



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 25

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)	9
1.3.	Appendix C: 26dB Bandwidth and Occupied Bandwidth.....	35
1.4.	Appendix D: Band Edge	49
1.5.	Appendix E: Conducted Spurious Emission	76
1.6.	Appendix F: Frequency Stability	115

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
Band25	3MHz	QPSK	26055	1RB#0	24.08	PASS
Band25	3MHz	QPSK	26055	1RB#8	24.37	PASS
Band25	3MHz	QPSK	26055	1RB#14	24.39	PASS
Band25	3MHz	QPSK	26055	8RB#0	23.19	PASS
Band25	3MHz	QPSK	26055	8RB#4	23.31	PASS
Band25	3MHz	QPSK	26055	8RB#7	23.19	PASS
Band25	3MHz	QPSK	26055	15RB#0	23.30	PASS
Band25	3MHz	QPSK	26365	1RB#0	24.13	PASS
Band25	3MHz	QPSK	26365	1RB#8	24.41	PASS
Band25	3MHz	QPSK	26365	1RB#14	24.33	PASS
Band25	3MHz	QPSK	26365	8RB#0	23.52	PASS
Band25	3MHz	QPSK	26365	8RB#4	23.64	PASS
Band25	3MHz	QPSK	26365	8RB#7	23.68	PASS
Band25	3MHz	QPSK	26365	15RB#0	23.28	PASS
Band25	3MHz	QPSK	26675	1RB#0	24.41	PASS
Band25	3MHz	QPSK	26675	1RB#8	24.53	PASS
Band25	3MHz	QPSK	26675	1RB#14	24.56	PASS
Band25	3MHz	QPSK	26675	8RB#0	23.23	PASS
Band25	3MHz	QPSK	26675	8RB#4	23.75	PASS
Band25	3MHz	QPSK	26675	8RB#7	23.69	PASS
Band25	3MHz	QPSK	26675	15RB#0	23.66	PASS
Band25	3MHz	16QAM	26055	1RB#0	23.01	PASS
Band25	3MHz	16QAM	26055	1RB#8	23.21	PASS
Band25	3MHz	16QAM	26055	1RB#14	23.20	PASS
Band25	3MHz	16QAM	26055	8RB#0	23.18	PASS
Band25	3MHz	16QAM	26055	8RB#4	23.30	PASS
Band25	3MHz	16QAM	26055	8RB#7	23.19	PASS
Band25	3MHz	16QAM	26055	15RB#0	22.03	PASS
Band25	3MHz	16QAM	26365	1RB#0	23.65	PASS
Band25	3MHz	16QAM	26365	1RB#8	23.18	PASS
Band25	3MHz	16QAM	26365	1RB#14	23.67	PASS
Band25	3MHz	16QAM	26365	8RB#0	23.52	PASS
Band25	3MHz	16QAM	26365	8RB#4	23.64	PASS

Band25	3MHz	16QAM	26365	8RB#7	23.86	PASS
Band25	3MHz	16QAM	26365	15RB#0	22.03	PASS
Band25	3MHz	16QAM	26675	1RB#0	24.13	PASS
Band25	3MHz	16QAM	26675	1RB#8	23.55	PASS
Band25	3MHz	16QAM	26675	1RB#14	23.45	PASS
Band25	3MHz	16QAM	26675	8RB#0	23.26	PASS
Band25	3MHz	16QAM	26675	8RB#4	23.72	PASS
Band25	3MHz	16QAM	26675	8RB#7	23.34	PASS
Band25	3MHz	16QAM	26675	15RB#0	22.61	PASS
Band25	5MHz	QPSK	26065	1RB#0	24.25	PASS
Band25	5MHz	QPSK	26065	1RB#12	24.13	PASS
Band25	5MHz	QPSK	26065	1RB#24	24.14	PASS
Band25	5MHz	QPSK	26065	12RB#0	23.18	PASS
Band25	5MHz	QPSK	26065	12RB#6	23.17	PASS
Band25	5MHz	QPSK	26065	12RB#13	23.19	PASS
Band25	5MHz	QPSK	26065	25RB#0	23.21	PASS
Band25	5MHz	QPSK	26365	1RB#0	23.96	PASS
Band25	5MHz	QPSK	26365	1RB#12	24.24	PASS
Band25	5MHz	QPSK	26365	1RB#24	24.07	PASS
Band25	5MHz	QPSK	26365	12RB#0	23.20	PASS
Band25	5MHz	QPSK	26365	12RB#6	23.20	PASS
Band25	5MHz	QPSK	26365	12RB#13	23.36	PASS
Band25	5MHz	QPSK	26365	25RB#0	23.23	PASS
Band25	5MHz	QPSK	26665	1RB#0	24.68	PASS
Band25	5MHz	QPSK	26665	1RB#12	24.66	PASS
Band25	5MHz	QPSK	26665	1RB#24	24.76	PASS
Band25	5MHz	QPSK	26665	12RB#0	23.69	PASS
Band25	5MHz	QPSK	26665	12RB#6	23.63	PASS
Band25	5MHz	QPSK	26665	12RB#13	23.54	PASS
Band25	5MHz	QPSK	26665	25RB#0	23.67	PASS
Band25	5MHz	16QAM	26065	1RB#0	23.32	PASS
Band25	5MHz	16QAM	26065	1RB#12	23.31	PASS
Band25	5MHz	16QAM	26065	1RB#24	23.46	PASS
Band25	5MHz	16QAM	26065	12RB#0	23.17	PASS
Band25	5MHz	16QAM	26065	12RB#6	23.16	PASS
Band25	5MHz	16QAM	26065	12RB#13	23.19	PASS
Band25	5MHz	16QAM	26065	25RB#0	22.01	PASS
Band25	5MHz	16QAM	26365	1RB#0	23.17	PASS

Band25	5MHz	16QAM	26365	1RB#12	23.55	PASS
Band25	5MHz	16QAM	26365	1RB#24	23.53	PASS
Band25	5MHz	16QAM	26365	12RB#0	23.20	PASS
Band25	5MHz	16QAM	26365	12RB#6	23.20	PASS
Band25	5MHz	16QAM	26365	12RB#13	23.36	PASS
Band25	5MHz	16QAM	26365	25RB#0	22.28	PASS
Band25	5MHz	16QAM	26665	1RB#0	23.48	PASS
Band25	5MHz	16QAM	26665	1RB#12	23.67	PASS
Band25	5MHz	16QAM	26665	1RB#24	23.49	PASS
Band25	5MHz	16QAM	26665	12RB#0	23.62	PASS
Band25	5MHz	16QAM	26665	12RB#6	23.63	PASS
Band25	5MHz	16QAM	26665	12RB#13	23.59	PASS
Band25	5MHz	16QAM	26665	25RB#0	22.62	PASS
Band25	10MHz	QPSK	26090	1RB#0	24.34	PASS
Band25	10MHz	QPSK	26090	1RB#24	24.58	PASS
Band25	10MHz	QPSK	26090	1RB#49	24.11	PASS
Band25	10MHz	QPSK	26090	25RB#0	23.20	PASS
Band25	10MHz	QPSK	26090	25RB#12	23.19	PASS
Band25	10MHz	QPSK	26090	25RB#25	23.26	PASS
Band25	10MHz	QPSK	26090	50RB#0	23.15	PASS
Band25	10MHz	QPSK	26365	1RB#0	24.27	PASS
Band25	10MHz	QPSK	26365	1RB#24	24.38	PASS
Band25	10MHz	QPSK	26365	1RB#49	24.43	PASS
Band25	10MHz	QPSK	26365	25RB#0	23.18	PASS
Band25	10MHz	QPSK	26365	25RB#12	23.19	PASS
Band25	10MHz	QPSK	26365	25RB#25	23.42	PASS
Band25	10MHz	QPSK	26365	50RB#0	23.21	PASS
Band25	10MHz	QPSK	26640	1RB#0	24.34	PASS
Band25	10MHz	QPSK	26640	1RB#24	24.56	PASS
Band25	10MHz	QPSK	26640	1RB#49	24.47	PASS
Band25	10MHz	QPSK	26640	25RB#0	23.48	PASS
Band25	10MHz	QPSK	26640	25RB#12	23.53	PASS
Band25	10MHz	QPSK	26640	25RB#25	23.68	PASS
Band25	10MHz	QPSK	26640	50RB#0	23.71	PASS
Band25	10MHz	16QAM	26090	1RB#0	23.45	PASS
Band25	10MHz	16QAM	26090	1RB#24	23.21	PASS
Band25	10MHz	16QAM	26090	1RB#49	22.82	PASS
Band25	10MHz	16QAM	26090	25RB#0	23.20	PASS

Band25	10MHz	16QAM	26090	25RB#12	23.19	PASS
Band25	10MHz	16QAM	26090	25RB#25	23.25	PASS
Band25	10MHz	16QAM	26090	50RB#0	22.09	PASS
Band25	10MHz	16QAM	26365	1RB#0	24.10	PASS
Band25	10MHz	16QAM	26365	1RB#24	23.56	PASS
Band25	10MHz	16QAM	26365	1RB#49	23.67	PASS
Band25	10MHz	16QAM	26365	25RB#0	23.19	PASS
Band25	10MHz	16QAM	26365	25RB#12	23.19	PASS
Band25	10MHz	16QAM	26365	25RB#25	23.42	PASS
Band25	10MHz	16QAM	26365	50RB#0	22.24	PASS
Band25	10MHz	16QAM	26640	1RB#0	23.43	PASS
Band25	10MHz	16QAM	26640	1RB#24	24.02	PASS
Band25	10MHz	16QAM	26640	1RB#49	23.70	PASS
Band25	10MHz	16QAM	26640	25RB#0	23.52	PASS
Band25	10MHz	16QAM	26640	25RB#12	23.53	PASS
Band25	10MHz	16QAM	26640	25RB#25	23.64	PASS
Band25	10MHz	16QAM	26640	50RB#0	22.67	PASS
Band25	15MHz	QPSK	26115	1RB#0	24.06	PASS
Band25	15MHz	QPSK	26115	1RB#38	24.04	PASS
Band25	15MHz	QPSK	26115	1RB#74	23.69	PASS
Band25	15MHz	QPSK	26115	38RB#0	23.03	PASS
Band25	15MHz	QPSK	26115	38RB#18	23.17	PASS
Band25	15MHz	QPSK	26115	38RB#37	22.65	PASS
Band25	15MHz	QPSK	26115	75RB#0	23.14	PASS
Band25	15MHz	QPSK	26365	1RB#0	24.17	PASS
Band25	15MHz	QPSK	26365	1RB#38	24.33	PASS
Band25	15MHz	QPSK	26365	1RB#74	24.31	PASS
Band25	15MHz	QPSK	26365	38RB#0	23.04	PASS
Band25	15MHz	QPSK	26365	38RB#18	23.87	PASS
Band25	15MHz	QPSK	26365	38RB#37	23.98	PASS
Band25	15MHz	QPSK	26365	75RB#0	23.17	PASS
Band25	15MHz	QPSK	26615	1RB#0	24.25	PASS
Band25	15MHz	QPSK	26615	1RB#38	24.54	PASS
Band25	15MHz	QPSK	26615	1RB#74	24.42	PASS
Band25	15MHz	QPSK	26615	38RB#0	23.36	PASS
Band25	15MHz	QPSK	26615	38RB#18	23.78	PASS
Band25	15MHz	QPSK	26615	38RB#37	23.47	PASS
Band25	15MHz	QPSK	26615	75RB#0	23.61	PASS

Band25	15MHz	16QAM	26115	1RB#0	23.21	PASS
Band25	15MHz	16QAM	26115	1RB#38	23.21	PASS
Band25	15MHz	16QAM	26115	1RB#74	22.86	PASS
Band25	15MHz	16QAM	26115	38RB#0	23.04	PASS
Band25	15MHz	16QAM	26115	38RB#18	23.16	PASS
Band25	15MHz	16QAM	26115	38RB#37	22.63	PASS
Band25	15MHz	16QAM	26115	75RB#0	22.16	PASS
Band25	15MHz	16QAM	26365	1RB#0	23.06	PASS
Band25	15MHz	16QAM	26365	1RB#38	23.11	PASS
Band25	15MHz	16QAM	26365	1RB#74	23.18	PASS
Band25	15MHz	16QAM	26365	38RB#0	23.04	PASS
Band25	15MHz	16QAM	26365	38RB#18	24.05	PASS
Band25	15MHz	16QAM	26365	38RB#37	23.89	PASS
Band25	15MHz	16QAM	26365	75RB#0	22.21	PASS
Band25	15MHz	16QAM	26615	1RB#0	23.39	PASS
Band25	15MHz	16QAM	26615	1RB#38	23.62	PASS
Band25	15MHz	16QAM	26615	1RB#74	23.49	PASS
Band25	15MHz	16QAM	26615	38RB#0	23.41	PASS
Band25	15MHz	16QAM	26615	38RB#18	23.78	PASS
Band25	15MHz	16QAM	26615	38RB#37	23.50	PASS
Band25	15MHz	16QAM	26615	75RB#0	22.54	PASS
Band25	20MHz	QPSK	26140	1RB#0	24.18	PASS
Band25	20MHz	QPSK	26140	1RB#49	24.33	PASS
Band25	20MHz	QPSK	26140	1RB#99	24.05	PASS
Band25	20MHz	QPSK	26140	50RB#0	23.17	PASS
Band25	20MHz	QPSK	26140	50RB#25	23.17	PASS
Band25	20MHz	QPSK	26140	50RB#50	22.99	PASS
Band25	20MHz	QPSK	26140	100RB#0	23.11	PASS
Band25	20MHz	QPSK	26365	1RB#0	24.01	PASS
Band25	20MHz	QPSK	26365	1RB#49	24.67	PASS
Band25	20MHz	QPSK	26365	1RB#99	24.39	PASS
Band25	20MHz	QPSK	26365	50RB#0	23.01	PASS
Band25	20MHz	QPSK	26365	50RB#25	23.04	PASS
Band25	20MHz	QPSK	26365	50RB#50	23.40	PASS
Band25	20MHz	QPSK	26365	100RB#0	23.17	PASS
Band25	20MHz	QPSK	26590	1RB#0	24.19	PASS
Band25	20MHz	QPSK	26590	1RB#49	24.41	PASS
Band25	20MHz	QPSK	26590	1RB#99	24.33	PASS

Band25	20MHz	QPSK	26590	50RB#0	23.26	PASS
Band25	20MHz	QPSK	26590	50RB#25	23.31	PASS
Band25	20MHz	QPSK	26590	50RB#50	23.41	PASS
Band25	20MHz	QPSK	26590	100RB#0	23.38	PASS
Band25	20MHz	16QAM	26140	1RB#0	24.07	PASS
Band25	20MHz	16QAM	26140	1RB#49	23.80	PASS
Band25	20MHz	16QAM	26140	1RB#99	23.90	PASS
Band25	20MHz	16QAM	26140	50RB#0	23.18	PASS
Band25	20MHz	16QAM	26140	50RB#25	23.18	PASS
Band25	20MHz	16QAM	26140	50RB#50	22.97	PASS
Band25	20MHz	16QAM	26140	100RB#0	22.24	PASS
Band25	20MHz	16QAM	26365	1RB#0	22.93	PASS
Band25	20MHz	16QAM	26365	1RB#49	23.18	PASS
Band25	20MHz	16QAM	26365	1RB#99	23.38	PASS
Band25	20MHz	16QAM	26365	50RB#0	23.04	PASS
Band25	20MHz	16QAM	26365	50RB#25	23.04	PASS
Band25	20MHz	16QAM	26365	50RB#50	23.39	PASS
Band25	20MHz	16QAM	26365	100RB#0	22.21	PASS
Band25	20MHz	16QAM	26590	1RB#0	23.33	PASS
Band25	20MHz	16QAM	26590	1RB#49	24.02	PASS
Band25	20MHz	16QAM	26590	1RB#99	23.47	PASS
Band25	20MHz	16QAM	26590	50RB#0	23.31	PASS
Band25	20MHz	16QAM	26590	50RB#25	23.31	PASS
Band25	20MHz	16QAM	26590	50RB#50	23.25	PASS
Band25	20MHz	16QAM	26590	100RB#0	22.33	PASS

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

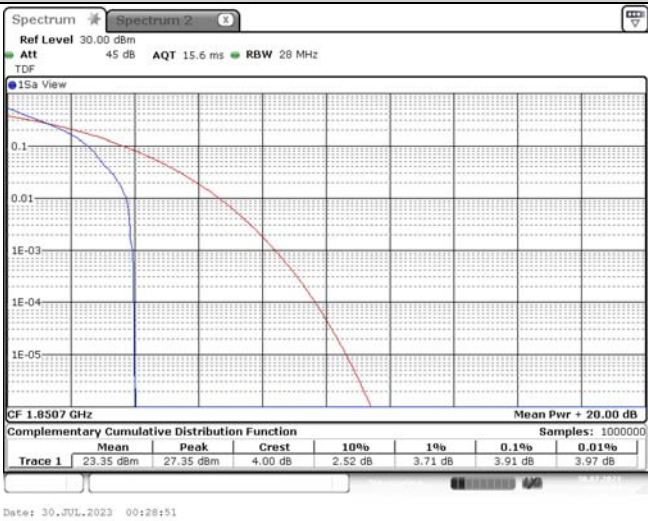
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	1.4MHz	QPSK	26047	1RB#0	3.91	13	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	4.52	13	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	4.49	13	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	5.10	13	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	4.29	13	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	4.84	13	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	4.75	13	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	5.45	13	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	5.22	13	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	6.03	13	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	5.25	13	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	5.68	13	PASS
Band25	3MHz	QPSK	26055	1RB#0	3.88	13	PASS
Band25	3MHz	QPSK	26055	15RB#0	4.55	13	PASS
Band25	3MHz	QPSK	26365	1RB#0	4.49	13	PASS
Band25	3MHz	QPSK	26365	15RB#0	5.19	13	PASS
Band25	3MHz	QPSK	26675	1RB#0	4.43	13	PASS
Band25	3MHz	QPSK	26675	15RB#0	4.90	13	PASS
Band25	3MHz	16QAM	26055	1RB#0	4.35	13	PASS
Band25	3MHz	16QAM	26055	15RB#0	5.48	13	PASS
Band25	3MHz	16QAM	26365	1RB#0	5.42	13	PASS
Band25	3MHz	16QAM	26365	15RB#0	6.03	13	PASS
Band25	3MHz	16QAM	26675	1RB#0	5.51	13	PASS
Band25	3MHz	16QAM	26675	15RB#0	5.77	13	PASS
Band25	5MHz	QPSK	26065	1RB#0	3.94	13	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.70	13	PASS
Band25	5MHz	QPSK	26365	1RB#0	4.43	13	PASS
Band25	5MHz	QPSK	26365	25RB#0	5.19	13	PASS
Band25	5MHz	QPSK	26665	1RB#0	4.43	13	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.96	13	PASS
Band25	5MHz	16QAM	26065	1RB#0	4.70	13	PASS
Band25	5MHz	16QAM	26065	25RB#0	5.51	13	PASS
Band25	5MHz	16QAM	26365	1RB#0	5.57	13	PASS
Band25	5MHz	16QAM	26365	25RB#0	6.00	13	PASS

