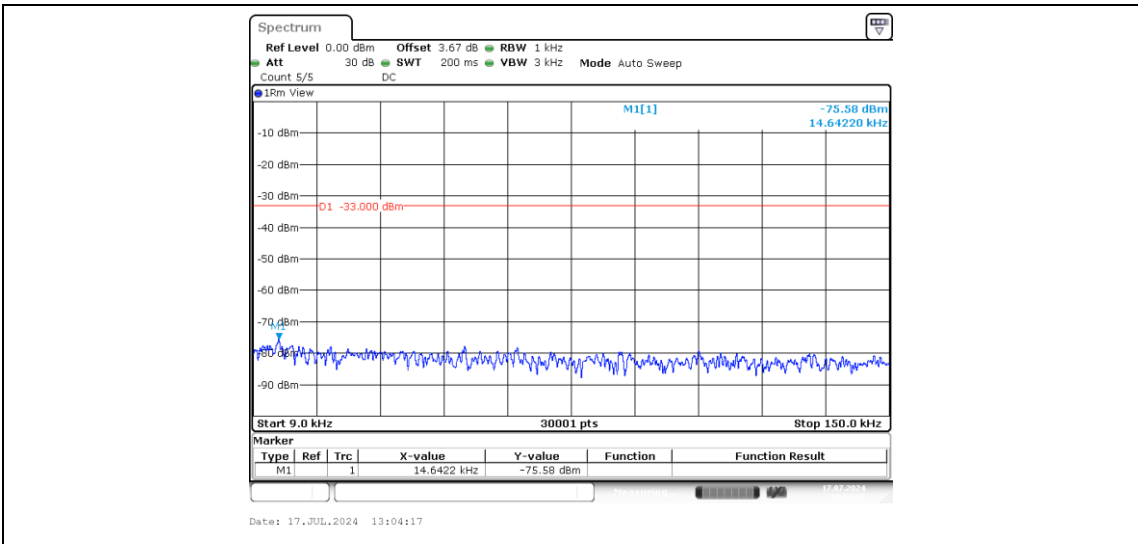


Band12-5MHz-QPSK-23155-1-0-High-30-1000--63.97-PASS

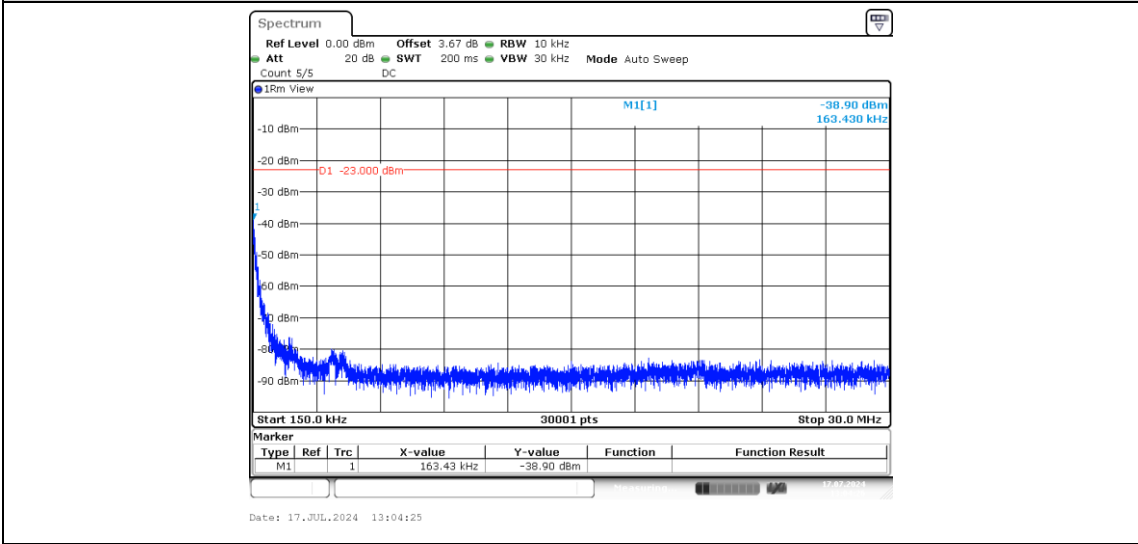


Band12-5MHz-QPSK-23155-1-0-High-1000-10000--46.92-PASS

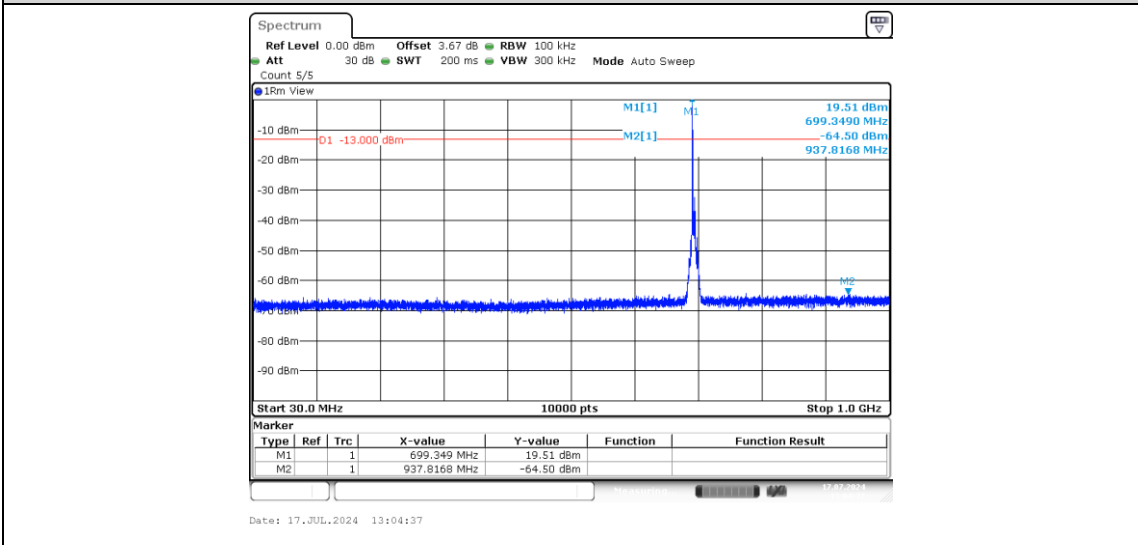




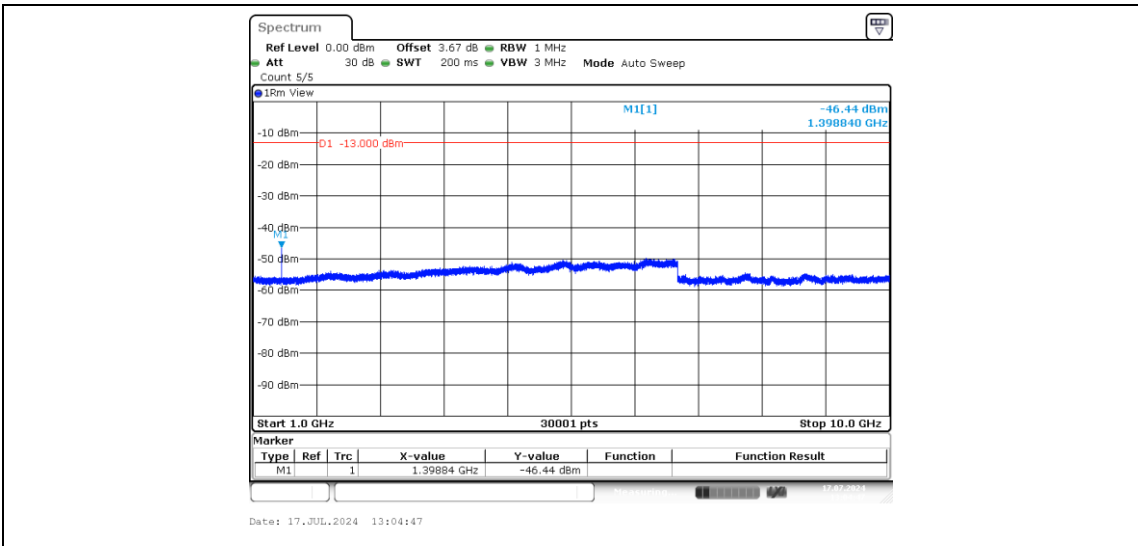
Band12-5MHz-16QAM-23035-1-0-Low-0.009-0.15--75.58-PASS



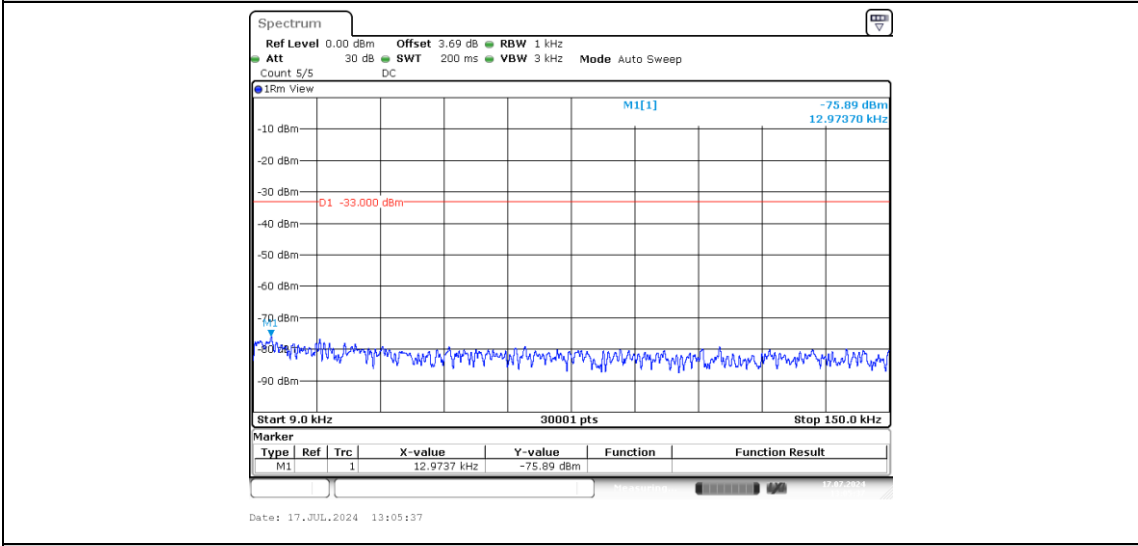
Band12-5MHz-16QAM-23035-1-0-Low-0.15-30--38.9-PASS



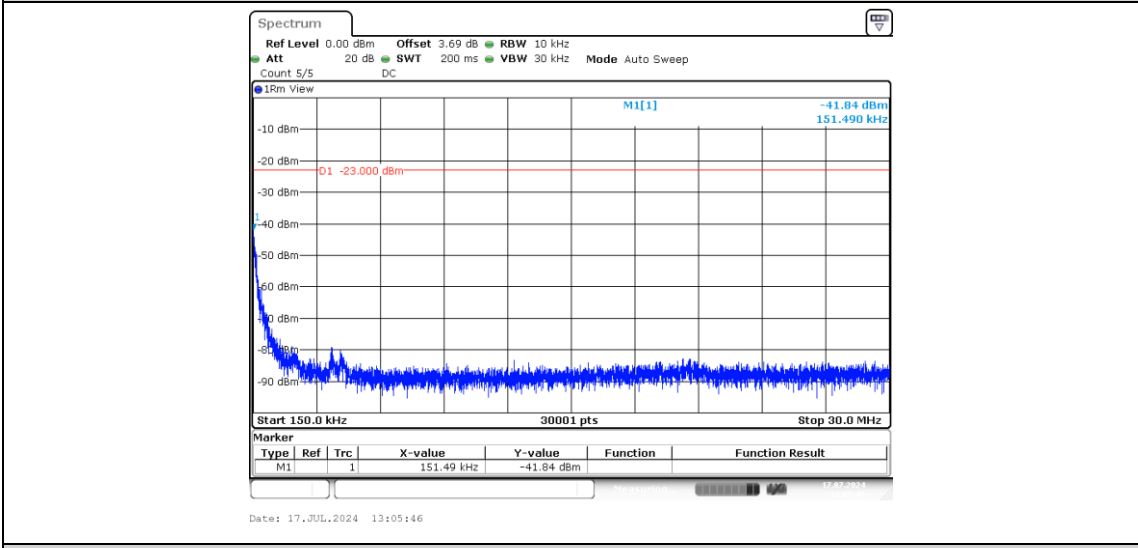
Band12-5MHz-16QAM-23035-1-0-Low-30-1000--64.5-PASS



