

Report No.: SEWM2206000075RG01

Rev.: 01

Page: 1 of 53

Appendix B.5

LTE Band 5



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Report No.: SEWM2206000075RG01

Rev.: 01

Page: 2 of 53

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.8	20.39	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.92	20.51	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.76	20.35	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.87	19.46	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.69	20.28	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.82	20.41	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.69	20.28	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.84	19.43	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.66	20.25	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.79	20.38	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.57	20.16	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.79	19.38	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.91	19.5	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.13	19.72	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.02	19.61	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.89	18.48	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.82	19.41	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.89	19.48	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.9	19.49	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.83	18.42	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.79	19.38	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.88	19.47	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.57	19.16	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.77	18.36	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.32	17.91	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.25	17.84	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	22.83	19.42	38.45	PASS



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Report No.: SEWM2206000075RG01

Rev.: 01

Page: 3 of 53

Band5	1.4MHz	64QAM	20407	6RB#0	21.77	18.36	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	22.79	19.38	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	22.87	19.46	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	22.73	19.32	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	21.73	18.32	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	22.69	19.28	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	22.81	19.4	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	22.66	19.25	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	21.67	18.26	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.84	20.43	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.79	20.38	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.28	19.87	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.29	18.88	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.26	19.85	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.32	19.91	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.46	20.05	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.74	19.33	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.25	19.84	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.19	19.78	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.2	19.79	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.28	18.87	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.03	19.62	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.82	19.41	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.53	19.12	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.28	17.87	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.47	19.06	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.57	19.16	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.68	19.27	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.74	18.33	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.37	18.96	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.35	18.94	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.37	18.96	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.2	17.79	38.45	PASS



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Report No.: SEWM2206000075RG01

Rev.: 01

Page: 4 of 53

Band5	3MHz	64QAM	20415	1RB#0	22.85	19.44	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.35	17.94	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	22.79	19.38	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	21.36	17.95	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	22.35	18.94	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	22.38	18.97	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	22.51	19.1	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	21.44	18.03	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	22.26	18.85	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	22.18	18.77	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	22.21	18.8	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	21.16	17.75	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.75	20.34	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.69	20.28	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.16	19.75	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.32	18.91	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.17	19.76	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.36	19.95	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.15	19.74	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.29	18.88	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.2	19.79	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.38	19.97	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.11	19.7	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.31	18.9	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.87	19.46	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.73	19.32	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.39	18.98	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.27	17.86	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.39	18.98	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.62	19.21	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.33	18.92	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.23	17.82	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.46	19.05	38.45	PASS



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Report No.: SEWM2206000075RG01

Rev.: 01

Page: 5 of 53

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Band5	5MHz	16QAM	20625	1RB#24	22.19	18.78	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.25	17.84	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	22.8	19.39	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	22.94	19.53	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	22.25	18.84	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	21.24	17.83	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	22.12	18.71	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	22.47	19.06	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	22.22	18.81	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	21.22	17.81	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	22.26	18.85	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	22.41	19	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	22.16	18.75	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	21.23	17.82	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.84	20.43	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.43	20.02	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.21	19.8	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.41	19	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.27	19.86	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.34	19.93	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.27	19.86	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.33	18.92	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.27	19.86	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.37	19.96	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.18	19.77	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.41	19	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.11	19.7	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.59	19.18	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.45	19.04	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.37	17.96	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.46	19.05	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.53	19.12	38.45	PASS



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Report No.: SEWM2206000075RG01

Rev.: 01

Page: 6 of 53

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Band5	10MHz	16QAM	20525	50RB#0	21.29	17.88	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.47	19.06	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.59	19.18	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.21	18.8	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.35	17.94	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	22.87	19.46	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	22.49	19.08	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	22.19	18.78	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	21.33	17.92	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	22.34	18.93	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	22.38	18.97	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	22.23	18.82	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	21.26	17.85	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	22.33	18.92	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	22.44	19.03	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	22.2	18.79	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	21.29	17.88	38.45	PASS



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Report No.: SEWM2206000075RG01

Rev.: 01

Page: 7 of 53

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	5.12	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.80	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.00	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.86	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.60	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.84	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	5.92	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	5.56	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	5.92	13	PASS



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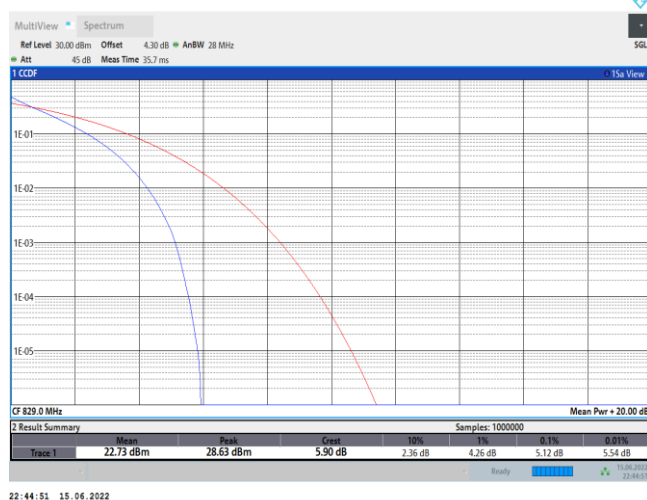
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Rev.: 01

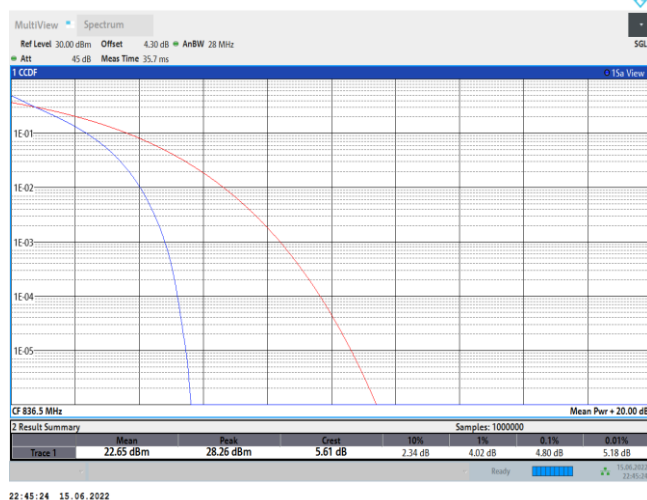
Page: 8 of 53

Test Graphs

Band5-10MHz-QPSK-20450-50RB#0



Band5-10MHz-QPSK-20525-50RB#0



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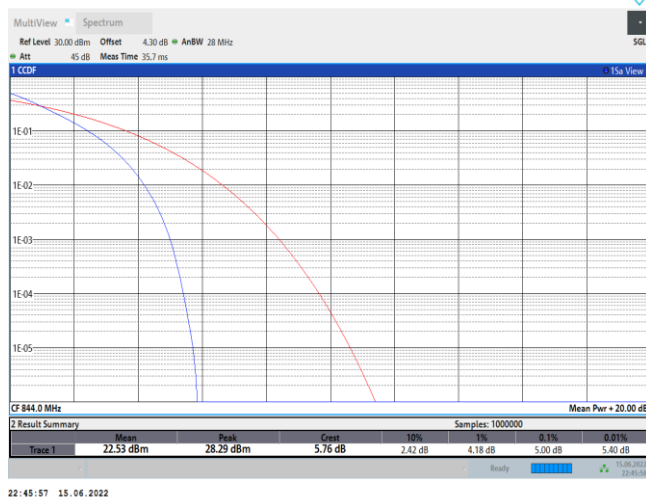
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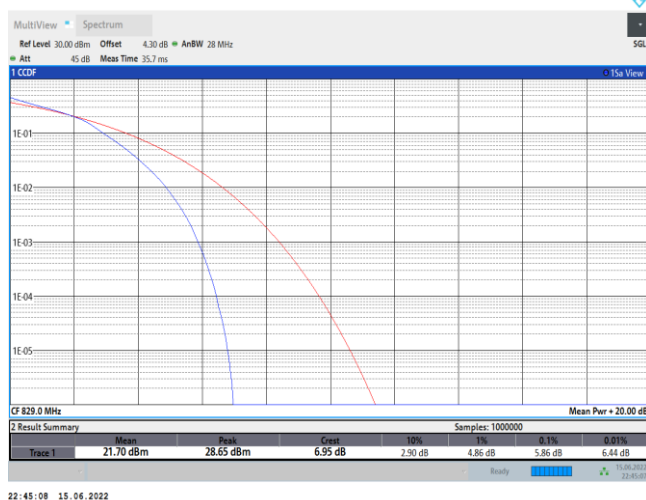
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Page: 9 of 53

Band5-10MHz-QPSK-20600-50RB#0



Band5-10MHz-16QAM-20450-50RB#0



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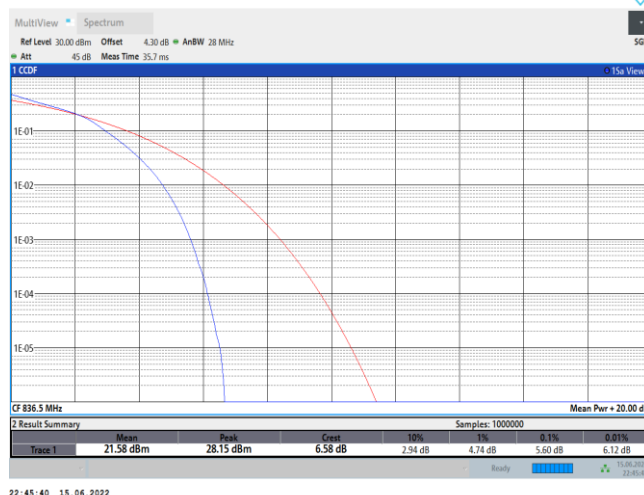
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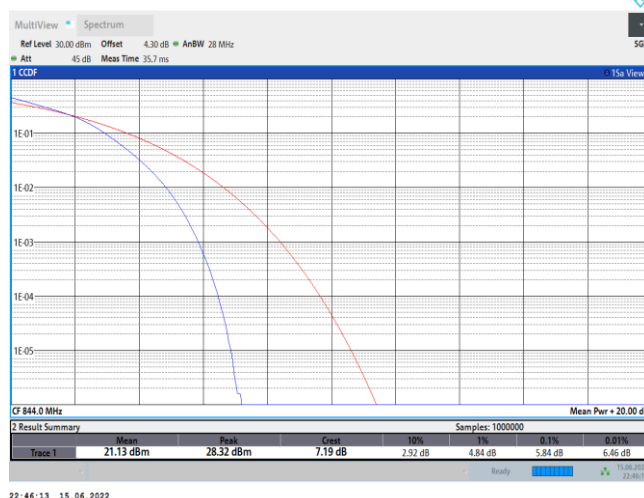
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Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-50RB#0



