

Report No.: SEWM2309000387RG01

Rev.: 01

Page: 1 of 37

Appendix B.5

LTE Band 5



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Report No.: SEWM2309000387RG01

Rev.: 01

Page: 2 of 37

Effective (Isotropic) Radiated Power Output Data

Test Result

ANT1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.74	18.76	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.84	18.86	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.71	18.73	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.87	17.89	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.67	18.69	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.78	18.8	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.65	18.67	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.75	17.77	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.66	18.68	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.81	18.83	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.65	18.67	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.75	17.77	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.99	18.01	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.1	18.12	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.96	17.98	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.92	16.94	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.87	17.89	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.1	18.12	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.9	17.92	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.87	16.89	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.85	17.87	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.04	18.06	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.91	17.93	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.86	16.88	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.94	16.96	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.99	17.01	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	21.88	16.9	38.45	PASS



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Report No.: SEWM2309000387RG01

Rev.: 01

Page: 3 of 37

Band5	1.4MHz	64QAM	20407	6RB#0	20.88	15.9	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	21.83	16.85	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	21.99	17.01	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	21.87	16.89	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.77	15.79	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.88	16.9	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.91	16.93	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.82	16.84	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.78	15.8	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.86	18.88	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.84	18.86	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.8	18.82	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.91	17.93	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.84	18.86	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.8	18.82	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.8	18.82	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.87	17.89	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.8	18.82	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.8	18.82	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.76	18.78	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.81	17.83	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.04	18.06	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.08	18.1	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.06	18.08	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.92	16.94	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.09	18.11	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.99	18.01	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.97	17.99	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.88	16.9	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.06	18.08	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.08	18.1	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.03	18.05	38.45	PASS



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Report No.: SEWM2309000387RG01

Rev.: 01

Page: 4 of 37

Band5	3MHz	16QAM	20635	15RB#0	21.85	16.87	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	22.07	17.09	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.98	17	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.92	16.94	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.93	15.95	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	22.03	17.05	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	21.94	16.96	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.99	17.01	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.88	15.9	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	22.03	17.05	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	21.97	16.99	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.86	16.88	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.86	15.88	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.67	18.69	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.87	18.89	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.63	18.65	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.8	17.82	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.66	18.68	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.88	18.9	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.59	18.61	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.77	17.79	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.63	18.65	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.91	18.93	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.56	18.58	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.73	17.75	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.85	17.87	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.04	18.06	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.9	17.92	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.78	16.8	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.82	17.84	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.13	18.15	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.72	17.74	38.45	PASS



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Report No.: SEWM2309000387RG01

Rev.: 01

Page: 5 of 37

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Band5	5MHz	16QAM	20625	1RB#0	22.85	17.87	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.2	18.22	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.76	17.78	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.74	16.76	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.8	16.82	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	22.06	17.08	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.78	16.8	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.8	15.82	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.82	16.84	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	22.08	17.1	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.73	16.75	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.79	15.81	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.88	16.9	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	22.03	17.05	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	21.71	16.73	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.77	15.79	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.82	18.84	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.83	18.85	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.69	18.71	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.87	17.89	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.77	18.79	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.85	18.87	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.65	18.67	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.82	17.84	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.68	18.7	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.88	18.9	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.63	18.65	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.84	17.86	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.9	17.92	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.15	18.17	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.93	17.95	38.45	PASS



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Page: 6 of 37

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Band5	10MHz	16QAM	20525	1RB#0	23.03	18.05	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.16	18.18	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.94	17.96	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.82	16.84	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.98	18	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.17	18.19	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.86	17.88	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.83	16.85	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.88	16.9	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.99	17.01	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.83	16.85	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.85	15.87	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	21.95	16.97	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	22.05	17.07	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.81	16.83	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.86	15.88	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	21.83	16.85	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	22.14	17.16	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.75	16.77	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.88	15.9	38.45	PASS



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Report No.: SEWM2309000387RG01

Rev.: 01

Page: 7 of 37

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	5.06	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.26	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.48	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.88	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.06	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.14	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.30	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.44	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.56	13	PASS



