



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 4

Applicant: AIR-U Co., Ltd.

**Address: Yamaki 2nd BLDG, 8F, 3-4-2, Nishishinbashi, Minato-ku,
Tokyo, Japan**

Product Name: 4G Wireless Data Terminal

Model: CAW23A301

FCC ID: 2ATHM-CAW23A301

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)	10
1.3.	Appendix C: 26dB Bandwidth and Occupied Bandwidth.....	36
1.4.	Appendix D: Band Edge	50
1.5.	Appendix E: Conducted Spurious Emission	77
1.6.	Appendix F: Frequency Stability	116

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
Band4	1.4MHz	QPSK	19957	1RB#0	24.06	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	24.28	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	24.15	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	24.16	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	24.25	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	24.28	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	23.33	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	24.15	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	24.40	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	24.36	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	24.31	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	24.19	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	24.32	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	23.18	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	24.09	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	24.12	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.91	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	24.05	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	23.94	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.97	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	23.21	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.97	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	23.16	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	23.03	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	24.14	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	24.26	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	24.29	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	22.24	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	23.18	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	23.95	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	23.82	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	24.20	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	24.29	PASS

Band4	1.4MHz	16QAM	20175	3RB#3	24.32	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	22.08	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.98	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	23.13	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	23.04	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	23.95	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	24.01	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	23.86	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	22.26	PASS
Band4	3MHz	QPSK	19965	1RB#0	24.19	PASS
Band4	3MHz	QPSK	19965	1RB#8	24.19	PASS
Band4	3MHz	QPSK	19965	1RB#14	24.11	PASS
Band4	3MHz	QPSK	19965	8RB#0	23.19	PASS
Band4	3MHz	QPSK	19965	8RB#4	23.04	PASS
Band4	3MHz	QPSK	19965	8RB#7	23.05	PASS
Band4	3MHz	QPSK	19965	15RB#0	23.16	PASS
Band4	3MHz	QPSK	20175	1RB#0	24.34	PASS
Band4	3MHz	QPSK	20175	1RB#8	24.43	PASS
Band4	3MHz	QPSK	20175	1RB#14	24.29	PASS
Band4	3MHz	QPSK	20175	8RB#0	23.88	PASS
Band4	3MHz	QPSK	20175	8RB#4	23.60	PASS
Band4	3MHz	QPSK	20175	8RB#7	23.69	PASS
Band4	3MHz	QPSK	20175	15RB#0	23.31	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.95	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.90	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.89	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.65	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.67	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.65	PASS
Band4	3MHz	QPSK	20385	15RB#0	23.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	23.05	PASS
Band4	3MHz	16QAM	19965	1RB#8	23.02	PASS
Band4	3MHz	16QAM	19965	1RB#14	23.05	PASS
Band4	3MHz	16QAM	19965	8RB#0	23.19	PASS
Band4	3MHz	16QAM	19965	8RB#4	23.05	PASS
Band4	3MHz	16QAM	19965	8RB#7	23.05	PASS
Band4	3MHz	16QAM	19965	15RB#0	22.09	PASS
Band4	3MHz	16QAM	20175	1RB#0	23.61	PASS

Band4	3MHz	16QAM	20175	1RB#8	23.82	PASS
Band4	3MHz	16QAM	20175	1RB#14	23.94	PASS
Band4	3MHz	16QAM	20175	8RB#0	23.62	PASS
Band4	3MHz	16QAM	20175	8RB#4	23.61	PASS
Band4	3MHz	16QAM	20175	8RB#7	23.69	PASS
Band4	3MHz	16QAM	20175	15RB#0	22.11	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.89	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.73	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.80	PASS
Band4	3MHz	16QAM	20385	8RB#0	22.58	PASS
Band4	3MHz	16QAM	20385	8RB#4	22.66	PASS
Band4	3MHz	16QAM	20385	8RB#7	22.85	PASS
Band4	3MHz	16QAM	20385	15RB#0	22.04	PASS
Band4	5MHz	QPSK	19975	1RB#0	24.12	PASS
Band4	5MHz	QPSK	19975	1RB#12	24.25	PASS
Band4	5MHz	QPSK	19975	1RB#24	24.12	PASS
Band4	5MHz	QPSK	19975	12RB#0	23.15	PASS
Band4	5MHz	QPSK	19975	12RB#6	23.14	PASS
Band4	5MHz	QPSK	19975	12RB#13	23.21	PASS
Band4	5MHz	QPSK	19975	25RB#0	23.15	PASS
Band4	5MHz	QPSK	20175	1RB#0	24.30	PASS
Band4	5MHz	QPSK	20175	1RB#12	24.27	PASS
Band4	5MHz	QPSK	20175	1RB#24	24.20	PASS
Band4	5MHz	QPSK	20175	12RB#0	23.26	PASS
Band4	5MHz	QPSK	20175	12RB#6	23.24	PASS
Band4	5MHz	QPSK	20175	12RB#13	23.28	PASS
Band4	5MHz	QPSK	20175	25RB#0	23.22	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.97	PASS
Band4	5MHz	QPSK	20375	1RB#12	24.08	PASS
Band4	5MHz	QPSK	20375	1RB#24	24.09	PASS
Band4	5MHz	QPSK	20375	12RB#0	23.10	PASS
Band4	5MHz	QPSK	20375	12RB#6	23.12	PASS
Band4	5MHz	QPSK	20375	12RB#13	23.07	PASS
Band4	5MHz	QPSK	20375	25RB#0	23.14	PASS
Band4	5MHz	16QAM	19975	1RB#0	23.10	PASS
Band4	5MHz	16QAM	19975	1RB#12	23.17	PASS
Band4	5MHz	16QAM	19975	1RB#24	23.07	PASS
Band4	5MHz	16QAM	19975	12RB#0	23.14	PASS

Band4	5MHz	16QAM	19975	12RB#6	23.13	PASS
Band4	5MHz	16QAM	19975	12RB#13	23.21	PASS
Band4	5MHz	16QAM	19975	25RB#0	22.18	PASS
Band4	5MHz	16QAM	20175	1RB#0	23.03	PASS
Band4	5MHz	16QAM	20175	1RB#12	23.39	PASS
Band4	5MHz	16QAM	20175	1RB#24	23.23	PASS
Band4	5MHz	16QAM	20175	12RB#0	23.25	PASS
Band4	5MHz	16QAM	20175	12RB#6	23.24	PASS
Band4	5MHz	16QAM	20175	12RB#13	23.28	PASS
Band4	5MHz	16QAM	20175	25RB#0	22.26	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.92	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.97	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.21	PASS
Band4	5MHz	16QAM	20375	12RB#0	23.12	PASS
Band4	5MHz	16QAM	20375	12RB#6	23.13	PASS
Band4	5MHz	16QAM	20375	12RB#13	23.18	PASS
Band4	5MHz	16QAM	20375	25RB#0	22.06	PASS
Band4	10MHz	QPSK	20000	1RB#0	24.05	PASS
Band4	10MHz	QPSK	20000	1RB#24	24.54	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.99	PASS
Band4	10MHz	QPSK	20000	25RB#0	23.14	PASS
Band4	10MHz	QPSK	20000	25RB#12	23.14	PASS
Band4	10MHz	QPSK	20000	25RB#25	23.27	PASS
Band4	10MHz	QPSK	20000	50RB#0	23.12	PASS
Band4	10MHz	QPSK	20175	1RB#0	24.32	PASS
Band4	10MHz	QPSK	20175	1RB#24	25.29	PASS
Band4	10MHz	QPSK	20175	1RB#49	24.14	PASS
Band4	10MHz	QPSK	20175	25RB#0	23.21	PASS
Band4	10MHz	QPSK	20175	25RB#12	23.19	PASS
Band4	10MHz	QPSK	20175	25RB#25	23.17	PASS
Band4	10MHz	QPSK	20175	50RB#0	23.25	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.84	PASS
Band4	10MHz	QPSK	20350	1RB#24	24.19	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.93	PASS
Band4	10MHz	QPSK	20350	25RB#0	23.24	PASS
Band4	10MHz	QPSK	20350	25RB#12	23.10	PASS
Band4	10MHz	QPSK	20350	25RB#25	23.01	PASS
Band4	10MHz	QPSK	20350	50RB#0	23.05	PASS

Band4	10MHz	16QAM	20000	1RB#0	22.92	PASS
Band4	10MHz	16QAM	20000	1RB#24	23.50	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.83	PASS
Band4	10MHz	16QAM	20000	25RB#0	23.14	PASS
Band4	10MHz	16QAM	20000	25RB#12	23.13	PASS
Band4	10MHz	16QAM	20000	25RB#25	23.26	PASS
Band4	10MHz	16QAM	20000	50RB#0	22.17	PASS
Band4	10MHz	16QAM	20175	1RB#0	23.13	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.83	PASS
Band4	10MHz	16QAM	20175	1RB#49	23.36	PASS
Band4	10MHz	16QAM	20175	25RB#0	23.19	PASS
Band4	10MHz	16QAM	20175	25RB#12	23.19	PASS
Band4	10MHz	16QAM	20175	25RB#25	23.18	PASS
Band4	10MHz	16QAM	20175	50RB#0	22.22	PASS
Band4	10MHz	16QAM	20350	1RB#0	23.02	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.33	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.96	PASS
Band4	10MHz	16QAM	20350	25RB#0	23.09	PASS
Band4	10MHz	16QAM	20350	25RB#12	23.10	PASS
Band4	10MHz	16QAM	20350	25RB#25	22.99	PASS
Band4	10MHz	16QAM	20350	50RB#0	22.05	PASS
Band4	15MHz	QPSK	20025	1RB#0	24.11	PASS
Band4	15MHz	QPSK	20025	1RB#38	24.13	PASS
Band4	15MHz	QPSK	20025	1RB#74	24.14	PASS
Band4	15MHz	QPSK	20025	38RB#0	23.33	PASS
Band4	15MHz	QPSK	20025	38RB#18	23.24	PASS
Band4	15MHz	QPSK	20025	38RB#37	23.09	PASS
Band4	15MHz	QPSK	20025	75RB#0	23.23	PASS
Band4	15MHz	QPSK	20175	1RB#0	24.25	PASS
Band4	15MHz	QPSK	20175	1RB#38	24.40	PASS
Band4	15MHz	QPSK	20175	1RB#74	24.00	PASS
Band4	15MHz	QPSK	20175	38RB#0	23.09	PASS
Band4	15MHz	QPSK	20175	38RB#18	24.04	PASS
Band4	15MHz	QPSK	20175	38RB#37	23.04	PASS
Band4	15MHz	QPSK	20175	75RB#0	23.21	PASS
Band4	15MHz	QPSK	20325	1RB#0	24.18	PASS
Band4	15MHz	QPSK	20325	1RB#38	24.08	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.87	PASS

Band4	15MHz	QPSK	20325	38RB#0	23.90	PASS
Band4	15MHz	QPSK	20325	38RB#18	23.03	PASS
Band4	15MHz	QPSK	20325	38RB#37	22.94	PASS
Band4	15MHz	QPSK	20325	75RB#0	23.14	PASS
Band4	15MHz	16QAM	20025	1RB#0	23.38	PASS
Band4	15MHz	16QAM	20025	1RB#38	23.28	PASS
Band4	15MHz	16QAM	20025	1RB#74	23.39	PASS
Band4	15MHz	16QAM	20025	38RB#0	23.36	PASS
Band4	15MHz	16QAM	20025	38RB#18	23.23	PASS
Band4	15MHz	16QAM	20025	38RB#37	23.10	PASS
Band4	15MHz	16QAM	20025	75RB#0	22.29	PASS
Band4	15MHz	16QAM	20175	1RB#0	23.06	PASS
Band4	15MHz	16QAM	20175	1RB#38	23.18	PASS
Band4	15MHz	16QAM	20175	1RB#74	23.00	PASS
Band4	15MHz	16QAM	20175	38RB#0	23.05	PASS
Band4	15MHz	16QAM	20175	38RB#18	23.91	PASS
Band4	15MHz	16QAM	20175	38RB#37	23.09	PASS
Band4	15MHz	16QAM	20175	75RB#0	22.26	PASS
Band4	15MHz	16QAM	20325	1RB#0	23.15	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.02	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.87	PASS
Band4	15MHz	16QAM	20325	38RB#0	23.17	PASS
Band4	15MHz	16QAM	20325	38RB#18	23.04	PASS
Band4	15MHz	16QAM	20325	38RB#37	22.90	PASS
Band4	15MHz	16QAM	20325	75RB#0	22.05	PASS
Band4	20MHz	QPSK	20050	1RB#0	24.06	PASS
Band4	20MHz	QPSK	20050	1RB#49	25.65	PASS
Band4	20MHz	QPSK	20050	1RB#99	24.05	PASS
Band4	20MHz	QPSK	20050	50RB#0	24.11	PASS
Band4	20MHz	QPSK	20050	50RB#25	23.21	PASS
Band4	20MHz	QPSK	20050	50RB#50	23.32	PASS
Band4	20MHz	QPSK	20050	100RB#0	23.31	PASS
Band4	20MHz	QPSK	20175	1RB#0	24.17	PASS
Band4	20MHz	QPSK	20175	1RB#49	25.15	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.94	PASS
Band4	20MHz	QPSK	20175	50RB#0	23.22	PASS
Band4	20MHz	QPSK	20175	50RB#25	23.17	PASS
Band4	20MHz	QPSK	20175	50RB#50	23.22	PASS

Band4	20MHz	QPSK	20175	100RB#0	23.24	PASS
Band4	20MHz	QPSK	20300	1RB#0	24.26	PASS
Band4	20MHz	QPSK	20300	1RB#49	25.57	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.71	PASS
Band4	20MHz	QPSK	20300	50RB#0	23.97	PASS
Band4	20MHz	QPSK	20300	50RB#25	23.23	PASS
Band4	20MHz	QPSK	20300	50RB#50	23.03	PASS
Band4	20MHz	QPSK	20300	100RB#0	23.07	PASS
Band4	20MHz	16QAM	20050	1RB#0	23.68	PASS
Band4	20MHz	16QAM	20050	1RB#49	23.69	PASS
Band4	20MHz	16QAM	20050	1RB#99	23.21	PASS
Band4	20MHz	16QAM	20050	50RB#0	23.21	PASS
Band4	20MHz	16QAM	20050	50RB#25	23.21	PASS
Band4	20MHz	16QAM	20050	50RB#50	23.32	PASS
Band4	20MHz	16QAM	20050	100RB#0	22.36	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.92	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.11	PASS
Band4	20MHz	16QAM	20175	1RB#99	23.04	PASS
Band4	20MHz	16QAM	20175	50RB#0	23.17	PASS
Band4	20MHz	16QAM	20175	50RB#25	23.26	PASS
Band4	20MHz	16QAM	20175	50RB#50	23.25	PASS
Band4	20MHz	16QAM	20175	100RB#0	22.22	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.24	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.42	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.57	PASS
Band4	20MHz	16QAM	20300	50RB#0	23.22	PASS
Band4	20MHz	16QAM	20300	50RB#25	23.23	PASS
Band4	20MHz	16QAM	20300	50RB#50	23.03	PASS
Band4	20MHz	16QAM	20300	100RB#0	22.18	PASS

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

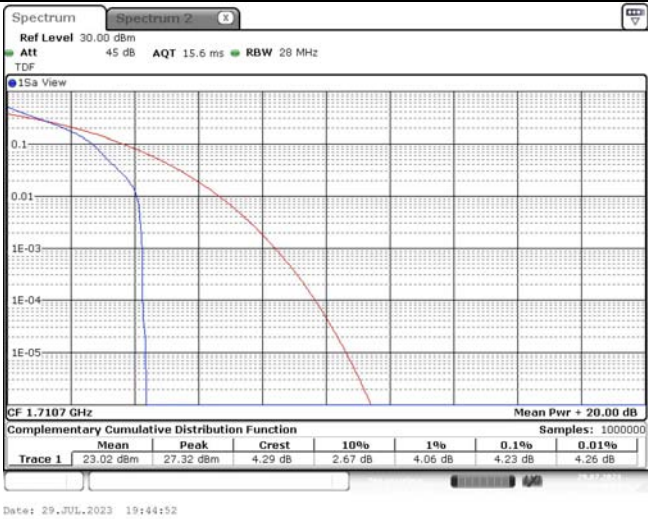
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	4.23	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	4.87	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.61	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.04	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	4.49	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.07	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	4.87	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.77	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.71	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.91	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.39	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.09	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	4.20	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.93	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	4.67	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.13	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	4.46	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.16	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.01	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.83	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	5.59	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.97	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	5.45	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.03	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	4.29	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.93	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	4.67	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.16	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	4.35	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.10	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	4.99	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.80	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.62	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.97	13	PASS

Band4	5MHz	16QAM	20375	1RB#0	5.22	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.91	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	4.23	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.04	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	4.70	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.10	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	4.12	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	4.99	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	4.96	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	5.91	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	5.65	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.97	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	5.28	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.00	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	4.23	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.25	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	4.72	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.28	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	4.35	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.13	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.10	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.09	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	5.74	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.03	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	5.36	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	5.94	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	4.17	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.07	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	4.70	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.07	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	4.46	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.96	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	5.25	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.03	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	5.62	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.97	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	5.54	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.91	13	PASS