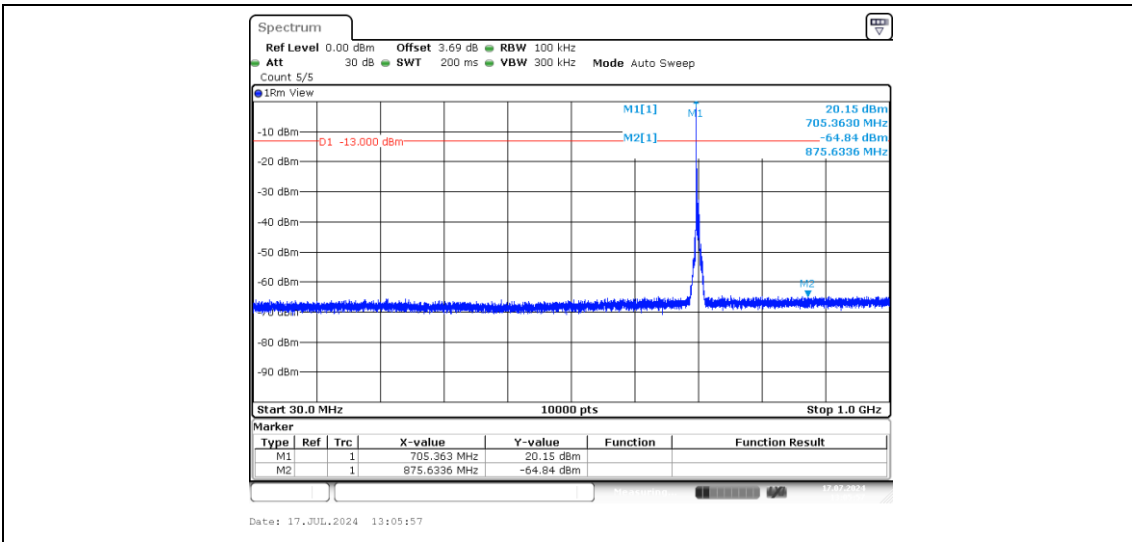
Band12-5MHz-16QAM-23035-1-0-Low-1000-10000--46.44-PASS



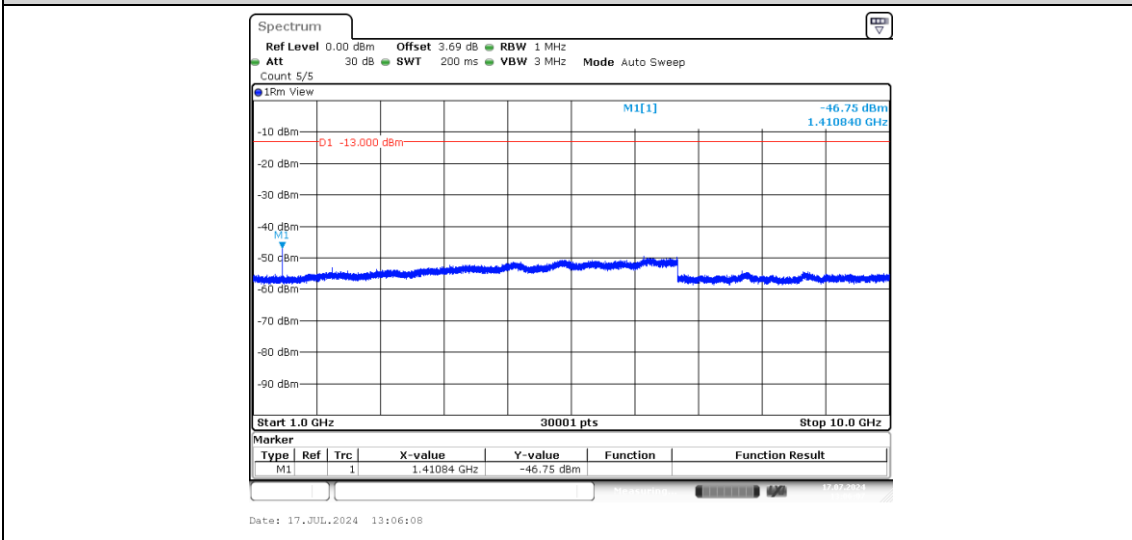
Band12-5MHz-16QAM-23095-1-0-Low-0.009-0.15--75.89-PASS



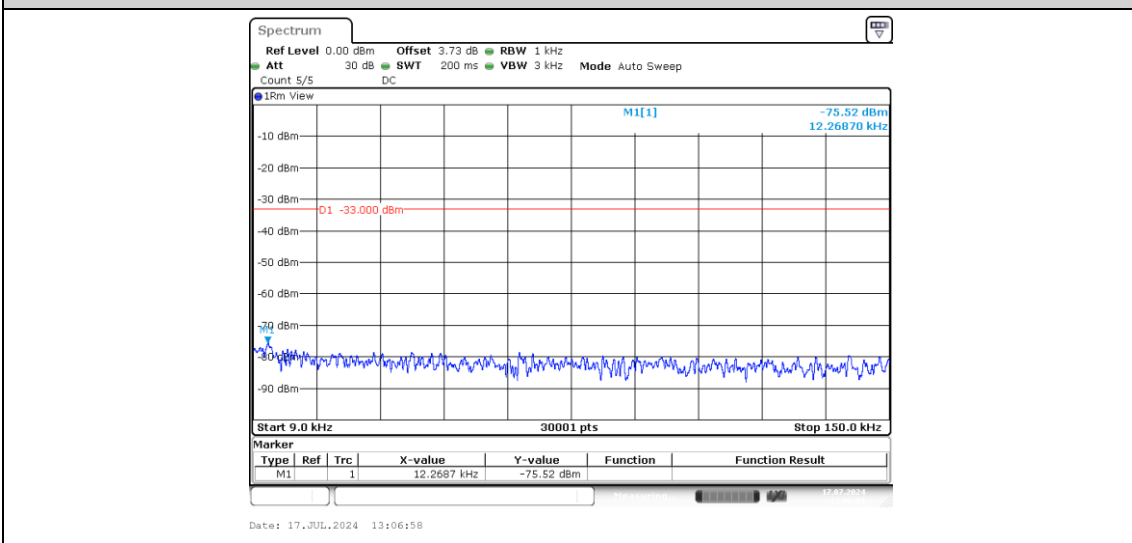
Band12-5MHz-16QAM-23095-1-0-Low-0.15-30--41.84-PASS



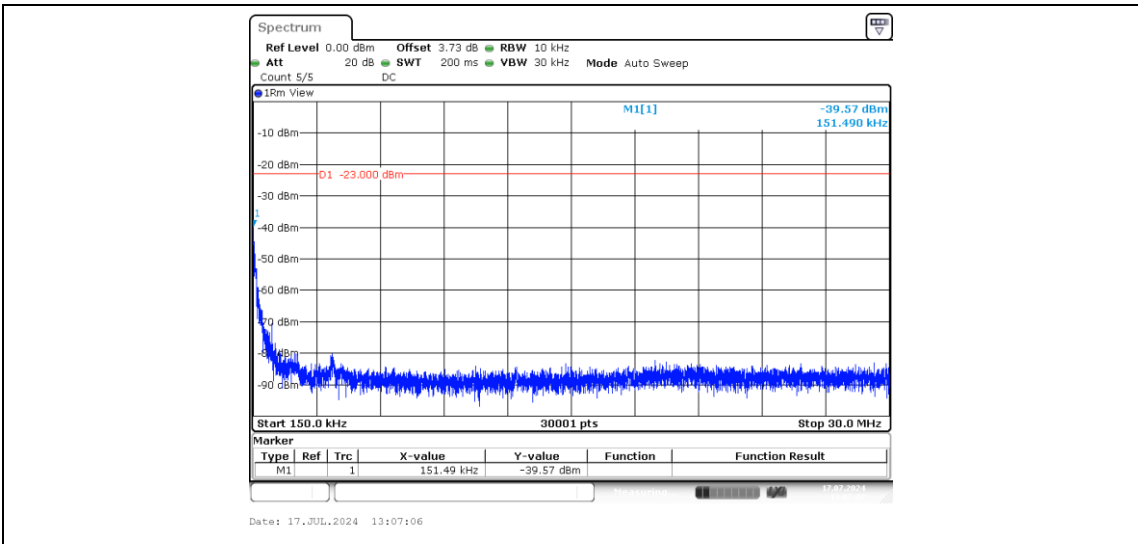
**Band12-5MHz-16QAM-23095-1-0-Low-30-1000--64.84-PASS**



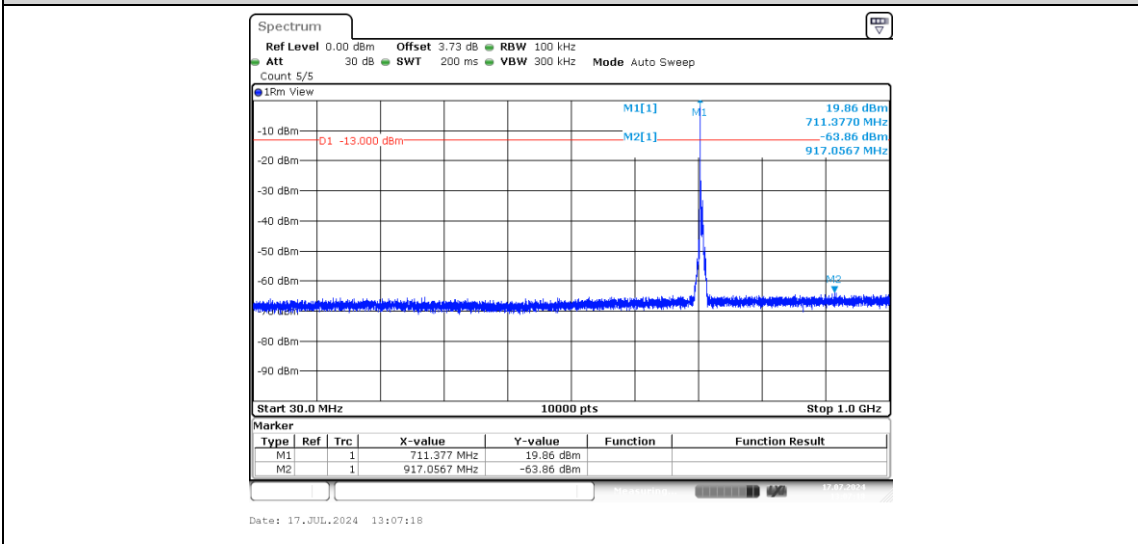
**Band12-5MHz-16QAM-23095-1-0-Low-1000-10000--46.75-PASS**