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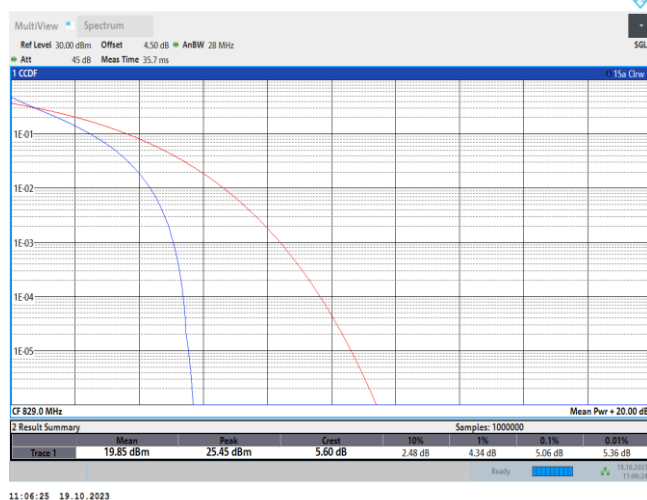
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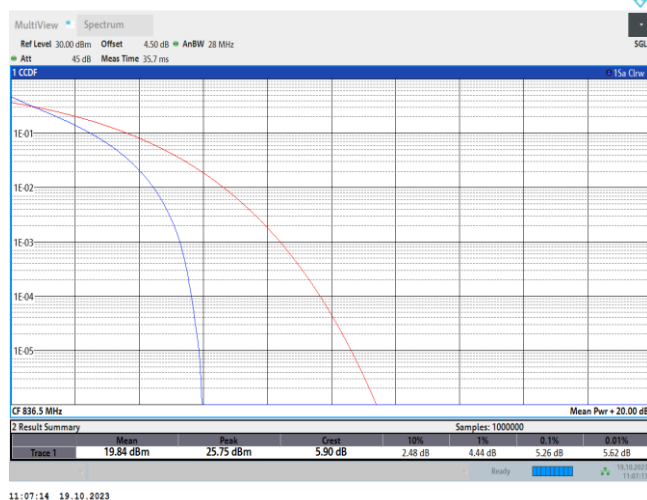
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Test Graphs

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



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



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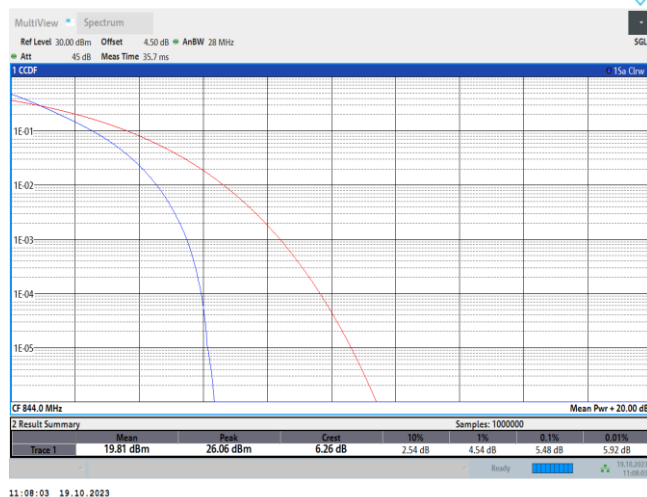
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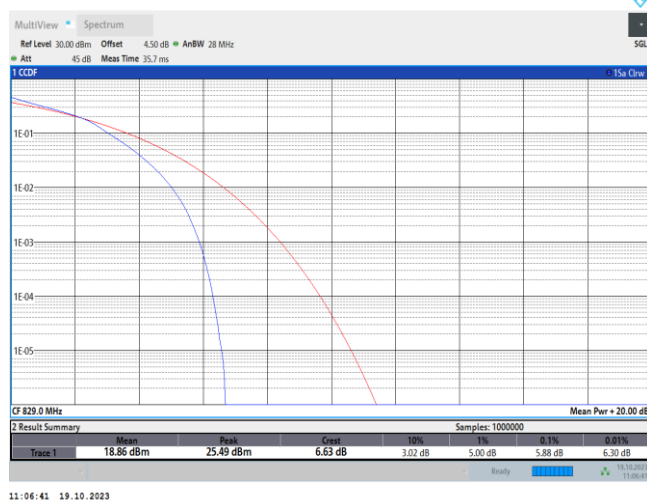
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Band5-10MHz-QPSK-20600-50RB#0