Band25	5MHz	16QAM	26665	1RB#0	5.25	13	PASS
Band25	5MHz	16QAM	26665	25RB#0	5.80	13	PASS
Band25	10MHz	QPSK	26090	1RB#0	3.77	13	PASS
Band25	10MHz	QPSK	26090	50RB#0	4.87	13	PASS
Band25	10MHz	QPSK	26365	1RB#0	4.43	13	PASS
Band25	10MHz	QPSK	26365	50RB#0	5.10	13	PASS
Band25	10MHz	QPSK	26640	1RB#0	4.38	13	PASS
Band25	10MHz	QPSK	26640	50RB#0	5.10	13	PASS
Band25	10MHz	16QAM	26090	1RB#0	4.43	13	PASS
Band25	10MHz	16QAM	26090	50RB#0	5.74	13	PASS
Band25	10MHz	16QAM	26365	1RB#0	5.36	13	PASS
Band25	10MHz	16QAM	26365	50RB#0	6.03	13	PASS
Band25	10MHz	16QAM	26640	1RB#0	5.36	13	PASS
Band25	10MHz	16QAM	26640	50RB#0	5.91	13	PASS
Band25	15MHz	QPSK	26115	1RB#0	3.80	13	PASS
Band25	15MHz	QPSK	26115	75RB#0	5.16	13	PASS
Band25	15MHz	QPSK	26365	1RB#0	4.55	13	PASS
Band25	15MHz	QPSK	26365	75RB#0	5.22	13	PASS
Band25	15MHz	QPSK	26615	1RB#0	4.70	13	PASS
Band25	15MHz	QPSK	26615	75RB#0	5.04	13	PASS
Band25	15MHz	16QAM	26115	1RB#0	4.78	13	PASS
Band25	15MHz	16QAM	26115	75RB#0	5.94	13	PASS
Band25	15MHz	16QAM	26365	1RB#0	5.42	13	PASS
Band25	15MHz	16QAM	26365	75RB#0	6.06	13	PASS
Band25	15MHz	16QAM	26615	1RB#0	5.51	13	PASS
Band25	15MHz	16QAM	26615	75RB#0	5.86	13	PASS
Band25	20MHz	QPSK	26140	1RB#0	3.83	13	PASS
Band25	20MHz	QPSK	26140	100RB#0	5.04	13	PASS
Band25	20MHz	QPSK	26365	1RB#0	4.52	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	5.01	13	PASS
Band25	20MHz	QPSK	26590	1RB#0	4.52	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	4.81	13	PASS
Band25	20MHz	16QAM	26140	1RB#0	4.87	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	5.94	13	PASS
Band25	20MHz	16QAM	26365	1RB#0	5.36	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	5.94	13	PASS
Band25	20MHz	16QAM	26590	1RB#0	5.42	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	5.77	13	PASS