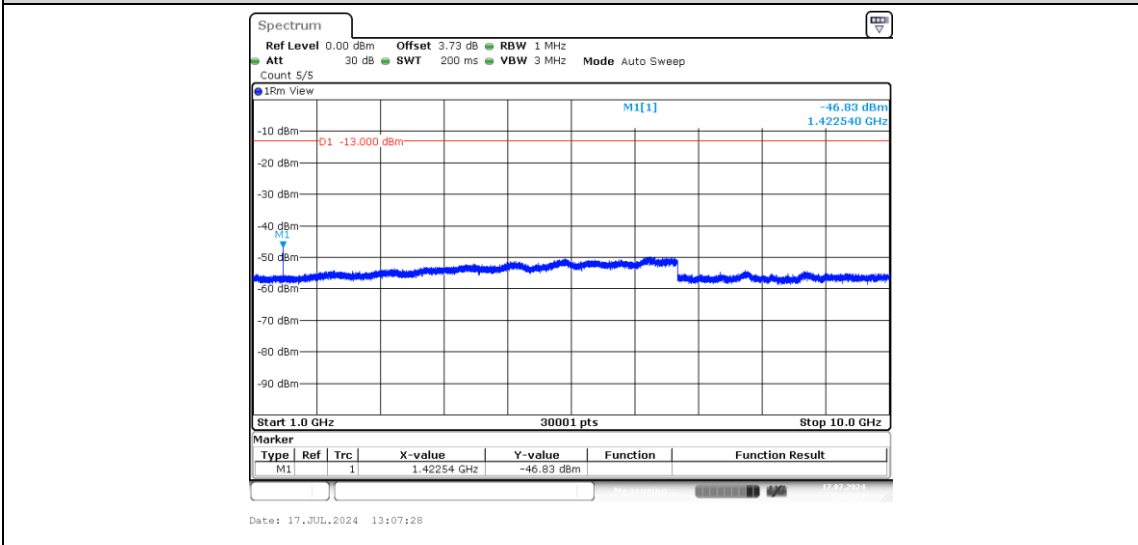
**Band12-5MHz-16QAM-23155-1-0-High-0.009-0.15--75.52-PASS**



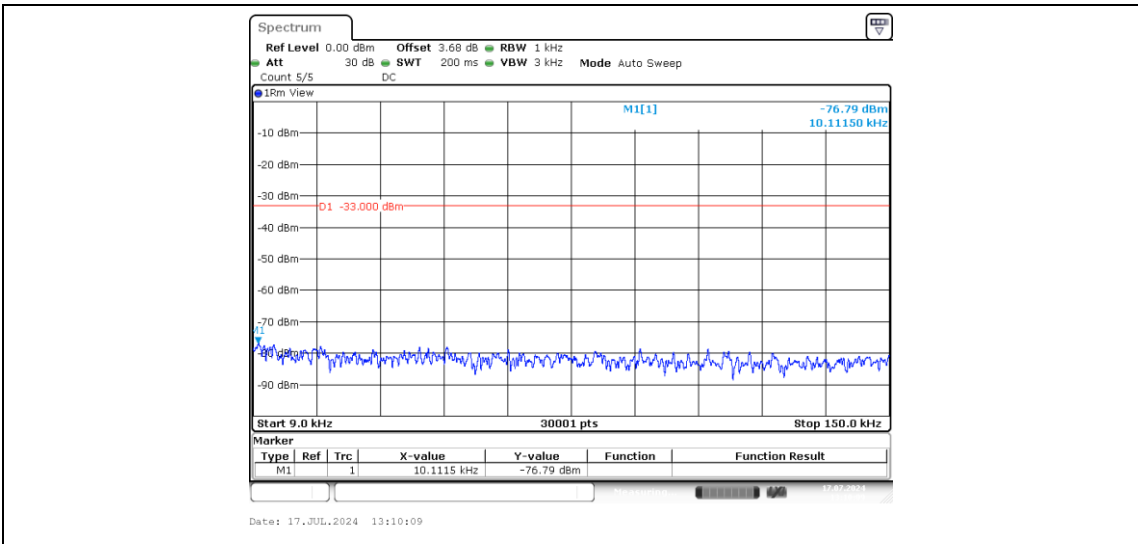
Band12-5MHz-16QAM-23155-1-0-High-0.15-30--39.57-PASS



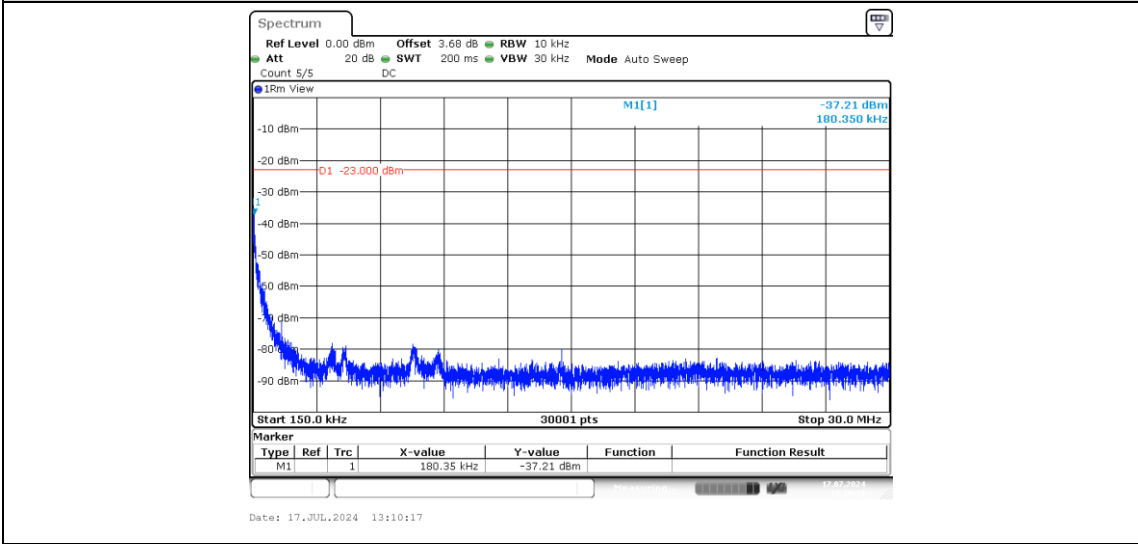
Band12-5MHz-16QAM-23155-1-0-High-30-1000--63.86-PASS



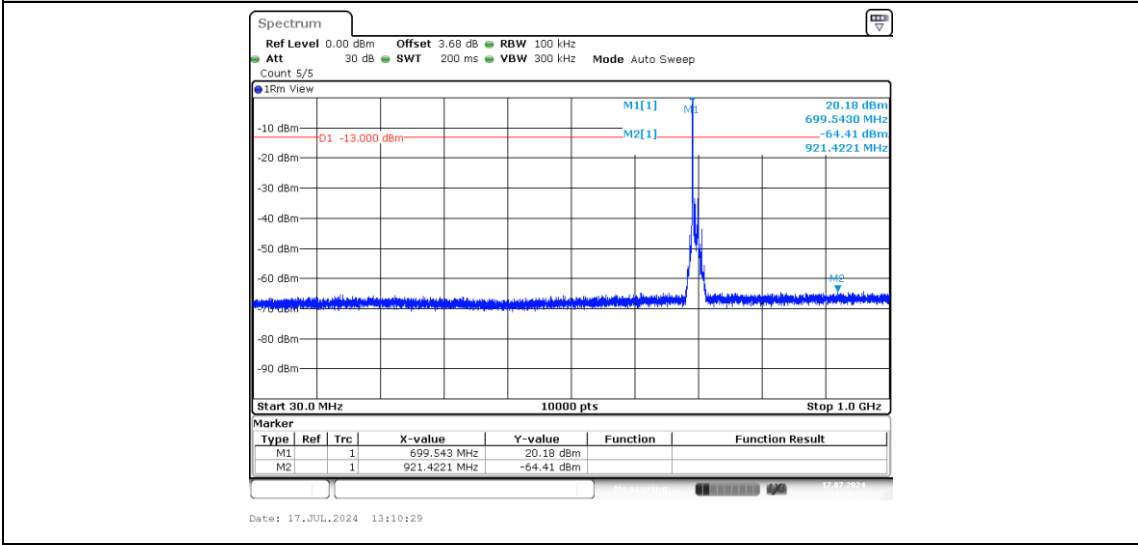
Band12-5MHz-16QAM-23155-1-0-High-1000-10000--46.83-PASS



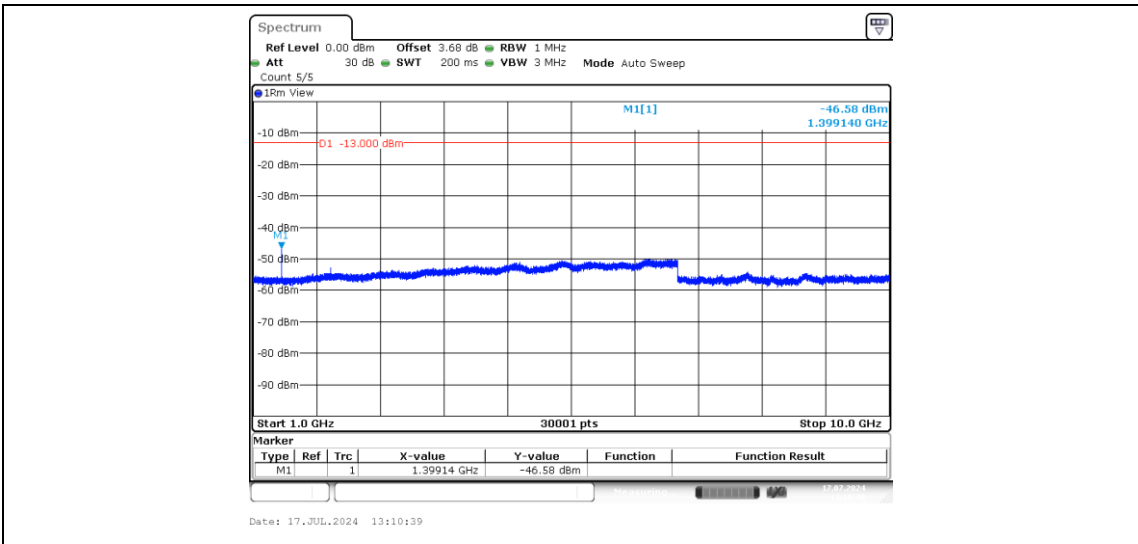
Band12-10MHz-QPSK-23060-1-0-Low-0.009-0.15--76.79-PASS



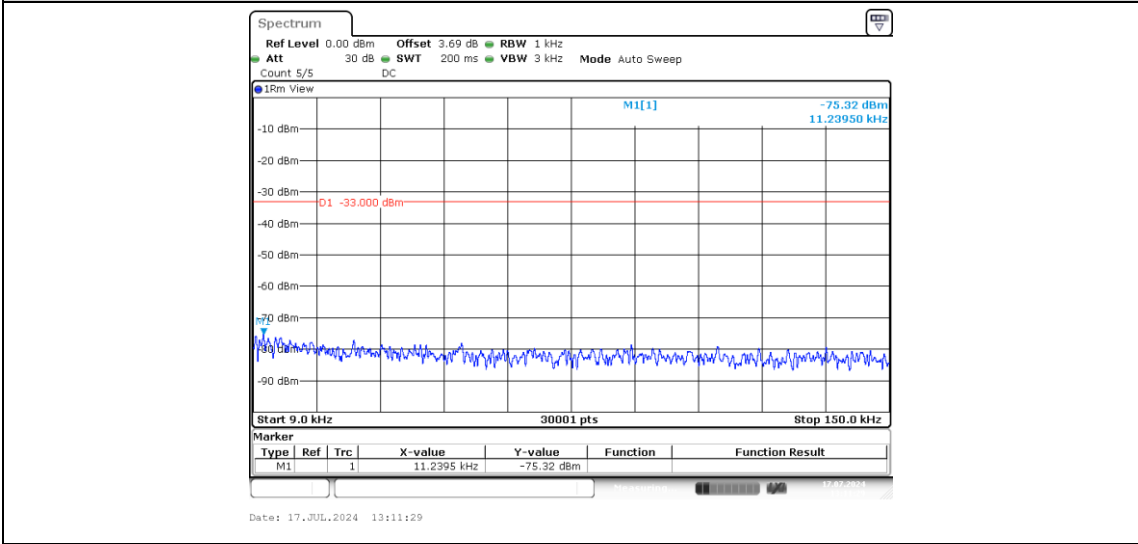
Band12-10MHz-QPSK-23060-1-0-Low-0.15-30--37.21-PASS



