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Appendix for LTE Band 7

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

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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
Band7	5MHz	QPSK	20775	1RB#0	23.90	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.91	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.85	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.88	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.87	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.94	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.90	PASS
Band7	5MHz	QPSK	21100	1RB#0	24.18	PASS
Band7	5MHz	QPSK	21100	1RB#12	24.34	PASS
Band7	5MHz	QPSK	21100	1RB#24	24.11	PASS
Band7	5MHz	QPSK	21100	12RB#0	23.31	PASS
Band7	5MHz	QPSK	21100	12RB#6	23.32	PASS
Band7	5MHz	QPSK	21100	12RB#13	23.26	PASS
Band7	5MHz	QPSK	21100	25RB#0	23.27	PASS
Band7	5MHz	QPSK	21425	1RB#0	24.24	PASS
Band7	5MHz	QPSK	21425	1RB#12	24.40	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.99	PASS
Band7	5MHz	QPSK	21425	12RB#0	23.29	PASS
Band7	5MHz	QPSK	21425	12RB#6	23.27	PASS
Band7	5MHz	QPSK	21425	12RB#13	23.21	PASS
Band7	5MHz	QPSK	21425	25RB#0	23.19	PASS
Band7	5MHz	16QAM	20775	1RB#0	23.08	PASS
Band7	5MHz	16QAM	20775	1RB#12	23.09	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.86	PASS
Band7	5MHz	16QAM	20775	12RB#0	22.88	PASS
Band7	5MHz	16QAM	20775	12RB#6	22.87	PASS
Band7	5MHz	16QAM	20775	12RB#13	22.92	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.85	PASS
Band7	5MHz	16QAM	21100	1RB#0	23.29	PASS
Band7	5MHz	16QAM	21100	1RB#12	23.17	PASS
Band7	5MHz	16QAM	21100	1RB#24	23.18	PASS
Band7	5MHz	16QAM	21100	12RB#0	23.32	PASS
Band7	5MHz	16QAM	21100	12RB#6	23.33	PASS

Band7	5MHz	16QAM	21100	12RB#13	23.26	PASS
Band7	5MHz	16QAM	21100	25RB#0	22.25	PASS
Band7	5MHz	16QAM	21425	1RB#0	23.07	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.94	PASS
Band7	5MHz	16QAM	21425	1RB#24	23.07	PASS
Band7	5MHz	16QAM	21425	12RB#0	23.28	PASS
Band7	5MHz	16QAM	21425	12RB#6	23.27	PASS
Band7	5MHz	16QAM	21425	12RB#13	23.21	PASS
Band7	5MHz	16QAM	21425	25RB#0	22.16	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.71	PASS
Band7	10MHz	QPSK	20800	1RB#24	24.07	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.88	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.89	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.89	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.92	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.94	PASS
Band7	10MHz	QPSK	21100	1RB#0	24.27	PASS
Band7	10MHz	QPSK	21100	1RB#24	24.48	PASS
Band7	10MHz	QPSK	21100	1RB#49	24.10	PASS
Band7	10MHz	QPSK	21100	25RB#0	23.38	PASS
Band7	10MHz	QPSK	21100	25RB#12	23.29	PASS
Band7	10MHz	QPSK	21100	25RB#25	23.23	PASS
Band7	10MHz	QPSK	21100	50RB#0	23.18	PASS
Band7	10MHz	QPSK	21400	1RB#0	24.21	PASS
Band7	10MHz	QPSK	21400	1RB#24	24.29	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.91	PASS
Band7	10MHz	QPSK	21400	25RB#0	23.47	PASS
Band7	10MHz	QPSK	21400	25RB#12	23.45	PASS
Band7	10MHz	QPSK	21400	25RB#25	23.27	PASS
Band7	10MHz	QPSK	21400	50RB#0	23.38	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.95	PASS
Band7	10MHz	16QAM	20800	1RB#24	23.15	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.99	PASS
Band7	10MHz	16QAM	20800	25RB#0	22.90	PASS
Band7	10MHz	16QAM	20800	25RB#12	22.89	PASS
Band7	10MHz	16QAM	20800	25RB#25	22.90	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.97	PASS
Band7	10MHz	16QAM	21100	1RB#0	23.14	PASS

Band7	10MHz	16QAM	21100	1RB#24	23.50	PASS
Band7	10MHz	16QAM	21100	1RB#49	23.32	PASS
Band7	10MHz	16QAM	21100	25RB#0	23.41	PASS
Band7	10MHz	16QAM	21100	25RB#12	23.30	PASS
Band7	10MHz	16QAM	21100	25RB#25	23.22	PASS
Band7	10MHz	16QAM	21100	50RB#0	22.23	PASS
Band7	10MHz	16QAM	21400	1RB#0	23.31	PASS
Band7	10MHz	16QAM	21400	1RB#24	23.47	PASS
Band7	10MHz	16QAM	21400	1RB#49	23.64	PASS
Band7	10MHz	16QAM	21400	25RB#0	23.45	PASS
Band7	10MHz	16QAM	21400	25RB#12	23.44	PASS
Band7	10MHz	16QAM	21400	25RB#25	23.29	PASS
Band7	10MHz	16QAM	21400	50RB#0	22.41	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.75	PASS
Band7	15MHz	QPSK	20825	1RB#38	24.06	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.77	PASS
Band7	15MHz	QPSK	20825	38RB#0	22.63	PASS
Band7	15MHz	QPSK	20825	38RB#18	23.25	PASS
Band7	15MHz	QPSK	20825	38RB#37	23.07	PASS
Band7	15MHz	QPSK	20825	75RB#0	23.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	24.32	PASS
Band7	15MHz	QPSK	21100	1RB#38	24.33	PASS
Band7	15MHz	QPSK	21100	1RB#74	24.08	PASS
Band7	15MHz	QPSK	21100	38RB#0	24.01	PASS
Band7	15MHz	QPSK	21100	38RB#18	23.87	PASS
Band7	15MHz	QPSK	21100	38RB#37	23.19	PASS
Band7	15MHz	QPSK	21100	75RB#0	23.27	PASS
Band7	15MHz	QPSK	21375	1RB#0	24.37	PASS
Band7	15MHz	QPSK	21375	1RB#38	24.41	PASS
Band7	15MHz	QPSK	21375	1RB#74	24.10	PASS
Band7	15MHz	QPSK	21375	38RB#0	23.35	PASS
Band7	15MHz	QPSK	21375	38RB#18	23.38	PASS
Band7	15MHz	QPSK	21375	38RB#37	23.22	PASS
Band7	15MHz	QPSK	21375	75RB#0	23.43	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.92	PASS
Band7	15MHz	16QAM	20825	1RB#38	23.23	PASS
Band7	15MHz	16QAM	20825	1RB#74	23.09	PASS
Band7	15MHz	16QAM	20825	38RB#0	22.60	PASS

Band7	15MHz	16QAM	20825	38RB#18	23.21	PASS
Band7	15MHz	16QAM	20825	38RB#37	23.08	PASS
Band7	15MHz	16QAM	20825	75RB#0	22.05	PASS
Band7	15MHz	16QAM	21100	1RB#0	23.11	PASS
Band7	15MHz	16QAM	21100	1RB#38	23.18	PASS
Band7	15MHz	16QAM	21100	1RB#74	23.54	PASS
Band7	15MHz	16QAM	21100	38RB#0	24.03	PASS
Band7	15MHz	16QAM	21100	38RB#18	23.88	PASS
Band7	15MHz	16QAM	21100	38RB#37	23.16	PASS
Band7	15MHz	16QAM	21100	75RB#0	22.31	PASS
Band7	15MHz	16QAM	21375	1RB#0	23.32	PASS
Band7	15MHz	16QAM	21375	1RB#38	23.38	PASS
Band7	15MHz	16QAM	21375	1RB#74	23.51	PASS
Band7	15MHz	16QAM	21375	38RB#0	23.31	PASS
Band7	15MHz	16QAM	21375	38RB#18	23.37	PASS
Band7	15MHz	16QAM	21375	38RB#37	23.25	PASS
Band7	15MHz	16QAM	21375	75RB#0	22.31	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.93	PASS
Band7	20MHz	QPSK	20850	1RB#49	24.25	PASS
Band7	20MHz	QPSK	20850	1RB#99	24.05	PASS
Band7	20MHz	QPSK	20850	50RB#0	23.06	PASS
Band7	20MHz	QPSK	20850	50RB#25	23.02	PASS
Band7	20MHz	QPSK	20850	50RB#50	23.19	PASS
Band7	20MHz	QPSK	20850	100RB#0	23.07	PASS
Band7	20MHz	QPSK	21100	1RB#0	24.33	PASS
Band7	20MHz	QPSK	21100	1RB#49	24.71	PASS
Band7	20MHz	QPSK	21100	1RB#99	24.13	PASS
Band7	20MHz	QPSK	21100	50RB#0	23.45	PASS
Band7	20MHz	QPSK	21100	50RB#25	23.49	PASS
Band7	20MHz	QPSK	21100	50RB#50	23.36	PASS
Band7	20MHz	QPSK	21100	100RB#0	23.37	PASS
Band7	20MHz	QPSK	21350	1RB#0	24.40	PASS
Band7	20MHz	QPSK	21350	1RB#49	24.58	PASS
Band7	20MHz	QPSK	21350	1RB#99	24.14	PASS
Band7	20MHz	QPSK	21350	50RB#0	23.40	PASS
Band7	20MHz	QPSK	21350	50RB#25	23.44	PASS
Band7	20MHz	QPSK	21350	50RB#50	23.46	PASS
Band7	20MHz	QPSK	21350	100RB#0	23.51	PASS

Band7	20MHz	16QAM	20850	1RB#0	23.92	PASS
Band7	20MHz	16QAM	20850	1RB#49	23.74	PASS
Band7	20MHz	16QAM	20850	1RB#99	23.85	PASS
Band7	20MHz	16QAM	20850	50RB#0	23.03	PASS
Band7	20MHz	16QAM	20850	50RB#25	23.02	PASS
Band7	20MHz	16QAM	20850	50RB#50	23.10	PASS
Band7	20MHz	16QAM	20850	100RB#0	22.13	PASS
Band7	20MHz	16QAM	21100	1RB#0	23.13	PASS
Band7	20MHz	16QAM	21100	1RB#49	23.60	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.96	PASS
Band7	20MHz	16QAM	21100	50RB#0	23.48	PASS
Band7	20MHz	16QAM	21100	50RB#25	23.49	PASS
Band7	20MHz	16QAM	21100	50RB#50	23.34	PASS
Band7	20MHz	16QAM	21100	100RB#0	22.44	PASS
Band7	20MHz	16QAM	21350	1RB#0	23.66	PASS
Band7	20MHz	16QAM	21350	1RB#49	23.83	PASS
Band7	20MHz	16QAM	21350	1RB#99	23.52	PASS
Band7	20MHz	16QAM	21350	50RB#0	23.44	PASS
Band7	20MHz	16QAM	21350	50RB#25	23.44	PASS
Band7	20MHz	16QAM	21350	50RB#50	23.50	PASS
Band7	20MHz	16QAM	21350	100RB#0	22.63	PASS

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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	4.49	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.22	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	4.58	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.25	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.46	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.16	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.57	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.09	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.45	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.14	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.30	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.00	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.46	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.19	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.55	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.30	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.41	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.07	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.19	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	6.12	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.65	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.12	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.45	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.00	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.43	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.33	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.58	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.33	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.46	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.16	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.36	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.14	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.62	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.20	13	PASS

Band7	15MHz	16QAM	21375	1RB#0	5.42	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.00	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	4.43	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.10	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.58	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.10	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.52	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.96	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	5.68	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.03	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.51	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.06	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.22	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.91	13	PASS

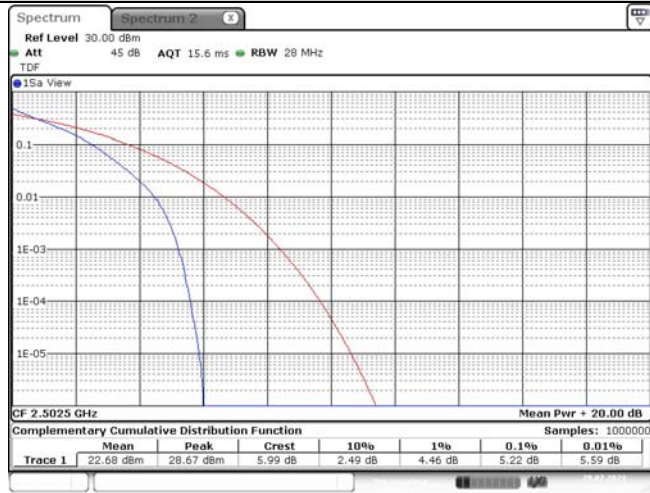
Test Graphs

Band7-5MHz-QPSK-20775-1RB#0



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Band7-5MHz-QPSK-20775-25RB#0



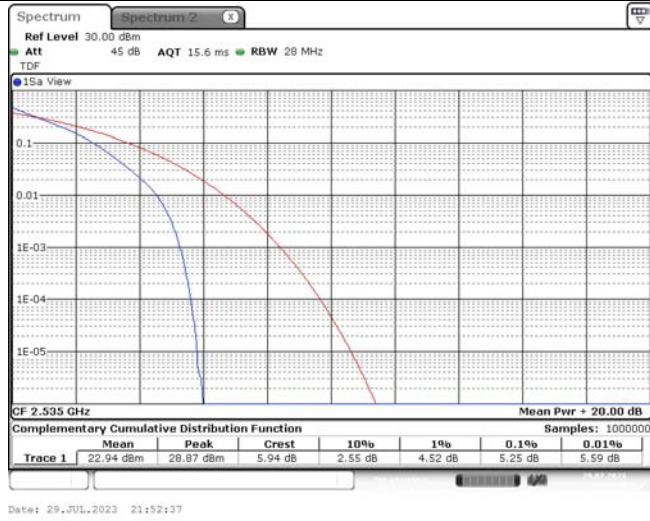
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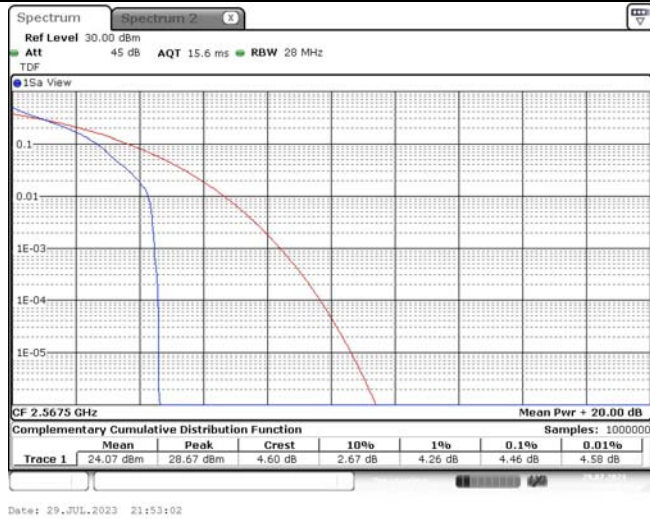


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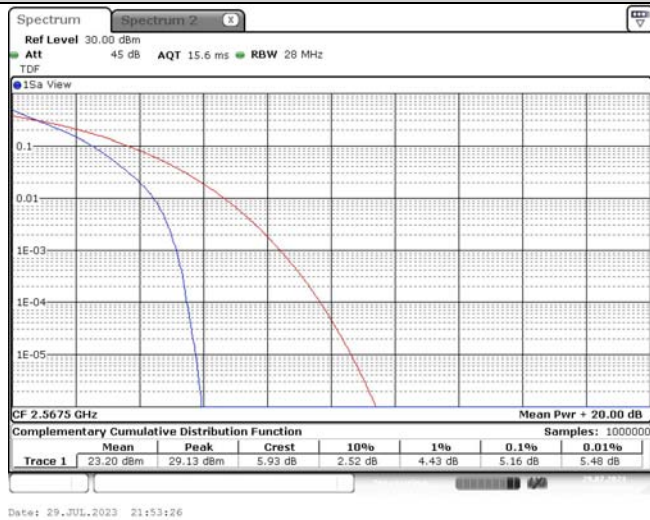
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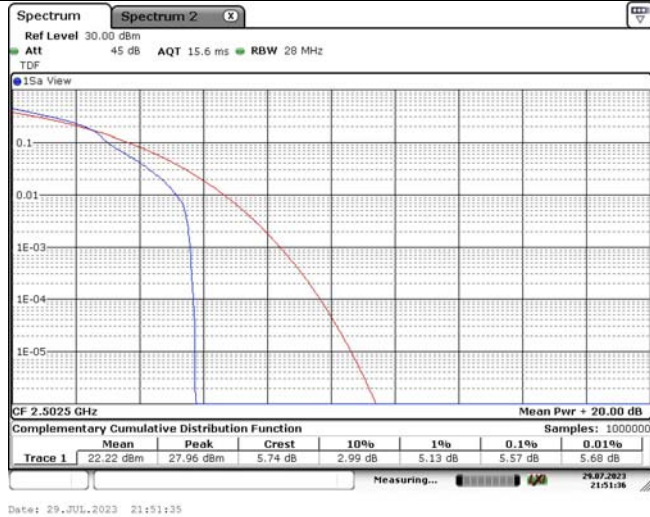
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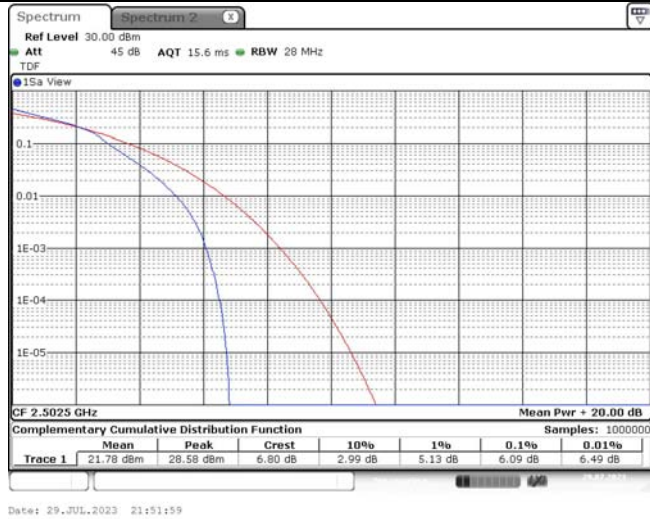
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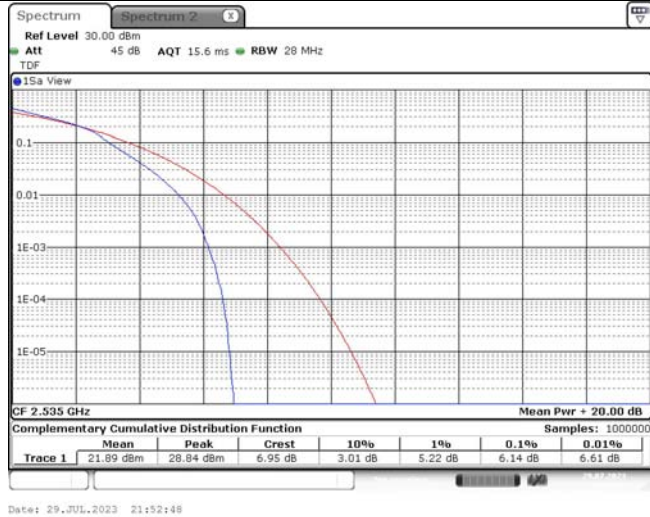
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Band7-5MHz-16QAM-21100-1RB#0