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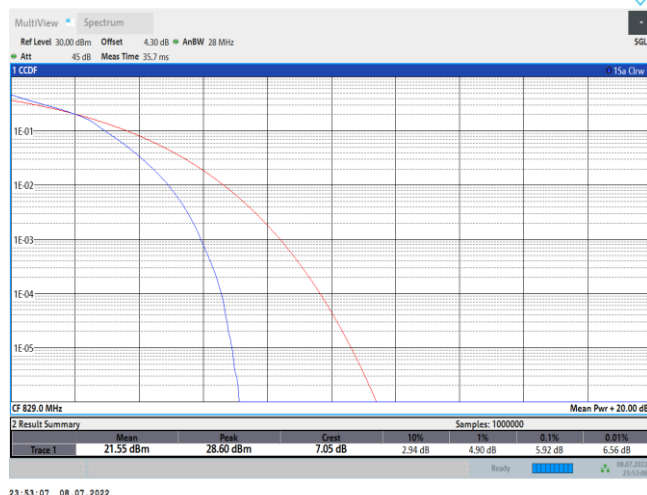
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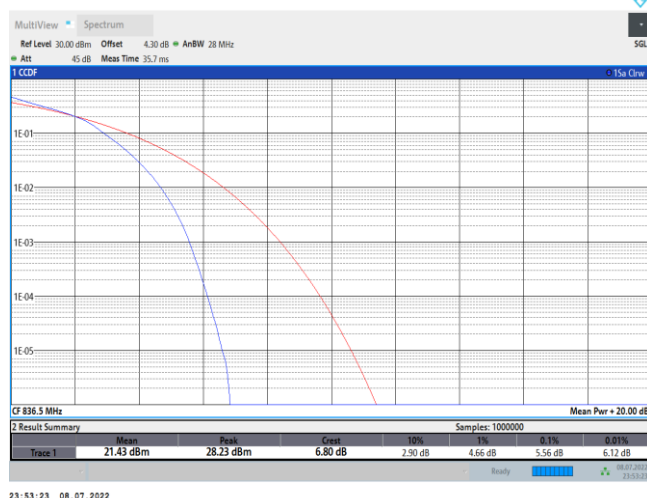
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Band5-10MHz-64QAM-20450-50RB#0



Band5-10MHz-64QAM-20525-50RB#0



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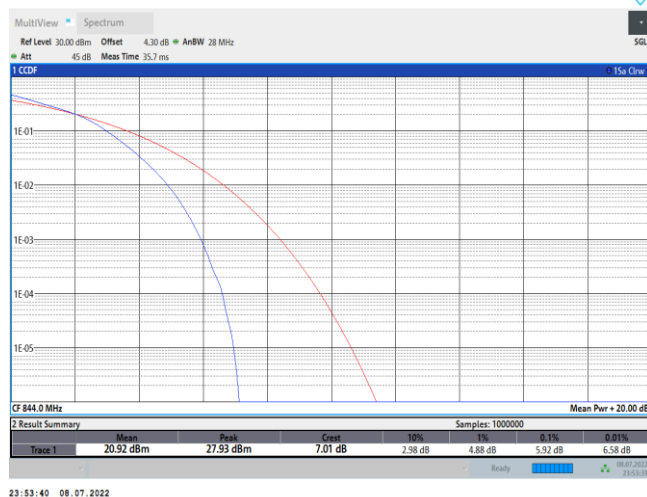
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Band5-10MHz-64QAM-20600-50RB#0



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Report No.: SEWM2206000075RG01

Rev.: 01

Page: 13 of 53

Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band5	10MHz	QPSK	20525	50RB#0	PASS	PASS
Band5	10MHz	16QAM	20525	50RB#0	PASS	PASS
Band5	10MHz	64QAM	20525	50RB#0	PASS	PASS



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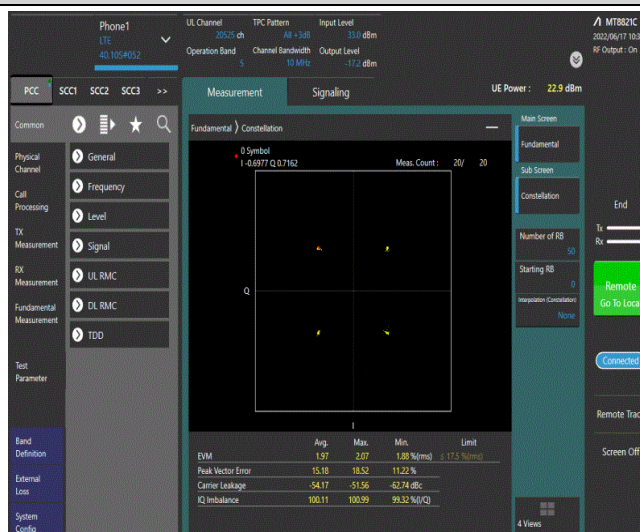
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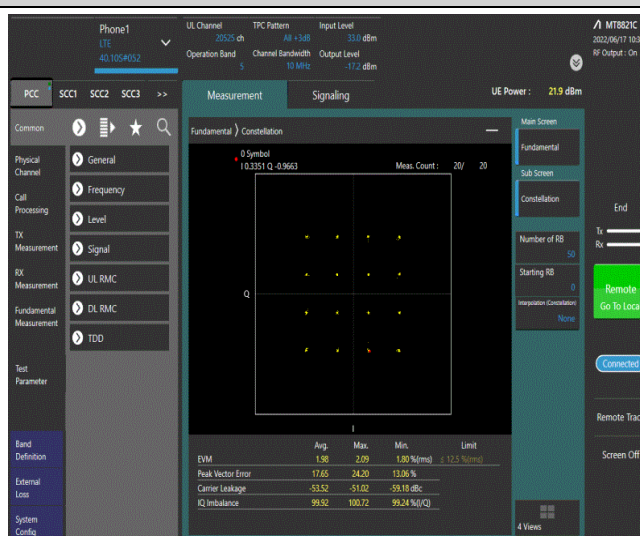
Page: 14 of 53

Test Graphs

Band5-10MHz-QPSK-20525-50RB#0



Band5-10MHz-16QAM-20525-50RB#0



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratory

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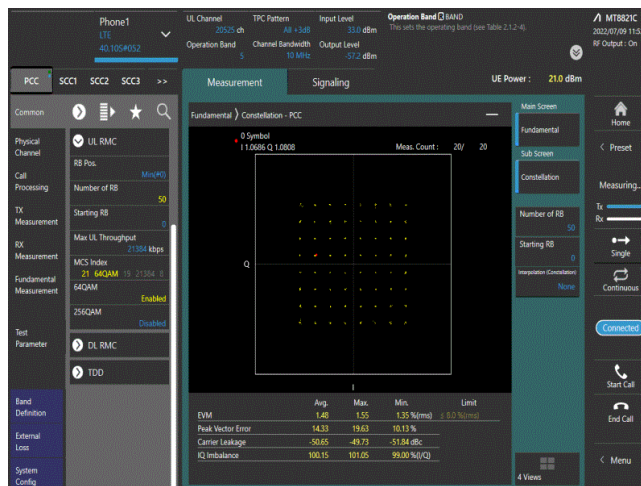
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Band5-10MHz-64QAM-20525-50RB#0



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Rev.: 01

Page: 16 of 53

26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.084	1.27	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.085	1.29	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.088	1.30	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.095	1.30	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.099	1.31	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.102	1.31	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.09	1.30	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.093	1.30	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.093	1.31	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.684	2.88	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.687	2.92	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.686	2.92	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.677	2.90	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.677	2.92	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.684	2.93	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.685	2.91	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.687	2.91	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.686	2.90	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.474	5.01	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.475	5.03	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.482	5.19	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.472	5.05	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.468	5.05	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.475	5.05	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.477	4.99	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.474	4.98	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.483	5.02	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.947	10.16	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.955	9.82	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.945	9.86	PASS



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Report No.: SEWM2206000075RG01

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Page: 17 of 53

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Band5	10MHz	16QAM	20525	50RB#0	8.927	9.78	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.926	9.84	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.944	9.80	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.936	9.92	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.948	9.86	PASS



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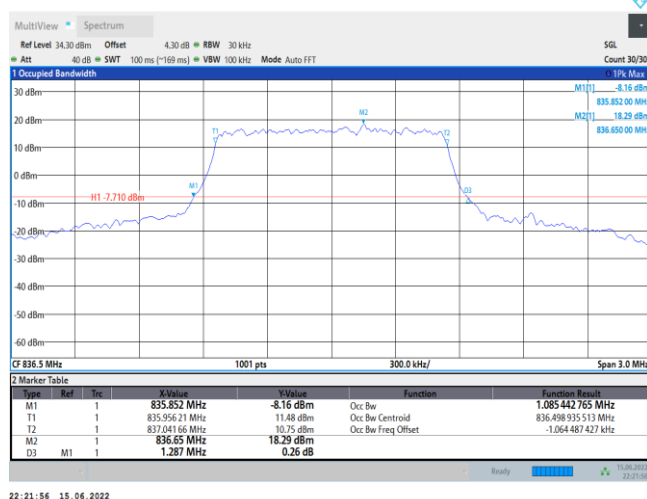
Page: 18 of 53

Test Graphs

Band5-1.4MHz-QPSK-20407-6RB#0



Band5-1.4MHz-QPSK-20525-6RB#0



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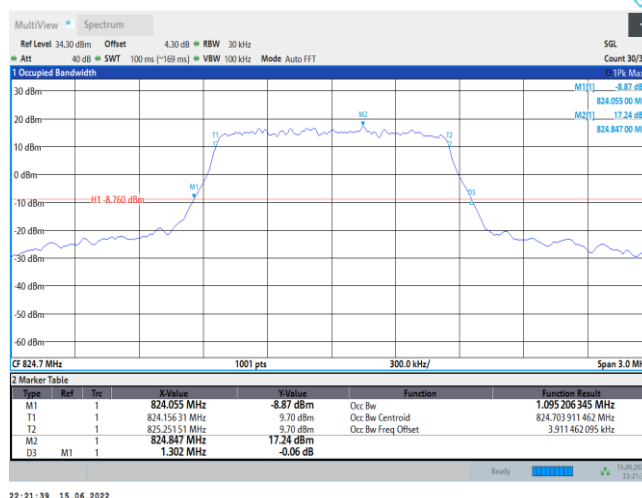
Page: 19 of 53

