



CTC Laboratories, Inc.

1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China
Tel: +86-755-27521059 Fax: +86-755-27521011 [Http://www.sz-ctc.org.cn](http://www.sz-ctc.org.cn)

Appendix for LTE Band 12

**Applicant: HONGKONG U-CLOUDLINK NETWORK TECHNOLOGY
LIMITED**

**Address: Suite 603, 6/F, Laws Commercial Plaza, 788 Cheung
Sha Wan Road, Kowloon, Hong Kong**

Product Name: 4G Wireless Data Terminal

Model: GLMU21A03

FCC ID: 2AC88-GLMU21A03

TABLE OF CONTENTS

1	Summary of Test Results Data and Graph	3
1.1.	Appendix A: Conducted Power Output Data	3
1.2.	Appendix B: Peak-to-Average Ratio(CCDF)	8
1.3.	Appendix C: 26dB Bandwidth and Occupied Bandwidth	26
1.4.	Appendix D: Band Edge	35
1.5.	Appendix E: Conducted Spurious Emission	53
1.6.	Appendix F: Frequency Stability	70

1 Summary of Test Results Data and Graph

1.1. Appendix A: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	25.82	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	25.83	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	25.87	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	25.76	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	25.72	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	25.69	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	24.65	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	25.46	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	25.25	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	25.28	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	25.39	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	25.37	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	25.40	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	24.23	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	25.04	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	25.02	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	25.03	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	25.01	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	24.91	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	24.92	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.88	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	24.35	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	24.42	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	24.40	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	25.73	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	25.72	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	25.70	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	24.33	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	24.93	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	24.74	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	24.74	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	25.38	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	25.33	PASS

Band12	1.4MHz	16QAM	23095	3RB#3	25.39	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	23.36	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.74	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.61	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.69	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	24.99	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	24.88	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	24.96	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	23.33	PASS
Band12	3MHz	QPSK	23025	1RB#0	25.53	PASS
Band12	3MHz	QPSK	23025	1RB#8	25.54	PASS
Band12	3MHz	QPSK	23025	1RB#14	25.63	PASS
Band12	3MHz	QPSK	23025	8RB#0	24.11	PASS
Band12	3MHz	QPSK	23025	8RB#4	24.04	PASS
Band12	3MHz	QPSK	23025	8RB#7	24.13	PASS
Band12	3MHz	QPSK	23025	15RB#0	24.29	PASS
Band12	3MHz	QPSK	23095	1RB#0	25.10	PASS
Band12	3MHz	QPSK	23095	1RB#8	25.00	PASS
Band12	3MHz	QPSK	23095	1RB#14	24.95	PASS
Band12	3MHz	QPSK	23095	8RB#0	24.64	PASS
Band12	3MHz	QPSK	23095	8RB#4	24.54	PASS
Band12	3MHz	QPSK	23095	8RB#7	24.58	PASS
Band12	3MHz	QPSK	23095	15RB#0	24.05	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.54	PASS
Band12	3MHz	QPSK	23165	1RB#8	24.57	PASS
Band12	3MHz	QPSK	23165	1RB#14	24.56	PASS
Band12	3MHz	QPSK	23165	8RB#0	23.41	PASS
Band12	3MHz	QPSK	23165	8RB#4	23.38	PASS
Band12	3MHz	QPSK	23165	8RB#7	23.36	PASS
Band12	3MHz	QPSK	23165	15RB#0	23.57	PASS
Band12	3MHz	16QAM	23025	1RB#0	24.11	PASS
Band12	3MHz	16QAM	23025	1RB#8	24.04	PASS
Band12	3MHz	16QAM	23025	1RB#14	24.13	PASS
Band12	3MHz	16QAM	23025	8RB#0	24.07	PASS
Band12	3MHz	16QAM	23025	8RB#4	24.04	PASS
Band12	3MHz	16QAM	23025	8RB#7	24.15	PASS
Band12	3MHz	16QAM	23025	15RB#0	23.63	PASS
Band12	3MHz	16QAM	23095	1RB#0	24.64	PASS

Band12	3MHz	16QAM	23095	1RB#8	24.54	PASS
Band12	3MHz	16QAM	23095	1RB#14	24.42	PASS
Band12	3MHz	16QAM	23095	8RB#0	24.66	PASS
Band12	3MHz	16QAM	23095	8RB#4	24.54	PASS
Band12	3MHz	16QAM	23095	8RB#7	24.53	PASS
Band12	3MHz	16QAM	23095	15RB#0	23.16	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.47	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.48	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.49	PASS
Band12	3MHz	16QAM	23165	8RB#0	23.45	PASS
Band12	3MHz	16QAM	23165	8RB#4	23.40	PASS
Band12	3MHz	16QAM	23165	8RB#7	23.35	PASS
Band12	3MHz	16QAM	23165	15RB#0	22.44	PASS
Band12	5MHz	QPSK	23035	1RB#0	25.47	PASS
Band12	5MHz	QPSK	23035	1RB#12	25.62	PASS
Band12	5MHz	QPSK	23035	1RB#24	25.69	PASS
Band12	5MHz	QPSK	23035	12RB#0	24.48	PASS
Band12	5MHz	QPSK	23035	12RB#6	24.44	PASS
Band12	5MHz	QPSK	23035	12RB#13	24.40	PASS
Band12	5MHz	QPSK	23035	25RB#0	24.42	PASS
Band12	5MHz	QPSK	23095	1RB#0	25.34	PASS
Band12	5MHz	QPSK	23095	1RB#12	25.06	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.75	PASS
Band12	5MHz	QPSK	23095	12RB#0	24.08	PASS
Band12	5MHz	QPSK	23095	12RB#6	24.20	PASS
Band12	5MHz	QPSK	23095	12RB#13	24.02	PASS
Band12	5MHz	QPSK	23095	25RB#0	24.09	PASS
Band12	5MHz	QPSK	23155	1RB#0	24.64	PASS
Band12	5MHz	QPSK	23155	1RB#12	24.76	PASS
Band12	5MHz	QPSK	23155	1RB#24	24.73	PASS
Band12	5MHz	QPSK	23155	12RB#0	23.90	PASS
Band12	5MHz	QPSK	23155	12RB#6	24.03	PASS
Band12	5MHz	QPSK	23155	12RB#13	23.63	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.63	PASS
Band12	5MHz	16QAM	23035	1RB#0	24.01	PASS
Band12	5MHz	16QAM	23035	1RB#12	24.21	PASS
Band12	5MHz	16QAM	23035	1RB#24	24.23	PASS
Band12	5MHz	16QAM	23035	12RB#0	24.44	PASS

Band12	5MHz	16QAM	23035	12RB#6	24.43	PASS
Band12	5MHz	16QAM	23035	12RB#13	24.43	PASS
Band12	5MHz	16QAM	23035	25RB#0	23.35	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.88	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.84	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.32	PASS
Band12	5MHz	16QAM	23095	12RB#0	24.20	PASS
Band12	5MHz	16QAM	23095	12RB#6	24.27	PASS
Band12	5MHz	16QAM	23095	12RB#13	23.89	PASS
Band12	5MHz	16QAM	23095	25RB#0	23.08	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.30	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.02	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.04	PASS
Band12	5MHz	16QAM	23155	12RB#0	24.03	PASS
Band12	5MHz	16QAM	23155	12RB#6	24.03	PASS
Band12	5MHz	16QAM	23155	12RB#13	23.65	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.82	PASS
Band12	10MHz	QPSK	23060	1RB#0	25.52	PASS
Band12	10MHz	QPSK	23060	1RB#24	25.78	PASS
Band12	10MHz	QPSK	23060	1RB#49	25.08	PASS
Band12	10MHz	QPSK	23060	25RB#0	24.47	PASS
Band12	10MHz	QPSK	23060	25RB#12	24.51	PASS
Band12	10MHz	QPSK	23060	25RB#25	24.25	PASS
Band12	10MHz	QPSK	23060	50RB#0	24.40	PASS
Band12	10MHz	QPSK	23095	1RB#0	25.25	PASS
Band12	10MHz	QPSK	23095	1RB#24	24.98	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.40	PASS
Band12	10MHz	QPSK	23095	25RB#0	24.30	PASS
Band12	10MHz	QPSK	23095	25RB#12	24.31	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.71	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.88	PASS
Band12	10MHz	QPSK	23130	1RB#0	24.99	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.35	PASS
Band12	10MHz	QPSK	23130	1RB#49	24.41	PASS
Band12	10MHz	QPSK	23130	25RB#0	23.94	PASS
Band12	10MHz	QPSK	23130	25RB#12	24.05	PASS
Band12	10MHz	QPSK	23130	25RB#25	23.65	PASS
Band12	10MHz	QPSK	23130	50RB#0	23.69	PASS

Band12	10MHz	16QAM	23060	1RB#0	24.15	PASS
Band12	10MHz	16QAM	23060	1RB#24	24.24	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.70	PASS
Band12	10MHz	16QAM	23060	25RB#0	24.50	PASS
Band12	10MHz	16QAM	23060	25RB#12	24.51	PASS
Band12	10MHz	16QAM	23060	25RB#25	24.23	PASS
Band12	10MHz	16QAM	23060	50RB#0	23.57	PASS
Band12	10MHz	16QAM	23095	1RB#0	24.49	PASS
Band12	10MHz	16QAM	23095	1RB#24	24.08	PASS
Band12	10MHz	16QAM	23095	1RB#49	24.05	PASS
Band12	10MHz	16QAM	23095	25RB#0	24.22	PASS
Band12	10MHz	16QAM	23095	25RB#12	24.24	PASS
Band12	10MHz	16QAM	23095	25RB#25	23.68	PASS
Band12	10MHz	16QAM	23095	50RB#0	23.22	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.75	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.21	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.25	PASS
Band12	10MHz	16QAM	23130	25RB#0	24.26	PASS
Band12	10MHz	16QAM	23130	25RB#12	24.02	PASS
Band12	10MHz	16QAM	23130	25RB#25	23.65	PASS
Band12	10MHz	16QAM	23130	50RB#0	22.79	PASS

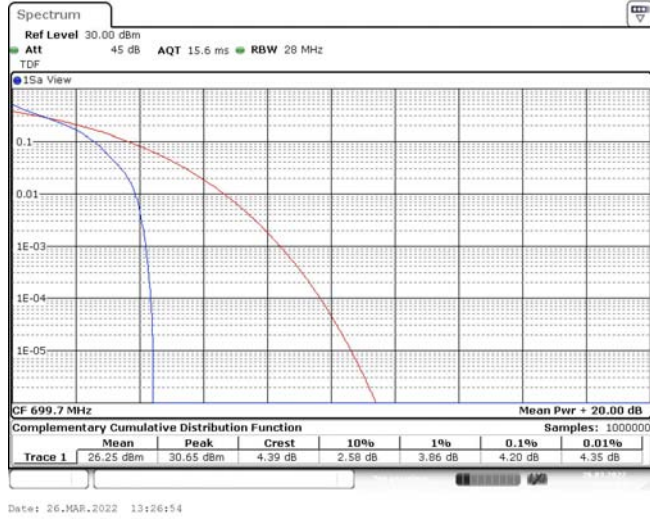
1.2. Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

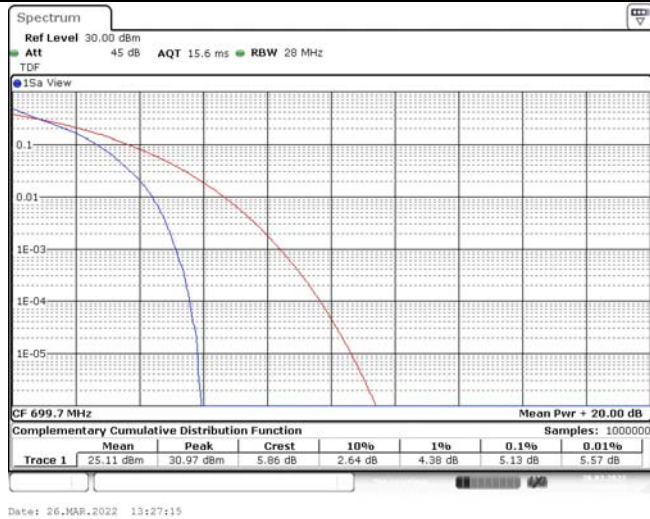
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.20	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.13	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.20	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.04	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3.80	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.43	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.30	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.57	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.22	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.77	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.38	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.13	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.03	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	4.99	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.03	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.07	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.35	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.70	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.36	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.57	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	4.64	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.91	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.36	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.65	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.26	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.67	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	3.65	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.19	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	5.10	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.99	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.39	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.62	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	4.67	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.94	13	PASS

Band12	5MHz	16QAM	23155	1RB#0	6.00	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.83	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	4.14	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	4.93	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	3.57	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.39	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.14	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.30	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.54	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.74	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	4.43	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.14	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.28	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.09	13	PASS