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



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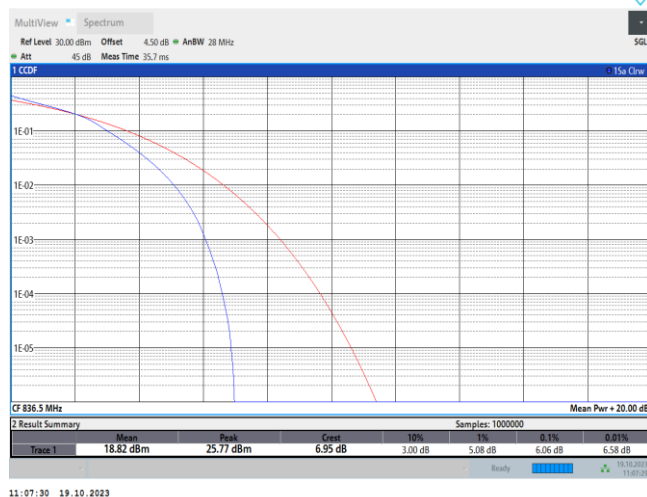
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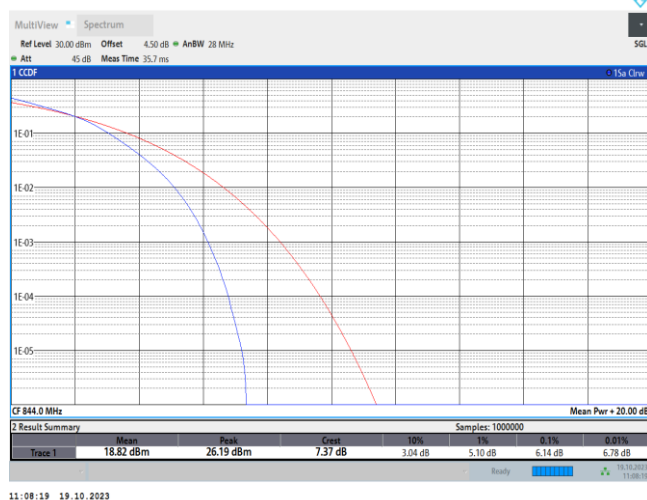
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Band5-10MHz-16QAM-20525-50RB#0



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



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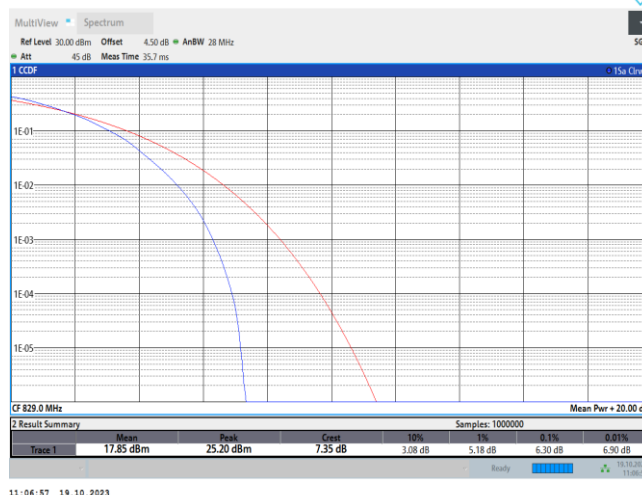
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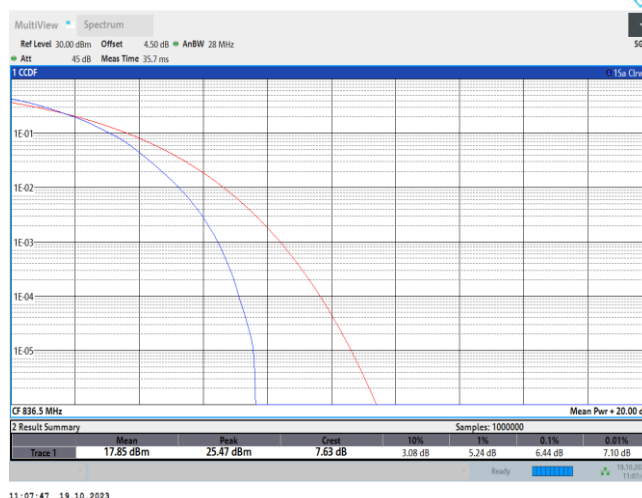
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Band5-10MHz-64QAM-20450-50RB#0



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



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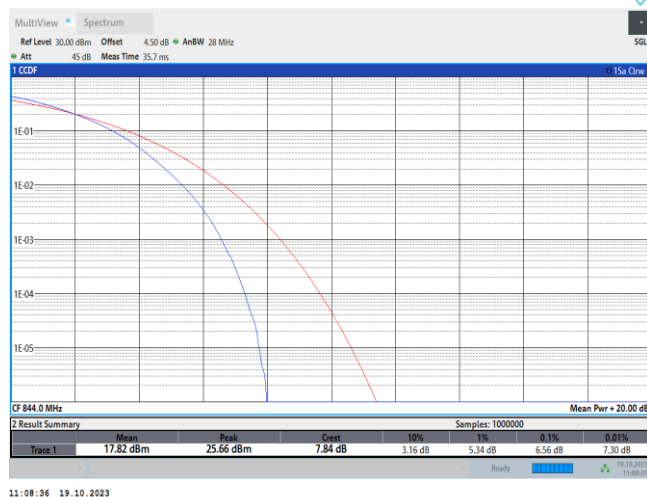
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Band5-10MHz-64QAM-20600-50RB#0