Band5-1.4MHz-QPSK-20643-6RB#0



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Band5-1.4MHz-16QAM-20407-6RB#0



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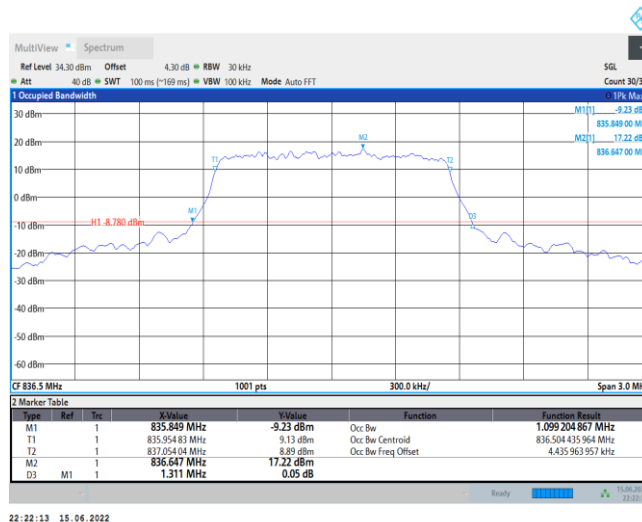
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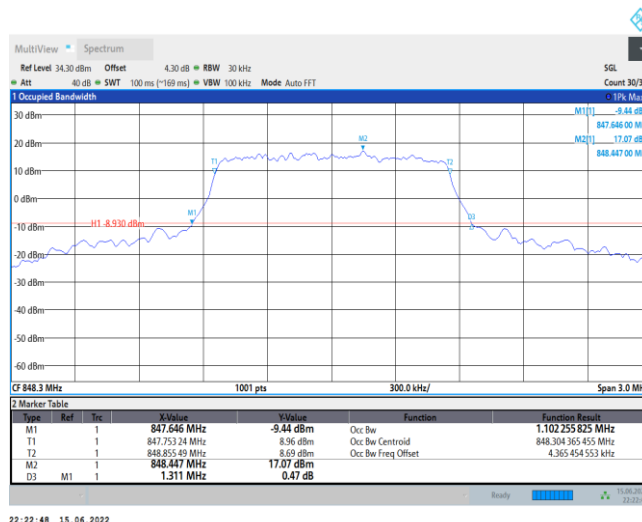
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Band5-1.4MHz-16QAM-20525-6RB#0



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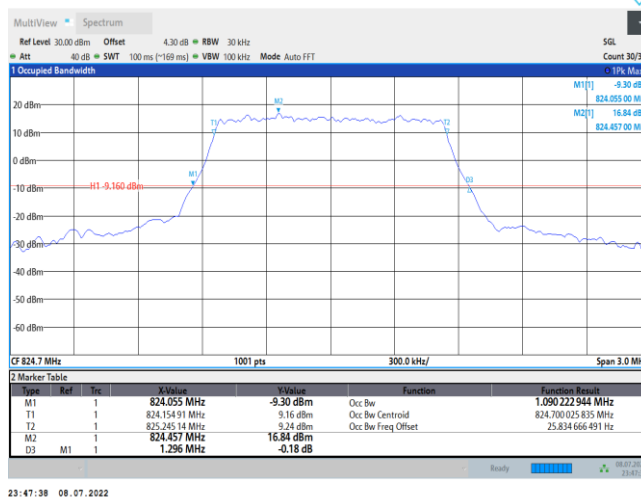
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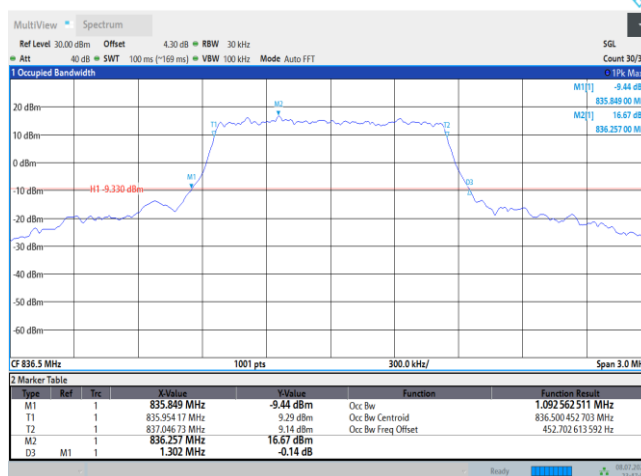
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Band5-1.4MHz-64QAM-20407-6RB#0



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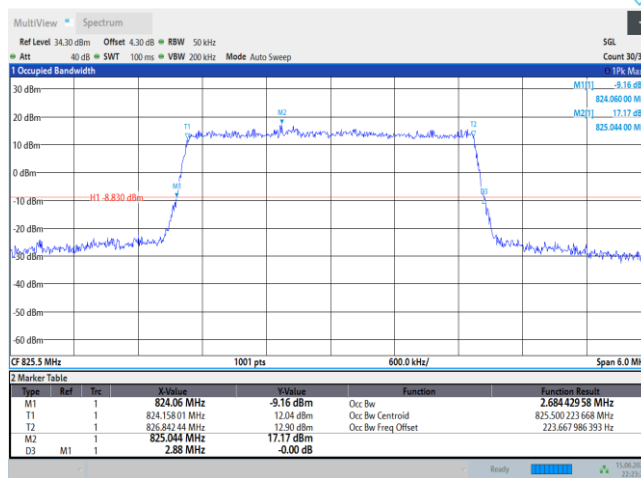
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Band5-1.4MHz-64QAM-20643-6RB#0



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22:23:24 15.06.2022



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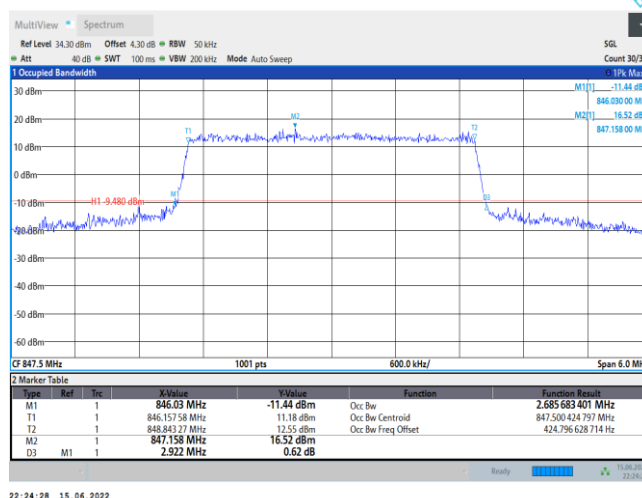
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Band5-3MHz-QPSK-20635-15RB#0



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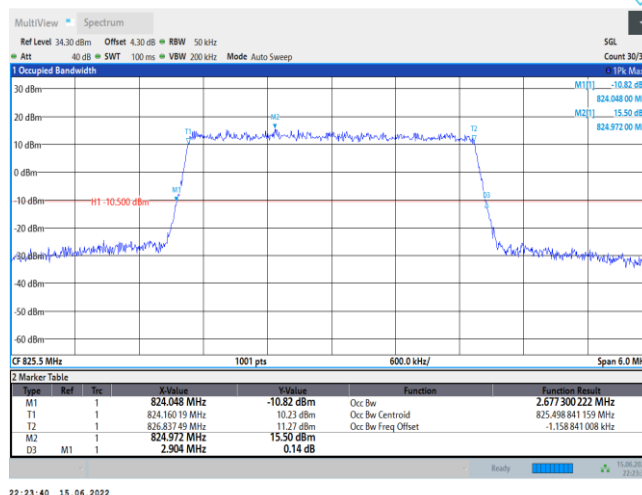
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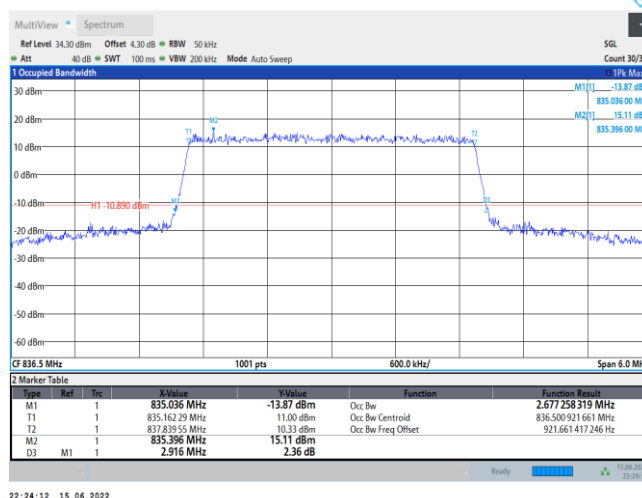
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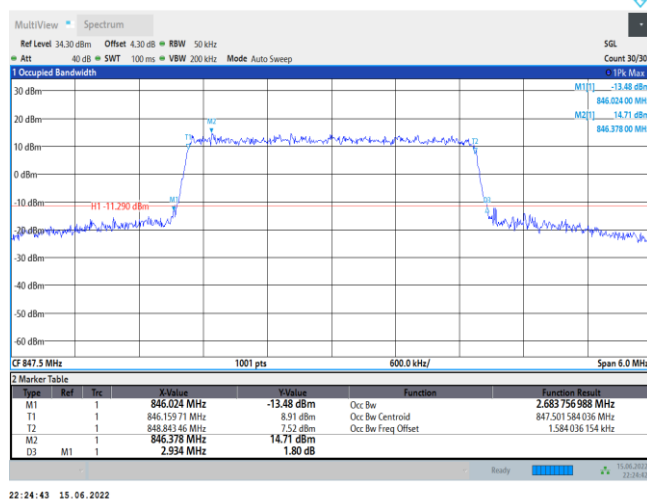
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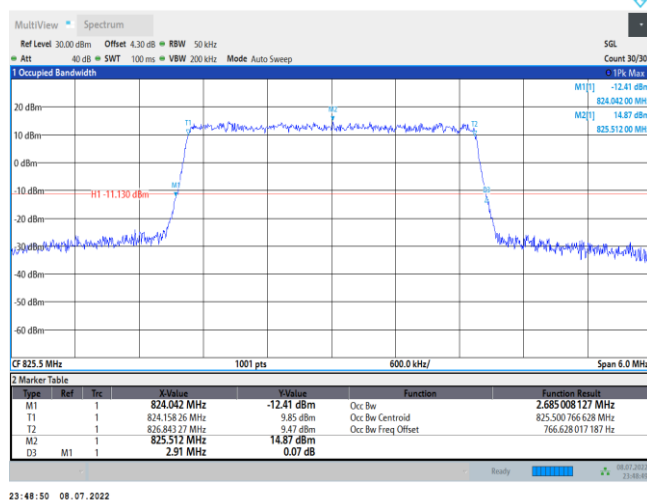
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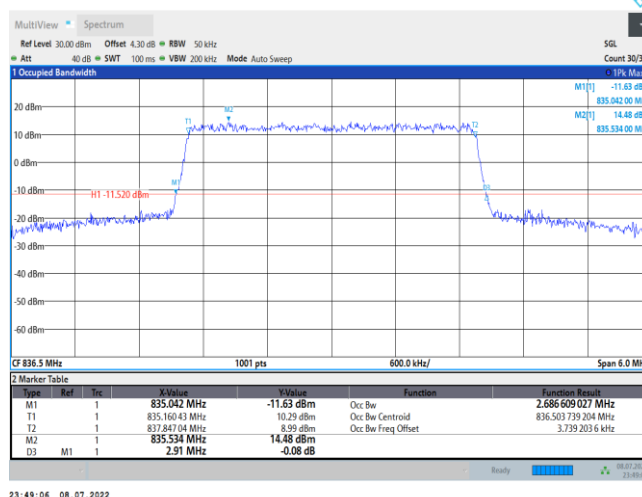
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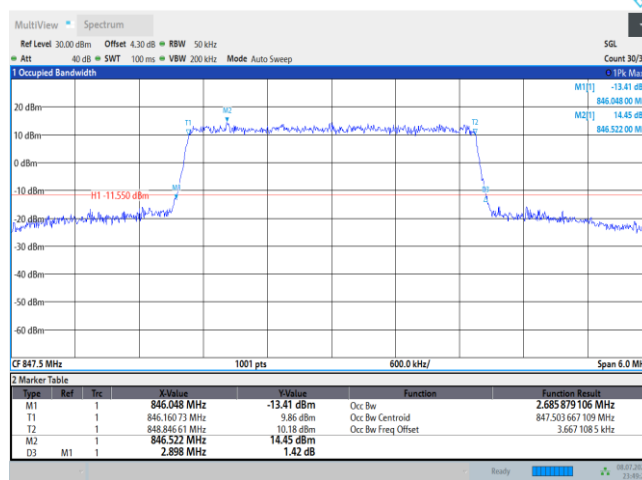
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Band5-3MHz-64QAM-20525-15RB#0