Test Graphs

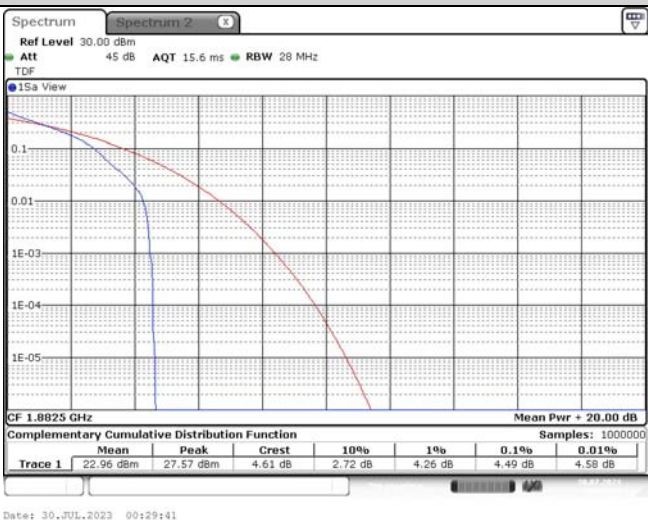
Band25-1.4MHz-QPSK-26047-1RB#0



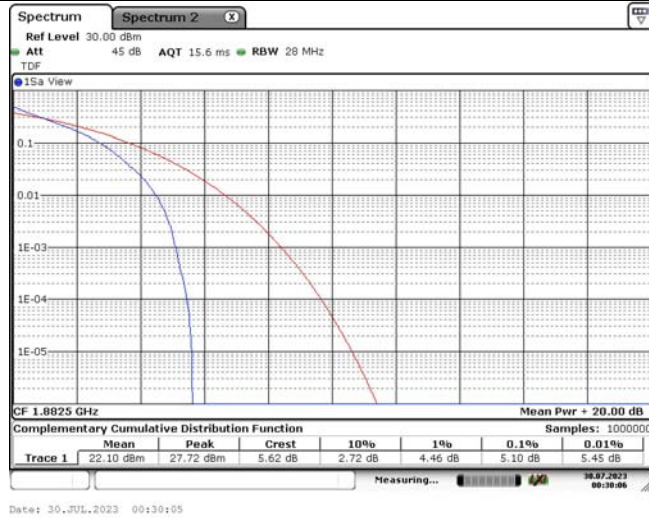
Band25-1.4MHz-QPSK-26047-6RB#0



Band25-1.4MHz-QPSK-26365-1RB#0



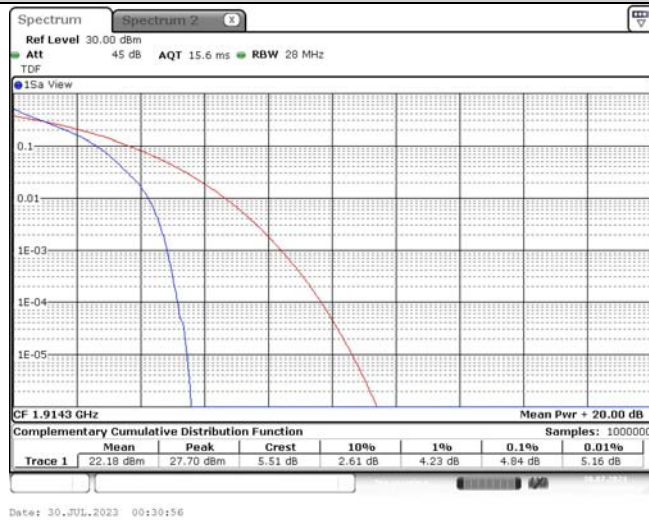
Band25-1.4MHz-QPSK-26365-6RB#0



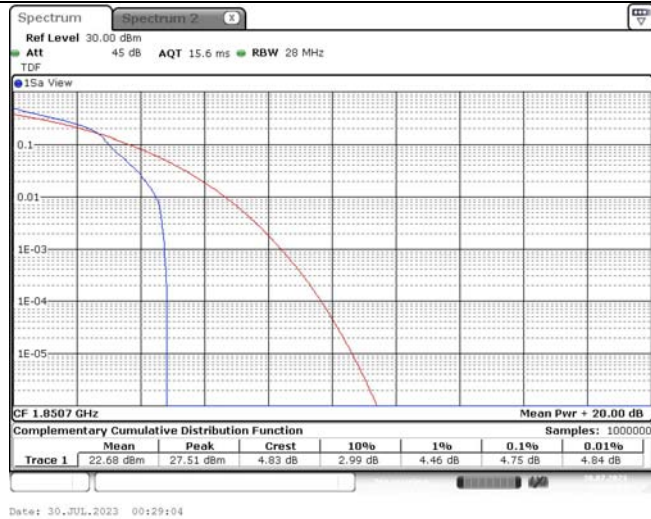
Band25-1.4MHz-QPSK-26683-1RB#0



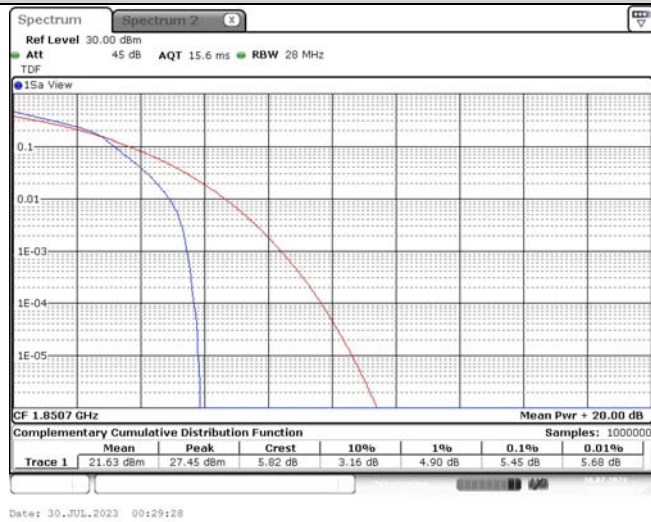
Band25-1.4MHz-QPSK-26683-6RB#0



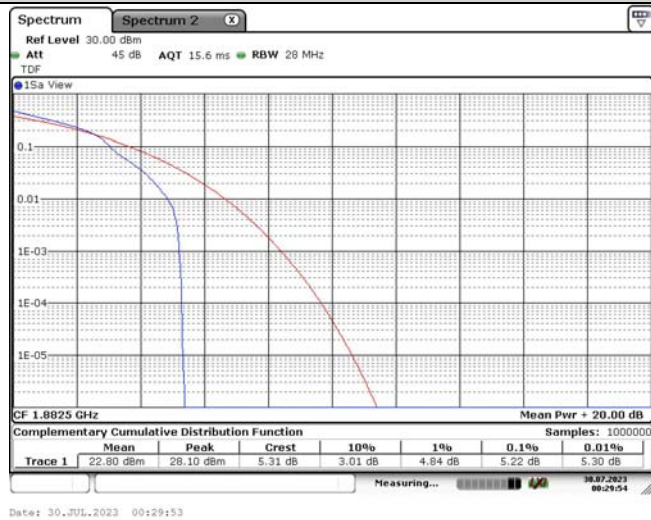
Band25-1.4MHz-16QAM-26047-1RB#0



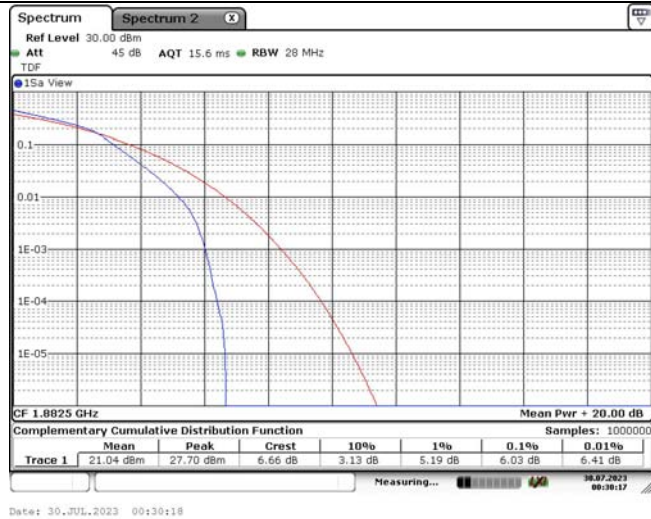
Band25-1.4MHz-16QAM-26047-6RB#0



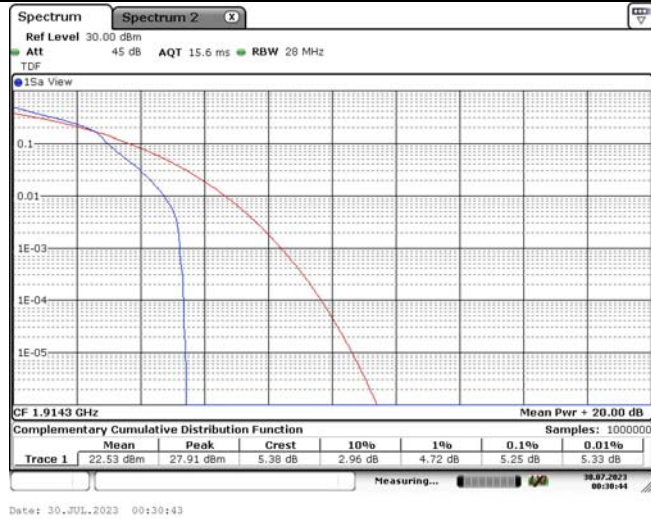
Band25-1.4MHz-16QAM-26365-1RB#0



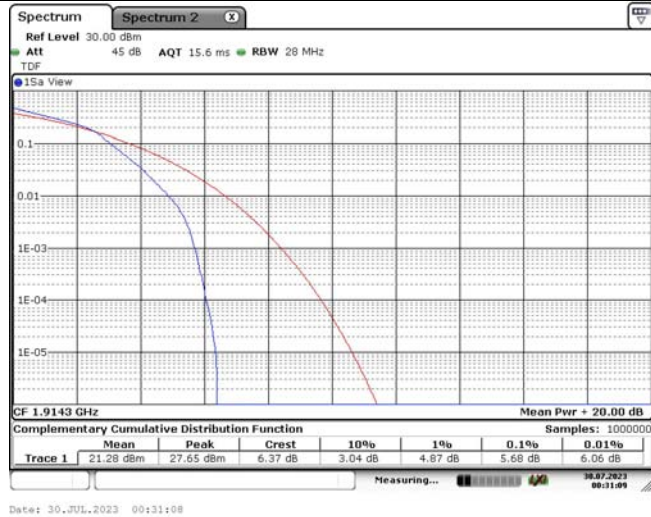
Band25-1.4MHz-16QAM-26365-6RB#0



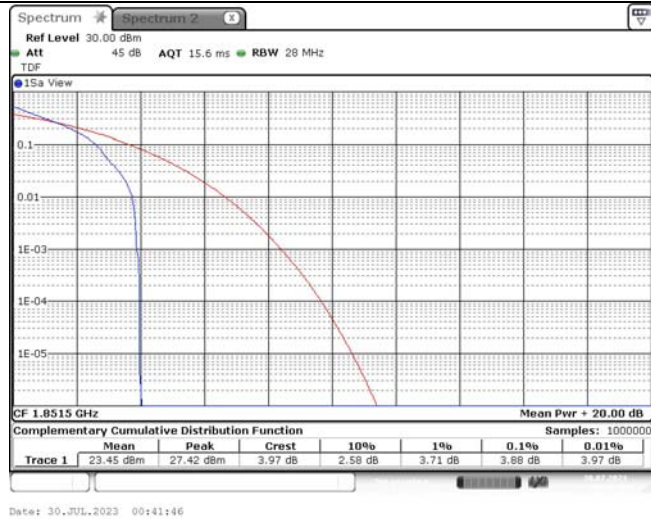
Band25-1.4MHz-16QAM-26683-1RB#0



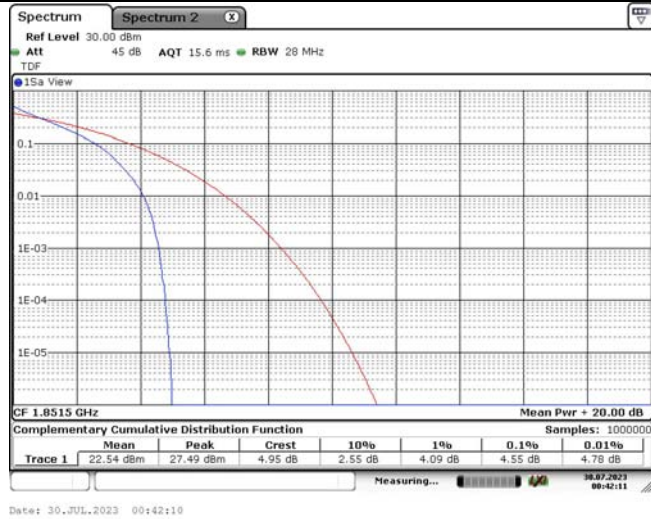
Band25-1.4MHz-16QAM-26683-6RB#0



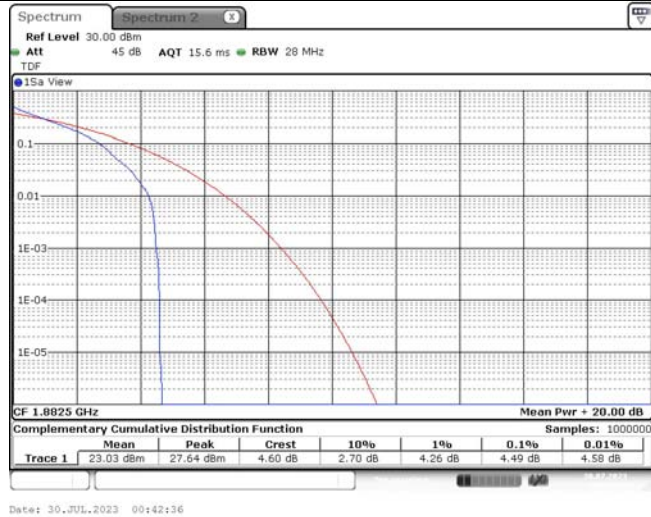
Band25-3MHz-QPSK-26055-1RB#0



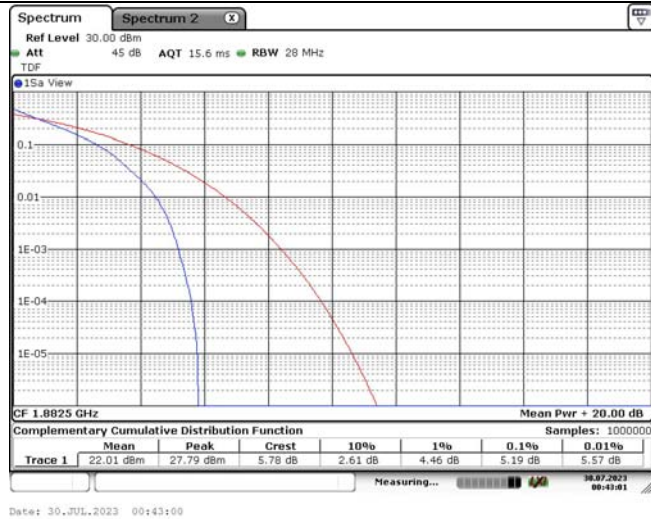
Band25-3MHz-QPSK-26055-15RB#0



Band25-3MHz-QPSK-26365-1RB#0



Band25-3MHz-QPSK-26365-15RB#0



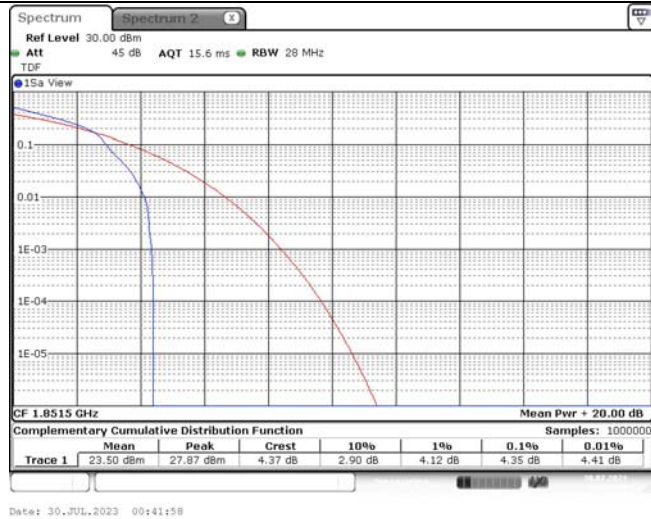
Band25-3MHz-QPSK-26675-1RB#0



Band25-3MHz-QPSK-26675-15RB#0



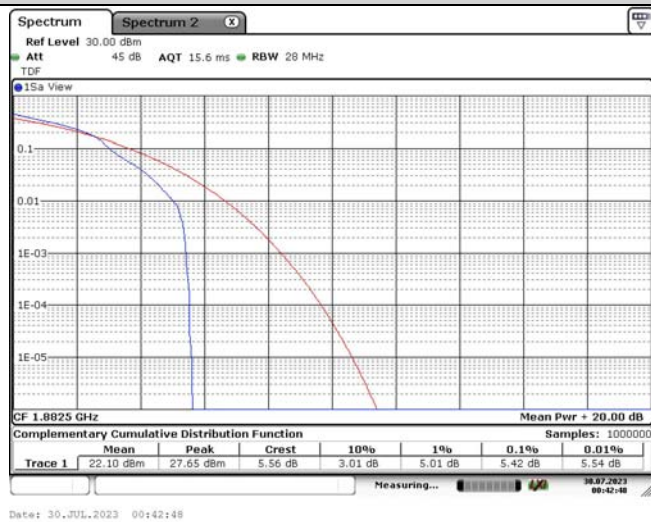
Band25-3MHz-16QAM-26055-1RB#0



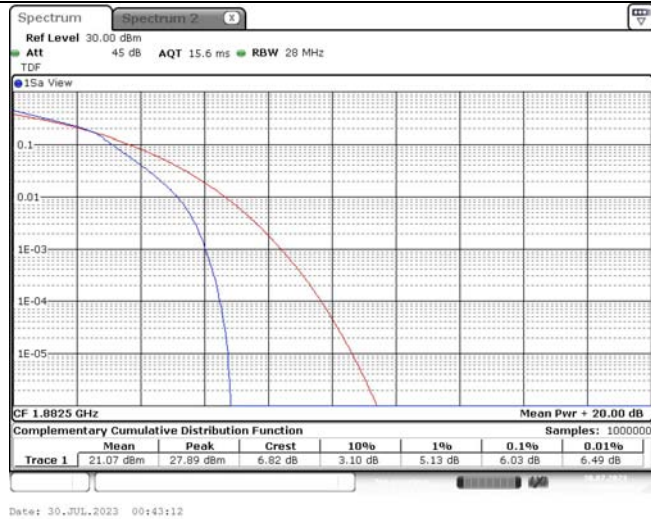
Band25-3MHz-16QAM-26055-15RB#0



Band25-3MHz-16QAM-26365-1RB#0



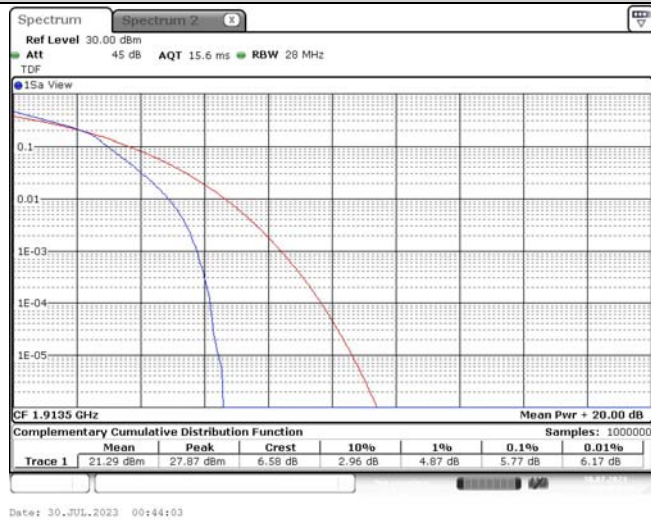
Band25-3MHz-16QAM-26365-15RB#0



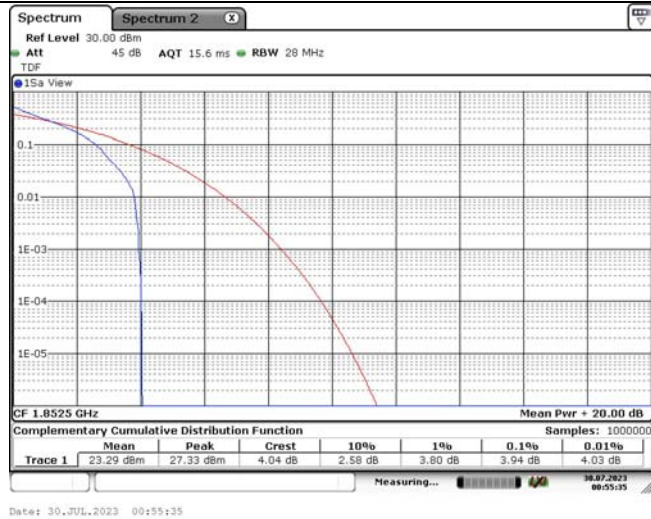
Band25-3MHz-16QAM-26675-1RB#0



Band25-3MHz-16QAM-26675-15RB#0



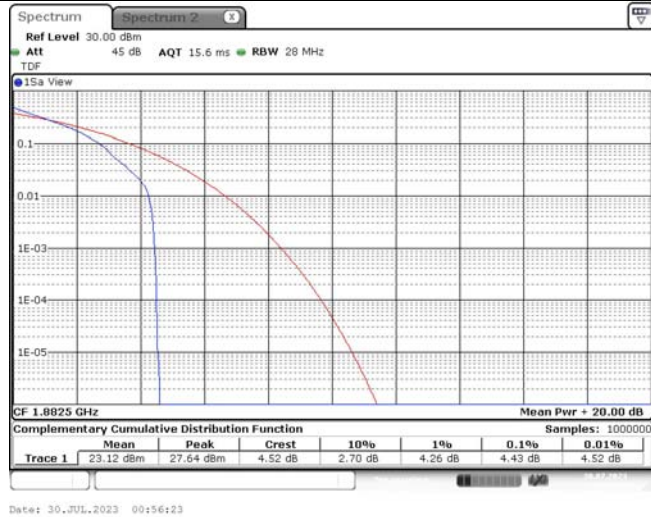
Band25-5MHz-QPSK-26065-1RB#0



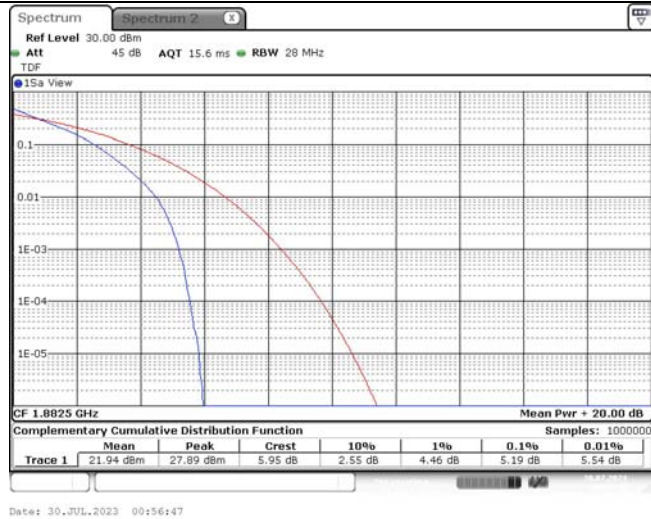
Band25-5MHz-QPSK-26065-25RB#0



Band25-5MHz-QPSK-26365-1RB#0



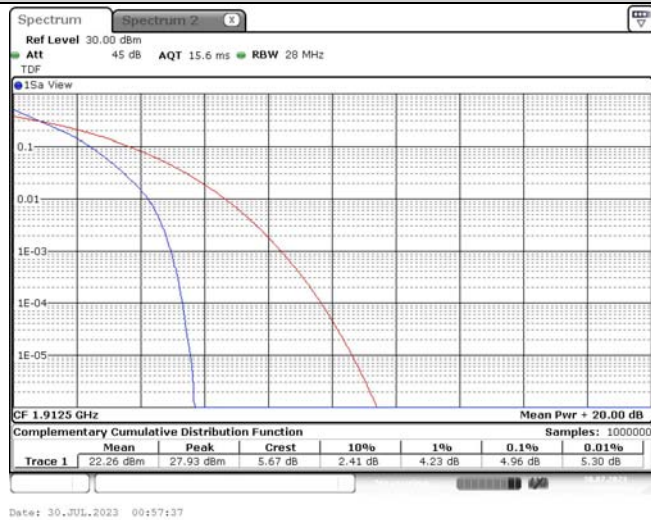
Band25-5MHz-QPSK-26365-25RB#0



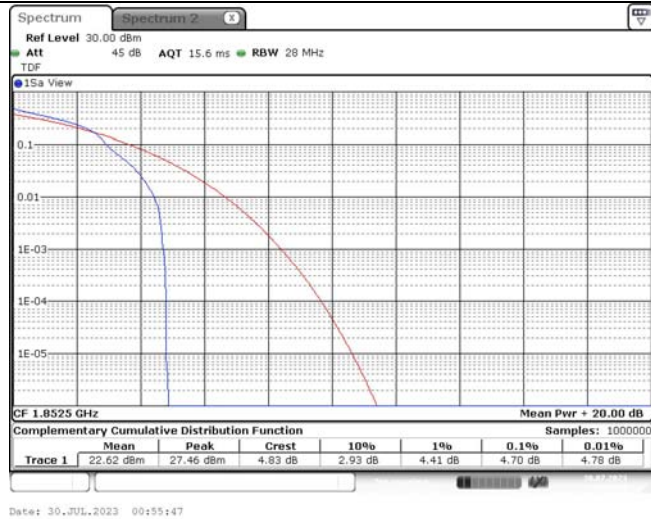
Band25-5MHz-QPSK-26665-1RB#0



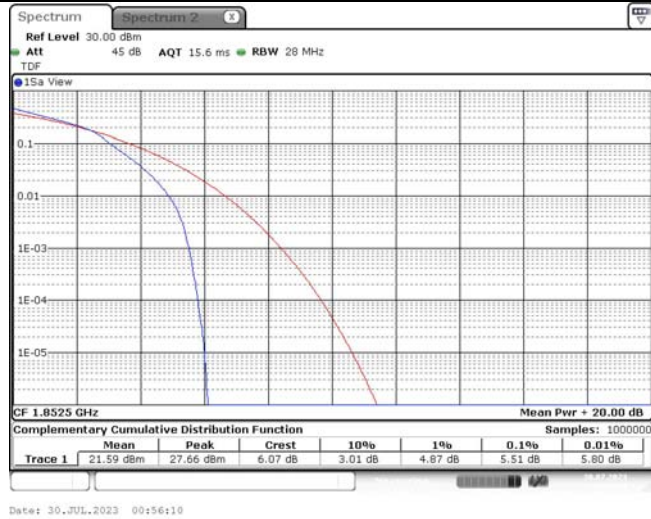
Band25-5MHz-QPSK-26665-25RB#0



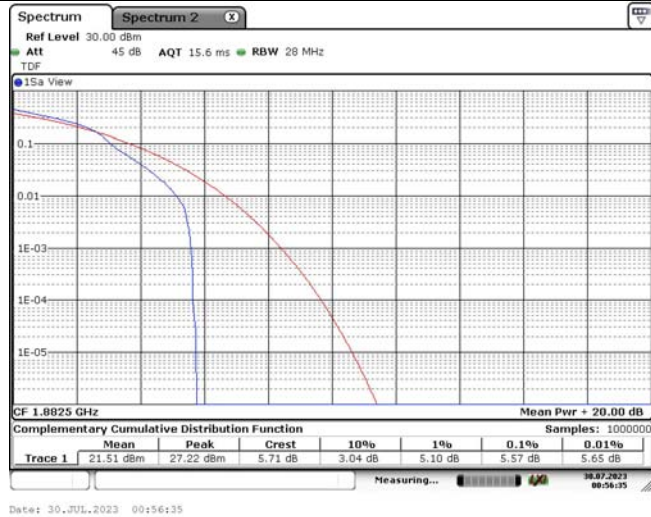
Band25-5MHz-16QAM-26065-1RB#0



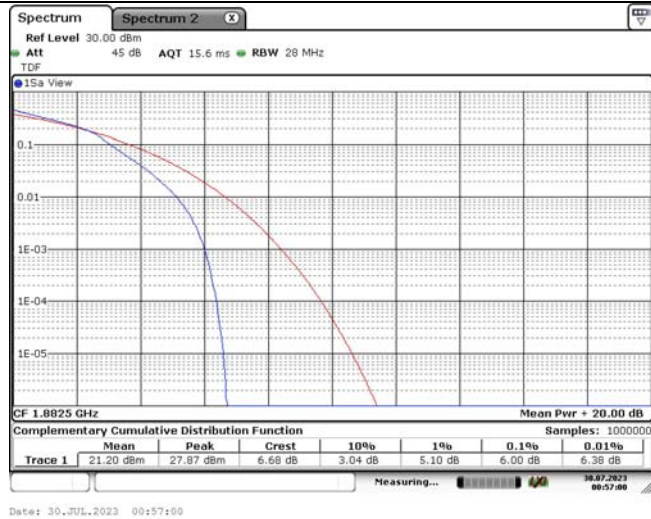
Band25-5MHz-16QAM-26065-25RB#0



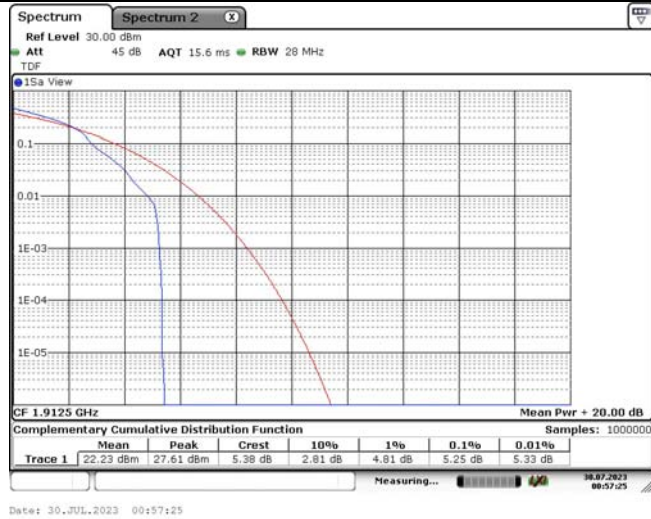
Band25-5MHz-16QAM-26365-1RB#0



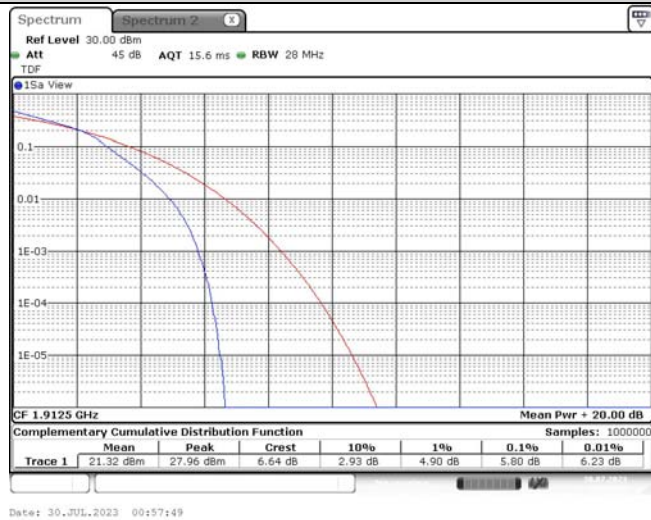
Band25-5MHz-16QAM-26365-25RB#0



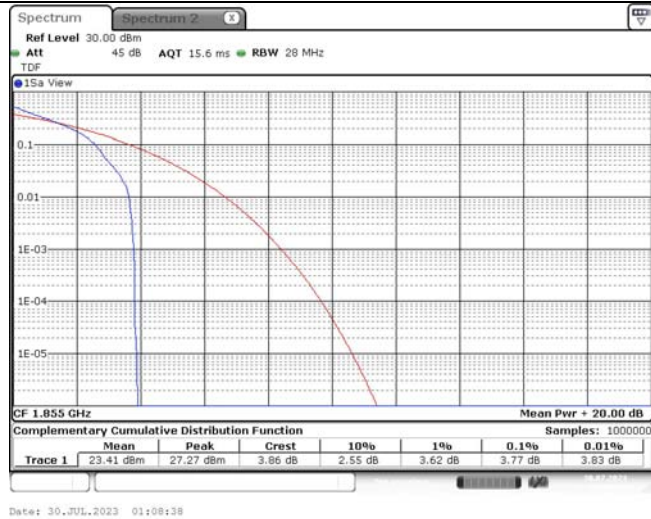
Band25-5MHz-16QAM-26665-1RB#0