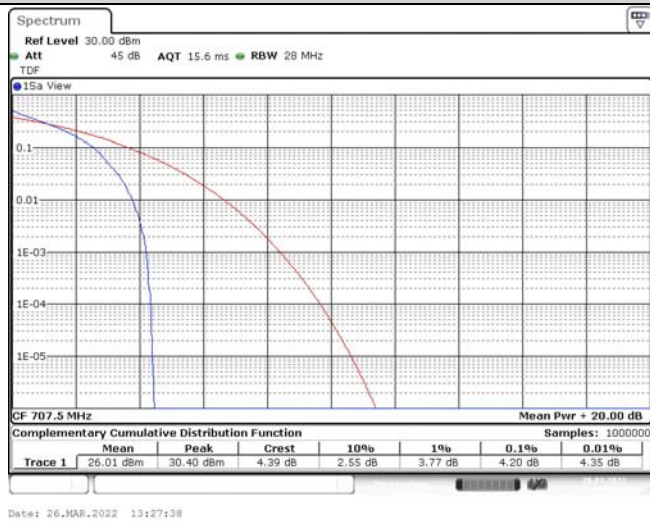
Test Graphs



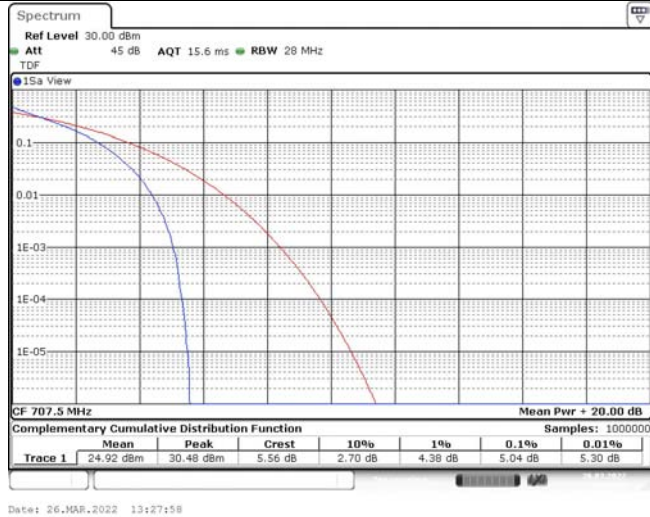
Band12-1.4MHz-QPSK-23017-1RB#0



Band12-1.4MHz-QPSK-23017-6RB#0

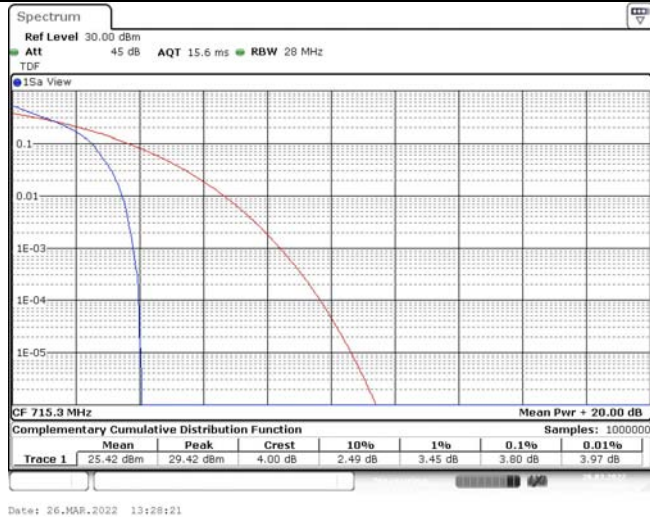


Band12-1.4MHz-QPSK-23095-1RB#0



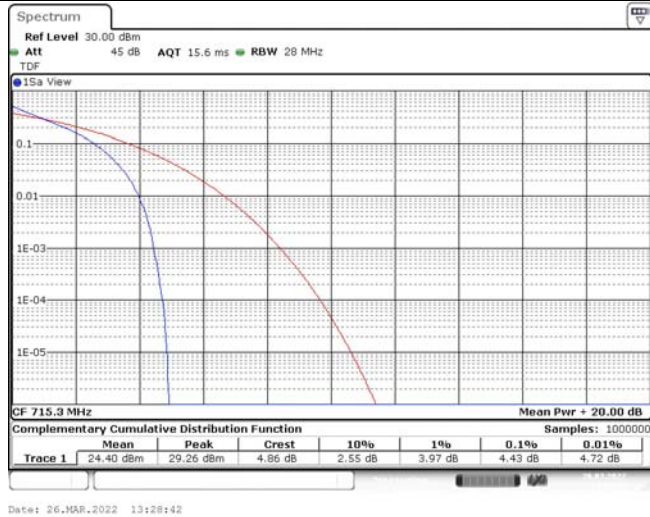
Date: 26.MAR.2022 13:27:58

Band12-1.4MHz-QPSK-23095-6RB#0



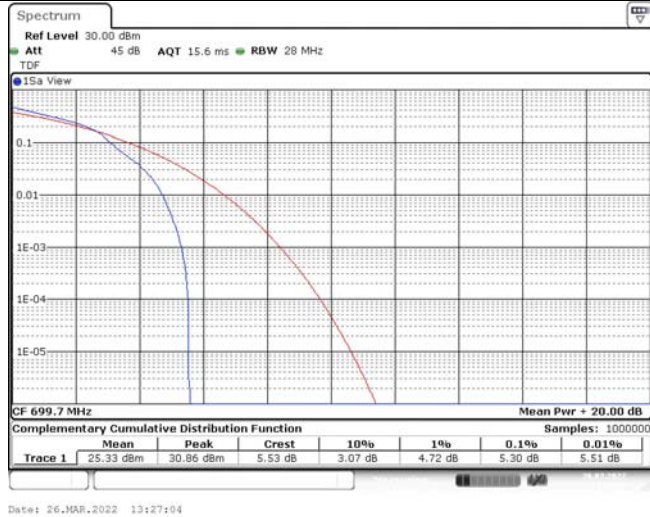
Date: 26.MAR.2022 13:28:21

Band12-1.4MHz-QPSK-23173-1RB#0

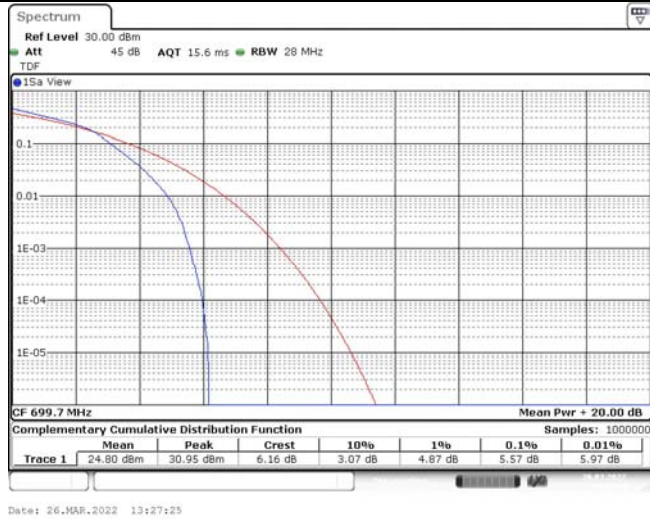


Date: 26.MAR.2022 13:28:42

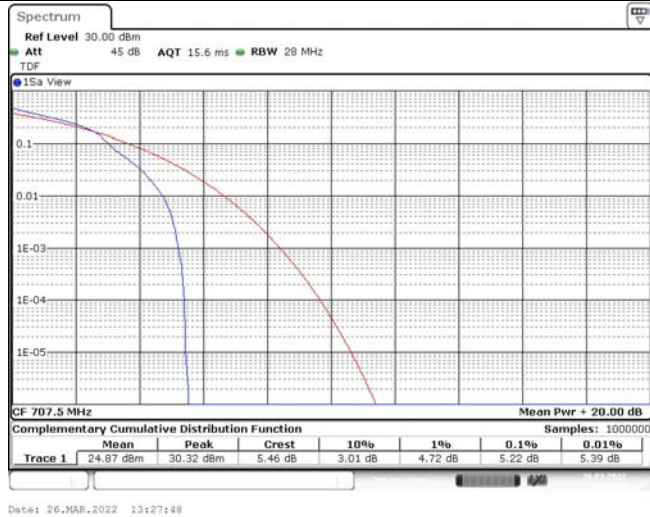
Band12-1.4MHz-QPSK-23173-6RB#0



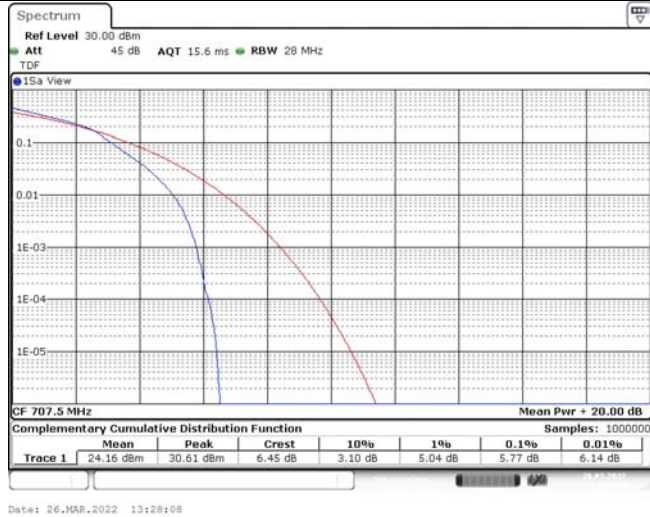
Band12-1.4MHz-16QAM-23017-1RB#0



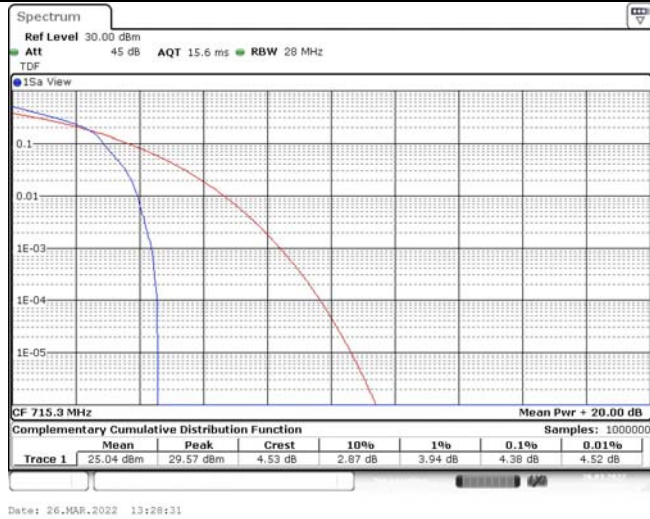
Band12-1.4MHz-16QAM-23017-6RB#0



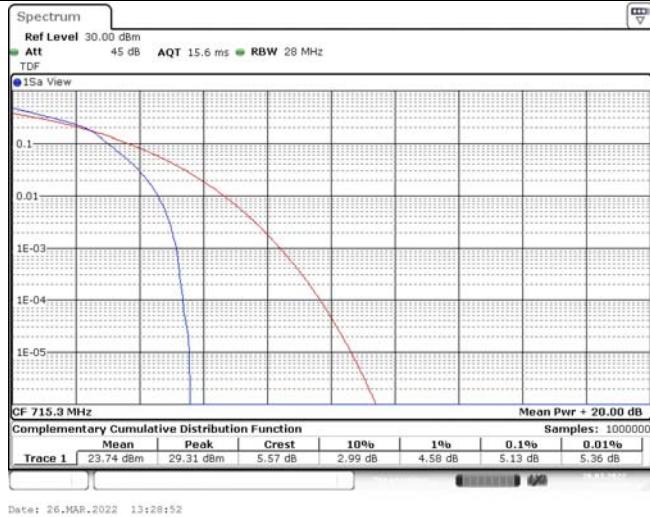
Band12-1.4MHz-16QAM-23095-1RB#0



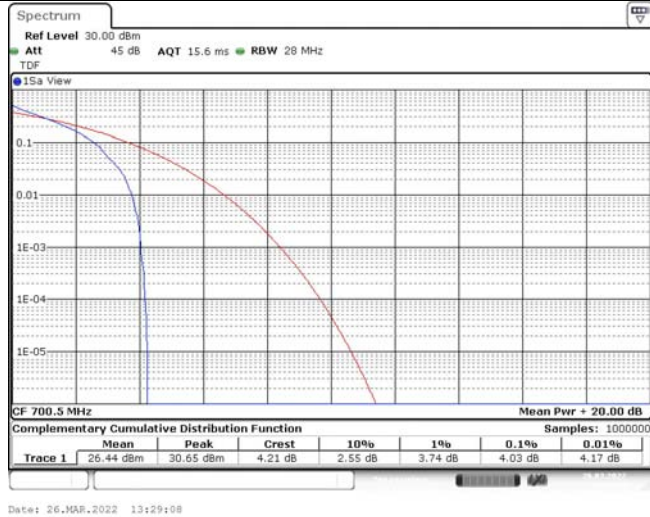
Band12-1.4MHz-16QAM-23095-6RB#0



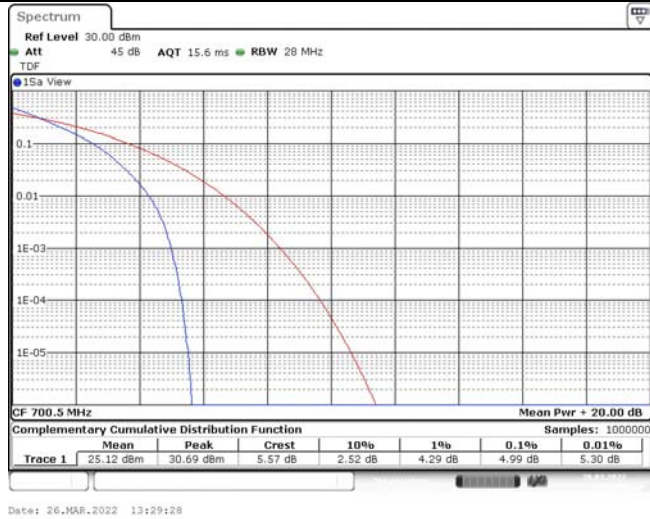
Band12-1.4MHz-16QAM-23173-1RB#0



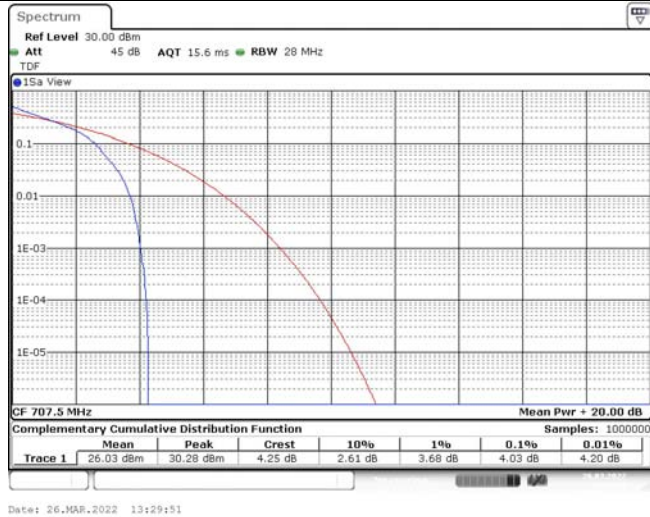
Band12-1.4MHz-16QAM-23173-6RB#0



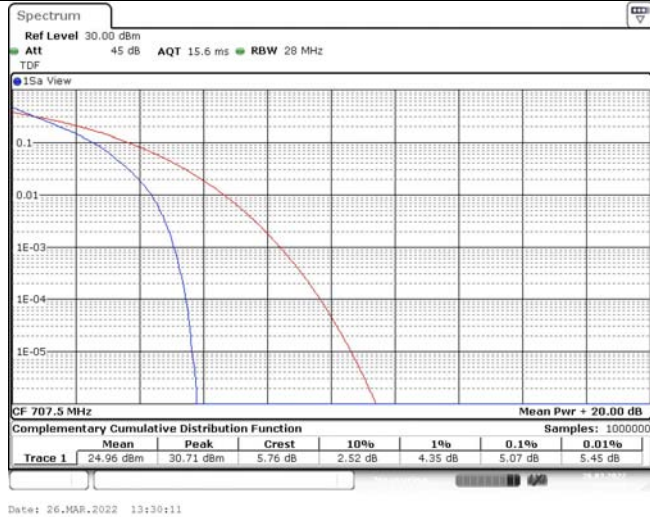
Band12-3MHz-QPSK-23025-1RB#0



Band12-3MHz-QPSK-23025-15RB#0

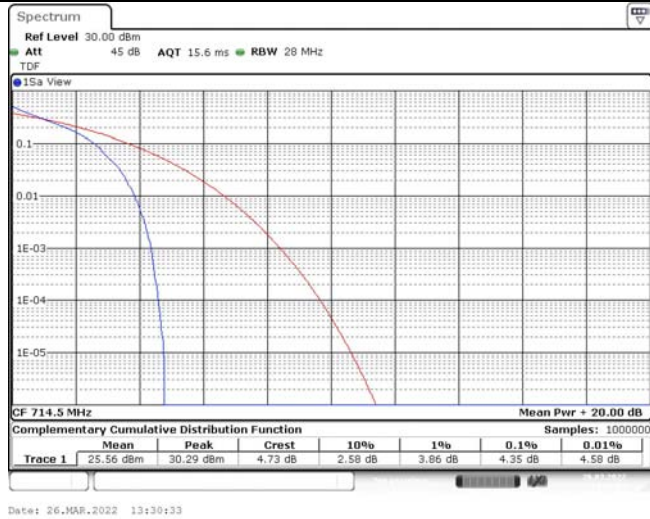


Band12-3MHz-QPSK-23095-1RB#0



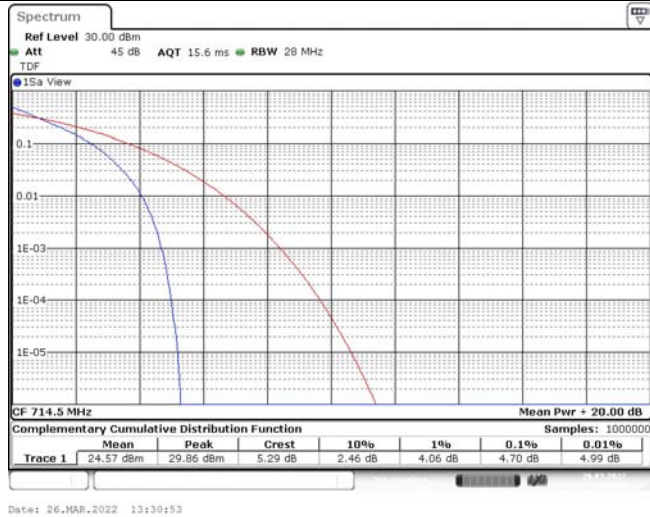
Date: 26.MAR.2022 13:30:11

Band12-3MHz-QPSK-23095-15RB#0



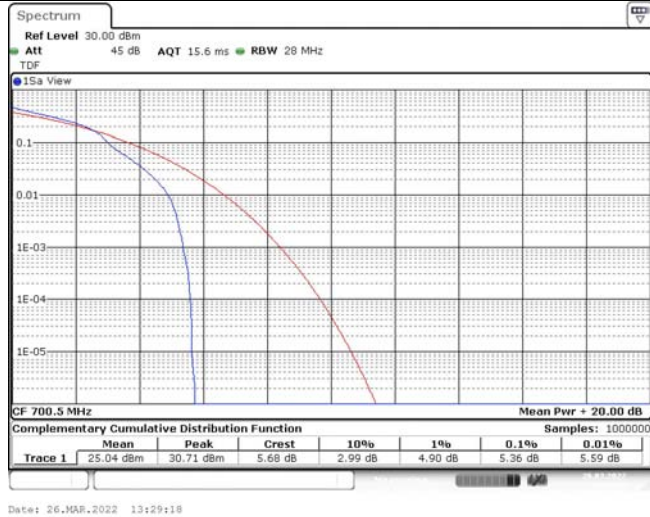
Date: 26.MAR.2022 13:30:33

Band12-3MHz-QPSK-23165-1RB#0

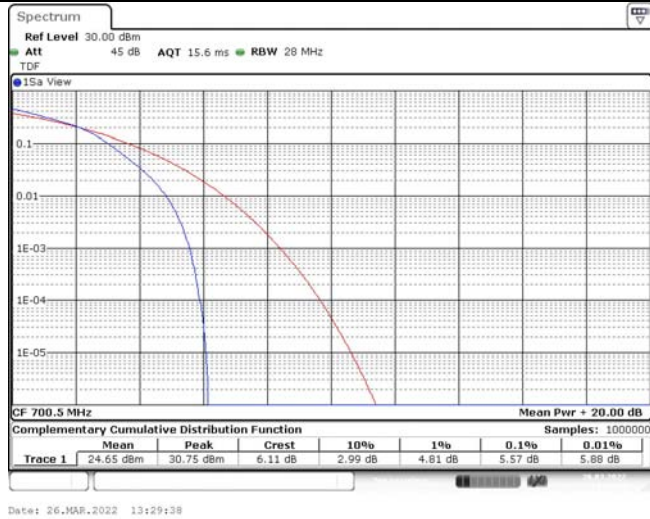


Date: 26.MAR.2022 13:30:53

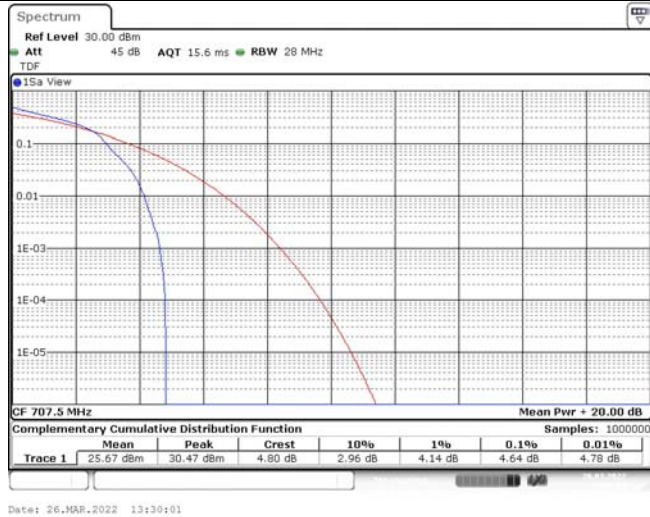
Band12-3MHz-QPSK-23165-15RB#0



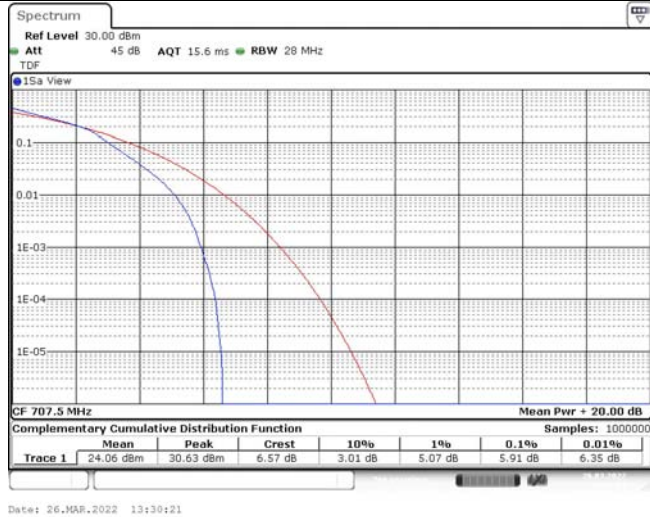
Band12-3MHz-16QAM-23025-1RB#0



Band12-3MHz-16QAM-23025-15RB#0

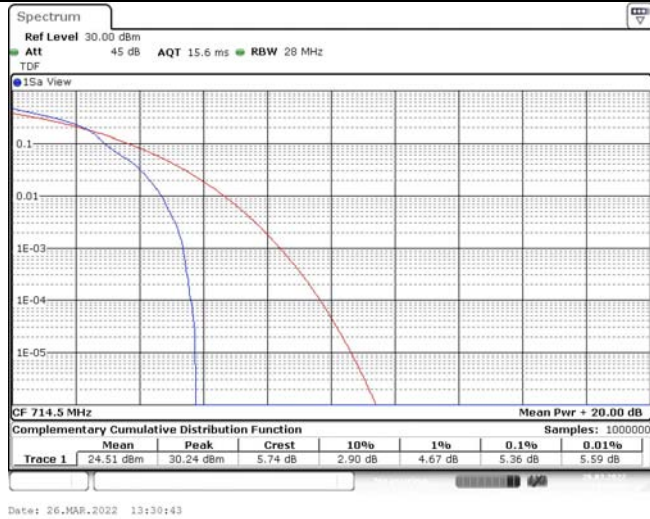


Band12-3MHz-16QAM-23095-1RB#0



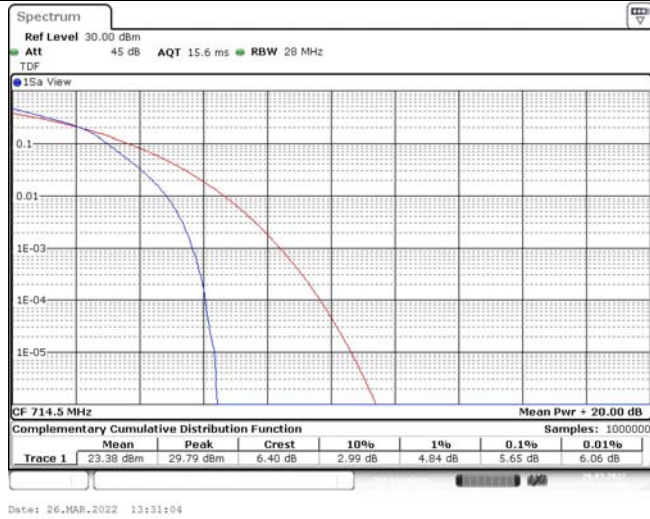
Date: 26.MAR.2022 13:30:21

Band12-3MHz-16QAM-23095-15RB#0



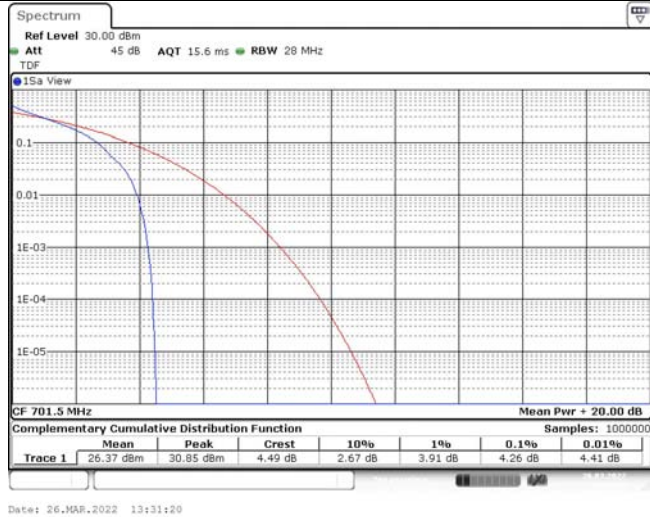
Date: 26.MAR.2022 13:30:43

Band12-3MHz-16QAM-23165-1RB#0

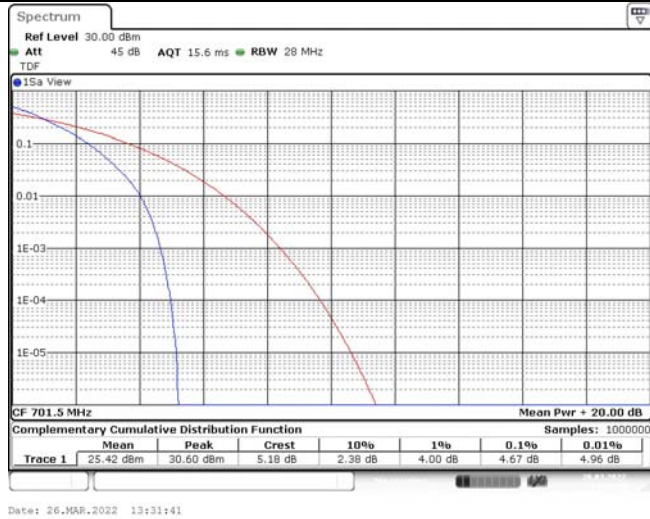


Date: 26.MAR.2022 13:31:04

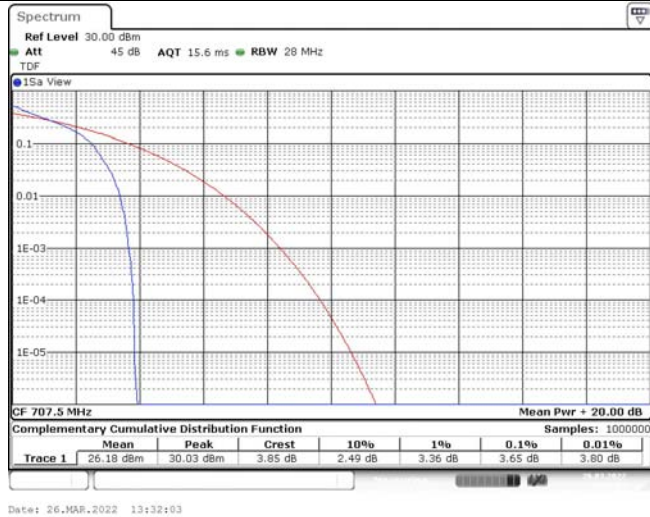
Band12-3MHz-16QAM-23165-15RB#0



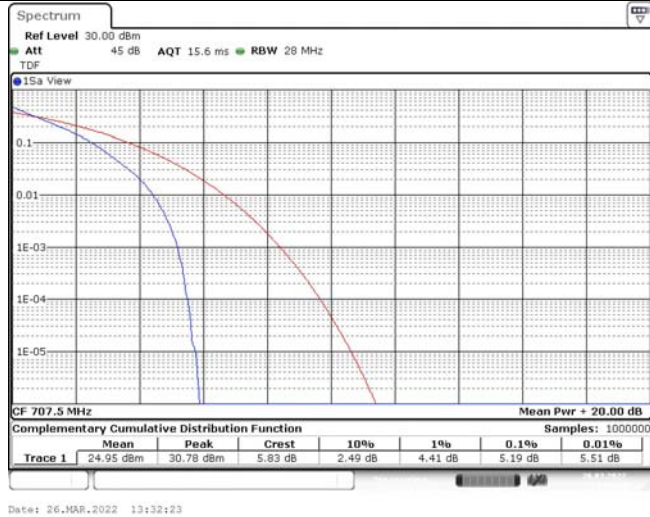
Band12-5MHz-QPSK-23035-1RB#0



Band12-5MHz-QPSK-23035-25RB#0

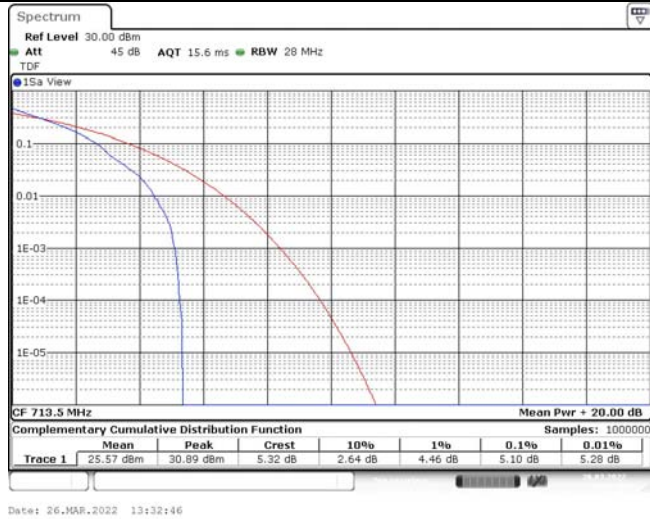


Band12-5MHz-QPSK-23095-1RB#0



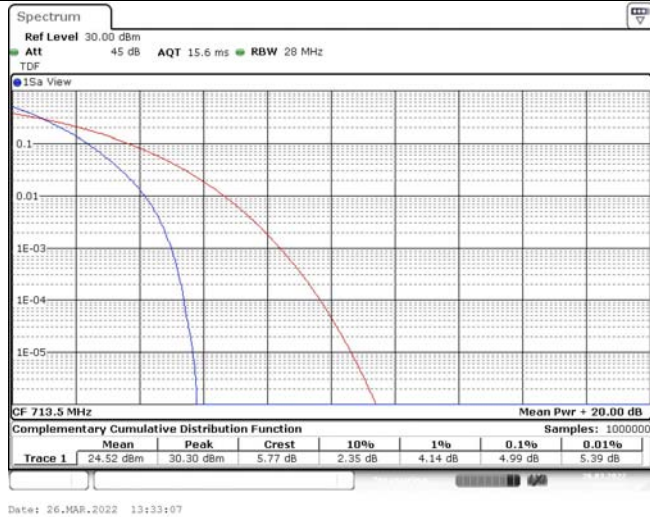
Date: 26.MAR.2022 13:32:23

Band12-5MHz-QPSK-23095-25RB#0



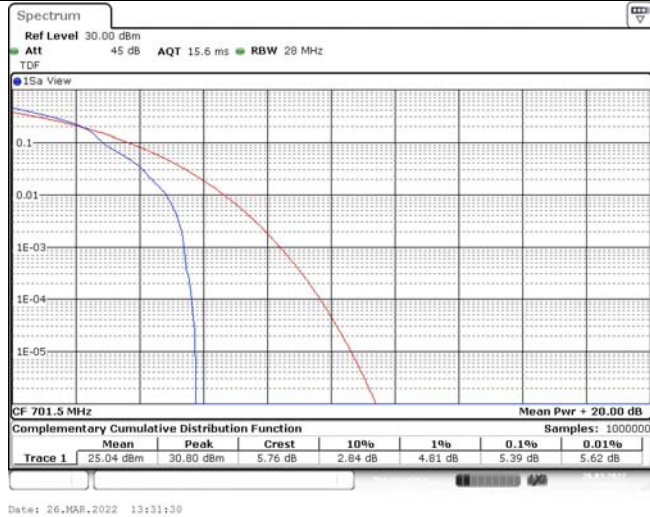
Date: 26.MAR.2022 13:32:46

Band12-5MHz-QPSK-23155-1RB#0

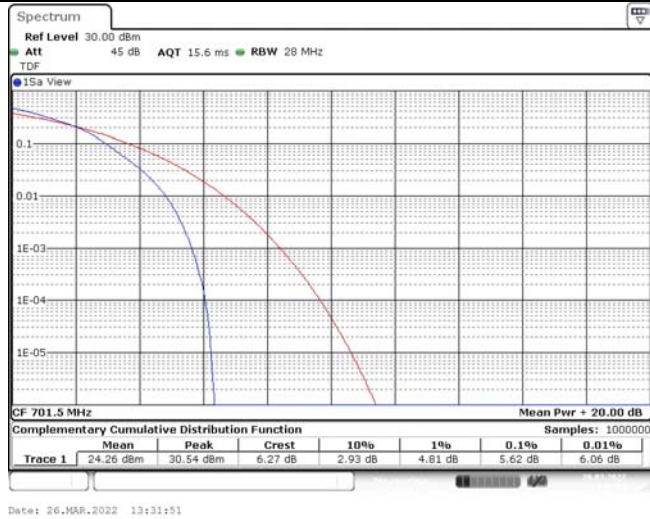


Date: 26.MAR.2022 13:33:07

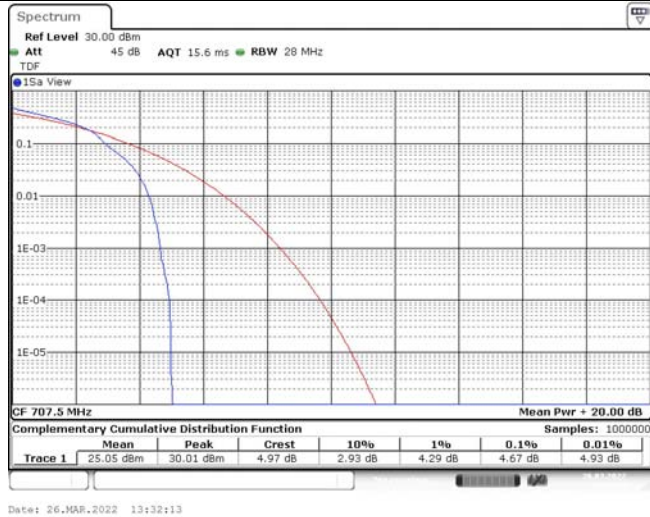
Band12-5MHz-QPSK-23155-25RB#0



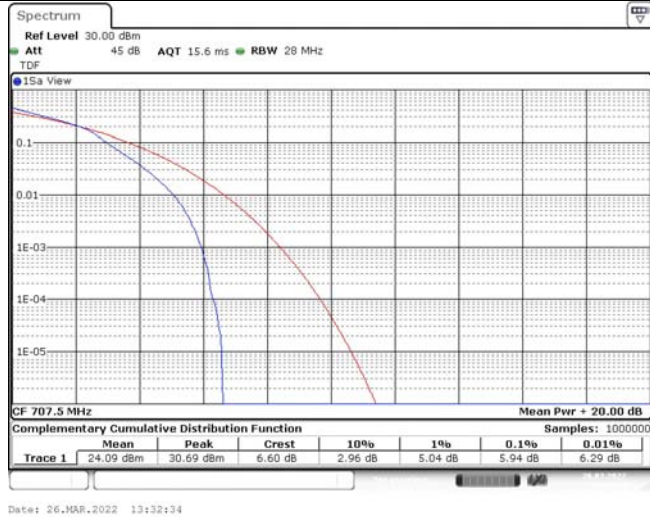
Band12-5MHz-16QAM-23035-1RB#0



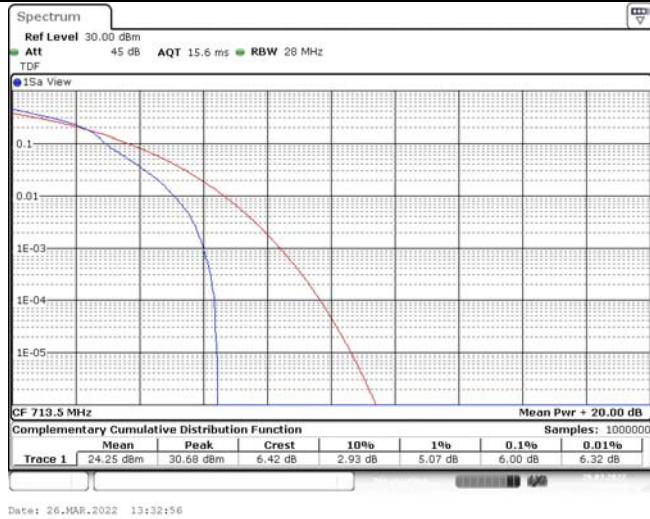