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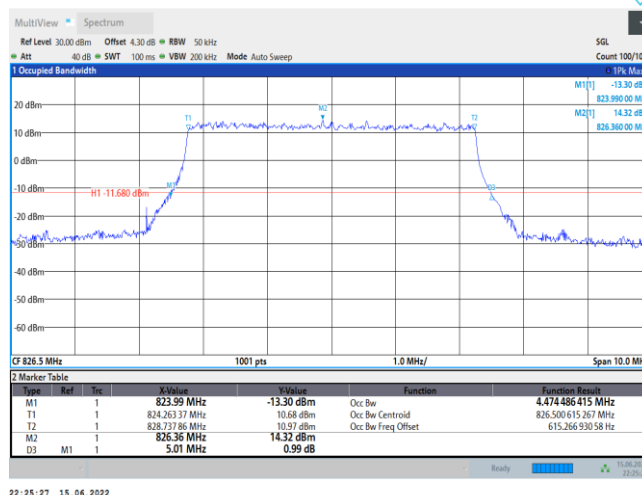
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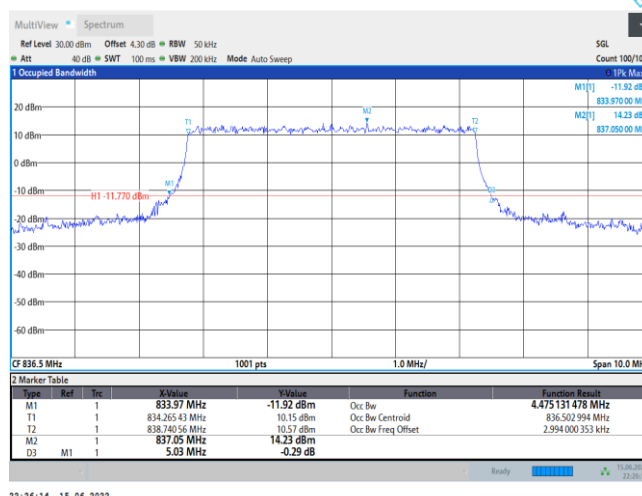
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Band5-5MHz-QPSK-20425-25RB#0



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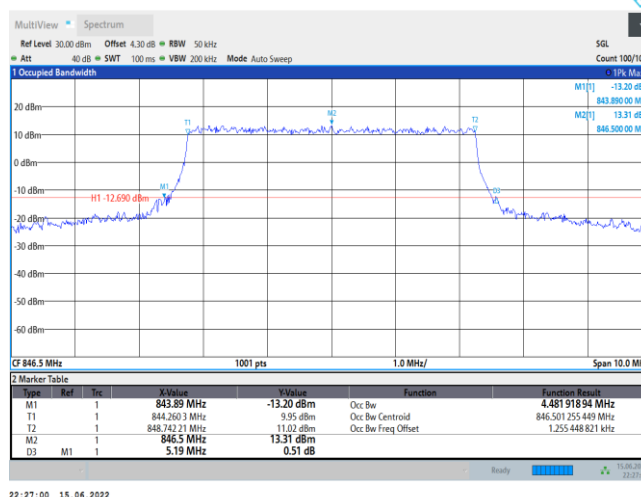
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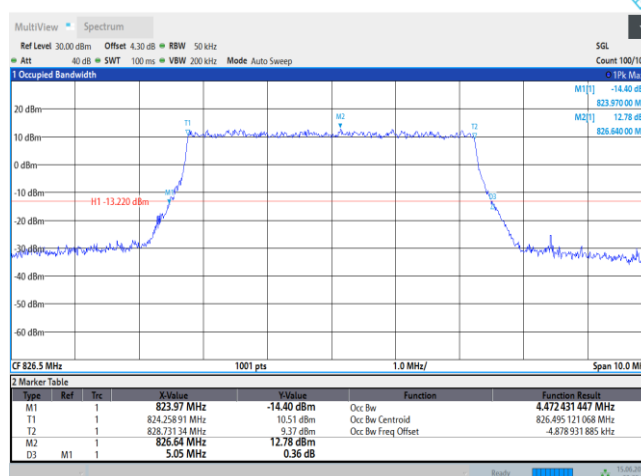
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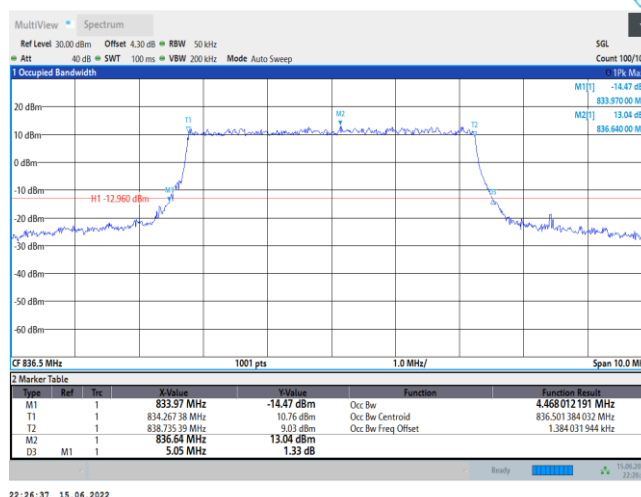
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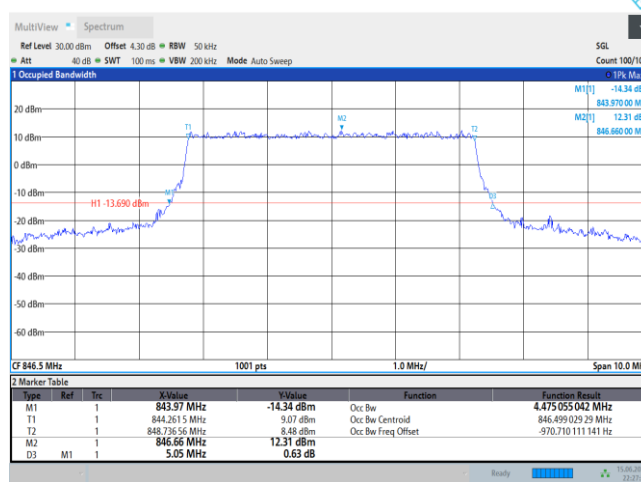
Page: 29 of 53