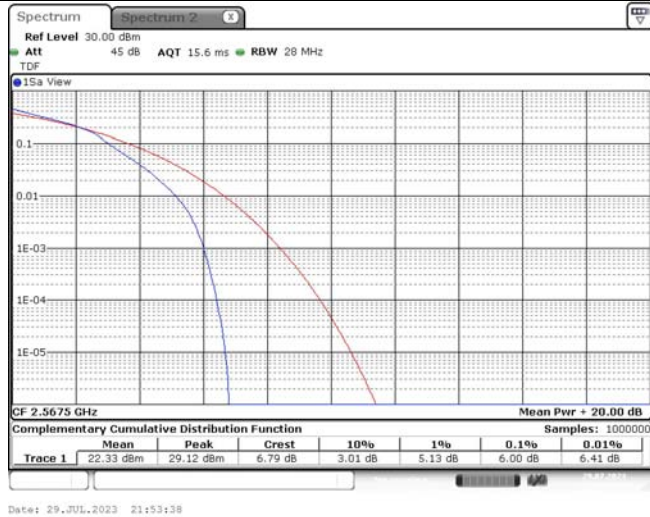
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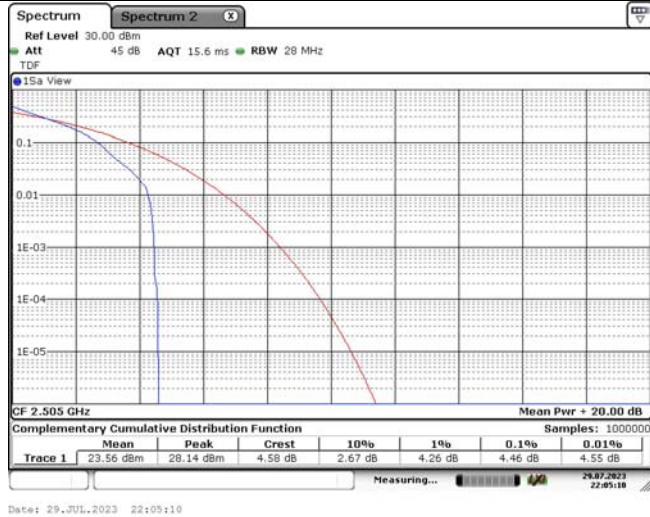
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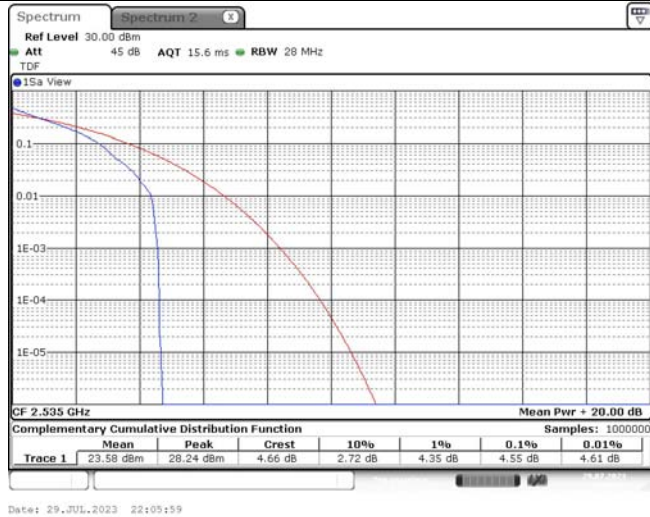
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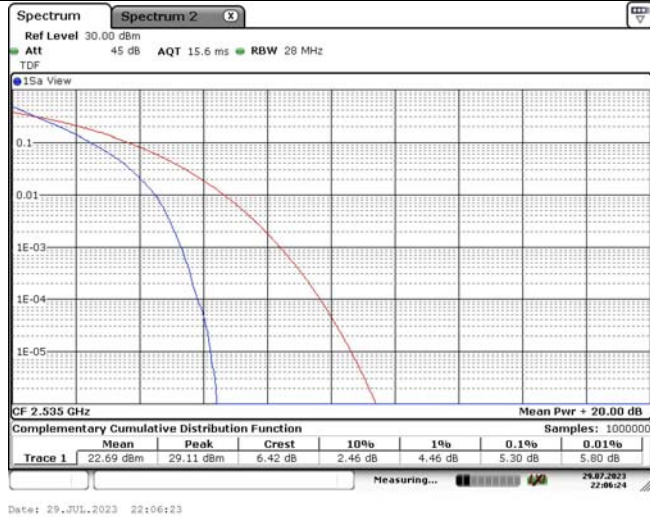
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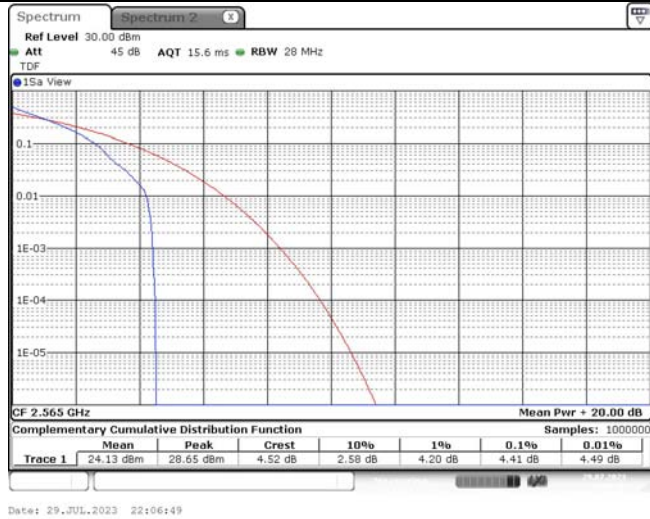
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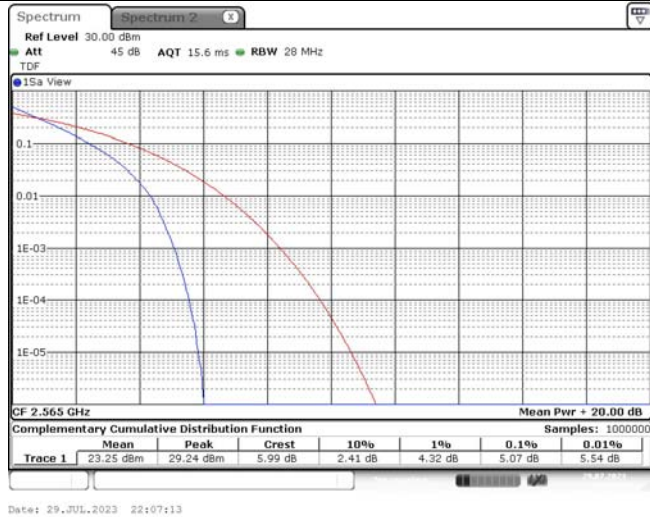
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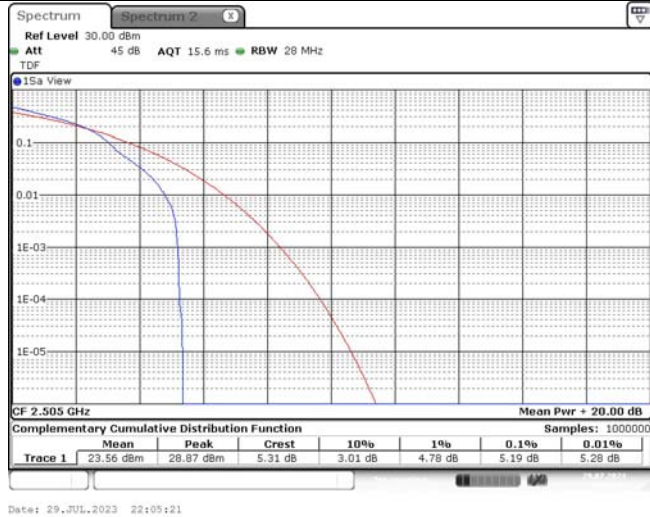
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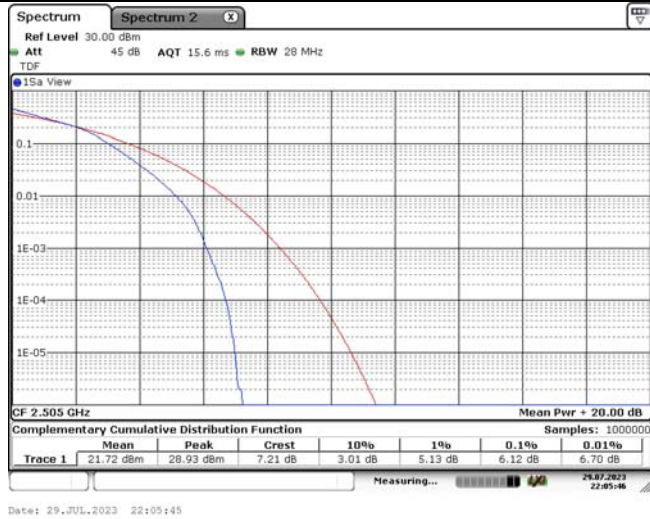
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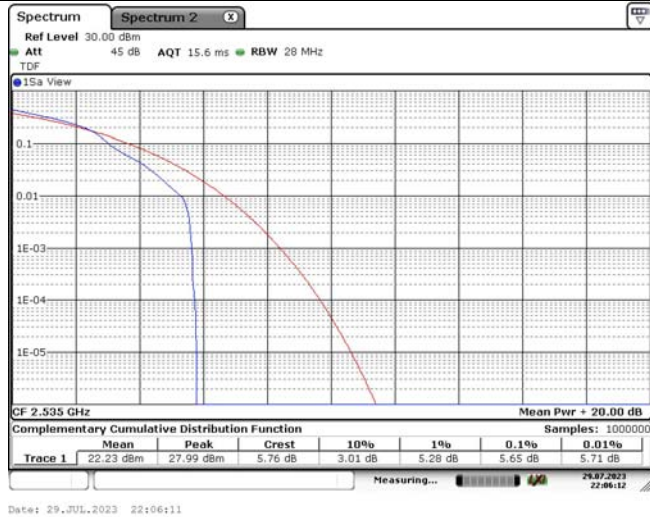
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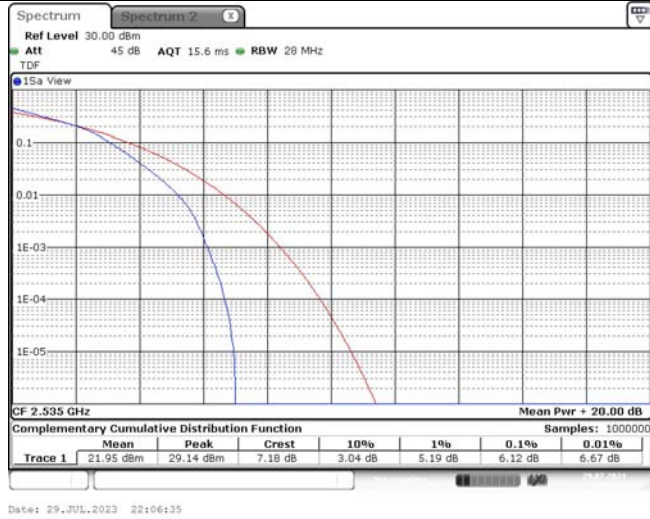
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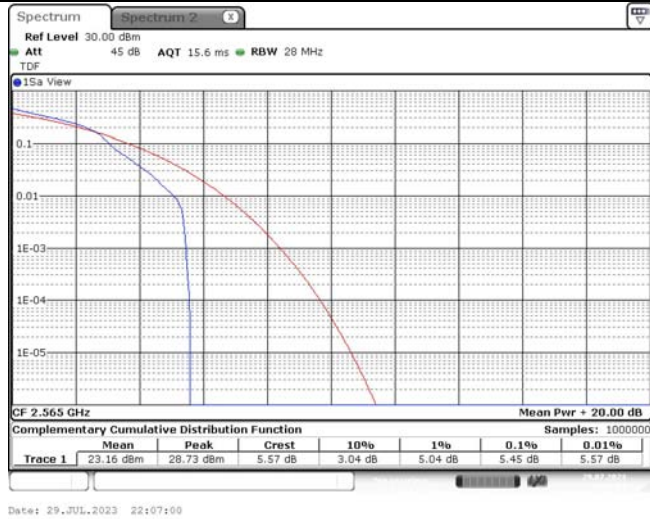
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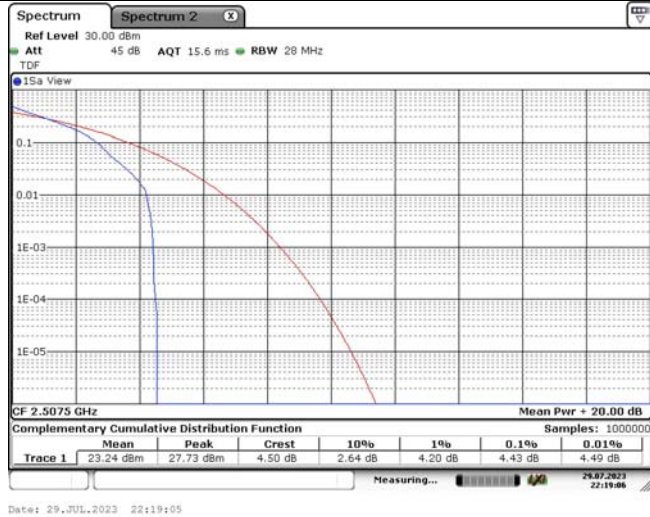
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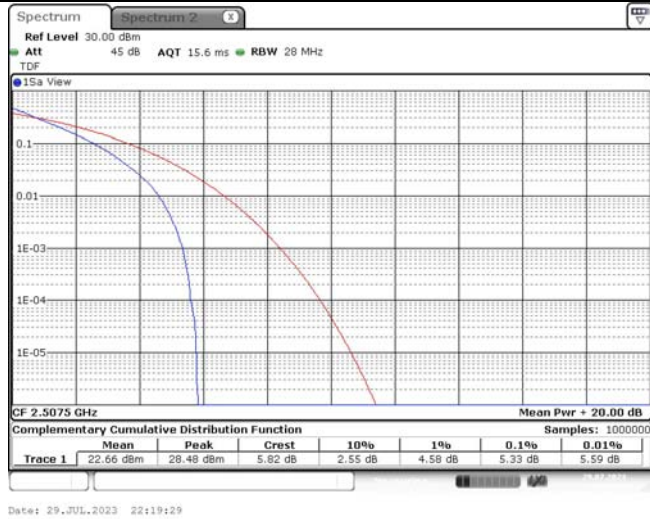
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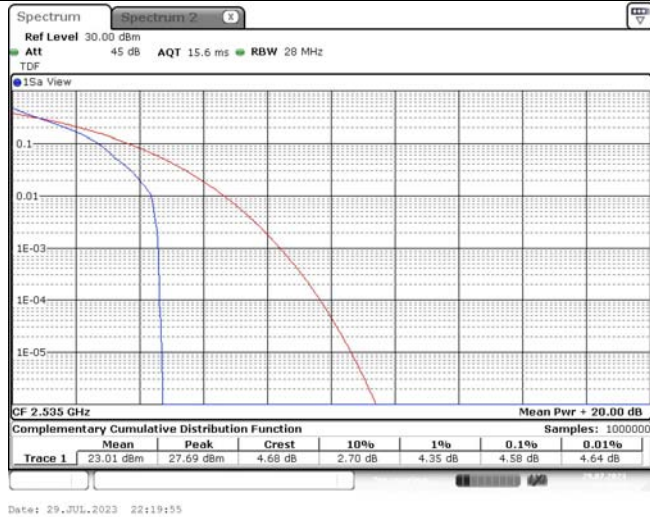
Band7-15MHz-QPSK-20825-1RB#0



Band7-15MHz-QPSK-20825-75RB#0



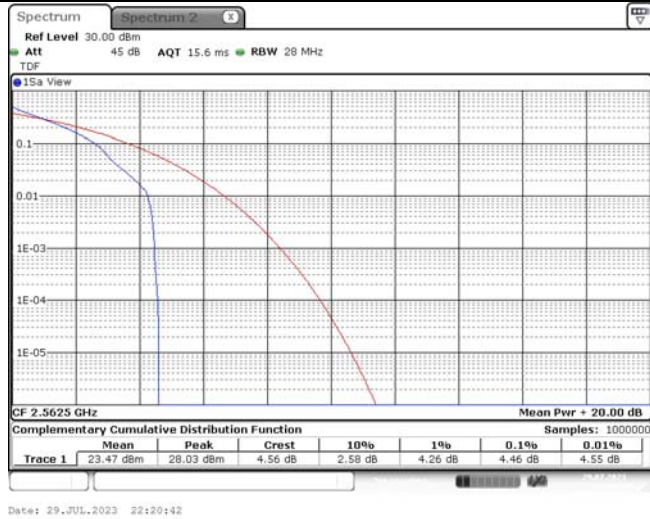
Band7-15MHz-QPSK-21100-1RB#0



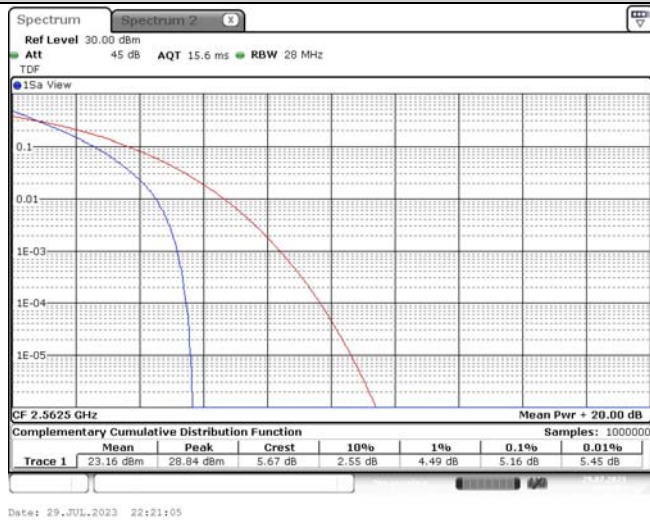
Band7-15MHz-QPSK-21100-75RB#0



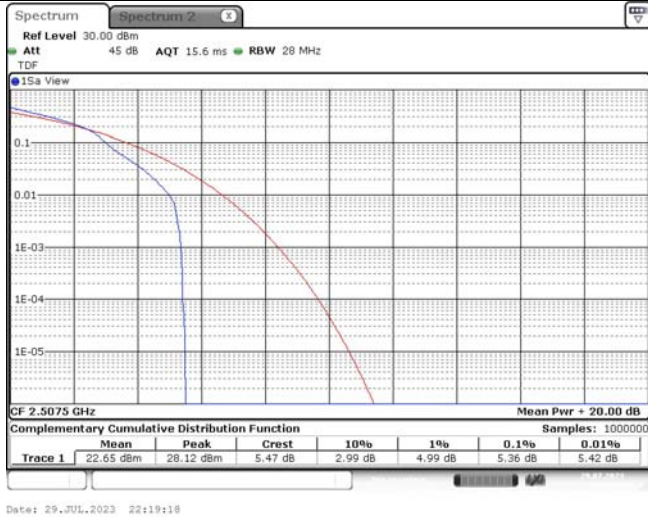
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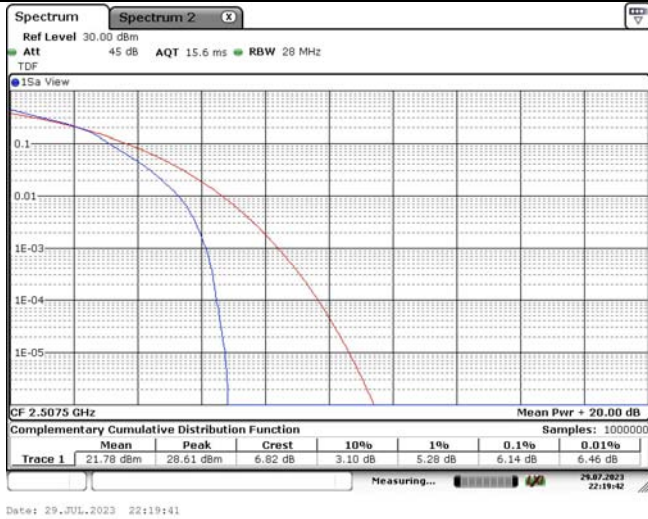
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Band7-15MHz-16QAM-20825-1RB#0