Test Graphs

Band4-1.4MHz-QPSK-19957-1RB#0



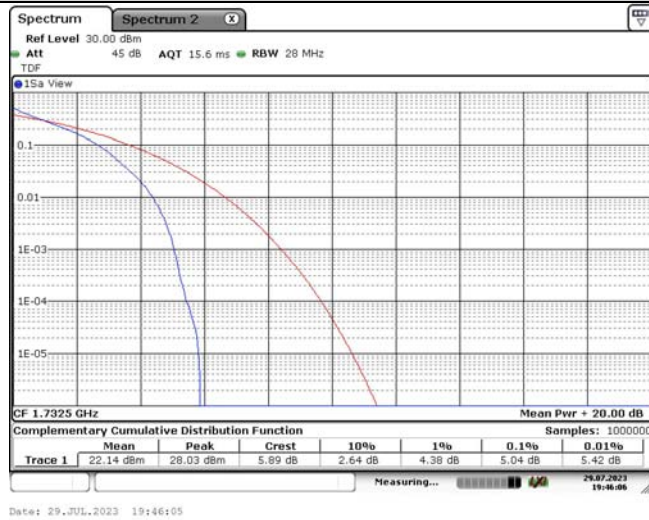
Band4-1.4MHz-QPSK-19957-6RB#0



Band4-1.4MHz-QPSK-20175-1RB#0



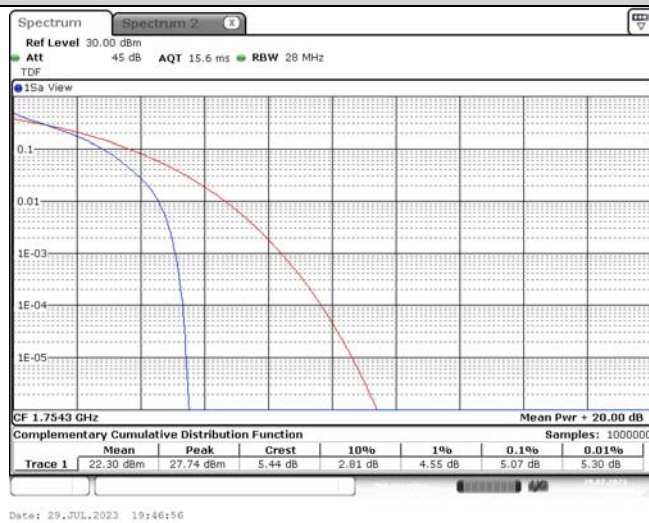
Band4-1.4MHz-QPSK-20175-6RB#0



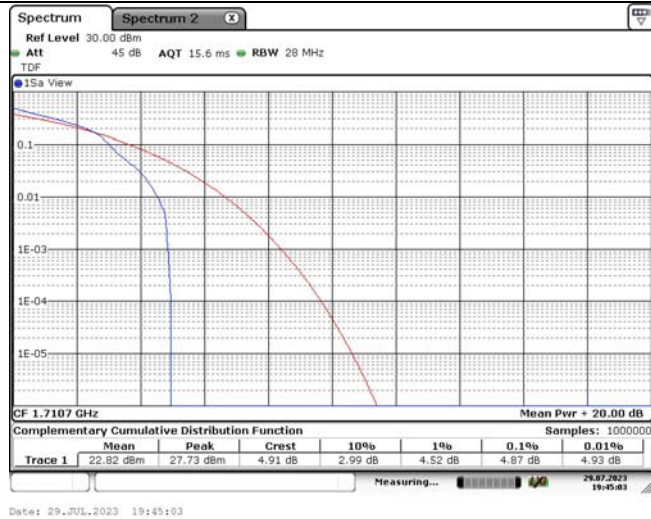
Band4-1.4MHz-QPSK-20393-1RB#0



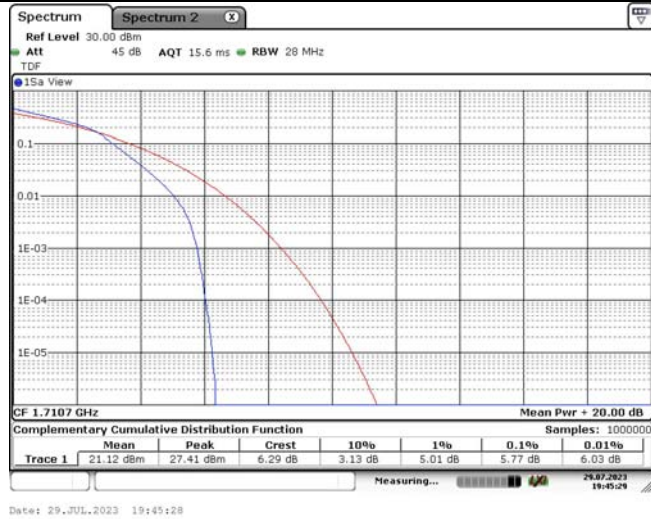
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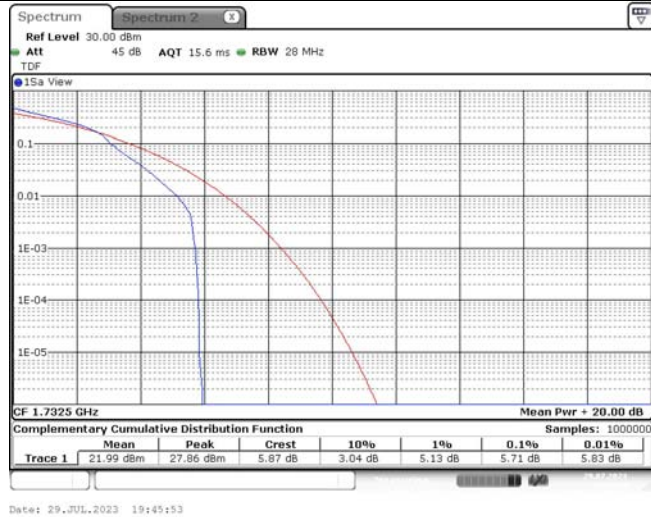
Band4-1.4MHz-16QAM-19957-1RB#0



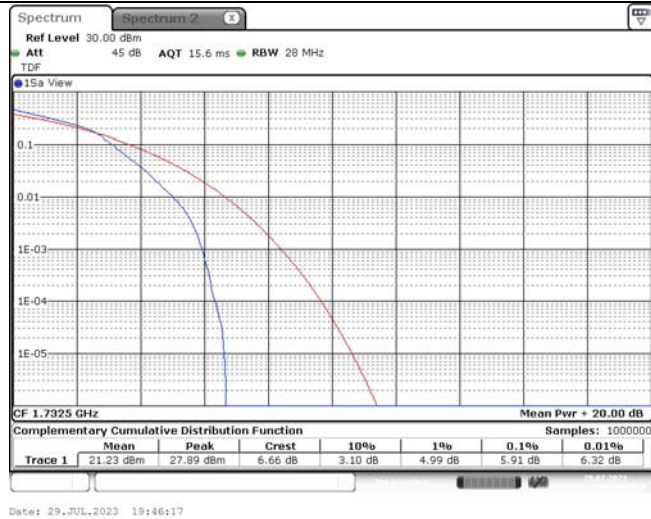
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Band4-1.4MHz-16QAM-20175-1RB#0



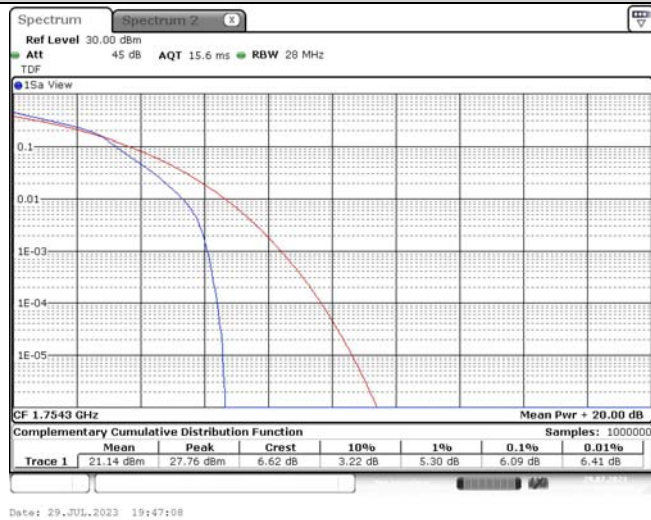
Band4-1.4MHz-16QAM-20175-6RB#0



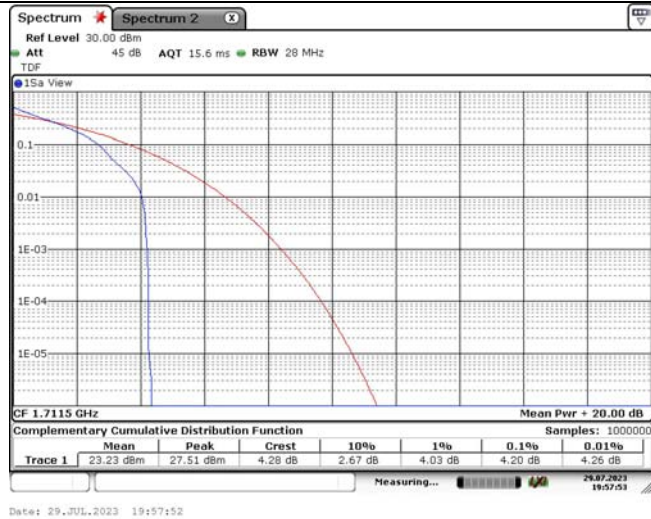
Band4-1.4MHz-16QAM-20393-1RB#0



Band4-1.4MHz-16QAM-20393-6RB#0



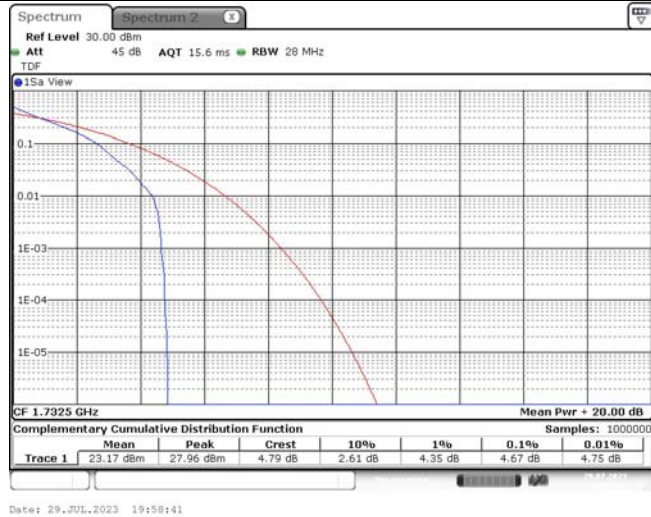
Band4-3MHz-QPSK-19965-1RB#0



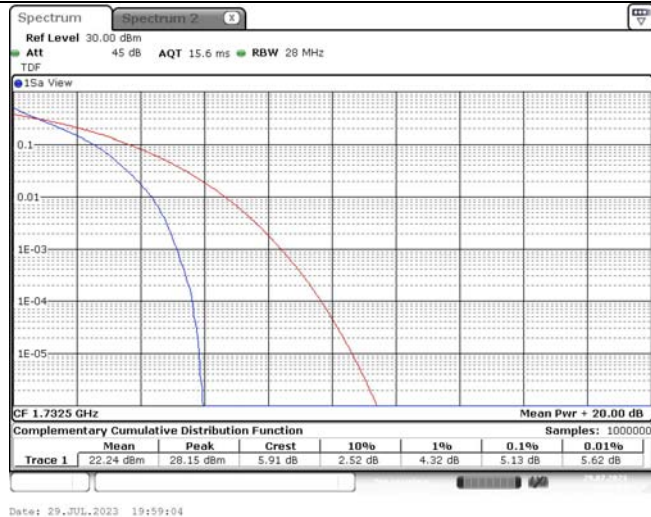
Band4-3MHz-QPSK-19965-15RB#0



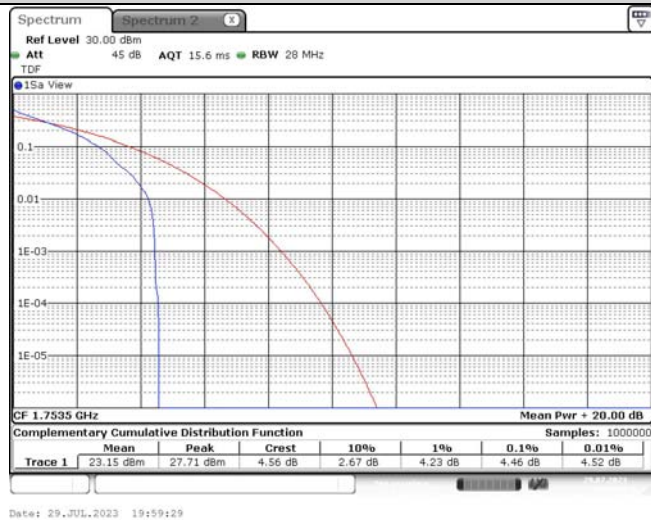
Band4-3MHz-QPSK-20175-1RB#0



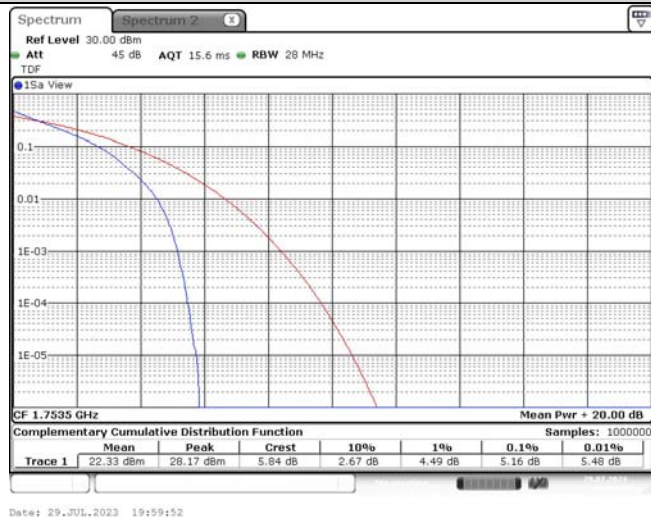
Band4-3MHz-QPSK-20175-15RB#0



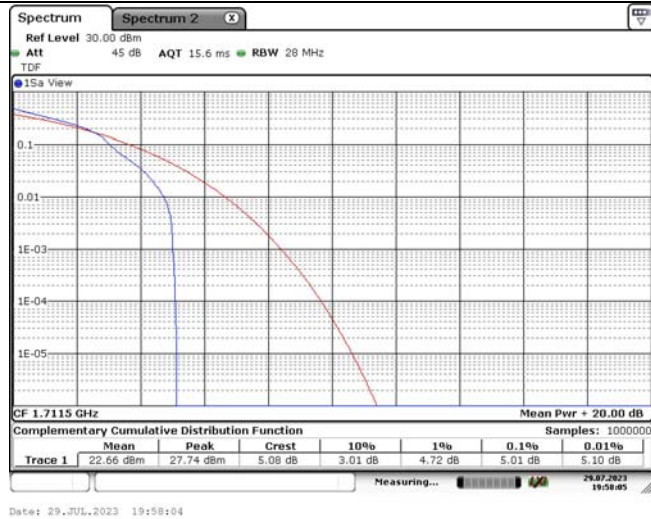
Band4-3MHz-QPSK-20385-1RB#0



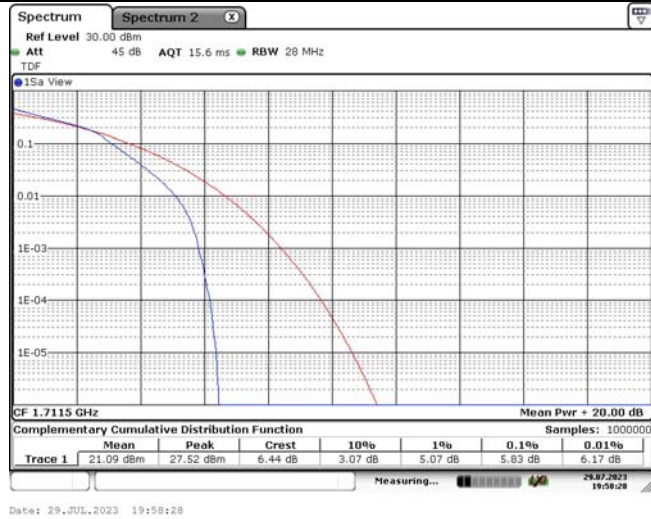
Band4-3MHz-QPSK-20385-15RB#0



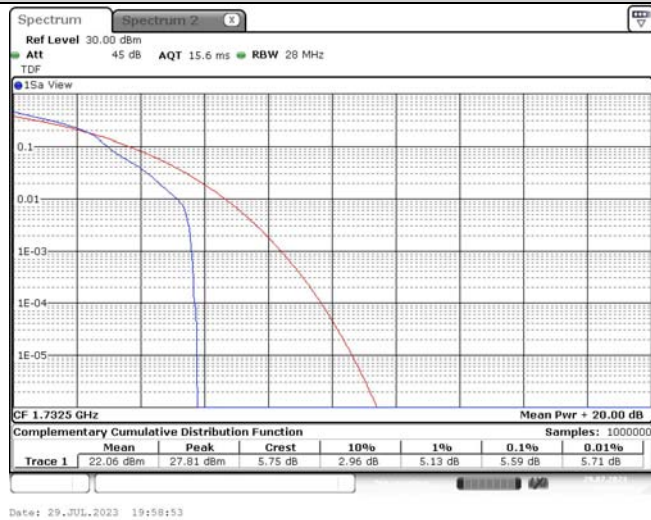
Band4-3MHz-16QAM-19965-1RB#0



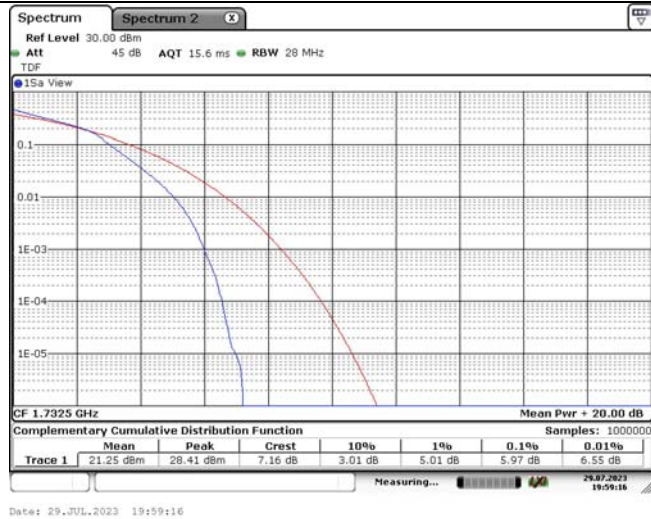
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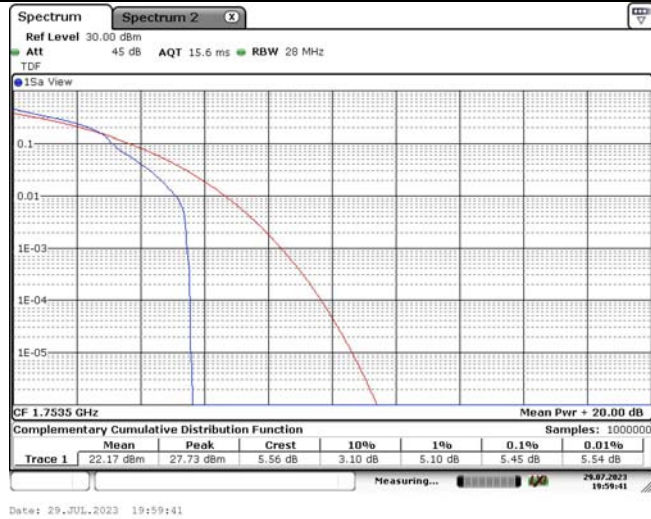
Band4-3MHz-16QAM-20175-1RB#0