Band5-5MHz-16QAM-20525-25RB#0



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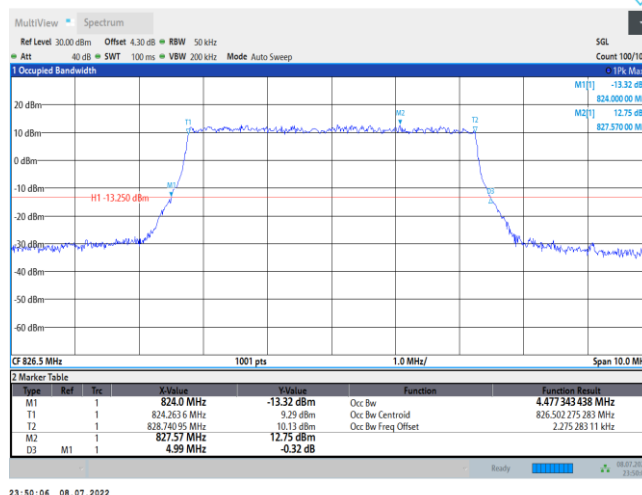
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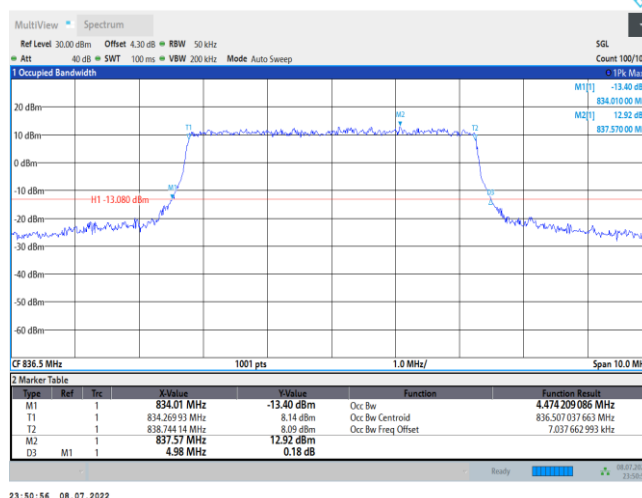
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Page: 30 of 53

Band5-5MHz-64QAM-20425-25RB#0



Band5-5MHz-64QAM-20525-25RB#0



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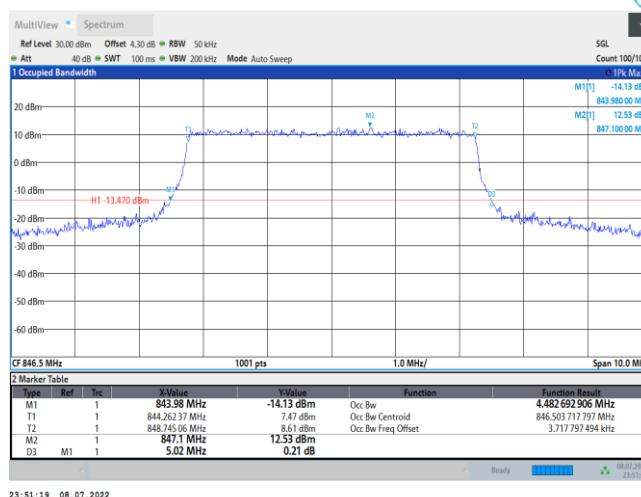
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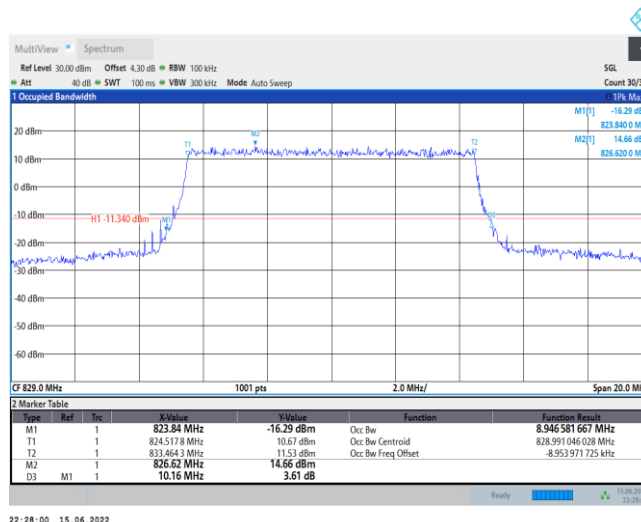
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Page: 31 of 53

Band5-5MHz-64QAM-20625-25RB#0



Band5-10MHz-QPSK-20450-50RB#0



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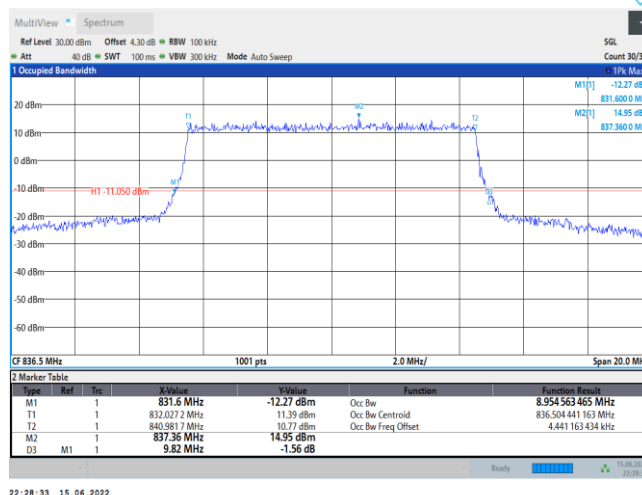
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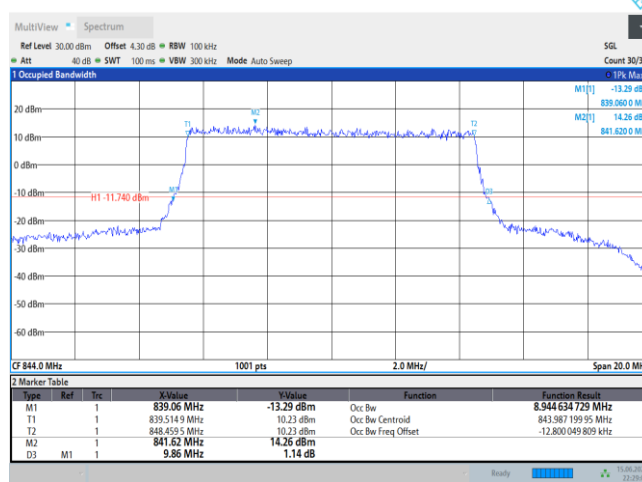
Page: 32 of 53

Band5-10MHz-QPSK-20525-50RB#0



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Band5-10MHz-QPSK-20600-50RB#0



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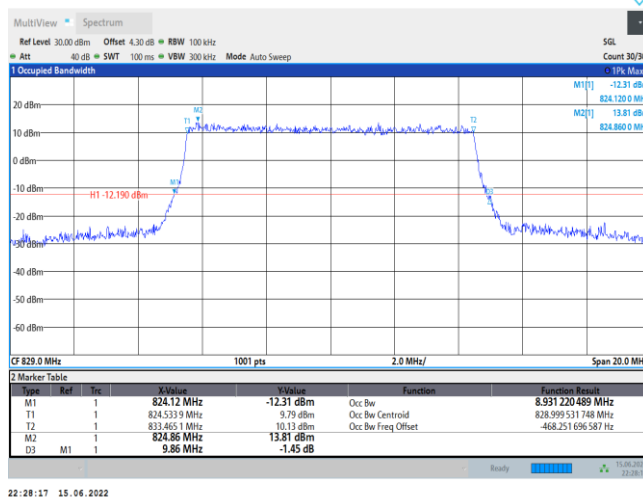
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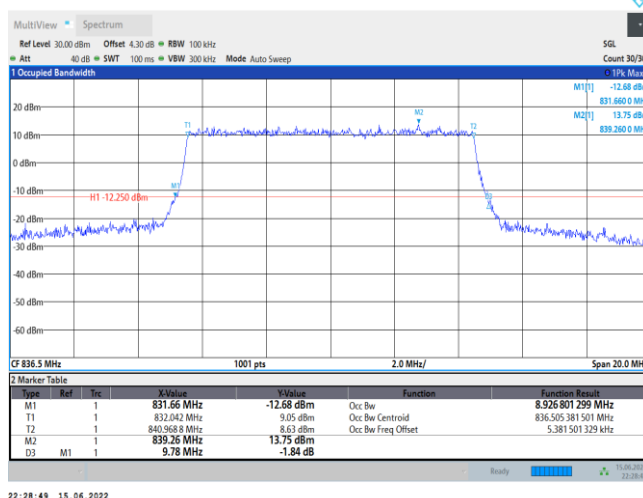
Page: 33 of 53

Band5-10MHz-16QAM-20450-50RB#0



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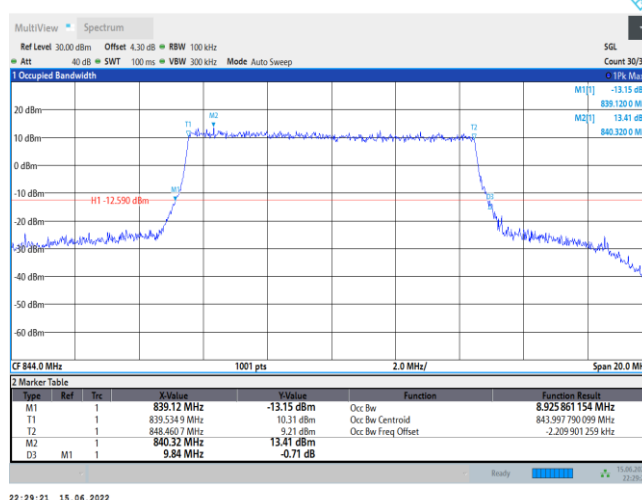
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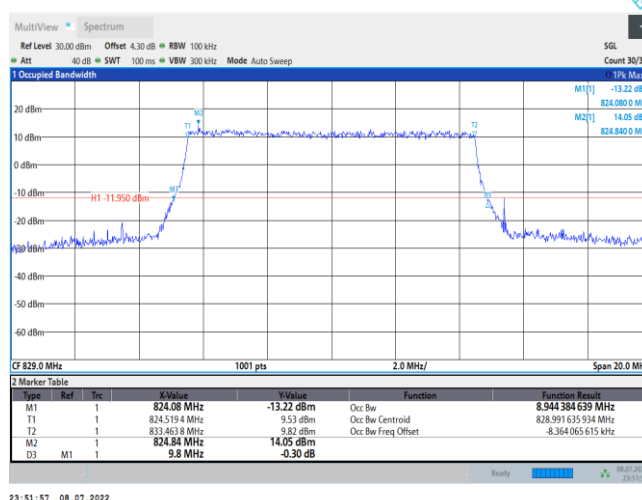
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Band5-10MHz-16QAM-20600-50RB#0