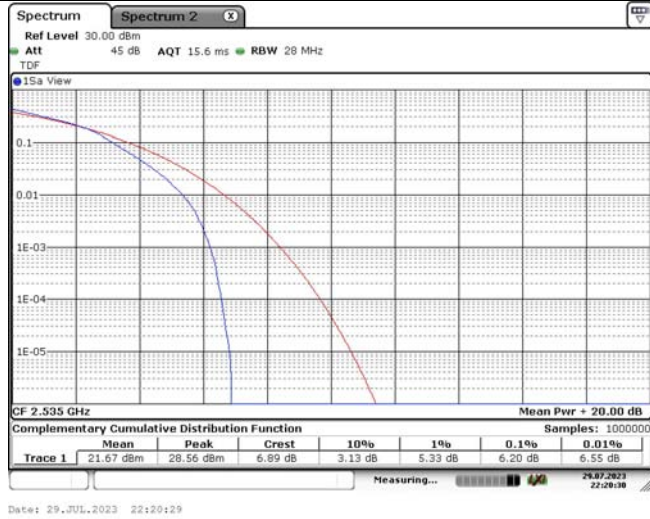
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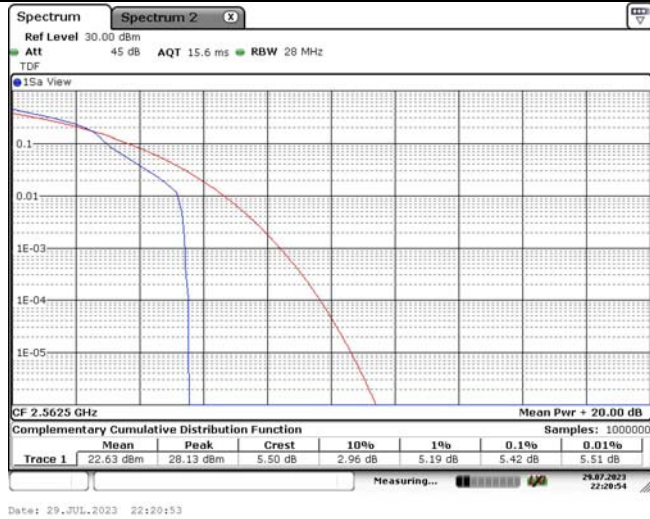
Band7-15MHz-16QAM-21100-1RB#0



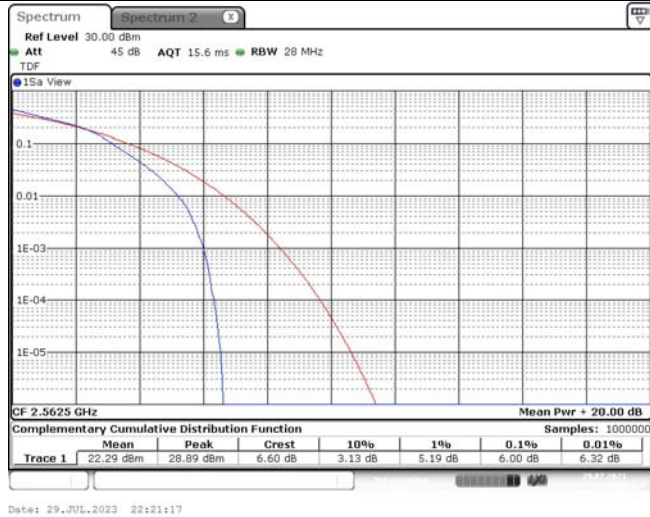
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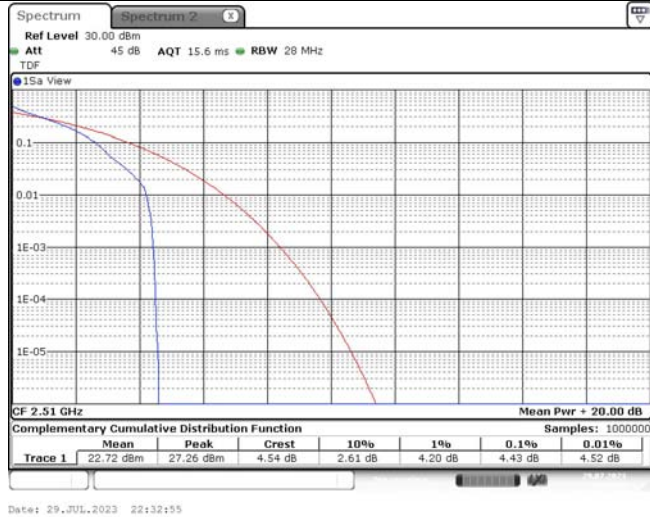
Band7-15MHz-16QAM-21375-1RB#0



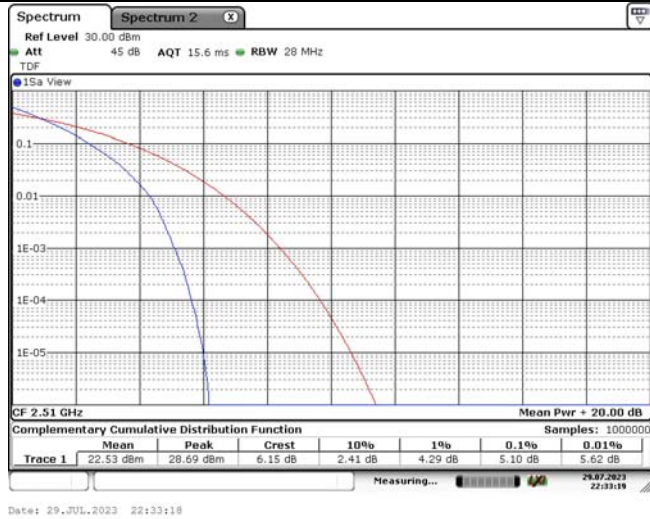
Band7-15MHz-16QAM-21375-75RB#0



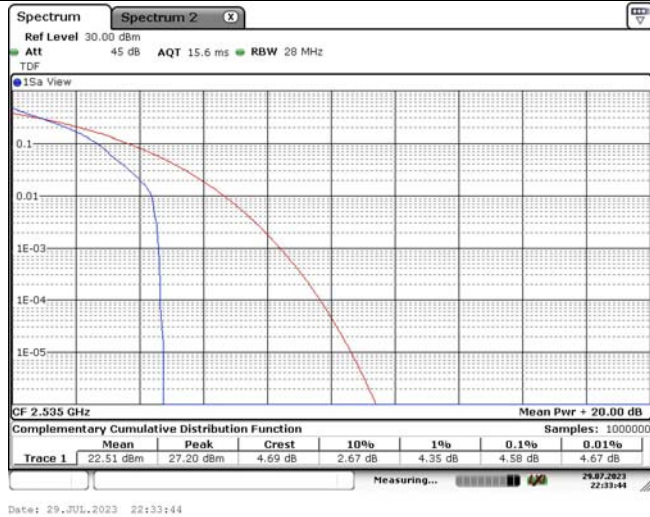
Band7-20MHz-QPSK-20850-1RB#0



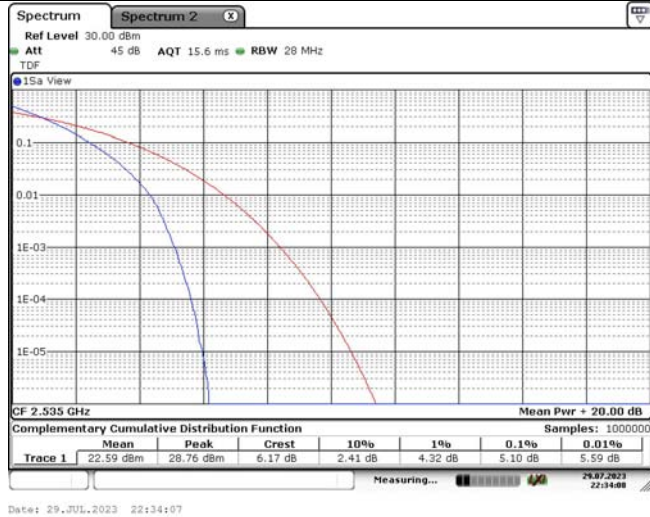
Band7-20MHz-QPSK-20850-100RB#0



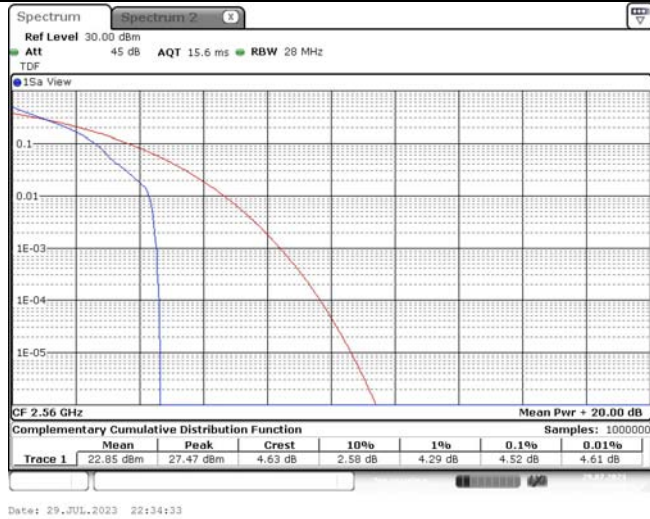
Band7-20MHz-QPSK-21100-1RB#0



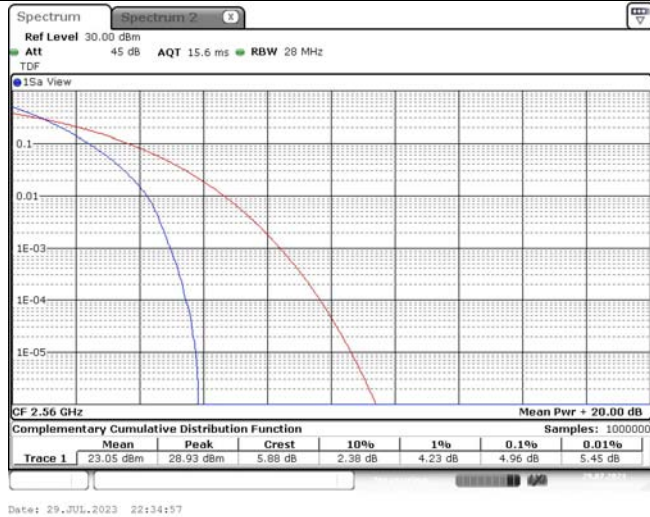
Band7-20MHz-QPSK-21100-100RB#0



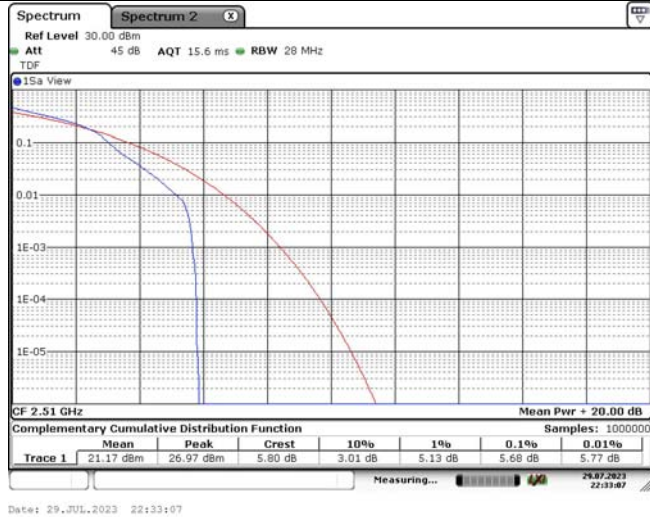
Band7-20MHz-QPSK-21350-1RB#0



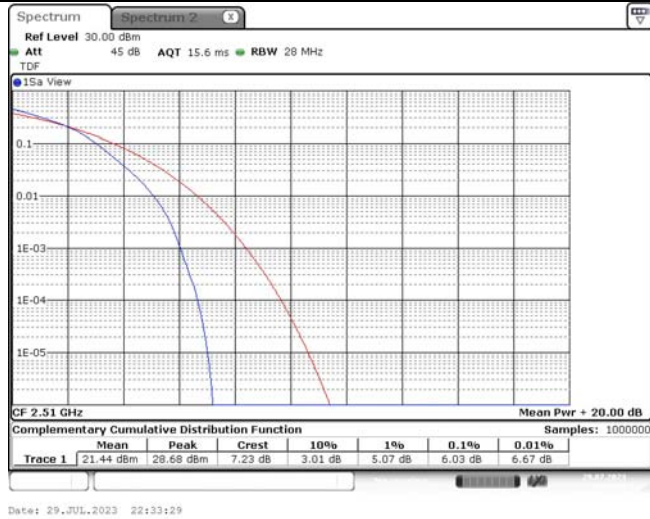
Band7-20MHz-QPSK-21350-100RB#0



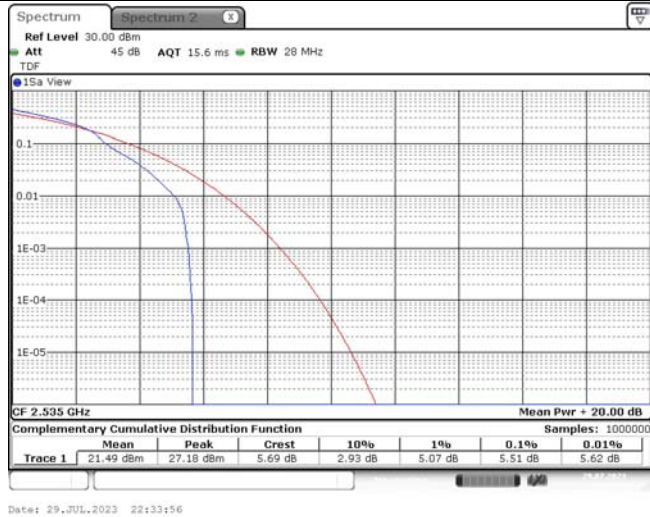
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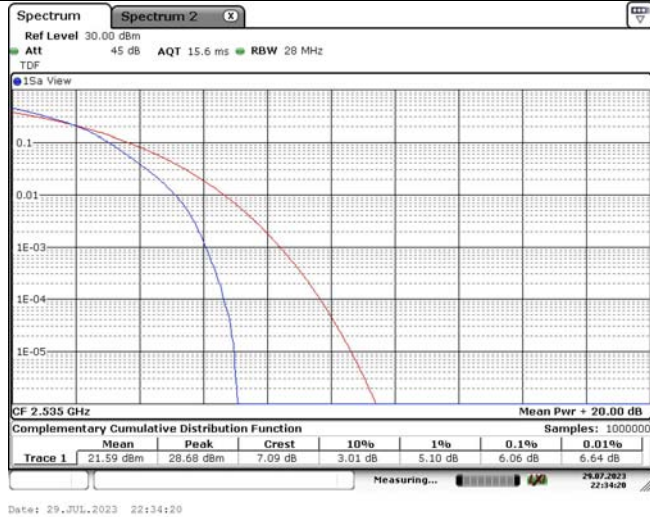
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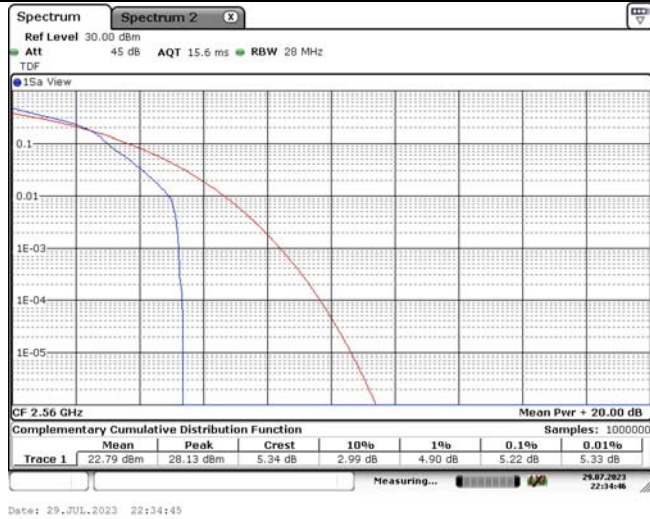
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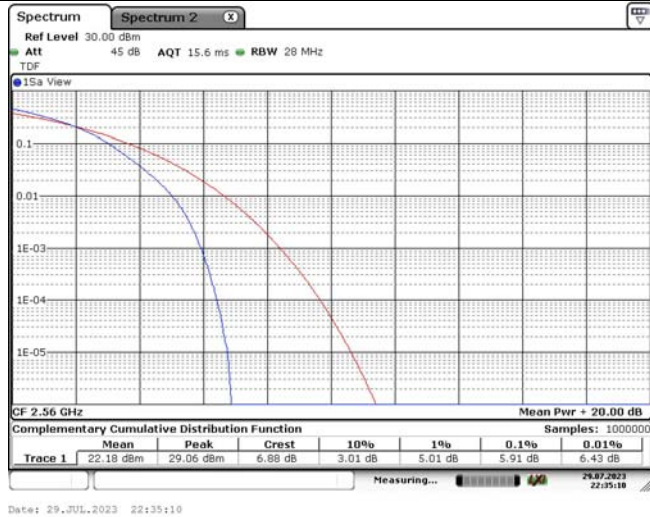
Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-16QAM-21350-1RB#0



Band7-20MHz-16QAM-21350-100RB#0



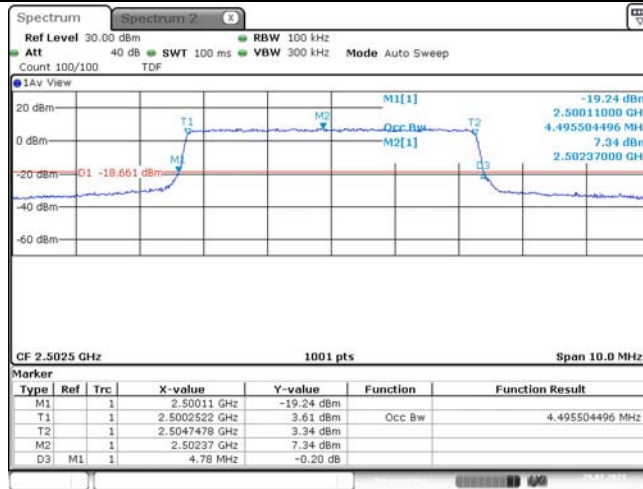
1.3. Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.496	4.780	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.486	4.780	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.496	4.780	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.496	4.780	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.505	4.780	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.505	4.780	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.952	9.533	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.952	9.533	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.952	9.533	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.985	9.533	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.985	9.533	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.952	9.533	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.478	14.300	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.428	14.300	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.478	14.300	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.428	14.300	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.428	14.300	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.478	14.300	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.97	19.333	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.97	19.333	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.97	19.333	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.97	19.333	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.97	19.333	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.97	19.333	PASS