Band12-5MHz-16QAM-23035-25RB#0



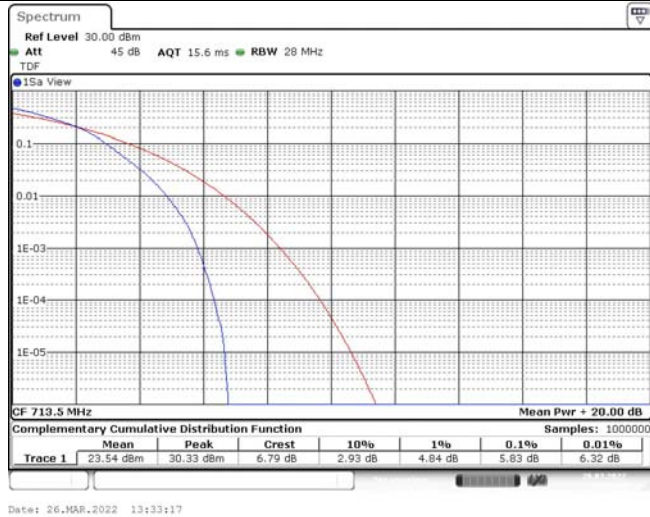
Band12-5MHz-16QAM-23095-1RB#0



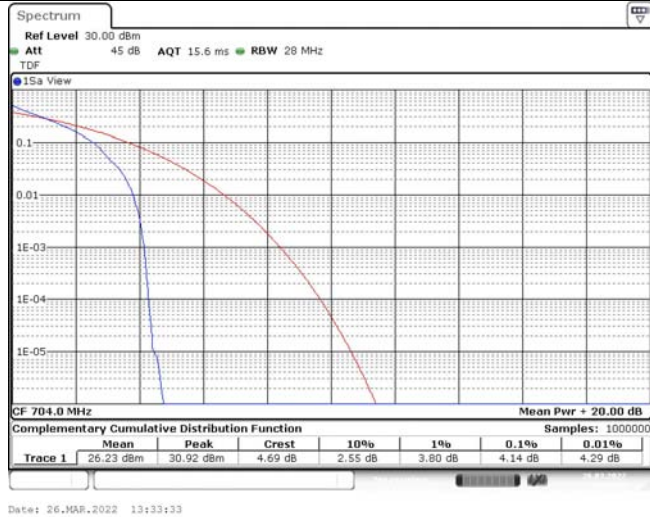
Band12-5MHz-16QAM-23095-25RB#0



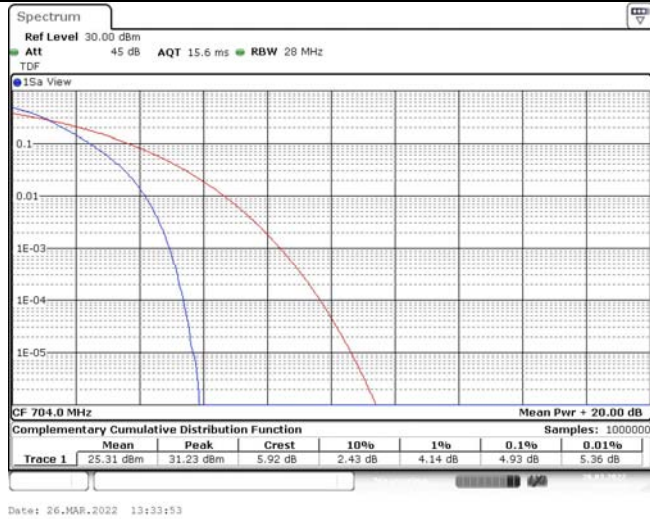
Band12-5MHz-16QAM-23155-1RB#0



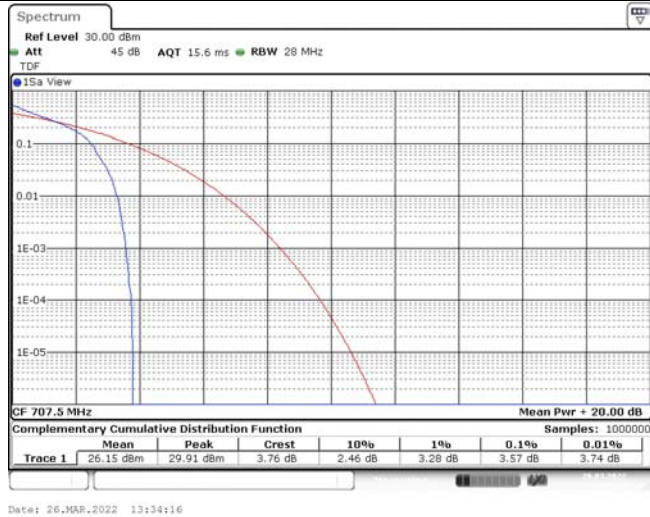
Band12-5MHz-16QAM-23155-25RB#0



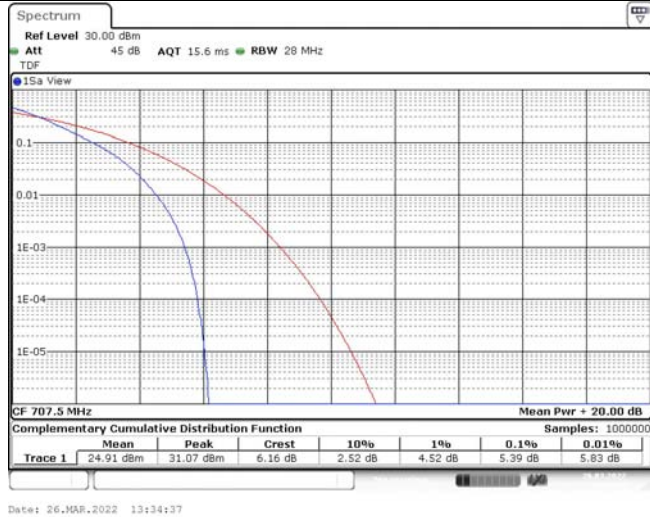
Band12-10MHz-QPSK-23060-1RB#0



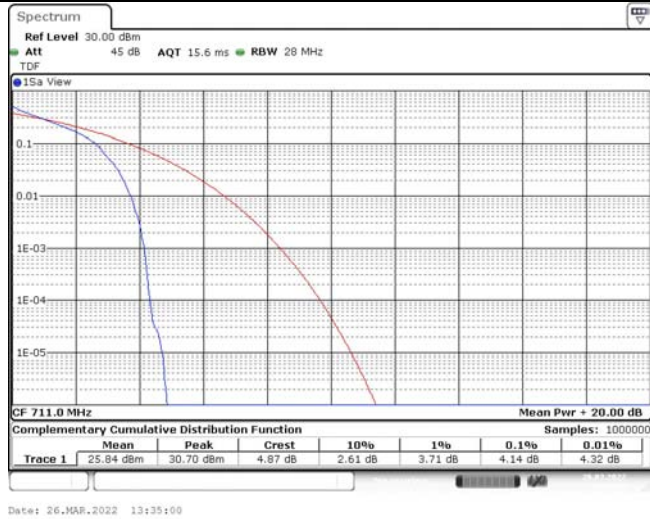
Band12-10MHz-QPSK-23060-50RB#0



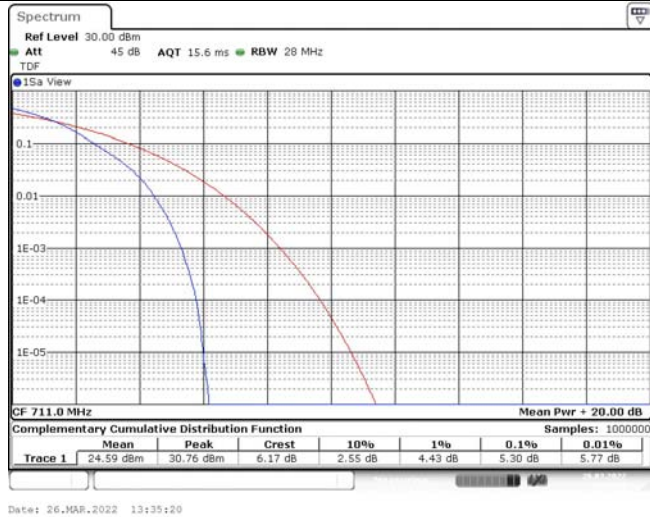
Band12-10MHz-QPSK-23095-1RB#0



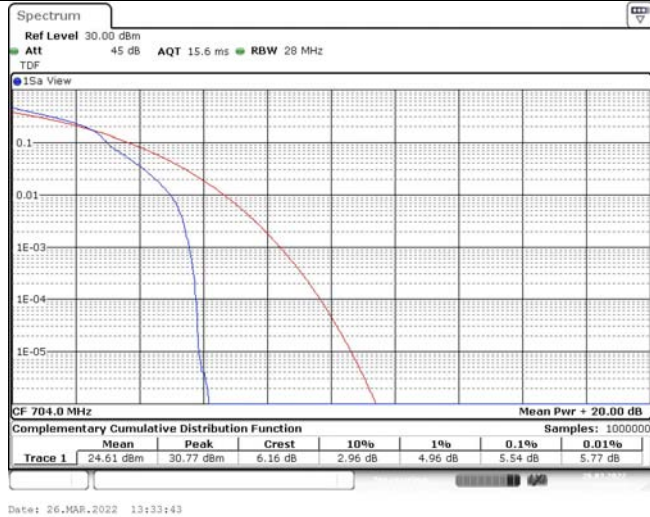
Band12-10MHz-QPSK-23095-50RB#0



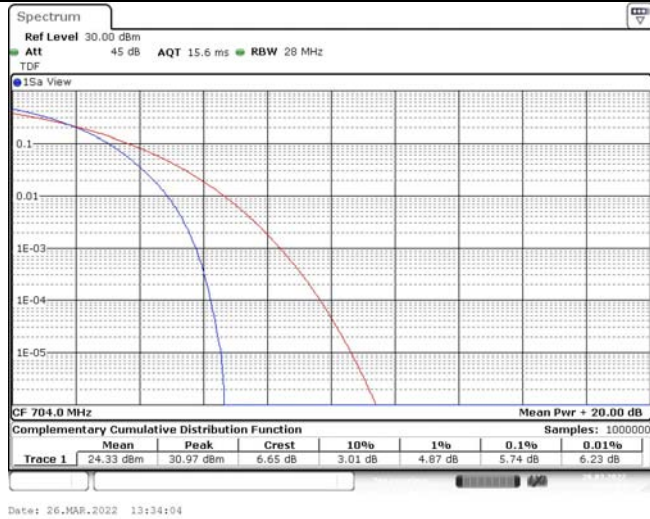
Band12-10MHz-QPSK-23130-1RB#0



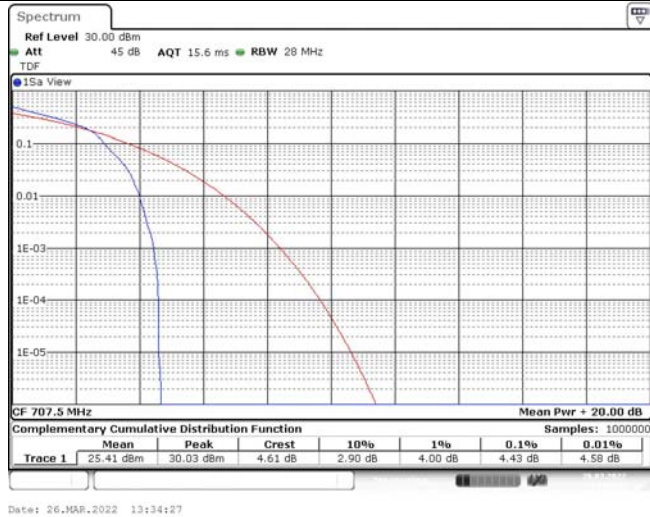
Band12-10MHz-QPSK-23130-50RB#0



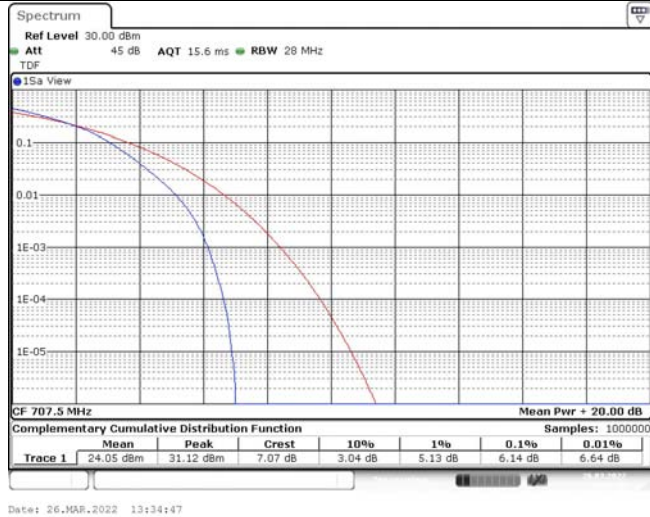
Band12-10MHz-16QAM-23060-1RB#0



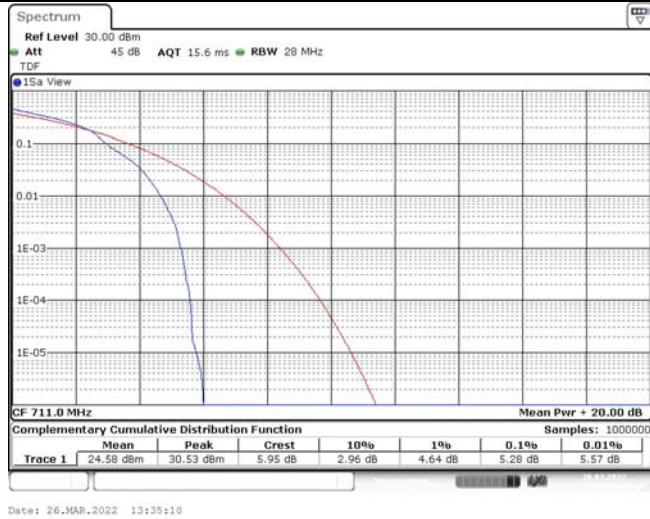
Band12-10MHz-16QAM-23060-50RB#0



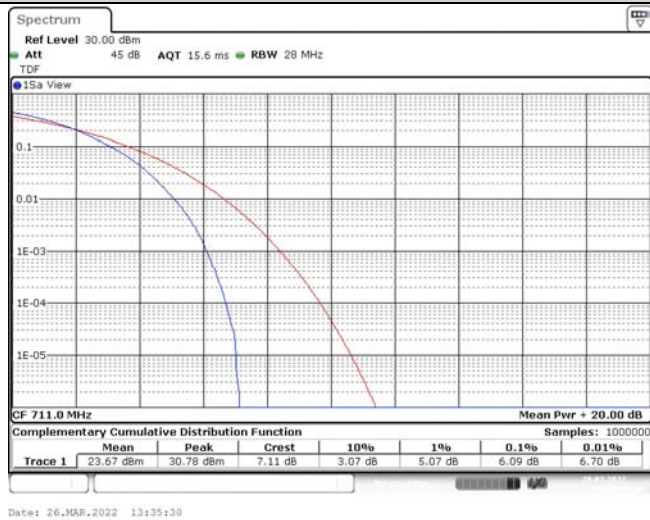
Band12-10MHz-16QAM-23095-1RB#0



Band12-10MHz-16QAM-23095-50RB#0



Band12-10MHz-16QAM-23130-1RB#0



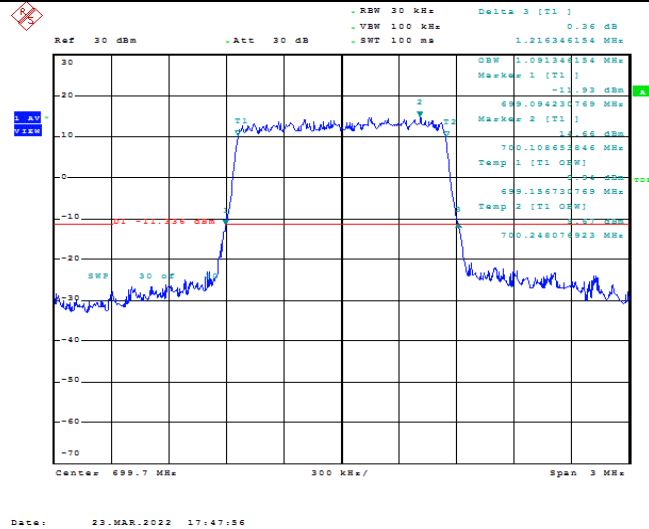
Band12-10MHz-16QAM-23130-50RB#0

1.3. Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

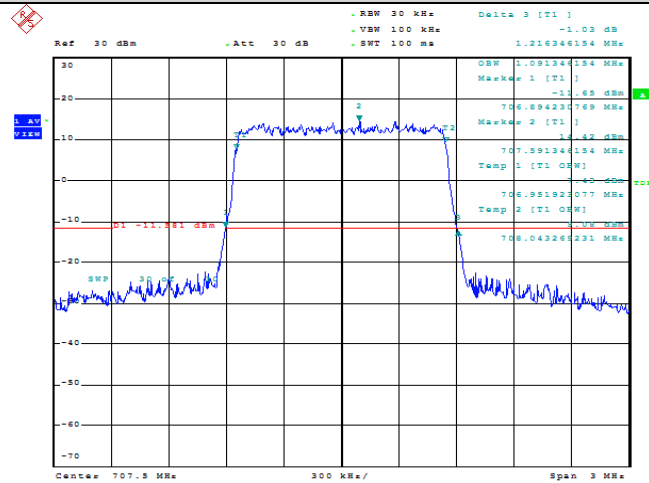
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.091	1.216	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.091	1.216	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.096	1.226	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.087	1.212	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.096	1.226	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.091	1.231	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.702	2.885	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.702	2.933	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.692	2.865	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.692	2.904	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.692	2.933	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.692	2.885	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.488	4.776	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.512	4.776	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.48	4.776	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.48	4.768	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.52	4.808	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.488	4.752	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.974	9.615	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.038	9.679	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.974	9.615	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.974	9.615	PASS
Band12	10MHz	16QAM	23095	50RB#0	9.071	9.712	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.974	9.647	PASS