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Rev.: 01

Page: 13 of 37

26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20525	6RB#0	1.084	1.27	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.095	1.30	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.095	1.30	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.682	2.89	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.676	2.90	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.68	2.89	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.466	4.81	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.463	4.84	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.473	4.84	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.931	9.54	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.918	9.56	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.924	9.60	PASS



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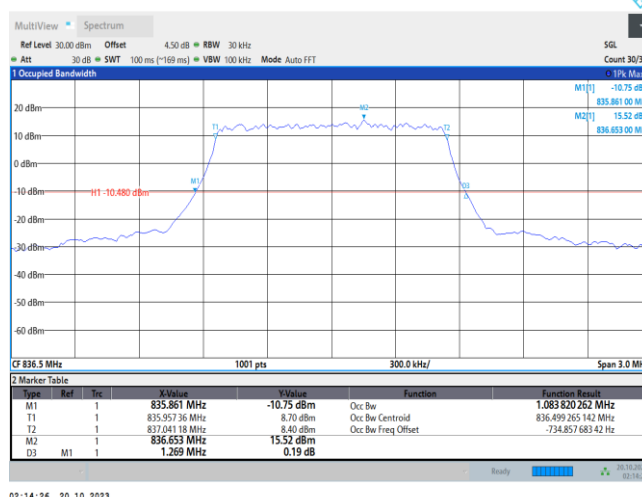
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Rev.: 01

Page: 14 of 37

Test Graphs

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



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



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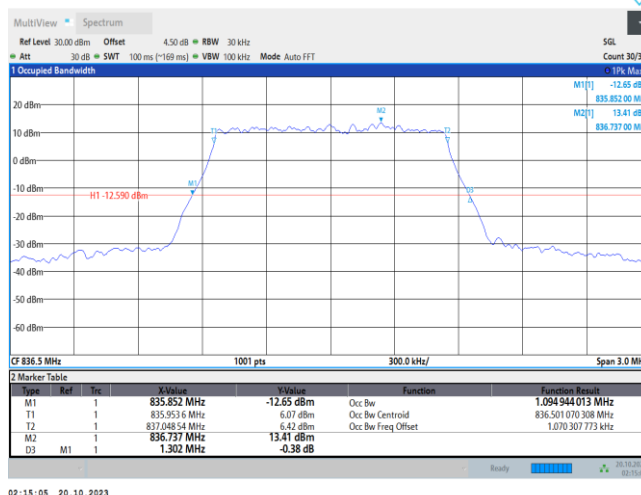
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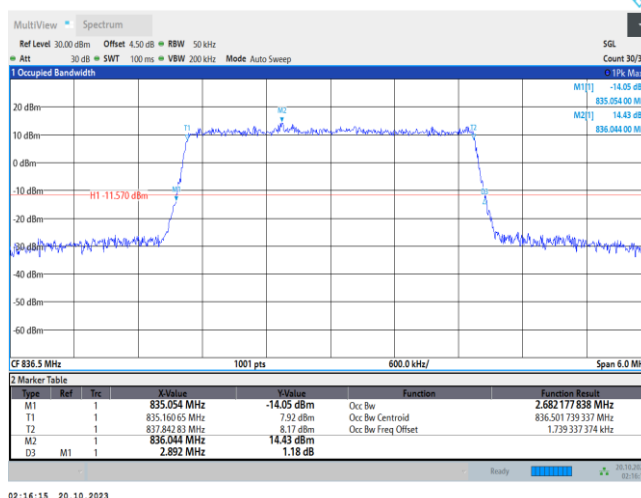
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Band5-1.4MHz-64QAM-20525-6RB#0