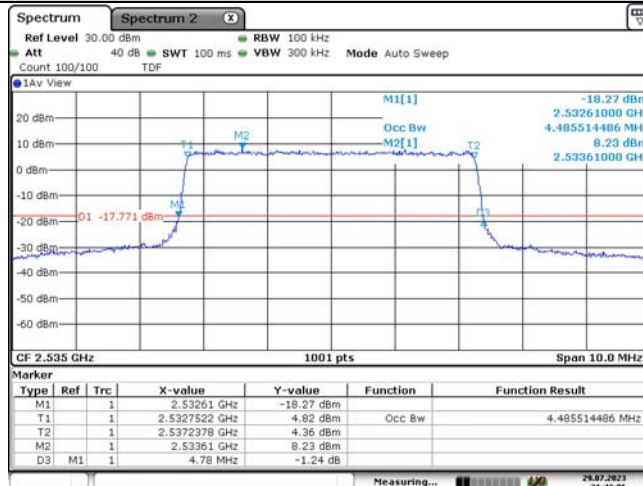
Test Graphs

Band7-5MHz-QPSK-20775-25RB#0-4.496



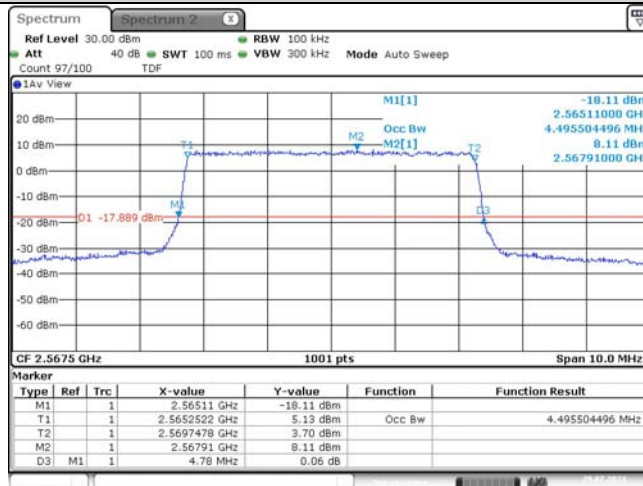
Date: 29.JUL.2023 21:41:19

Band7-5MHz-QPSK-21100-25RB#0-4.486



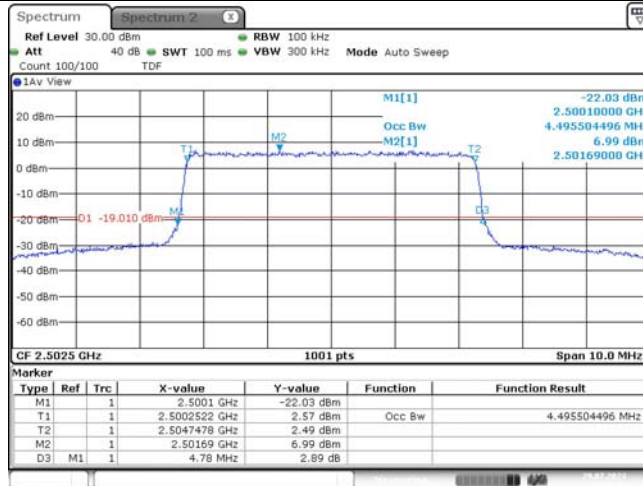
Date: 29.JUL.2023 21:42:05

Band7-5MHz-QPSK-21425-25RB#0-4.496



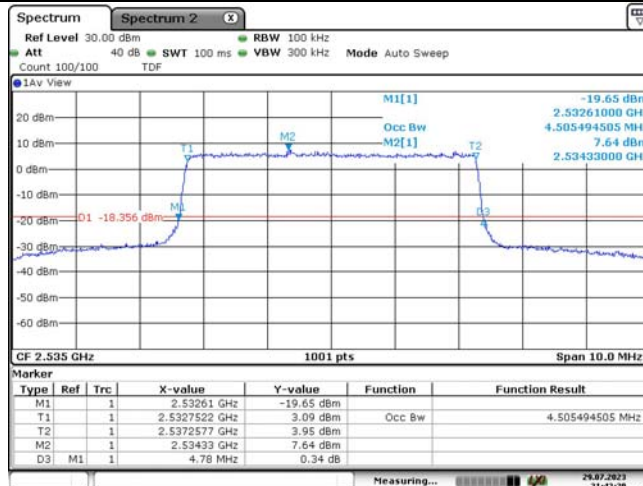
Date: 29.JUL.2023 21:42:53

Band7-5MHz-16QAM-20775-25RB#0-4.496



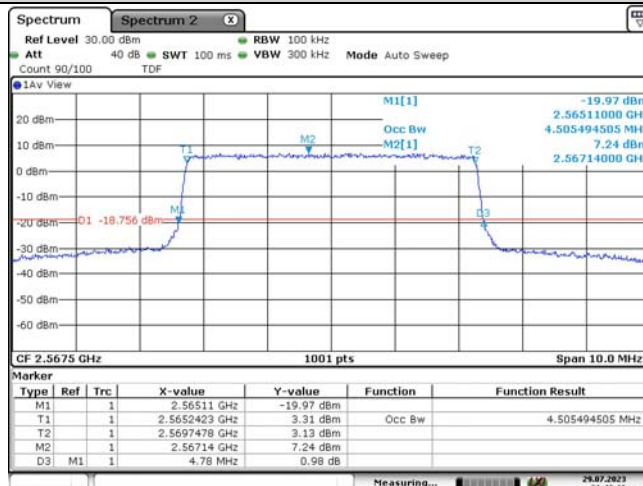
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Band7-5MHz-16QAM-21100-25RB#0-4.505



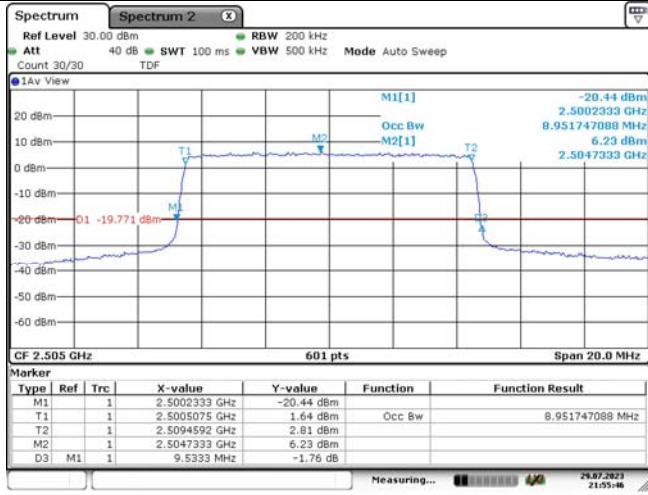
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Band7-5MHz-16QAM-21425-25RB#0-4.505

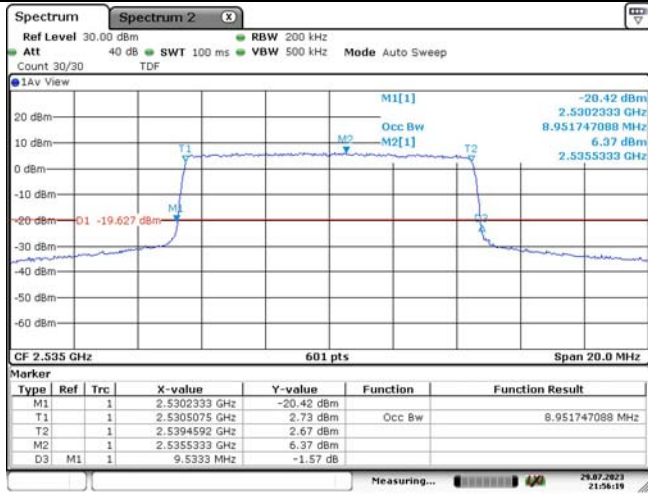


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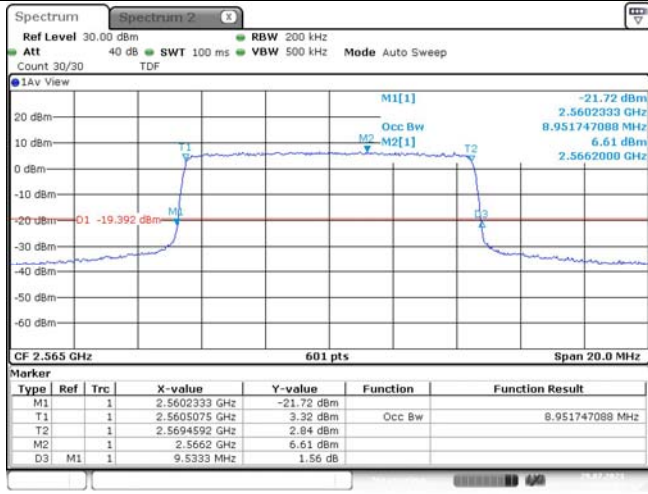
Band7-10MHz-QPSK-20800-50RB#0-8.952



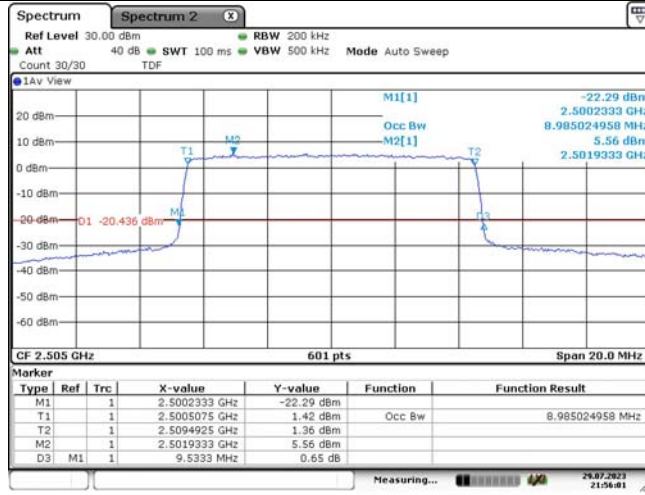
Band7-10MHz-QPSK-21100-50RB#0-8.952



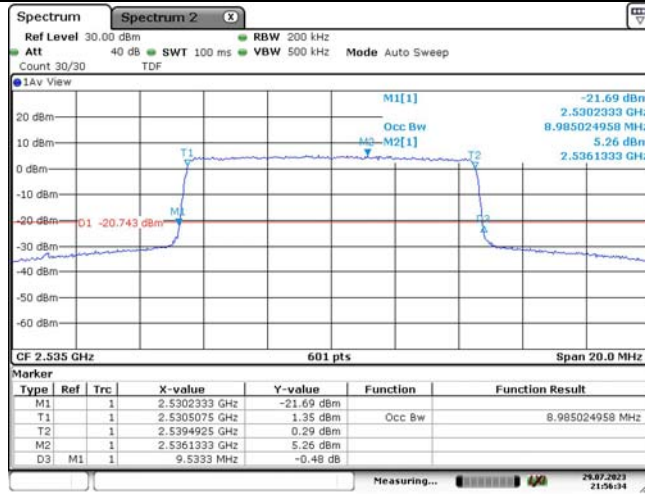
Band7-10MHz-QPSK-21400-50RB#0-8.952



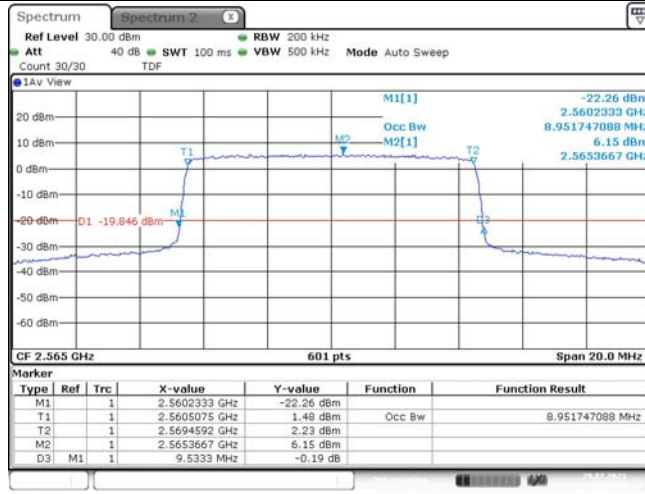
Band7-10MHz-16QAM-20800-50RB#0-8.985



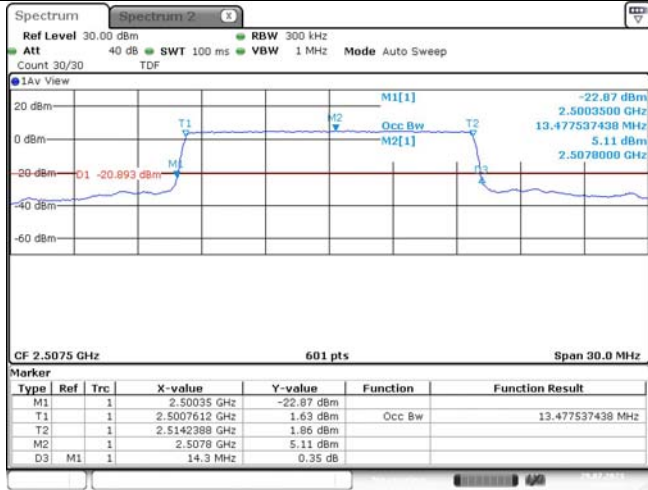
Band7-10MHz-16QAM-21100-50RB#0-8.985



Band7-10MHz-16QAM-21400-50RB#0-8.952

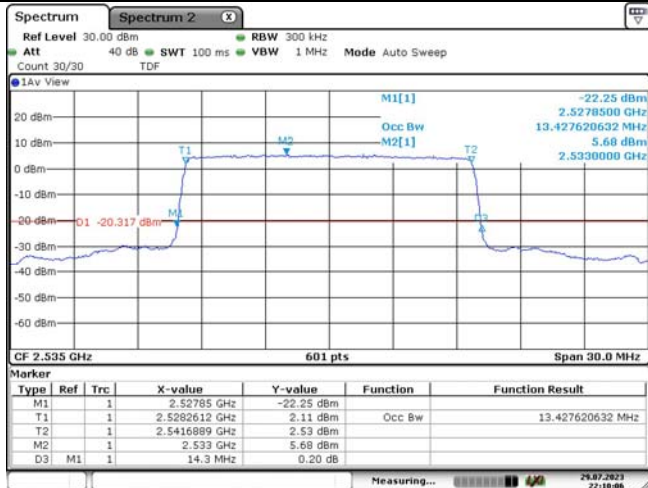


Band7-15MHz-QPSK-20825-75RB#0-13.478



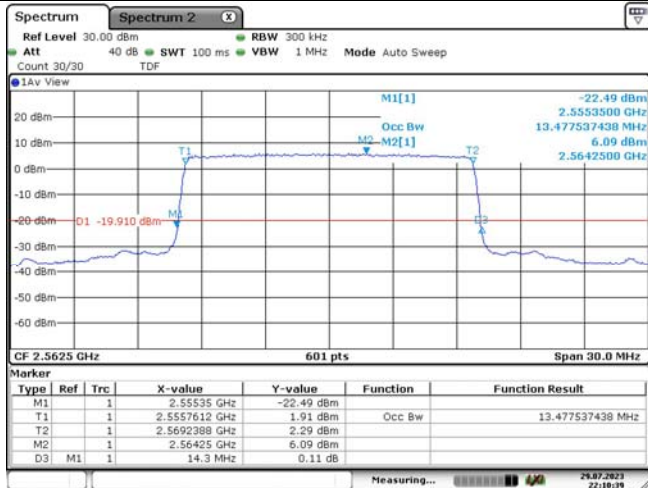
Date: 29.JUL.2023 22:09:34

Band7-15MHz-QPSK-21100-75RB#0-13.428



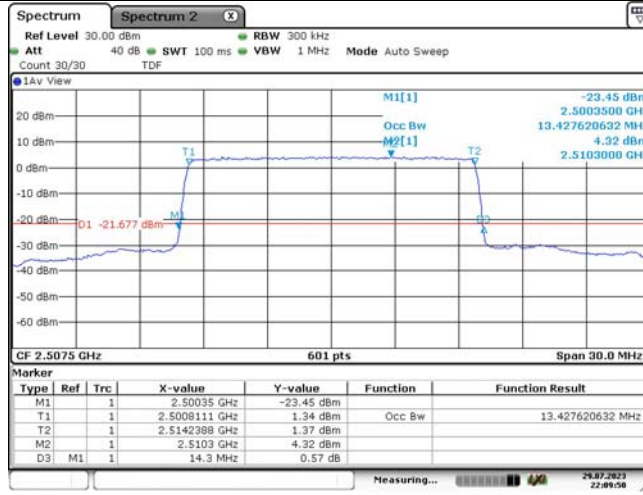
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Band7-15MHz-QPSK-21375-75RB#0-13.478



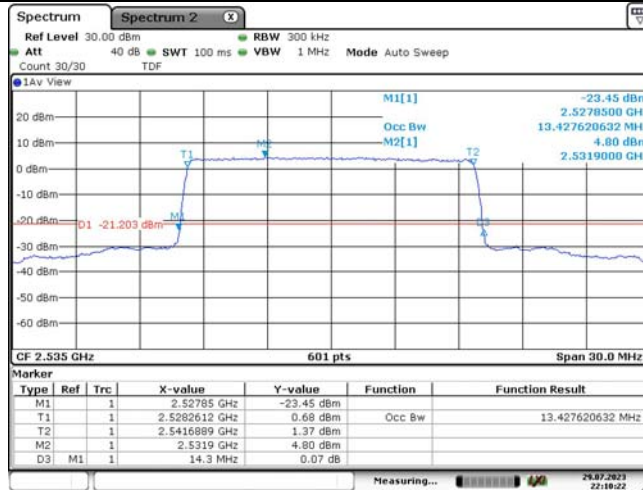
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Band7-15MHz-16QAM-20825-75RB#0-13.428



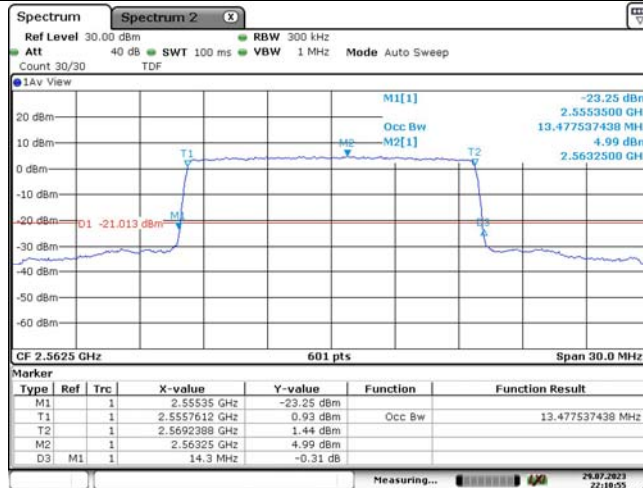
Date: 29.JUL.2023 22:09:50

Band7-15MHz-16QAM-21100-75RB#0-13.428



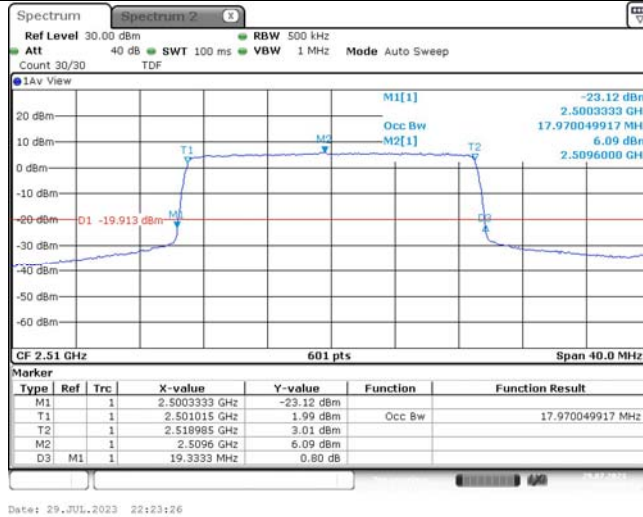
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Band7-15MHz-16QAM-21375-75RB#0-13.478