Test Graphs



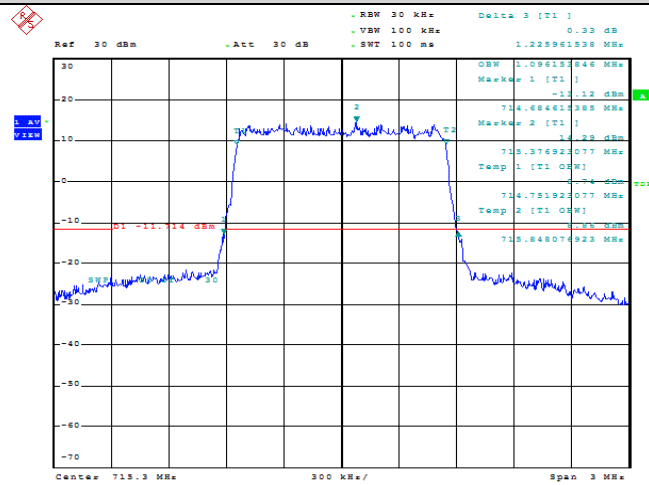
Date: 23.MAR.2022 17:47:56

Band12-1.4MHz-QPSK-23017-6RB#0-1.091



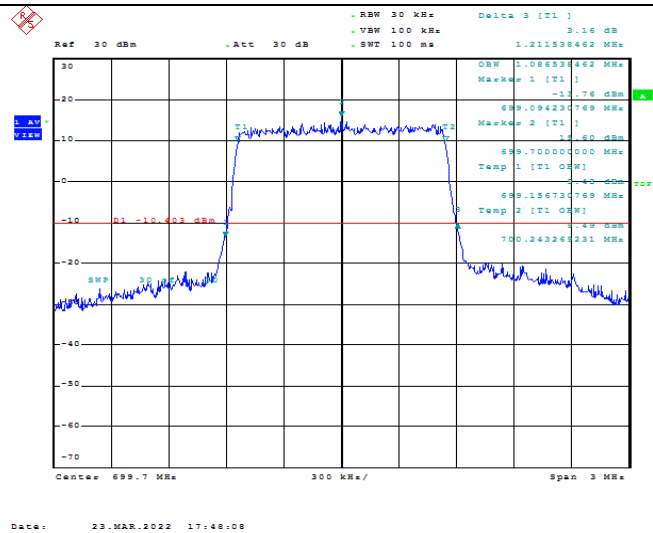
Date: 23.MAR.2022 17:48:21

Band12-1.4MHz-QPSK-23095-6RB#0-1.091

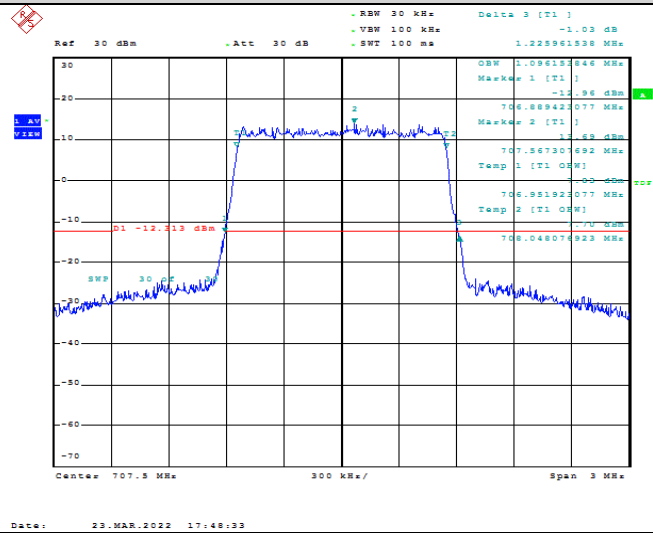


Date: 23.MAR.2022 17:48:46

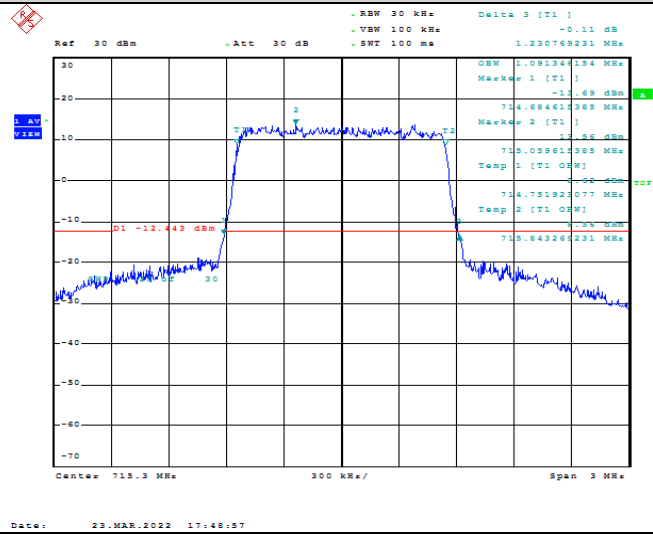
Band12-1.4MHz-QPSK-23173-6RB#0-1.096



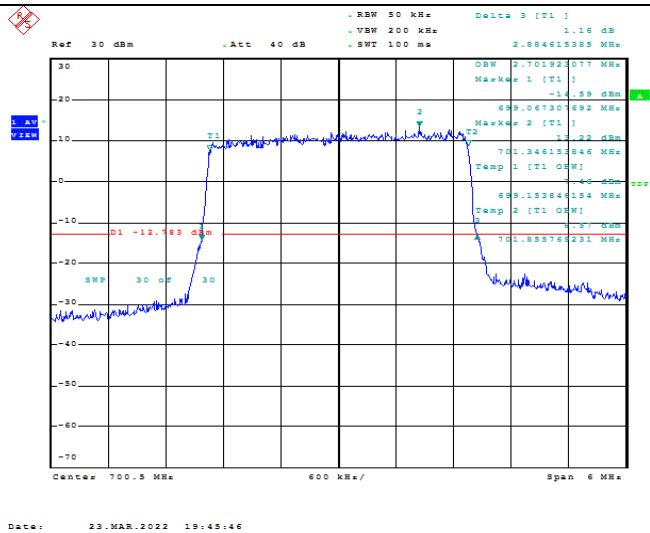
Band12-1.4MHz-16QAM-23017-6RB#0-1.087



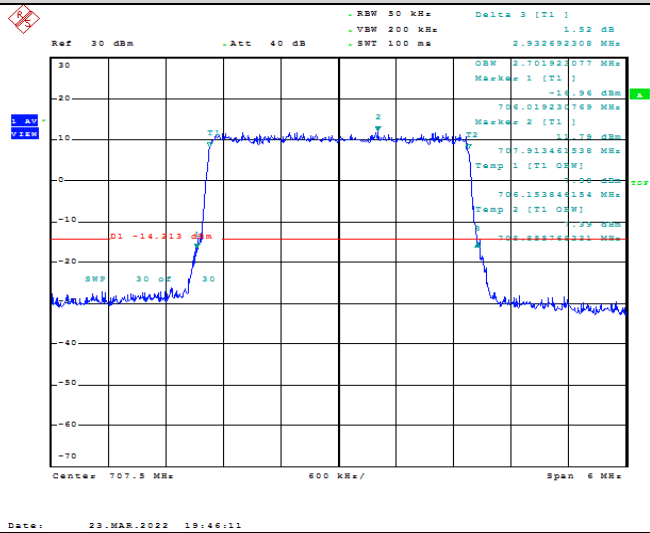
Band12-1.4MHz-16QAM-23095-6RB#0-1.096



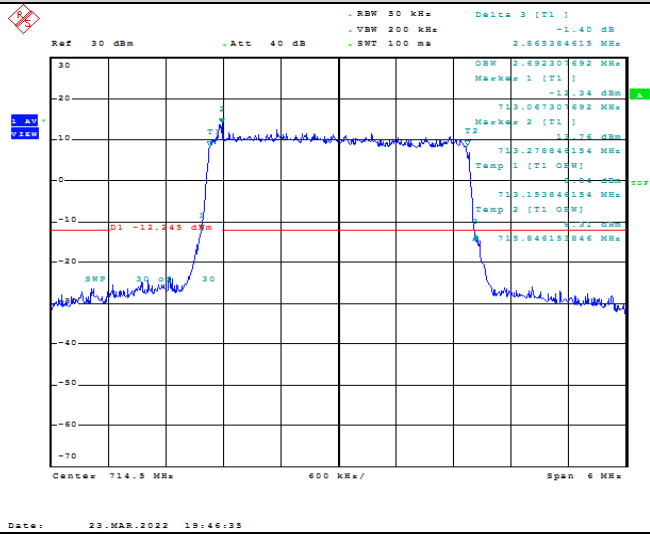
Band12-1.4MHz-16QAM-23173-6RB#0-1.091



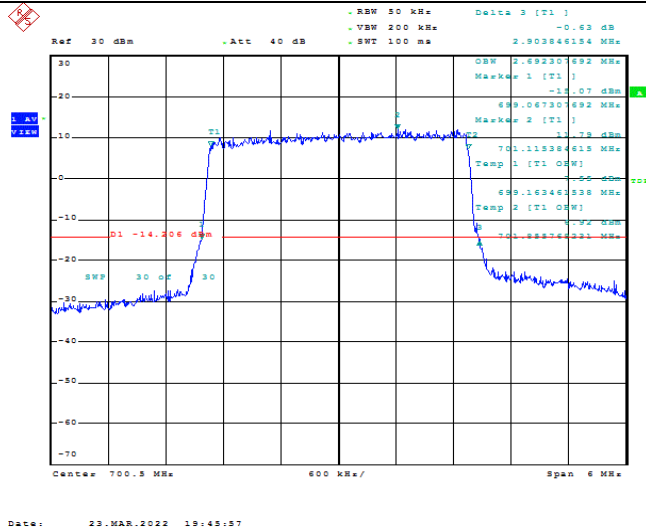
Band12-3MHz-QPSK-23025-15RB#0-2.702



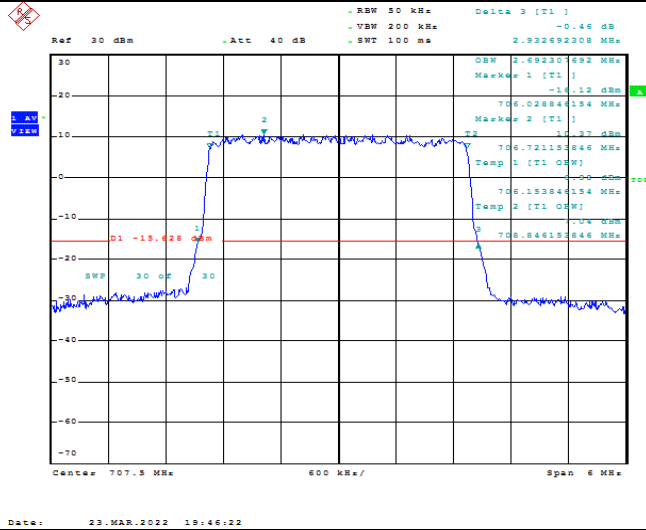
Band12-3MHz-QPSK-23095-15RB#0-2.702



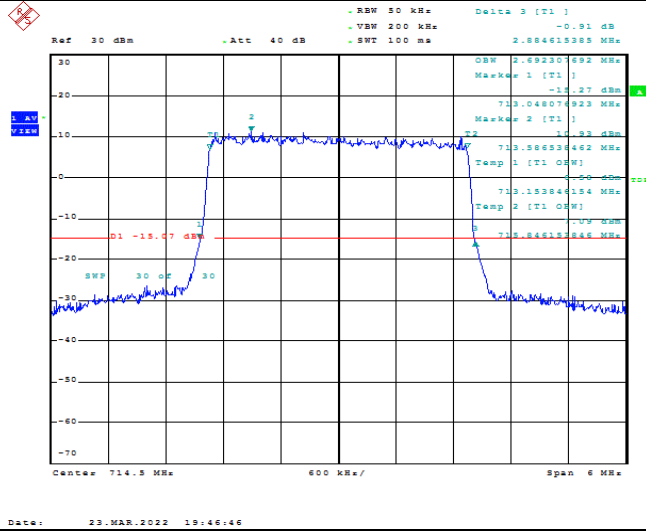
Band12-3MHz-QPSK-23165-15RB#0-2.692



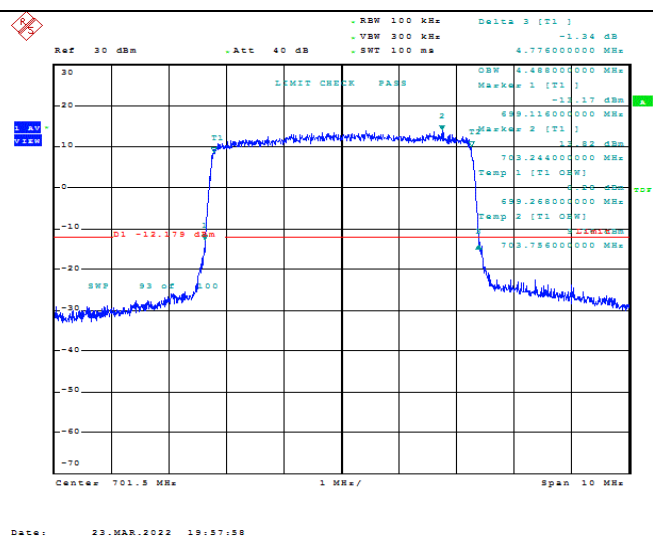
Band12-3MHz-16QAM-23025-15RB#0-2.692



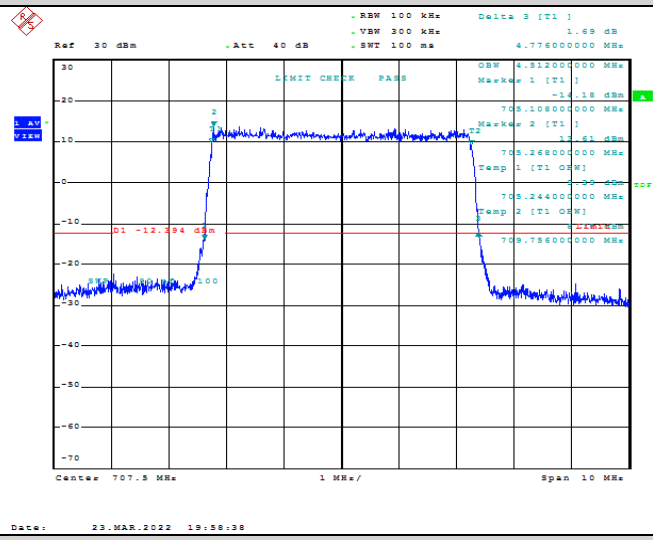
Band12-3MHz-16QAM-23095-15RB#0-2.692



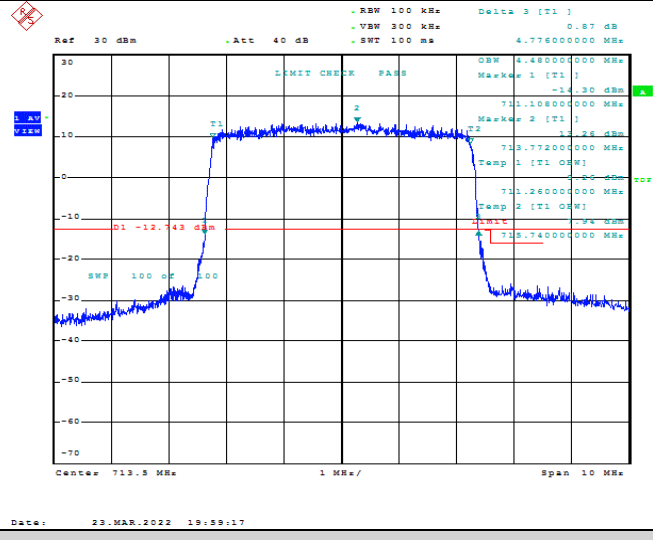
Band12-3MHz-16QAM-23165-15RB#0-2.692



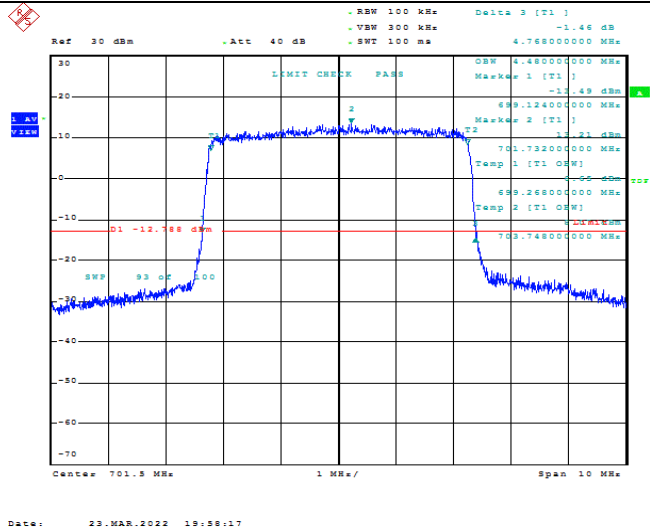
Band12-5MHz-QPSK-23035-25RB#0-4.488



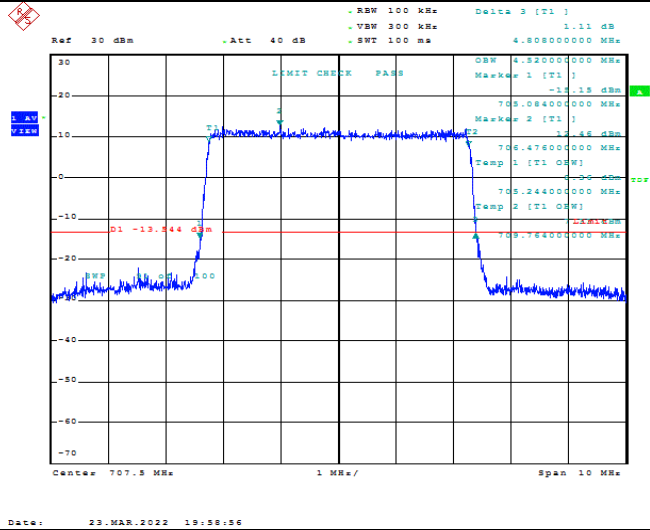
Band12-5MHz-QPSK-23095-25RB#0-4.512



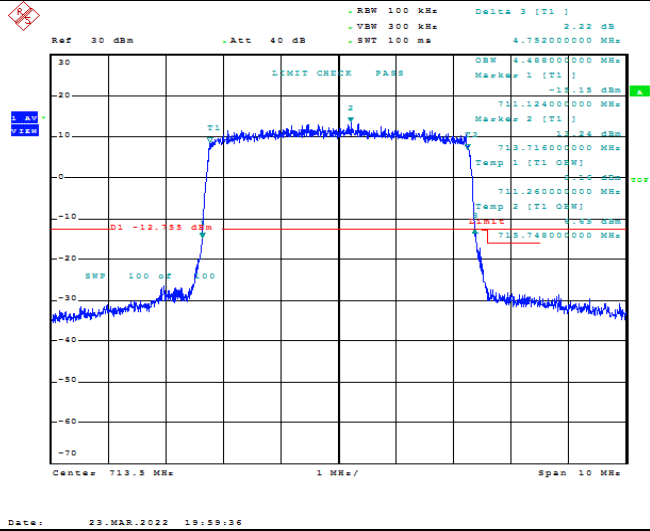
Band12-5MHz-QPSK-23155-25RB#0-4.48



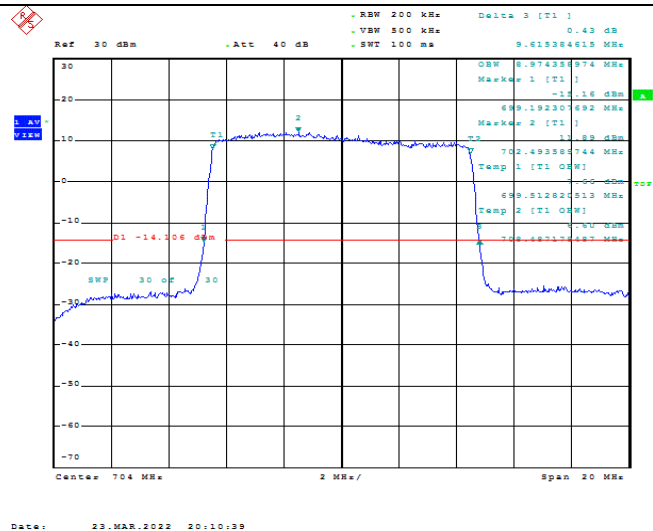
Band12-5MHz-16QAM-23035-25RB#0-4.48



Band12-5MHz-16QAM-23095-25RB#0-4.52

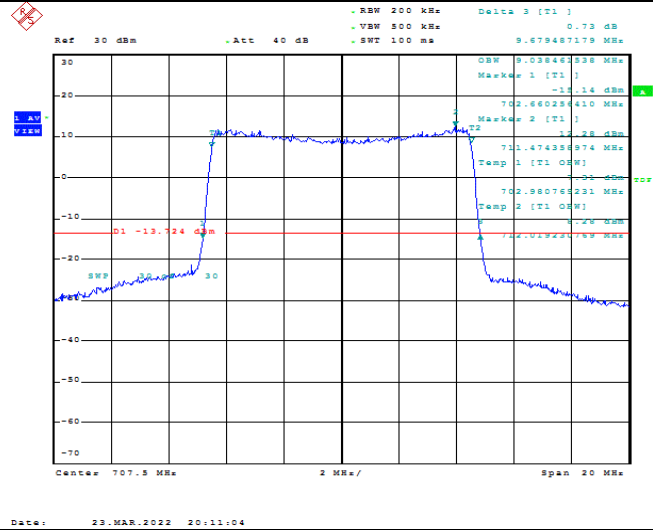


Band12-5MHz-16QAM-23155-25RB#0-4.488



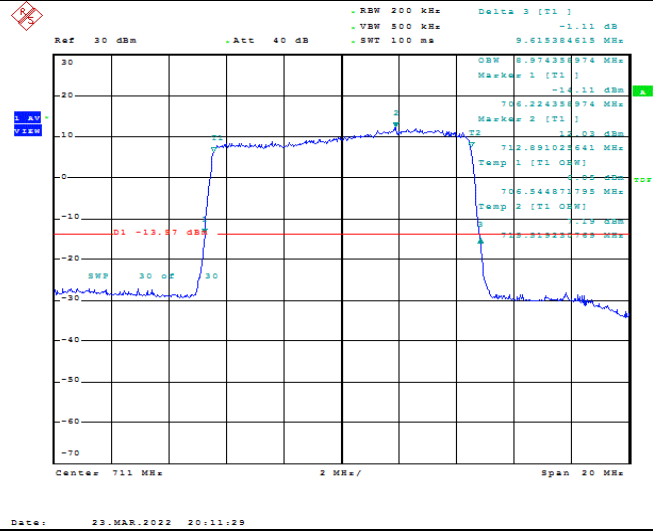
Date: 23.MAR.2022 20:10:39

Band12-10MHz-QPSK-23060-50RB#0-8.974



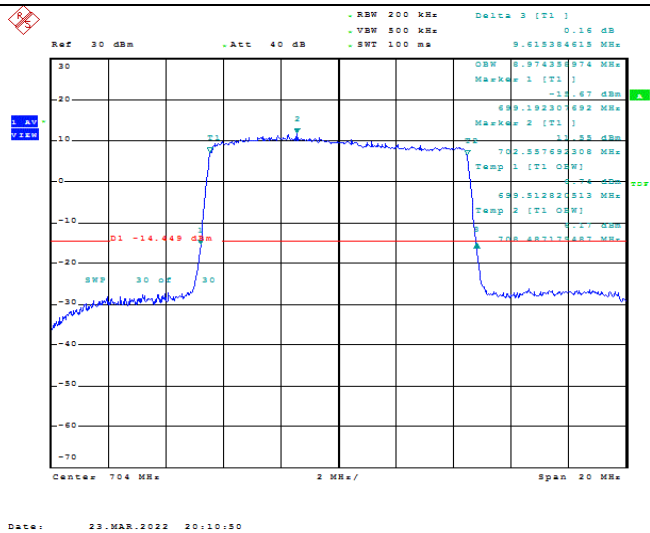
Date: 23.MAR.2022 20:11:04

Band12-10MHz-QPSK-23095-50RB#0-9.038

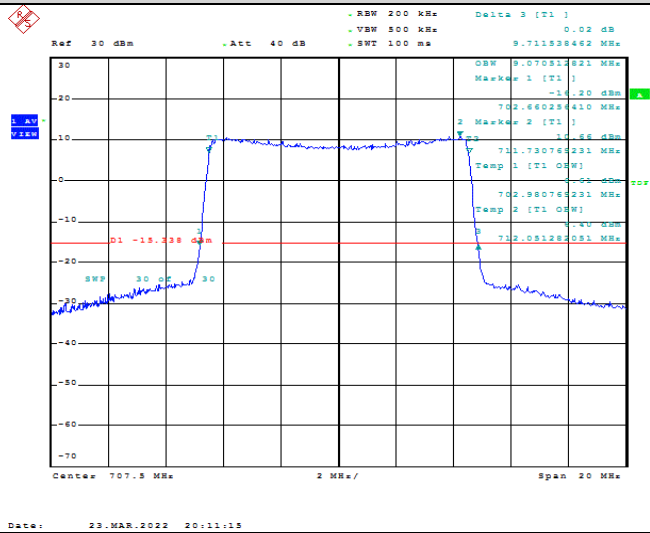


Date: 23.MAR.2022 20:11:29

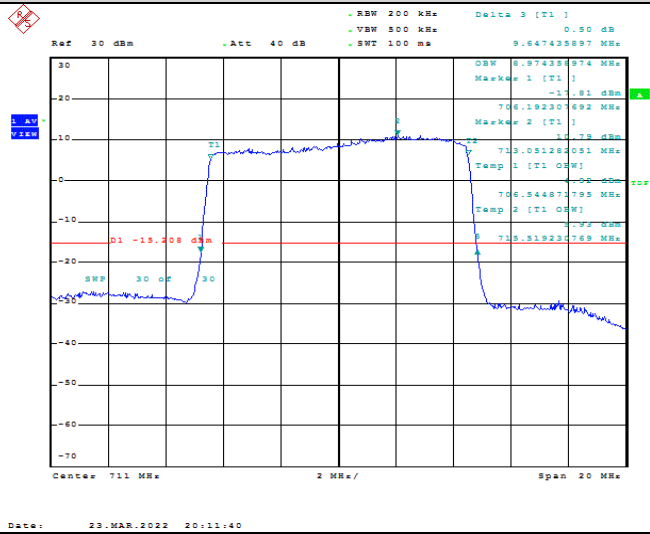
Band12-10MHz-QPSK-23130-50RB#0-8.974



Band12-10MHz-16QAM-23060-50RB#0-8.974



Band12-10MHz-16QAM-23095-50RB#0-9.071



Band12-10MHz-16QAM-23130-50RB#0-8.974

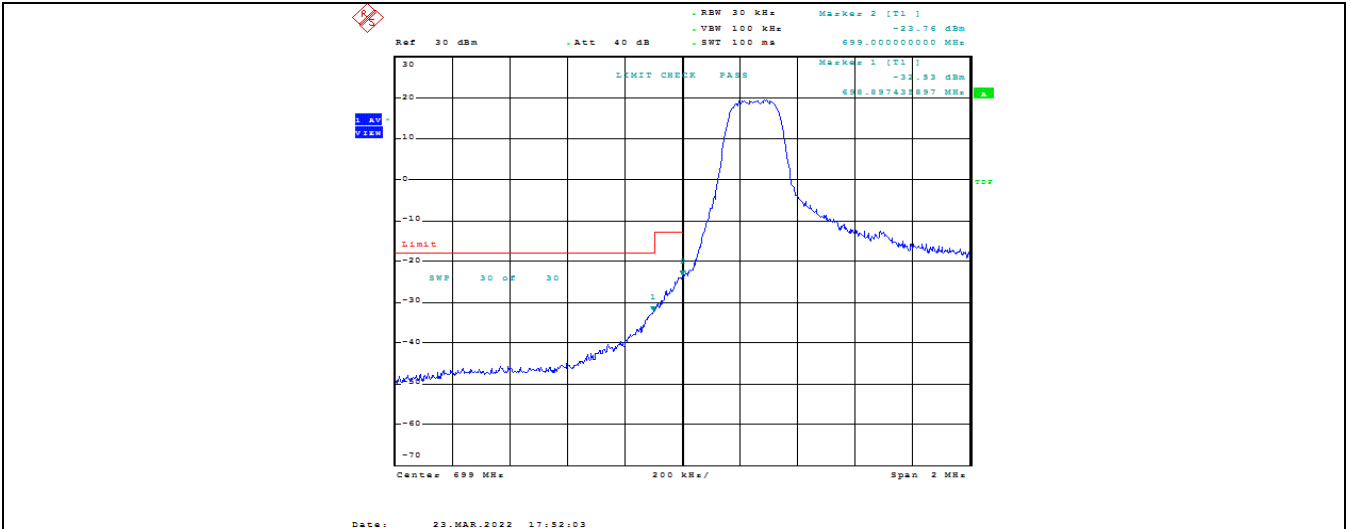
1.4. Appendix D: Band Edge

Test Result

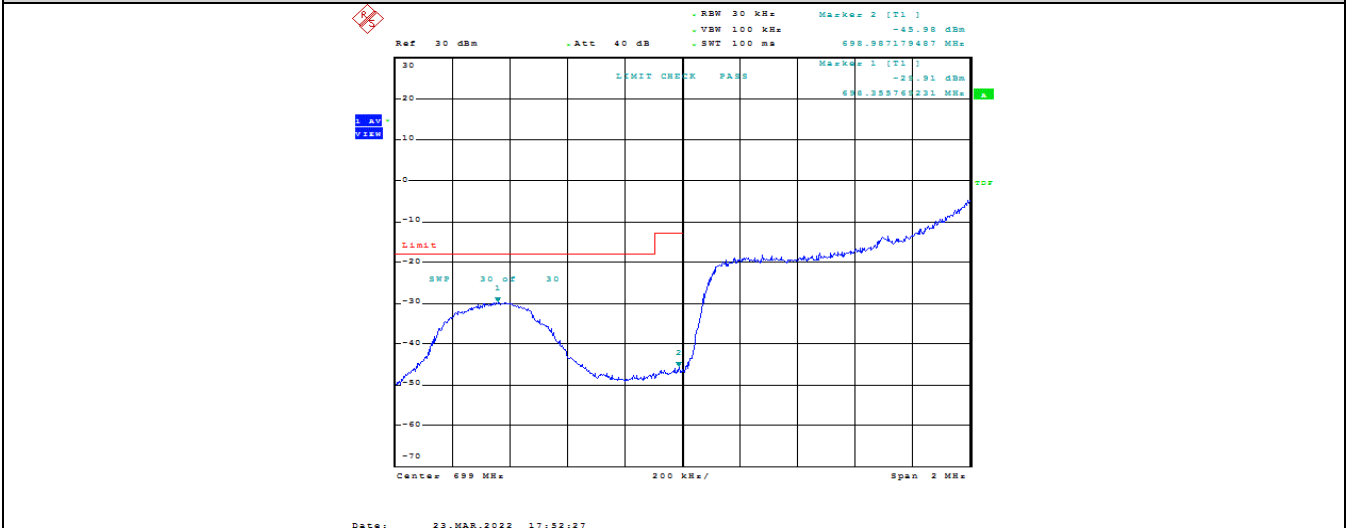
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-32.53,-23.76	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	-29.91,-45.98	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-29.83,-28.68	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	-45.56,-31.41	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-21.74,-32.13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-27.08,-27.73	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-33.46,-24.85	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	-30.30,-46.92	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-28.87,-28.23	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	-48.50,-33.63	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-26.60,-35.81	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-25.97,-26.81	PASS
Band12	3MHz	QPSK	23025	1RB#0	-33.46,-20.11	PASS
Band12	3MHz	QPSK	23025	1RB#14	-47.21,-36.86	PASS
Band12	3MHz	QPSK	23025	15RB#0	-38.24,-30.57	PASS
Band12	3MHz	QPSK	23165	1RB#0	-36.39,-47.89	PASS
Band12	3MHz	QPSK	23165	1RB#14	-18.51,-33.22	PASS
Band12	3MHz	QPSK	23165	15RB#0	-30.34,-36.72	PASS
Band12	3MHz	16QAM	23025	1RB#0	-36.93,-21.66	PASS
Band12	3MHz	16QAM	23025	1RB#14	-48.18,-38.78	PASS
Band12	3MHz	16QAM	23025	15RB#0	-37.81,-30.04	PASS
Band12	3MHz	16QAM	23165	1RB#0	-36.18,-47.54	PASS
Band12	3MHz	16QAM	23165	1RB#14	-20.04,-33.62	PASS
Band12	3MHz	16QAM	23165	15RB#0	-31.27,-38.32	PASS
Band12	5MHz	QPSK	23035	1RB#0	-17.70	PASS
Band12	5MHz	QPSK	23035	1RB#24	-38.73	PASS
Band12	5MHz	QPSK	23035	25RB#0	-26.65	PASS
Band12	5MHz	QPSK	23155	1RB#0	-38.80	PASS
Band12	5MHz	QPSK	23155	1RB#24	-18.07	PASS
Band12	5MHz	QPSK	23155	25RB#0	-27.47	PASS
Band12	5MHz	16QAM	23035	1RB#0	-21.61	PASS
Band12	5MHz	16QAM	23035	1RB#24	-39.72	PASS
Band12	5MHz	16QAM	23035	25RB#0	-28.56	PASS

Band12	5MHz	16QAM	23155	1RB#0	-38.41	PASS
Band12	5MHz	16QAM	23155	1RB#24	-19.65	PASS
Band12	5MHz	16QAM	23155	25RB#0	-29.23	PASS
Band12	10MHz	QPSK	23060	1RB#0	-25.28,-18.91	PASS
Band12	10MHz	QPSK	23060	1RB#49	-46.45,-44.67	PASS
Band12	10MHz	QPSK	23060	50RB#0	-33.90,-32.05	PASS
Band12	10MHz	QPSK	23130	1RB#0	-43.44,-45.64	PASS
Band12	10MHz	QPSK	23130	1RB#49	-18.28,-24.44	PASS
Band12	10MHz	QPSK	23130	50RB#0	-32.20,-34.95	PASS
Band12	10MHz	16QAM	23060	1RB#0	-26.89,-20.46	PASS
Band12	10MHz	16QAM	23060	1RB#49	-46.66,-45.01	PASS
Band12	10MHz	16QAM	23060	50RB#0	-34.73,-33.04	PASS
Band12	10MHz	16QAM	23130	1RB#0	-44.35,-45.96	PASS
Band12	10MHz	16QAM	23130	1RB#49	-20.40,-26.65	PASS
Band12	10MHz	16QAM	23130	50RB#0	-33.55,-36.05	PASS