Band5-3MHz-QPSK-20525-15RB#0



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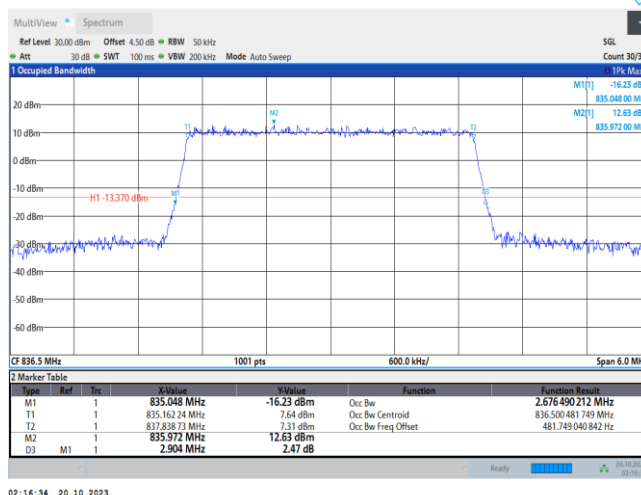
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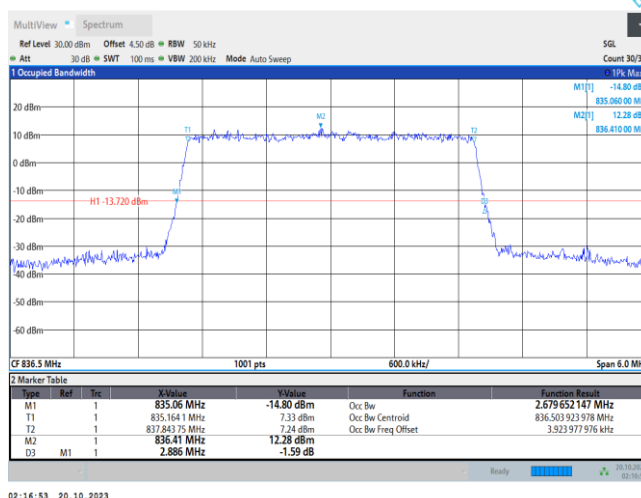
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Band5-3MHz-16QAM-20525-15RB#0



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



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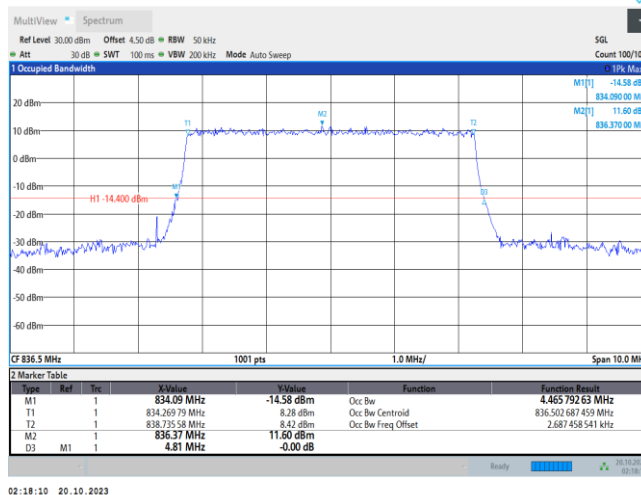
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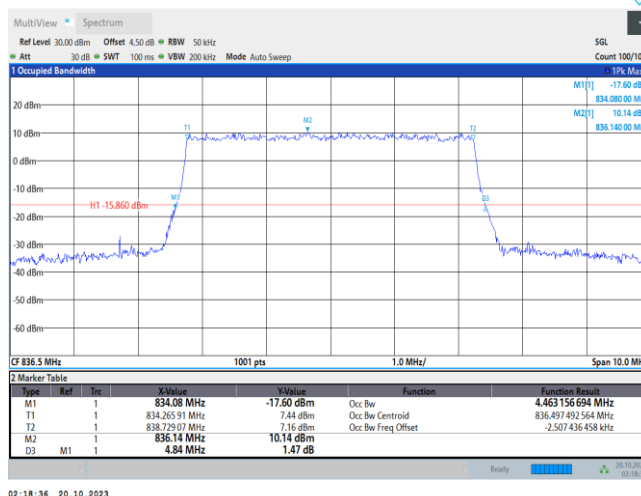
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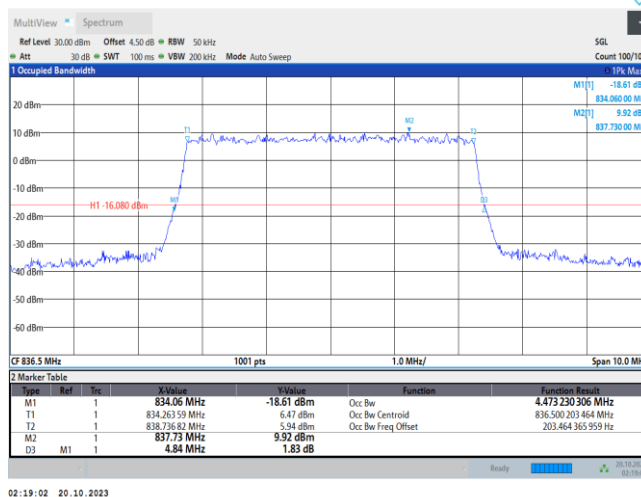