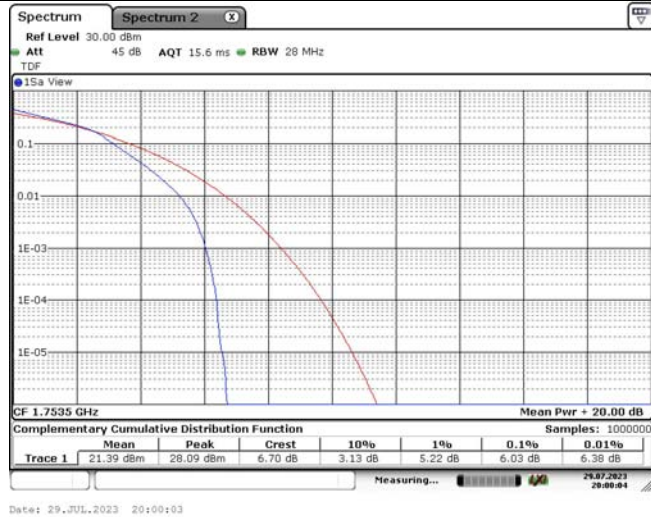
Band4-3MHz-16QAM-20175-15RB#0



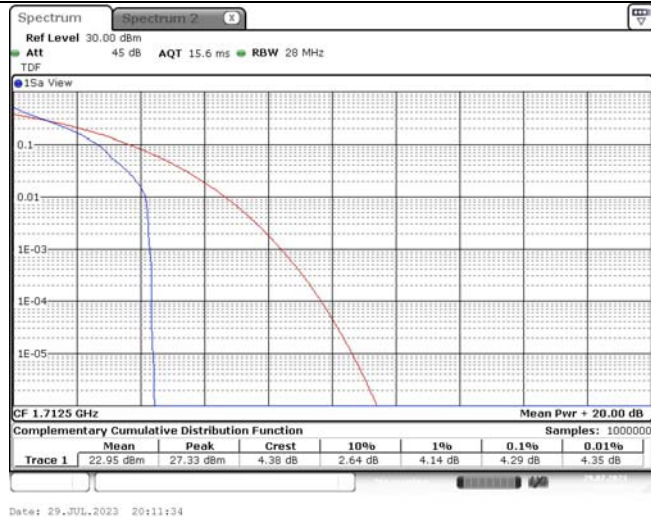
Band4-3MHz-16QAM-20385-1RB#0



Band4-3MHz-16QAM-20385-15RB#0



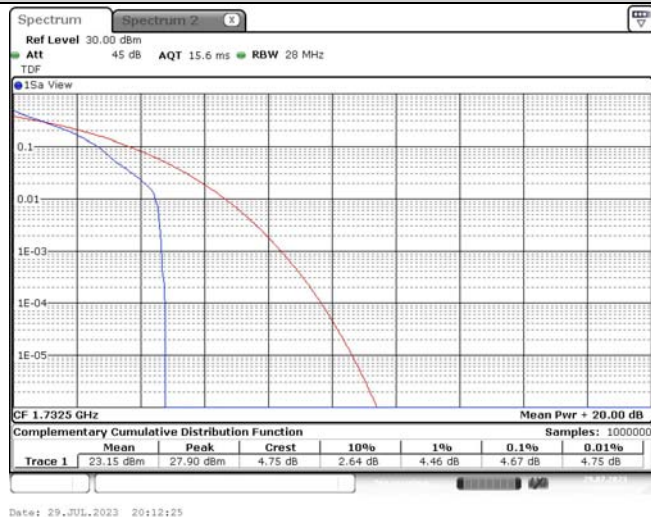
Band4-5MHz-QPSK-19975-1RB#0



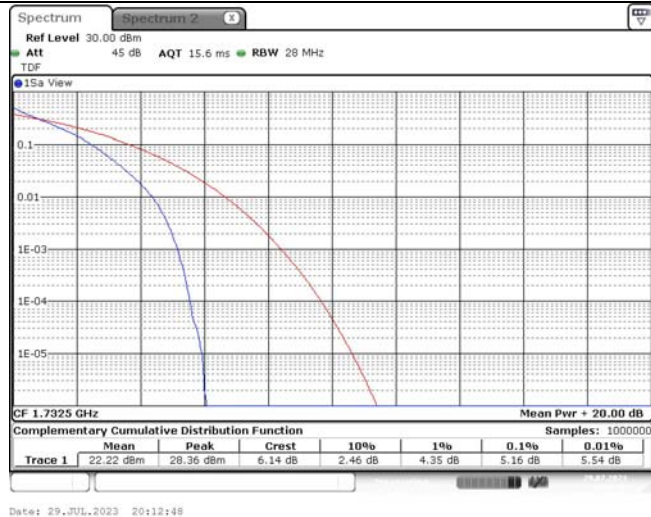
Band4-5MHz-QPSK-19975-25RB#0



Band4-5MHz-QPSK-20175-1RB#0



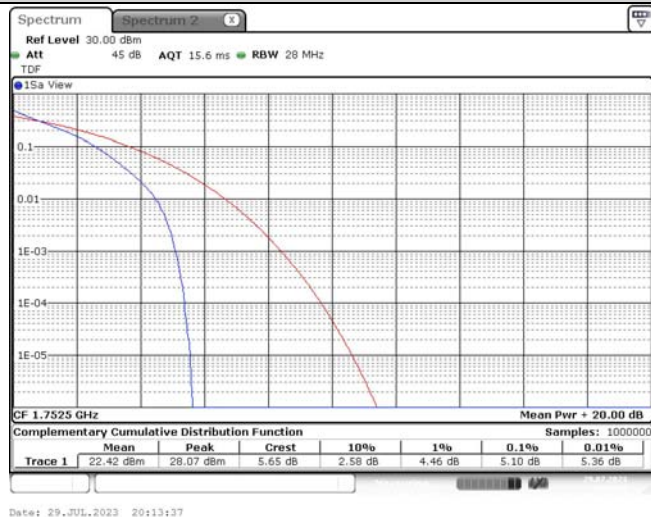
Band4-5MHz-QPSK-20175-25RB#0



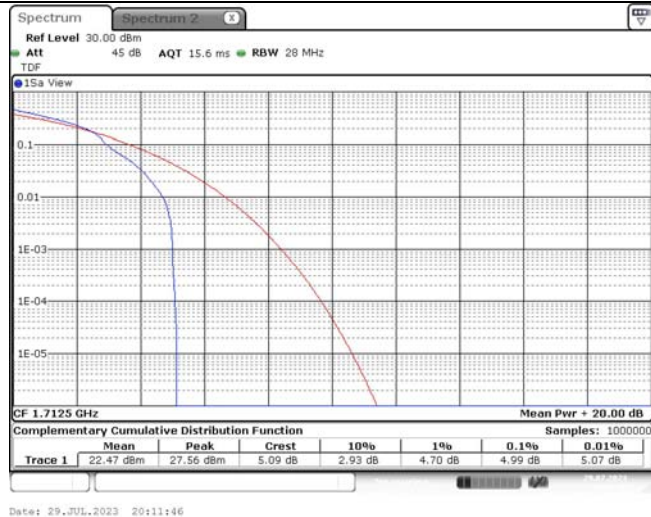
Band4-5MHz-QPSK-20375-1RB#0



Band4-5MHz-QPSK-20375-25RB#0



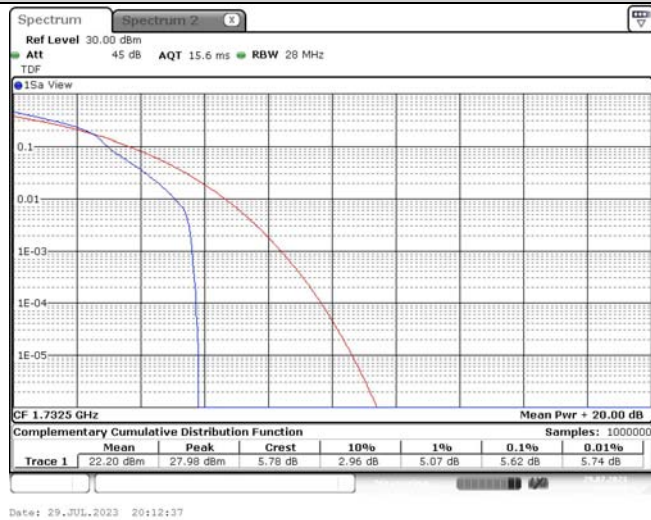
Band4-5MHz-16QAM-19975-1RB#0



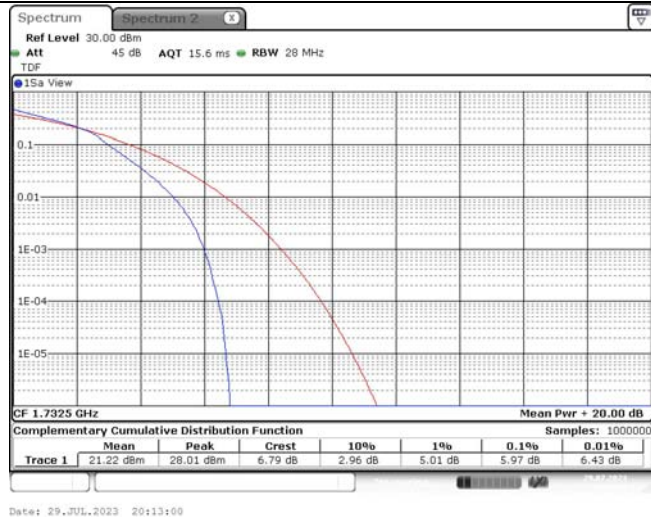
Band4-5MHz-16QAM-19975-25RB#0



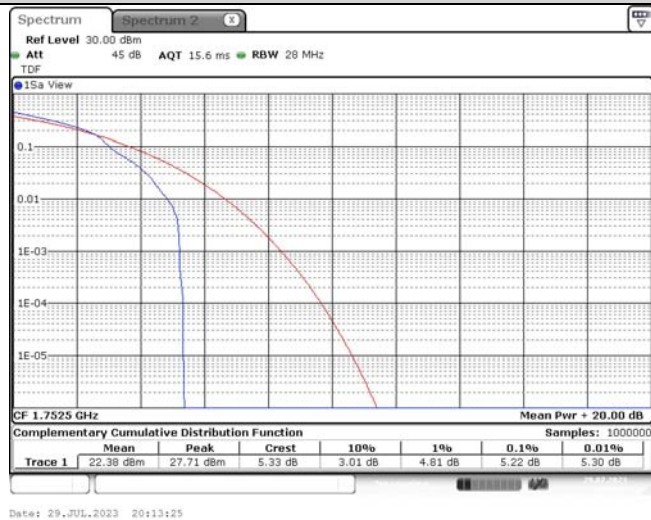
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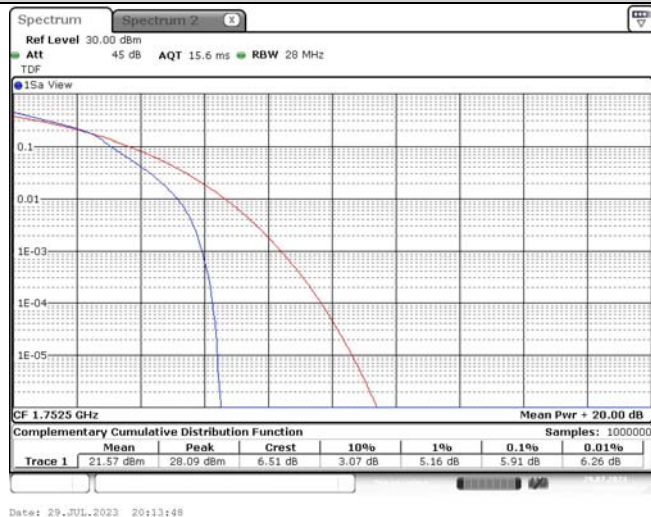
Band4-5MHz-16QAM-20175-25RB#0



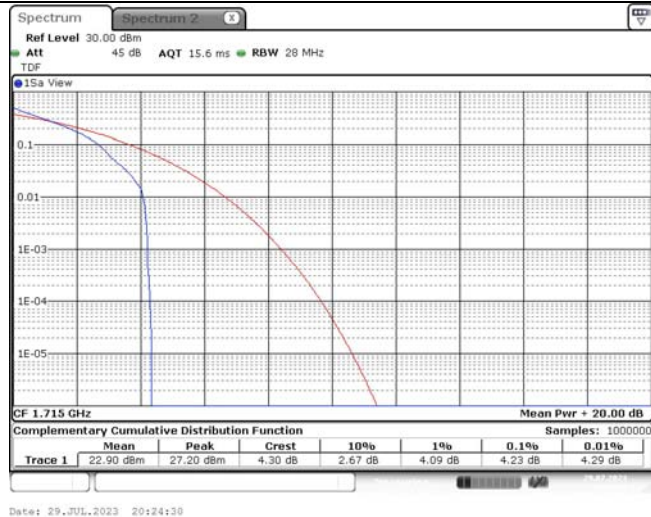
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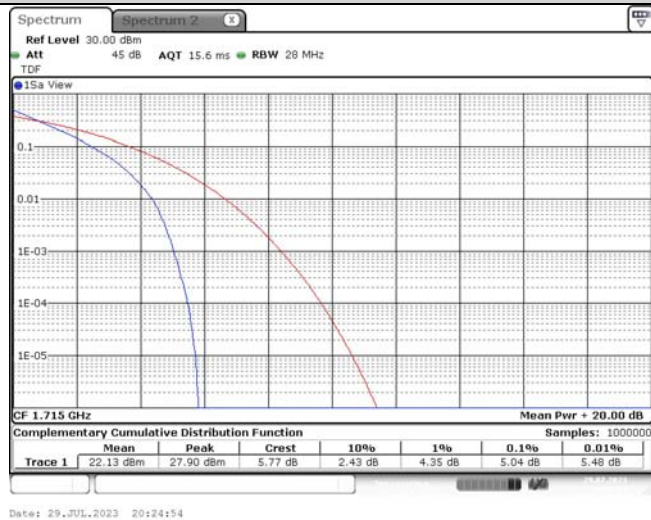
Band4-5MHz-16QAM-20375-25RB#0



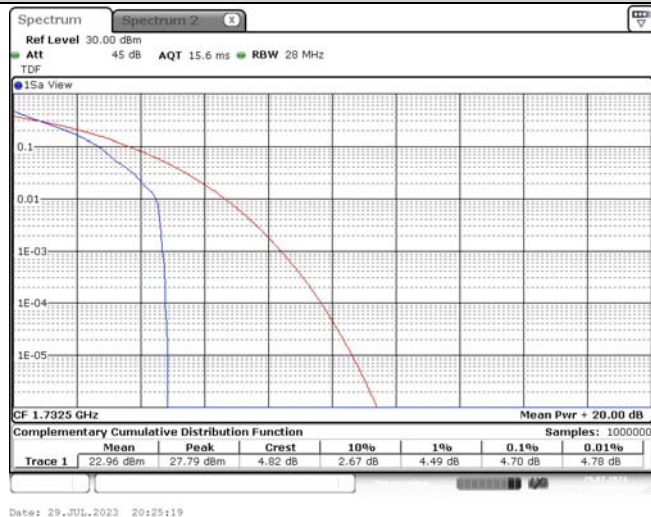
Band4-10MHz-QPSK-20000-1RB#0



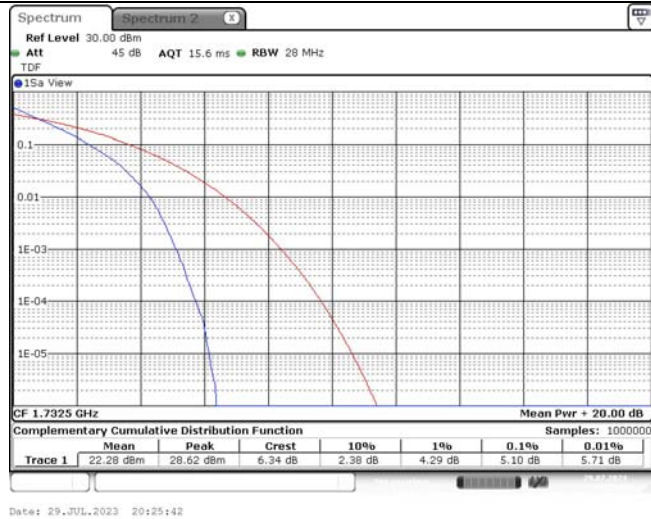
Band4-10MHz-QPSK-20000-50RB#0



Band4-10MHz-QPSK-20175-1RB#0



Band4-10MHz-QPSK-20175-50RB#0



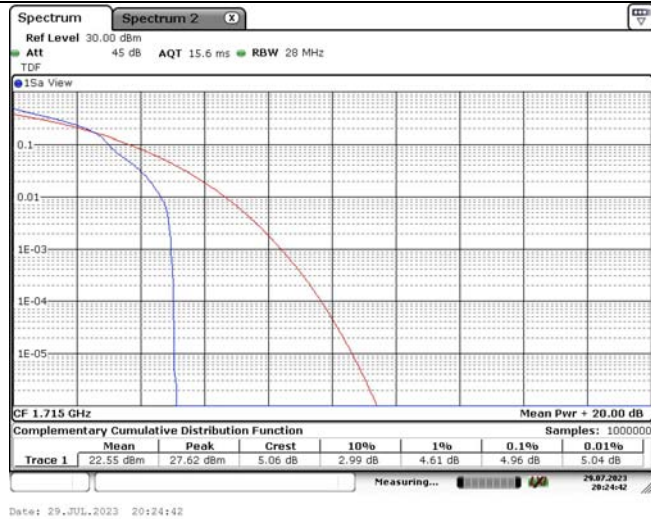
Band4-10MHz-QPSK-20350-1RB#0



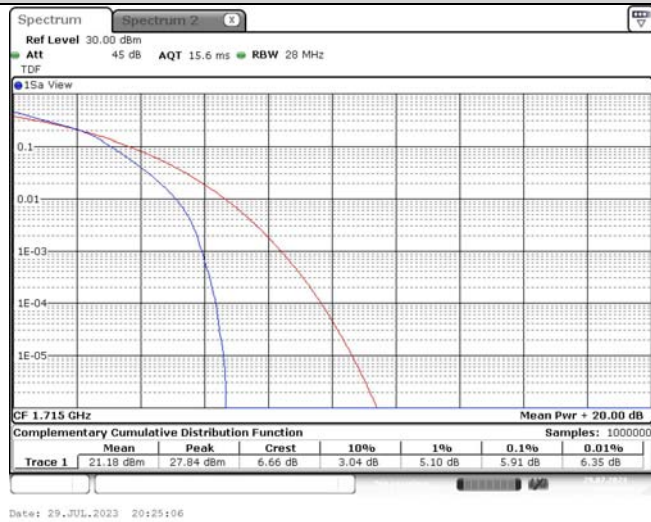
Band4-10MHz-QPSK-20350-50RB#0



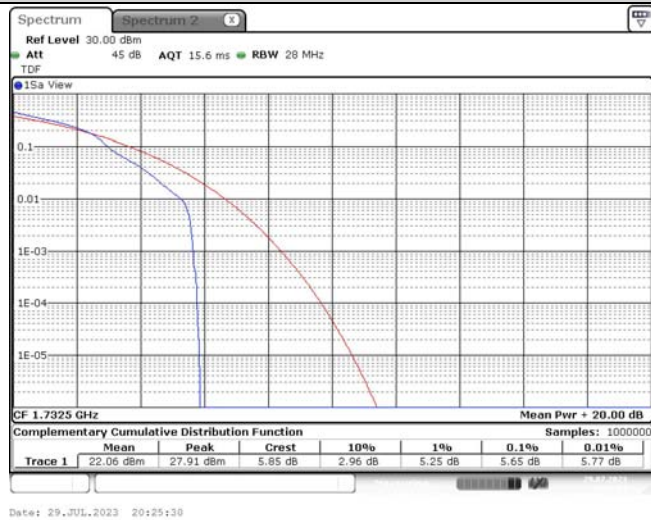
Band4-10MHz-16QAM-20000-1RB#0



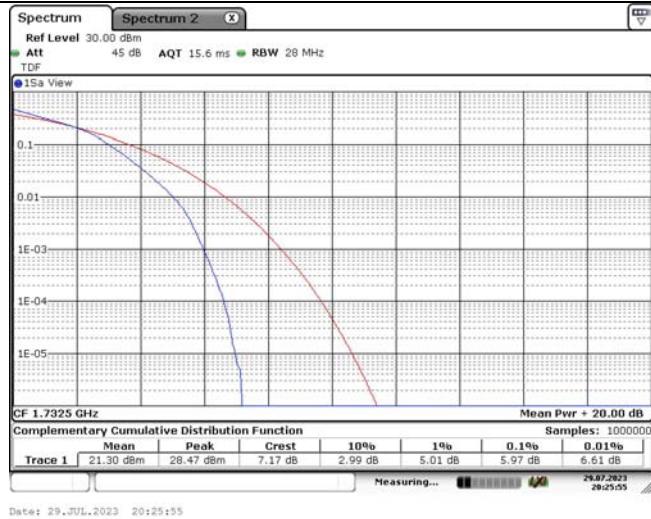
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Band4-10MHz-16QAM-20175-1RB#0