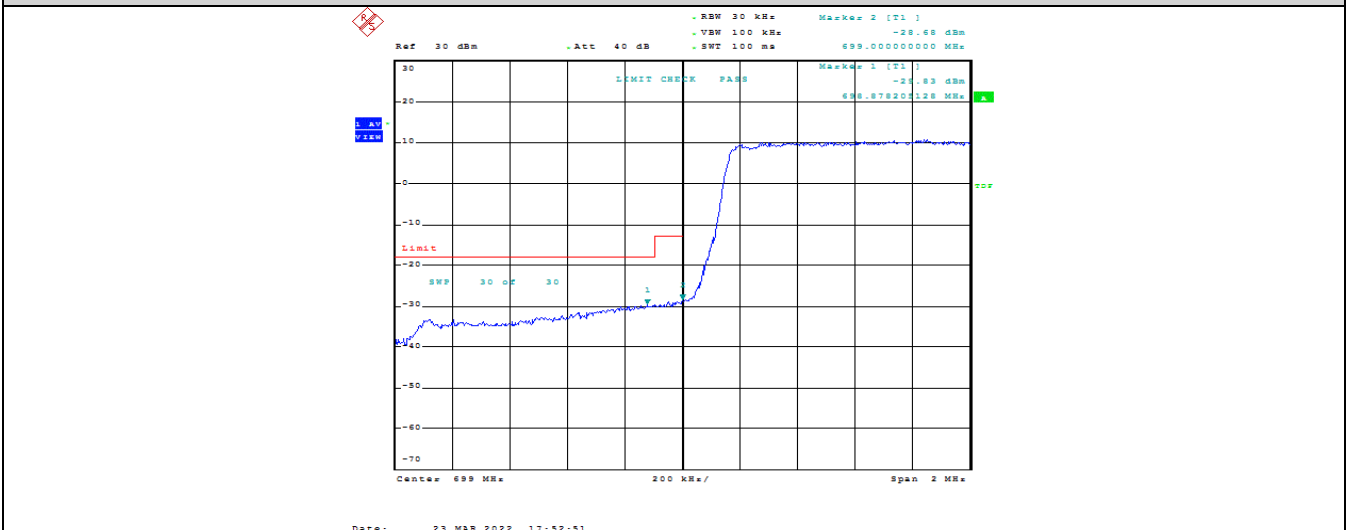
Test Graphs



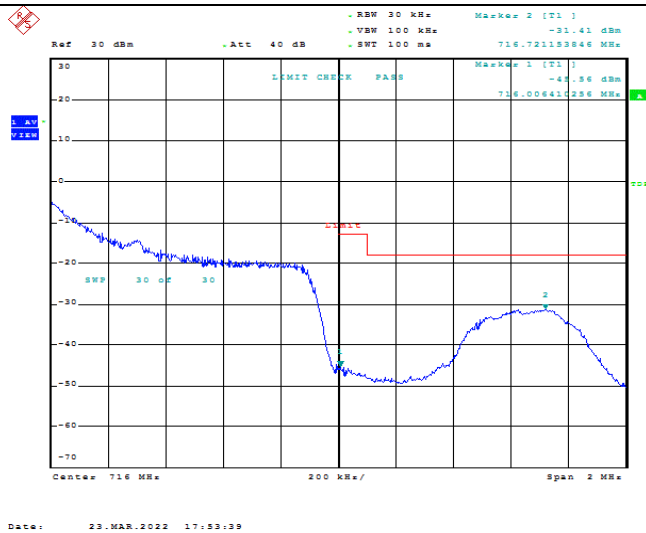
Band12-1.4MHz-QPSK-23017-1RB#0



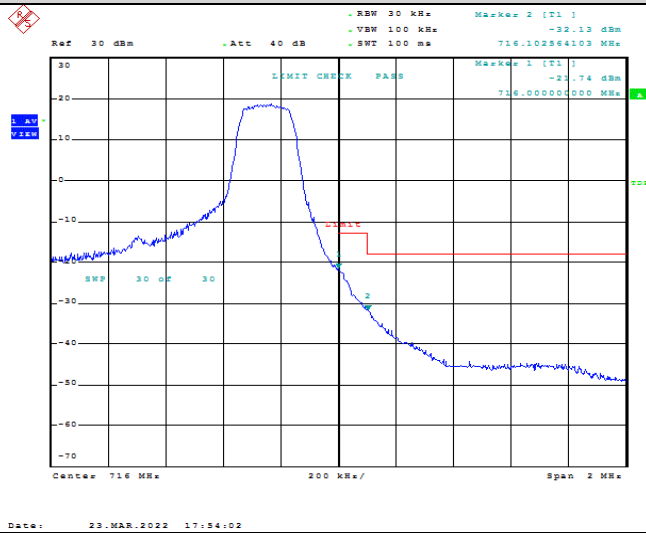
Band12-1.4MHz-QPSK-23017-1RB#5



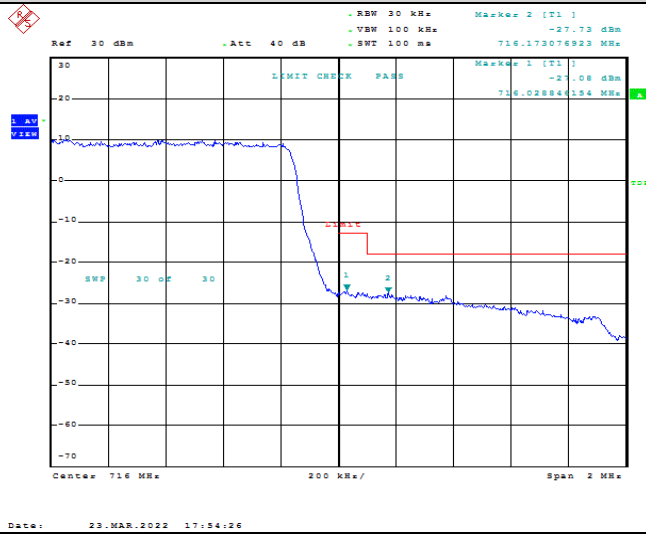
Band12-1.4MHz-QPSK-23017-6RB#0



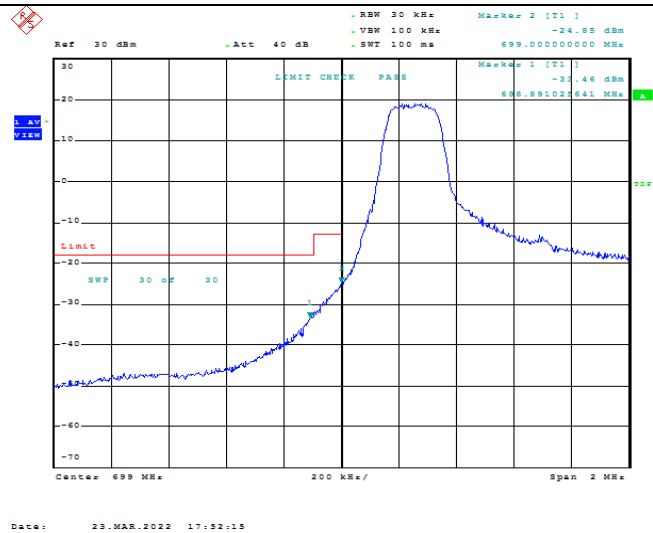
Band12-1.4MHz-QPSK-23173-1RB#0



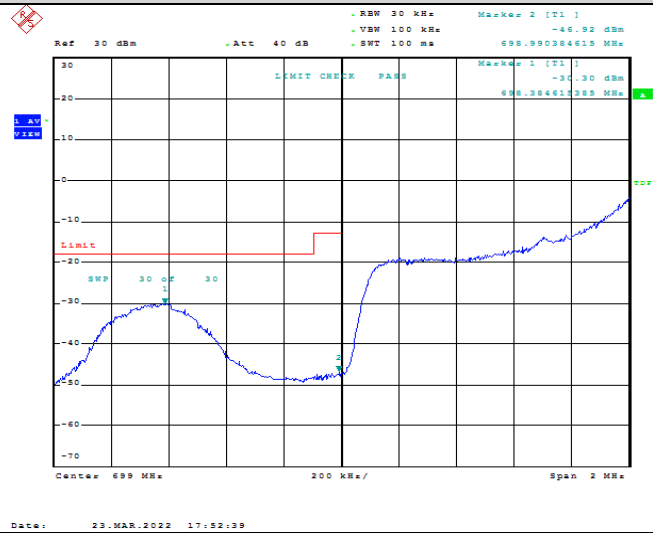
Band12-1.4MHz-QPSK-23173-1RB#5



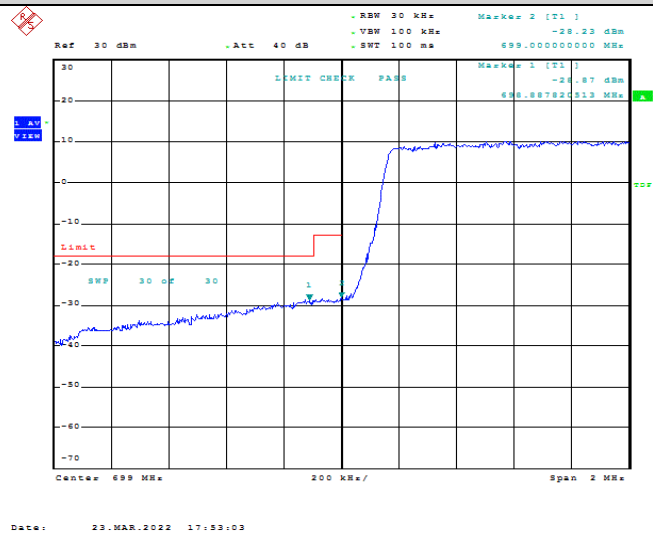
Band12-1.4MHz-QPSK-23173-6RB#0



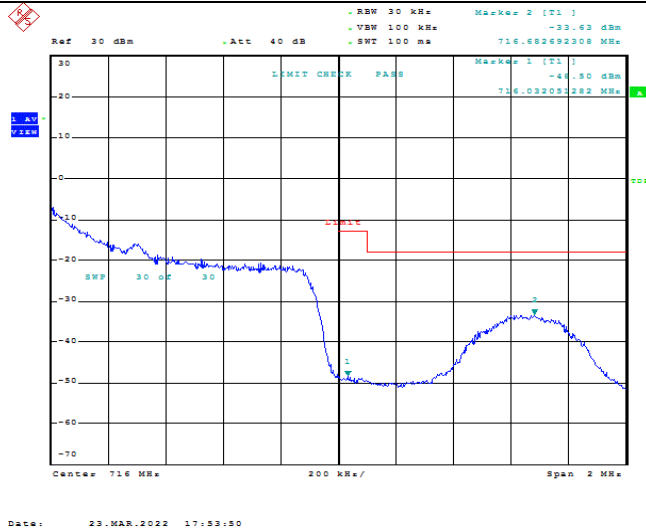
Band12-1.4MHz-16QAM-23017-1RB#0



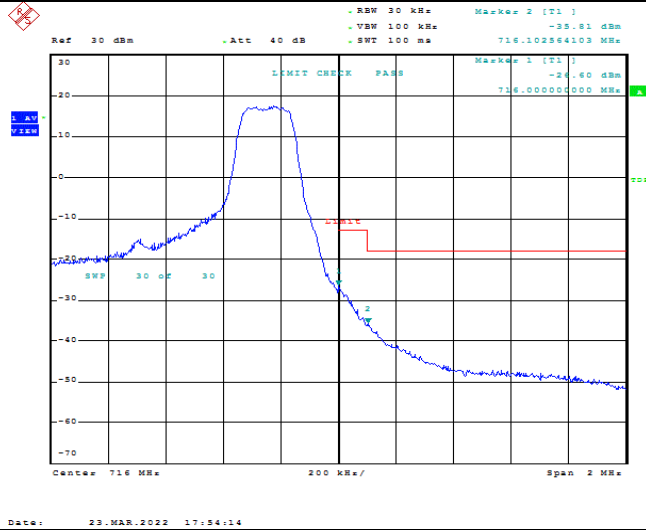
Band12-1.4MHz-16QAM-23017-1RB#5



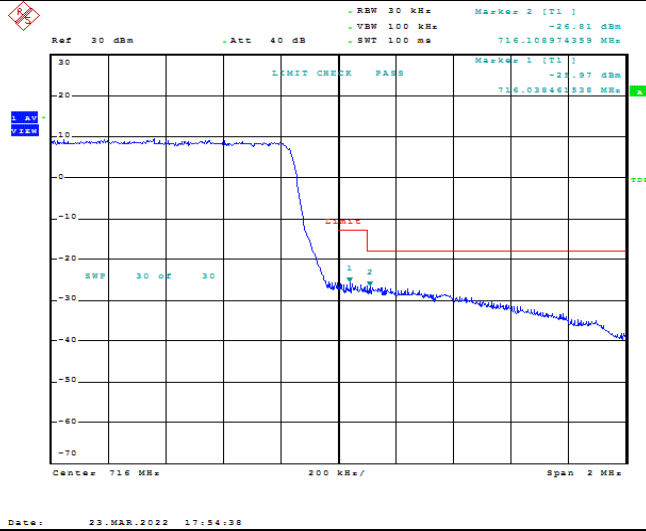
Band12-1.4MHz-16QAM-23017-6RB#0



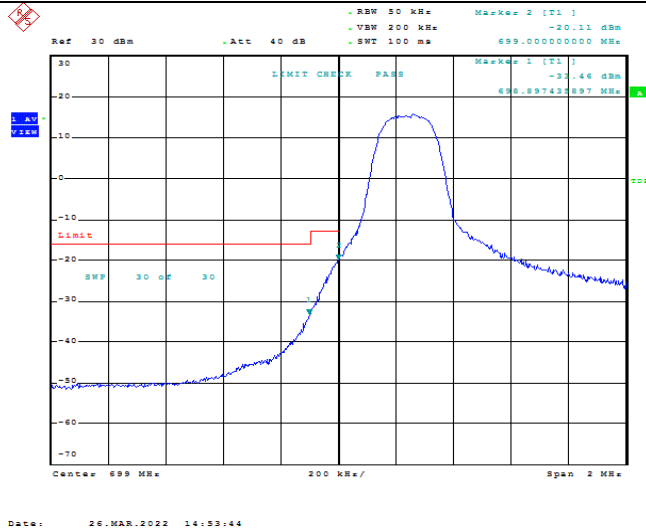
Band12-1.4MHz-16QAM-23173-1RB#0



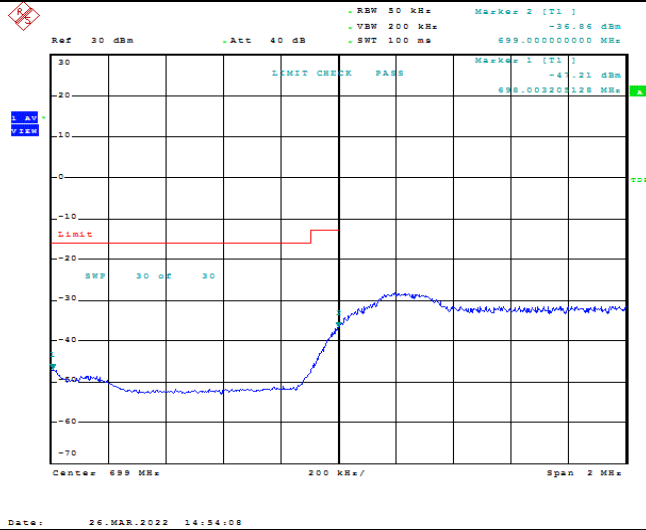
Band12-1.4MHz-16QAM-23173-1RB#5



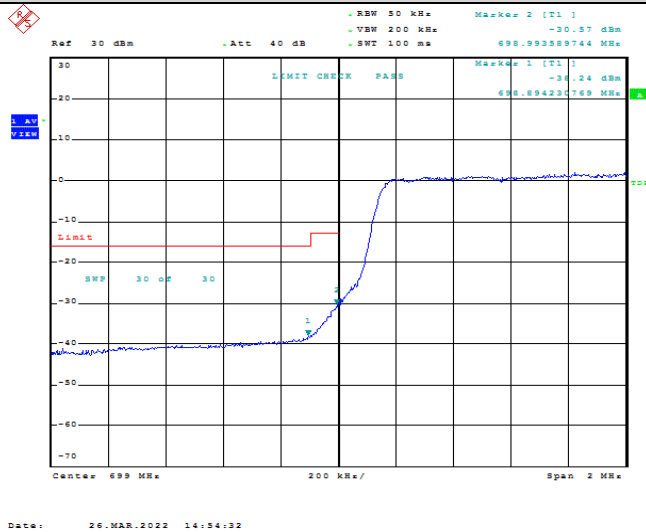
Band12-1.4MHz-16QAM-23173-6RB#0



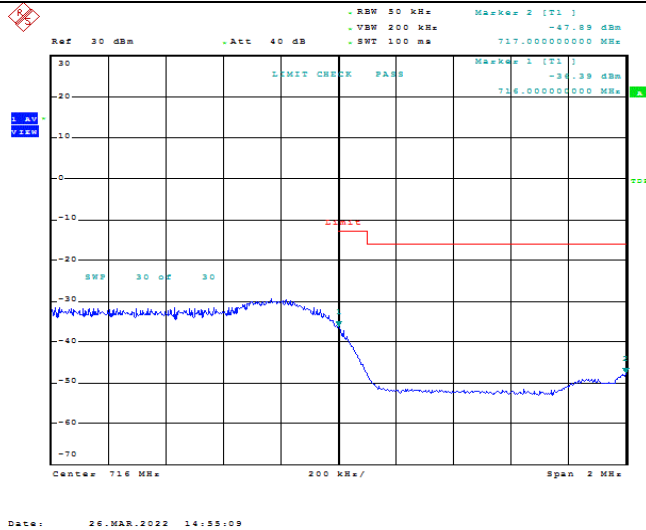
Band12-3MHz-QPSK-23025-1RB#0



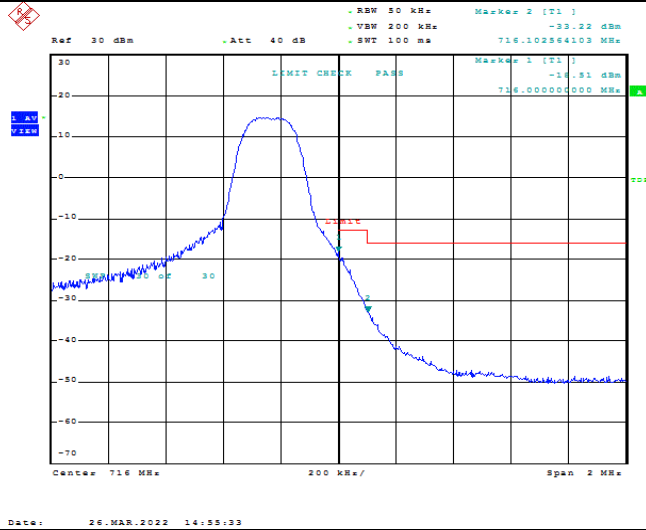
Band12-3MHz-QPSK-23025-1RB#14



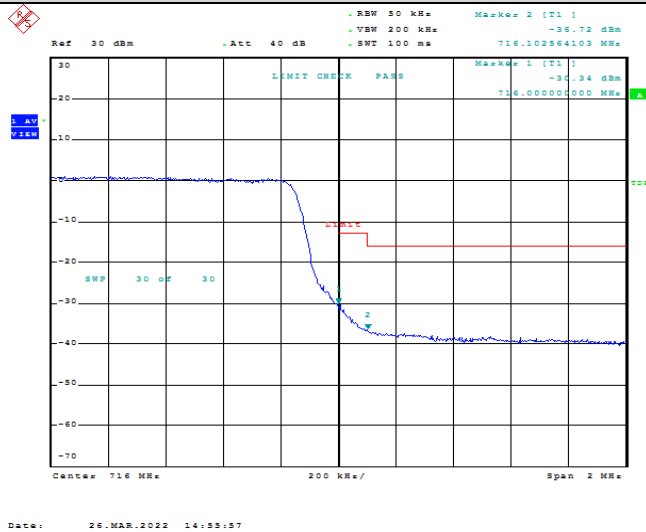
Band12-3MHz-QPSK-23025-15RB#0



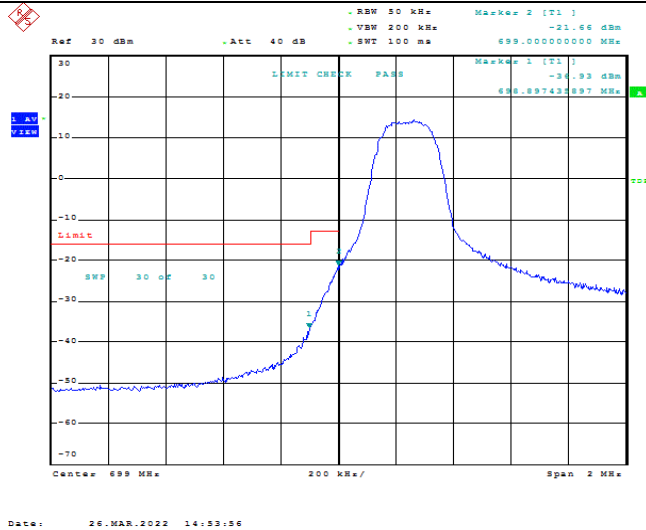
Band12-3MHz-QPSK-23165-1RB#0



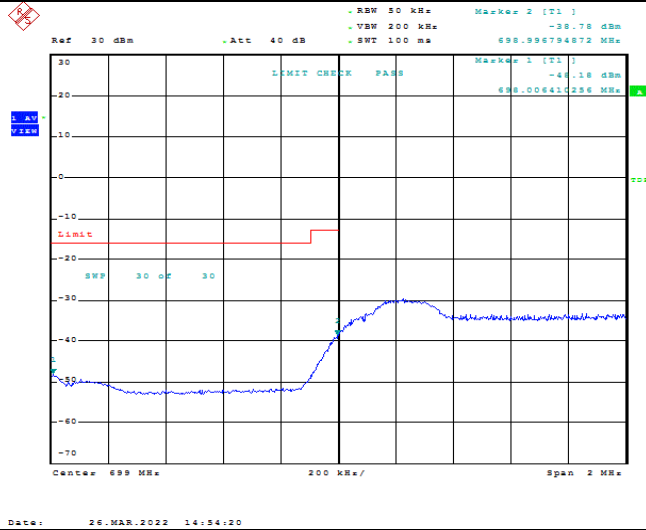
Band12-3MHz-QPSK-23165-1RB#14



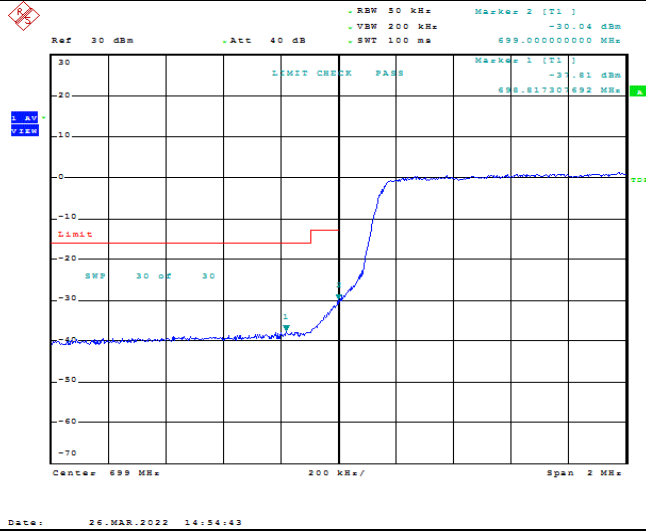
Band12-3MHz-QPSK-23165-15RB#0



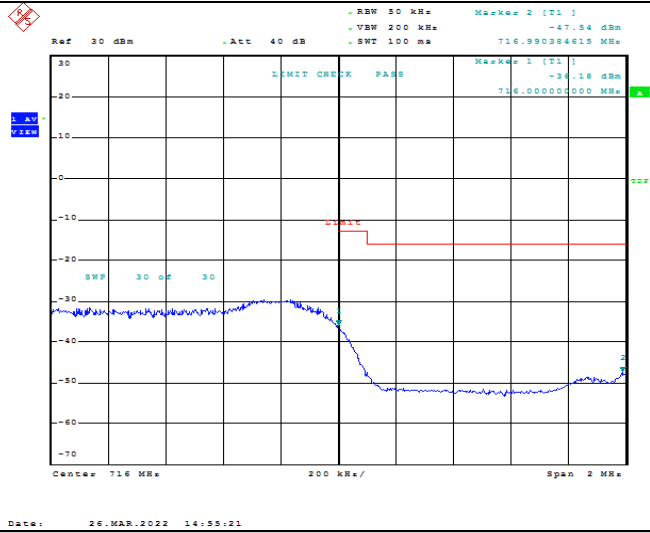
Band12-3MHz-16QAM-23025-1RB#0



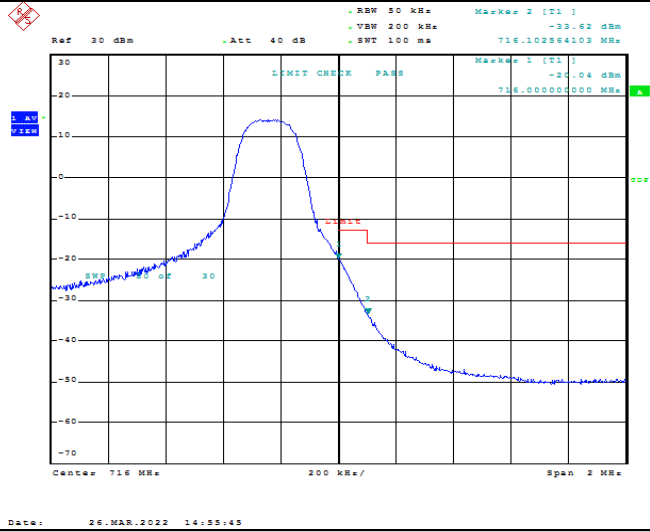
Band12-3MHz-16QAM-23025-1RB#14



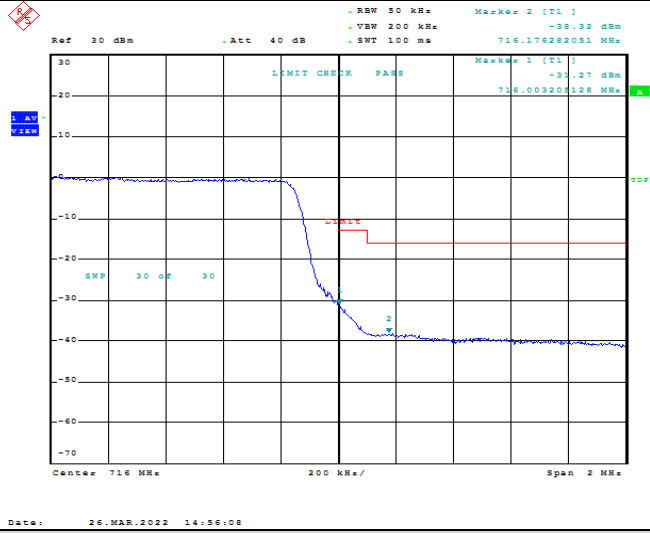
Band12-3MHz-16QAM-23025-15RB#0



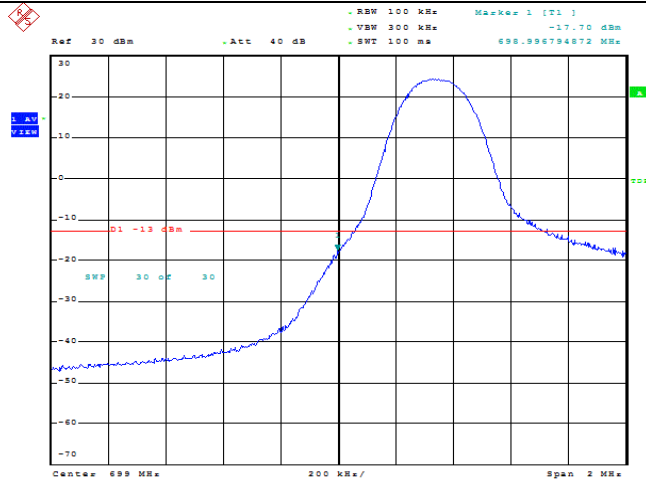
Band12-3MHz-16QAM-23165-1RB#0



Band12-3MHz-16QAM-23165-1RB#14

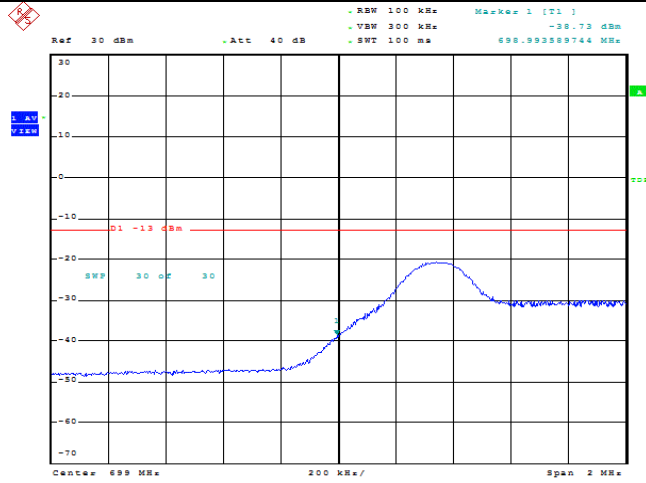


Band12-3MHz-16QAM-23165-15RB#0



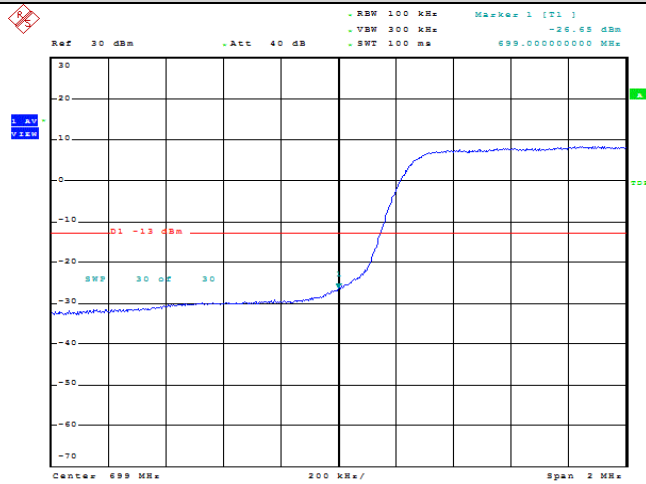
Date: 23.MAR.2022 19:59:54

Band12-5MHz-QPSK-23035-1RB#0



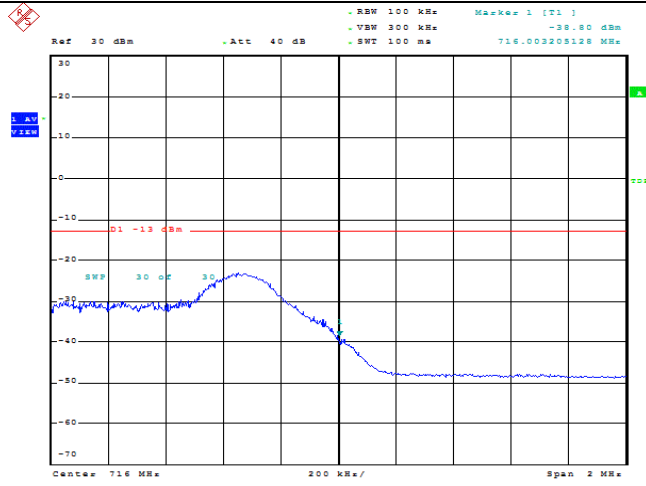
Date: 23.MAR.2022 20:00:15

Band12-5MHz-QPSK-23035-1RB#24



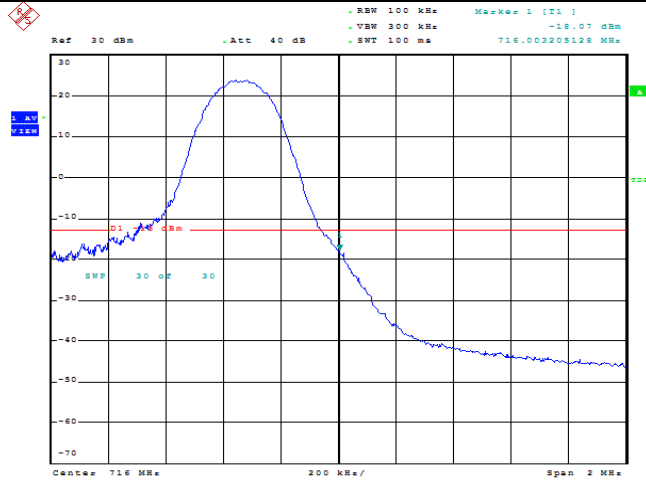
Date: 23.MAR.2022 20:00:37

Band12-5MHz-QPSK-23035-25RB#0



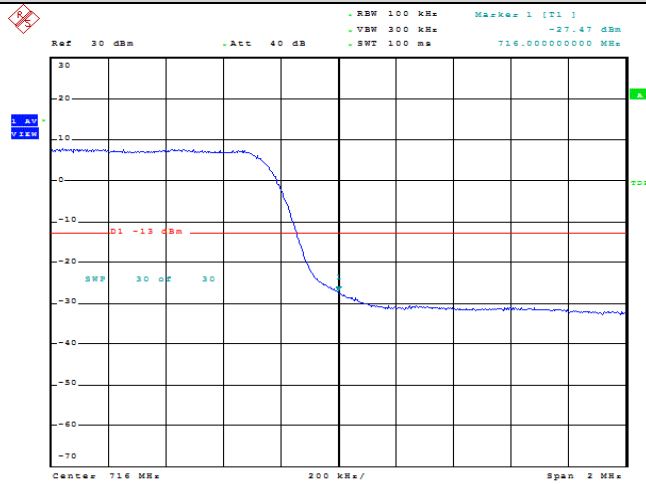
Date: 23.MAR.2022 20:01:32

Band12-5MHz-QPSK-23155-1RB#0



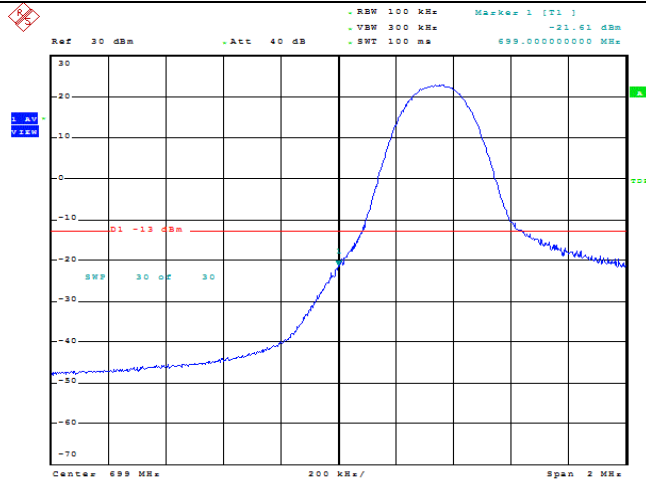
Date: 23.MAR.2022 20:01:33

Band12-5MHz-QPSK-23155-1RB#24



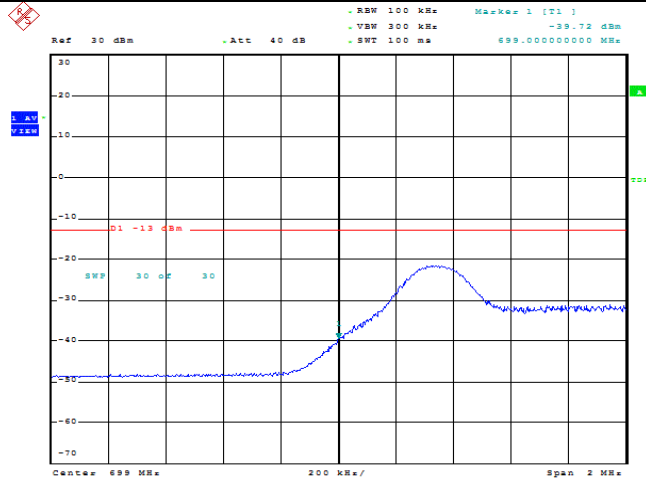
Date: 23.MAR.2022 20:01:55

Band12-5MHz-QPSK-23155-25RB#0



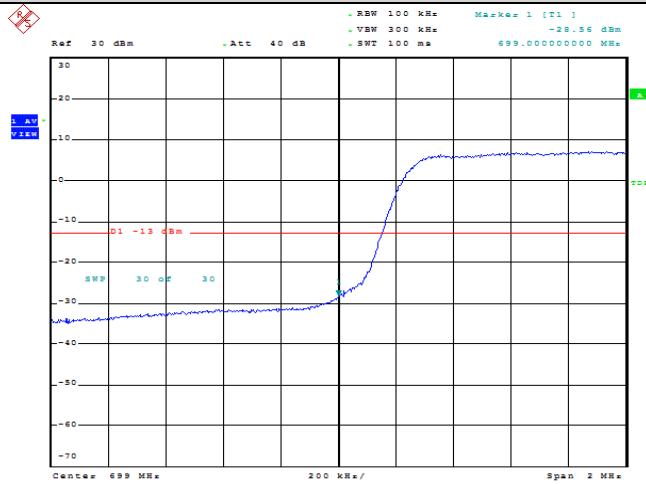
Date: 23.MAR.2022 20:00:04

Band12-5MHz-16QAM-23035-1RB#0



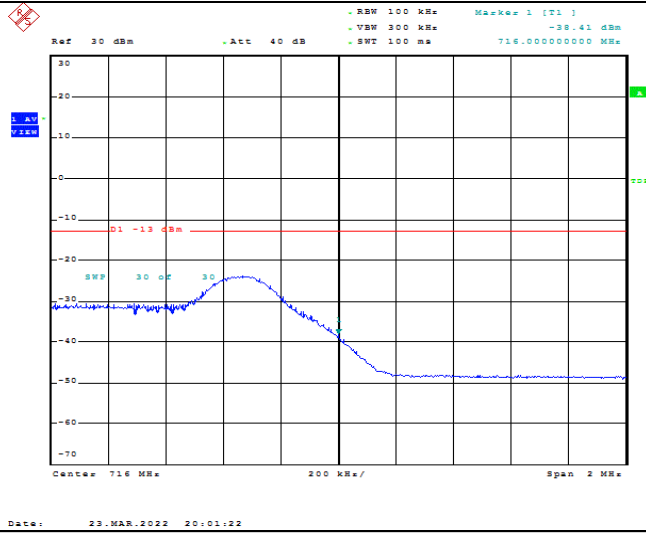
Date: 23.MAR.2022 20:00:26

Band12-5MHz-16QAM-23035-1RB#24

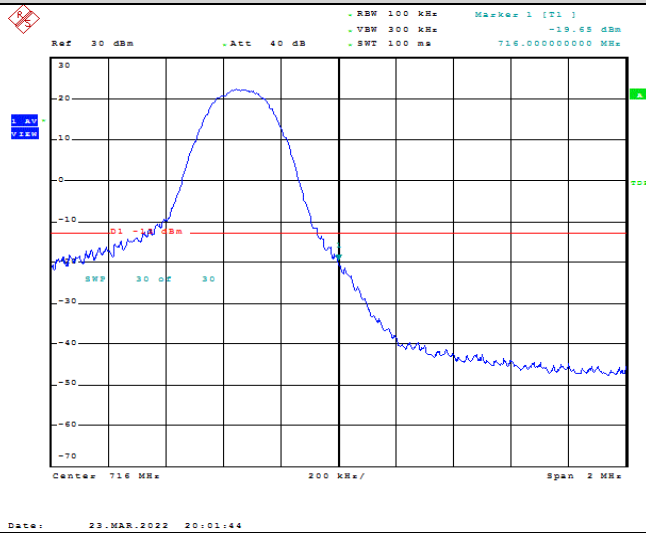


Date: 23.MAR.2022 20:00:47

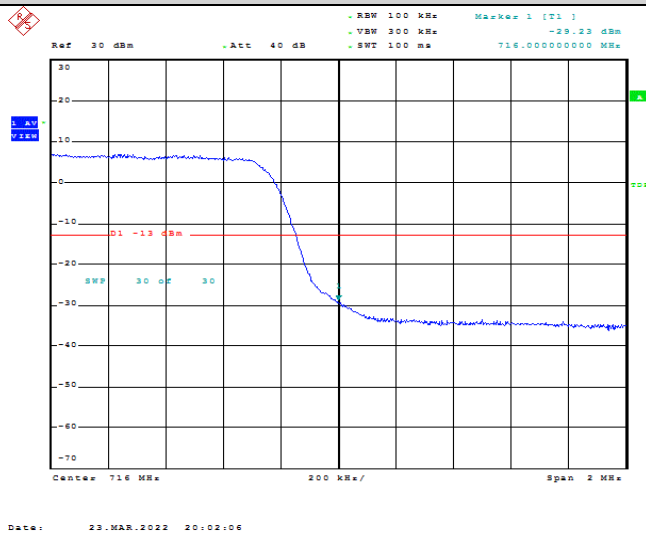
Band12-5MHz-16QAM-23035-25RB#0



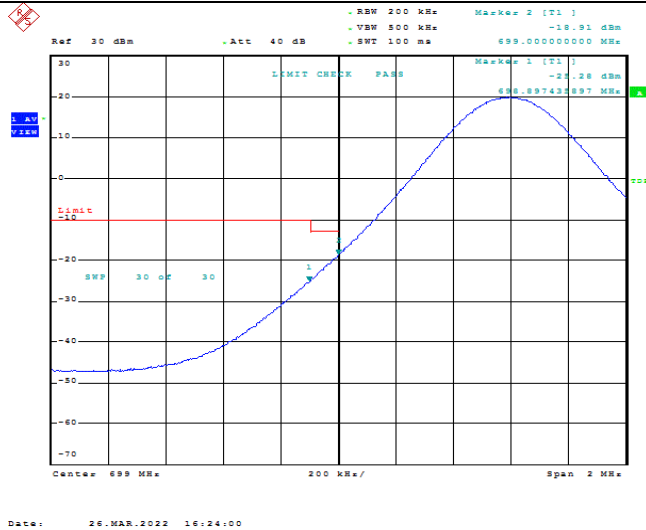
Band12-5MHz-16QAM-23155-1RB#0



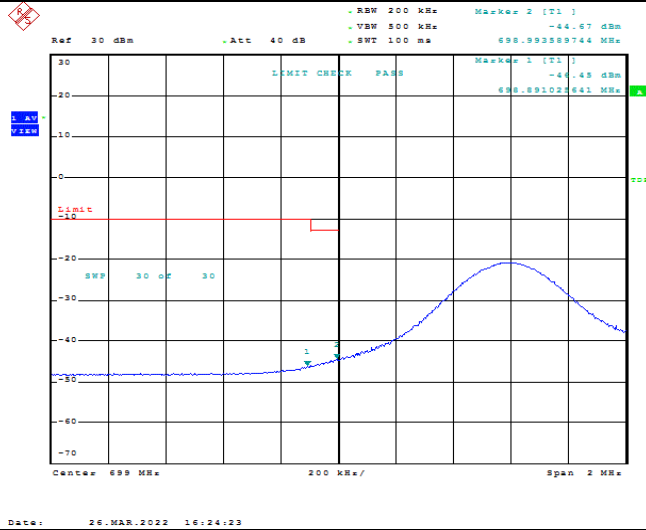
Band12-5MHz-16QAM-23155-1RB#24



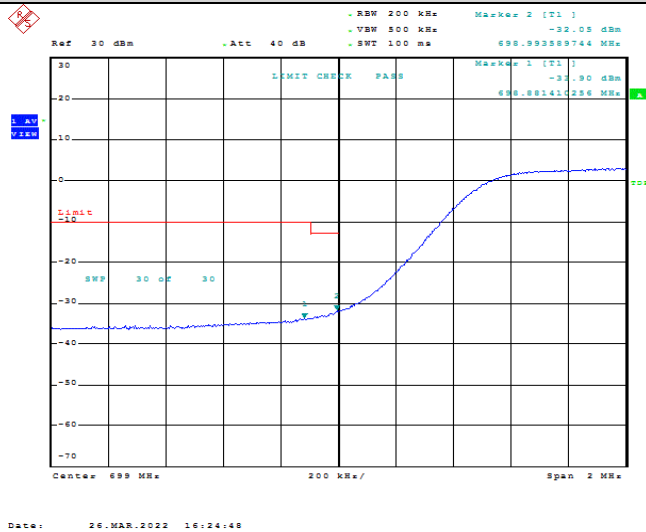
Band12-5MHz-16QAM-23155-25RB#0



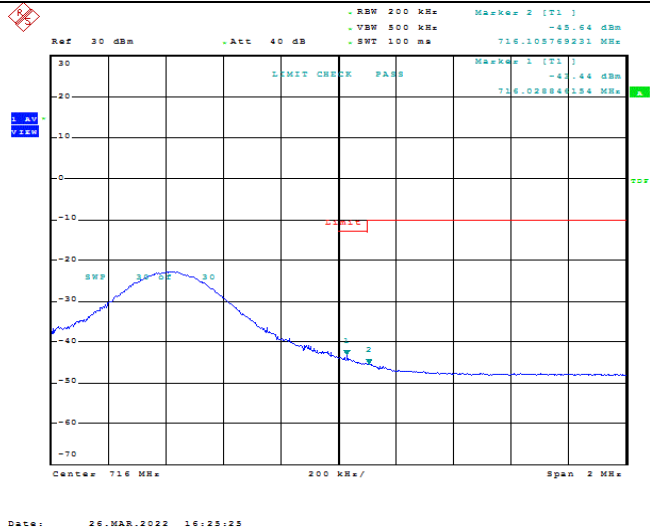
Band12-10MHz-QPSK-23060-1RB#0



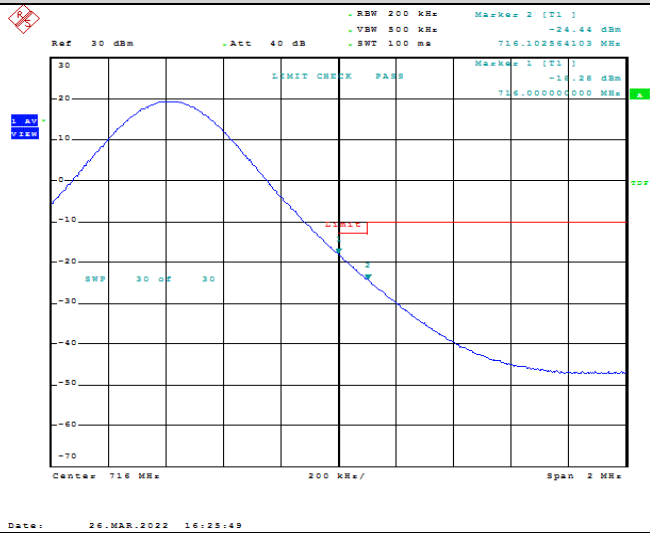
Band12-10MHz-QPSK-23060-1RB#49



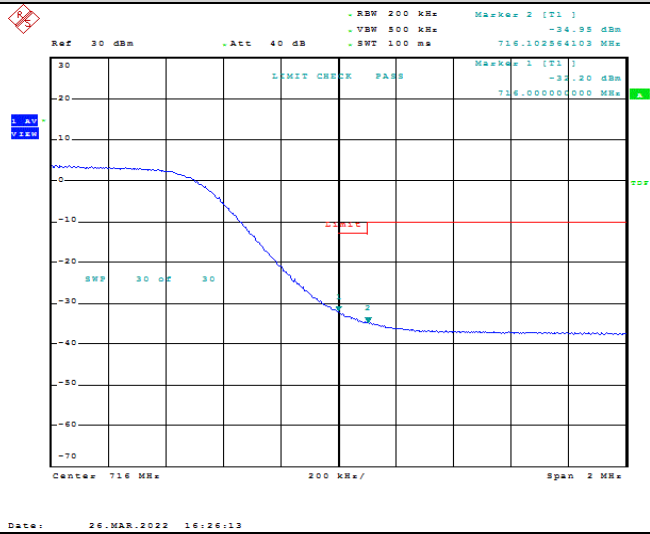
Band12-10MHz-QPSK-23060-50RB#0



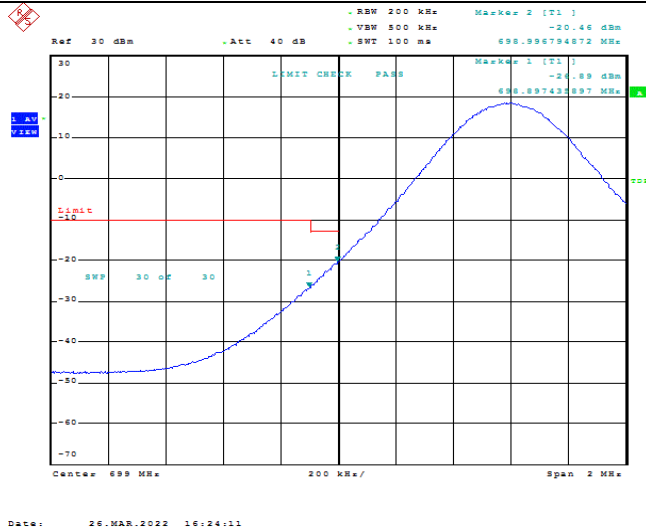
Band12-10MHz-QPSK-23130-1RB#0



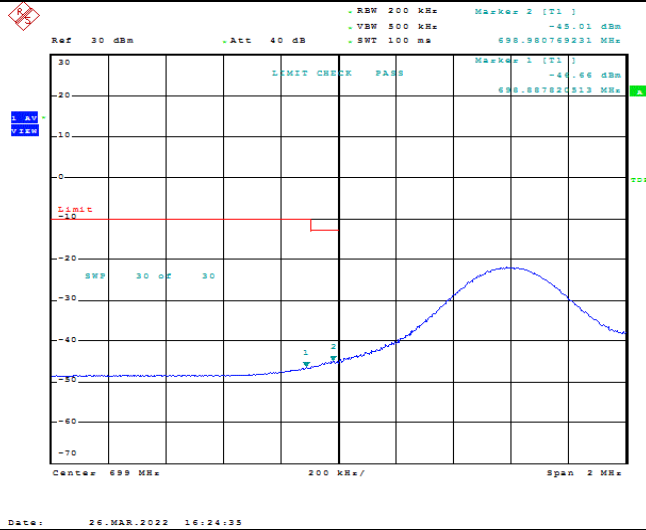