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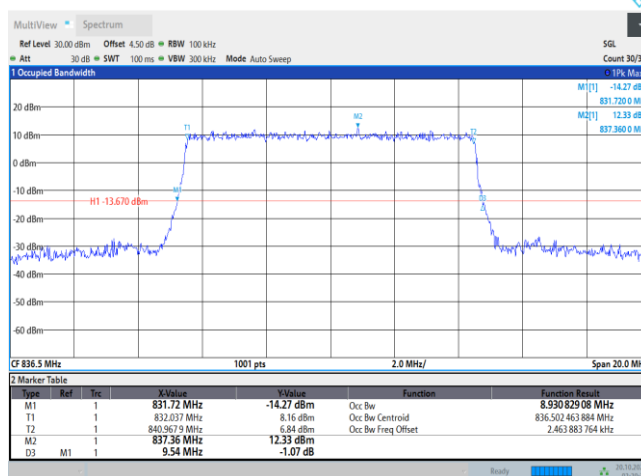
Page: 18 of 37

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



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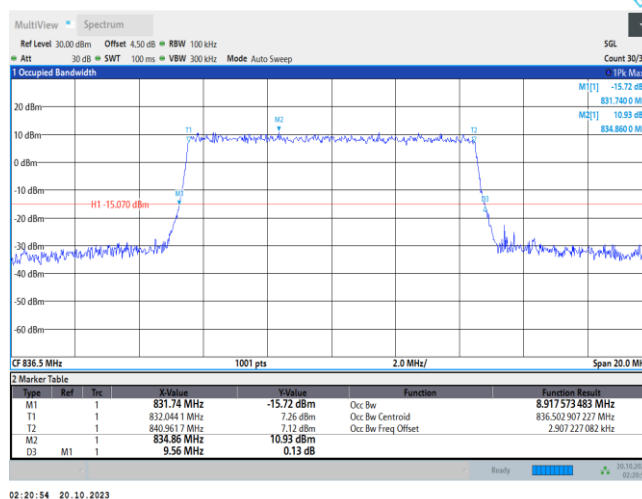
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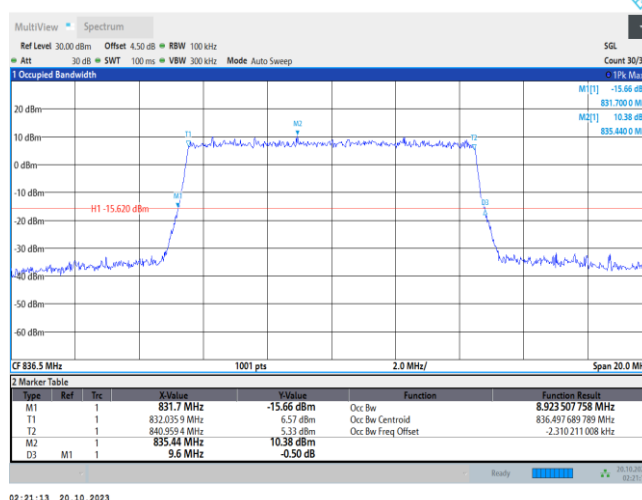
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Page: 19 of 37

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



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Report No.: SEWM2309000387RG01