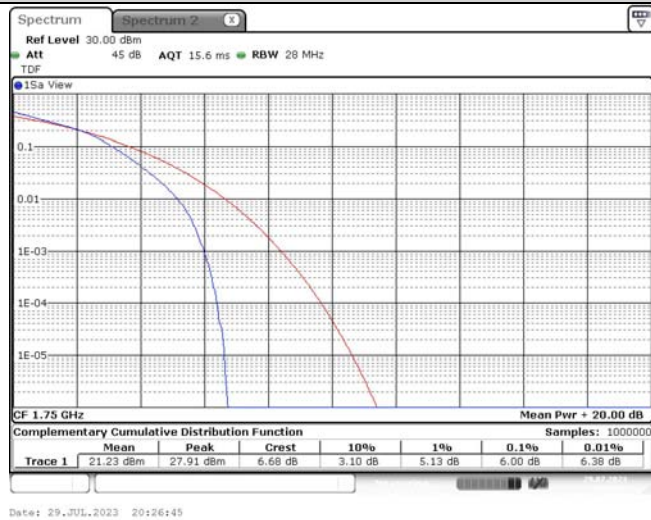
Band4-10MHz-16QAM-20175-50RB#0



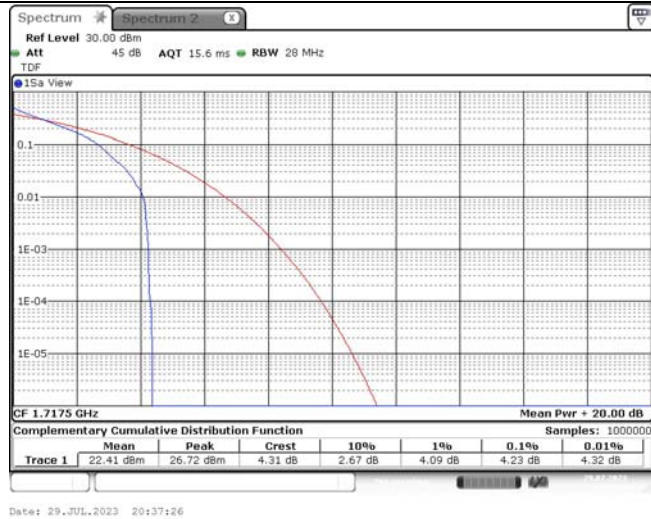
Band4-10MHz-16QAM-20350-1RB#0



Band4-10MHz-16QAM-20350-50RB#0



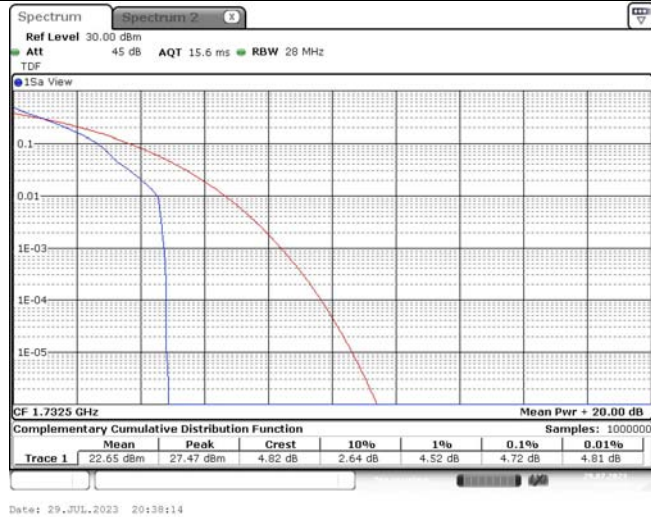
Band4-15MHz-QPSK-20025-1RB#0



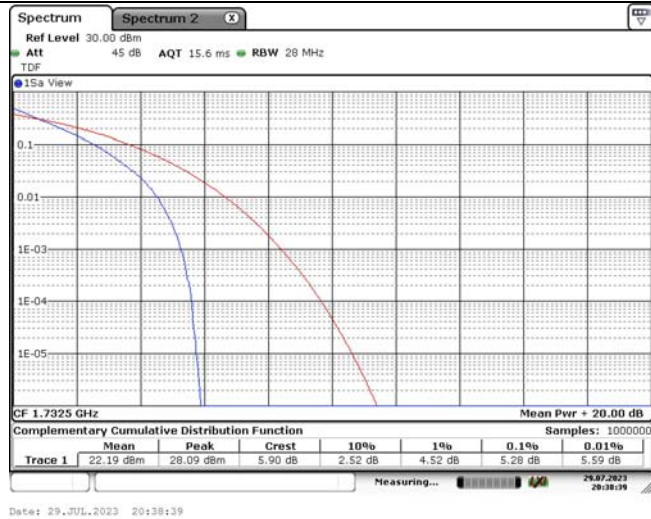
Band4-15MHz-QPSK-20025-75RB#0



Band4-15MHz-QPSK-20175-1RB#0



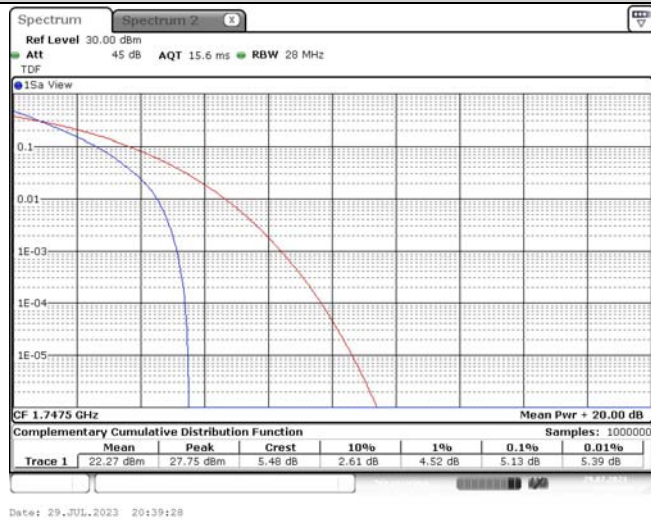
Band4-15MHz-QPSK-20175-75RB#0



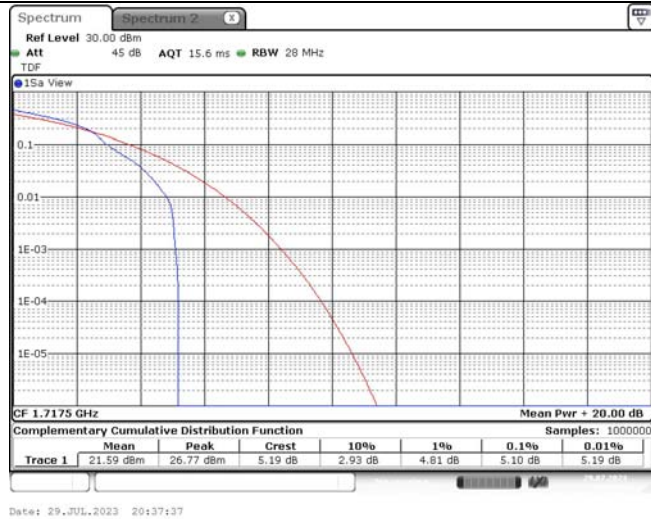
Band4-15MHz-QPSK-20325-1RB#0



Band4-15MHz-QPSK-20325-75RB#0



Band4-15MHz-16QAM-20025-1RB#0



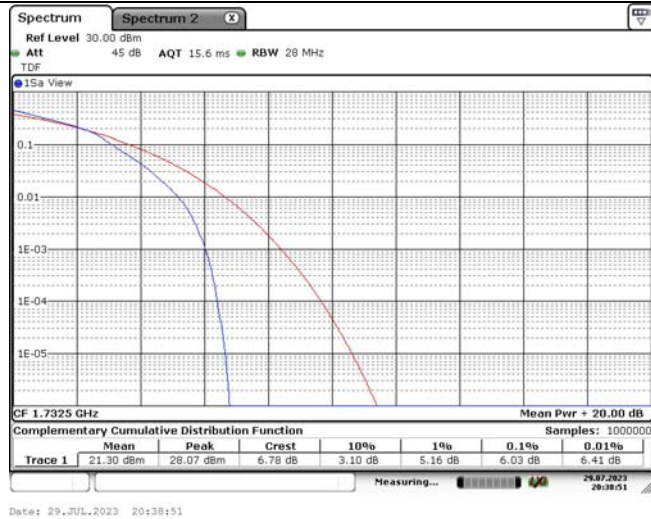
Band4-15MHz-16QAM-20025-75RB#0



Band4-15MHz-16QAM-20175-1RB#0



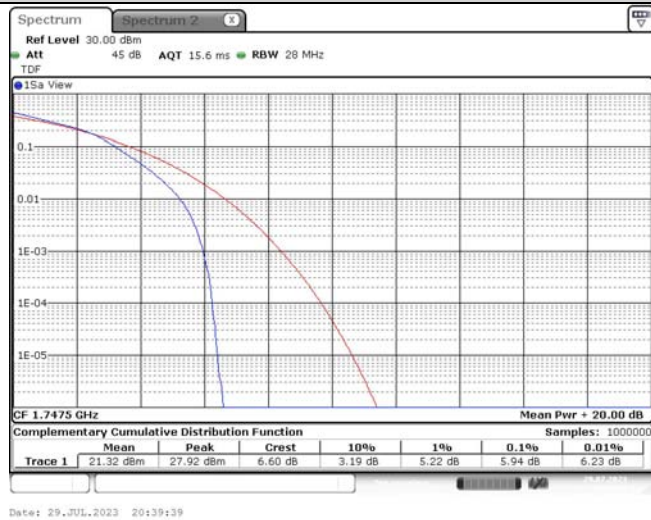
Band4-15MHz-16QAM-20175-75RB#0



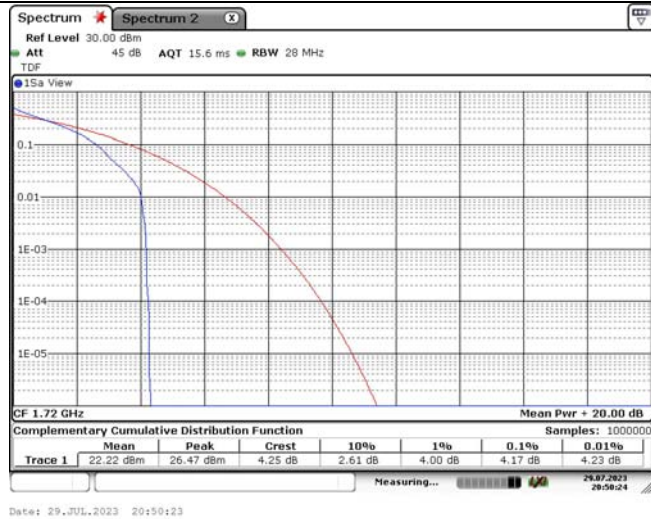
Band4-15MHz-16QAM-20325-1RB#0



Band4-15MHz-16QAM-20325-75RB#0



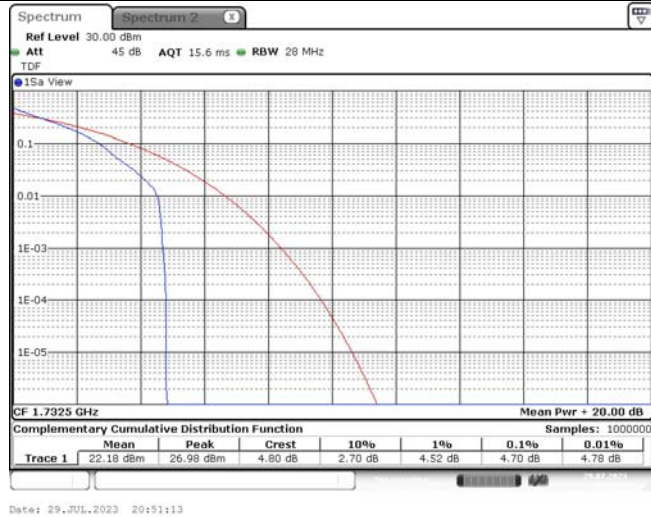
Band4-20MHz-QPSK-20050-1RB#0



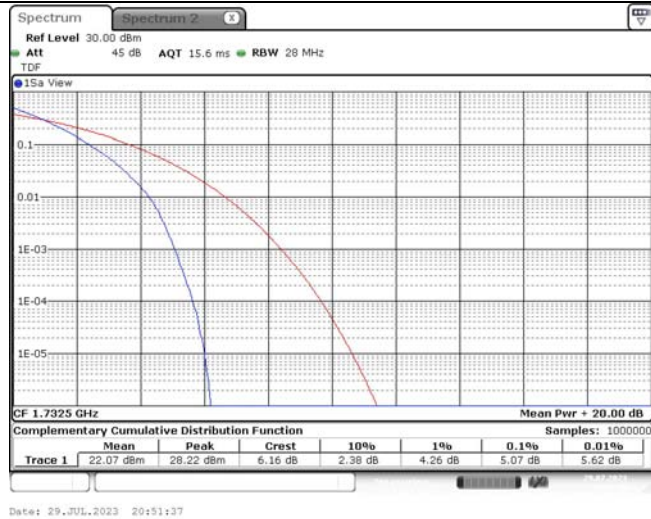
Band4-20MHz-QPSK-20050-100RB#0



Band4-20MHz-QPSK-20175-1RB#0



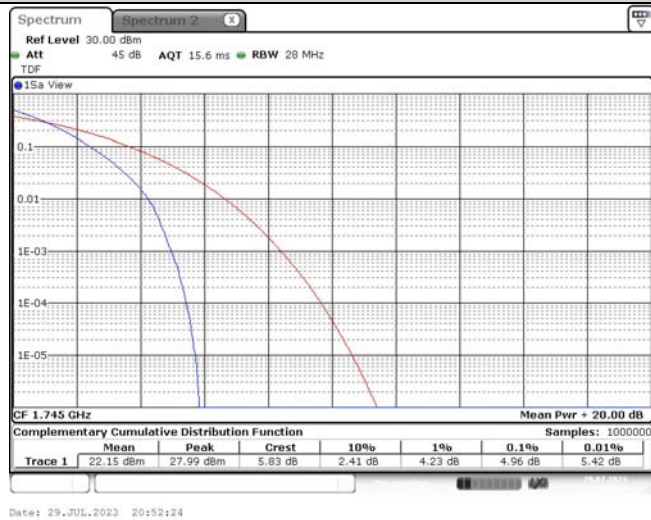
Band4-20MHz-QPSK-20175-100RB#0



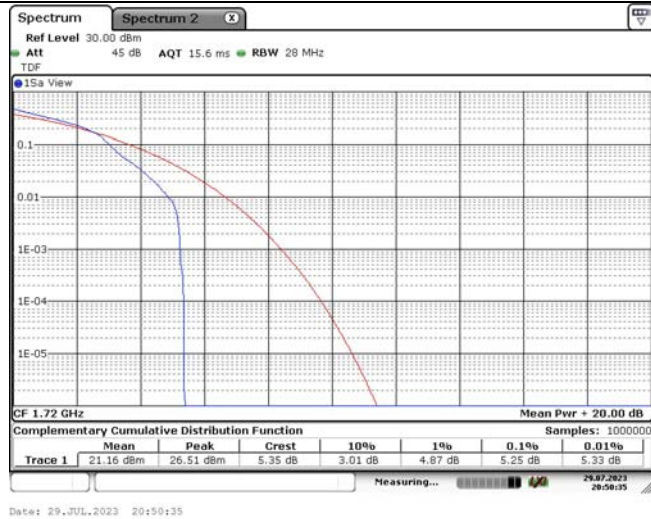
Band4-20MHz-QPSK-20300-1RB#0



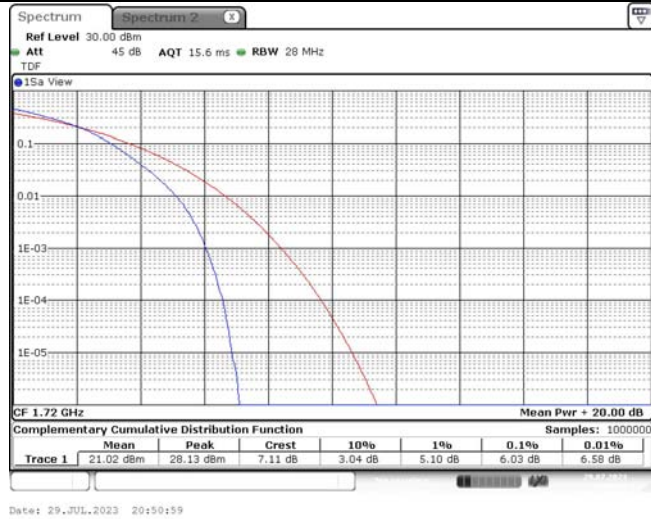
Band4-20MHz-QPSK-20300-100RB#0



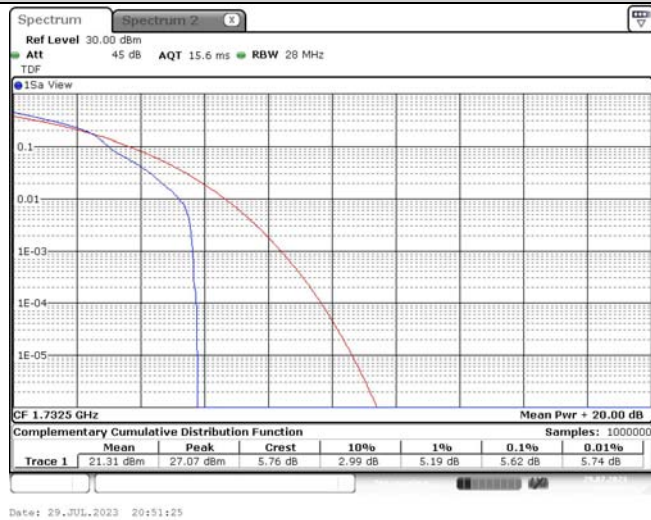
Band4-20MHz-16QAM-20050-1RB#0



Band4-20MHz-16QAM-20050-100RB#0



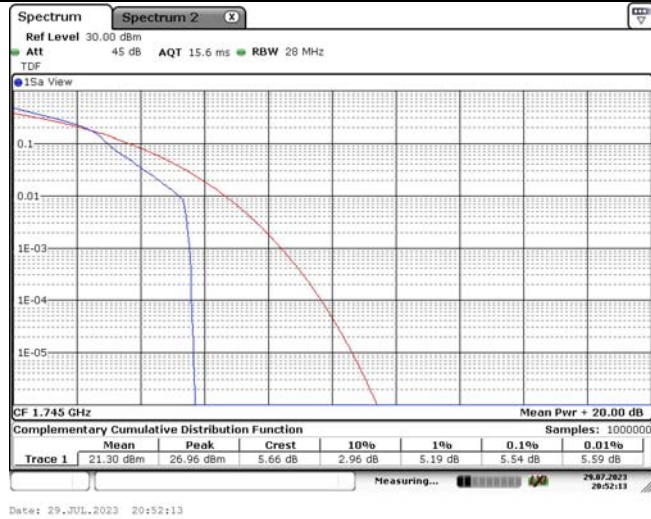
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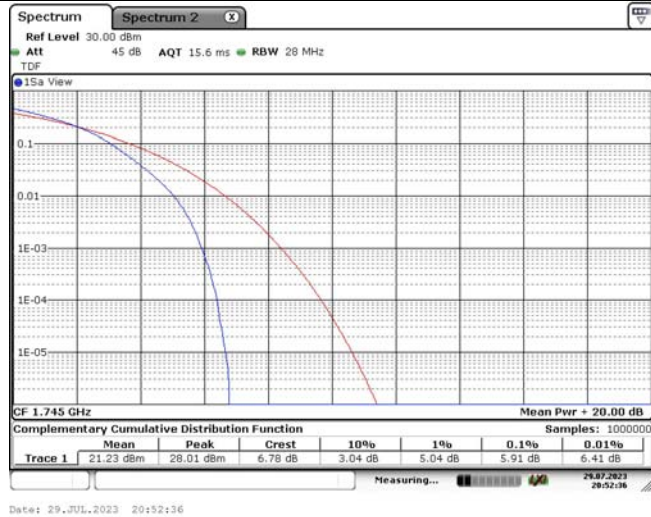
Band4-20MHz-16QAM-20175-100RB#0



Band4-20MHz-16QAM-20300-1RB#0



Band4-20MHz-16QAM-20300-100RB#0



1.3. Appendix C: 26dB Bandwidth and Occupied Bandwidth

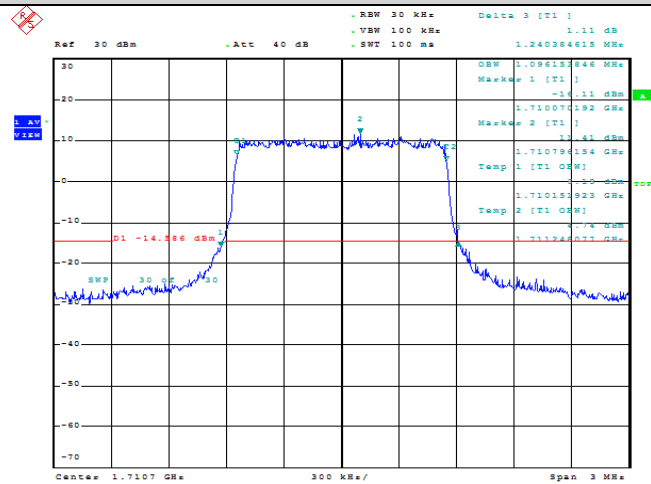
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.096	1.240	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.096	1.240	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.096	1.226	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.096	1.226	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.091	1.202	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.091	1.240	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.705	2.860	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.696	2.870	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.705	2.890	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.696	2.880	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.696	2.870	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.696	2.860	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.496	4.780	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.505	4.780	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.505	