Band25-5MHz-16QAM-26665-25RB#0



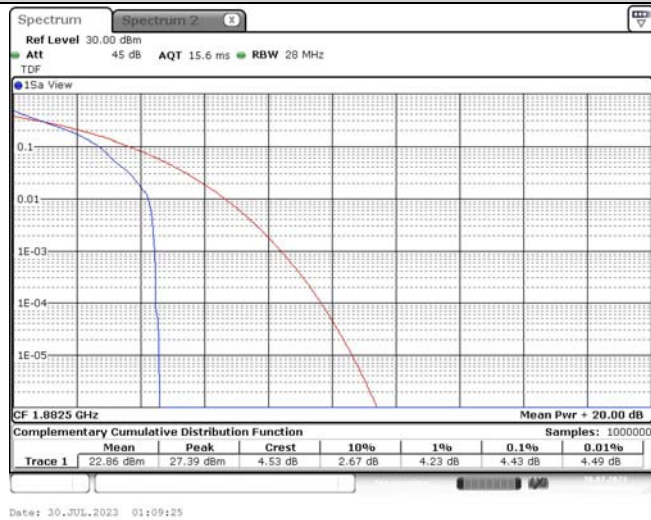
Band25-10MHz-QPSK-26090-1RB#0



Band25-10MHz-QPSK-26090-50RB#0



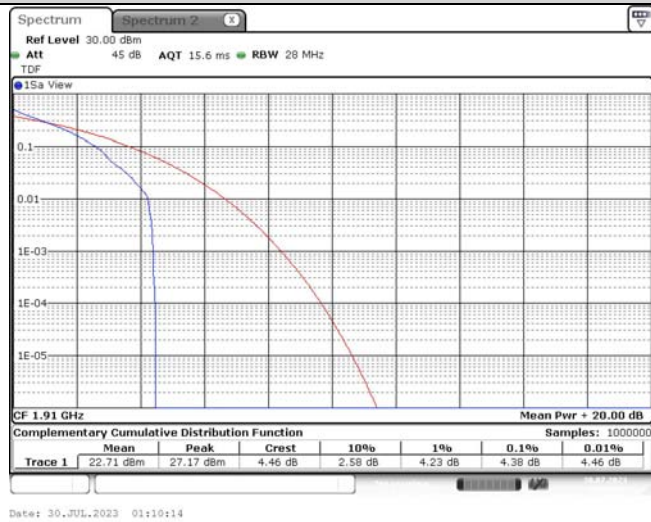
Band25-10MHz-QPSK-26365-1RB#0



Band25-10MHz-QPSK-26365-50RB#0



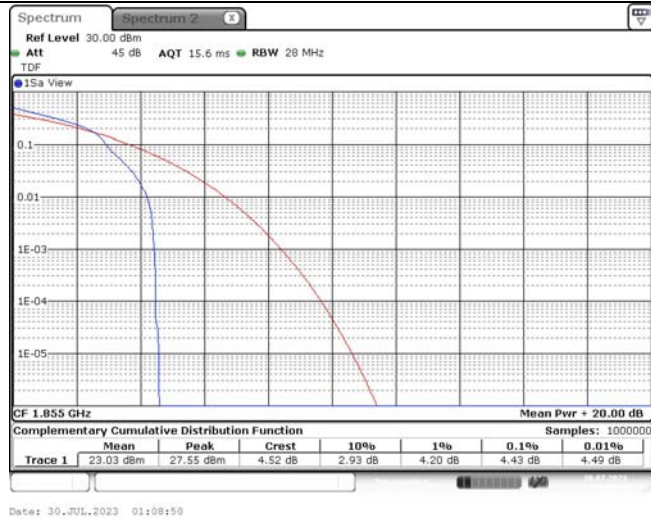
Band25-10MHz-QPSK-26640-1RB#0



Band25-10MHz-QPSK-26640-50RB#0



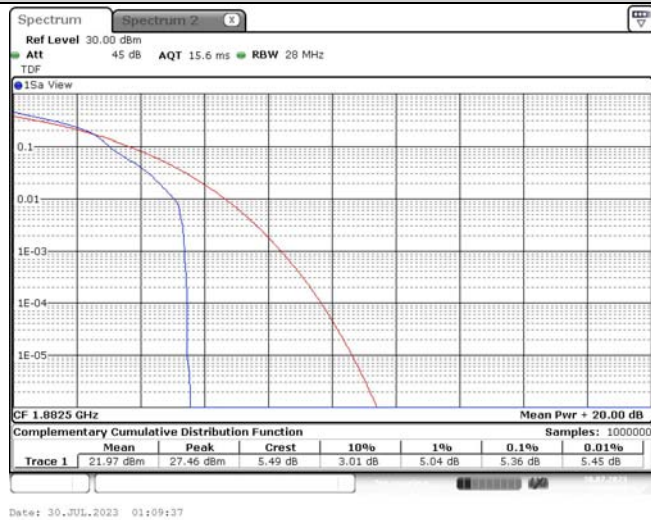
Band25-10MHz-16QAM-26090-1RB#0



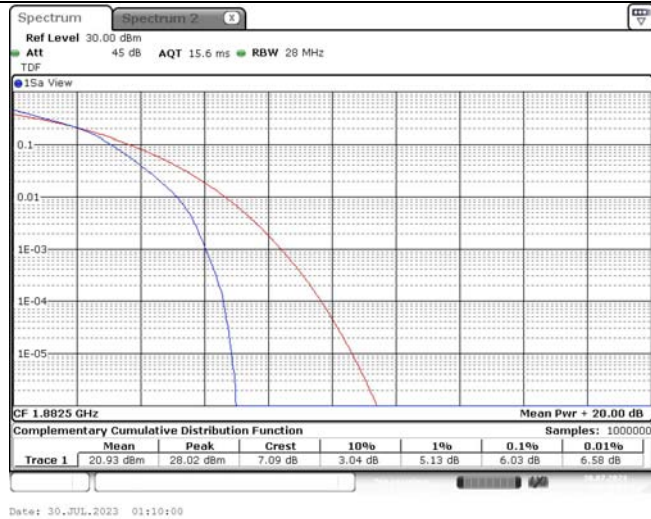
Band25-10MHz-16QAM-26090-50RB#0



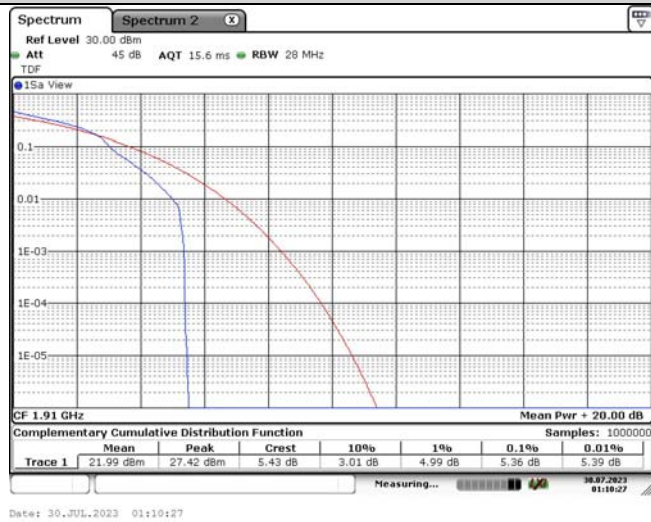
Band25-10MHz-16QAM-26365-1RB#0



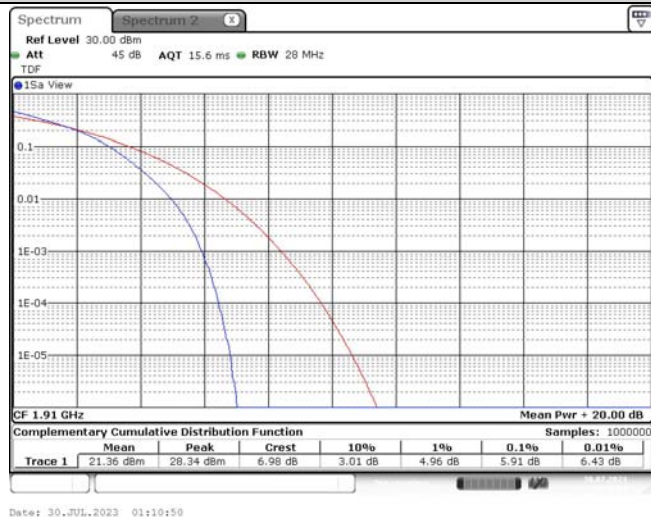
Band25-10MHz-16QAM-26365-50RB#0



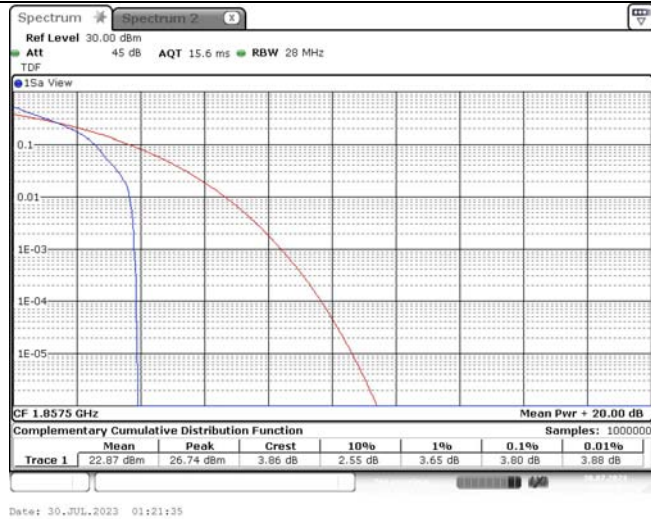
Band25-10MHz-16QAM-26640-1RB#0



Band25-10MHz-16QAM-26640-50RB#0



Band25-15MHz-QPSK-26115-1RB#0



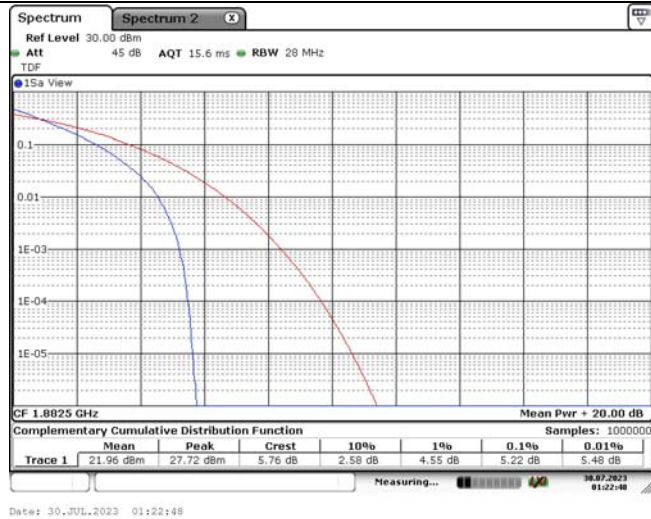
Band25-15MHz-QPSK-26115-75RB#0



Band25-15MHz-QPSK-26365-1RB#0



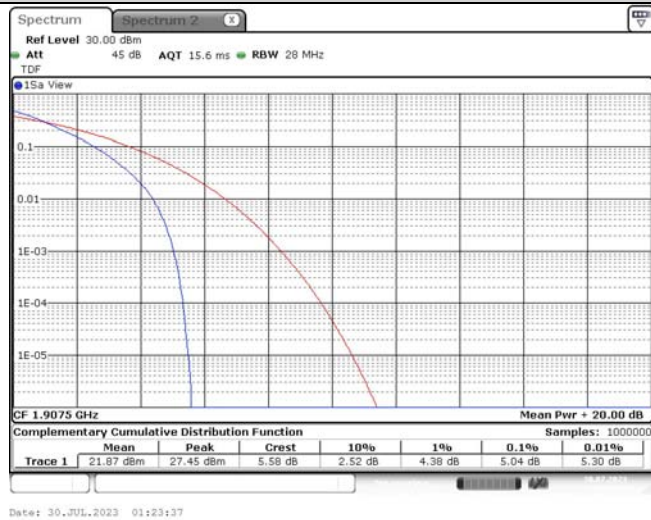
Band25-15MHz-QPSK-26365-75RB#0



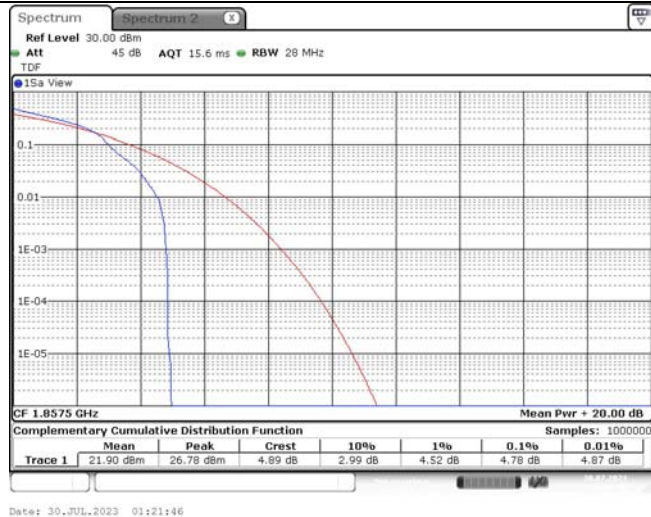
Band25-15MHz-QPSK-26615-1RB#0



Band25-15MHz-QPSK-26615-75RB#0



Band25-15MHz-16QAM-26115-1RB#0



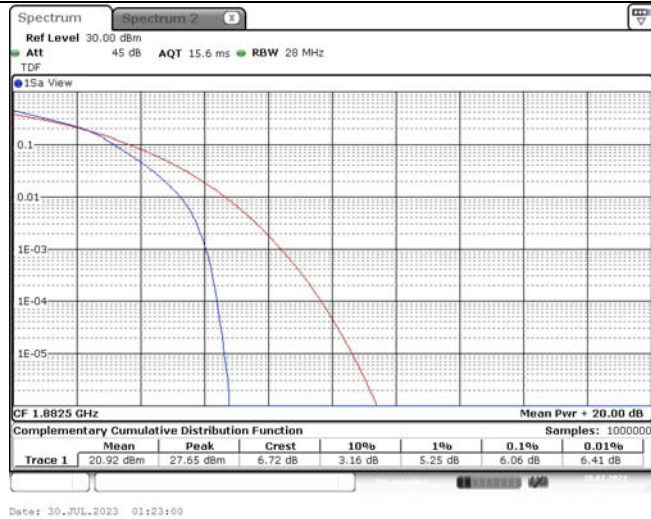
Band25-15MHz-16QAM-26115-75RB#0



Band25-15MHz-16QAM-26365-1RB#0



Band25-15MHz-16QAM-26365-75RB#0



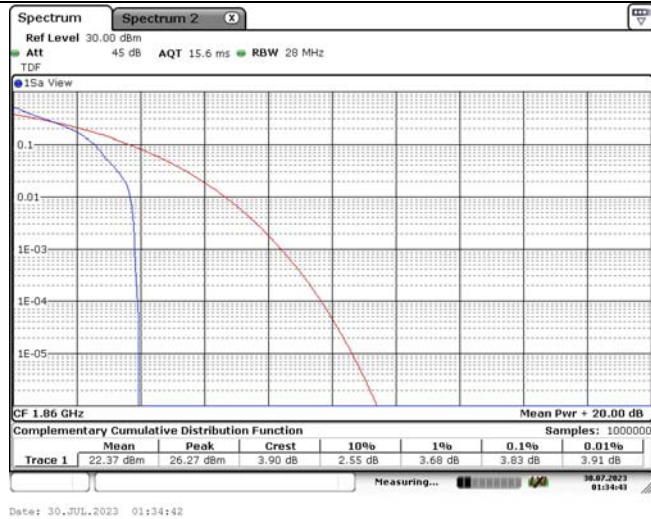
Band25-15MHz-16QAM-26615-1RB#0



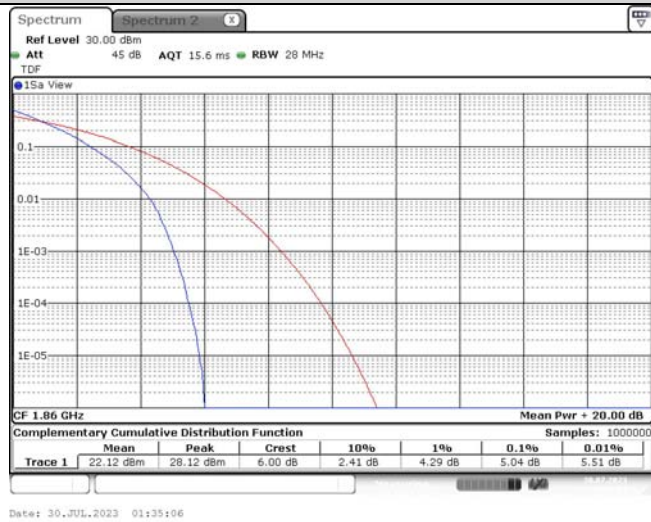
Band25-15MHz-16QAM-26615-75RB#0



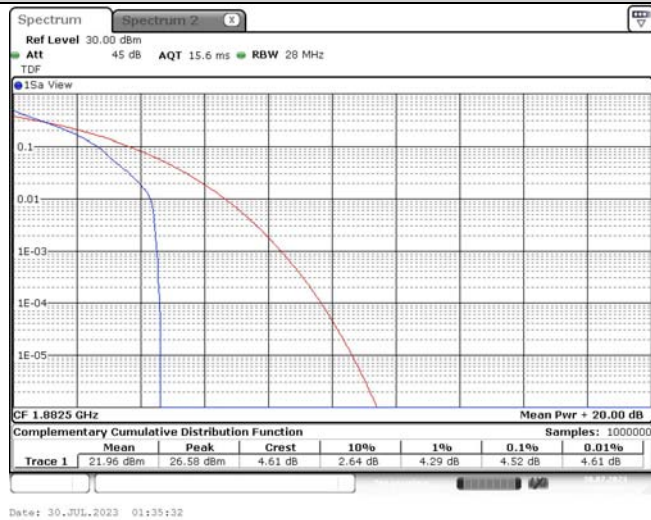
Band25-20MHz-QPSK-26140-1RB#0



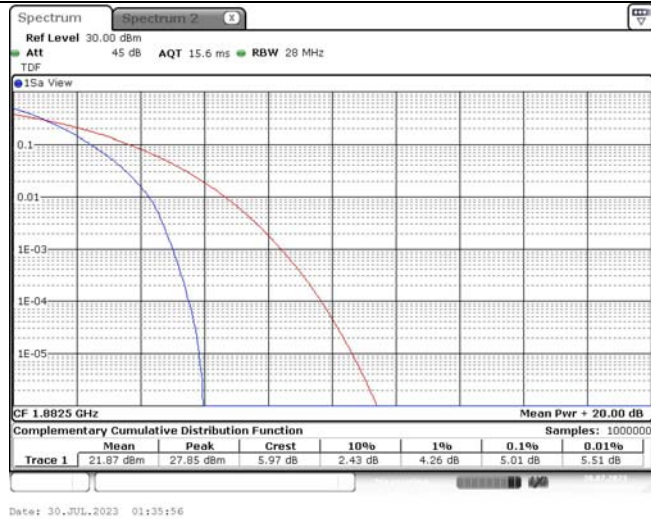
Band25-20MHz-QPSK-26140-100RB#0



Band25-20MHz-QPSK-26365-1RB#0



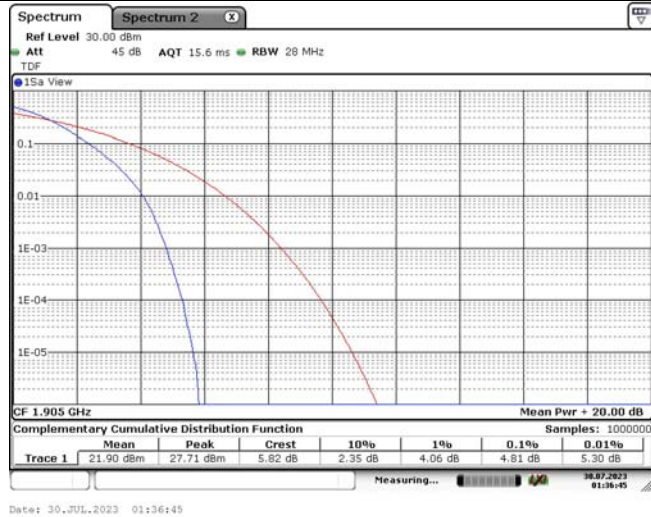
Band25-20MHz-QPSK-26365-100RB#0



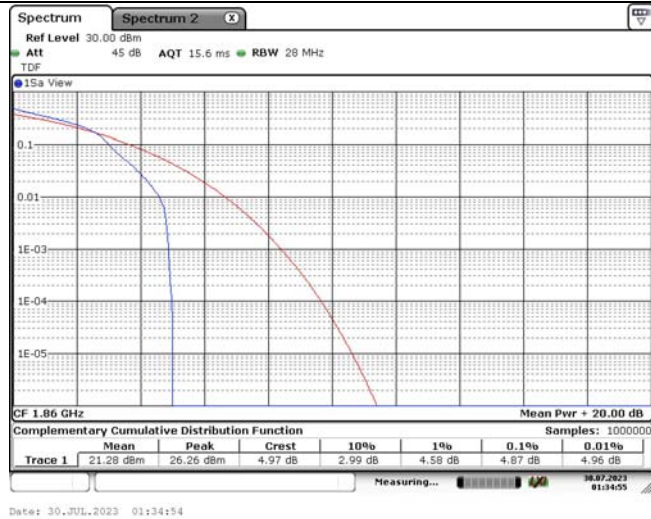
Band25-20MHz-QPSK-26590-1RB#0



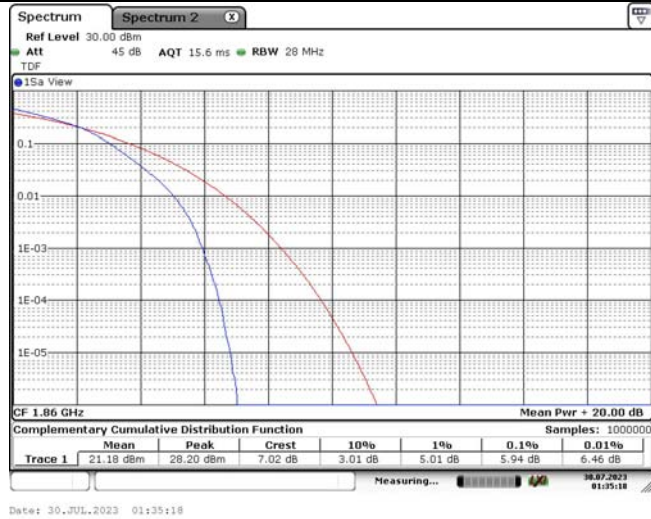
Band25-20MHz-QPSK-26590-100RB#0



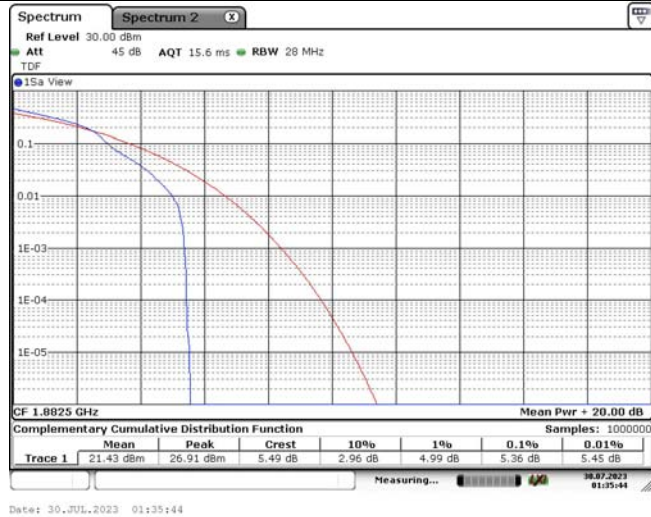
Band25-20MHz-16QAM-26140-1RB#0



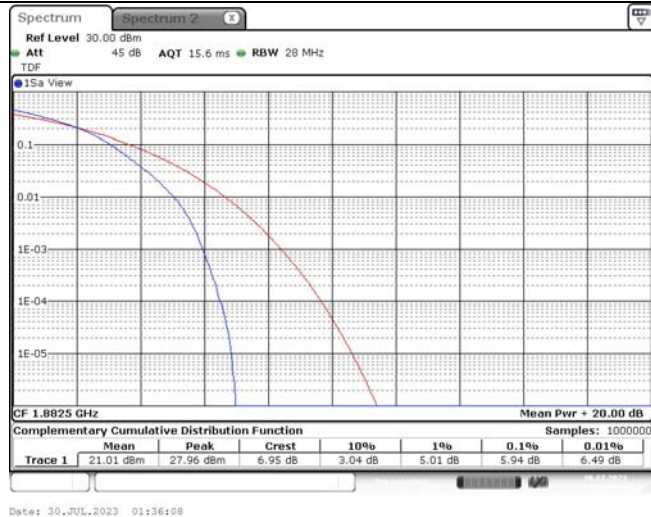
Band25-20MHz-16QAM-26140-100RB#0



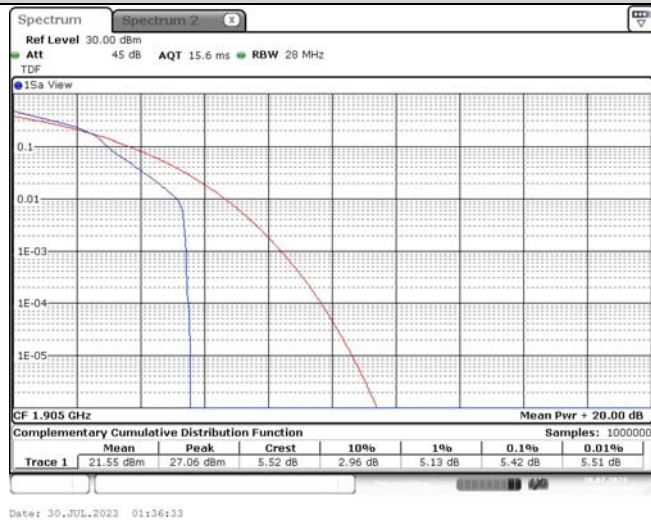
Band25-20MHz-16QAM-26365-1RB#0



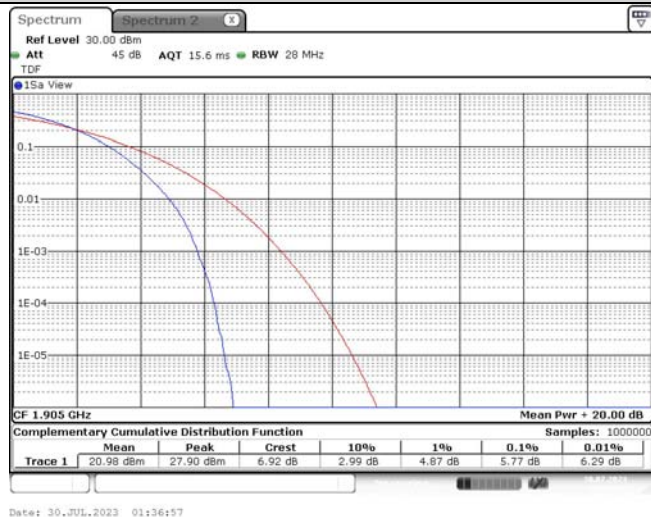
Band25-20MHz-16QAM-26365-100RB#0



Band25-20MHz-16QAM-26590-1RB#0



Band25-20MHz-16QAM-26590-100RB#0



1.3. Appendix C: 26dB Bandwidth and Occupied Bandwidth

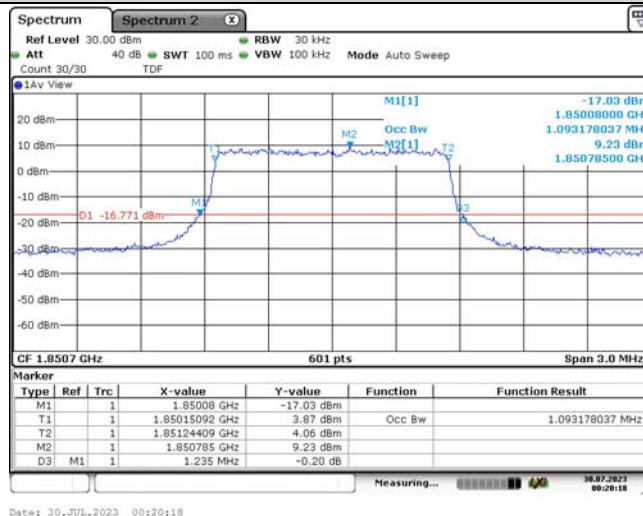