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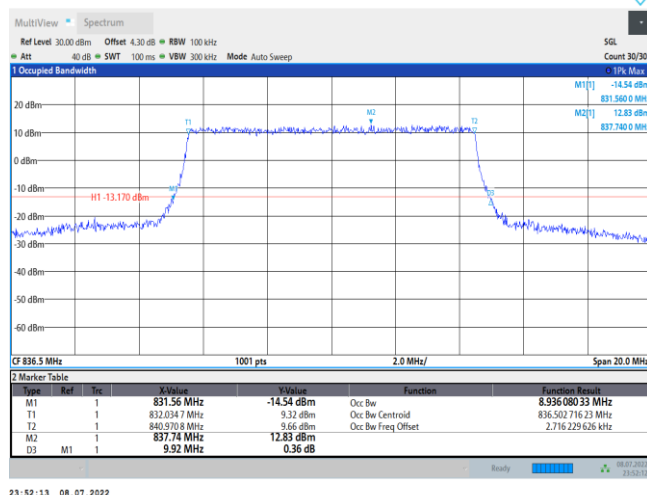
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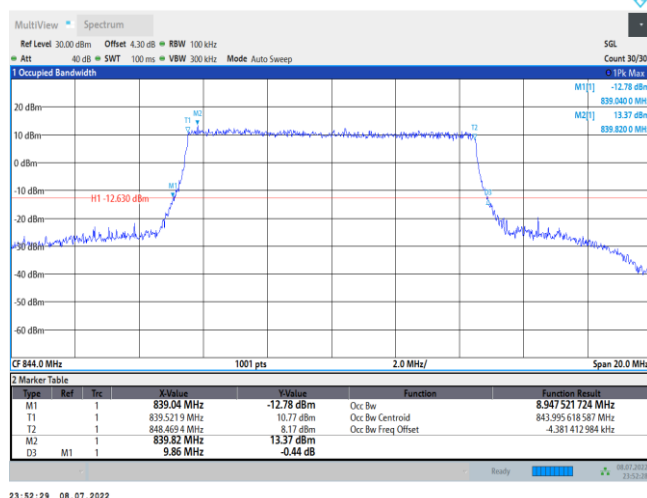
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Band5-10MHz-64QAM-20525-50RB#0



Band5-10MHz-64QAM-20600-50RB#0



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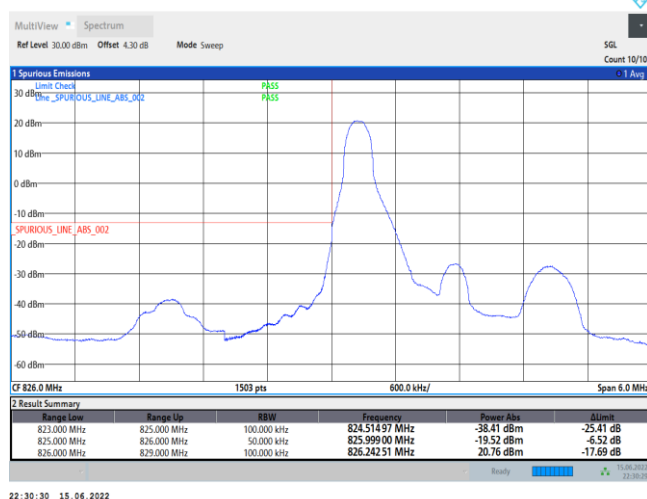
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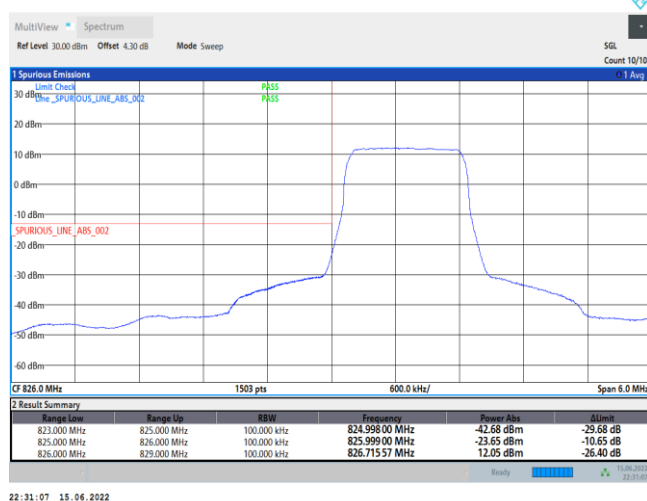
Band Edge

Test Graphs

Band5-1.4MHz-QPSK-20427-1RB#0



Band5-1.4MHz-QPSK-20427-6RB#0



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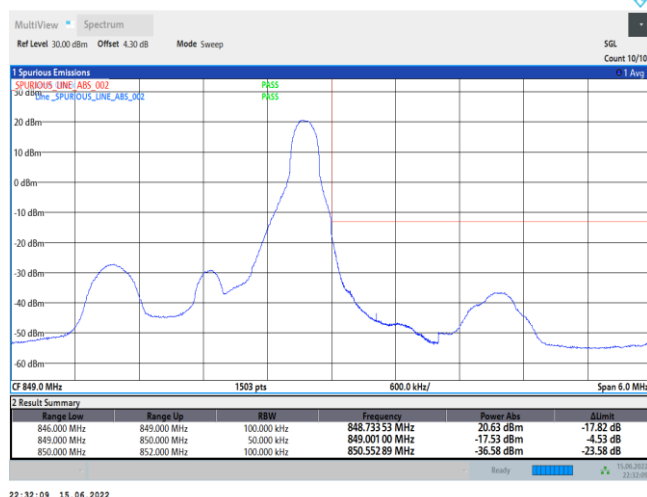
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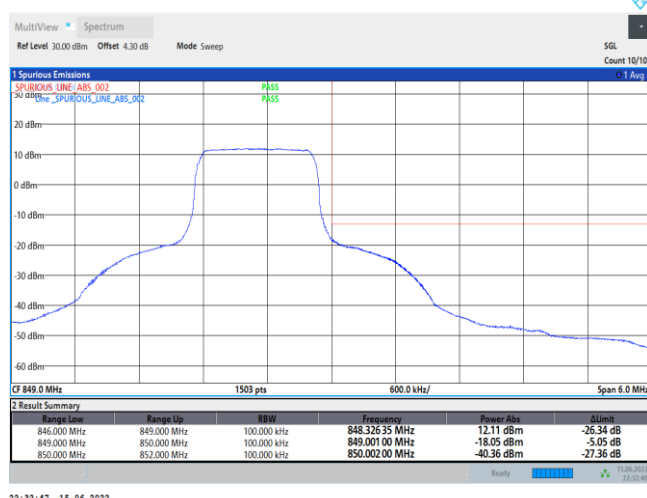
Page: 37 of 53

Band5-1.4MHz-QPSK-20643-1RB#5



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Band5-1.4MHz-QPSK-20643-6RB#0



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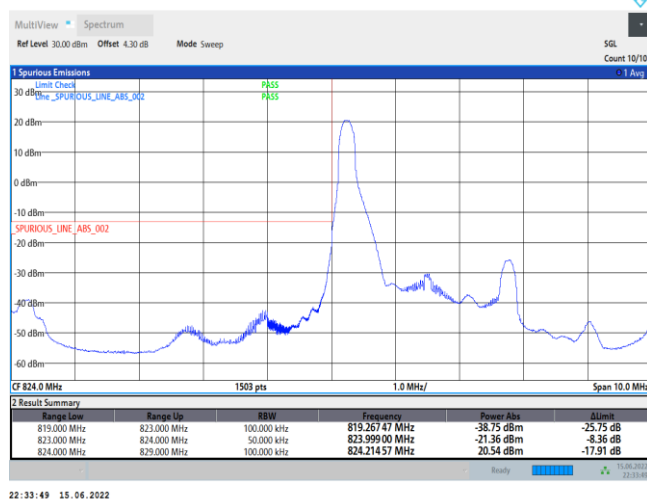
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Report No.: SEWM2206000075RG01

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Rev.: 01

Page: 39 of 53

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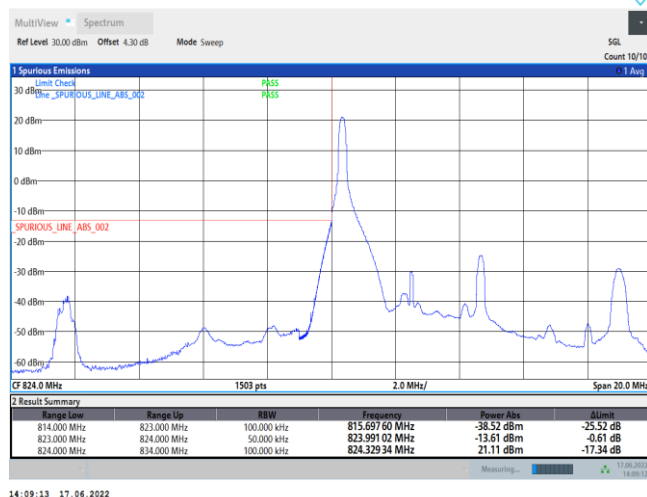
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Rev.: 01

Page: 40 of 53

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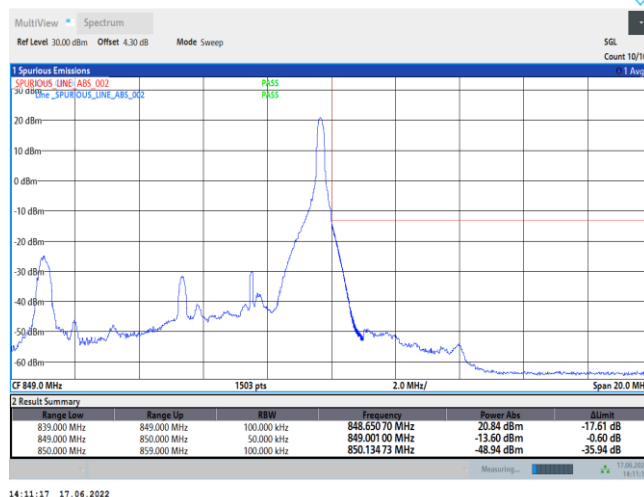
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Rev.: 01