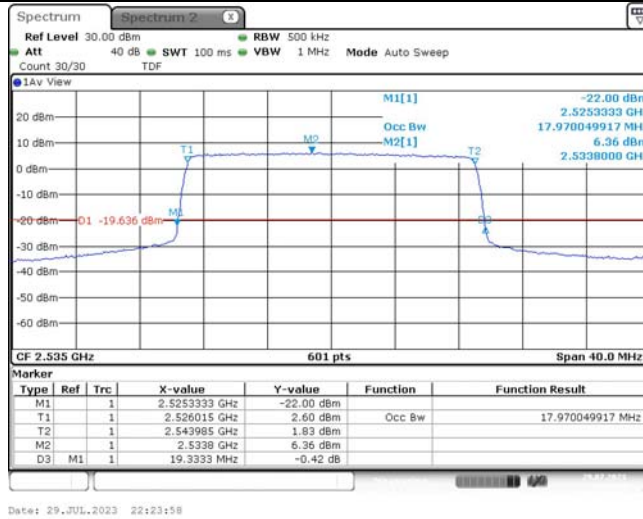


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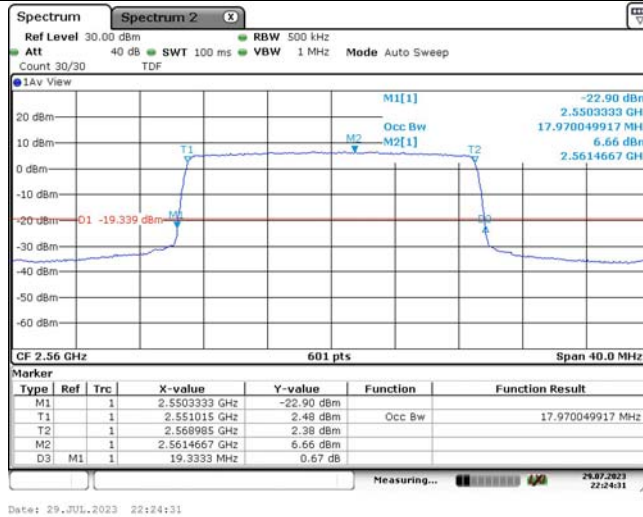
Band7-20MHz-QPSK-20850-100RB#0-17.97



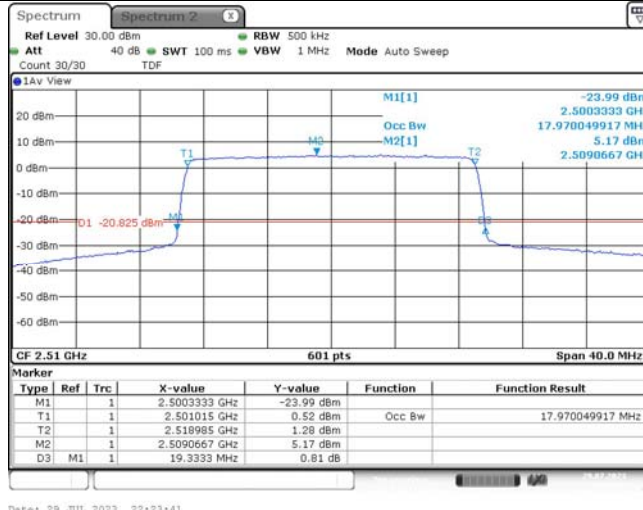
Band7-20MHz-QPSK-21100-100RB#0-17.97



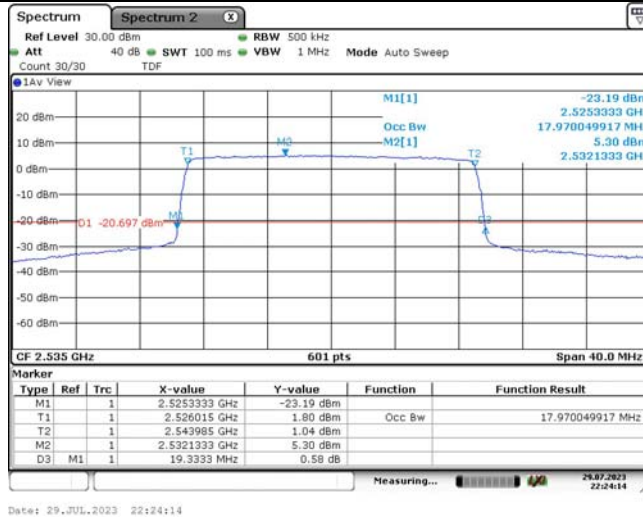
Band7-20MHz-QPSK-21350-100RB#0-17.97



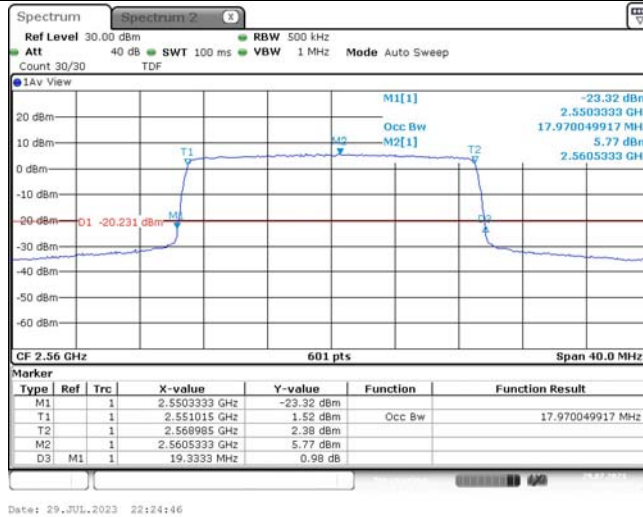
Band7-20MHz-16QAM-20850-100RB#0-17.97



Band7-20MHz-16QAM-21100-100RB#0-17.97



Band7-20MHz-16QAM-21350-100RB#0-17.97



1.4. Appendix D: Band Edge

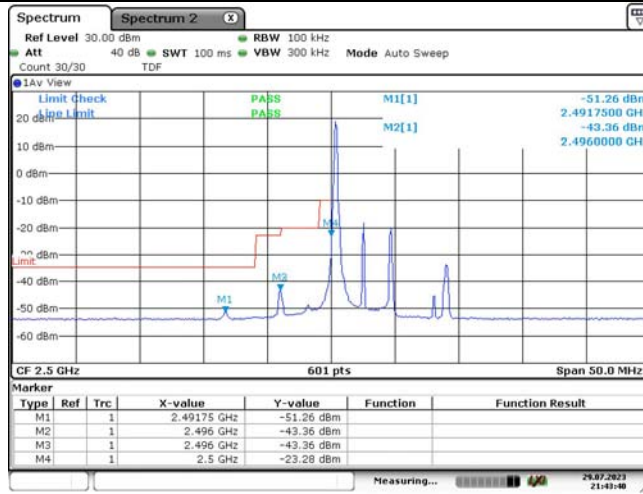
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-51.26,-43.36,-43.36,-23.28	PASS
Band7	5MHz	QPSK	20775	1RB#24	-53.46,-42.33,-42.33,-50.91	PASS
Band7	5MHz	QPSK	20775	25RB#0	-49.23,-38.85,-35.45,-29.33	PASS
Band7	5MHz	QPSK	21425	1RB#0	-50.69,-33.43,-52.95,-53.09	PASS
Band7	5MHz	QPSK	21425	1RB#24	-24.15,-43.93,-52.35,-49.93	PASS
Band7	5MHz	QPSK	21425	25RB#0	-30.59,-36.61,-44.79,-47.21	PASS
Band7	5MHz	16QAM	20775	1RB#0	-52.38,-45.41,-45.41,-25.45	PASS
Band7	5MHz	16QAM	20775	1RB#24	-53.48,-44.80,-44.80,-51.43	PASS
Band7	5MHz	16QAM	20775	25RB#0	-49.40,-42.96,-34.45,-29.59	PASS
Band7	5MHz	16QAM	21425	1RB#0	-50.82,-35.10,-52.99,-52.95	PASS
Band7	5MHz	16QAM	21425	1RB#24	-24.08,-45.01,-52.55,-50.98	PASS
Band7	5MHz	16QAM	21425	25RB#0	-30.21,-34.97,-45.83,-48.15	PASS
Band7	10MHz	QPSK	20800	1RB#0	-50.38,-42.28,-47.12,-33.38	PASS
Band7	10MHz	QPSK	20800	1RB#49	-50.60,-35.07,-49.84,-49.15	PASS
Band7	10MHz	QPSK	20800	50RB#0	-47.09,-38.31,-34.06,-31.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	-49.01,-50.01,-39.81,-50.20	PASS
Band7	10MHz	QPSK	21400	1RB#49	-32.55,-46.38,-43.35,-50.11	PASS
Band7	10MHz	QPSK	21400	50RB#0	-32.11,-35.59,-37.38,-44.45	PASS
Band7	10MHz	16QAM	20800	1RB#0	-50.56,-43.69,-47.58,-33.94	PASS
Band7	10MHz	16QAM	20800	1RB#49	-50.69,-35.74,-50.06,-49.79	PASS
Band7	10MHz	16QAM	20800	50RB#0	-47.53,-37.32,-33.59,-31.07	PASS
Band7	10MHz	16QAM	21400	1RB#0	-49.22,-50.04,-41.82,-50.23	PASS
Band7	10MHz	16QAM	21400	1RB#49	-33.32,-46.87,-44.78,-50.15	PASS
Band7	10MHz	16QAM	21400	50RB#0	-31.34,-33.97,-37.17,-44.95	PASS
Band7	15MHz	QPSK	20825	1RB#0	-42.73,-45.69,-45.58,-33.52	PASS
Band7	15MHz	QPSK	20825	1RB#74	-36.65,-47.74,-48.36,-47.78	PASS
Band7	15MHz	QPSK	20825	75RB#0	-41.23,-37.41,-33.45,-32.25	PASS
Band7	15MHz	QPSK	21375	1RB#0	-47.29,-47.92,-38.80,-47.89	PASS
Band7	15MHz	QPSK	21375	1RB#74	-33.56,-45.15,-42.94,-47.89	PASS
Band7	15MHz	QPSK	21375	75RB#0	-32.81,-34.57,-36.96,-43.47	PASS
Band7	15MHz	16QAM	20825	1RB#0	-43.83,-46.11,-46.06,-34.15	PASS
Band7	15MHz	16QAM	20825	1RB#74	-38.56,-47.89,-48.36,-48.02	PASS
Band7	15MHz	16QAM	20825	75RB#0	-42.23,-35.96,-32.99,-32.61	PASS

Band7	15MHz	16QAM	21375	1RB#0	-47.39,-47.92,-40.24,-47.93	PASS
Band7	15MHz	16QAM	21375	1RB#74	-34.07,-45.61,-43.79,-47.92	PASS
Band7	15MHz	16QAM	21375	75RB#0	-32.60,-32.83,-36.20,-43.99	PASS
Band7	20MHz	QPSK	20850	1RB#0	-44.37,-44.28,-43.79,-29.84	PASS
Band7	20MHz	QPSK	20850	1RB#99	-42.63,-46.14,-46.44,-46.30	PASS
Band7	20MHz	QPSK	20850	100RB#0	-38.78,-35.75,-32.52,-30.67	PASS
Band7	20MHz	QPSK	21350	1RB#0	-45.71,-46.07,-36.10,-46.08	PASS
Band7	20MHz	QPSK	21350	1RB#99	-28.58,-43.20,-41.69,-46.01	PASS
Band7	20MHz	QPSK	21350	100RB#0	-31.76,-33.95,-36.58,-44.58	PASS
Band7	20MHz	16QAM	20850	1RB#0	-44.56,-44.44,-44.10,-30.08	PASS
Band7	20MHz	16QAM	20850	1RB#99	-43.57,-46.20,-46.55,-46.35	PASS
Band7	20MHz	16QAM	20850	100RB#0	-38.37,-34.80,-32.11,-31.20	PASS
Band7	20MHz	16QAM	21350	1RB#0	-45.83,-46.09,-37.78,-46.03	PASS
Band7	20MHz	16QAM	21350	1RB#99	-29.60,-43.64,-43.09,-46.03	PASS
Band7	20MHz	16QAM	21350	100RB#0	-31.04,-32.40,-35.12,-44.56	PASS