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	1.093	1.235	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.093	1.245	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.093	1.225	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.093	1.245	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.088	1.205	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.088	1.260	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.696	2.870	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.696	2.880	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.696	2.900	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.696	2.890	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.686	2.880	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.696	2.860	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.505	4.810	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.496	4.780	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.496	4.780	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.515	4.790	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.496	4.800	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.505	4.780	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.952	9.567	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.952	9.567	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.952	9.533	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.952	9.533	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.952	9.533	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.952	9.533	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.478	14.300	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.428	14.300	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.428	14.300	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.478	14.300	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.428	14.300	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.428	14.300	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.97	19.333	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.97	19.333	PASS

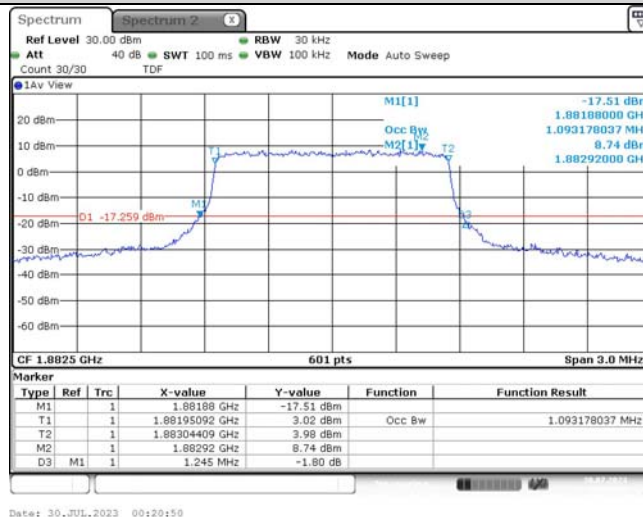
Band25	20MHz	QPSK	26590	100RB#0	17.903	19.267	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.97	19.333	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.97	19.333	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.903	19.267	PASS