Band12-10MHz-QPSK-23130-1RB#49



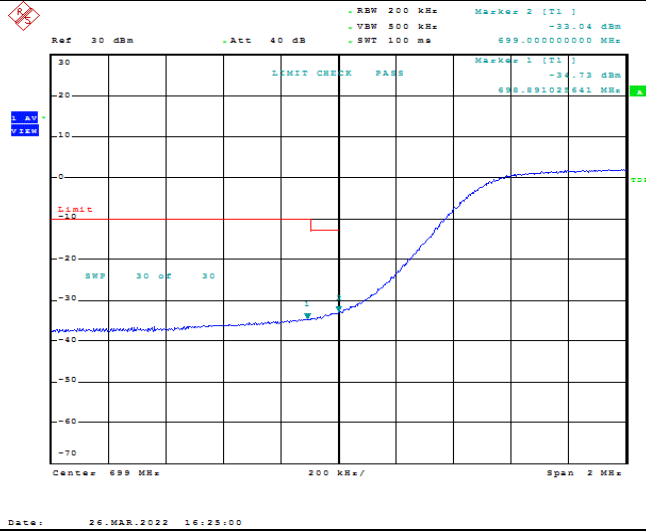
Band12-10MHz-QPSK-23130-50RB#0



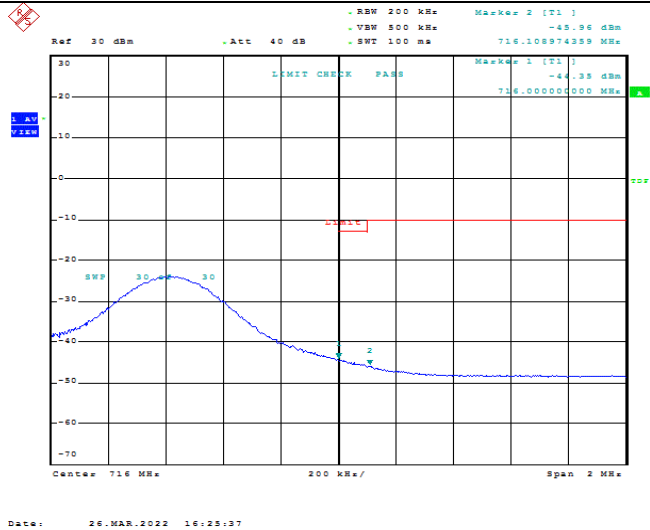
Band12-10MHz-16QAM-23060-1RB#0



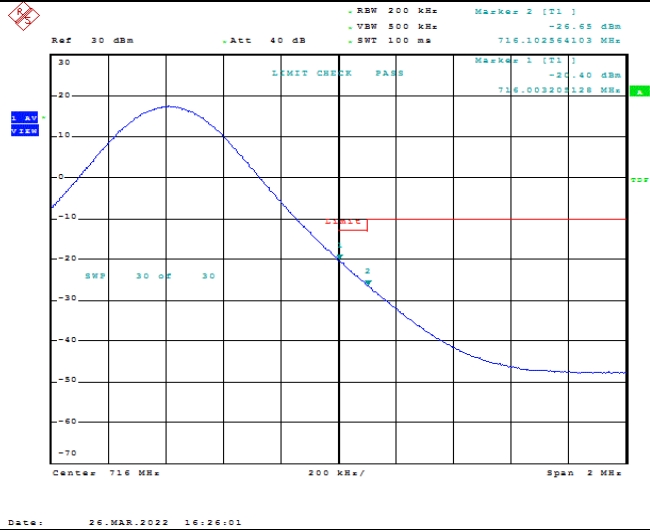
Band12-10MHz-16QAM-23060-1RB#49



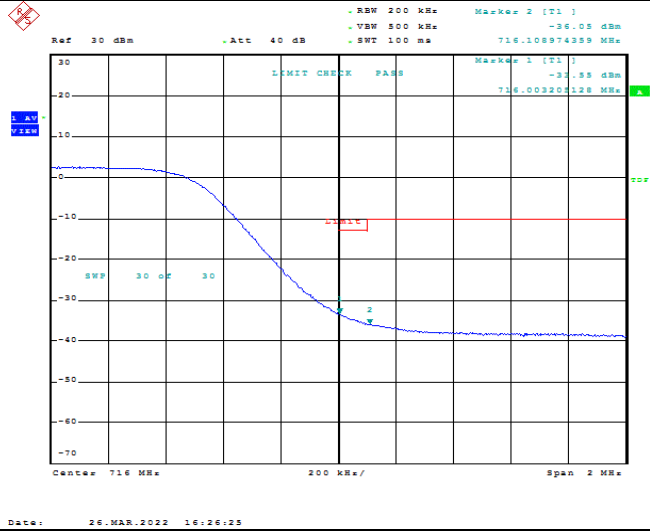
Band12-10MHz-16QAM-23060-50RB#0



Band12-10MHz-16QAM-23130-1RB#0



Band12-10MHz-16QAM-23130-1RB#49



Band12-10MHz-16QAM-23130-50RB#0

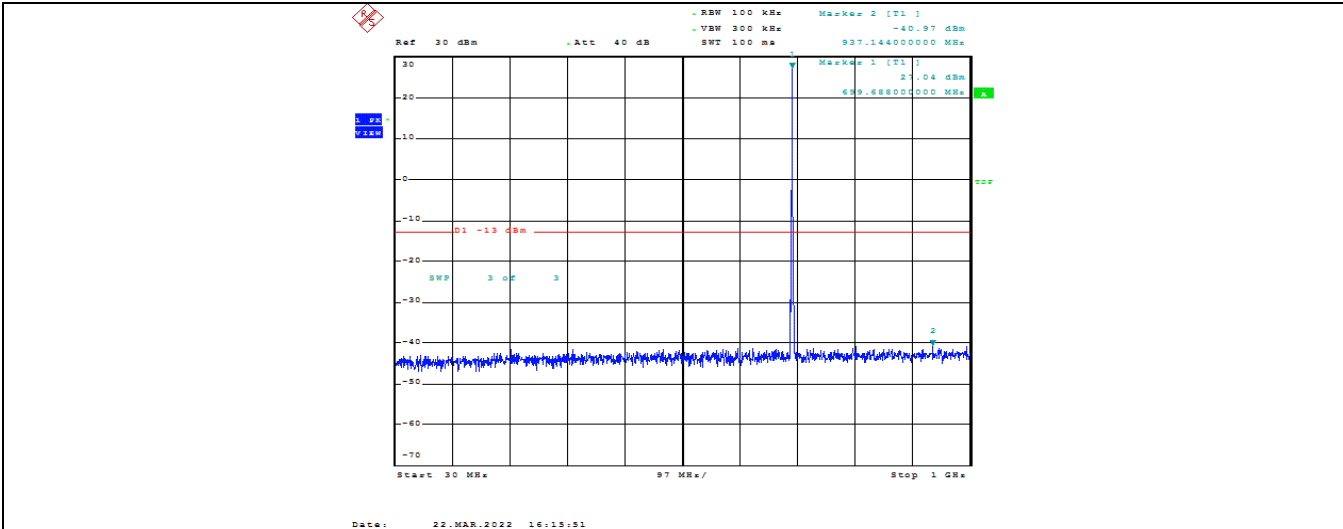
1.5. Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-40.97	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-28.84	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-40.66	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-28.56	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-41.11	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-26.38	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-40.66	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-29.91	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-39.99	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:1000~10000MHz	-28.98	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-41.17	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-28.66	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:30~1000MHz	-41.29	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range2:1000~10000MHz	-28.41	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-40.54	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:1000~10000MHz	-29.64	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-41.09	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-32.14	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-41.04	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:1000~10000MHz	-26.96	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-40.74	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:1000~10000MHz	-28.33	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-41.18	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-33.97	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-40.88	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:1000~10000MHz	-27.9	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-40.8	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:1000~10000MHz	-29.01	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-41	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-35.06	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-40.52	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range2:1000~10000MHz	-26.61	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-41.5	PASS

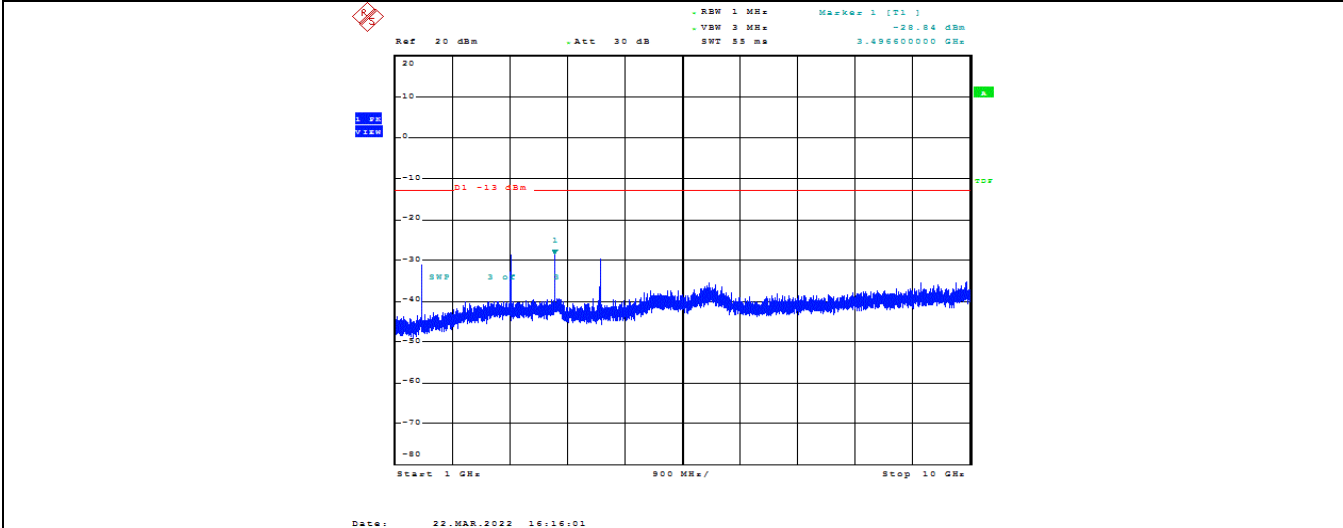
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-27.17	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-41.04	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-30.88	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-41.32	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-33.57	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-41.27	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-29.59	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-40.69	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-29.07	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-41.16	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-33.42	PASS