Page: 41 of 53

Band5-5MHz-QPSK-20625-1RB#24



Band5-5MHz-QPSK-20625-25RB#0



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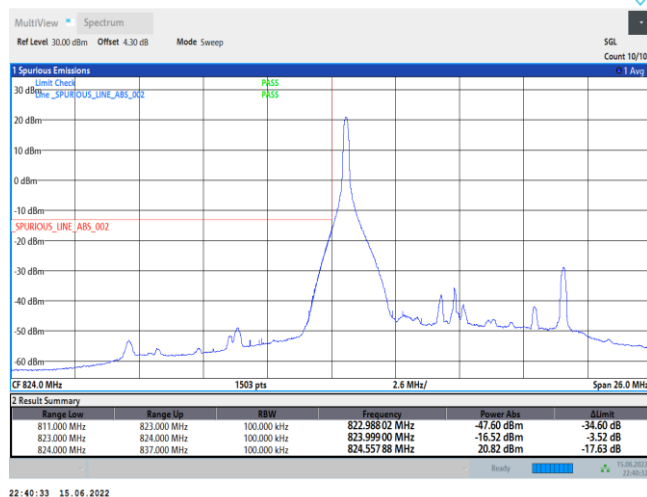
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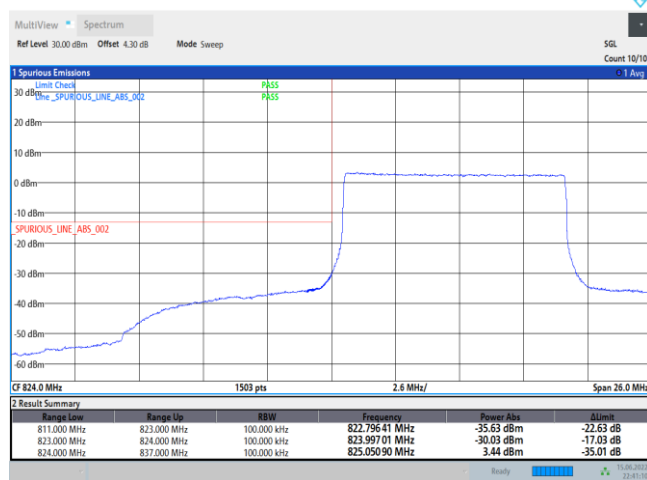
Page: 42 of 53

Band5-10MHz-QPSK-20450-1RB#0



22:40:33 15.06.2022

Band5-10MHz-QPSK-20450-50RB#0



22:41:11 15.06.2022



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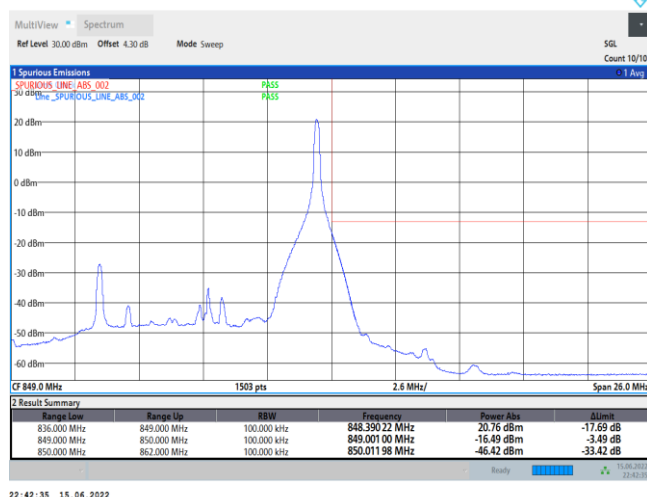
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Rev.: 01

Page: 43 of 53

Band5-10MHz-QPSK-20600-1RB#49



Band5-10MHz-QPSK-20600-50RB#0



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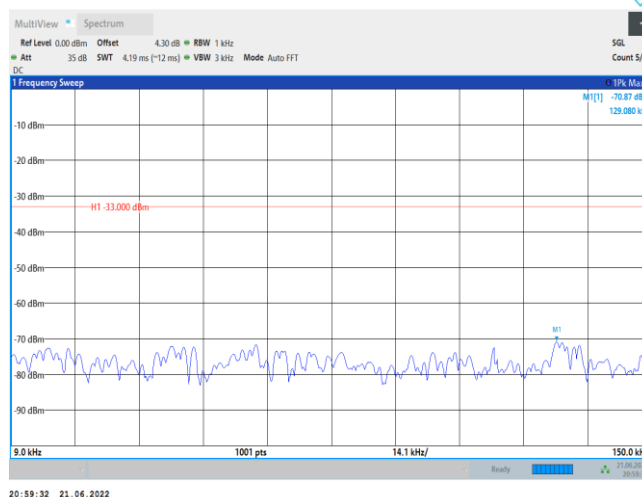
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Page: 44 of 53

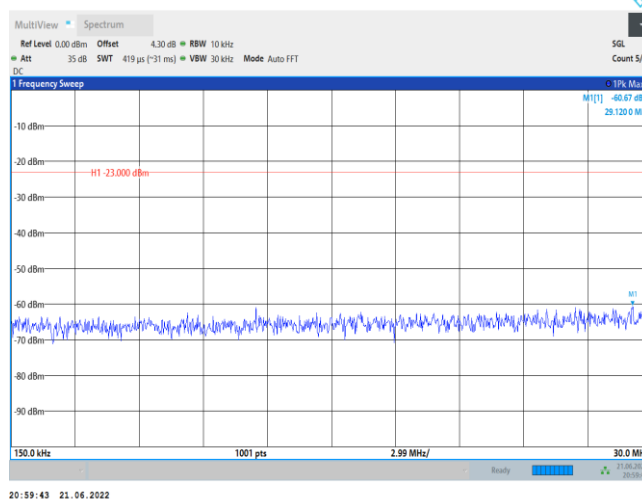
Conducted Spurious Emission

Test Graphs

Band5-10MHz-QPSK-20450-1RB#0-Range1:0.009~0.15MHz



Band5-10MHz-QPSK-20450-1RB#0-Range2:0.15~30MHz



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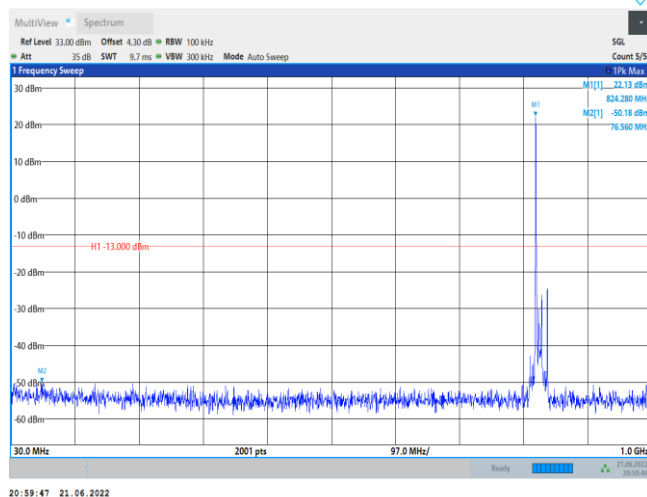
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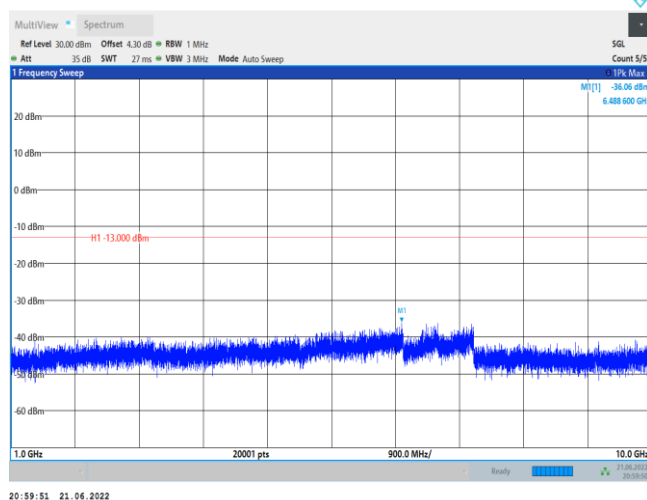
Rev.: 01

Page: 45 of 53

Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



Band5-10MHz-QPSK-20450-1RB#0-Range4:1000~10000MHz



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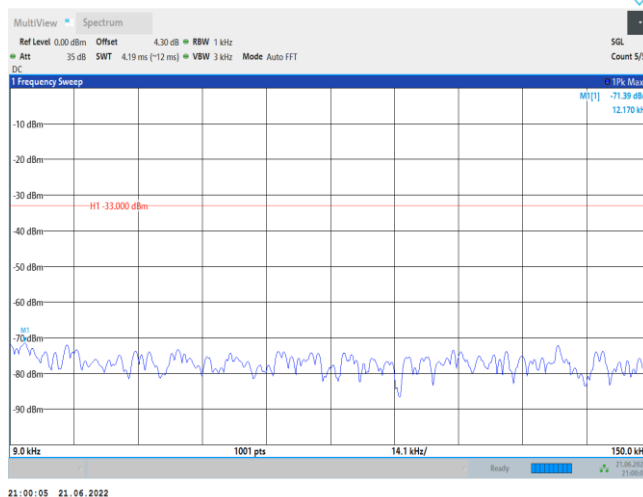
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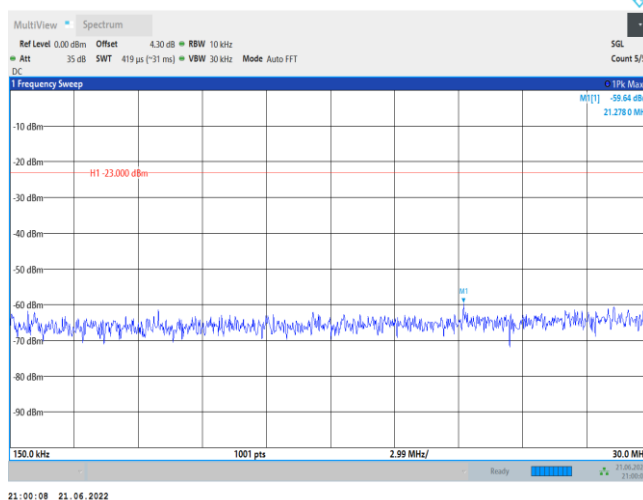
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Page: 46 of 53

Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



Band5-10MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



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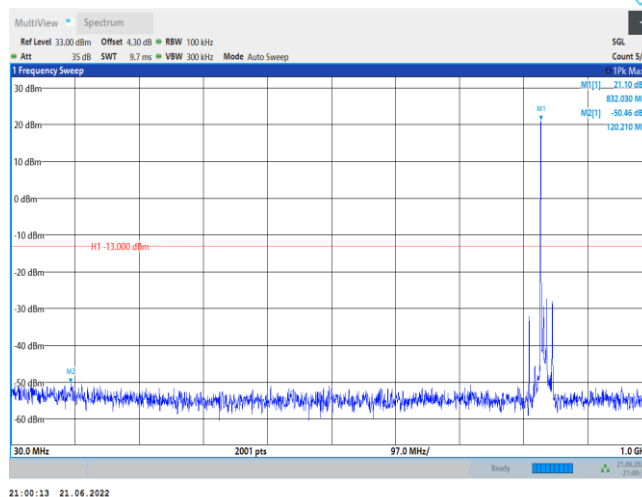
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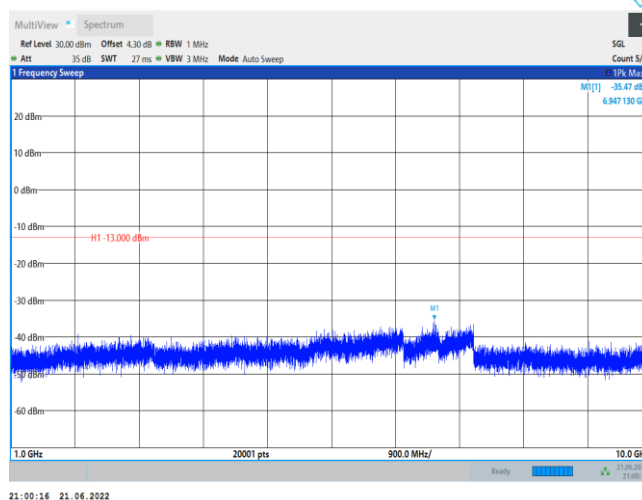
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Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



Band5-10MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



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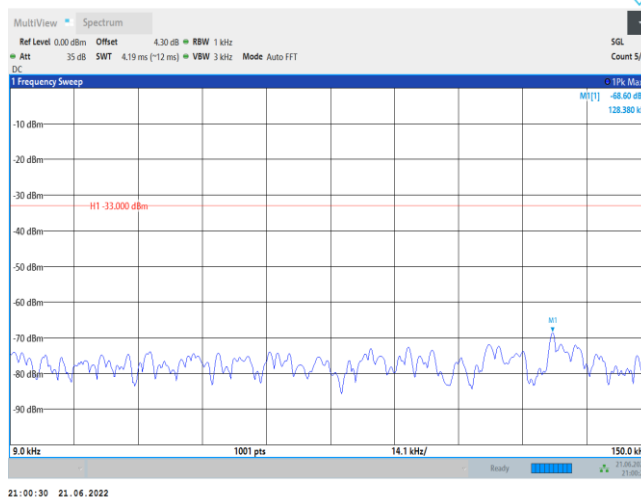
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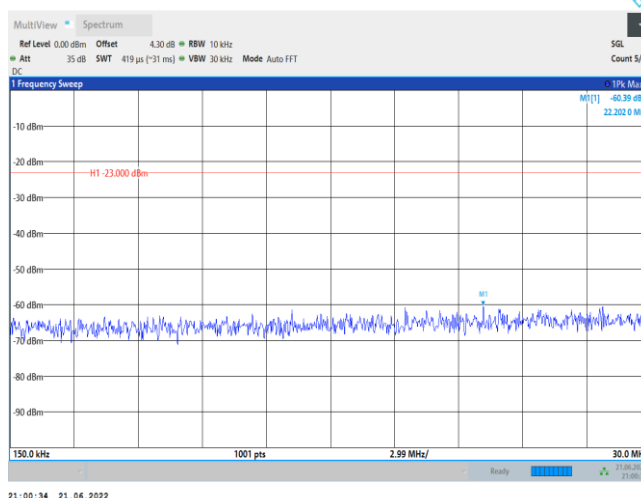
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Page: 48 of 53

Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



Band5-10MHz-QPSK-20600-1RB#0-Range2:0.15~30MHz



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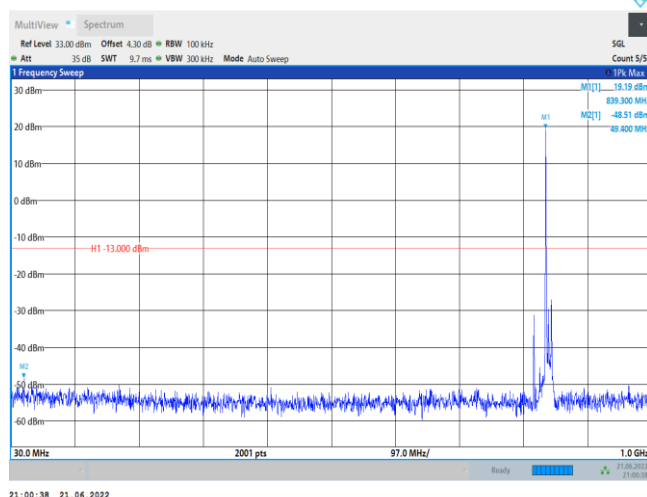
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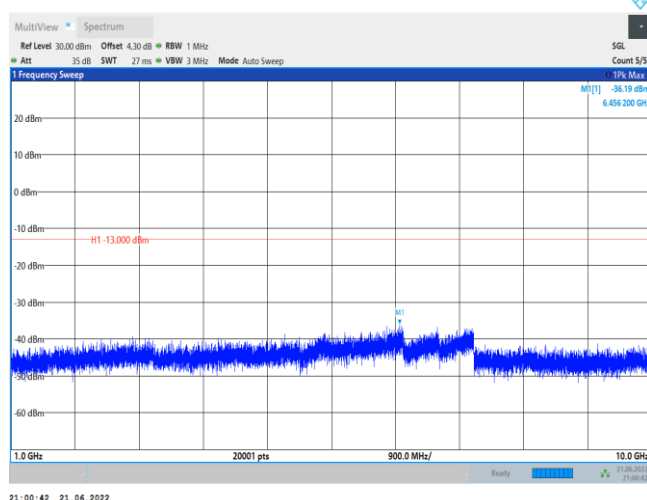
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Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



Band5-10MHz-QPSK-20600-1RB#0-Range4:1000~10000MHz



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Rev.: 01

Page: 50 of 53

Field Strength of Spurious Radiation

Test Band = LTE Band 5_ TM1

Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.1800	67.90	-118.11	-50.21	-13.00	37.21	216	22	Horizontal
2	2473.7700	71.73	-114.89	-43.16	-13.00	30.16	142	244	Horizontal
3	3298.3600	63.71	-112.38	-48.67	-13.00	35.67	230	233	Horizontal
4	4122.9500	49.72	-110.19	-60.47	-13.00	47.47	162	194	Horizontal
5	4947.5400	51.74	-108.22	-56.48	-13.00	43.48	184	360	Horizontal
6	5772.1300	50.11	-106.25	-56.14	-13.00	43.14	196	359	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.1800	63.82	-118.11	-54.29	-13.00	41.29	255	285	Vertical
2	2473.7700	59.26	-114.89	-55.63	-13.00	42.63	163	226	Vertical
3	3298.3600	60.78	-112.38	-51.60	-13.00	38.60	291	196	Vertical
4	4122.9500	49.11	-110.19	-61.08	-13.00	48.08	174	125	Vertical
5	4947.5400	50.50	-108.22	-57.72	-13.00	44.72	201	125	Vertical
6	5772.1300	50.32	-106.25	-55.93	-13.00	42.93	233	266	Vertical



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Rev.: 01

Page: 51 of 53

Test Band = LTE Band 5_ TM1
Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.1800	66.25	-118.09	-51.84	-13.00	38.84	216	33	Horizontal
2	2496.2700	71.59	-114.78	-43.19	-13.00	30.19	235	246	Horizontal
3	3328.3600	64.69	-112.38	-47.69	-13.00	34.69	148	237	Horizontal
4	4160.4500	50.99	-110.16	-59.17	-13.00	46.17	150	187	Horizontal
5	4992.5400	49.53	-108.19	-58.66	-13.00	45.66	236	226	Horizontal
6	5824.6300	49.16	-106.20	-57.04	-13.00	44.04	191	360	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.1800	62.35	-118.09	-55.74	-13.00	42.74	145	225	Vertical
2	2496.2700	60.00	-114.78	-54.78	-13.00	41.78	195	225	Vertical
3	3328.3600	56.54	-112.38	-55.84	-13.00	42.84	172	195	Vertical
4	4160.4500	50.07	-110.16	-60.09	-13.00	47.09	230	225	Vertical
5	4992.5400	49.52	-108.19	-58.67	-13.00	45.67	166	154	Vertical
6	5824.6300	49.09	-106.20	-57.11	-13.00	44.11	201	256	Vertical



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Report No.: SEWM2206000075RG01

Rev.: 01

Page: 52 of 53

Test Band = LTE Band 5_ TM1
Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.1800	69.12	-118.06	-48.94	-13.00	35.94	214	15	Horizontal
2	2518.7700	72.37	-114.63	-42.26	-13.00	29.26	269	266	Horizontal
3	3358.3600	62.96	-112.38	-49.42	-13.00	36.42	185	234	Horizontal
4	4197.9500	51.63	-110.12	-58.49	-13.00	45.49	147	124	Horizontal
5	5037.5400	48.58	-108.01	-59.43	-13.00	46.43	201	360	Horizontal
6	5887.1300	49.69	-106.27	-56.58	-13.00	43.58	166	205	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.1800	65.60	-118.06	-52.46	-13.00	39.46	299	225	Vertical
2	2518.7700	63.09	-114.63	-51.54	-13.00	38.54	184	206	Vertical
3	3358.3600	57.66	-112.38	-54.72	-13.00	41.72	263	245	Vertical
4	4197.9500	50.66	-110.12	-59.46	-13.00	46.46	250	16	Vertical
5	5037.5400	48.60	-108.01	-59.41	-13.00	46.41	137	43	Vertical
6	5887.1300	48.83	-106.27	-57.44	-13.00	44.44	176	285	Vertical



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Report No.: SEWM2206000075RG01

Rev.: 01

Page: 53 of 53

Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-7.30	-0.008727	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-6.00	-0.007173	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-11.70	-0.013987	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-13.80	-0.016497	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-8.40	-0.010042	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-0.60	-0.000717	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-12.20	-0.014585	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-10.00	-0.011955	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-11.60	-0.013867	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-5.60	-0.006695	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-1.40	-0.001674	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-4.30	-0.005140	±2.5	PASS

The End



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