4.780	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.505	4.790	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.496	4.790	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.505	4.780	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.985	9.533	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.985	9.533	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.952	9.533	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.952	9.533	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.985	9.533	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.952	9.533	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.428	14.300	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.428	14.300	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.428	14.300	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.378	14.300	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.428	14.300	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.428	14.300	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.97	19.333	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.97	19.333	PASS

Band4	20MHz	QPSK	20300	100RB#0	17.97	19.333	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.97	19.267	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.97	19.333	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.97	19.333	PASS

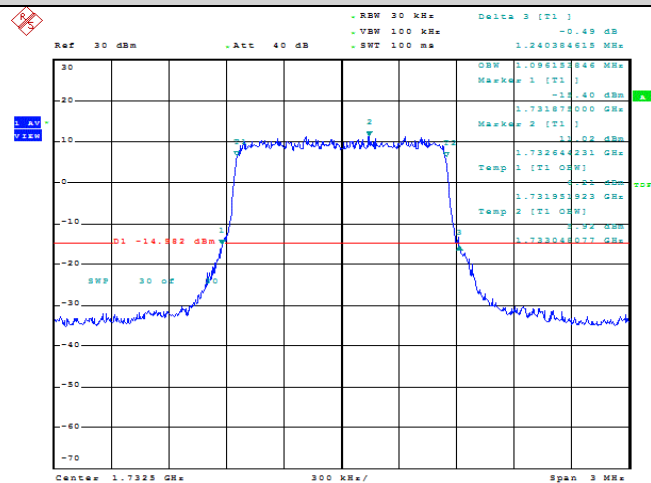
Test Graphs

Band4-1.4MHz-QPSK-19957-6RB#0-1.096



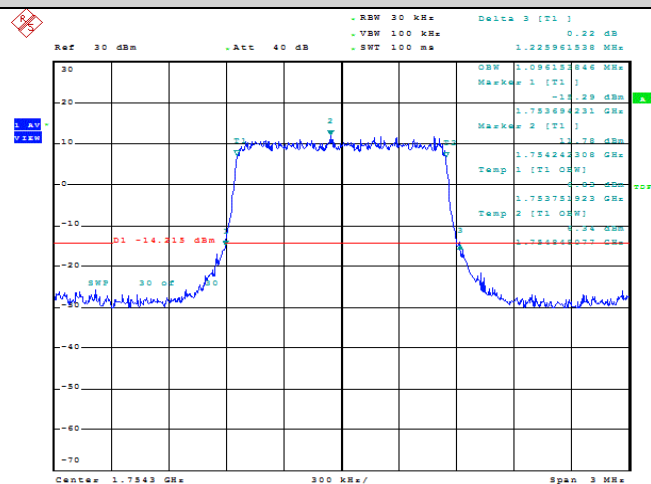
Date: 29.JUL.2023 14:07:21

Band4-1.4MHz-QPSK-20175-6RB#0-1.096



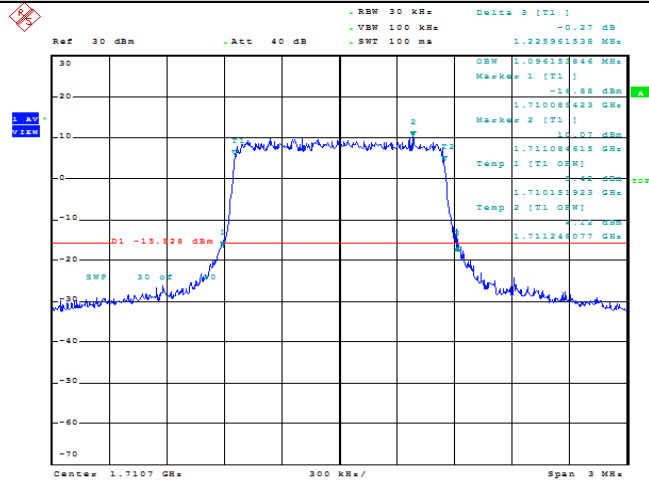
Date: 29.JUL.2023 14:07:45

Band4-1.4MHz-QPSK-20393-6RB#0-1.096



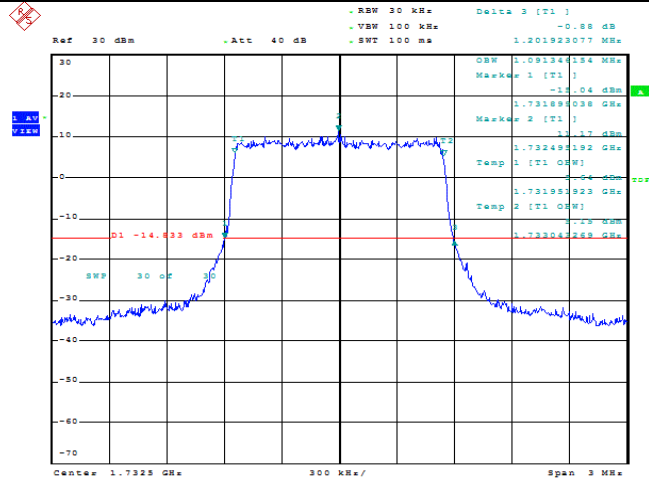
Date: 29.JUL.2023 14:08:09

Band4-1.4MHz-16QAM-19957-6RB#0-1.096



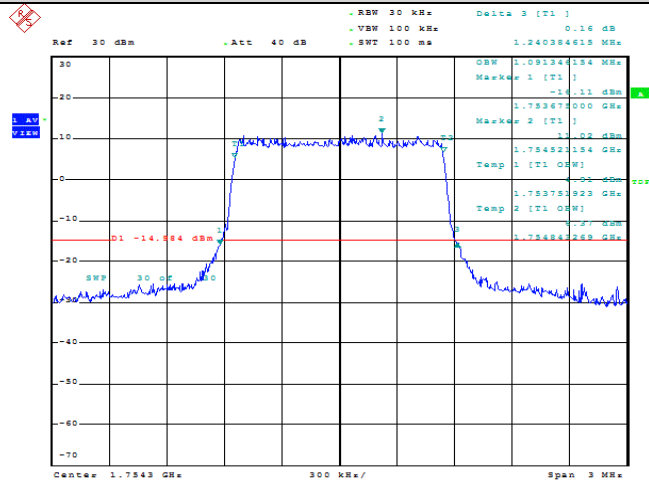
Date: 29.JUL.2023 14:07:32

Band4-1.4MHz-16QAM-20175-6RB#0-1.091



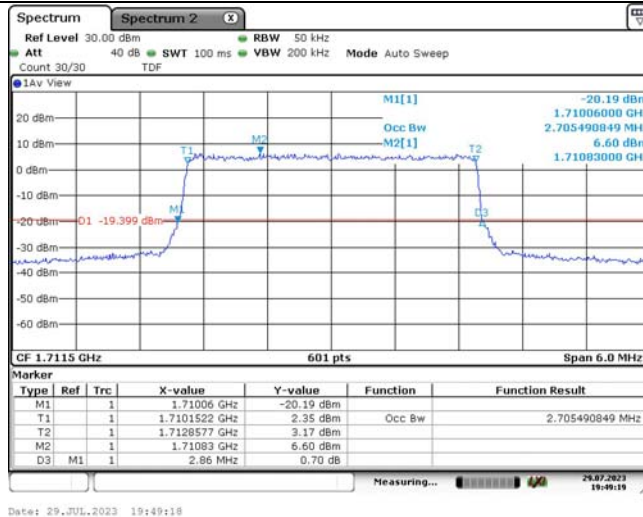
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Band4-1.4MHz-16QAM-20393-6RB#0-1.091

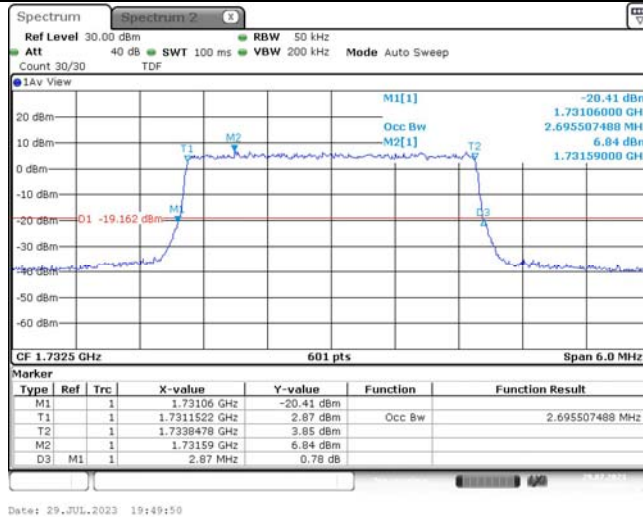


Date: 29.JUL.2023 14:08:20

Band4-3MHz-QPSK-19965-15RB#0-2.705



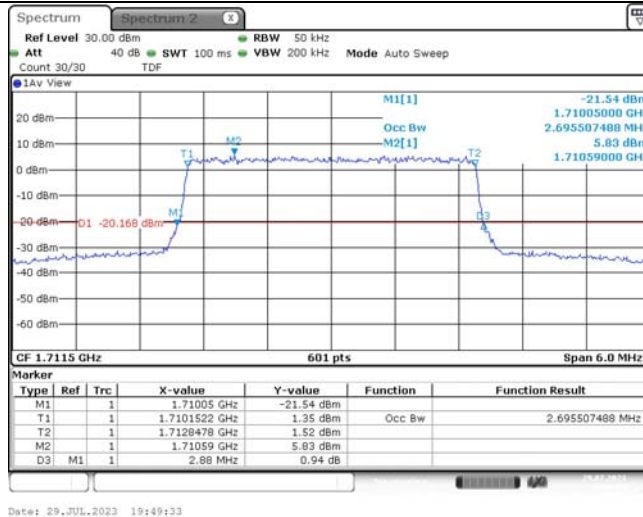
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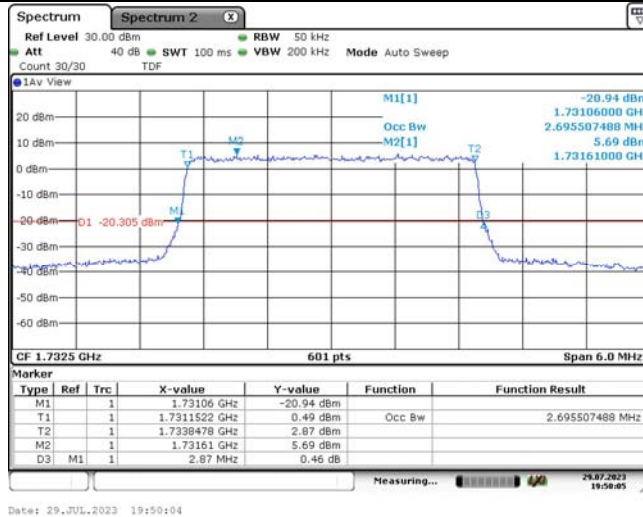
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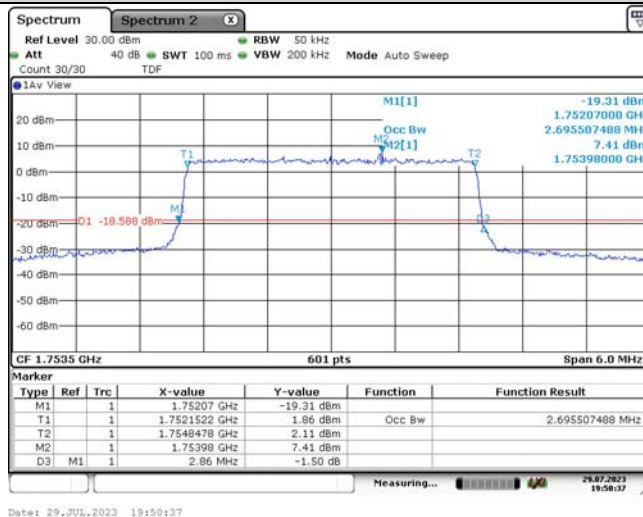
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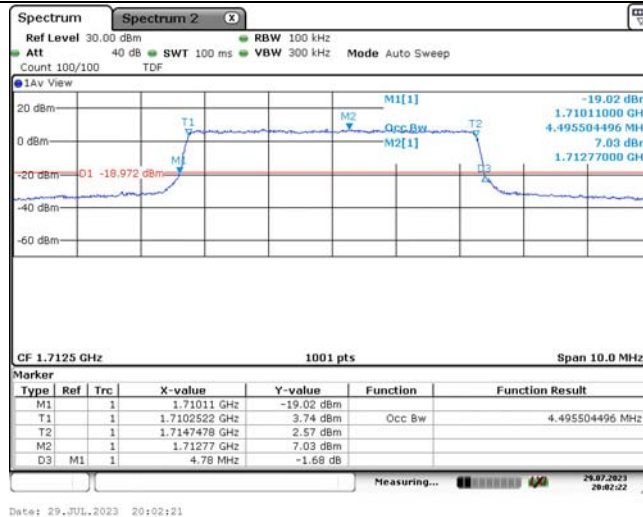
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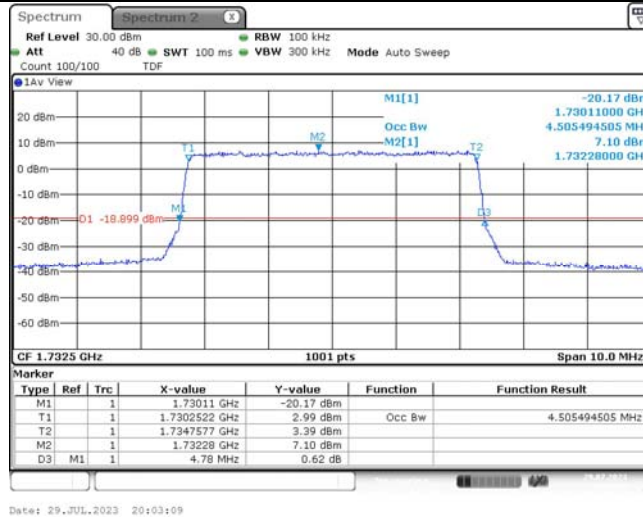
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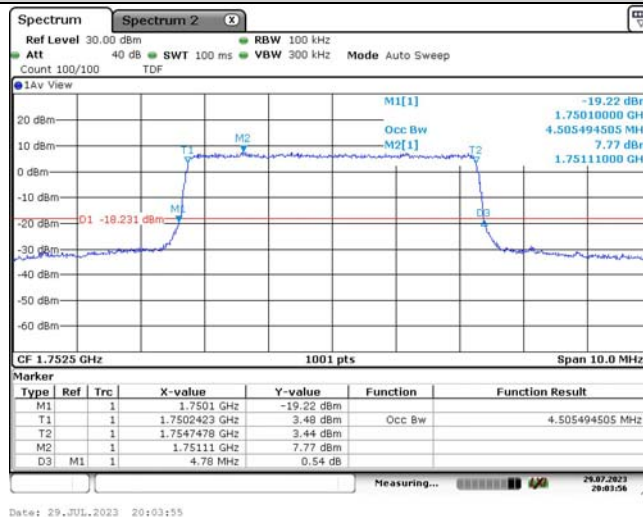
Band4-5MHz-QPSK-19975-25RB#0-4.496