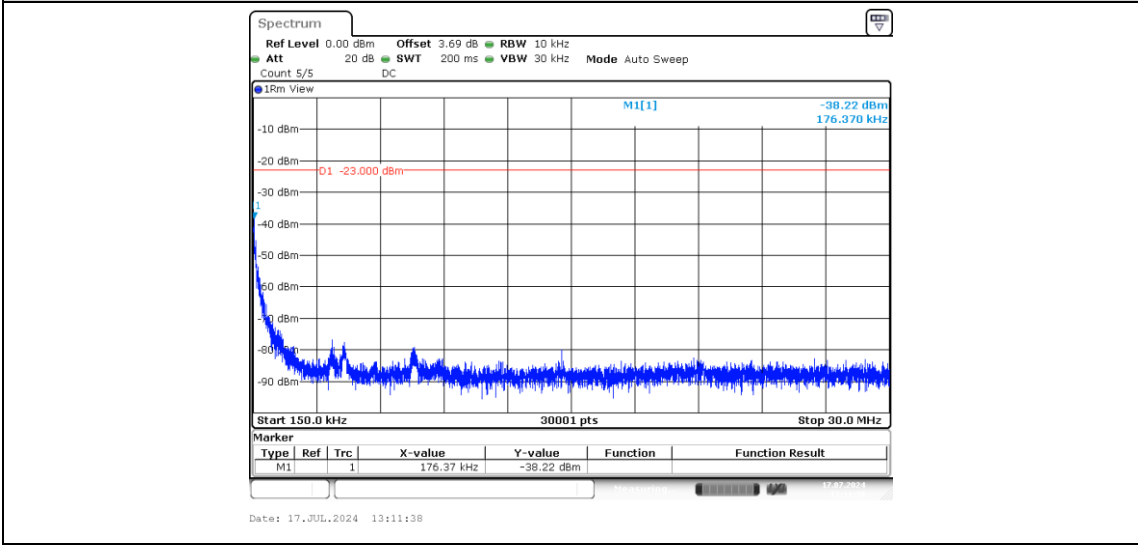
Band12-10MHz-QPSK-23060-1-0-Low-30-1000--64.41-PASS



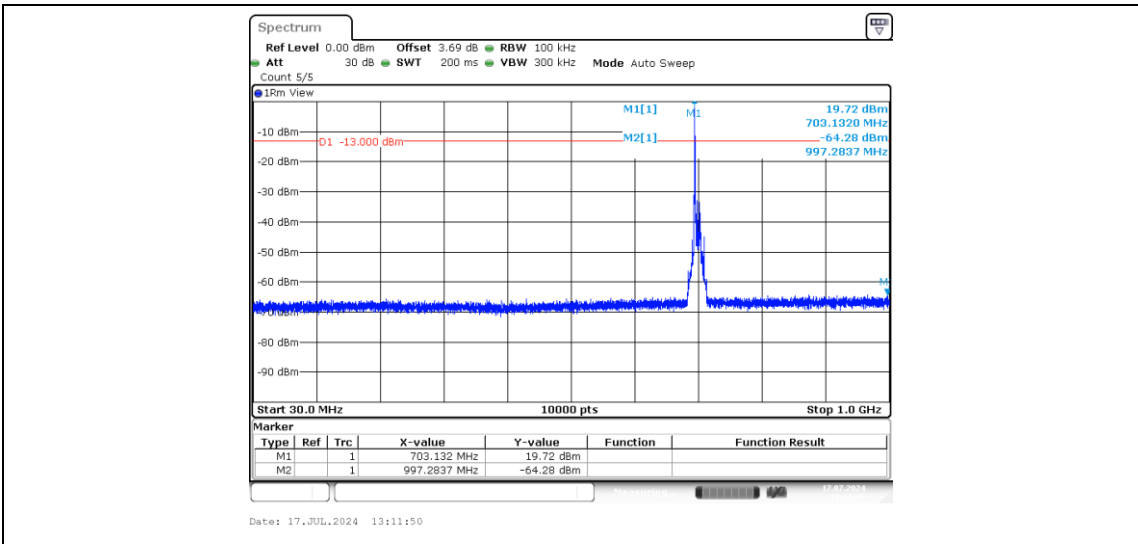
Band12-10MHz-QPSK-23060-1-0-Low-1000-10000--46.58-PASS



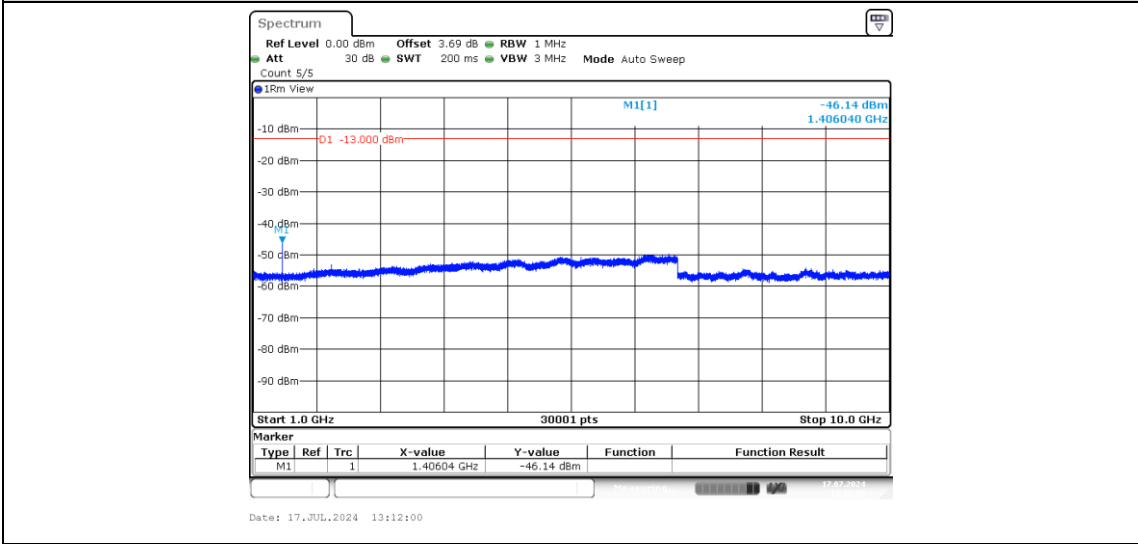
Band12-10MHz-QPSK-23095-1-0-Low-0.009-0.15--75.32-PASS



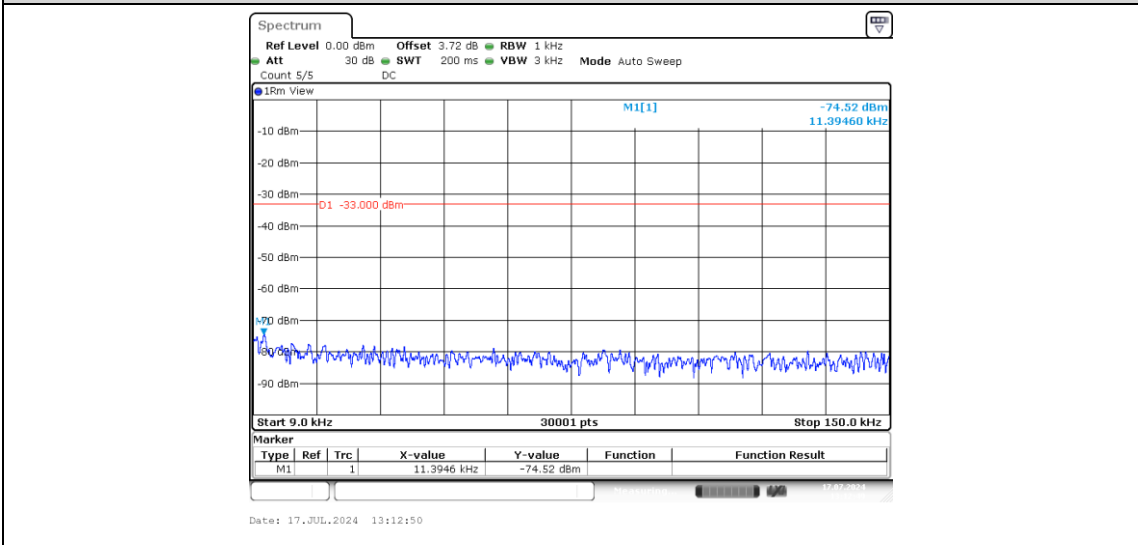
Band12-10MHz-QPSK-23095-1-0-Low-0.15-30--38.22-PASS



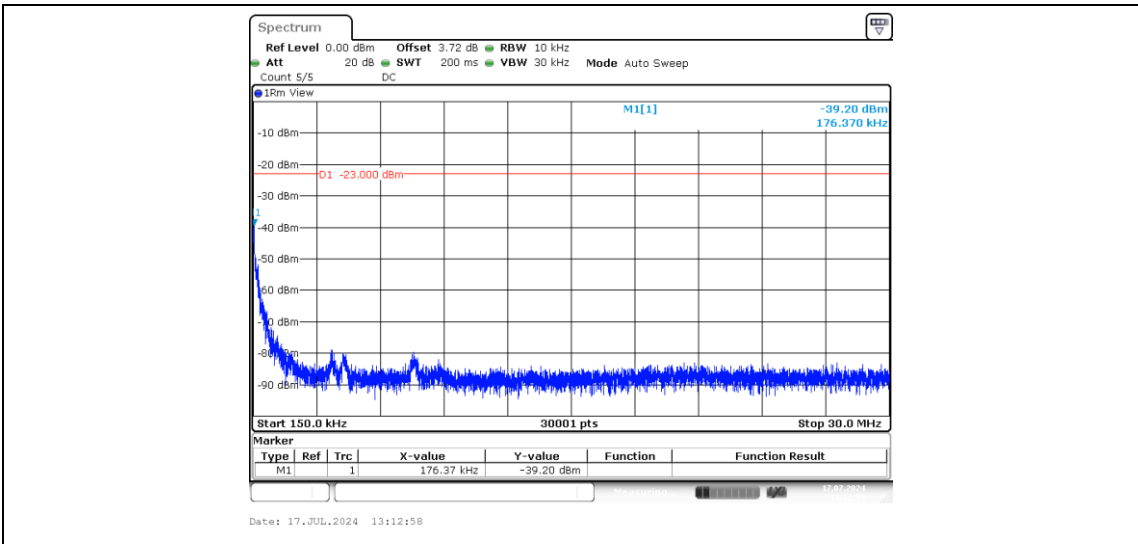
Band12-10MHz-QPSK-23095-1-0-Low-30-1000--64.28-PASS



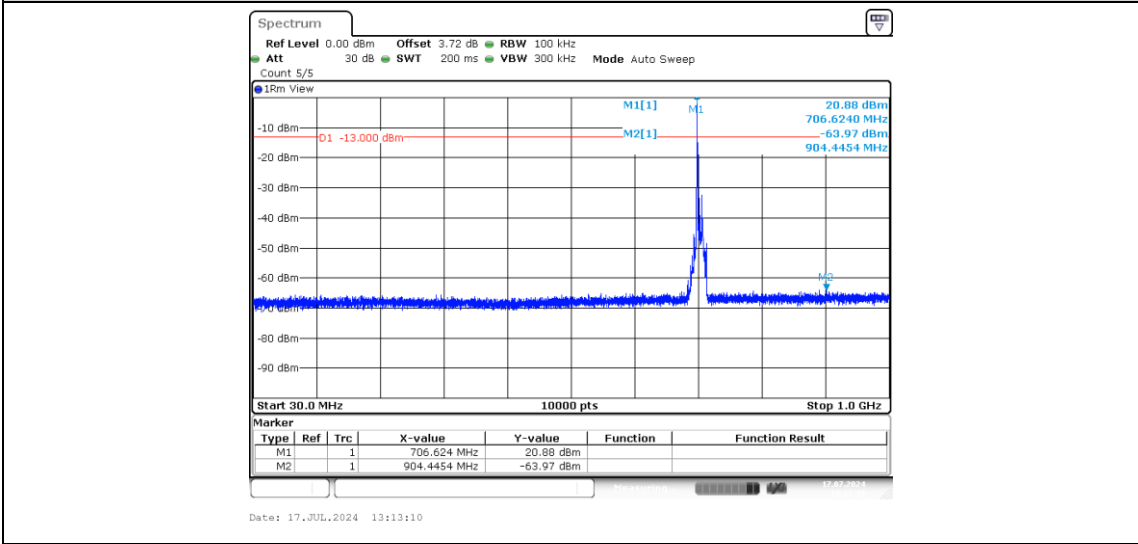
Band12-10MHz-QPSK-23095-1-0-Low-1000-10000--46.14-PASS