Test Graphs

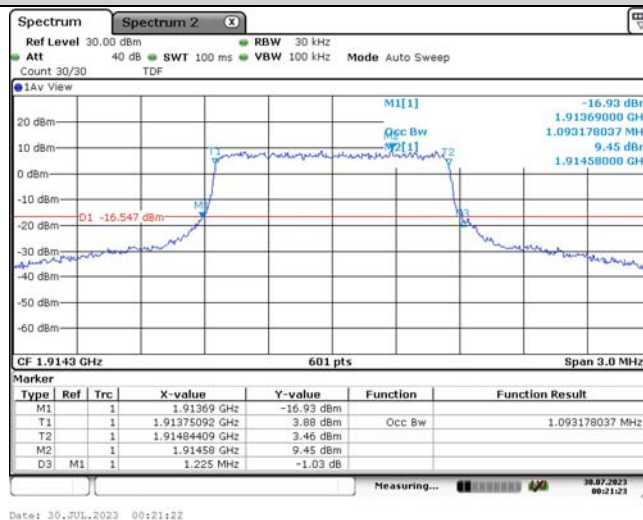
Band25-1.4MHz-QPSK-26047-6RB#0-1.093



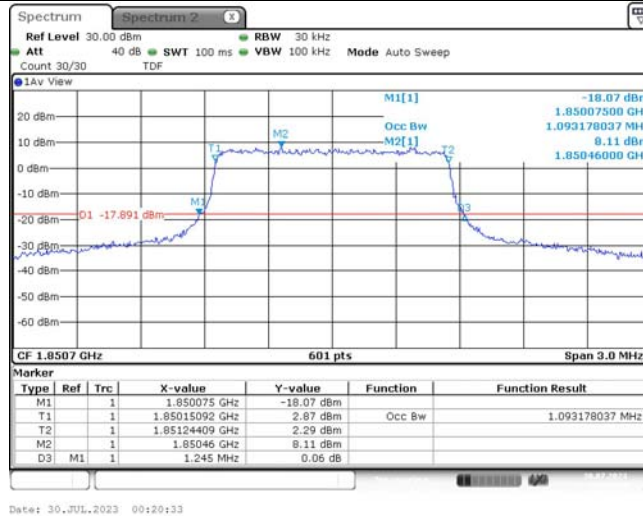
Band25-1.4MHz-QPSK-26365-6RB#0-1.093



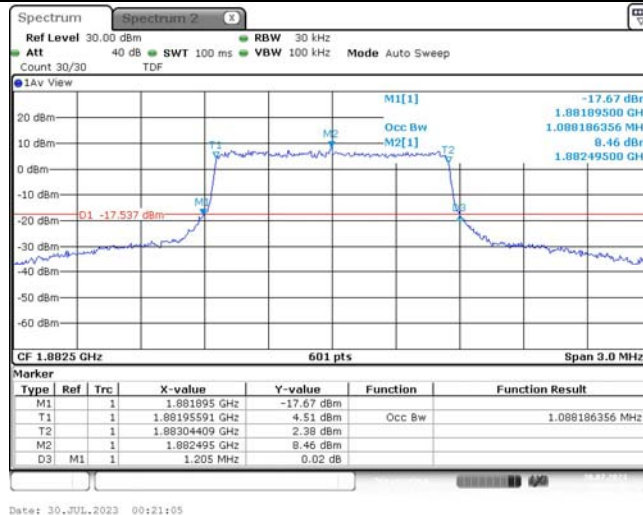
Band25-1.4MHz-QPSK-26683-6RB#0-1.093



Band25-1.4MHz-16QAM-26047-6RB#0-1.093



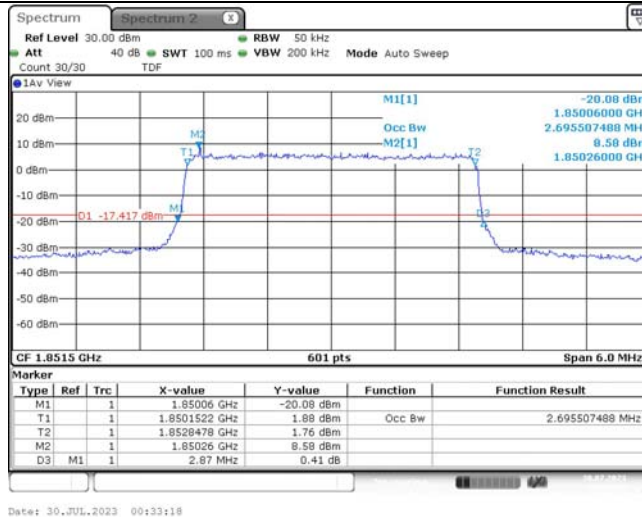
Band25-1.4MHz-16QAM-26365-6RB#0-1.088



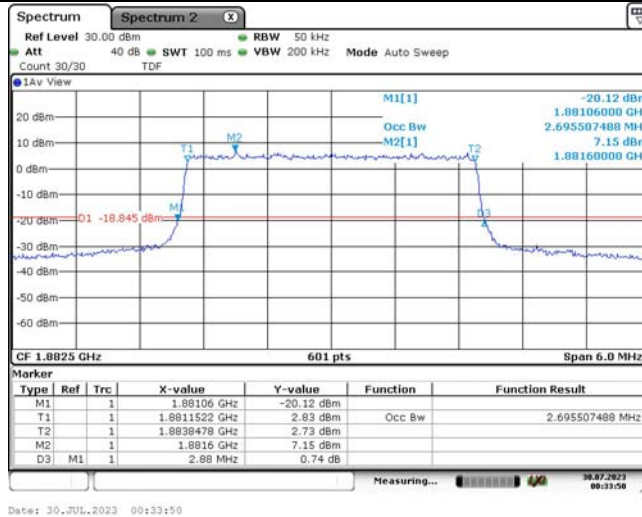
Band25-1.4MHz-16QAM-26683-6RB#0-1.088



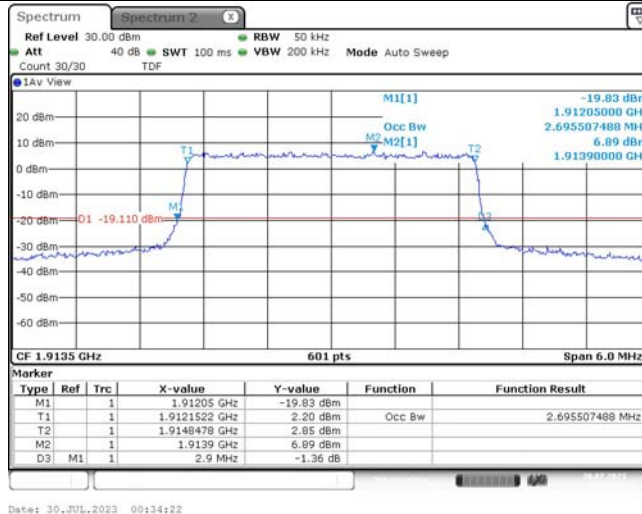
Band25-3MHz-QPSK-26055-15RB#0-2.696



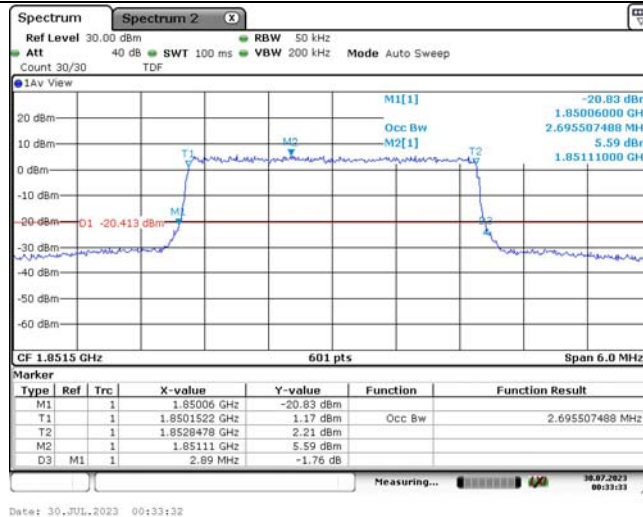
Band25-3MHz-QPSK-26365-15RB#0-2.696



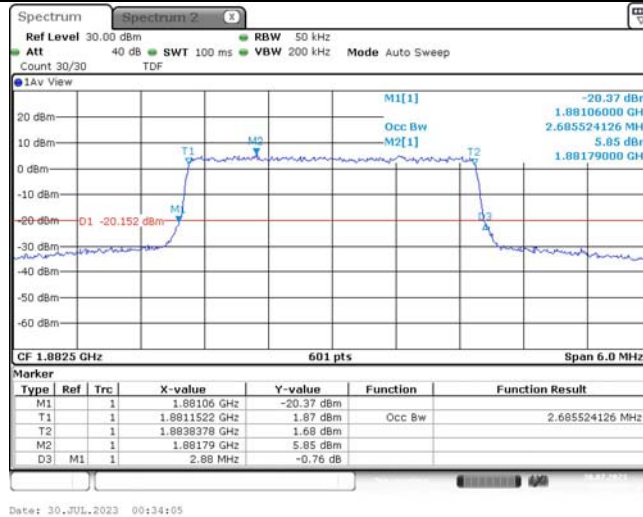
Band25-3MHz-QPSK-26675-15RB#0-2.696



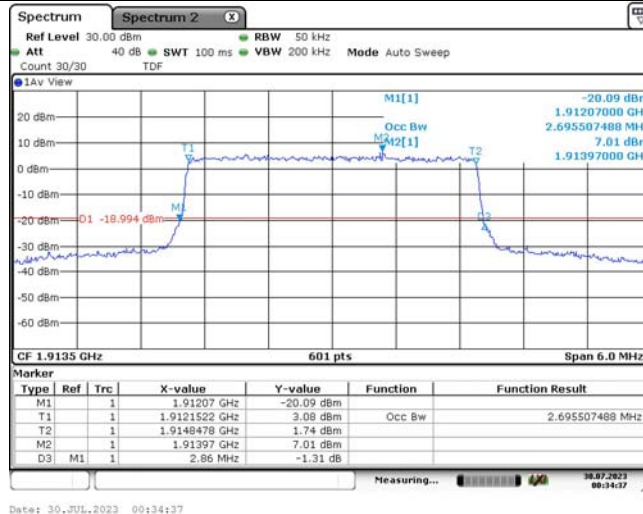
Band25-3MHz-16QAM-26055-15RB#0-2.696



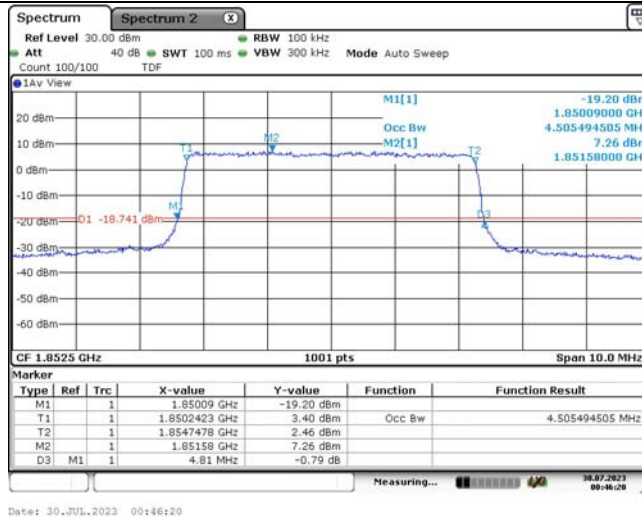
Band25-3MHz-16QAM-26365-15RB#0-2.686



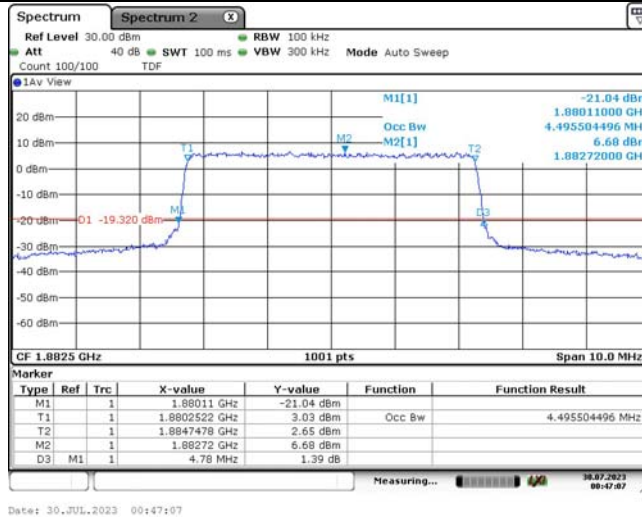
Band25-3MHz-16QAM-26675-15RB#0-2.696



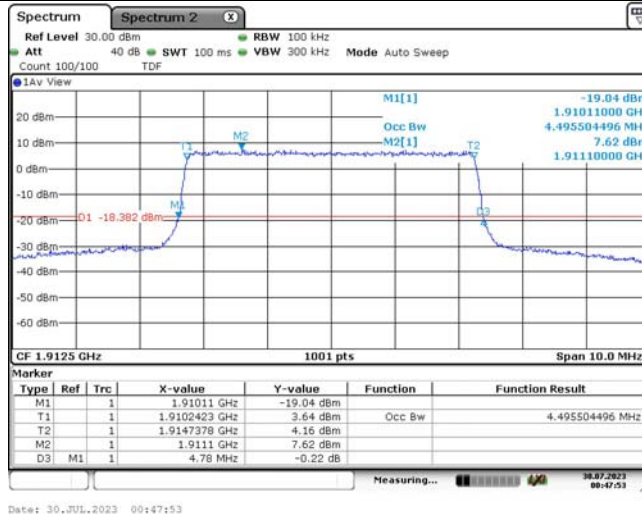
Band25-5MHz-QPSK-26065-25RB#0-4.505



Band25-5MHz-QPSK-26365-25RB#0-4.496



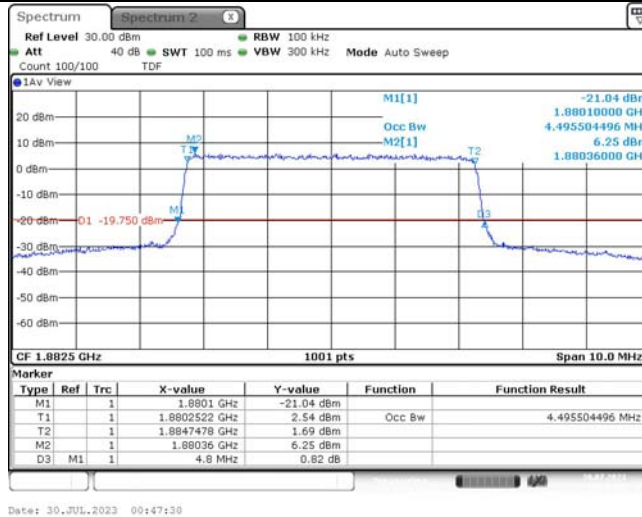
Band25-5MHz-QPSK-26665-25RB#0-4.496



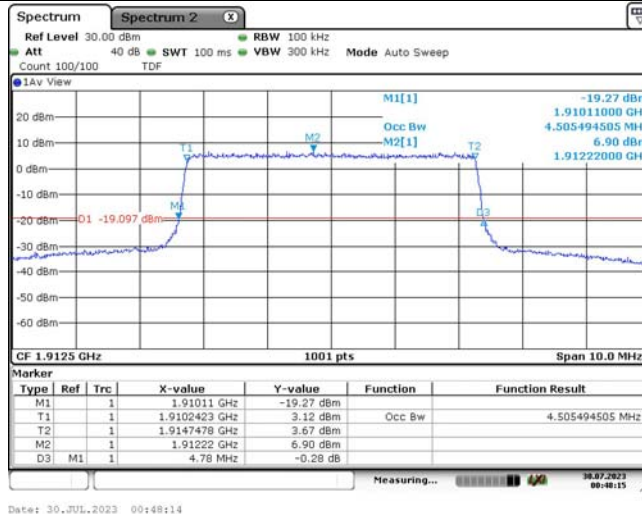
Band25-5MHz-16QAM-26065-25RB#0-4.515



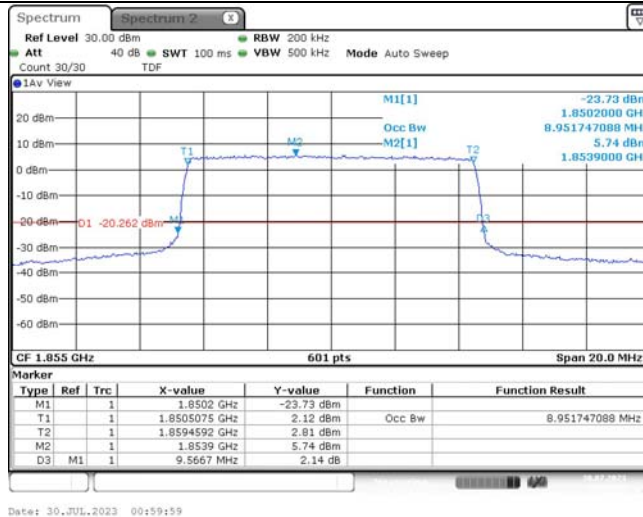
Band25-5MHz-16QAM-26365-25RB#0-4.496



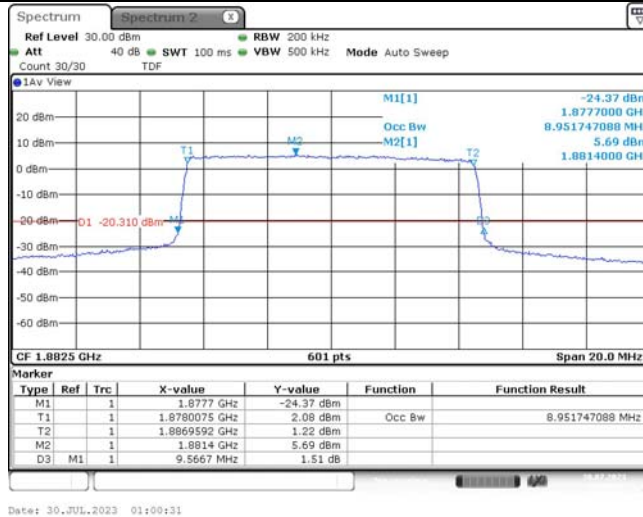
Band25-5MHz-16QAM-26665-25RB#0-4.505



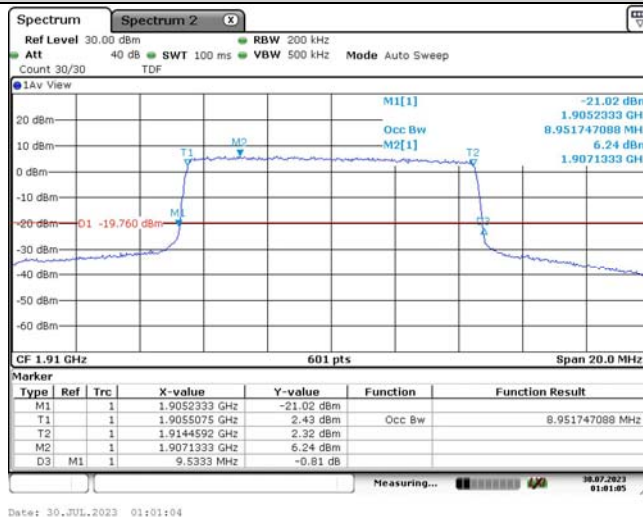
Band25-10MHz-QPSK-26090-50RB#0-8.952



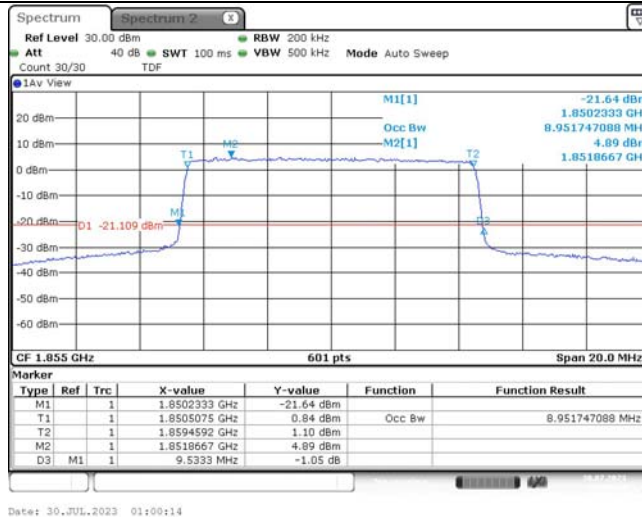
Band25-10MHz-QPSK-26365-50RB#0-8.952



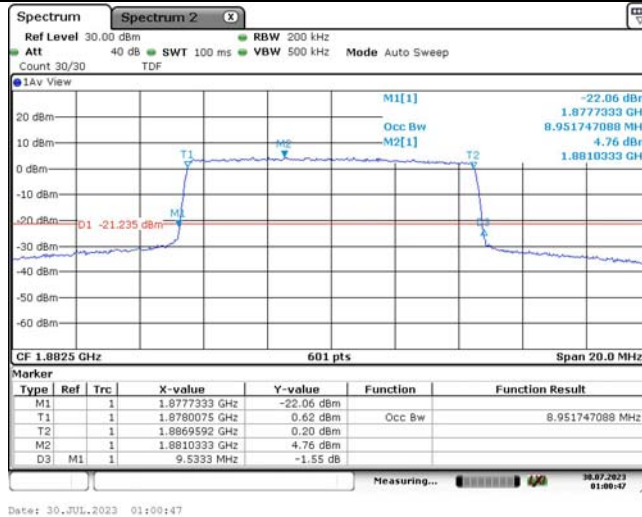
Band25-10MHz-QPSK-26640-50RB#0-8.952



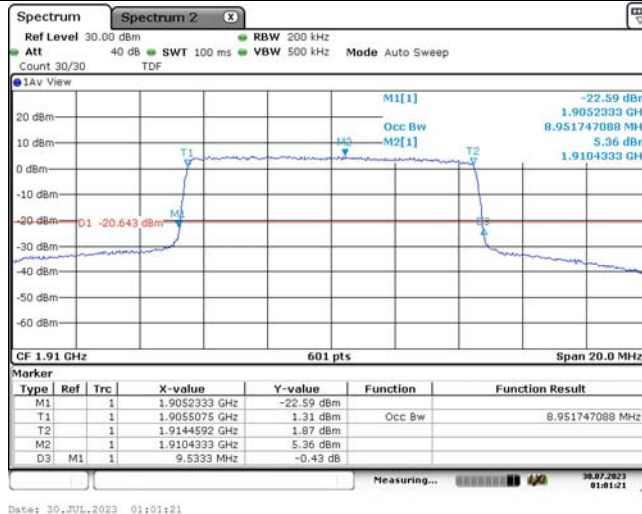
Band25-10MHz-16QAM-26090-50RB#0-8.952



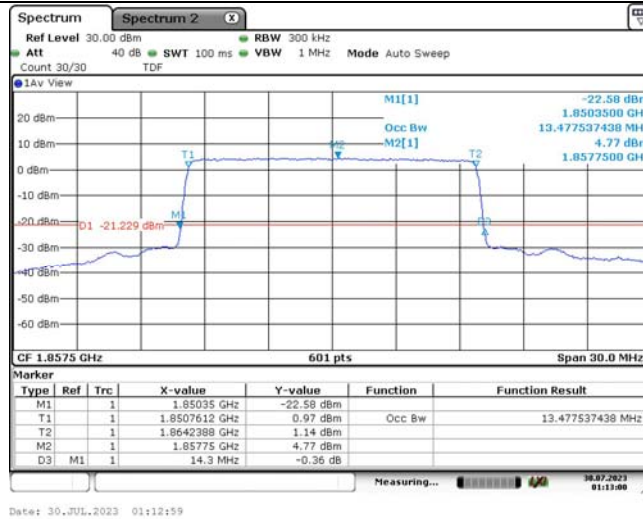
Band25-10MHz-16QAM-26365-50RB#0-8.952



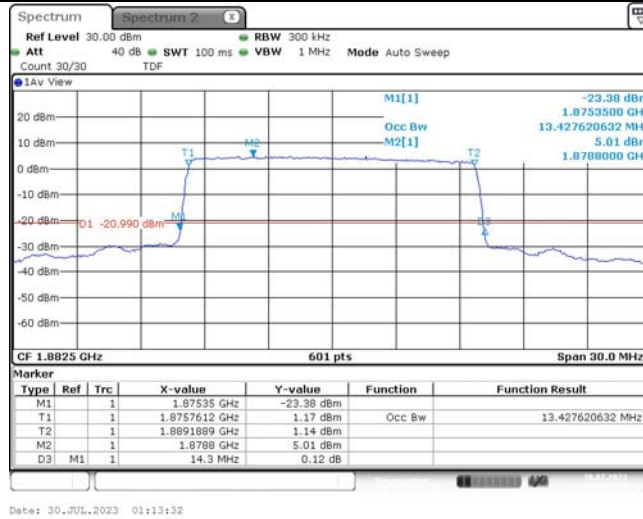
Band25-10MHz-16QAM-26640-50RB#0-8.952



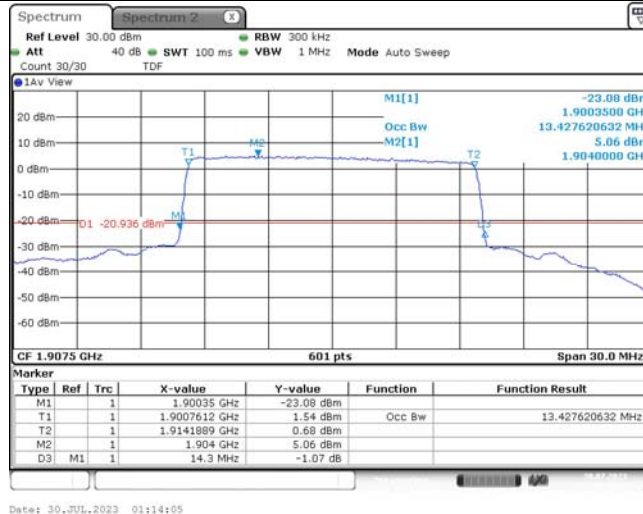
Band25-15MHz-QPSK-26115-75RB#0-13.478



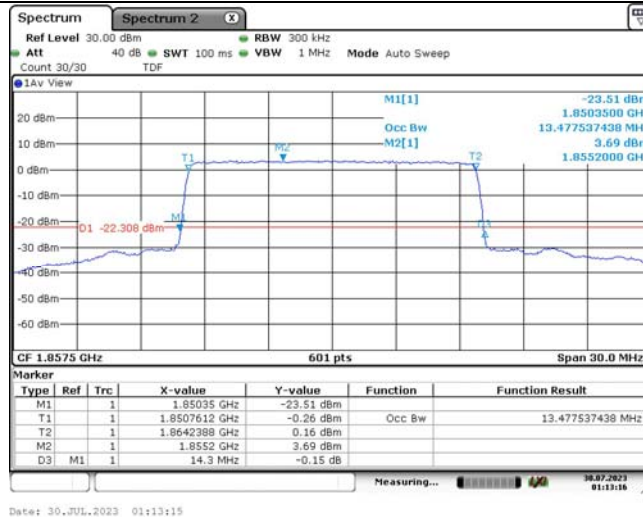
Band25-15MHz-QPSK-26365-75RB#0-13.428



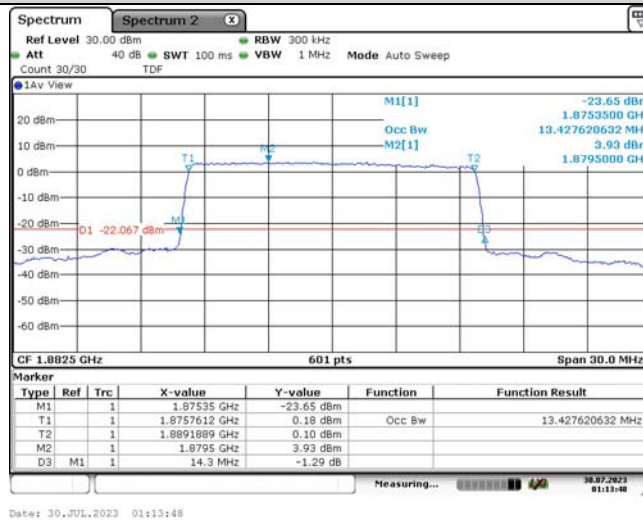
Band25-15MHz-QPSK-26615-75RB#0-13.428



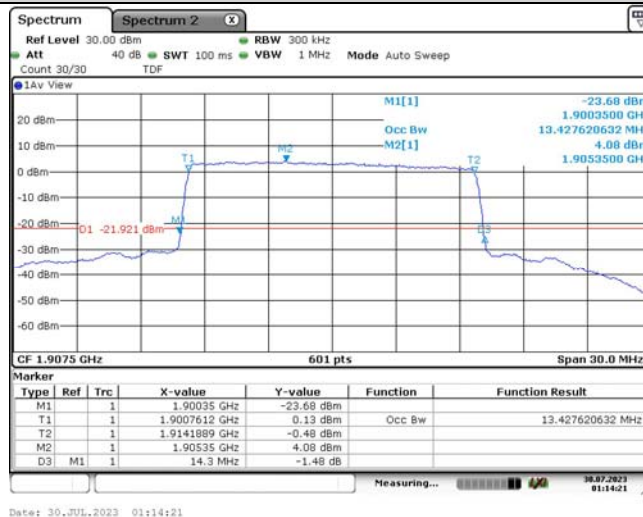
Band25-15MHz-16QAM-26115-75RB#0-13.478