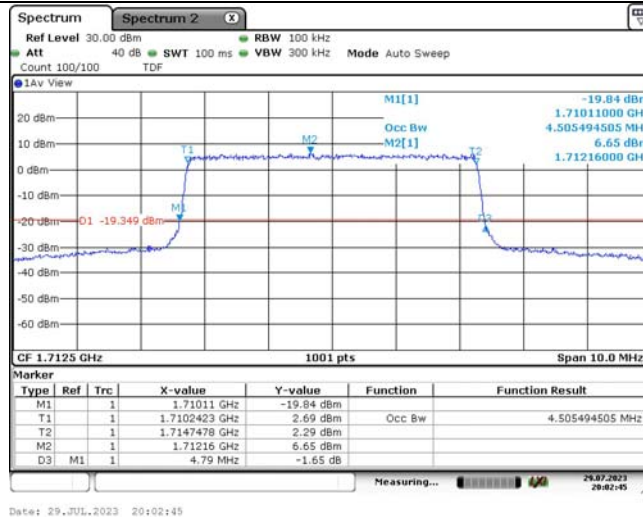
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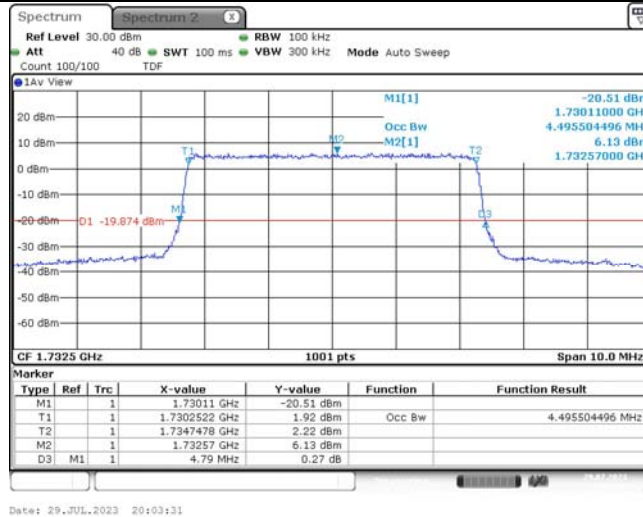
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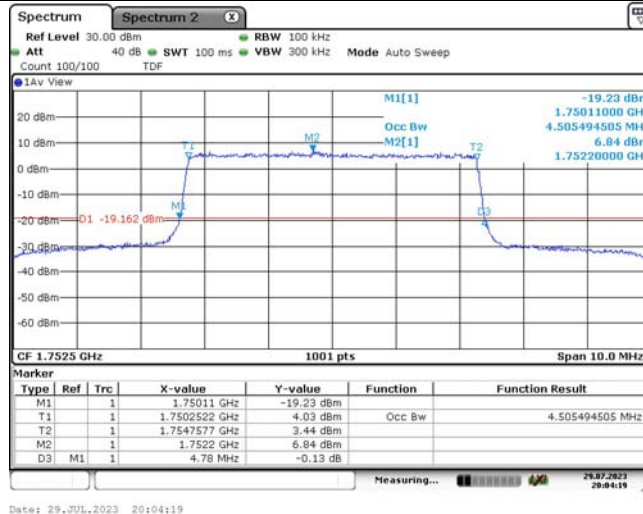
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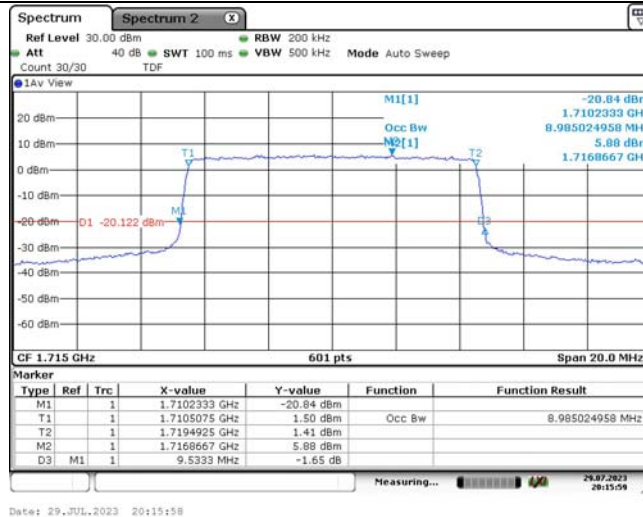
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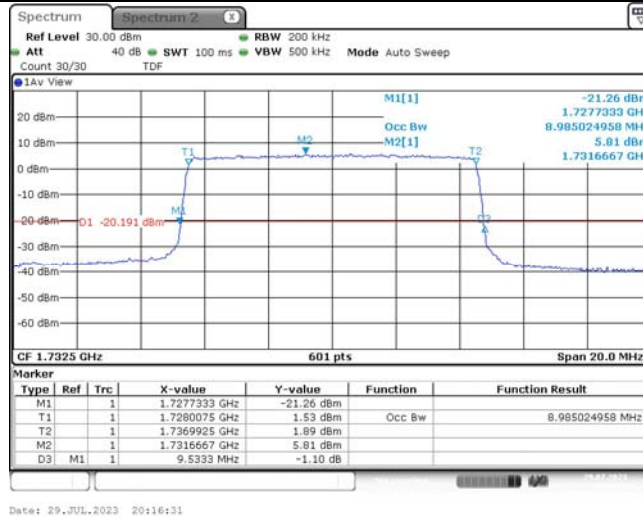
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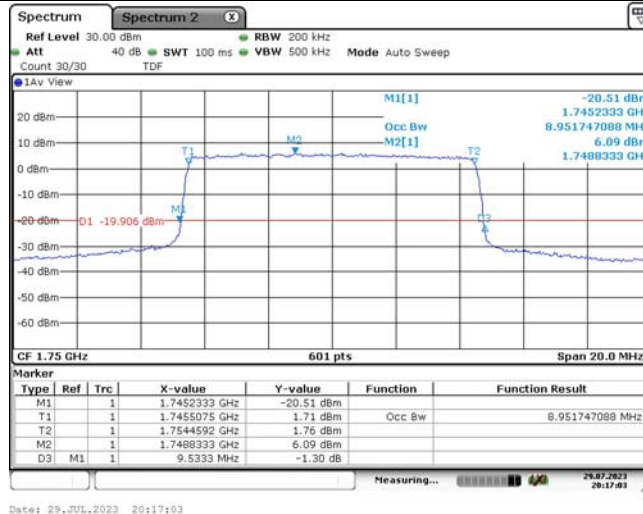
Band4-10MHz-QPSK-20000-50RB#0-8.985



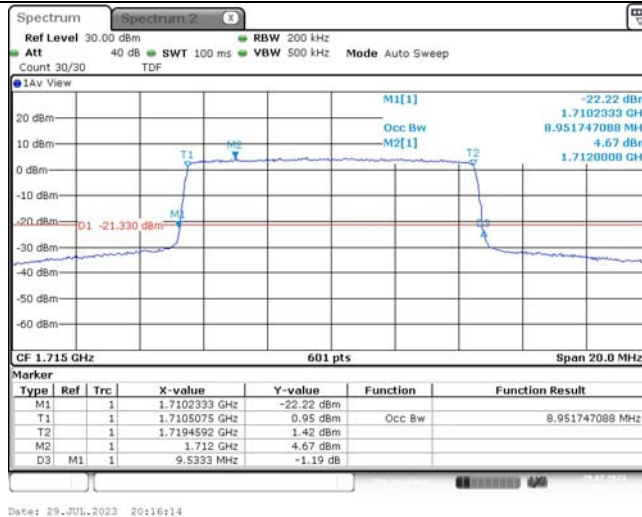
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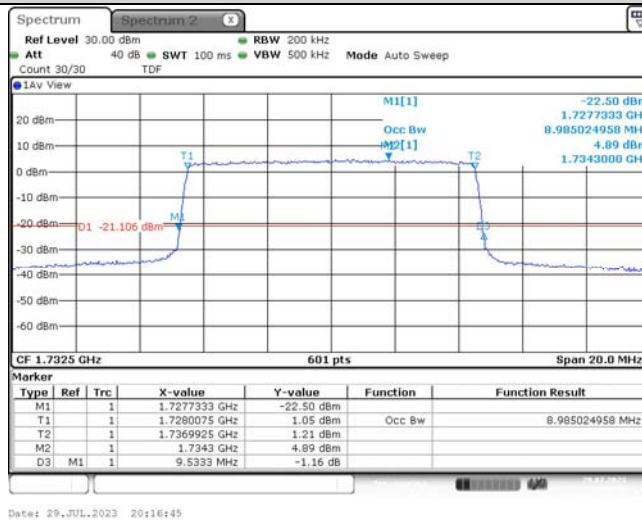
Band4-10MHz-QPSK-20350-50RB#0-8.952



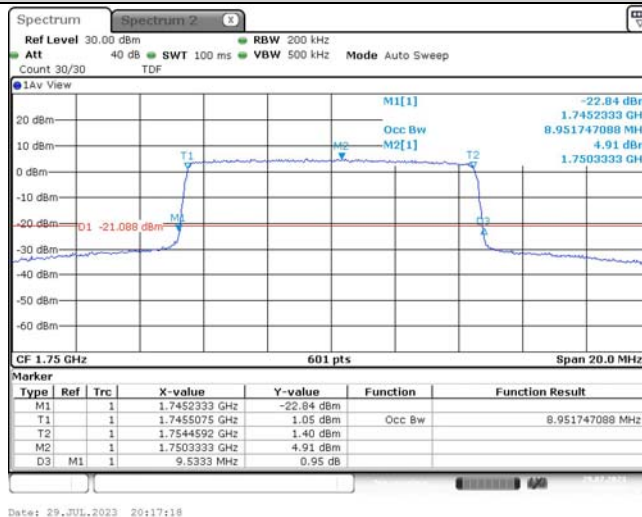
Band4-10MHz-16QAM-20000-50RB#0-8.952



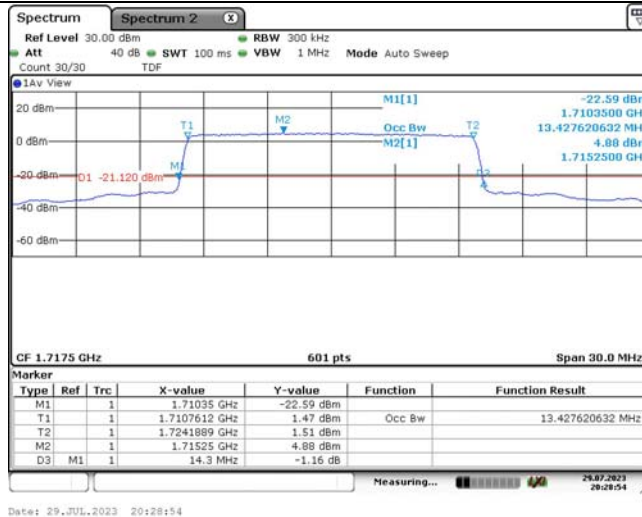
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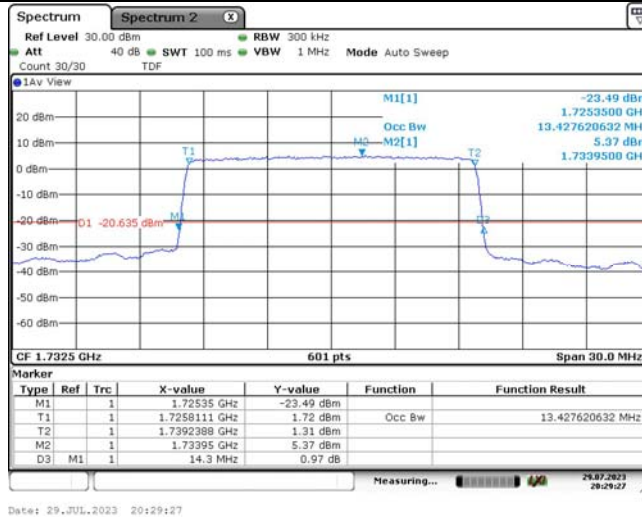
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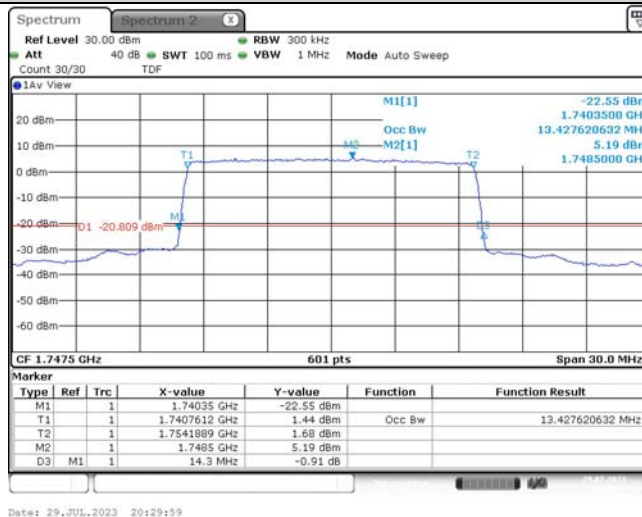
Band4-15MHz-QPSK-20025-75RB#0-13.428



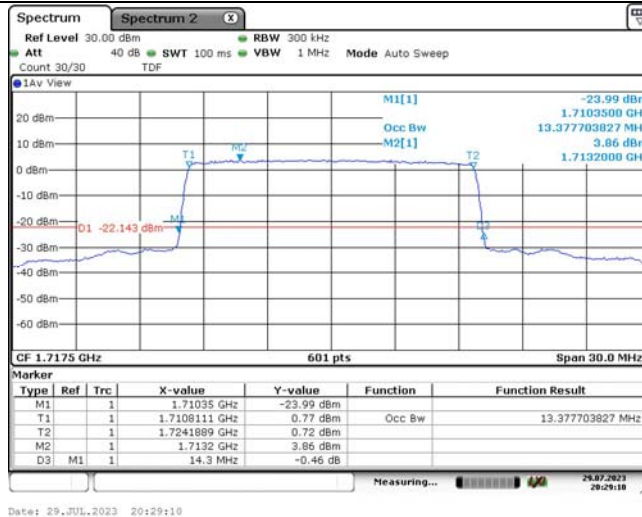
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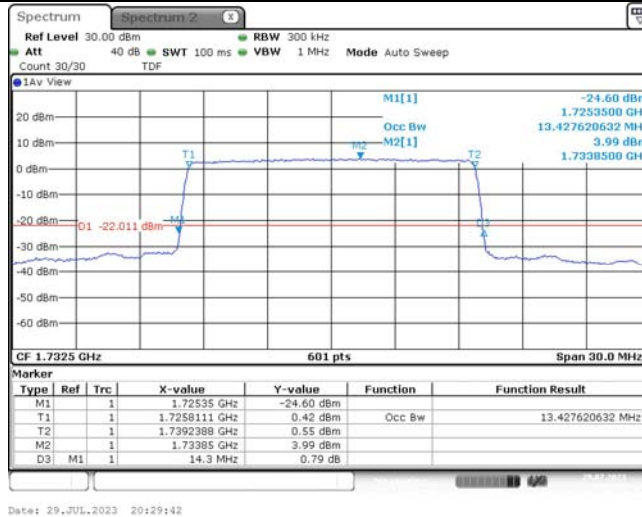
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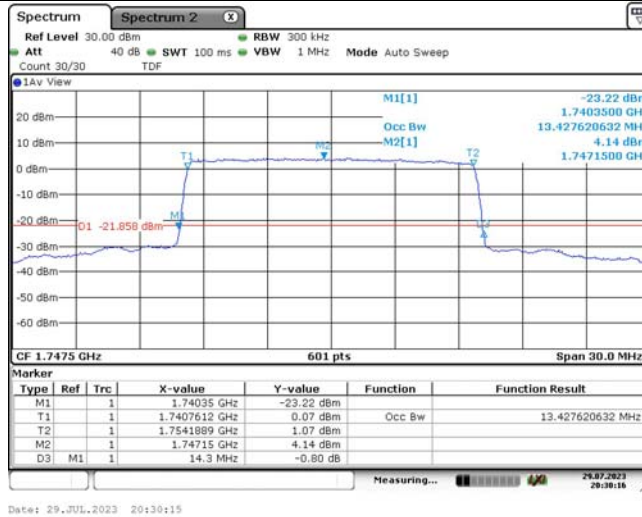
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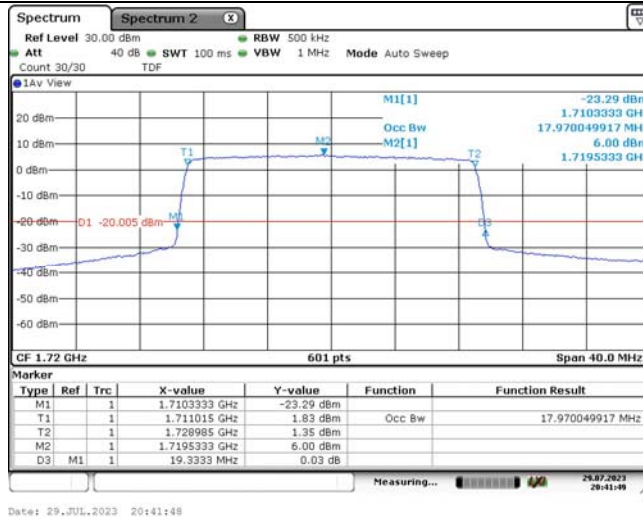
Band4-15MHz-16QAM-20175-75RB#0-13.428