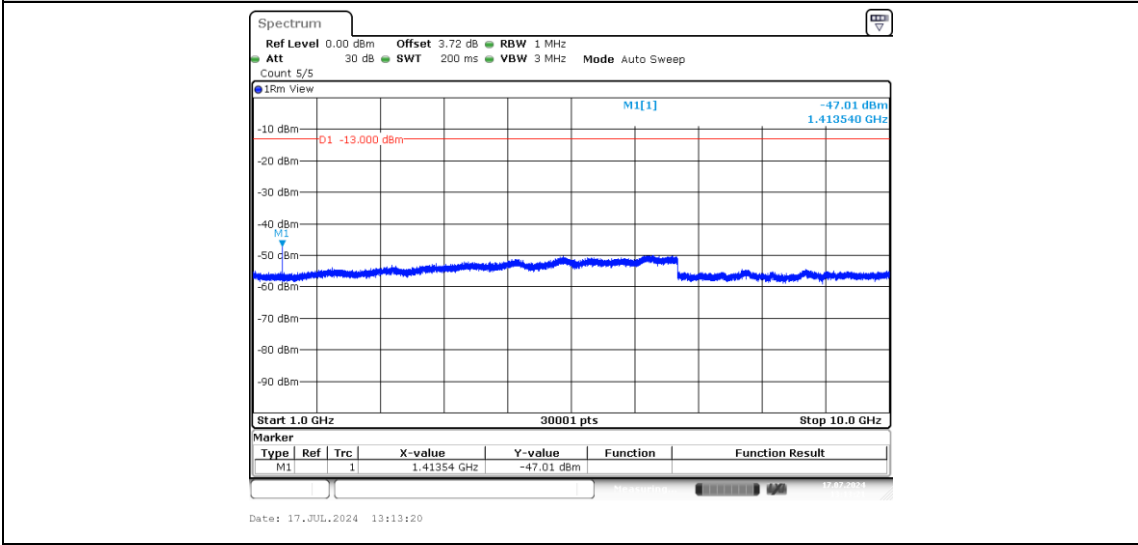
Band12-10MHz-QPSK-23130-1-0-High-0.009-0.15--74.52-PASS



Band12-10MHz-QPSK-23130-1-0-High-0.15-30--39.2-PASS

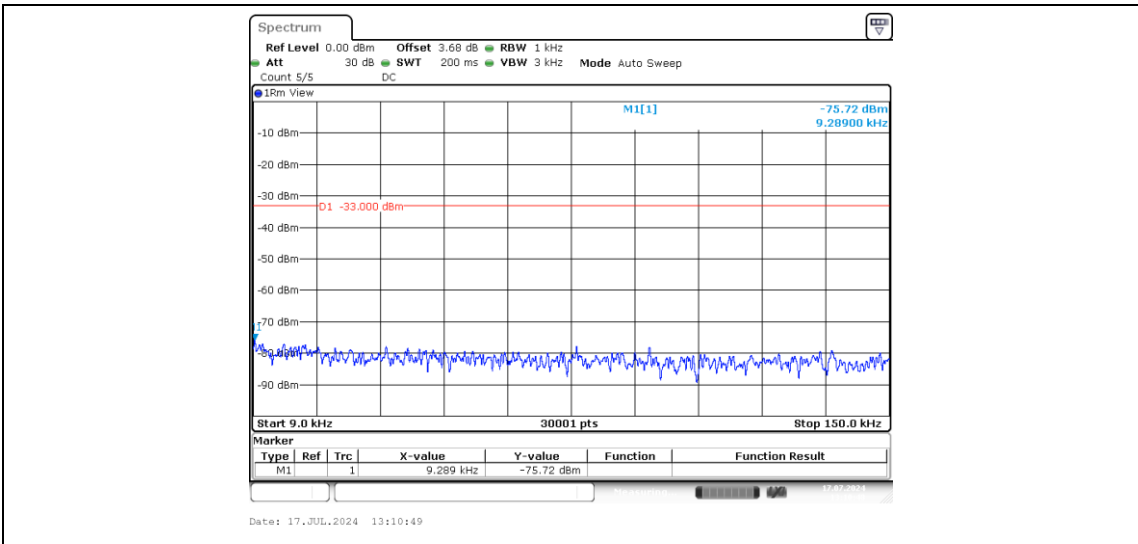


Band12-10MHz-QPSK-23130-1-0-High-30-1000--63.97-PASS

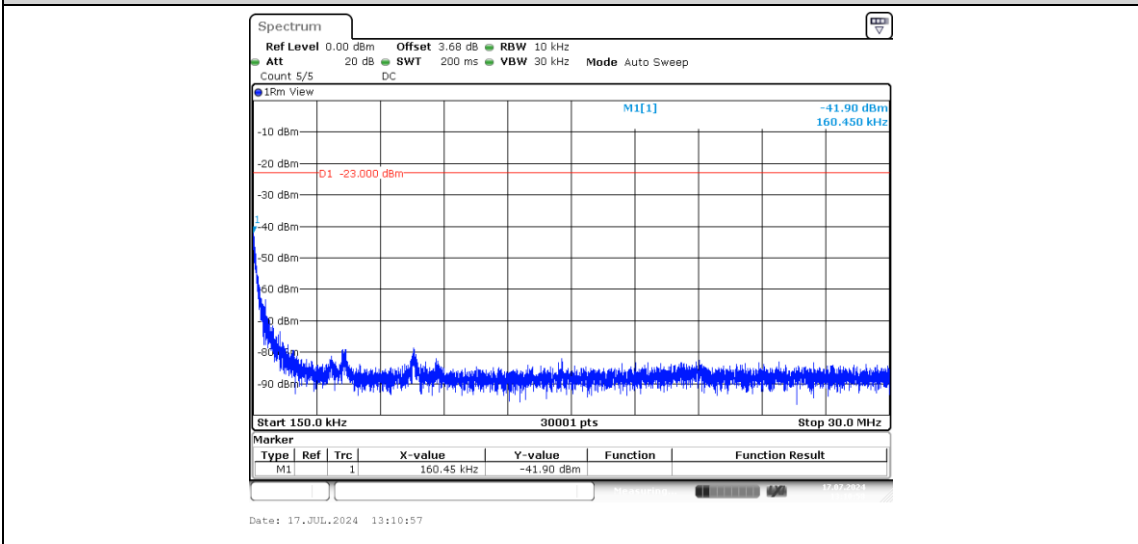


Band12-10MHz-QPSK-23130-1-0-High-1000-10000--47.01-PASS

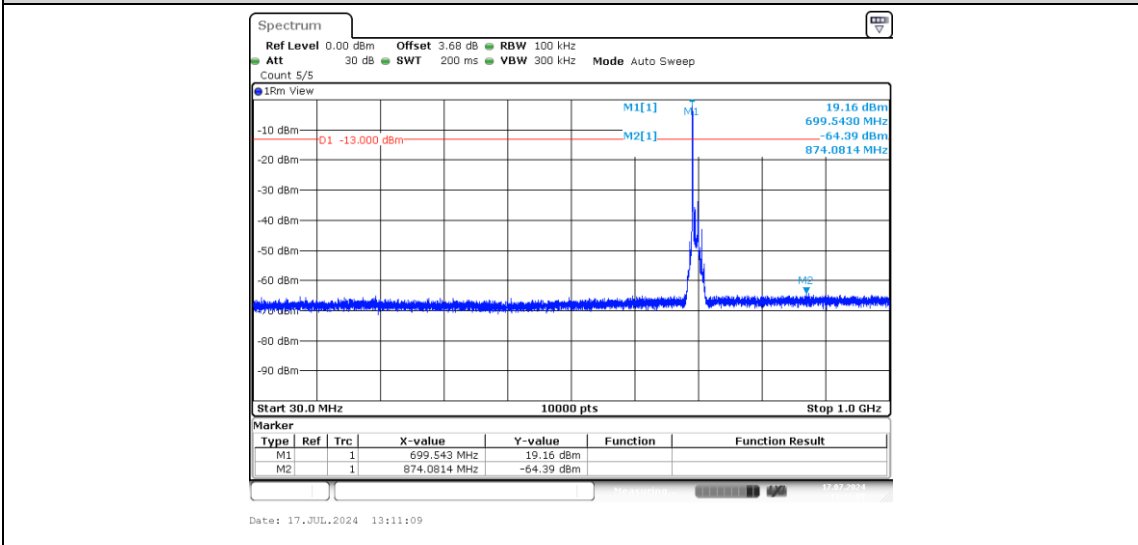




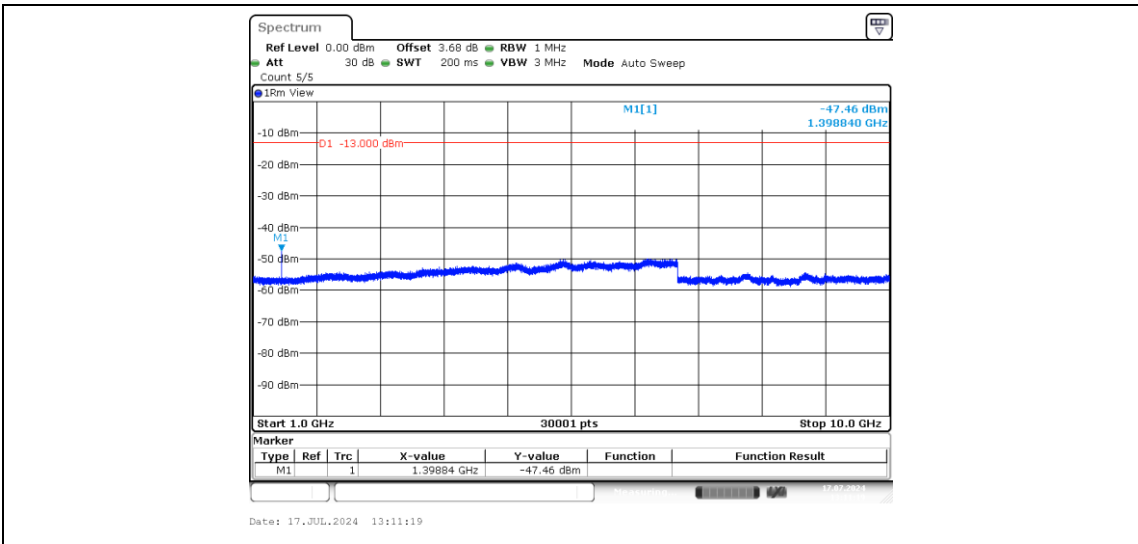
Band12-10MHz-16QAM-23060-1-0-Low-0.009-0.15--75.72-PASS