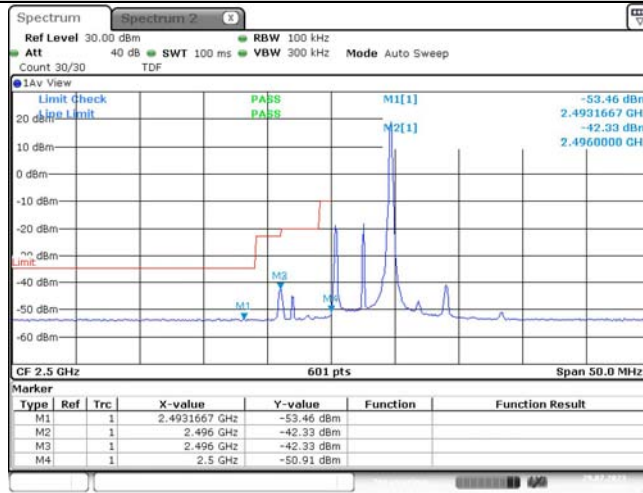
Test Graphs

Band7-5MHz-QPSK-20775-1RB#0



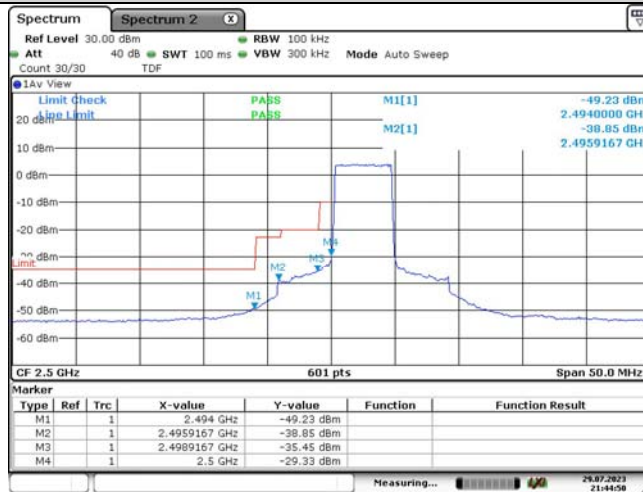
Date: 29.JUL.2023 21:43:40

Band7-5MHz-QPSK-20775-1RB#24



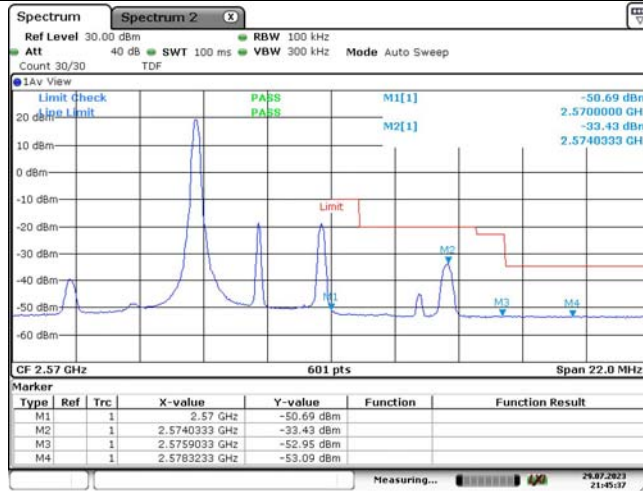
Date: 29.JUL.2023 21:44:15

Band7-5MHz-QPSK-20775-25RB#0



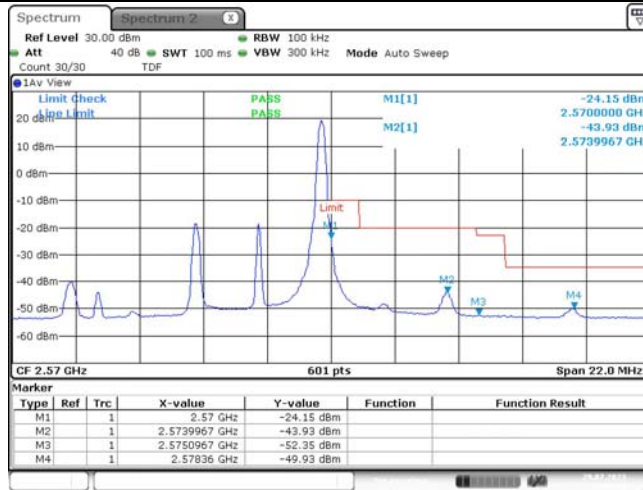
Date: 29.JUL.2023 21:44:50

Band7-5MHz-QPSK-21425-1RB#0



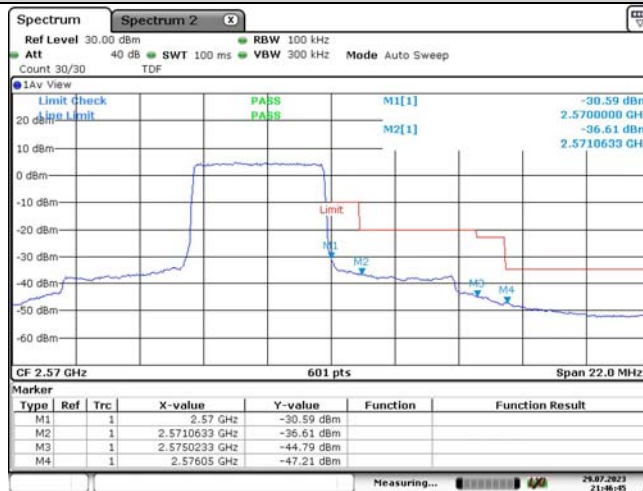
Date: 29.JUL.2023 21:45:37

Band7-5MHz-QPSK-21425-1RB#24



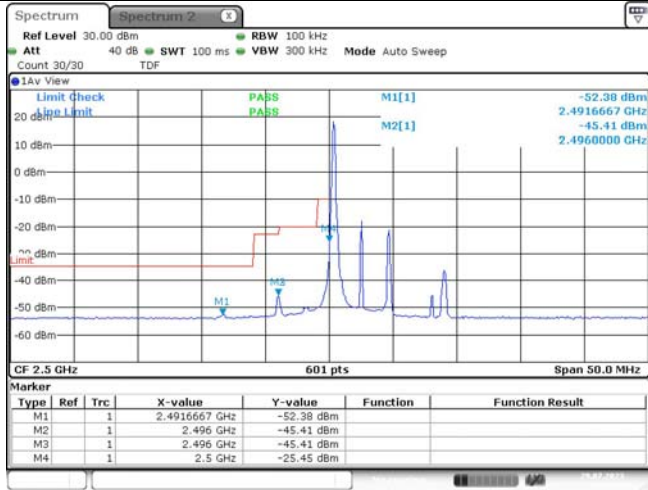
Date: 29.JUL.2023 21:46:11

Band7-5MHz-QPSK-21425-25RB#0



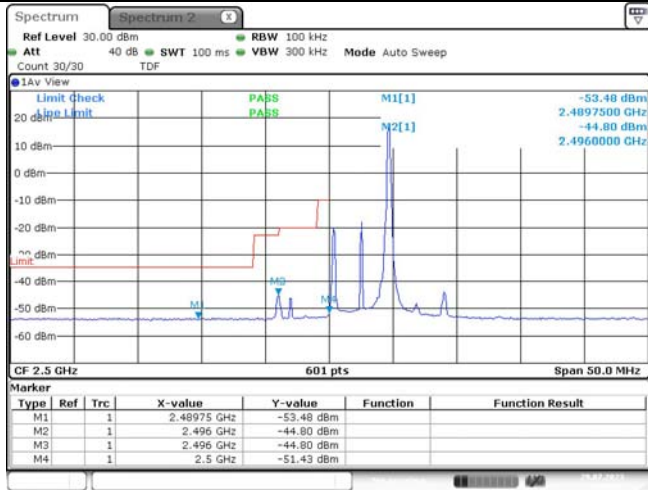
Date: 29.JUL.2023 21:46:45

Band7-5MHz-16QAM-20775-1RB#0



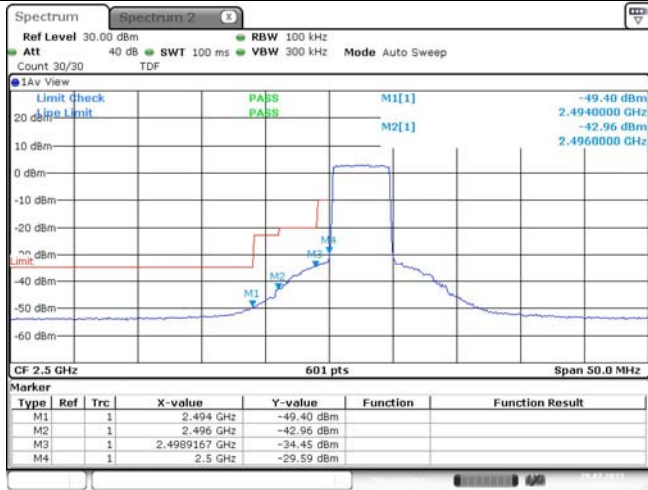
Date: 29.JUL.2023 21:43:57

Band7-5MHz-16QAM-20775-1RB#24



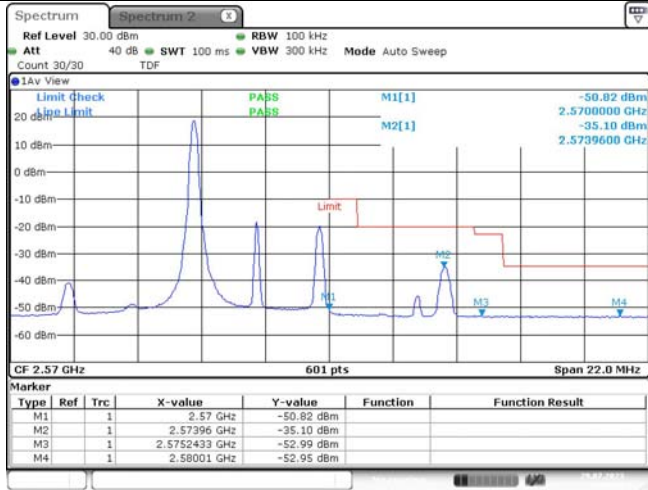
Date: 29.JUL.2023 21:44:32

Band7-5MHz-16QAM-20775-25RB#0

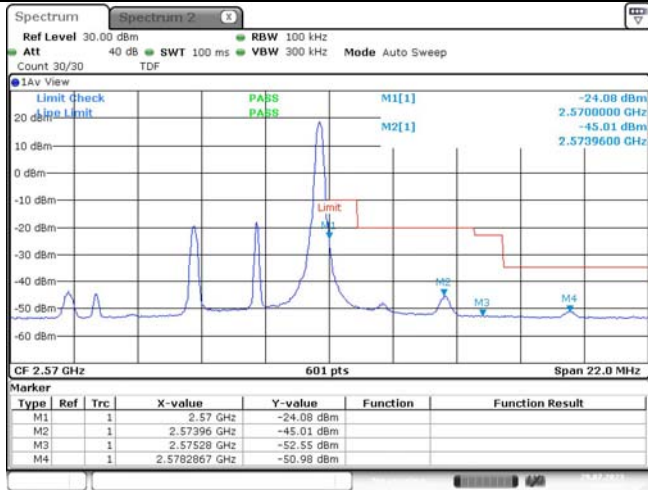


Date: 29.JUL.2023 21:45:07

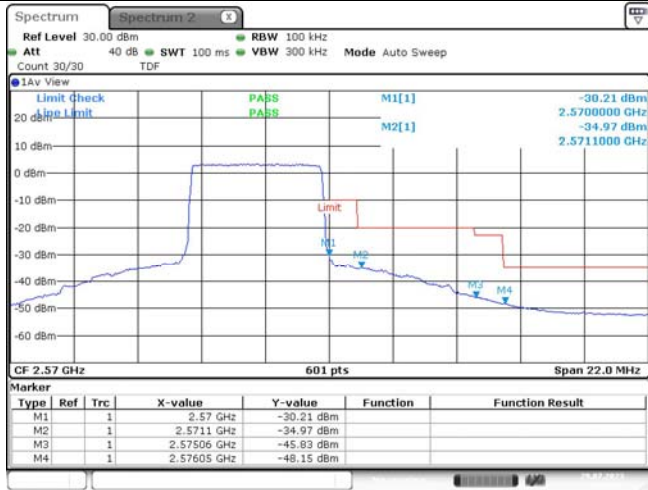
Band7-5MHz-16QAM-21425-1RB#0



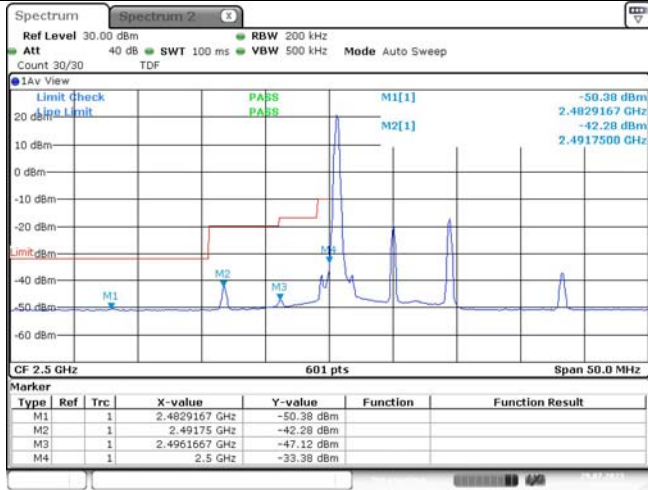
Band7-5MHz-16QAM-21425-1RB#24



Band7-5MHz-16QAM-21425-25RB#0

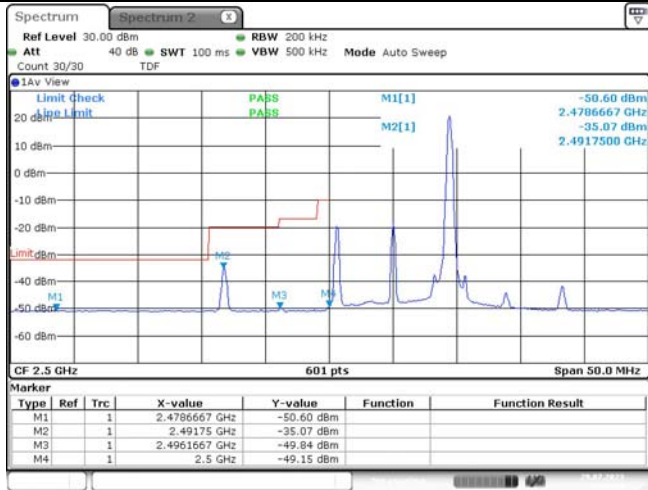


Band7-10MHz-QPSK-20800-1RB#0



Date: 29.JUL.2023 21:57:28

Band7-10MHz-QPSK-20800-1RB#49



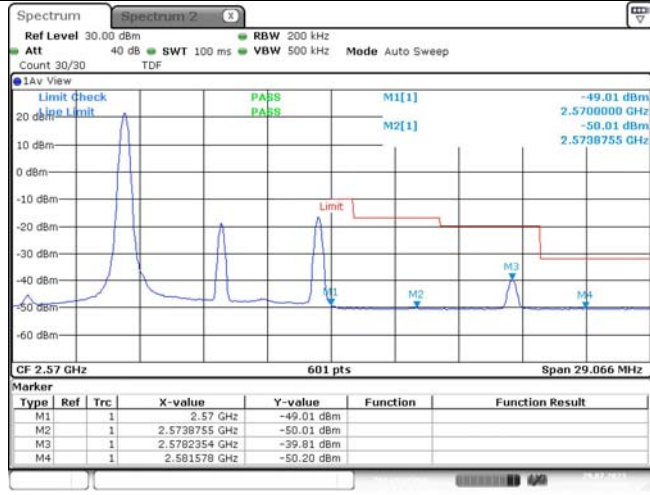
Date: 29.JUL.2023 21:58:04

Band7-10MHz-QPSK-20800-50RB#0



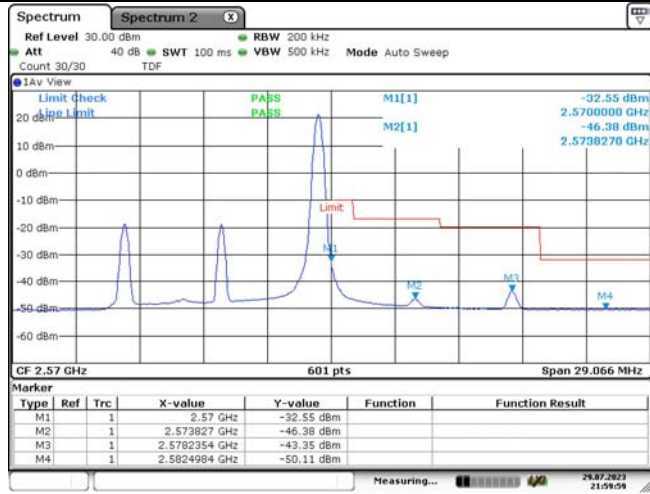
Date: 29.JUL.2023 21:58:38

Band7-10MHz-QPSK-21400-1RB#0



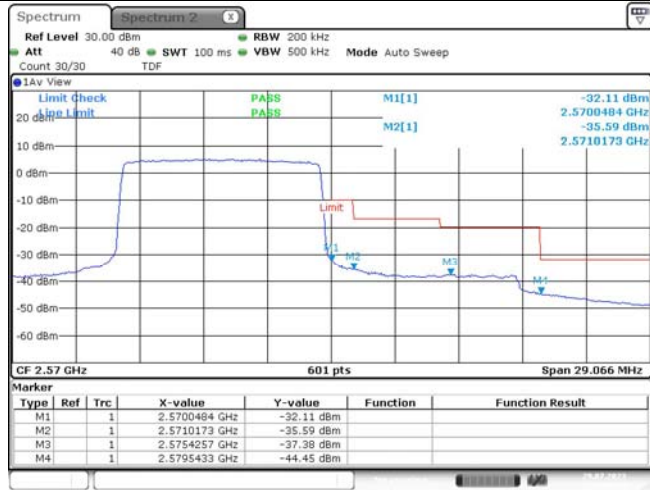
Date: 29.JUL.2023 21:59:24

Band7-10MHz-QPSK-21400-1RB#49



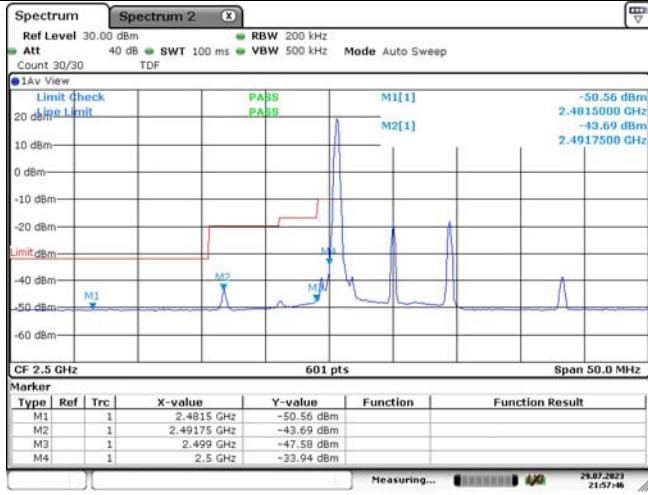
Date: 29.JUL.2023 21:59:58

Band7-10MHz-QPSK-21400-50RB#0



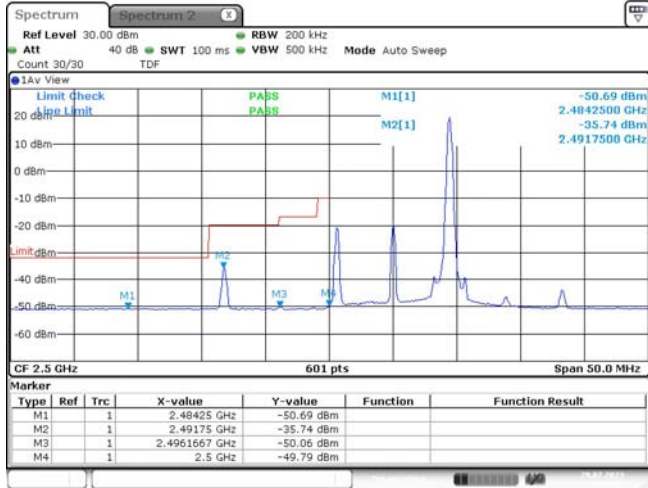
Date: 29.JUL.2023 22:00:33

Band7-10MHz-16QAM-20800-1RB#0



Date: 29.JUL.2023 21:57:46

Band7-10MHz-16QAM-20800-1RB#49



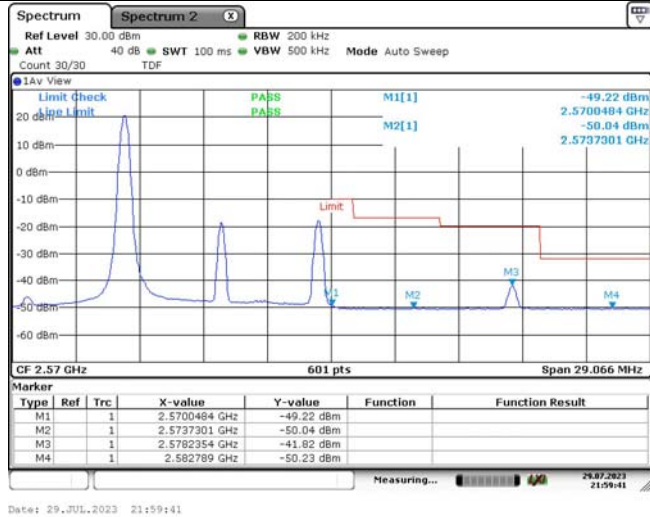
Date: 29.JUL.2023 21:58:21

Band7-10MHz-16QAM-20800-50RB#0



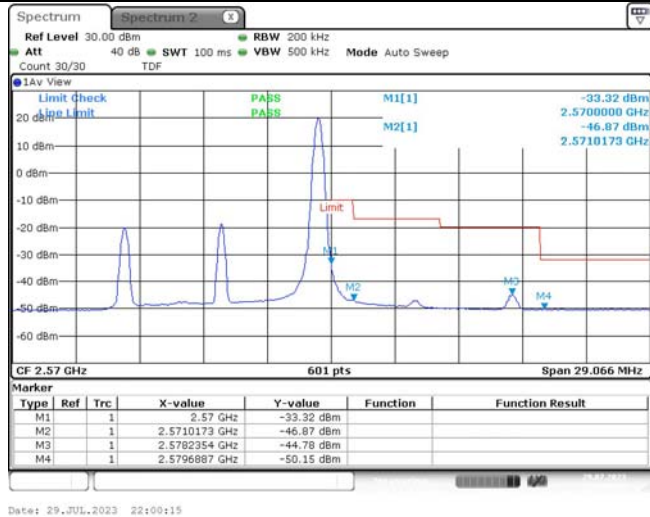
Date: 29.JUL.2023 21:58:56

Band7-10MHz-16QAM-21400-1RB#0



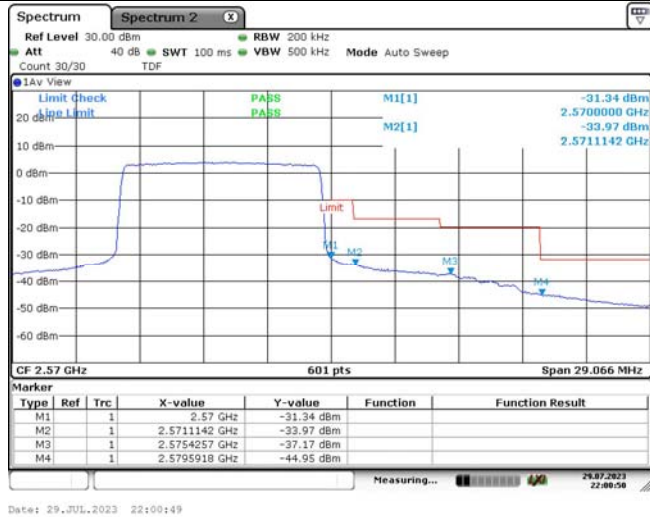
Date: 29.JUL.2023 21:59:41

Band7-10MHz-16QAM-21400-1RB#49



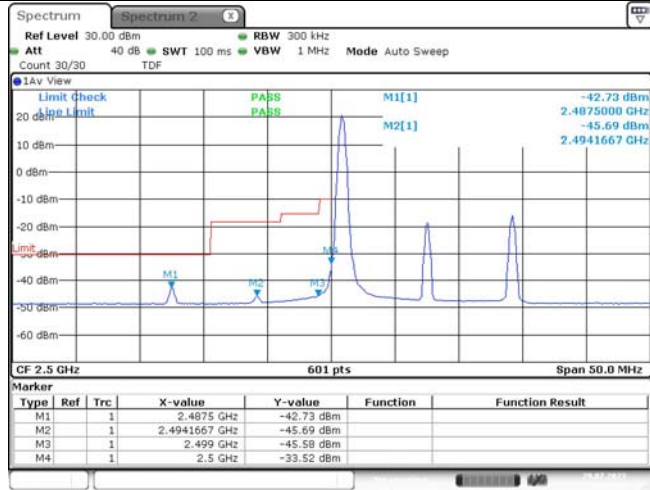
Date: 29.JUL.2023 22:00:15

Band7-10MHz-16QAM-21400-50RB#0



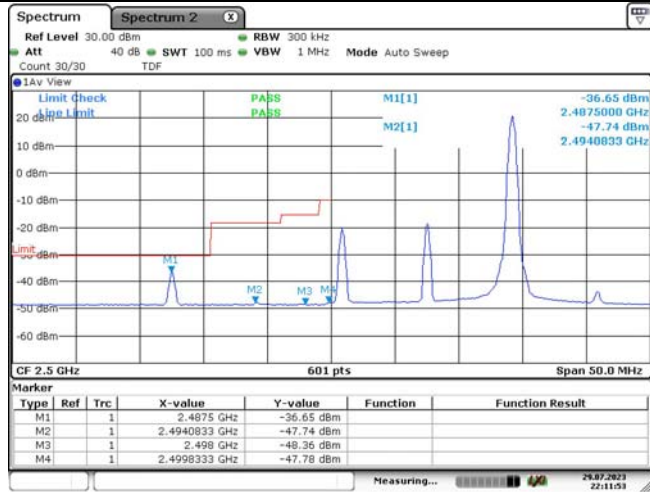
Date: 29.JUL.2023 22:00:49

Band7-15MHz-QPSK-20825-1RB#0



Date: 29.JUL.2023 22:11:16

Band7-15MHz-QPSK-20825-1RB#74



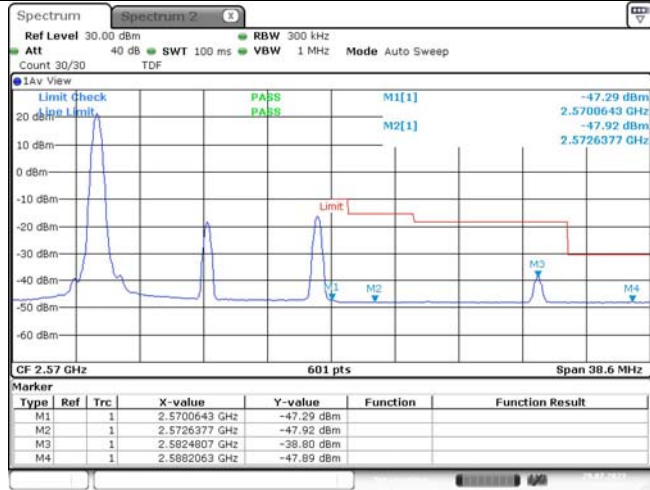
Date: 29.JUL.2023 22:11:52

Band7-15MHz-QPSK-20825-75RB#0



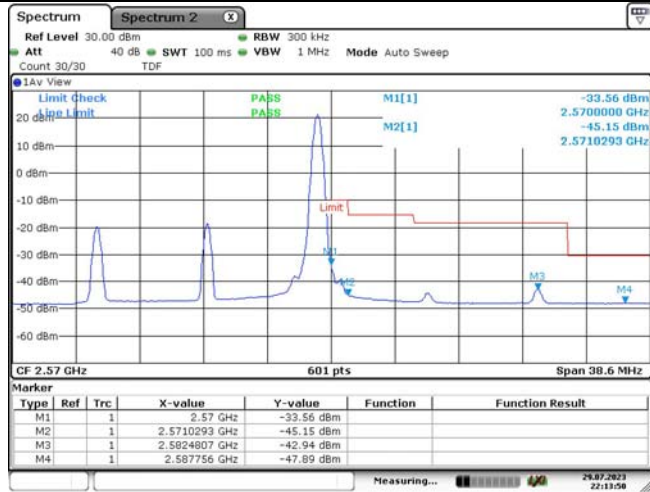
Date: 29.JUL.2023 22:12:26

Band7-15MHz-QPSK-21375-1RB#0



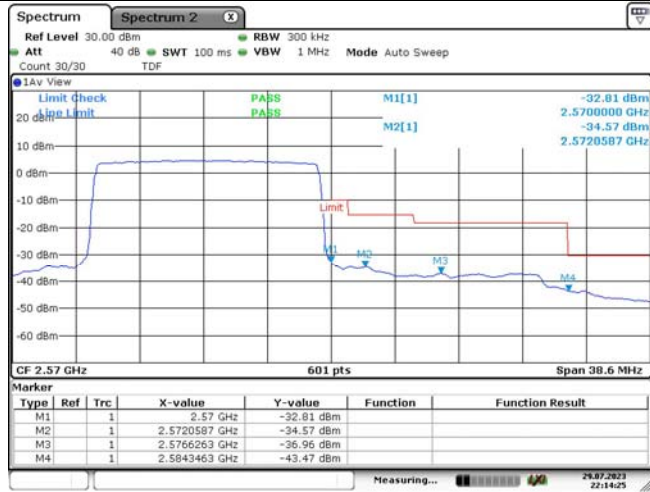
Date: 29.JUL.2023 22:13:15

Band7-15MHz-QPSK-21375-1RB#74



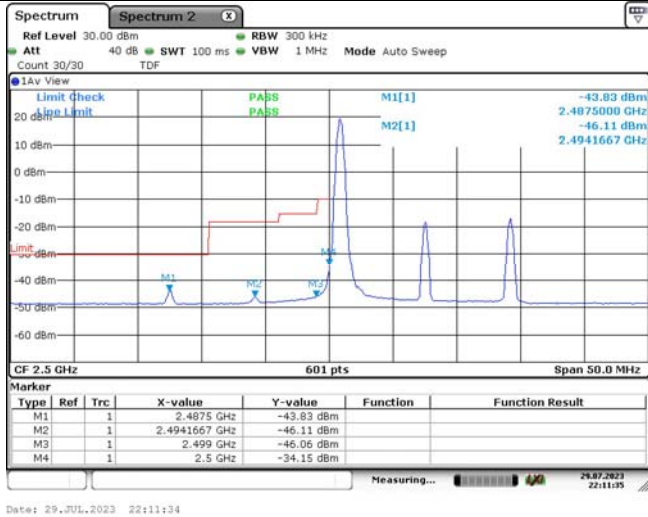
Date: 29.JUL.2023 22:13:50

Band7-15MHz-QPSK-21375-75RB#0



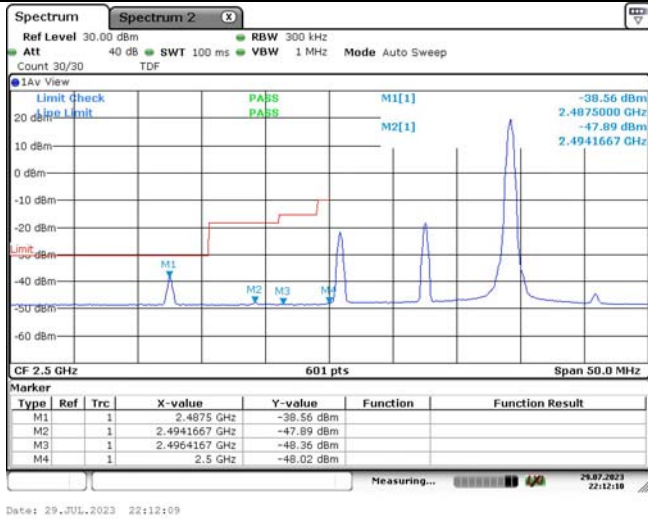
Date: 29.JUL.2023 22:14:25

Band7-15MHz-16QAM-20825-1RB#0



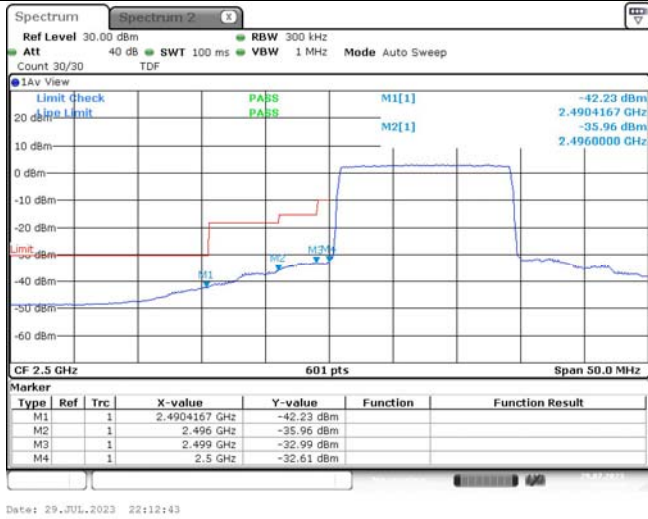
Date: 29.JUL.2023 22:11:34

Band7-15MHz-16QAM-20825-1RB#74



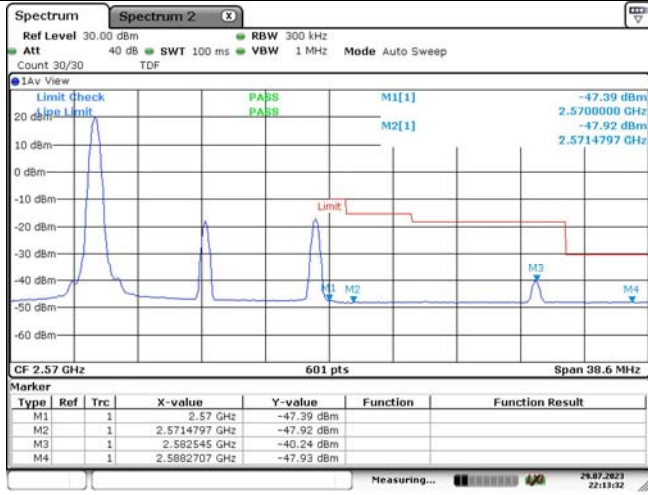
Date: 29.JUL.2023 22:12:09

Band7-15MHz-16QAM-20825-75RB#0



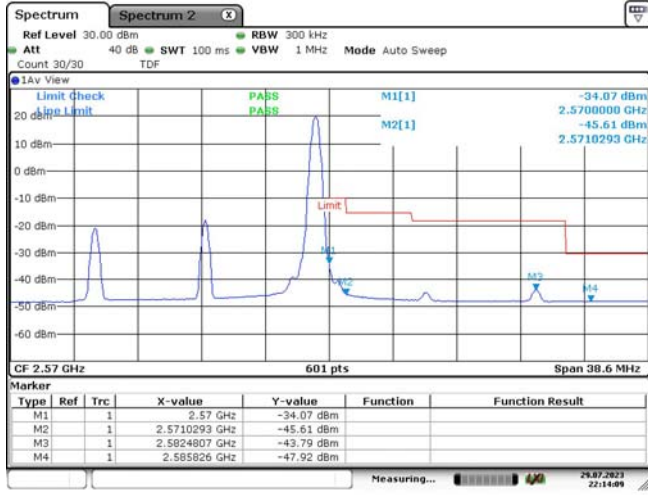
Date: 29.JUL.2023 22:12:43

Band7-15MHz-16QAM-21375-1RB#0



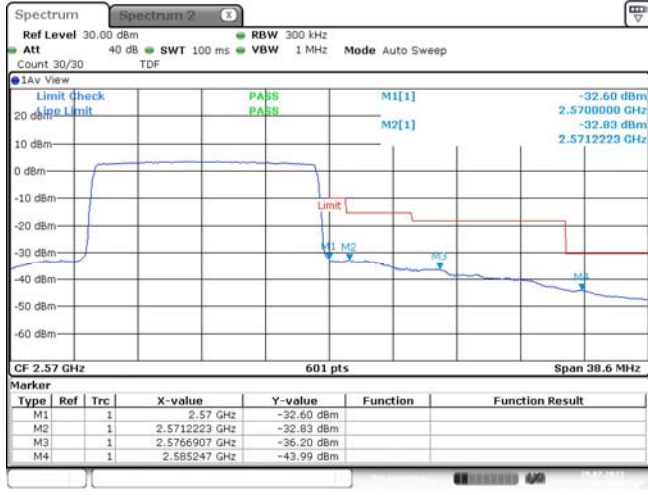
Date: 29.JUL.2023 22:13:32

Band7-15MHz-16QAM-21375-1RB#74



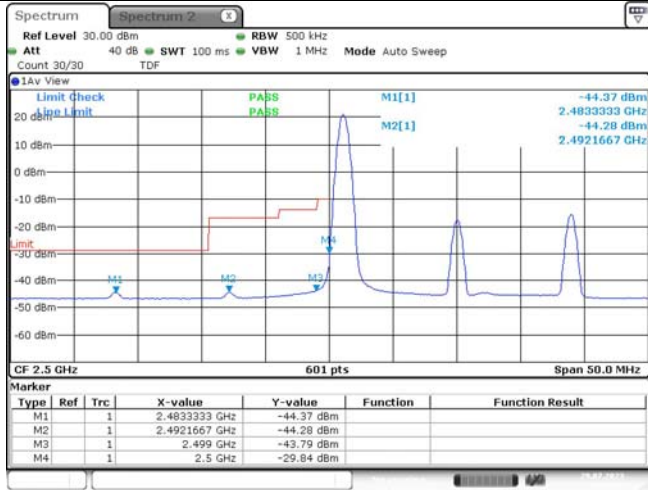
Date: 29.JUL.2023 22:14:09

Band7-15MHz-16QAM-21375-75RB#0



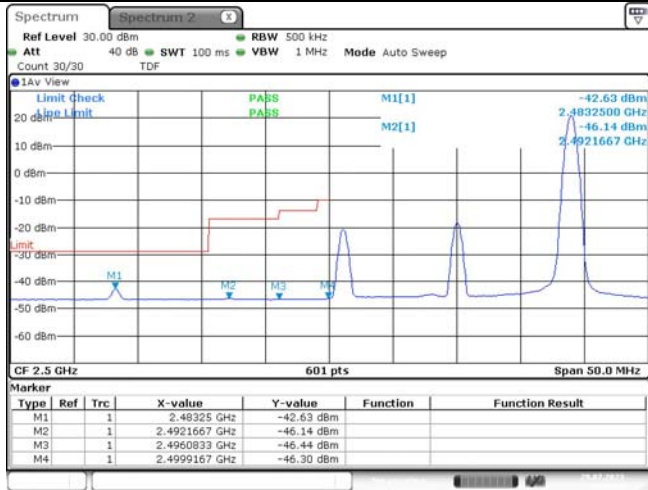
Date: 29.JUL.2023 22:14:41

Band7-20MHz-QPSK-20850-1RB#0



Date: 29.JUL.2023 22:25:09

Band7-20MHz-QPSK-20850-1RB#99



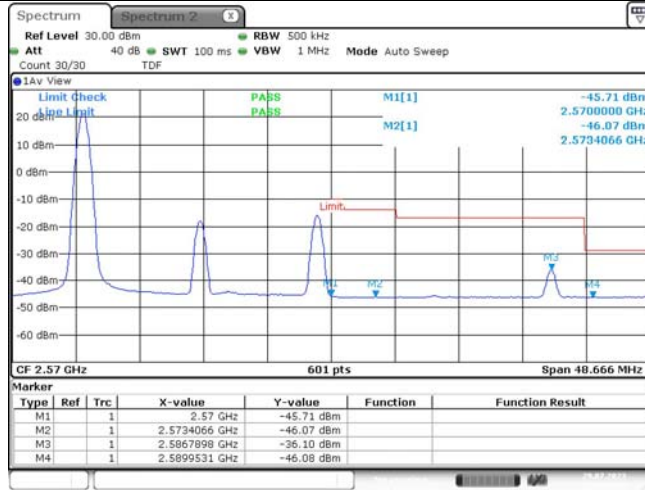
Date: 29.JUL.2023 22:25:43

Band7-20MHz-QPSK-20850-100RB#0



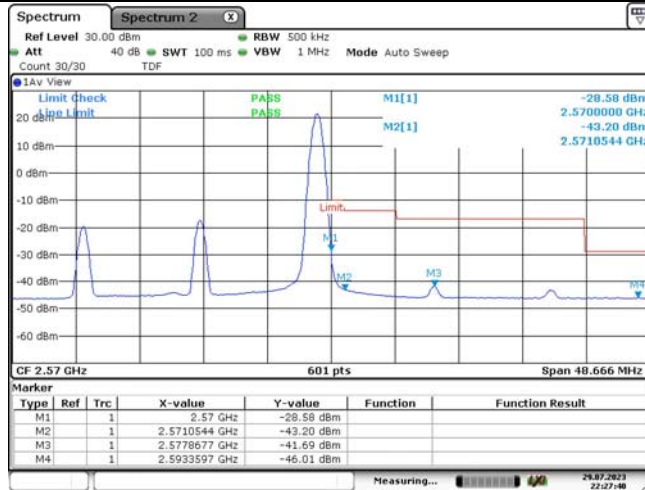
Date: 29.JUL.2023 22:26:17

Band7-20MHz-QPSK-21350-1RB#0



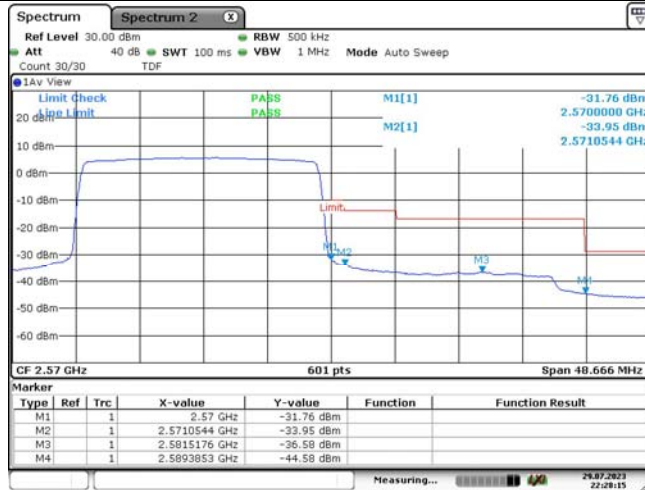
Date: 29.JUL.2023 22:27:05