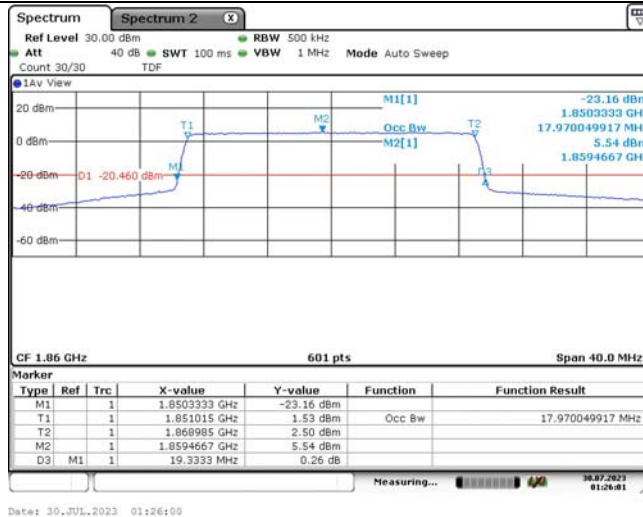
Band25-15MHz-16QAM-26365-75RB#0-13.428



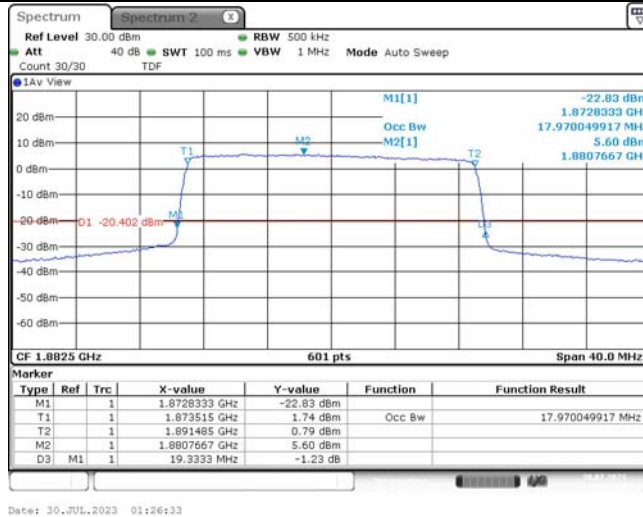
Band25-15MHz-16QAM-26615-75RB#0-13.428



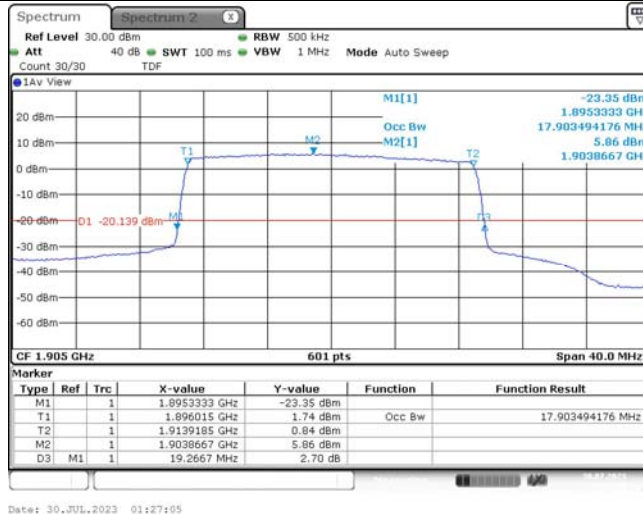
Band25-20MHz-QPSK-26140-100RB#0-17.97



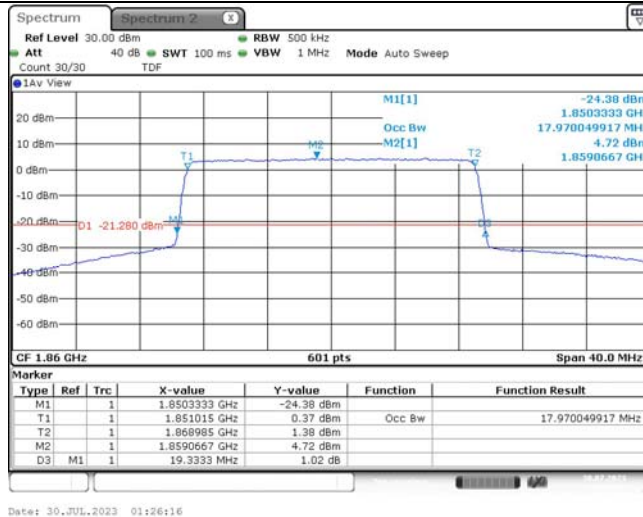
Band25-20MHz-QPSK-26365-100RB#0-17.97



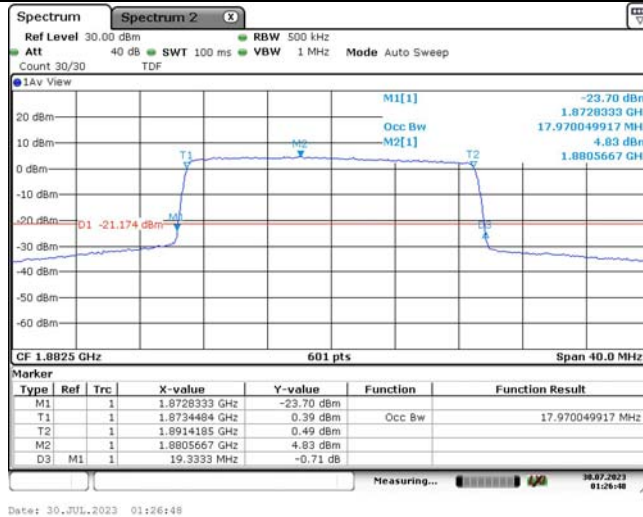
Band25-20MHz-QPSK-26590-100RB#0-17.903



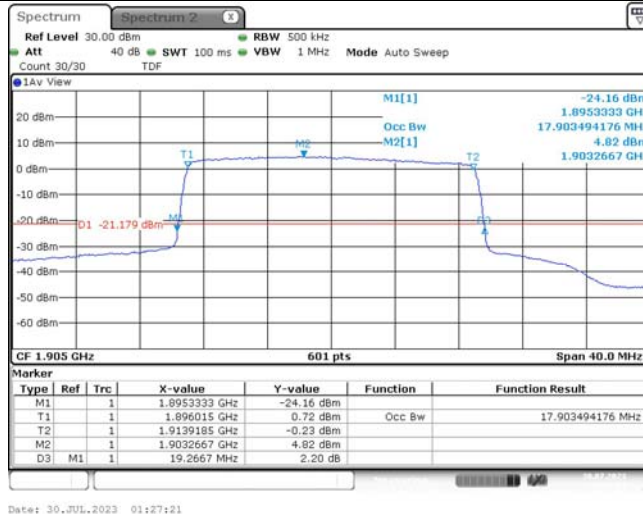
Band25-20MHz-16QAM-26140-100RB#0-17.97



Band25-20MHz-16QAM-26365-100RB#0-17.97



Band25-20MHz-16QAM-26590-100RB#0-17.903



1.4. Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band25	1.4MHz	QPSK	26047	1RB#0	-22.87	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	-36.33	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	-27.57	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	-35.86	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	-25.10	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	-26.92	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	-24.68	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	-37.02	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	-28.47	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	-37.44	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	-25.91	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	-28.66	PASS
Band25	3MHz	QPSK	26055	1RB#0	-20.86	PASS
Band25	3MHz	QPSK	26055	1RB#14	-45.88	PASS
Band25	3MHz	QPSK	26055	15RB#0	-27.77	PASS
Band25	3MHz	QPSK	26675	1RB#0	-46.97	PASS
Band25	3MHz	QPSK	26675	1RB#14	-21.77	PASS
Band25	3MHz	QPSK	26675	15RB#0	-28.15	PASS
Band25	3MHz	16QAM	26055	1RB#0	-22.36	PASS
Band25	3MHz	16QAM	26055	1RB#14	-47.66	PASS
Band25	3MHz	16QAM	26055	15RB#0	-29.22	PASS
Band25	3MHz	16QAM	26675	1RB#0	-47.34	PASS
Band25	3MHz	16QAM	26675	1RB#14	-24.09	PASS
Band25	3MHz	16QAM	26675	15RB#0	-29.20	PASS
Band25	5MHz	QPSK	26065	1RB#0	-23.06	PASS
Band25	5MHz	QPSK	26065	1RB#24	-51.29	PASS
Band25	5MHz	QPSK	26065	25RB#0	-28.14	PASS
Band25	5MHz	QPSK	26665	1RB#0	-52.38	PASS
Band25	5MHz	QPSK	26665	1RB#24	-24.67	PASS
Band25	5MHz	QPSK	26665	25RB#0	-29.35	PASS
Band25	5MHz	16QAM	26065	1RB#0	-25.73	PASS
Band25	5MHz	16QAM	26065	1RB#24	-52.12	PASS
Band25	5MHz	16QAM	26065	25RB#0	-29.16	PASS