Test Graphs



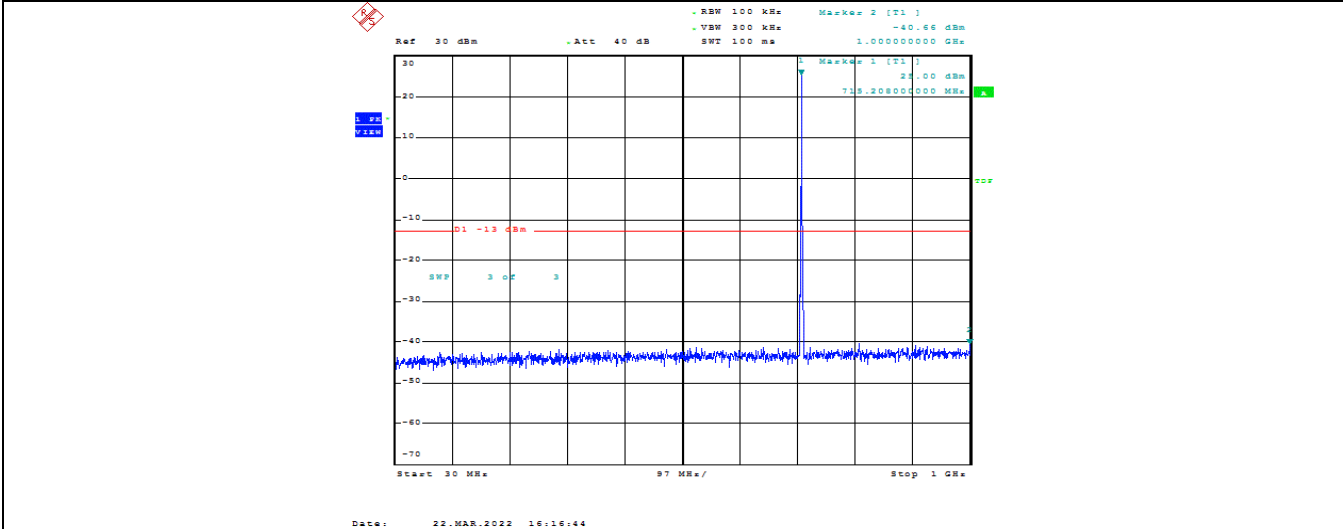
Date: 22.MAR.2022 16:15:51

Band12-1.4MHz-QPSK-23017-1RB#0-Range1:30~1000MHz



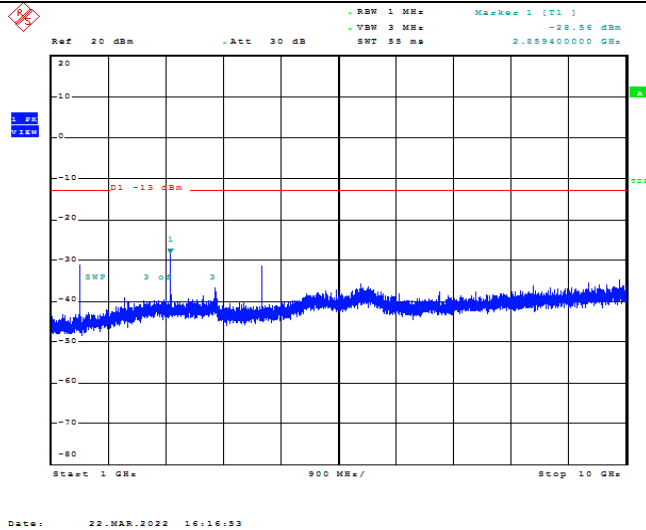
Date: 22.MAR.2022 16:16:01

Band12-1.4MHz-QPSK-23017-1RB#0-Range2:1000~10000MHz

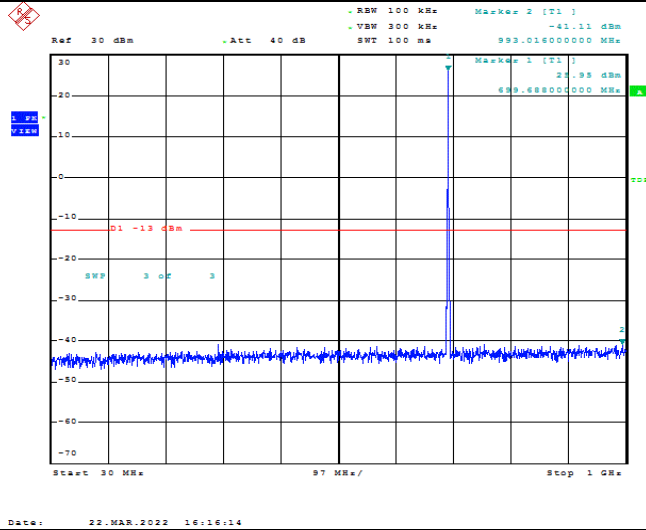


Date: 22.MAR.2022 16:16:44

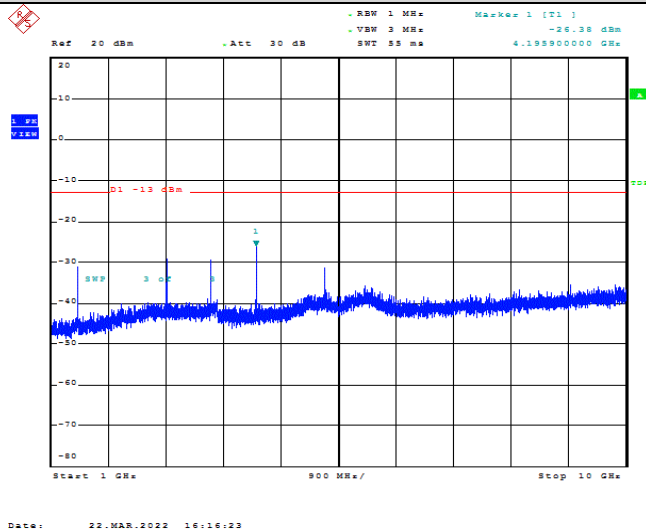
Band12-1.4MHz-QPSK-23173-1RB#0-Range1:30~1000MHz



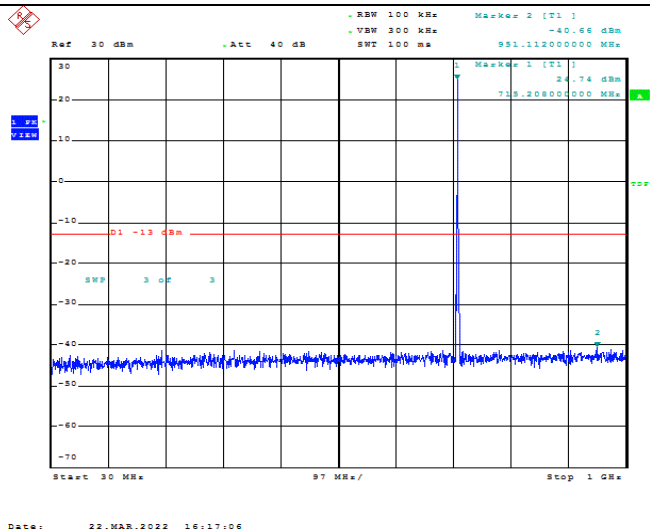
Band12-1.4MHz-QPSK-23173-1RB#0-Range2:1000~10000MHz



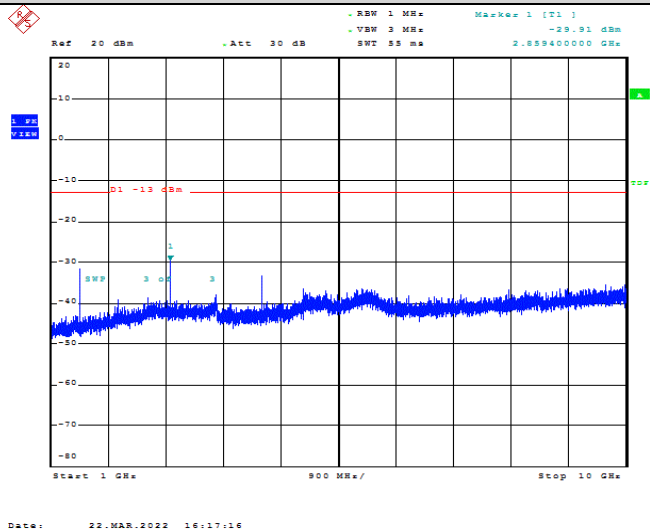
Band12-1.4MHz-16QAM-23017-1RB#0-Range1:30~1000MHz



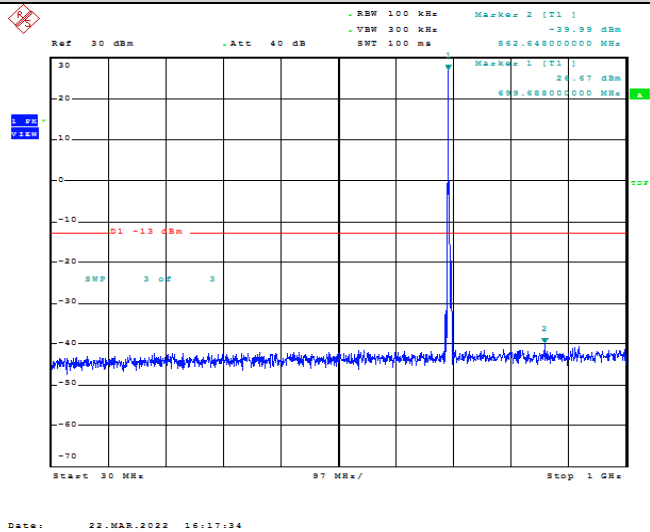
Band12-1.4MHz-16QAM-23017-1RB#0-Range2:1000~10000MHz



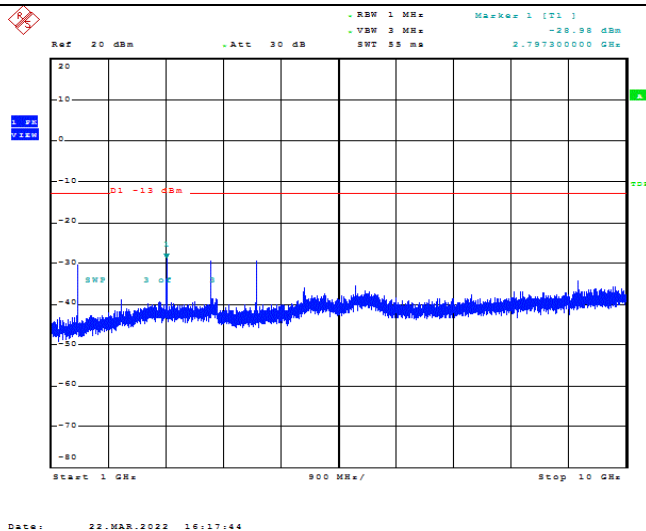
Band12-1.4MHz-16QAM-23173-1RB#0-Range1:30~1000MHz



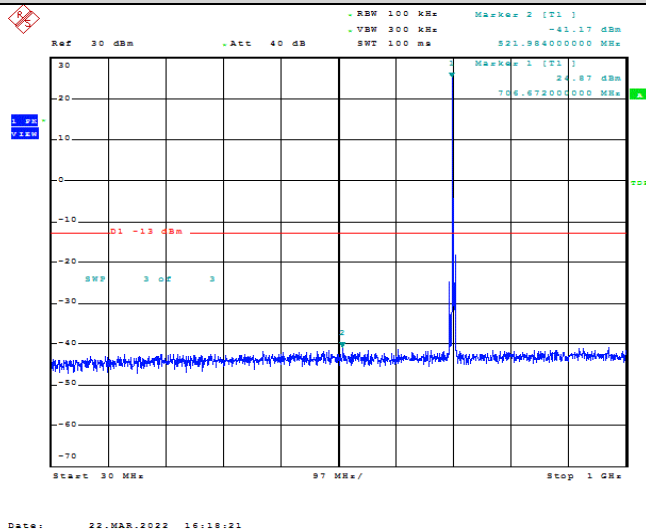
Band12-1.4MHz-16QAM-23173-1RB#0-Range2:1000~10000MHz



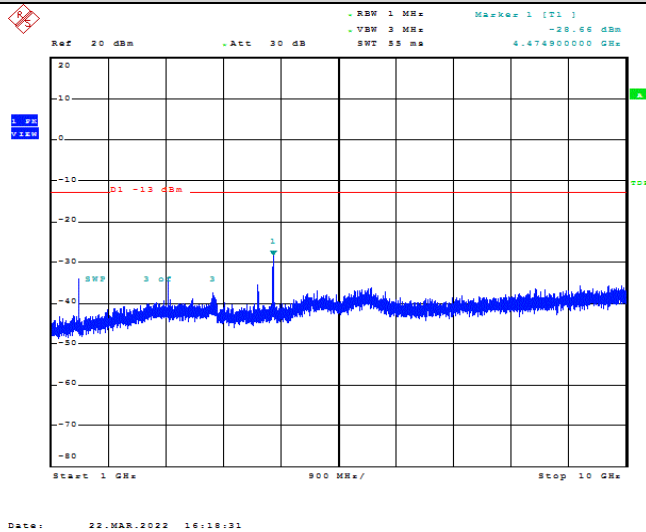
Band12-3MHz-QPSK-23025-1RB#0-Range1:30~1000MHz



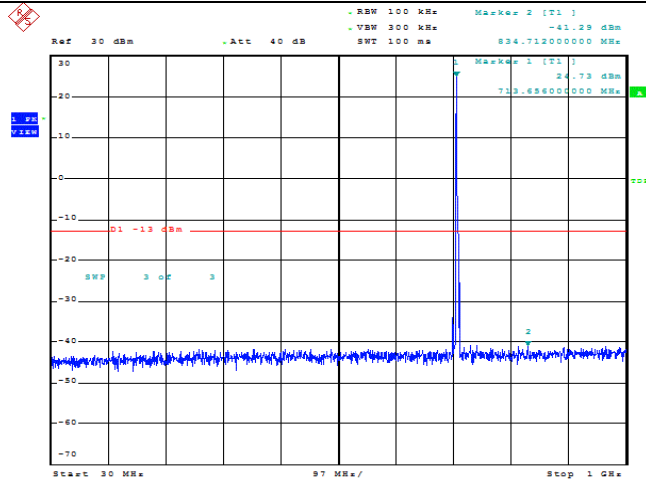
Band12-3MHz-QPSK-23025-1RB#0-Range2:1000~10000MHz



Band12-3MHz-QPSK-23095-1RB#0-Range1:30~1000MHz

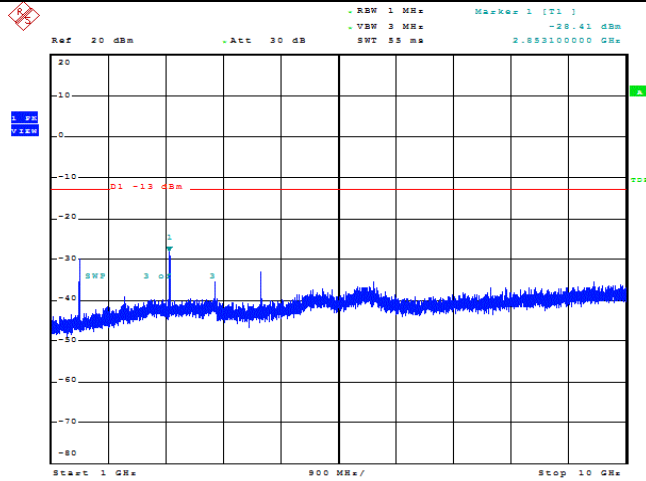


Band12-3MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



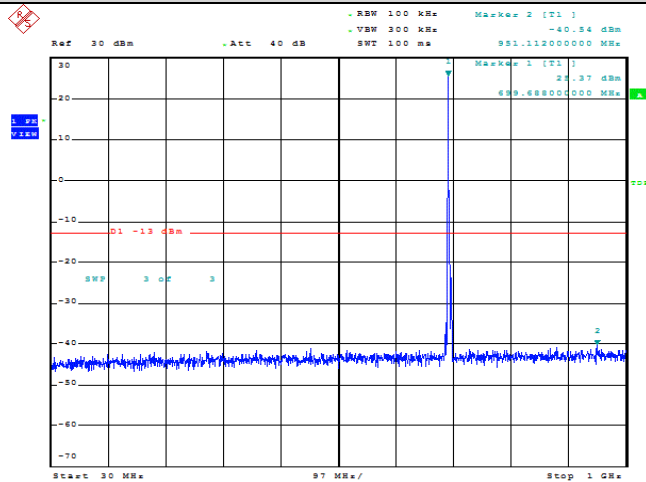
Date: 22.MAR.2022 16:19:09

Band12-3MHz-QPSK-23165-1RB#0-Range1:30~1000MHz



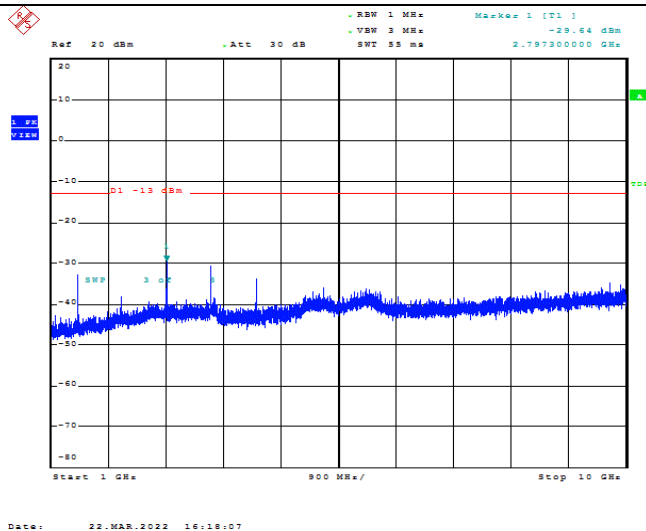
Date: 22.MAR.2022 16:19:19

Band12-3MHz-QPSK-23165-1RB#0-Range2:1000~10000MHz



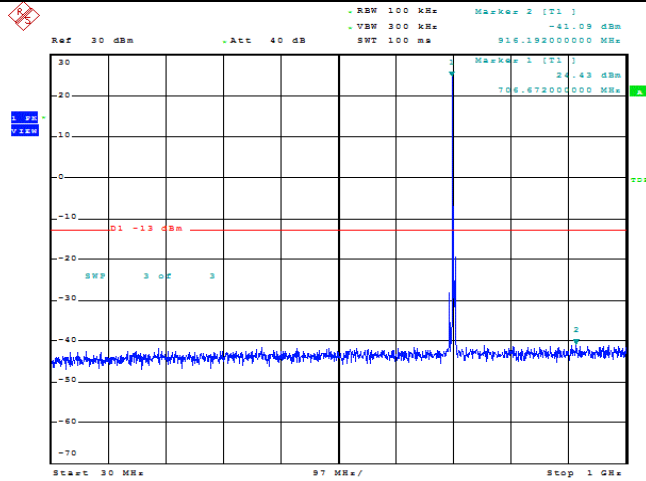
Date: 22.MAR.2022 16:17:57

Band12-3MHz-16QAM-23025-1RB#0-Range1:30~1000MHz



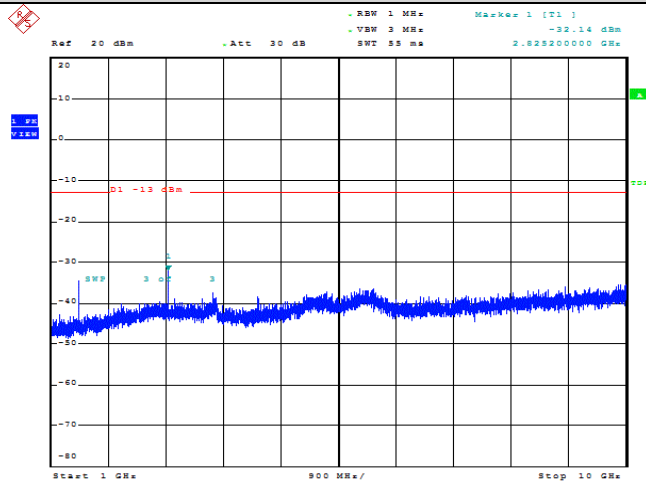
Date: 22.MAR.2022 16:18:07

Band12-3MHz-16QAM-23025-1RB#0-Range2:1000~10000MHz



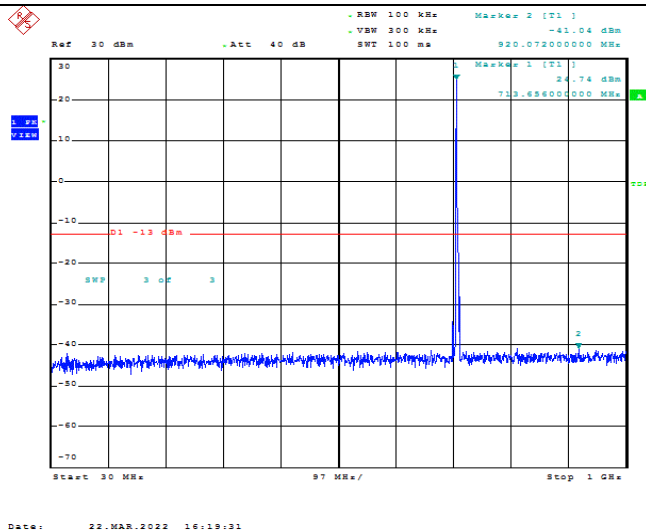
Date: 22.MAR.2022 16:18:44

Band12-3MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



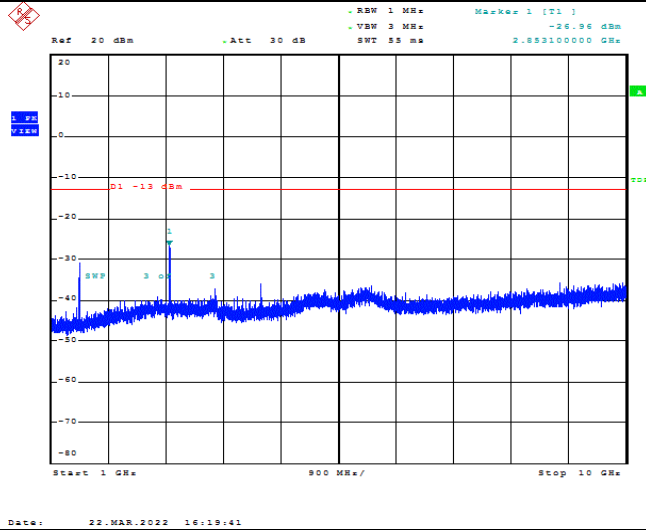
Date: 22.MAR.2022 16:18:54

Band12-3MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



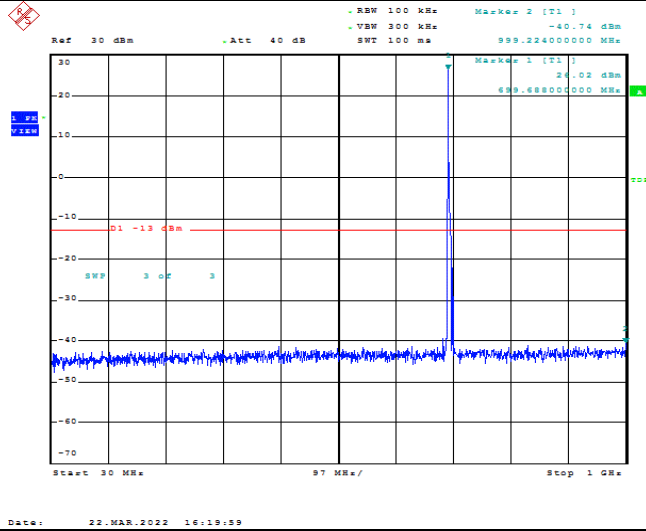
Date: 22.MAR.2022 16:19:31

Band12-3MHz-16QAM-23165-1RB#0-Range1:30~1000MHz



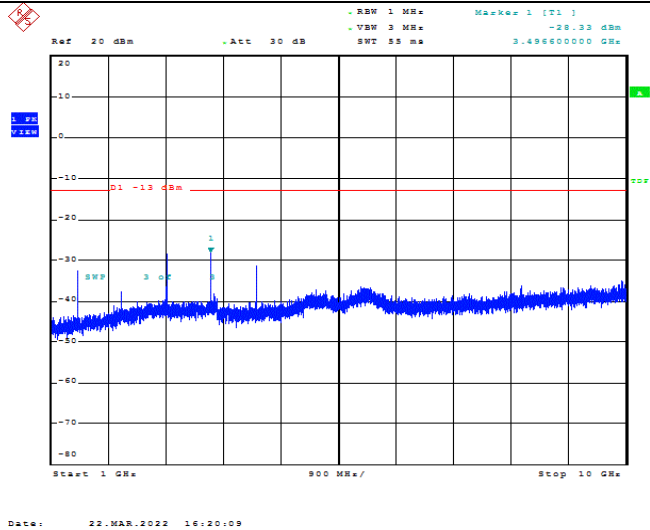
Date: 22.MAR.2022 16:19:41

Band12-3MHz-16QAM-23165-1RB#0-Range2:1000~10000MHz

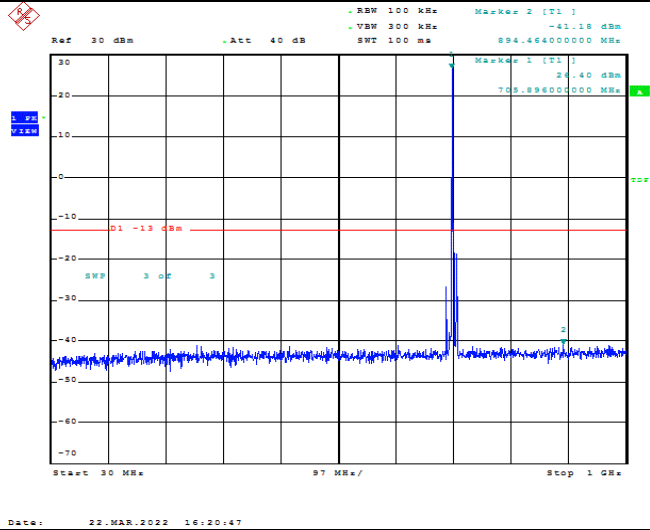


Date: 22.MAR.2022 16:19:59

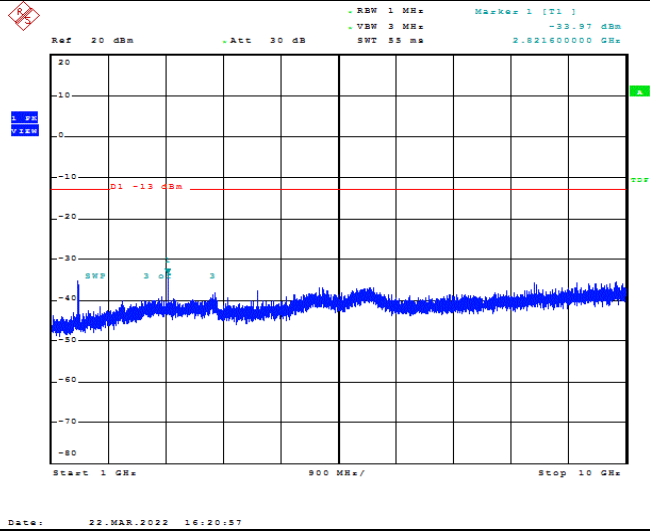
Band12-5MHz-QPSK-23035-1RB#0-Range1:30~1000MHz



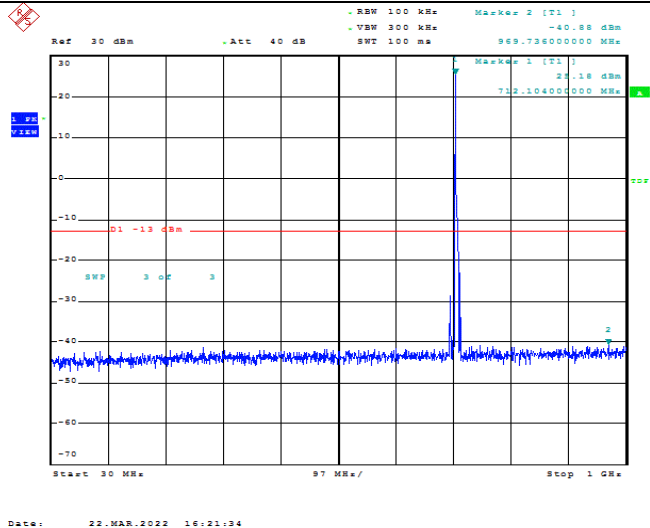
Band12-5MHz-QPSK-23035-1RB#0-Range2:1000~10000MHz