Band7-20MHz-QPSK-21350-1RB#99



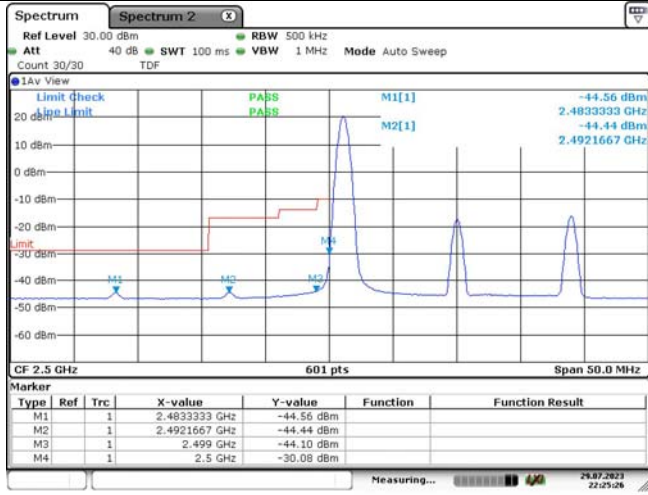
Date: 29.JUL.2023 22:27:39

Band7-20MHz-QPSK-21350-100RB#0



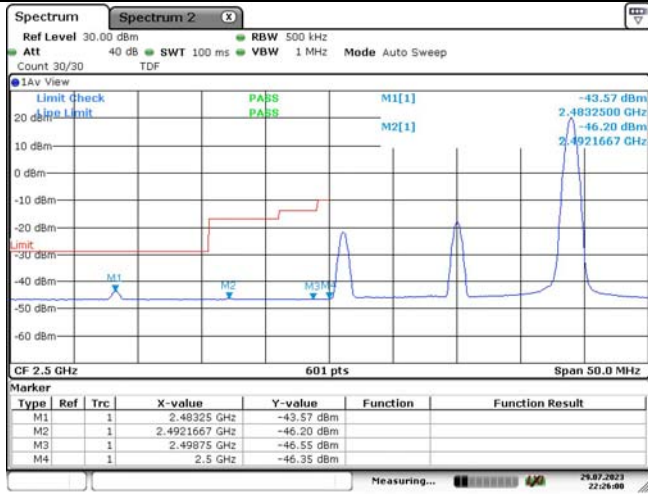
Date: 29.JUL.2023 22:28:14

Band7-20MHz-16QAM-20850-1RB#0



Date: 29.JUL.2023 22:25:26

Band7-20MHz-16QAM-20850-1RB#99



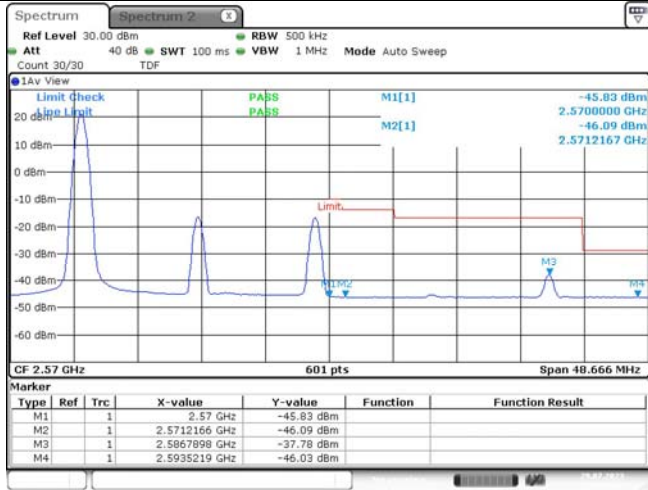
Date: 29.JUL.2023 22:26:00

Band7-20MHz-16QAM-20850-100RB#0



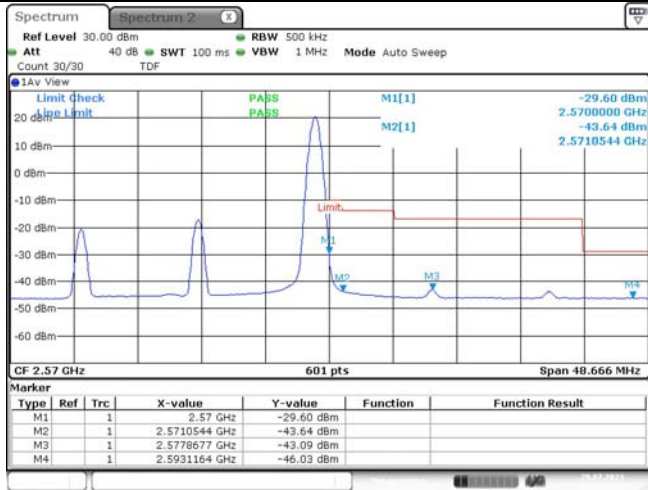
Date: 29.JUL.2023 22:26:35

Band7-20MHz-16QAM-21350-1RB#0



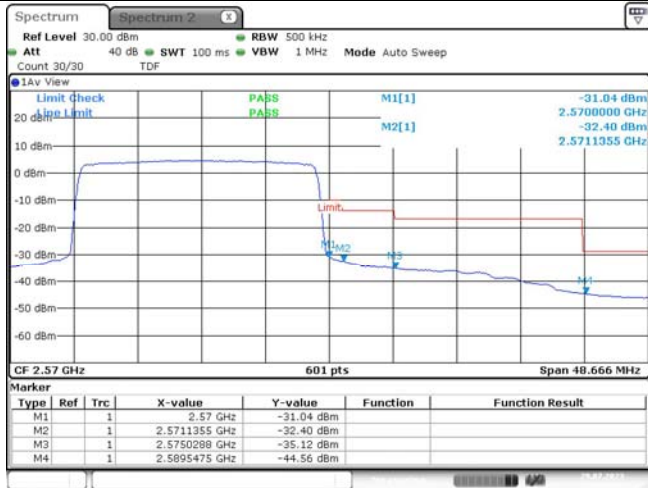
Date: 29.JUL.2023 22:27:22

Band7-20MHz-16QAM-21350-1RB#99



Date: 29.JUL.2023 22:27:57

Band7-20MHz-16QAM-21350-100RB#0



Date: 29.JUL.2023 22:28:32

1.5. Appendix E: Conducted Spurious Emission

Test Result

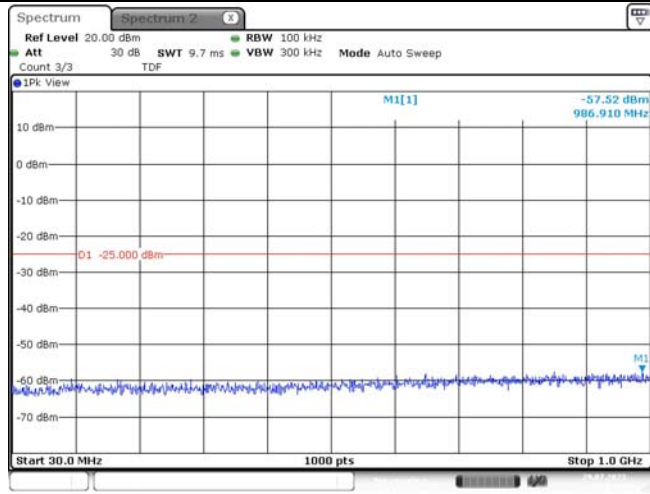
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	Range1:30~1000MHz	-57.52	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range2:1000~3000MHz	-39.68	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range3:3000~26500MHz	-25.93	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-56.84	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range2:1000~3000MHz	-39.67	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range3:3000~26500MHz	-26.12	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:30~1000MHz	-57.7	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range2:1000~3000MHz	-40.39	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range3:3000~26500MHz	-26.4	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range1:30~1000MHz	-57.12	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range2:1000~3000MHz	-39.14	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range3:3000~26500MHz	-25.99	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-57.64	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range2:1000~3000MHz	-40.03	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range3:3000~26500MHz	-26.12	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range1:30~1000MHz	-57.37	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range2:1000~3000MHz	-39.87	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range3:3000~26500MHz	-25.36	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range1:30~1000MHz	-57.67	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range2:1000~3000MHz	-40.32	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range3:3000~26500MHz	-26.03	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-57.26	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range2:1000~3000MHz	-40.46	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range3:3000~26500MHz	-26.33	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range1:30~1000MHz	-57.3	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range2:1000~3000MHz	-40.14	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range3:3000~26500MHz	-26.42	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range1:30~1000MHz	-57.39	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range2:1000~3000MHz	-40.48	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range3:3000~26500MHz	-26.02	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-56.66	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range2:1000~3000MHz	-40.44	PASS