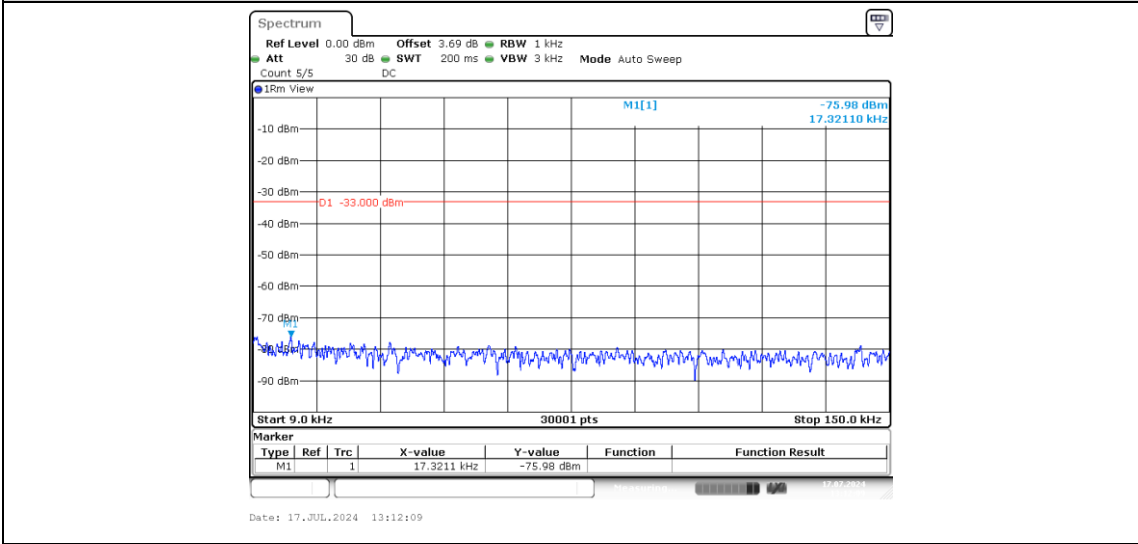
Band12-10MHz-16QAM-23060-1-0-Low-0.15-30--41.9-PASS



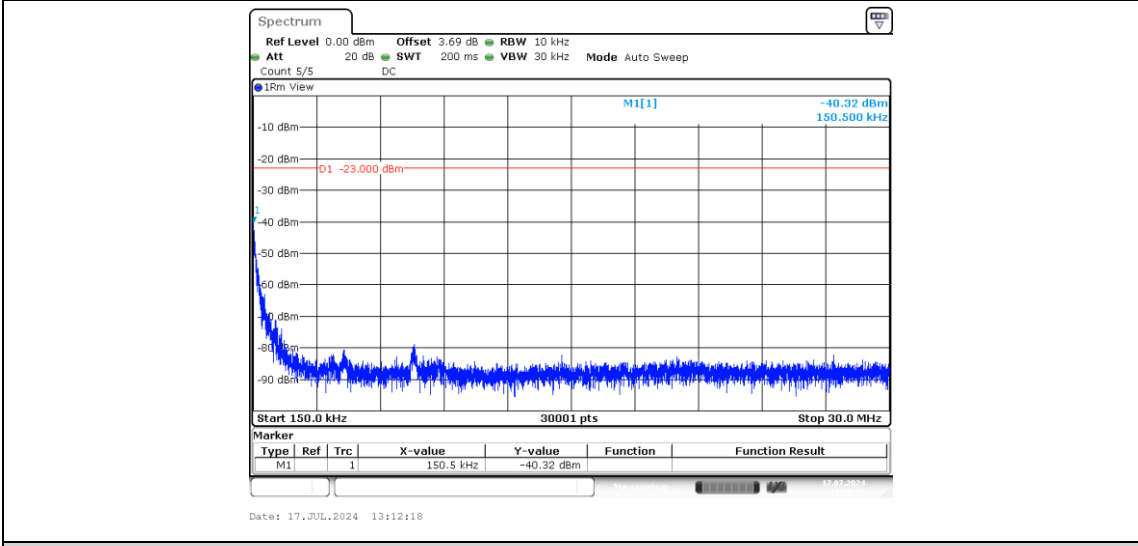
Band12-10MHz-16QAM-23060-1-0-Low-30-1000--64.39-PASS



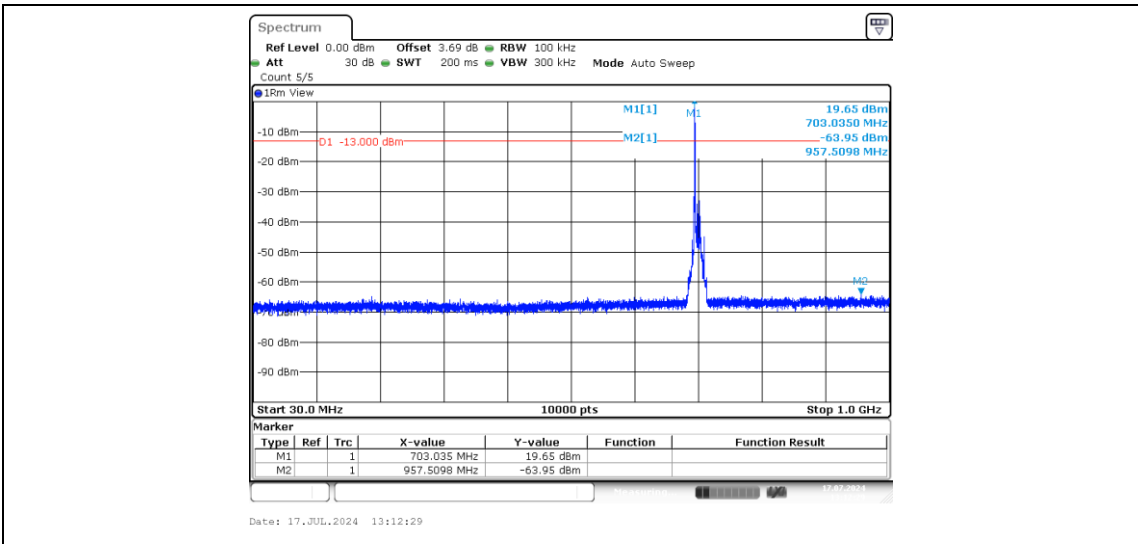
Band12-10MHz-16QAM-23060-1-0-Low-1000-10000--47.46-PASS



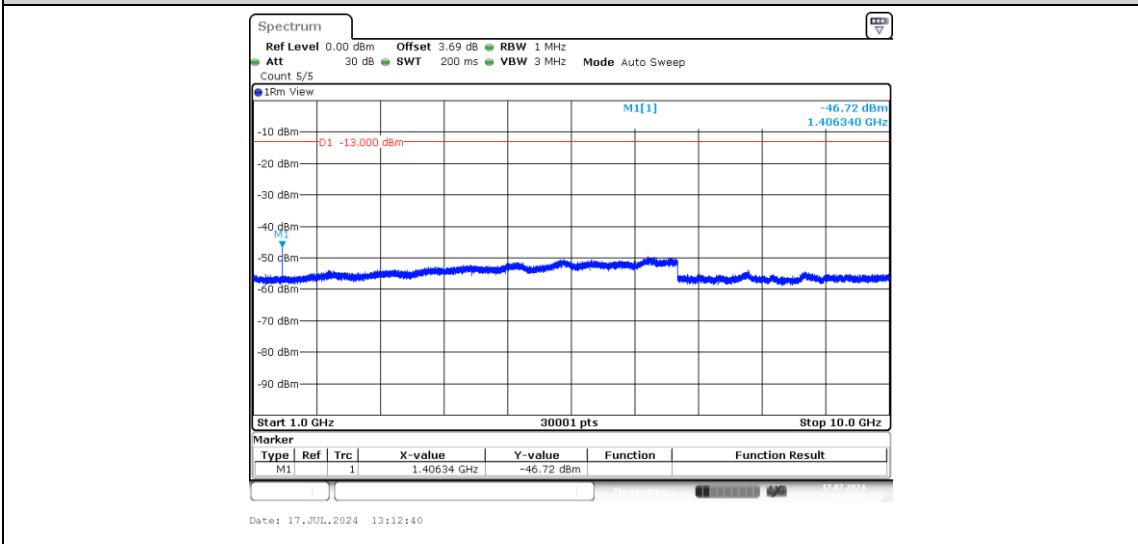
Band12-10MHz-16QAM-23095-1-0-Low-0.009-0.15--75.98-PASS



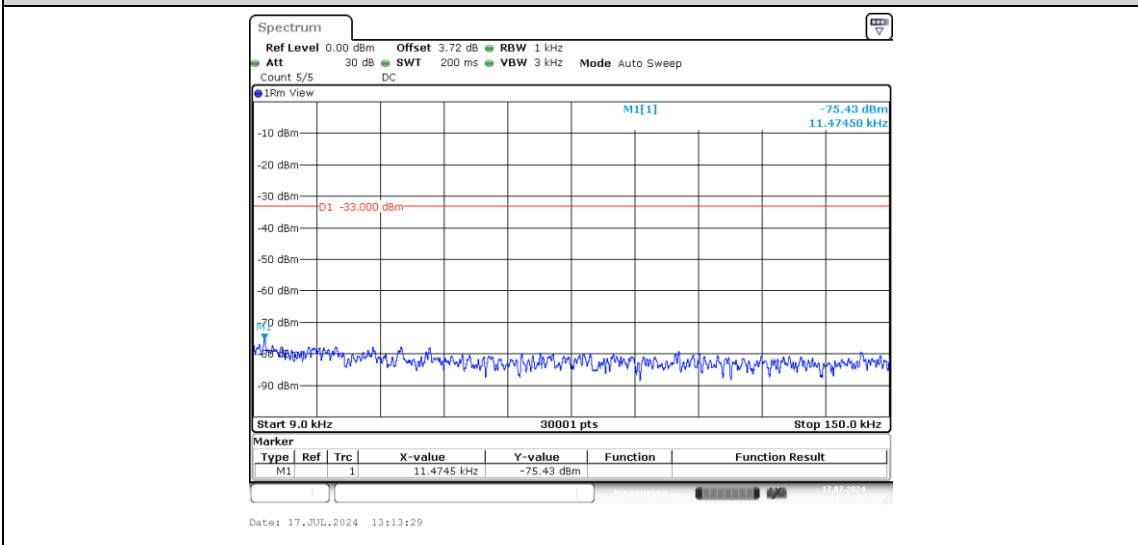
Band12-10MHz-16QAM-23095-1-0-Low-0.15-30--40.32-PASS



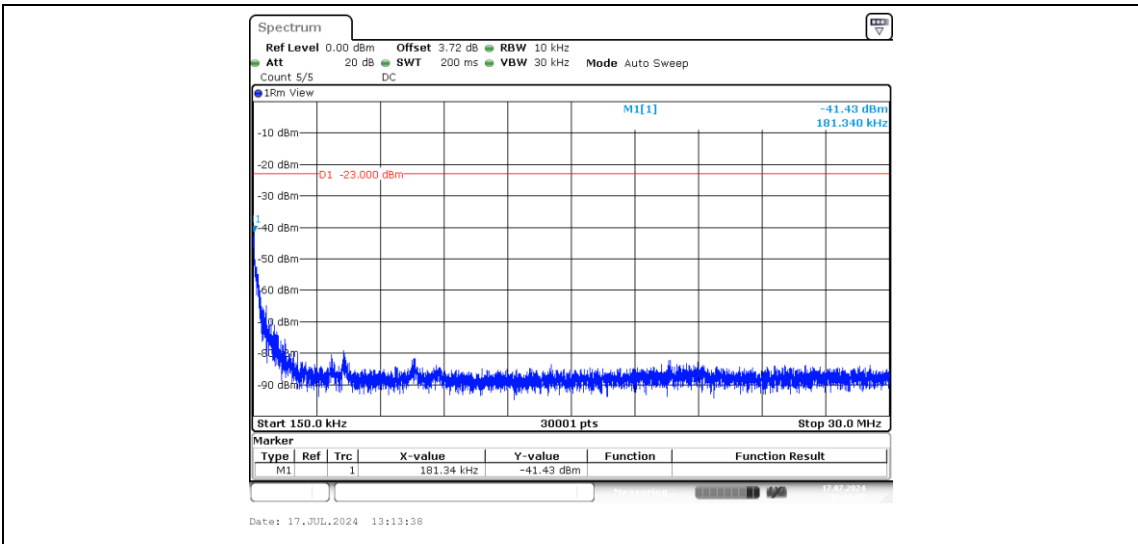
Band12-10MHz-16QAM-23095-1-0-Low-30-1000--63.95-PASS