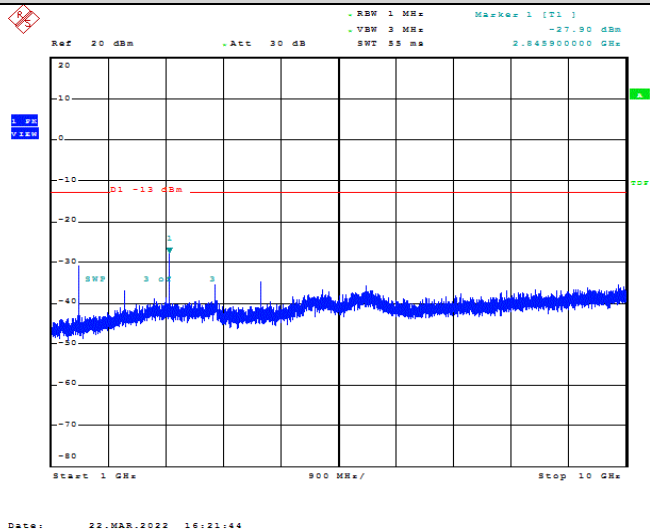
Band12-5MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



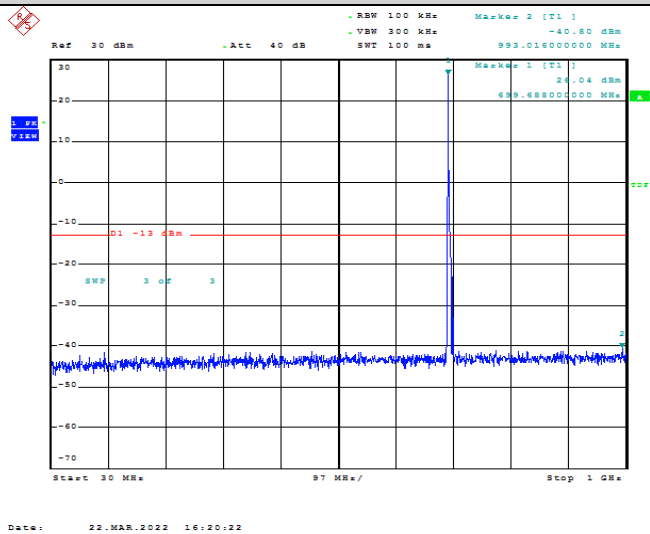
Band12-5MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



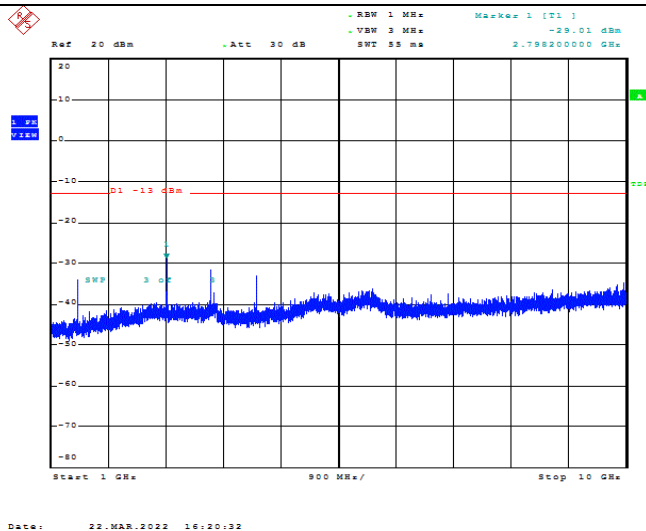
Band12-5MHz-QPSK-23155-1RB#0-Range1:30~1000MHz



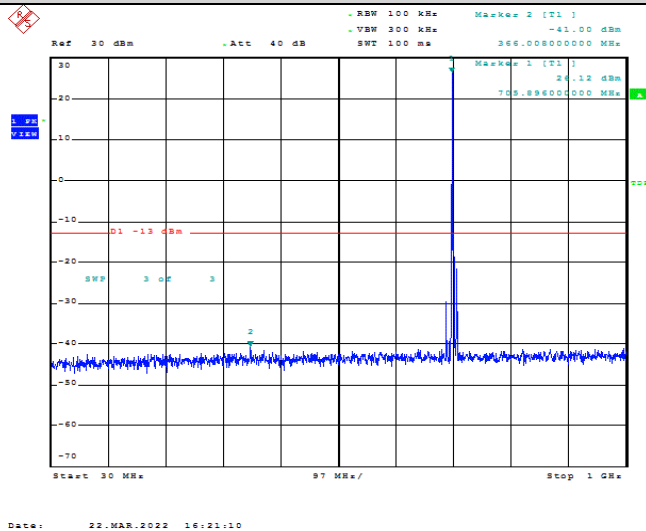
Band12-5MHz-QPSK-23155-1RB#0-Range2:1000~10000MHz



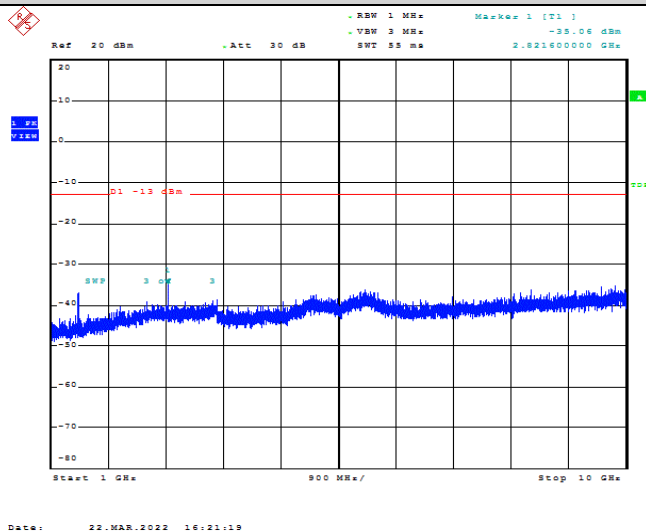
Band12-5MHz-16QAM-23035-1RB#0-Range1:30~1000MHz



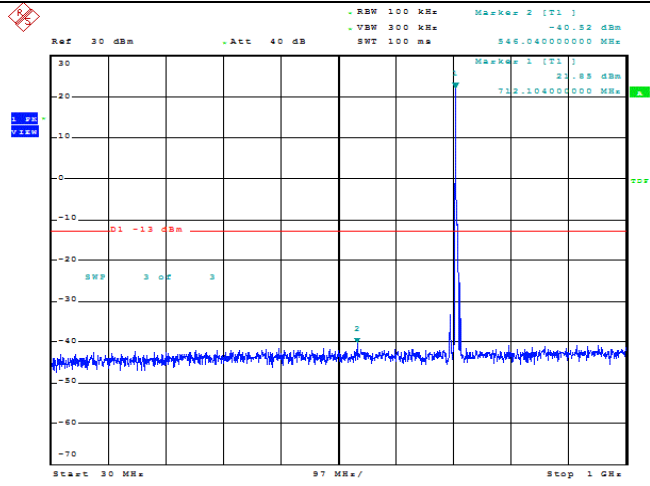
Band12-5MHz-16QAM-23035-1RB#0-Range2:1000~10000MHz



Band12-5MHz-16QAM-23095-1RB#0-Range1:30~1000MHz

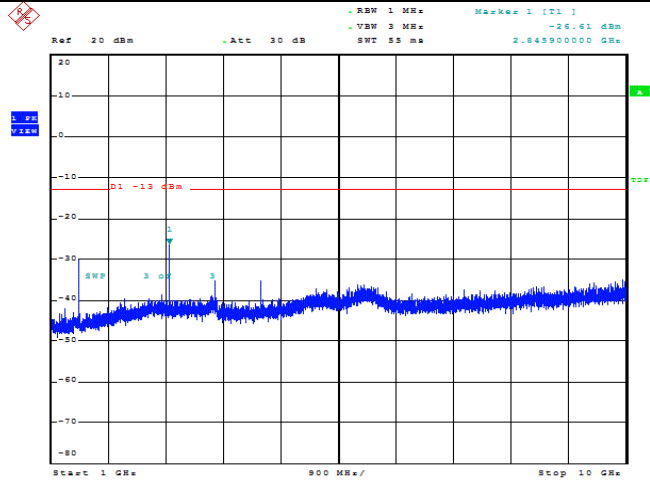


Band12-5MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



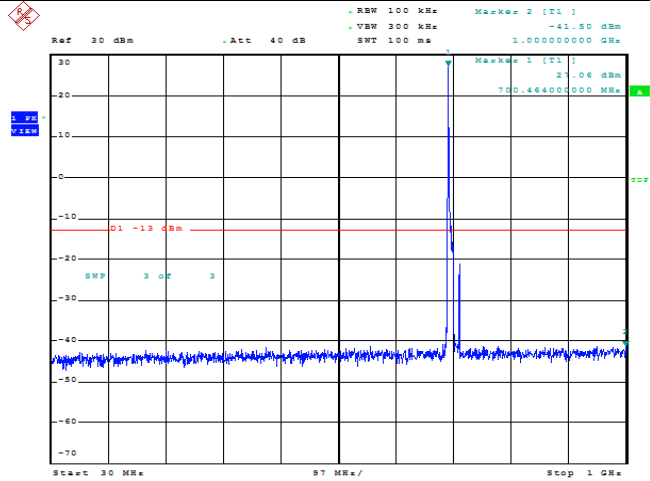
Date: 22.MAR.2022 16:21:57

Band12-5MHz-16QAM-23155-1RB#0-Range1:30~1000MHz



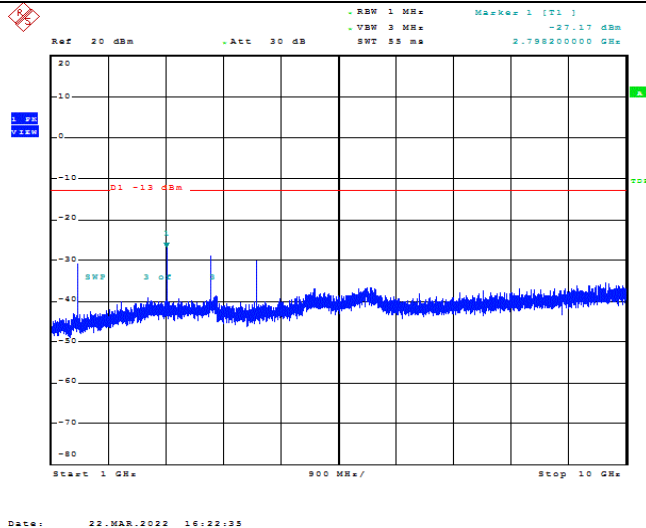
Date: 22.MAR.2022 16:22:07

Band12-5MHz-16QAM-23155-1RB#0-Range2:1000~10000MHz

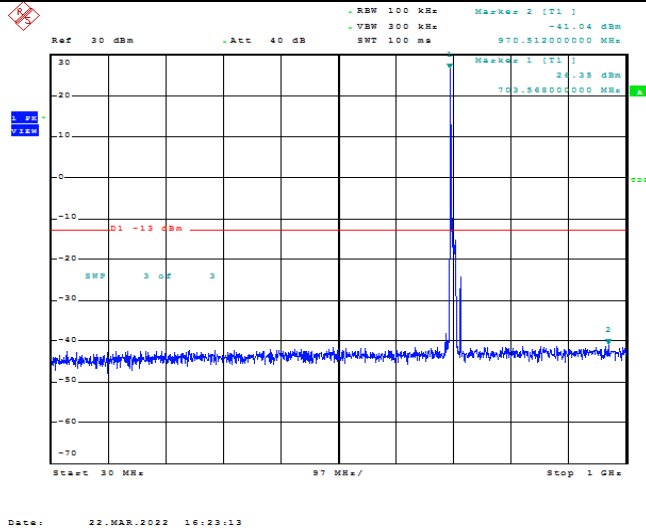


Date: 22.MAR.2022 16:22:25

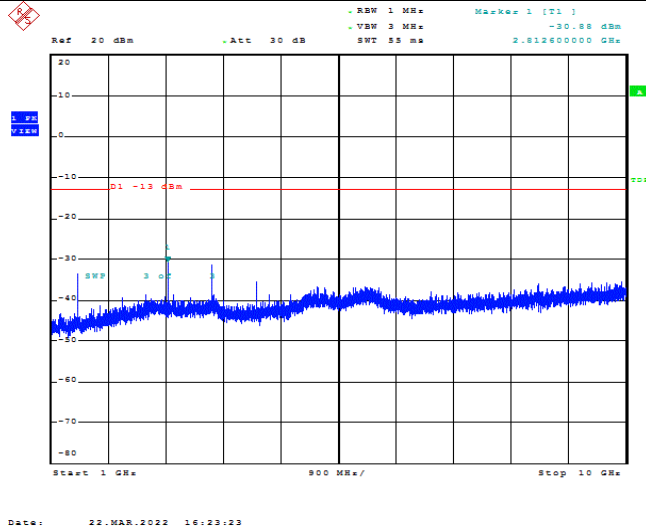
Band12-10MHz-QPSK-23060-1RB#0-Range1:30~1000MHz



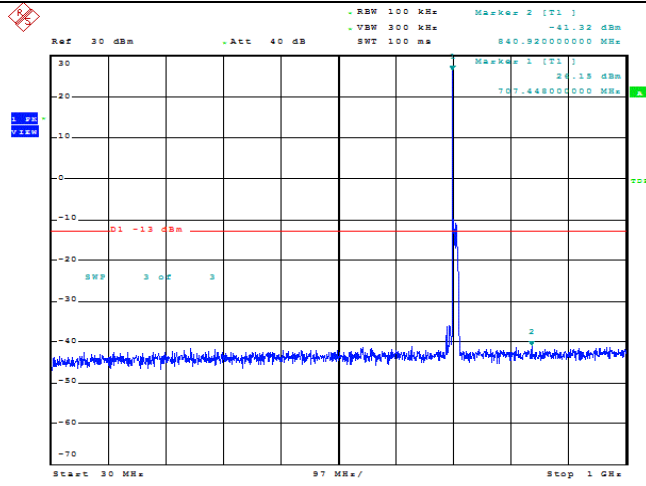
Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~10000MHz



Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz

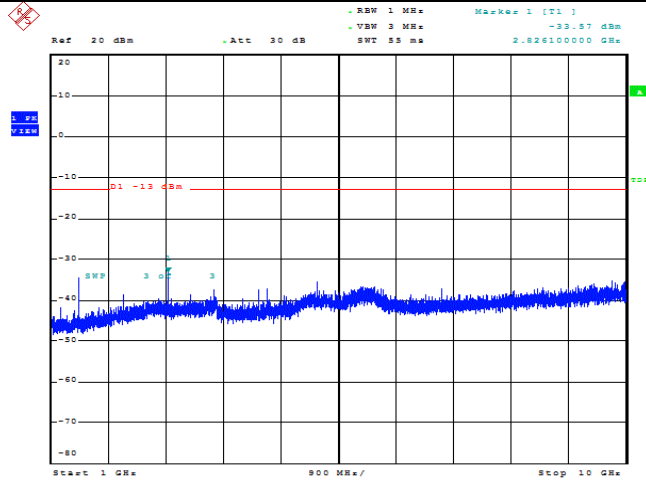


Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



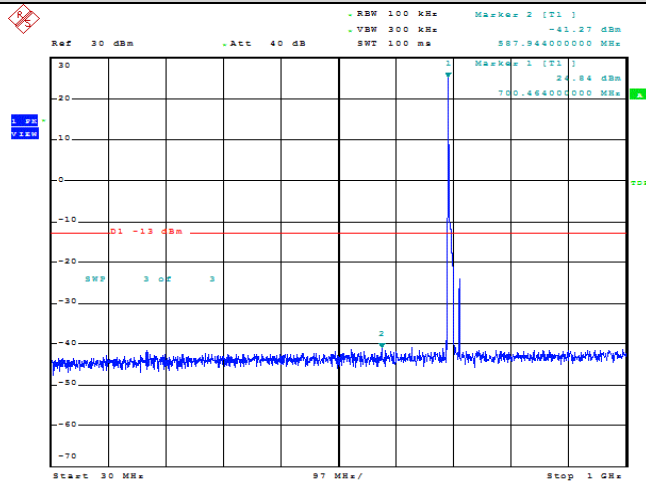
Date: 22.MAR.2022 16:24:01

Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz



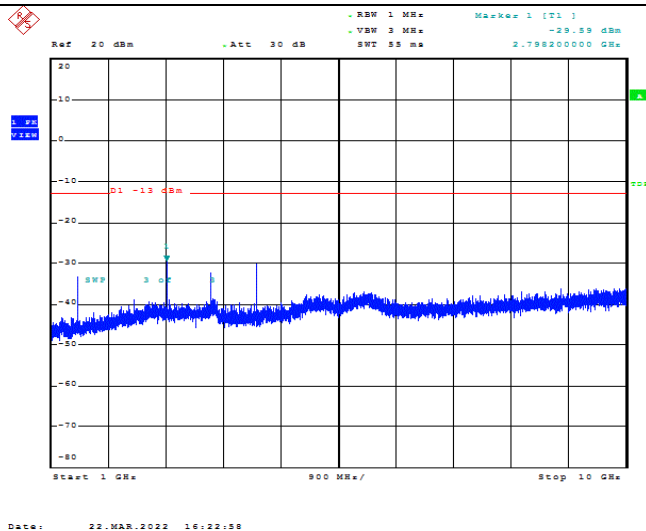
Date: 22.MAR.2022 16:24:11

Band12-10MHz-QPSK-23130-1RB#0-Range2:1000~10000MHz

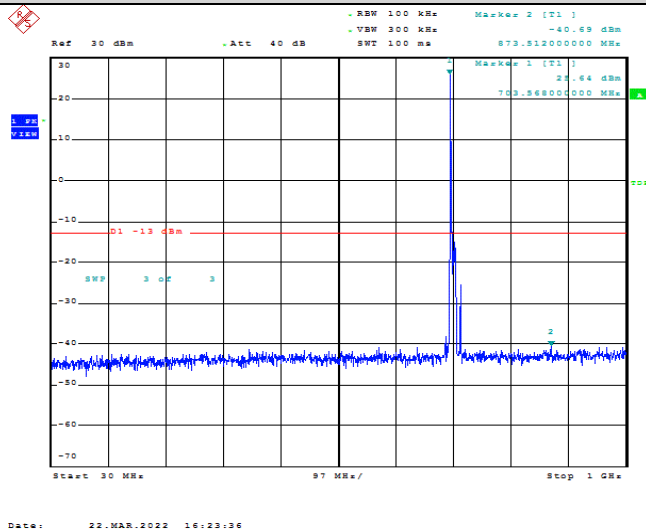


Date: 22.MAR.2022 16:22:48

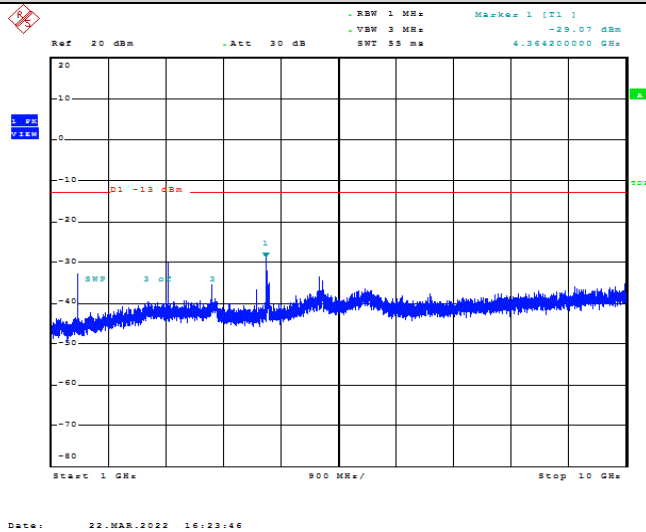
Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz



Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~10000MHz



Band12-10MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz

1.6. Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	VL	NT	-36.81	-0.052608	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VN	NT	-24.60	-0.035158	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VH	NT	-39.24	-0.056081	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VL	NT	17.02	0.024057	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VN	NT	15.59	0.022035	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VH	NT	14.16	0.020014	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VL	NT	17.38	0.024297	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VN	NT	11.13	0.015560	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VH	NT	18.44	0.025779	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VL	NT	-5.89	-0.008418	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VN	NT	-43.77	-0.062555	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VH	NT	-15.59	-0.022281	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VL	NT	-35.45	-0.050106	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VN	NT	-29.77	-0.042078	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VH	NT	-41.40	-0.058516	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VL	NT	24.62	0.034419	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VN	NT	25.28	0.035342	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VH	NT	23.85	0.033343	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VL	NT	6.91	0.009864	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VN	NT	13.92	0.019872	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VH	NT	-0.94	-0.001342	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VL	NT	9.08	0.012834	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VN	NT	11.70	0.016537	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VH	NT	-2.68	-0.003788	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VL	NT	16.91	0.023667	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VN	NT	7.28	0.010189	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VH	NT	22.53	0.031533	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VL	NT	-28.14	-0.040171	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VN	NT	-28.04	-0.040029	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VH	NT	-27.25	-0.038901	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VL	NT	-9.98	-0.014106	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VN	NT	-14.82	-0.020947	±2.5	PASS

Band12	3MHz	16QAM	23095	15RB#0	VH	NT	-7.11	-0.010049	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VL	NT	13.12	0.018362	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VN	NT	9.93	0.013898	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VH	NT	19.81	0.027726	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VL	NT	9.97	0.014212	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VN	NT	14.33	0.020428	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VH	NT	7.05	0.010050	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VL	NT	-2.55	-0.003604	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VN	NT	7.22	0.010205	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VH	NT	-10.51	-0.014855	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VL	NT	22.23	0.031156	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VN	NT	12.67	0.017758	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VH	NT	26.02	0.036468	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VL	NT	-5.21	-0.007427	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VN	NT	-7.05	-0.010050	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VH	NT	-3.19	-0.004547	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VL	NT	-20.30	-0.028693	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VN	NT	-22.70	-0.032085	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VH	NT	-18.14	-0.025640	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VL	NT	43.00	0.060266	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VN	NT	40.64	0.056959	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VH	NT	46.06	0.064555	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	7.50	0.010653	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	10.37	0.014730	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	6.27	0.008906	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	6.01	0.008495	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	9.13	0.012905	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	2.72	0.003845	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	9.04	0.012714	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	10.87	0.015288	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	9.11	0.012813	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	-4.62	-0.006563	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	-6.19	-0.008793	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	-2.43	-0.003452	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	-13.09	-0.018502	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-15.02	-0.021230	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-11.94	-0.016876	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	5.84	0.008214	±2.5	PASS

Band12	10MHz	16QAM	23130	50RB#0	VN	NT	4.01	0.005640	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	8.41	0.011828	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	NV	0	-38.14	-0.054509	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	10	-10.31	-0.014735	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	20	-31.76	-0.045391	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	30	-2.27	-0.003244	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	40	-14.26	-0.020380	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	45	-30.56	-0.043676	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	0	-16.11	-0.022770	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	10	-25.09	-0.035463	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	20	-33.47	-0.047307	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	30	-46.18	-0.065272	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	40	-8.30	-0.011731	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	45	-19.80	-0.027986	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	0	24.69	0.034517	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	10	25.08	0.035062	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	20	25.18	0.035202	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	30	27.37	0.038264	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	40	26.89	0.037593	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	45	25.12	0.035118	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	0	-29.33	-0.041918	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	10	-36.52	-0.052194	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	20	-42.53	-0.060783	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	30	-46.42	-0.066343	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	40	4.16	0.005945	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	45	-4.78	-0.006831	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	0	-12.29	-0.017371	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	10	-20.04	-0.028325	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	20	-24.23	-0.034247	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	30	-27.32	-0.038615	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	40	-33.66	-0.047576	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	45	-36.66	-0.051816	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	0	29.37	0.041060	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	10	26.94	0.037663	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	20	29.18	0.040794	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	30	29.24	0.040878	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	40	29.45	0.041172	±2.5	PASS

Band12	1.4MHz	16QAM	23173	6RB#0	NV	45	31.76	0.044401	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	0	-17.34	-0.024754	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	10	-19.76	-0.028208	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	20	-22.70	-0.032405	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	30	-24.18	-0.034518	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	40	-25.86	-0.036916	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	45	-26.89	-0.038387	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	0	-16.92	-0.023915	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	10	-18.48	-0.026120	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	20	-18.51	-0.026163	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	30	-19.54	-0.027618	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	40	-18.14	-0.025640	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	45	-17.74	-0.025074	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	0	43.63	0.061064	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	10	47.45	0.066410	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	20	-3.29	-0.004605	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	30	3.95	0.005528	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	40	7.40	0.010357	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	45	8.53	0.011938	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	0	-28.18	-0.040228	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	10	-27.28	-0.038944	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	20	-27.55	-0.039329	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	30	-28.44	-0.040600	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	40	-29.48	-0.042084	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	45	-27.14	-0.038744	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	0	10.21	0.014431	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	10	11.04	0.015604	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	20	14.83	0.020961	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	30	16.52	0.023350	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	40	19.17	0.027095	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	45	19.38	0.027392	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	0	23.78	0.033282	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	10	24.09	0.033716	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	20	24.78	0.034682	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	30	24.33	0.034052	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	40	23.00	0.032190	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	45	24.00	0.033590	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	0	-2.98	-0.004248	±2.5	PASS

Band12	5MHz	QPSK	23035	25RB#0	NV	10	-4.73	-0.006743	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	20	-6.07	-0.008653	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	30	-3.88	-0.005531	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	40	-5.81	-0.008282	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	45	-8.81	-0.012559	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	0	-23.16	-0.032735	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	10	-27.59	-0.038996	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	20	-25.96	-0.036693	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	30	-23.53	-0.033258	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	40	-24.19	-0.034191	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	45	-23.42	-0.033102	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	0	37.94	0.053174	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	10	40.03	0.056104	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	20	43.40	0.060827	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	30	42.56	0.059650	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	40	42.73	0.059888	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	45	43.89	0.061514	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	0	2.83	0.004034	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	10	3.22	0.004590	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	20	5.46	0.007783	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	30	4.76	0.006785	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	40	6.67	0.009508	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	45	7.52	0.010720	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	0	-7.12	-0.010064	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	10	-7.37	-0.010417	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	20	-3.88	-0.005484	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	30	1.85	0.002615	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	40	1.26	0.001781	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	45	3.69	0.005216	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	0	47.26	0.066237	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	10	48.34	0.067751	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	20	-2.68	-0.003756	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	30	-2.47	-0.003462	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	40	-2.42	-0.003392	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	45	-1.62	-0.002270	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	-2.98	-0.004233	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	-3.99	-0.005668	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	-4.95	-0.007031	±2.5	PASS

Band12	10MHz	QPSK	23060	50RB#0	NV	30	-4.98	-0.007074	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	-3.85	-0.005469	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	45	-6.94	-0.009858	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-8.93	-0.012622	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-13.65	-0.019293	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-12.53	-0.017710	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-14.08	-0.019901	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-14.78	-0.020890	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	45	-15.65	-0.022120	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	6.05	0.008509	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	6.05	0.008509	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	3.16	0.004444	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	2.75	0.003868	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	2.00	0.002813	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	45	1.26	0.001772	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	5.46	0.007756	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	7.82	0.011108	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	8.23	0.011690	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	30	8.27	0.011747	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	40	7.30	0.010369	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	45	8.38	0.011903	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	0	-5.74	-0.008113	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	-6.68	-0.009442	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	-9.08	-0.012834	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	30	-5.64	-0.007972	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	40	-4.61	-0.006516	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	45	-7.48	-0.010572	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	13.56	0.019072	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	18.30	0.025738	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	17.84	0.025091	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	30	18.67	0.026259	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	40	16.88	0.023741	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	45	16.85	0.023699	±2.5	PASS

-----END-----