Band7	10MHz	16QAM	21100	1RB#0	Range3:3000~26500MHz	-26.69	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range1:30~1000MHz	-56.91	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range2:1000~3000MHz	-40.5	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range3:3000~26500MHz	-25.5	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range1:30~1000MHz	-57.32	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range2:1000~3000MHz	-40.38	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range3:3000~26500MHz	-25.61	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-57.5	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range2:1000~3000MHz	-40.37	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range3:3000~26500MHz	-26.08	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range1:30~1000MHz	-57.86	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range2:1000~3000MHz	-39.84	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range3:3000~26500MHz	-25.49	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range1:30~1000MHz	-57.25	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range2:1000~3000MHz	-40.57	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range3:3000~26500MHz	-26	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-57.42	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range2:1000~3000MHz	-40.48	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range3:3000~26500MHz	-26.39	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range1:30~1000MHz	-56.5	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range2:1000~3000MHz	-40.17	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range3:3000~26500MHz	-26.07	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range1:30~1000MHz	-57.16	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range2:1000~3000MHz	-39.51	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range3:3000~26500MHz	-25.98	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-57.71	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range2:1000~3000MHz	-39.71	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range3:3000~26500MHz	-25.96	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:30~1000MHz	-57.09	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range2:1000~3000MHz	-40.15	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range3:3000~26500MHz	-25.88	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:30~1000MHz	-57.42	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range2:1000~3000MHz	-40.21	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range3:3000~26500MHz	-25.94	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-57.36	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range2:1000~3000MHz	-39.6	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range3:3000~26500MHz	-26.15	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:30~1000MHz	-57.57	PASS

Band7	20MHz	16QAM	21350	1RB#0	Range2:1000~3000MHz	-40.13	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range3:3000~26500MHz	-26.22	PASS

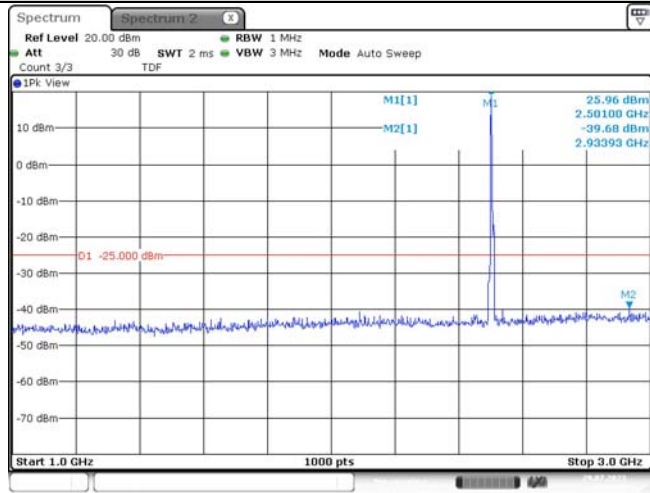
Test Graphs

Band7-5MHz-QPSK-20775-1RB#0-Range1:30~1000MHz



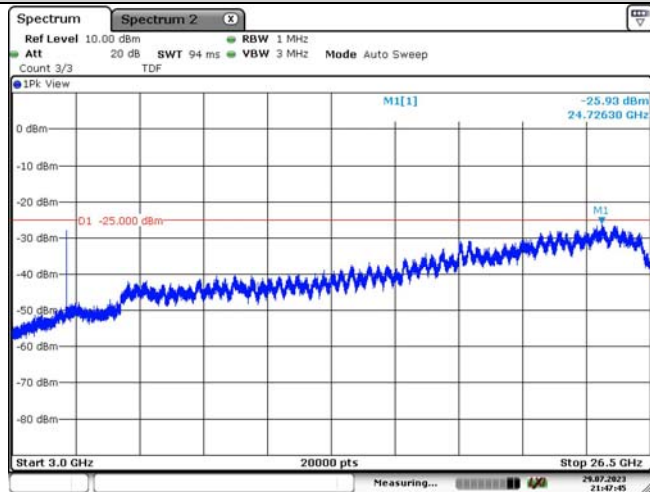
Date: 29.JUL.2023 21:47:17

Band7-5MHz-QPSK-20775-1RB#0-Range2:1000~3000MHz



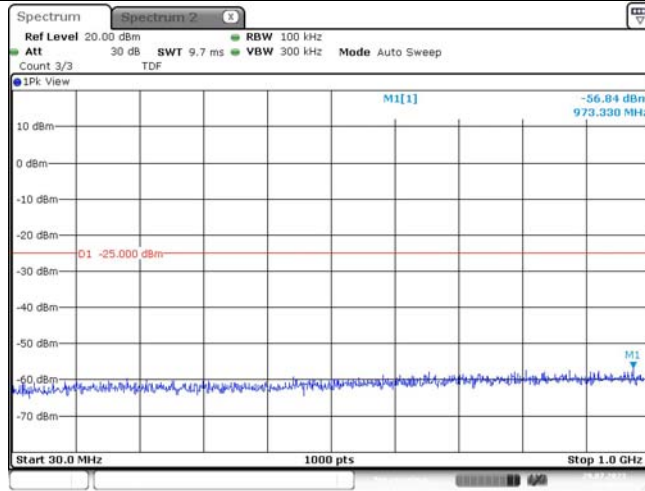
Date: 29.JUL.2023 21:47:30

Band7-5MHz-QPSK-20775-1RB#0-Range3:3000~26500MHz



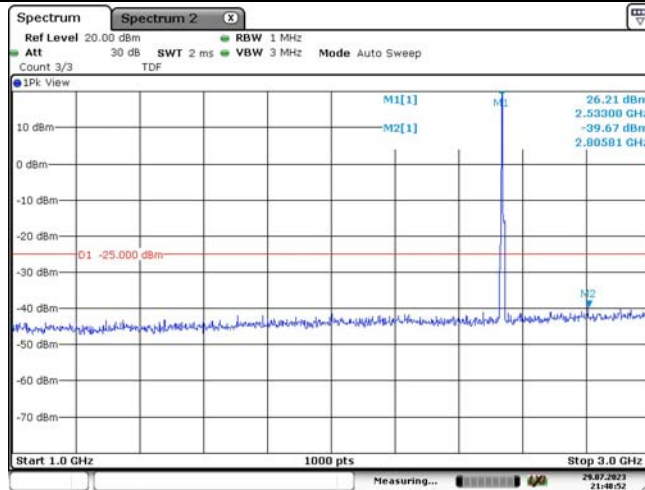
Date: 29.JUL.2023 21:47:44

Band7-5MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



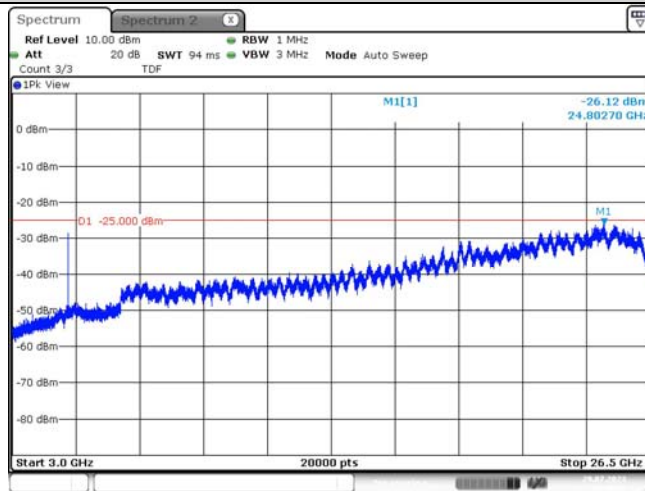
Date: 29.JUL.2023 21:48:39

Band7-5MHz-QPSK-21100-1RB#0-Range2:1000~3000MHz



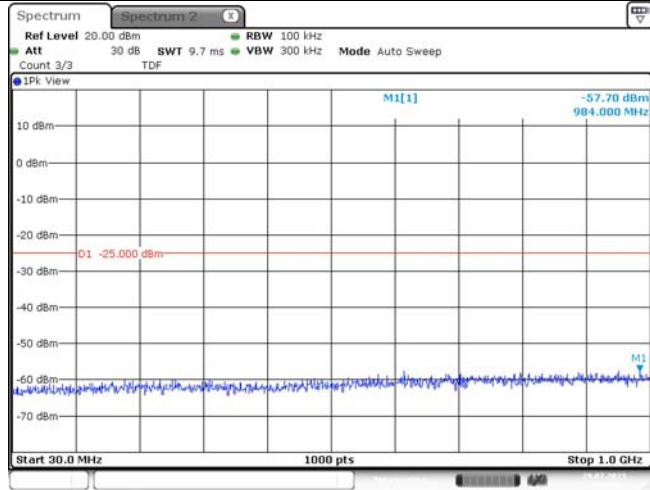
Date: 29.JUL.2023 21:48:52

Band7-5MHz-QPSK-21100-1RB#0-Range3:3000~26500MHz



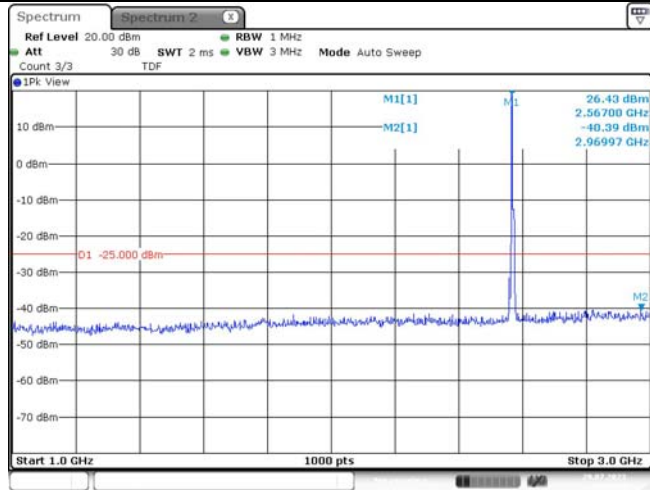
Date: 29.JUL.2023 21:49:05

Band7-5MHz-QPSK-21425-1RB#0-Range1:30~1000MHz



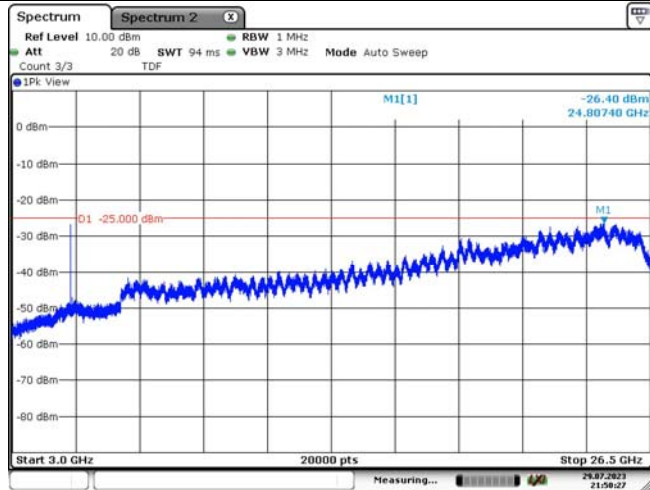
Date: 29.JUL.2023 21:50:01

Band7-5MHz-QPSK-21425-1RB#0-Range2:1000~3000MHz



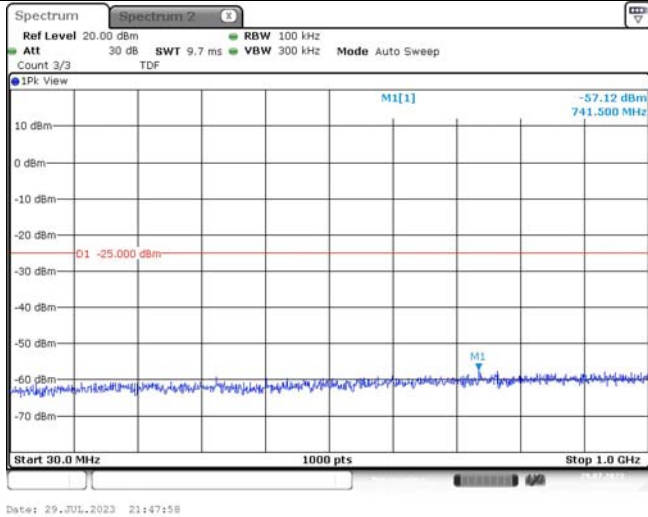
Date: 29.JUL.2023 21:50:14

Band7-5MHz-QPSK-21425-1RB#0-Range3:3000~26500MHz

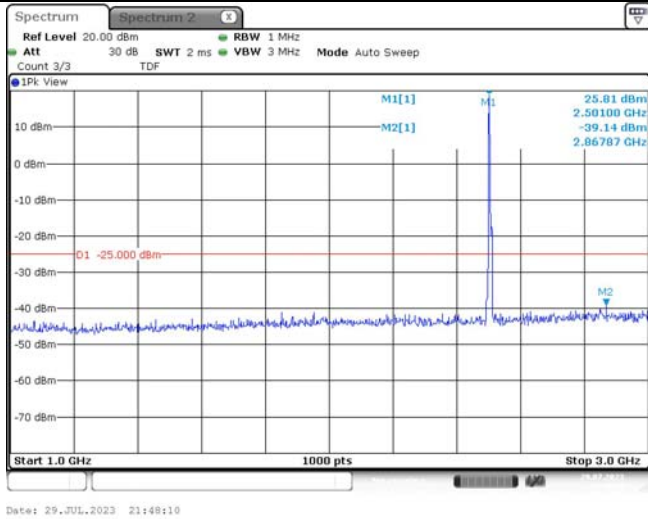


Date: 29.JUL.2023 21:50:27

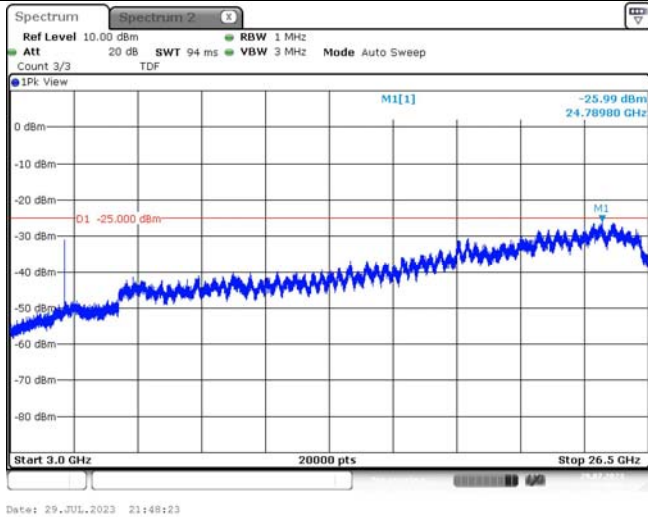
Band7-5MHz-16QAM-20775-1RB#0-Range1:30~1000MHz



Band7-5MHz-16QAM-20775-1RB#0-Range2:1000~3000MHz



Band7-5MHz-16QAM-20775-1RB#0-Range3:3000~26500MHz



Band7-5MHz-16QAM-21100-1RB#0-Range1:30~1000MHz