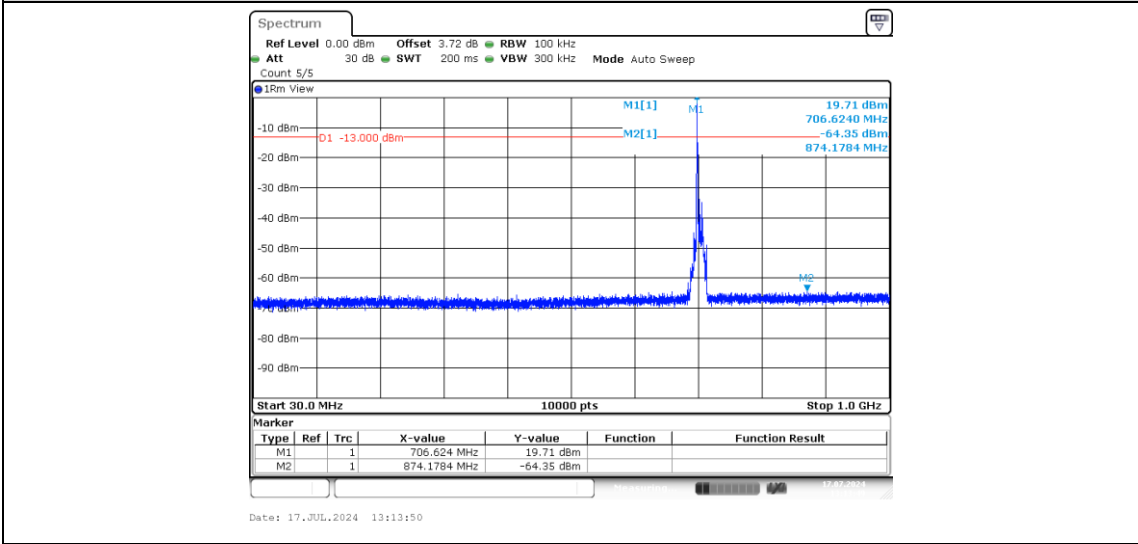
Band12-10MHz-16QAM-23095-1-0-Low-1000-10000--46.72-PASS



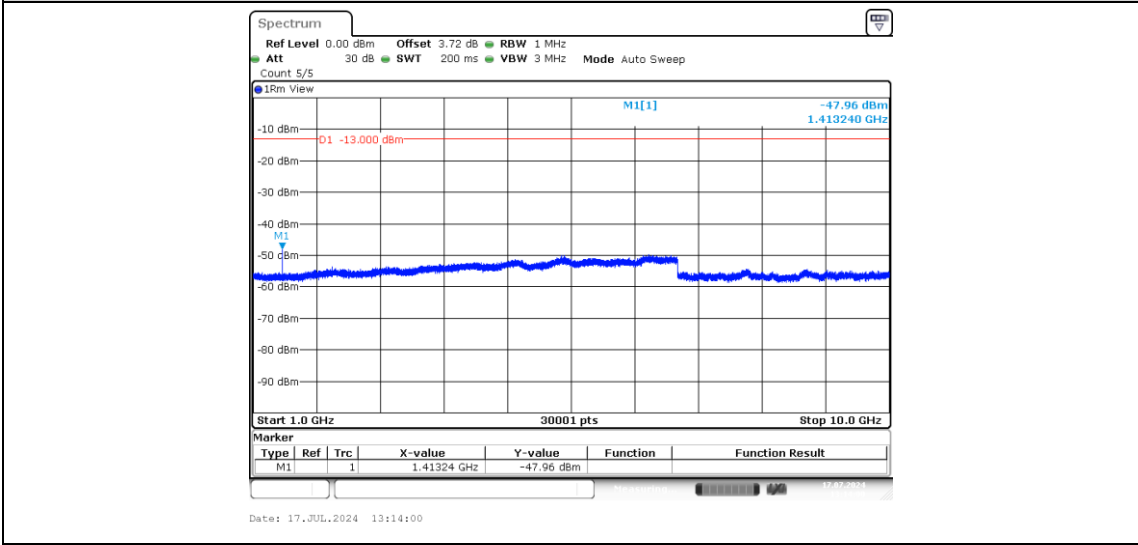
Band12-10MHz-16QAM-23130-1-0-High-0.009-0.15--75.43-PASS



Band12-10MHz-16QAM-23130-1-0-High-0.15-30--41.43-PASS



Band12-10MHz-16QAM-23130-1-0-High-30-1000--64.35-PASS



Band12-10MHz-16QAM-23130-1-0-High-1000-10000--47.96-PASS

## Appendix F: Frequency Stability for M1

### Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Voltage						Verdict
							Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)		
Band12	5MHz	23035	QPSK	6	0	Low	VL	NT	4.69	0.006686	±2.5	PASS	
Band12	5MHz	23035	QPSK	6	0	Low	VH	NT	6.22	0.008867	±2.5	PASS	
Band12	5MHz	23035	QPSK	6	0	Low	VN	NT	4.65	0.006629	±2.5	PASS	
Band12	5MHz	23095	QPSK	6	0	Low	VH	NT	5.52	0.007802	±2.5	PASS	
Band12	5MHz	23095	QPSK	6	0	Low	VN	NT	4.28	0.006049	±2.5	PASS	
Band12	5MHz	23095	QPSK	6	0	Low	VL	NT	4.49	0.006346	±2.5	PASS	
Band12	5MHz	23155	QPSK	6	0	High	VH	NT	5.81	0.008143	±2.5	PASS	
Band12	5MHz	23155	QPSK	6	0	High	VL	NT	5.42	0.007596	±2.5	PASS	
Band12	5MHz	23155	QPSK	6	0	High	VN	NT	5.15	0.007218	±2.5	PASS	
Band12	5MHz	23035	16QAM	6	0	Low	VN	NT	6.27	0.008938	±2.5	PASS	
Band12	5MHz	23035	16QAM	6	0	Low	VL	NT	5.12	0.007299	±2.5	PASS	
Band12	5MHz	23035	16QAM	6	0	Low	VH	NT	5.16	0.007356	±2.5	PASS	
Band12	5MHz	23095	16QAM	6	0	Low	VH	NT	4.08	0.005767	±2.5	PASS	
Band12	5MHz	23095	16QAM	6	0	Low	VN	NT	4.16	0.005880	±2.5	PASS	
Band12	5MHz	23095	16QAM	6	0	Low	VL	NT	4.53	0.006403	±2.5	PASS	
Band12	5MHz	23155	16QAM	6	0	High	VL	NT	7.08	0.009923	±2.5	PASS	
Band12	5MHz	23155	16QAM	6	0	High	VN	NT	6.08	0.008521	±2.5	PASS	

Ban d12	5MH z	2315 5	16Q AM	6	0	Hi gh	VH	NT	6.37	0.008 928	±2. 5	PA SS
Ban d12	10M Hz	2306 0	QPS K	6	0	Lo w	VL	NT	-9.91	-0.014 077	±2. 5	PA SS
Ban d12	10M Hz	2306 0	QPS K	6	0	Lo w	VH	NT	-8.48	-0.012 045	±2. 5	PA SS
Ban d12	10M Hz	2306 0	QPS K	6	0	Lo w	VN	NT	-8.54	-0.012 131	±2. 5	PA SS
Ban d12	10M Hz	2309 5	QPS K	6	0	Lo w	VH	NT	3.06	0.004 325	±2. 5	PA SS
Ban d12	10M Hz	2309 5	QPS K	6	0	Lo w	VN	NT	-4.73	-0.006 686	±2. 5	PA SS
Ban d12	10M Hz	2309 5	QPS K	6	0	Lo w	VL	NT	-3.65	-0.005 159	±2. 5	PA SS
Ban d12	10M Hz	2313 0	QPS K	6	0	Hi gh	VH	NT	-9.77	-0.013 741	±2. 5	PA SS
Ban d12	10M Hz	2313 0	QPS K	6	0	Hi gh	VL	NT	-9.37	-0.013 179	±2. 5	PA SS
Ban d12	10M Hz	2313 0	QPS K	6	0	Hi gh	VN	NT	-10.0 0	-0.014 065	±2. 5	PA SS
Ban d12	10M Hz	2306 0	16Q AM	6	0	Lo w	VN	NT	-9.20	-0.013 068	±2. 5	PA SS
Ban d12	10M Hz	2306 0	16Q AM	6	0	Lo w	VL	NT	-8.53	-0.012 116	±2. 5	PA SS
Ban d12	10M Hz	2306 0	16Q AM	6	0	Lo w	VH	NT	-8.73	-0.012 401	±2. 5	PA SS
Ban d12	10M Hz	2309 5	16Q AM	6	0	Lo w	VH	NT	-3.39	-0.004 792	±2. 5	PA SS
Ban d12	10M Hz	2309 5	16Q AM	6	0	Lo w	VN	NT	-2.92	-0.004 127	±2. 5	PA SS
Ban d12	10M Hz	2309 5	16Q AM	6	0	Lo w	VL	NT	-3.32	-0.004 693	±2. 5	PA SS
Ban d12	10M Hz	2313 0	16Q AM	6	0	Hi gh	VH	NT	-9.61	-0.013 516	±2. 5	PA SS
Ban d12	10M Hz	2313 0	16Q AM	6	0	Hi gh	VN	NT	-9.16	-0.012 883	±2. 5	PA SS
Ban d12	10M Hz	2313 0	16Q AM	6	0	Hi gh	VL	NT	-8.70	-0.012 236	±2. 5	PA SS

		Temperature										
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band 12	5MHz	23035	QPSK	6	0	Low	NV	40	5.28	0.007527	±2.5	PASS
Band 12	5MHz	23035	QPSK	6	0	Low	NV	50	5.32	0.007584	±2.5	PASS
Band 12	5MHz	23035	QPSK	6	0	Low	NV	30	4.69	0.006686	±2.5	PASS
Band 12	5MHz	23035	QPSK	6	0	Low	NV	20	5.18	0.007384	±2.5	PASS
Band 12	5MHz	23035	QPSK	6	0	Low	NV	10	6.09	0.008681	±2.5	PASS
Band 12	5MHz	23035	QPSK	6	0	Low	NV	0	5.38	0.007669	±2.5	PASS
Band 12	5MHz	23035	QPSK	6	0	Low	NV	-10	5.02	0.007156	±2.5	PASS
Band 12	5MHz	23035	QPSK	6	0	Low	NV	-20	5.65	0.008054	±2.5	PASS
Band 12	5MHz	23035	QPSK	6	0	Low	NV	-30	4.98	0.007099	±2.5	PASS
Band 12	5MHz	23095	QPSK	6	0	Low	NV	-30	4.65	0.006572	±2.5	PASS
Band 12	5MHz	23095	QPSK	6	0	Low	NV	-20	5.38	0.007604	±2.5	PASS
Band 12	5MHz	23095	QPSK	6	0	Low	NV	40	4.31	0.006092	±2.5	PASS
Band 12	5MHz	23095	QPSK	6	0	Low	NV	30	4.42	0.006247	±2.5	PASS
Band 12	5MHz	23095	QPSK	6	0	Low	NV	20	5.21	0.007364	±2.5	PASS
Band 12	5MHz	23095	QPSK	6	0	Low	NV	10	4.31	0.006092	±2.5	PASS
Band 12	5MHz	23095	QPSK	6	0	Low	NV	0	4.96	0.007011	±2.5	PASS
Band 12	5MHz	23095	QPSK	6	0	Low	NV	-10	4.16	0.005880	±2.5	PASS
Band 12	5MHz	23095	QPSK	6	0	Low	NV	50	4.72	0.006671	±2.5	PASS
Band 12	5MHz	23155	QPSK	6	0	High	NV	50	5.24	0.007344	±2.5	PASS