Rev.: 01

Page: 20 of 37

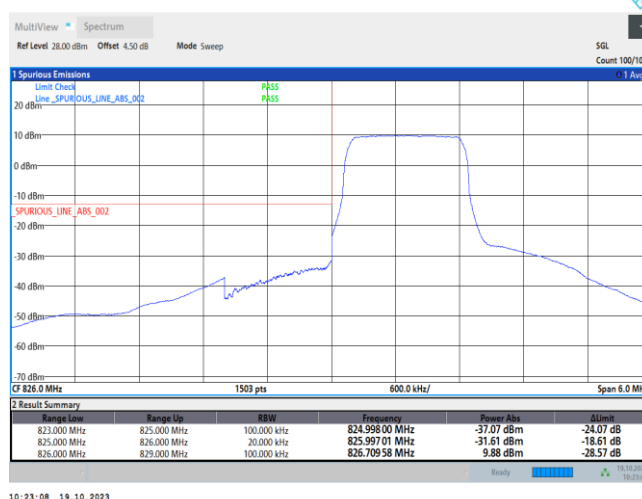
Band Edge

Test Graphs

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



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



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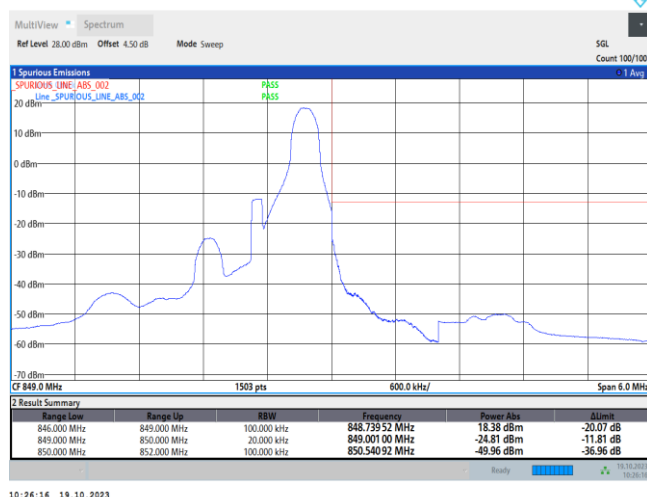
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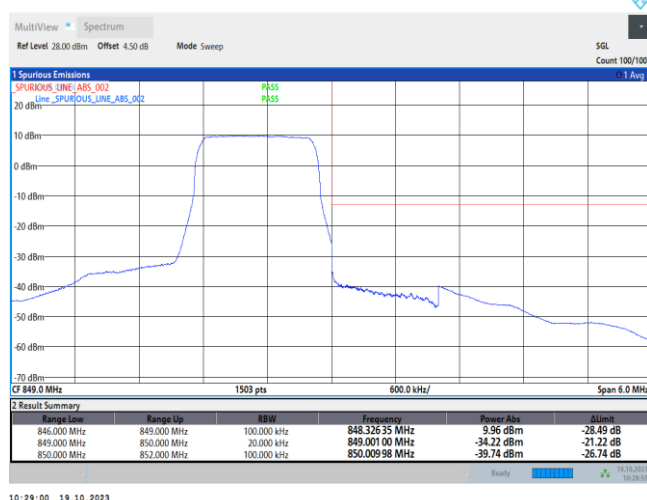
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Page: 21 of 37

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



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Rev.: 01

Page: 22 of 37

Band5-3MHz-QPSK-20415-1RB#0



10:32:09 19.10.2023

Band5-3MHz-QPSK-20415-15RB#0



10:34:52 19.10.2023



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Band5-3MHz-QPSK-20635-1RB#14



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



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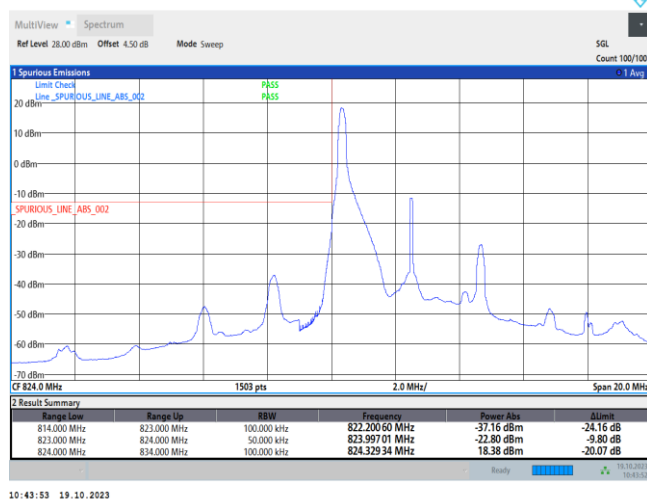
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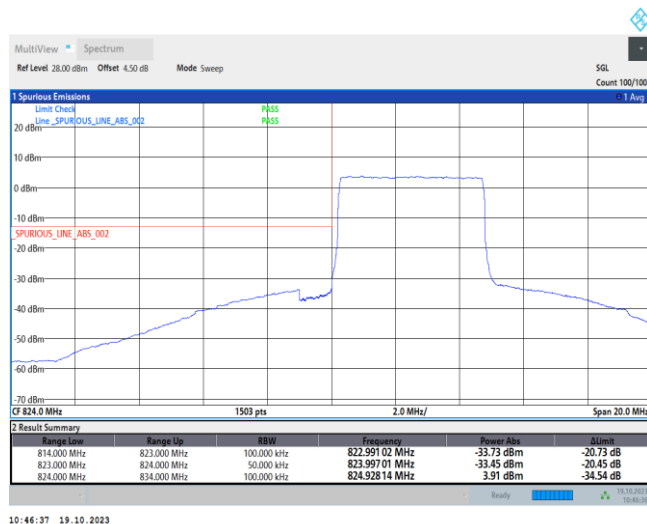
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Band5-5MHz-QPSK-20425-1RB#0