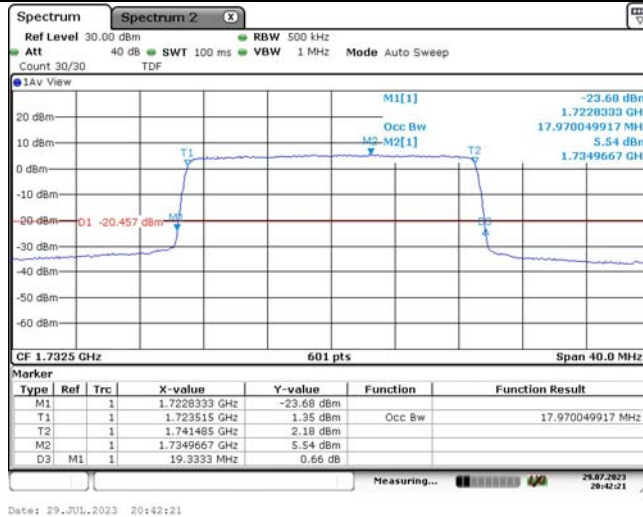
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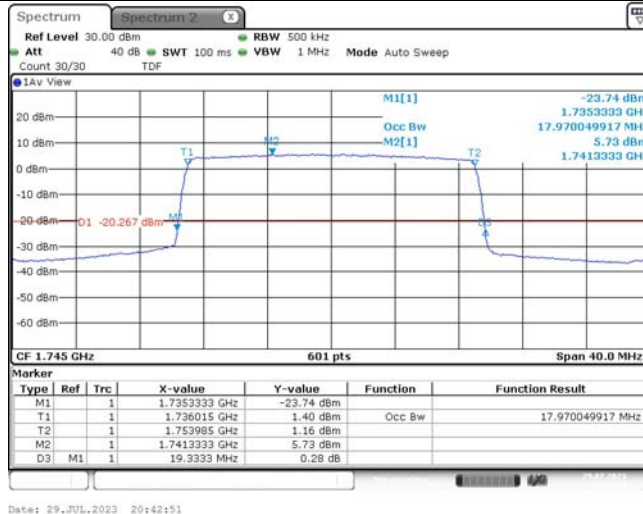
Band4-20MHz-QPSK-20050-100RB#0-17.97



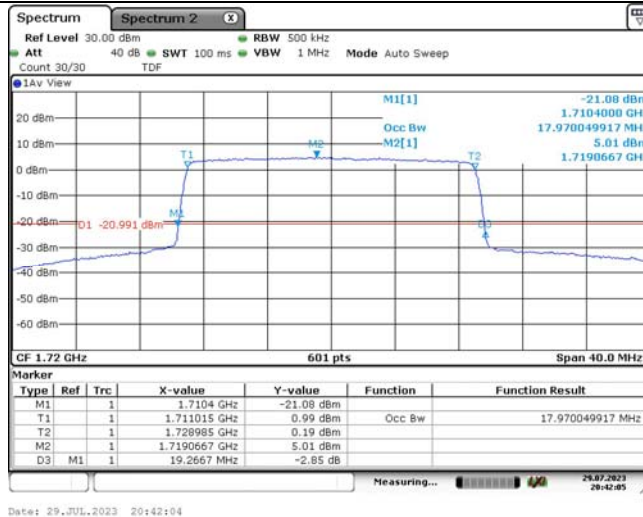
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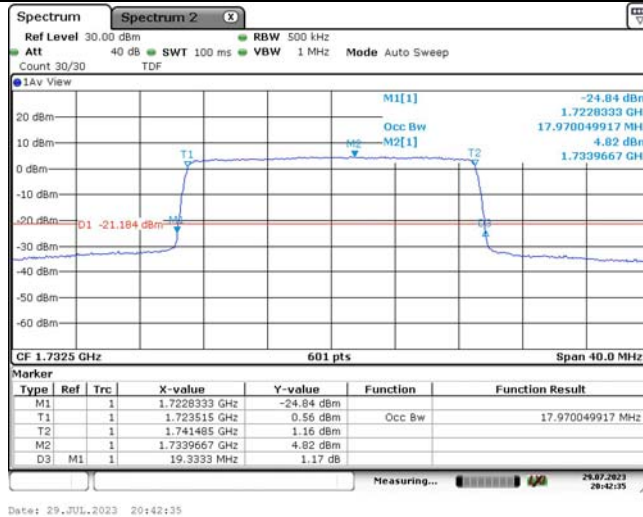
Band4-20MHz-QPSK-20300-100RB#0-17.97



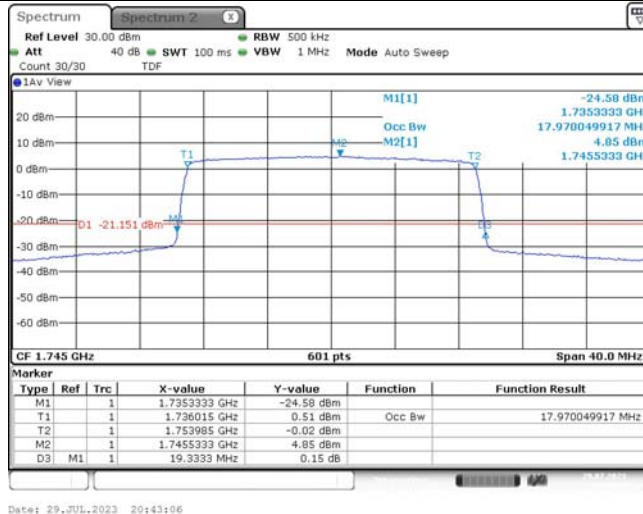
Band4-20MHz-16QAM-20050-100RB#0-17.97



Band4-20MHz-16QAM-20175-100RB#0-17.97



Band4-20MHz-16QAM-20300-100RB#0-17.97



1.4. Appendix D: Band Edge

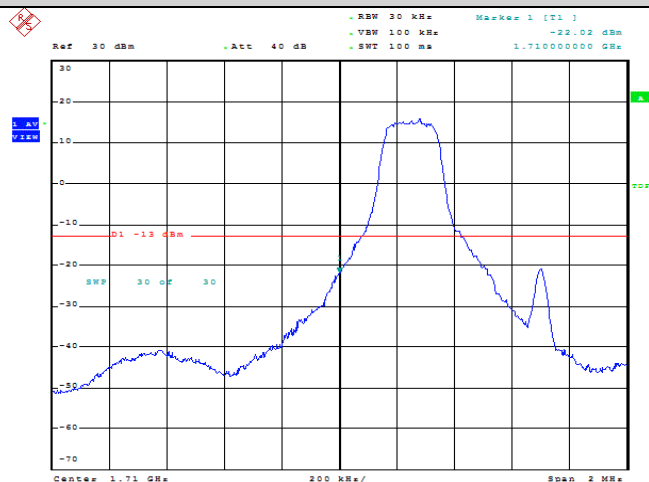
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-22.02	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-44.49	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-26.08	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-37.57	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-19.48	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-27.59	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-23.75	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	-46.01	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-27.22	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	-37.69	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-21.06	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-27.58	PASS
Band4	3MHz	QPSK	19965	1RB#0	-22.57	PASS
Band4	3MHz	QPSK	19965	1RB#14	-46.23	PASS
Band4	3MHz	QPSK	19965	15RB#0	-28.66	PASS
Band4	3MHz	QPSK	20385	1RB#0	-46.07	PASS
Band4	3MHz	QPSK	20385	1RB#14	-21.89	PASS
Band4	3MHz	QPSK	20385	15RB#0	-29.56	PASS
Band4	3MHz	16QAM	19965	1RB#0	-22.92	PASS
Band4	3MHz	16QAM	19965	1RB#14	-47.39	PASS
Band4	3MHz	16QAM	19965	15RB#0	-29.76	PASS
Band4	3MHz	16QAM	20385	1RB#0	-46.95	PASS
Band4	3MHz	16QAM	20385	1RB#14	-22.85	PASS
Band4	3MHz	16QAM	20385	15RB#0	-29.17	PASS
Band4	5MHz	QPSK	19975	1RB#0	-24.05	PASS
Band4	5MHz	QPSK	19975	1RB#24	-51.71	PASS
Band4	5MHz	QPSK	19975	25RB#0	-29.57	PASS
Band4	5MHz	QPSK	20375	1RB#0	-52.34	PASS
Band4	5MHz	QPSK	20375	1RB#24	-22.83	PASS
Band4	5MHz	QPSK	20375	25RB#0	-29.64	PASS
Band4	5MHz	16QAM	19975	1RB#0	-26.09	PASS
Band4	5MHz	16QAM	19975	1RB#24	-52.51	PASS
Band4	5MHz	16QAM	19975	25RB#0	-30.25	PASS

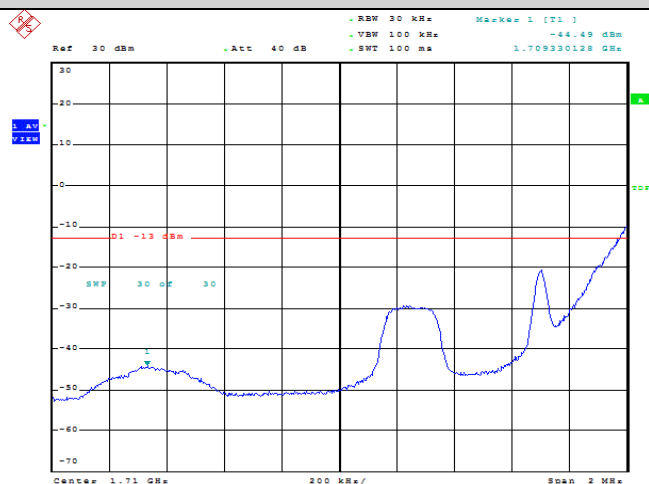
Band4	5MHz	16QAM	20375	1RB#0	-52.49	PASS
Band4	5MHz	16QAM	20375	1RB#24	-24.55	PASS
Band4	5MHz	16QAM	20375	25RB#0	-29.64	PASS
Band4	10MHz	QPSK	20000	1RB#0	-33.69	PASS
Band4	10MHz	QPSK	20000	1RB#49	-49.96	PASS
Band4	10MHz	QPSK	20000	50RB#0	-30.37	PASS
Band4	10MHz	QPSK	20350	1RB#0	-50.29	PASS
Band4	10MHz	QPSK	20350	1RB#49	-33.46	PASS
Band4	10MHz	QPSK	20350	50RB#0	-31.02	PASS
Band4	10MHz	16QAM	20000	1RB#0	-34.89	PASS
Band4	10MHz	16QAM	20000	1RB#49	-50.47	PASS
Band4	10MHz	16QAM	20000	50RB#0	-30.81	PASS
Band4	10MHz	16QAM	20350	1RB#0	-50.36	PASS
Band4	10MHz	16QAM	20350	1RB#49	-34.45	PASS
Band4	10MHz	16QAM	20350	50RB#0	-30.65	PASS
Band4	15MHz	QPSK	20025	1RB#0	-34.19	PASS
Band4	15MHz	QPSK	20025	1RB#74	-48.80	PASS
Band4	15MHz	QPSK	20025	75RB#0	-31.81	PASS
Band4	15MHz	QPSK	20325	1RB#0	-48.52	PASS
Band4	15MHz	QPSK	20325	1RB#74	-32.69	PASS
Band4	15MHz	QPSK	20325	75RB#0	-32.31	PASS
Band4	15MHz	16QAM	20025	1RB#0	-34.46	PASS
Band4	15MHz	16QAM	20025	1RB#74	-49.04	PASS
Band4	15MHz	16QAM	20025	75RB#0	-31.66	PASS
Band4	15MHz	16QAM	20325	1RB#0	-48.73	PASS
Band4	15MHz	16QAM	20325	1RB#74	-33.49	PASS
Band4	15MHz	16QAM	20325	75RB#0	-32.20	PASS
Band4	20MHz	QPSK	20050	1RB#0	-30.11	PASS
Band4	20MHz	QPSK	20050	1RB#99	-47.44	PASS
Band4	20MHz	QPSK	20050	100RB#0	-30.33	PASS
Band4	20MHz	QPSK	20300	1RB#0	-47.09	PASS
Band4	20MHz	QPSK	20300	1RB#99	-29.74	PASS
Band4	20MHz	QPSK	20300	100RB#0	-32.08	PASS
Band4	20MHz	16QAM	20050	1RB#0	-30.52	PASS
Band4	20MHz	16QAM	20050	1RB#99	-47.54	PASS
Band4	20MHz	16QAM	20050	100RB#0	-30.34	PASS
Band4	20MHz	16QAM	20300	1RB#0	-47.13	PASS
Band4	20MHz	16QAM	20300	1RB#99	-30.17	PASS

Band4	20MHz	16QAM	20300	100RB#0	-31.40	PASS
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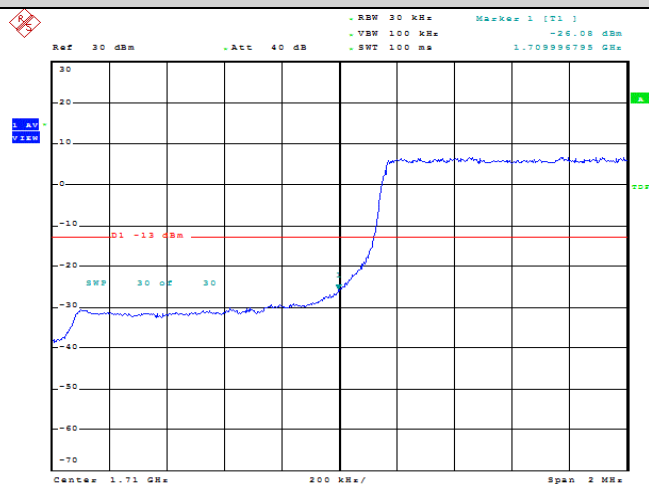
Test Graphs



Date: 29.JUL.2023 14:08:38

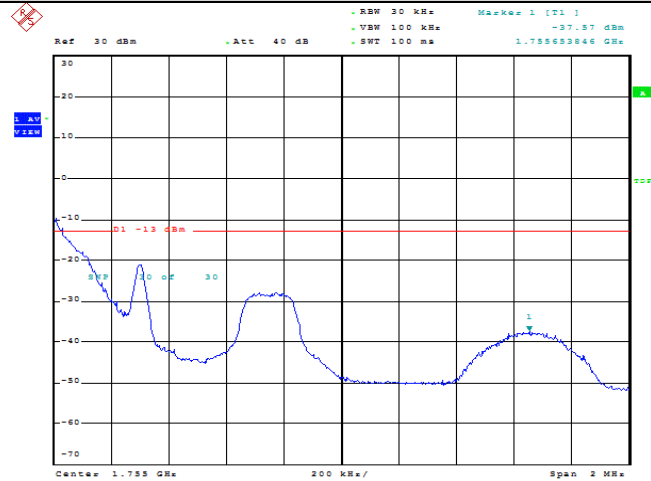


Date: 29.JUL.2023 14:09:00



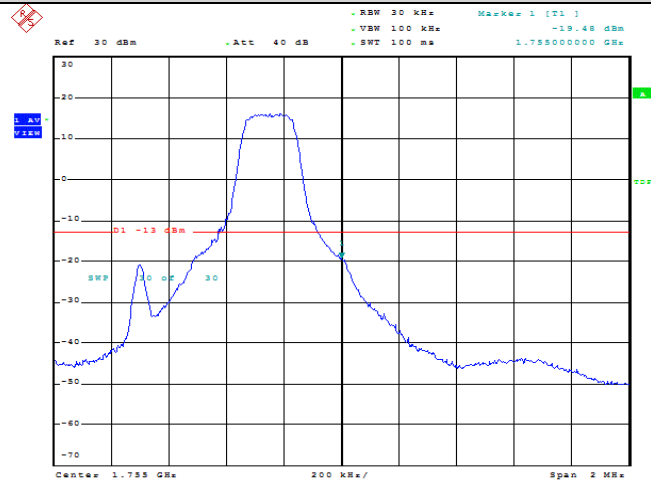
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Band4-1.4MHz-QPSK-20393-1RB#0



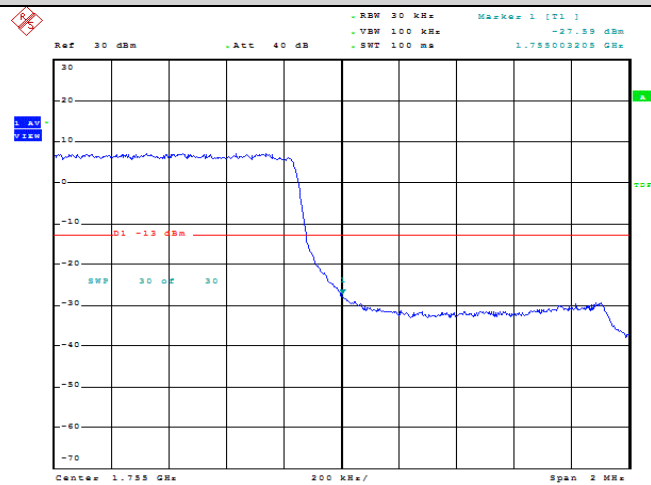
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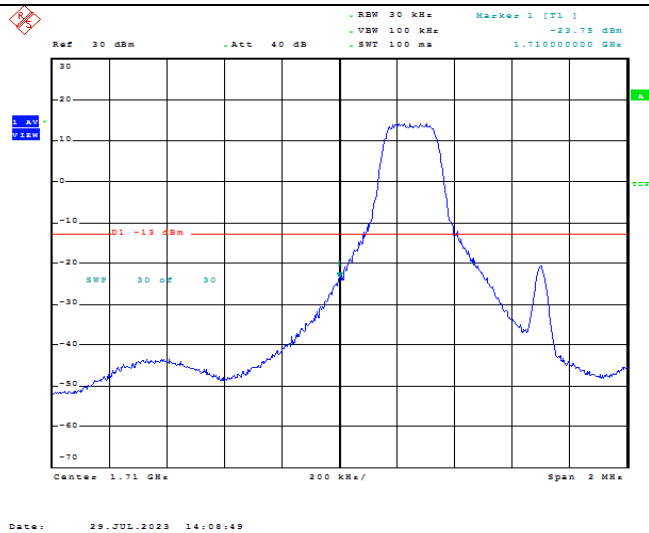
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Band4-1.4MHz-QPSK-20393-6RB#0