Band 12	5MH z	2315 5	QPS K	6	0	Hig h	NV	-20	6.79	0.0095 16	±2. 5	PA SS
Band 12	5MH z	2315 5	QPS K	6	0	Hig h	NV	-30	6.05	0.0084 79	±2. 5	PA SS
Band 12	5MH z	2315 5	QPS K	6	0	Hig h	NV	-10	6.32	0.0088 58	±2. 5	PA SS
Band 12	5MH z	2315 5	QPS K	6	0	Hig h	NV	0	5.68	0.0079 61	±2. 5	PA SS
Band 12	5MH z	2315 5	QPS K	6	0	Hig h	NV	10	5.69	0.0079 75	±2. 5	PA SS
Band 12	5MH z	2315 5	QPS K	6	0	Hig h	NV	20	5.94	0.0083 25	±2. 5	PA SS
Band 12	5MH z	2315 5	QPS K	6	0	Hig h	NV	30	5.88	0.0082 41	±2. 5	PA SS
Band 12	5MH z	2315 5	QPS K	6	0	Hig h	NV	40	6.18	0.0086 62	±2. 5	PA SS
Band 12	5MH z	2303 5	16Q AM	6	0	Lo w	NV	50	4.78	0.0068 14	±2. 5	PA SS
Band 12	5MH z	2303 5	16Q AM	6	0	Lo w	NV	-20	5.09	0.0072 56	±2. 5	PA SS
Band 12	5MH z	2303 5	16Q AM	6	0	Lo w	NV	-10	6.24	0.0088 95	±2. 5	PA SS
Band 12	5MH z	2303 5	16Q AM	6	0	Lo w	NV	0	5.98	0.0085 25	±2. 5	PA SS
Band 12	5MH z	2303 5	16Q AM	6	0	Lo w	NV	10	5.36	0.0076 41	±2. 5	PA SS
Band 12	5MH z	2303 5	16Q AM	6	0	Lo w	NV	20	4.99	0.0071 13	±2. 5	PA SS
Band 12	5MH z	2303 5	16Q AM	6	0	Lo w	NV	30	5.58	0.0079 54	±2. 5	PA SS
Band 12	5MH z	2303 5	16Q AM	6	0	Lo w	NV	40	5.75	0.0081 97	±2. 5	PA SS
Band 12	5MH z	2303 5	16Q AM	6	0	Lo w	NV	-30	6.47	0.0092 23	±2. 5	PA SS
Band 12	5MH z	2309 5	16Q AM	6	0	Lo w	NV	-30	4.99	0.0070 53	±2. 5	PA SS
Band 12	5MH z	2309 5	16Q AM	6	0	Lo w	NV	40	4.28	0.0060 49	±2. 5	PA SS
Band 12	5MH z	2309 5	16Q AM	6	0	Lo w	NV	30	5.52	0.0078 02	±2. 5	PA SS
Band 12	5MH z	2309 5	16Q AM	6	0	Lo w	NV	20	4.55	0.0064 31	±2. 5	PA SS



Band 12	5MH z	2309 5	16Q AM	6	0	Lo w	NV	10	5.09	0.0071 94	±2. 5	PA SS
Band 12	5MH z	2309 5	16Q AM	6	0	Lo w	NV	0	5.24	0.0074 06	±2. 5	PA SS
Band 12	5MH z	2309 5	16Q AM	6	0	Lo w	NV	-10	5.39	0.0076 18	±2. 5	PA SS
Band 12	5MH z	2309 5	16Q AM	6	0	Lo w	NV	50	5.91	0.0083 53	±2. 5	PA SS
Band 12	5MH z	2309 5	16Q AM	6	0	Lo w	NV	-20	4.49	0.0063 46	±2. 5	PA SS
Band 12	5MH z	2315 5	16Q AM	6	0	Hig h	NV	50	5.98	0.0083 81	±2. 5	PA SS
Band 12	5MH z	2315 5	16Q AM	6	0	Hig h	NV	30	5.82	0.0081 57	±2. 5	PA SS
Band 12	5MH z	2315 5	16Q AM	6	0	Hig h	NV	20	6.72	0.0094 18	±2. 5	PA SS
Band 12	5MH z	2315 5	16Q AM	6	0	Hig h	NV	10	7.11	0.0099 65	±2. 5	PA SS
Band 12	5MH z	2315 5	16Q AM	6	0	Hig h	NV	0	6.39	0.0089 56	±2. 5	PA SS
Band 12	5MH z	2315 5	16Q AM	6	0	Hig h	NV	-10	5.76	0.0080 73	±2. 5	PA SS
Band 12	5MH z	2315 5	16Q AM	6	0	Hig h	NV	-30	6.88	0.0096 43	±2. 5	PA SS
Band 12	5MH z	2315 5	16Q AM	6	0	Hig h	NV	40	7.24	0.0101 47	±2. 5	PA SS
Band 12	5MH z	2315 5	16Q AM	6	0	Hig h	NV	-20	5.42	0.0075 96	±2. 5	PA SS
Band 12	10M Hz	2306 0	QPS K	6	0	Lo w	NV	40	-9.04	-0.012 841	±2. 5	PA SS
Band 12	10M Hz	2306 0	QPS K	6	0	Lo w	NV	50	-9.11	-0.012 940	±2. 5	PA SS
Band 12	10M Hz	2306 0	QPS K	6	0	Lo w	NV	30	-9.36	-0.013 295	±2. 5	PA SS
Band 12	10M Hz	2306 0	QPS K	6	0	Lo w	NV	20	-8.48	-0.012 045	±2. 5	PA SS
Band 12	10M Hz	2306 0	QPS K	6	0	Lo w	NV	10	-9.37	-0.013 310	±2. 5	PA SS
Band 12	10M Hz	2306 0	QPS K	6	0	Lo w	NV	0	-9.21	-0.013 082	±2. 5	PA SS
Band 12	10M Hz	2306 0	QPS K	6	0	Lo w	NV	-10	-8.83	-0.012 543	±2. 5	PA SS

Band 12	10M Hz	23060	QPS K	6	0	Low	NV	-20	-8.33	-0.011832	±2.5	PA SS
Band 12	10M Hz	23060	QPS K	6	0	Low	NV	-30	-9.53	-0.013537	±2.5	PA SS
Band 12	10M Hz	23095	QPS K	6	0	Low	NV	-30	-2.98	-0.004212	±2.5	PA SS
Band 12	10M Hz	23095	QPS K	6	0	Low	NV	-20	-3.35	-0.004735	±2.5	PA SS
Band 12	10M Hz	23095	QPS K	6	0	Low	NV	40	-3.30	-0.004664	±2.5	PA SS
Band 12	10M Hz	23095	QPS K	6	0	Low	NV	30	-3.32	-0.004693	±2.5	PA SS
Band 12	10M Hz	23095	QPS K	6	0	Low	NV	20	-2.79	-0.003943	±2.5	PA SS
Band 12	10M Hz	23095	QPS K	6	0	Low	NV	10	-2.92	-0.004127	±2.5	PA SS
Band 12	10M Hz	23095	QPS K	6	0	Low	NV	0	-4.12	-0.005823	±2.5	PA SS
Band 12	10M Hz	23095	QPS K	6	0	Low	NV	-10	-3.33	-0.004707	±2.5	PA SS
Band 12	10M Hz	23095	QPS K	6	0	Low	NV	50	-4.12	-0.005823	±2.5	PA SS
Band 12	10M Hz	23130	QPS K	6	0	High	NV	50	-9.66	-0.013586	±2.5	PA SS
Band 12	10M Hz	23130	QPS K	6	0	High	NV	-20	-9.08	-0.012771	±2.5	PA SS
Band 12	10M Hz	23130	QPS K	6	0	High	NV	-10	-9.24	-0.012996	±2.5	PA SS
Band 12	10M Hz	23130	QPS K	6	0	High	NV	0	-9.13	-0.012841	±2.5	PA SS
Band 12	10M Hz	23130	QPS K	6	0	High	NV	10	-9.18	-0.012911	±2.5	PA SS
Band 12	10M Hz	23130	QPS K	6	0	High	NV	20	-9.10	-0.012799	±2.5	PA SS
Band 12	10M Hz	23130	QPS K	6	0	High	NV	30	-9.77	-0.013741	±2.5	PA SS
Band 12	10M Hz	23130	QPS K	6	0	High	NV	40	-10.39	-0.014613	±2.5	PA SS
Band 12	10M Hz	23130	QPS K	6	0	High	NV	-30	-9.53	-0.013404	±2.5	PA SS
Band 12	10M Hz	23060	16Q AM	6	0	Low	NV	-10	6.08	0.008636	±2.5	PA SS

Band 12	10M Hz	23060	16Q AM	6	0	Lo w	NV	50	6.51	0.009247	±2.5	PA SS
Band 12	10M Hz	23060	16Q AM	6	0	Lo w	NV	-30	-10.33	-0.014673	±2.5	PA SS
Band 12	10M Hz	23060	16Q AM	6	0	Lo w	NV	0	5.22	0.007415	±2.5	PA SS
Band 12	10M Hz	23060	16Q AM	6	0	Lo w	NV	10	6.08	0.008636	±2.5	PA SS
Band 12	10M Hz	23060	16Q AM	6	0	Lo w	NV	20	7.62	0.010824	±2.5	PA SS
Band 12	10M Hz	23060	16Q AM	6	0	Lo w	NV	30	6.21	0.008821	±2.5	PA SS
Band 12	10M Hz	23060	16Q AM	6	0	Lo w	NV	40	5.55	0.007884	±2.5	PA SS
Band 12	10M Hz	23060	16Q AM	6	0	Lo w	NV	-20	-10.07	-0.014304	±2.5	PA SS
Band 12	10M Hz	23095	16Q AM	6	0	Lo w	NV	40	-2.63	-0.003717	±2.5	PA SS
Band 12	10M Hz	23095	16Q AM	6	0	Lo w	NV	30	3.32	0.004693	±2.5	PA SS
Band 12	10M Hz	23095	16Q AM	6	0	Lo w	NV	20	-2.10	-0.002968	±2.5	PA SS
Band 12	10M Hz	23095	16Q AM	6	0	Lo w	NV	10	2.25	0.003180	±2.5	PA SS
Band 12	10M Hz	23095	16Q AM	6	0	Lo w	NV	0	-2.83	-0.004000	±2.5	PA SS
Band 12	10M Hz	23095	16Q AM	6	0	Lo w	NV	-10	-2.92	-0.004127	±2.5	PA SS
Band 12	10M Hz	23095	16Q AM	6	0	Lo w	NV	-30	-3.42	-0.004834	±2.5	PA SS
Band 12	10M Hz	23095	16Q AM	6	0	Lo w	NV	50	-2.79	-0.003943	±2.5	PA SS
Band 12	10M Hz	23095	16Q AM	6	0	Lo w	NV	-20	-3.03	-0.004283	±2.5	PA SS
Band 12	10M Hz	23130	16Q AM	6	0	Hig h	NV	50	-9.76	-0.013727	±2.5	PA SS
Band 12	10M Hz	23130	16Q AM	6	0	Hig h	NV	40	-8.67	-0.012194	±2.5	PA SS
Band 12	10M Hz	23130	16Q AM	6	0	Hig h	NV	30	-10.29	-0.014473	±2.5	PA SS
Band 12	10M Hz	23130	16Q AM	6	0	Hig h	NV	20	-9.80	-0.013783	±2.5	PA SS

Band 12	10M Hz	2313 0	16Q AM	6	0	Hig h	NV	10	-8.77	-0.012 335	±2. 5	PA SS
Band 12	10M Hz	2313 0	16Q AM	6	0	Hig h	NV	0	-9.13	-0.012 841	±2. 5	PA SS
Band 12	10M Hz	2313 0	16Q AM	6	0	Hig h	NV	-10	-8.37	-0.011 772	±2. 5	PA SS
Band 12	10M Hz	2313 0	16Q AM	6	0	Hig h	NV	-30	-8.87	-0.012 475	±2. 5	PA SS
Band 12	10M Hz	2313 0	16Q AM	6	0	Hig h	NV	-20	-9.80	-0.013 783	±2. 5	PA SS