Band25	5MHz	16QAM	26665	1RB#0	-52.58	PASS
Band25	5MHz	16QAM	26665	1RB#24	-25.30	PASS
Band25	5MHz	16QAM	26665	25RB#0	-30.43	PASS
Band25	10MHz	QPSK	26090	1RB#0	-33.35	PASS
Band25	10MHz	QPSK	26090	1RB#49	-49.75	PASS
Band25	10MHz	QPSK	26090	50RB#0	-30.02	PASS
Band25	10MHz	QPSK	26640	1RB#0	-50.26	PASS
Band25	10MHz	QPSK	26640	1RB#49	-33.12	PASS
Band25	10MHz	QPSK	26640	50RB#0	-31.47	PASS
Band25	10MHz	16QAM	26090	1RB#0	-34.14	PASS
Band25	10MHz	16QAM	26090	1RB#49	-50.04	PASS
Band25	10MHz	16QAM	26090	50RB#0	-30.69	PASS
Band25	10MHz	16QAM	26640	1RB#0	-50.37	PASS
Band25	10MHz	16QAM	26640	1RB#49	-34.03	PASS
Band25	10MHz	16QAM	26640	50RB#0	-32.34	PASS
Band25	15MHz	QPSK	26115	1RB#0	-33.12	PASS
Band25	15MHz	QPSK	26115	1RB#74	-48.35	PASS
Band25	15MHz	QPSK	26115	75RB#0	-30.88	PASS
Band25	15MHz	QPSK	26615	1RB#0	-48.55	PASS
Band25	15MHz	QPSK	26615	1RB#74	-33.54	PASS
Band25	15MHz	QPSK	26615	75RB#0	-31.04	PASS
Band25	15MHz	16QAM	26115	1RB#0	-33.43	PASS
Band25	15MHz	16QAM	26115	1RB#74	-48.65	PASS
Band25	15MHz	16QAM	26115	75RB#0	-31.55	PASS
Band25	15MHz	16QAM	26615	1RB#0	-48.60	PASS
Band25	15MHz	16QAM	26615	1RB#74	-34.65	PASS
Band25	15MHz	16QAM	26615	75RB#0	-32.75	PASS
Band25	20MHz	QPSK	26140	1RB#0	-29.04	PASS
Band25	20MHz	QPSK	26140	1RB#99	-47.02	PASS
Band25	20MHz	QPSK	26140	100RB#0	-29.91	PASS
Band25	20MHz	QPSK	26590	1RB#0	-46.99	PASS
Band25	20MHz	QPSK	26590	1RB#99	-29.23	PASS
Band25	20MHz	QPSK	26590	100RB#0	-31.43	PASS
Band25	20MHz	16QAM	26140	1RB#0	-29.95	PASS
Band25	20MHz	16QAM	26140	1RB#99	-47.07	PASS
Band25	20MHz	16QAM	26140	100RB#0	-30.21	PASS
Band25	20MHz	16QAM	26590	1RB#0	-46.93	PASS
Band25	20MHz	16QAM	26590	1RB#99	-29.67	PASS

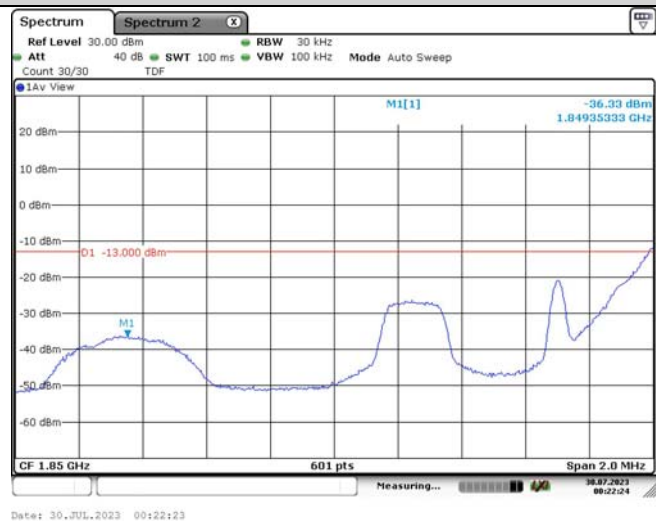
Band25	20MHz	16QAM	26590	100RB#0	-32.36	PASS
--------	-------	-------	-------	---------	--------	------

Test Graphs

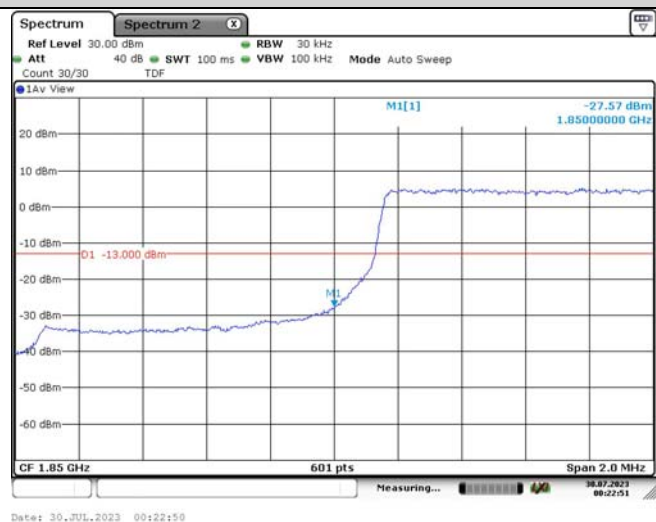
Band25-1.4MHz-QPSK-26047-1RB#0



Band25-1.4MHz-QPSK-26047-1RB#5



Band25-1.4MHz-QPSK-26047-6RB#0



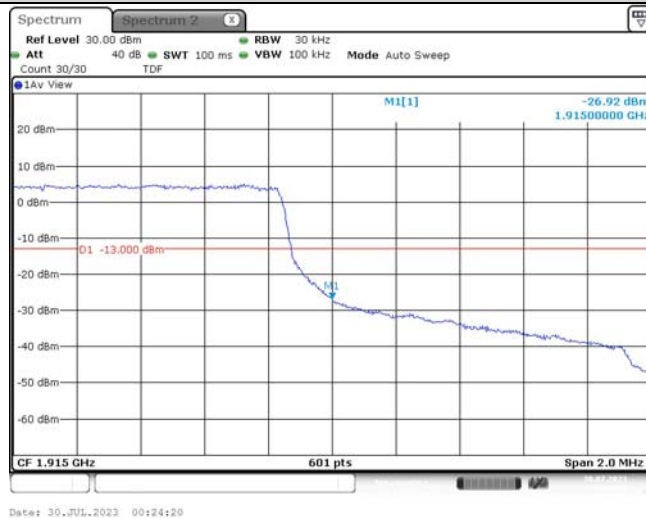
Band25-1.4MHz-QPSK-26683-1RB#0



Band25-1.4MHz-QPSK-26683-1RB#5



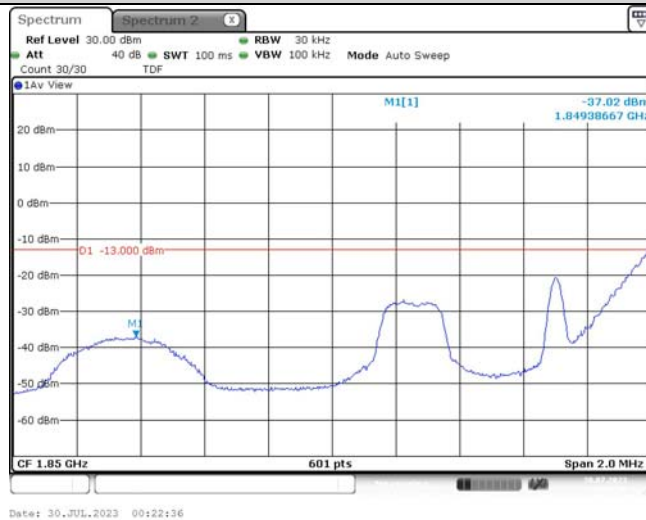
Band25-1.4MHz-QPSK-26683-6RB#0



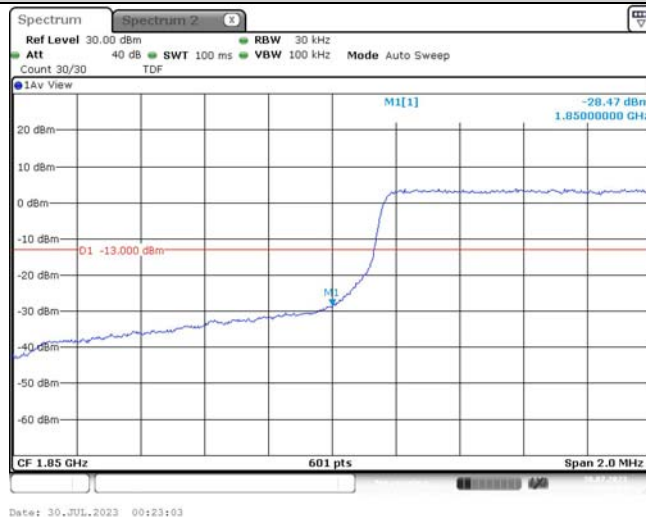
Band25-1.4MHz-16QAM-26047-1RB#0



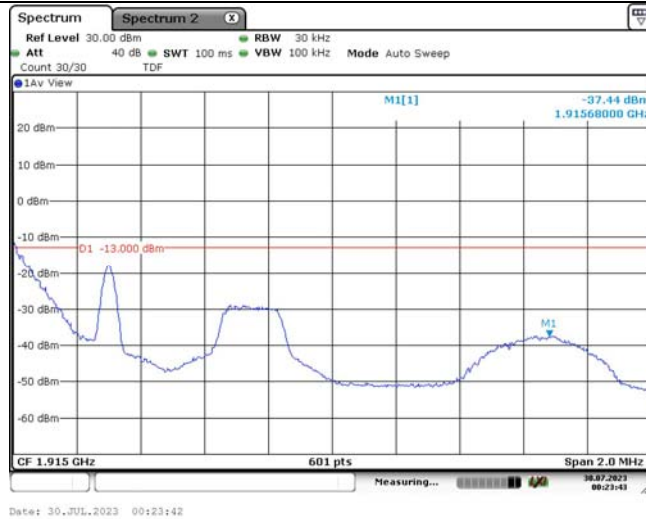
Band25-1.4MHz-16QAM-26047-1RB#5



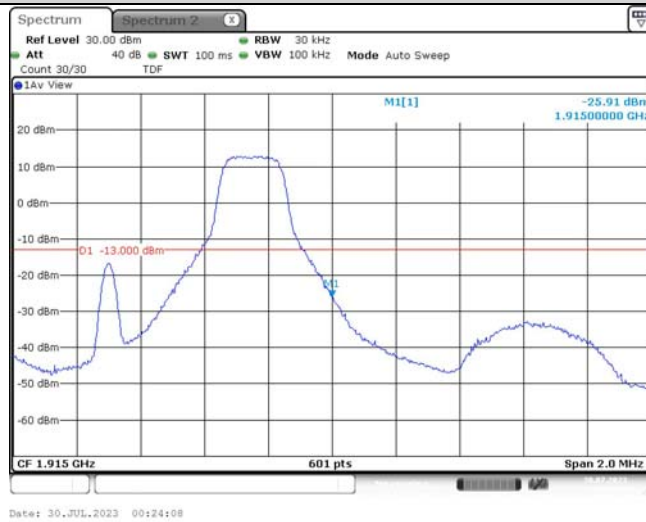
Band25-1.4MHz-16QAM-26047-6RB#0



Band25-1.4MHz-16QAM-26683-1RB#0



Band25-1.4MHz-16QAM-26683-1RB#5



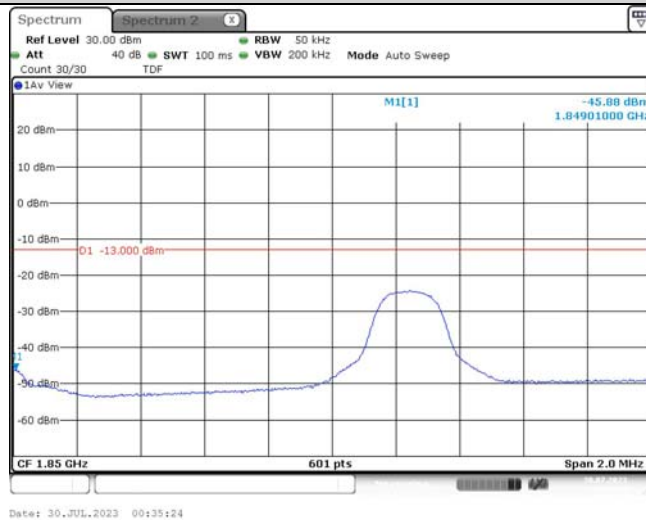
Band25-1.4MHz-16QAM-26683-6RB#0



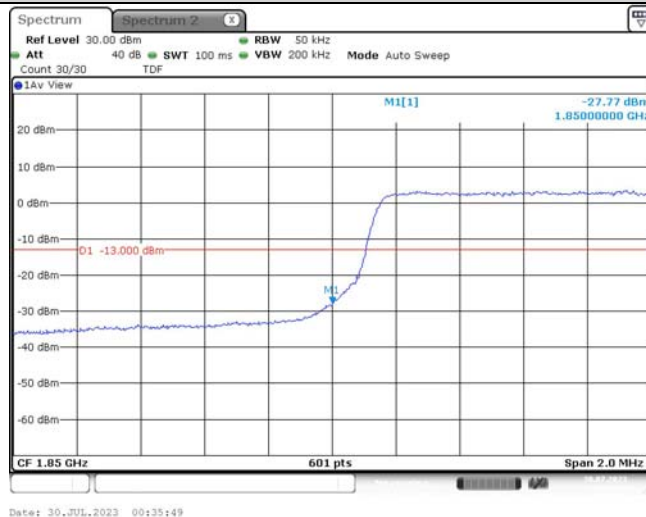
Band25-3MHz-QPSK-26055-1RB#0



Band25-3MHz-QPSK-26055-1RB#14



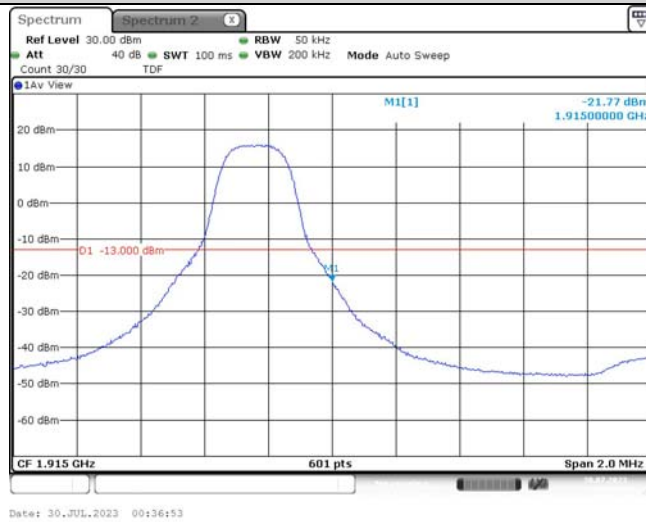
Band25-3MHz-QPSK-26055-15RB#0



Band25-3MHz-QPSK-26675-1RB#0



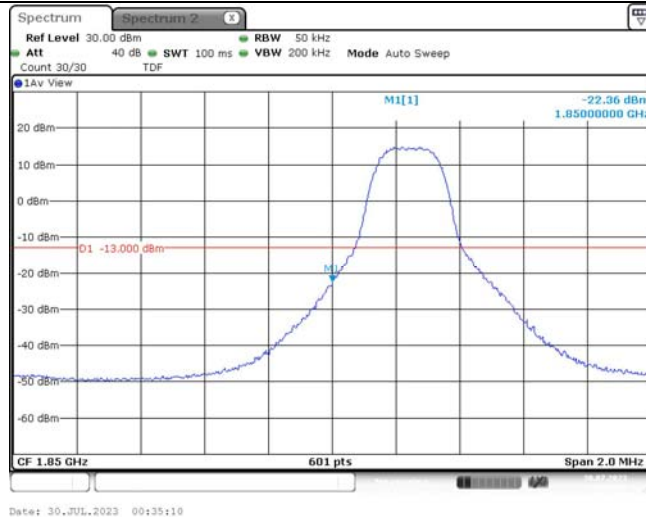
Band25-3MHz-QPSK-26675-1RB#14



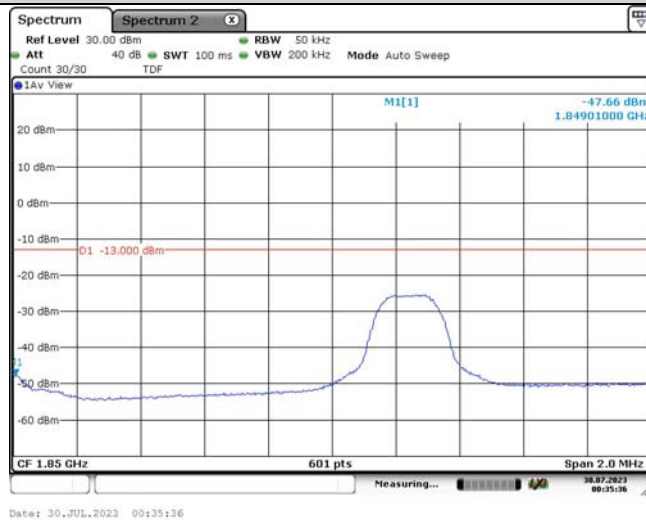
Band25-3MHz-QPSK-26675-15RB#0



Band25-3MHz-16QAM-26055-1RB#0



Band25-3MHz-16QAM-26055-1RB#14



Band25-3MHz-16QAM-26055-15RB#0



Band25-3MHz-16QAM-26675-1RB#0