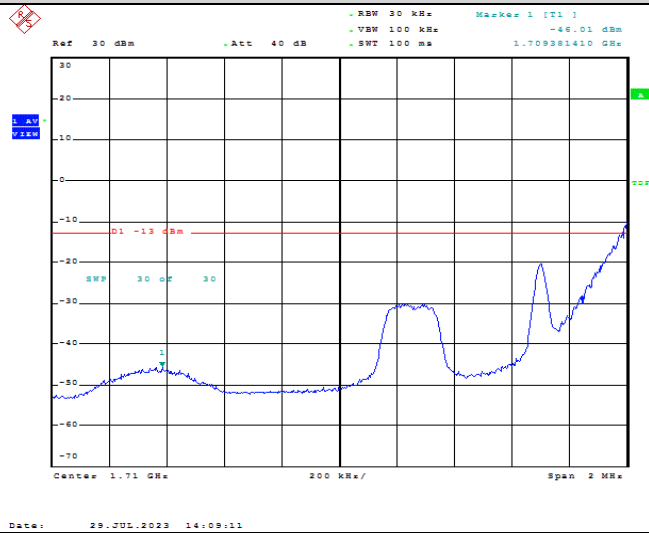


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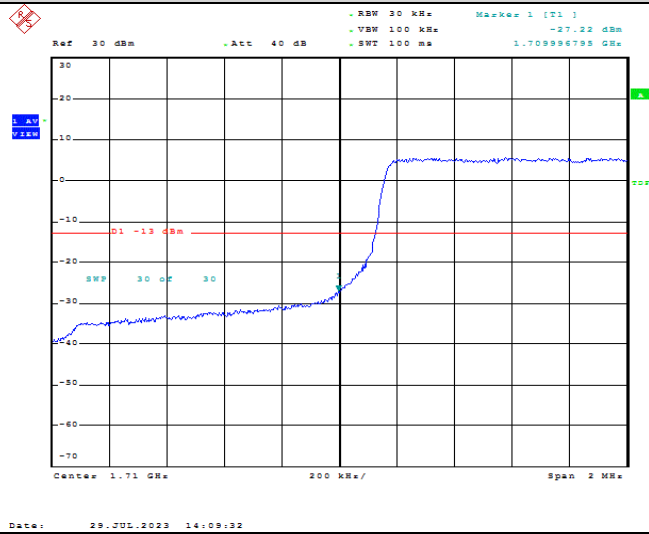
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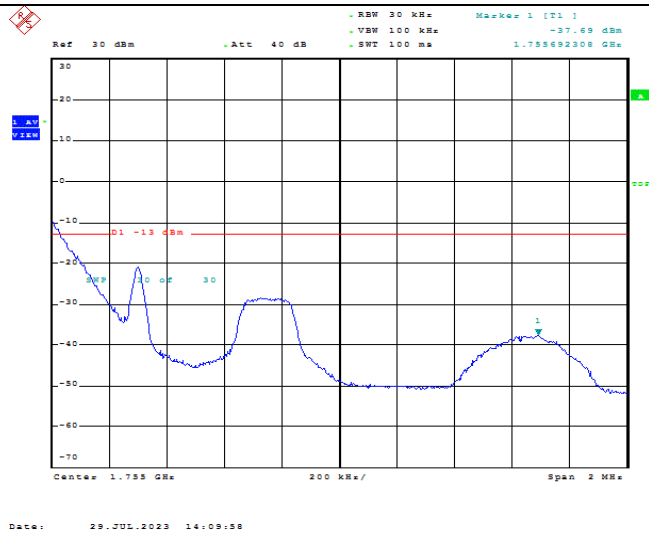
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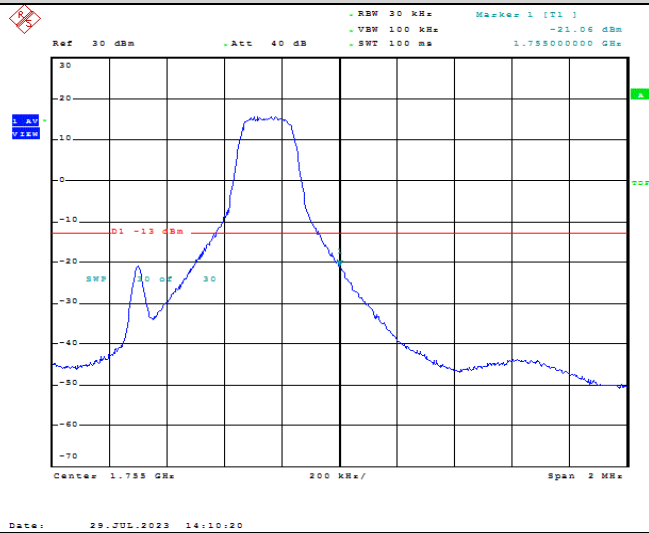
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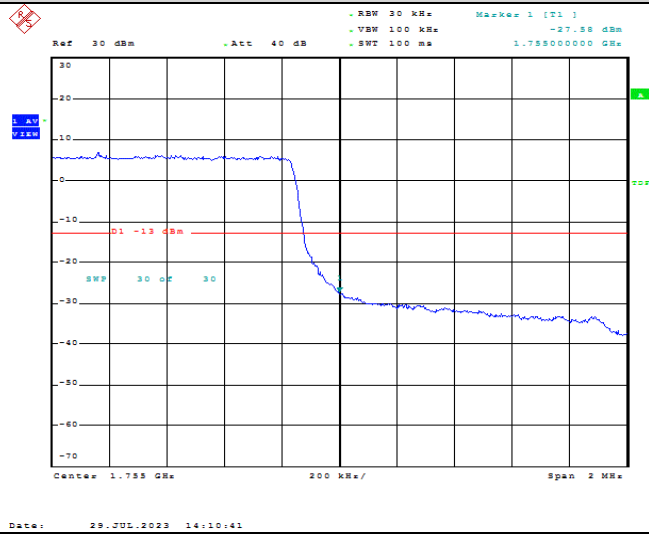
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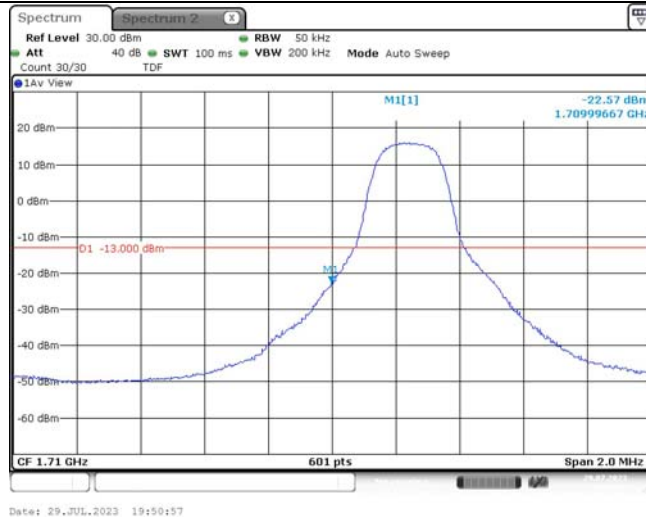
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Band4-1.4MHz-16QAM-20393-6RB#0



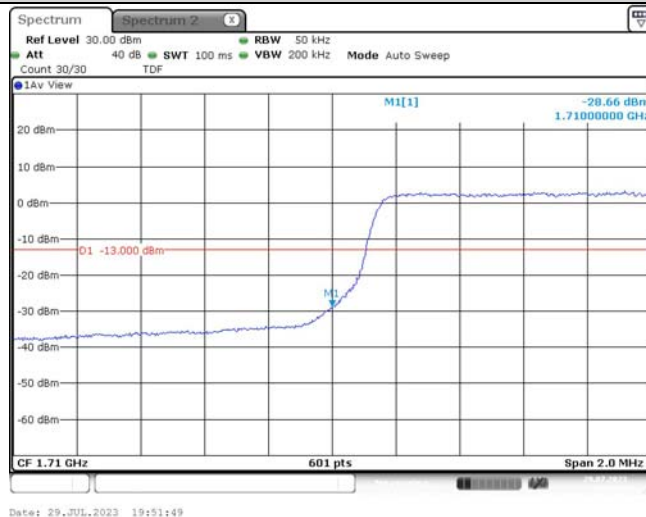
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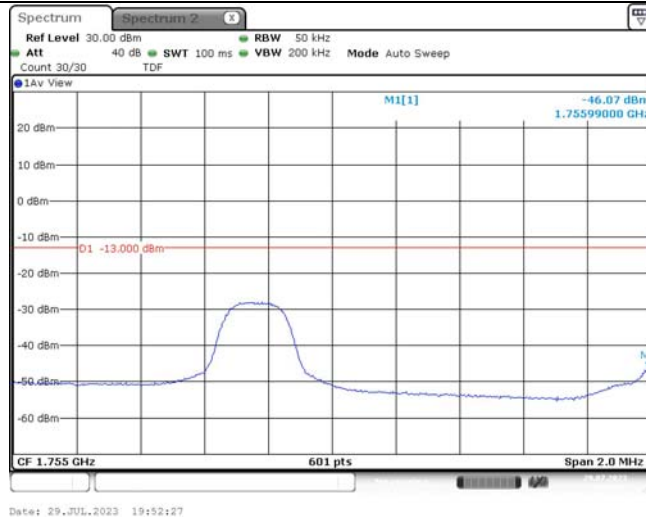
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Band4-3MHz-QPSK-19965-15RB#0



Band4-3MHz-QPSK-20385-1RB#0



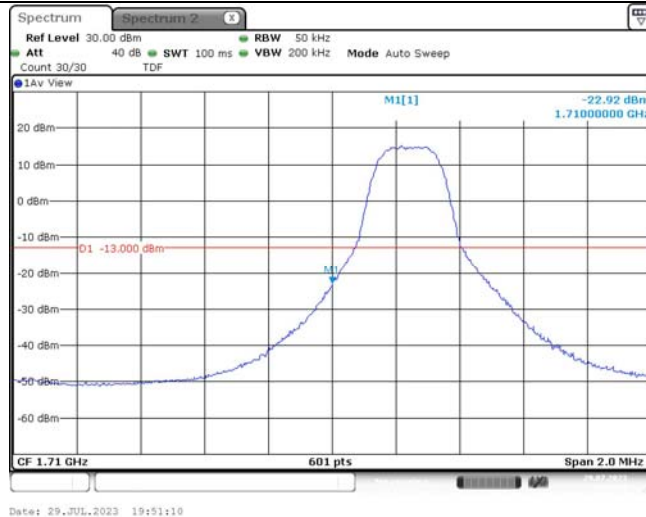
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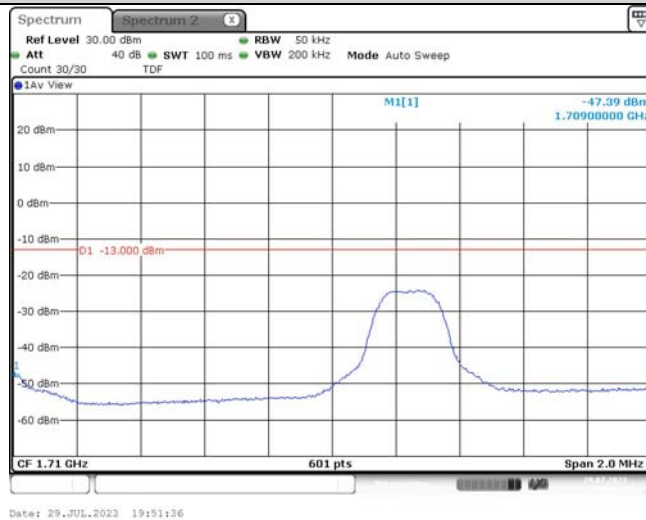
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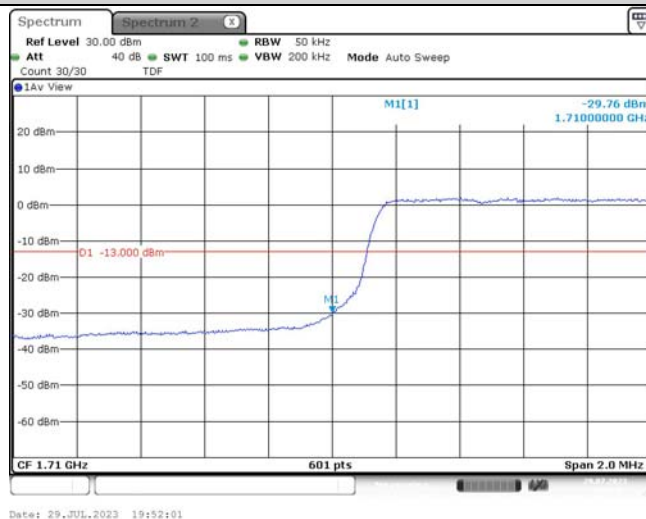
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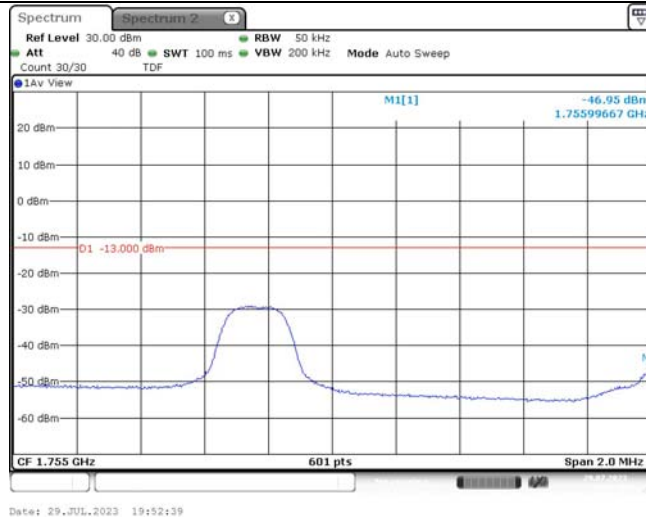
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Band4-3MHz-16QAM-19965-15RB#0



Band4-3MHz-16QAM-20385-1RB#0



Band4-3MHz-16QAM-20385-1RB#14



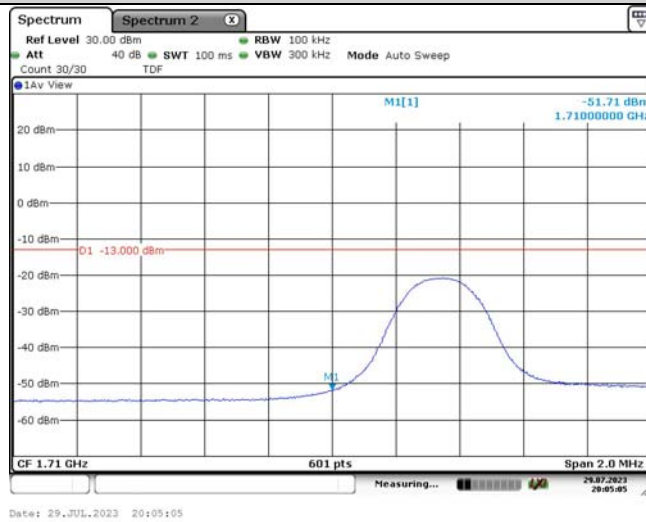
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Band4-5MHz-QPSK-19975-1RB#0



Band4-5MHz-QPSK-19975-1RB#24



Band4-5MHz-QPSK-19975-25RB#0



Band4-5MHz-QPSK-20375-1RB#0



Band4-5MHz-QPSK-20375-1RB#24



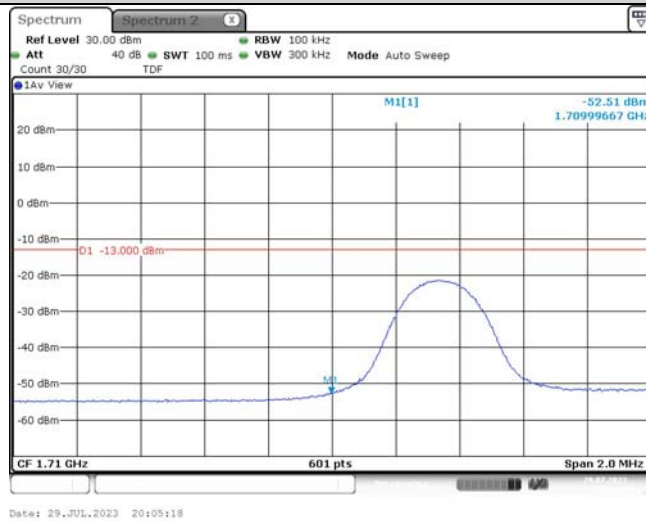
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Band4-5MHz-16QAM-19975-1RB#0



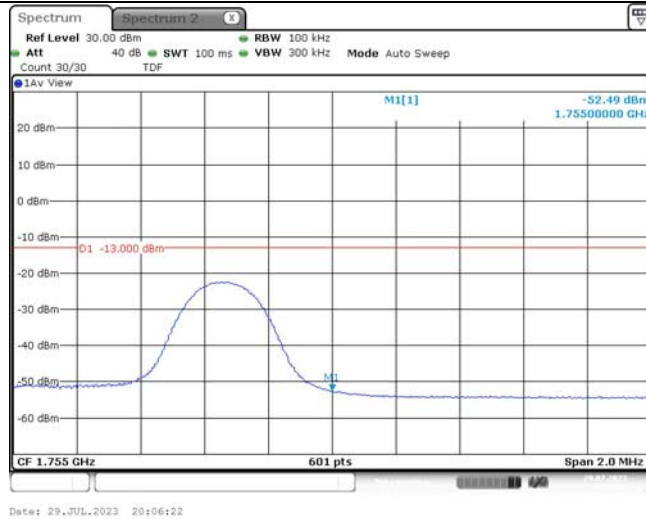
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Band4-5MHz-16QAM-19975-25RB#0



Band4-5MHz-16QAM-20375-1RB#0



Band4-5MHz-16QAM-20375-1RB#24



Band4-5MHz-16QAM-20375-25RB#0



Band4-10MHz-QPSK-20000-1RB#0