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



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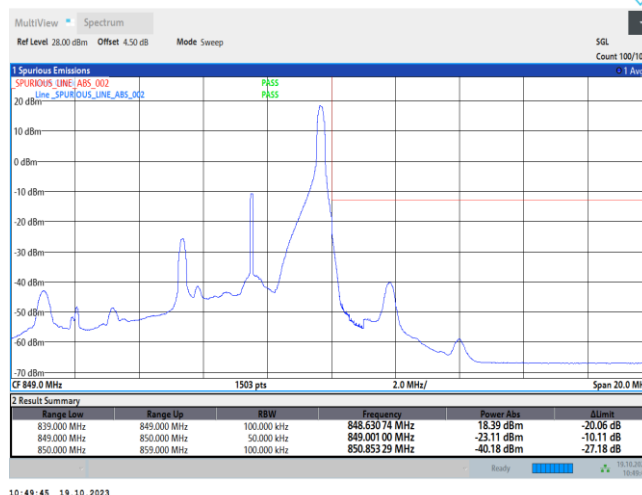
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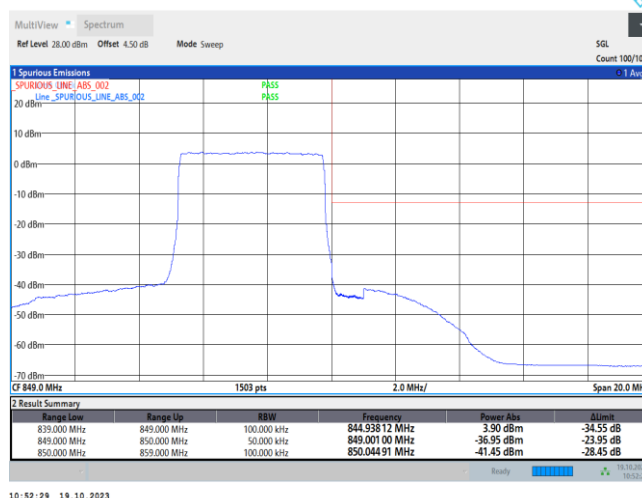
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Band5-5MHz-QPSK-20625-25RB#0



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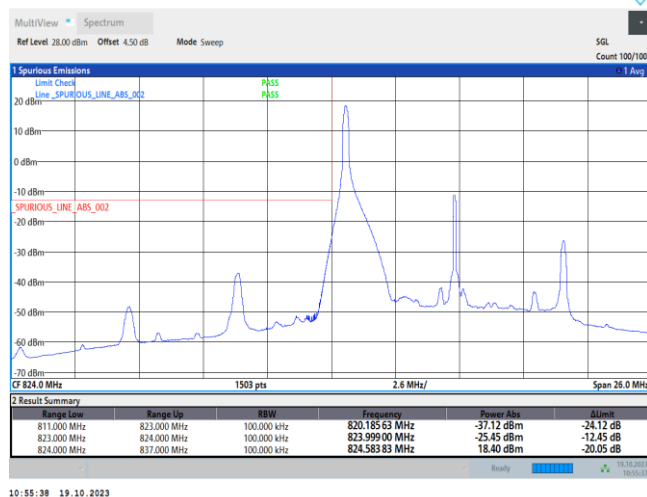
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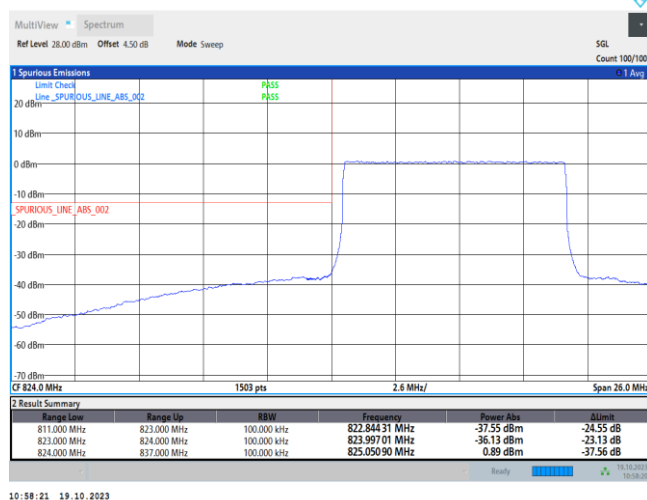
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Band5-10MHz-QPSK-20450-1RB#0



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



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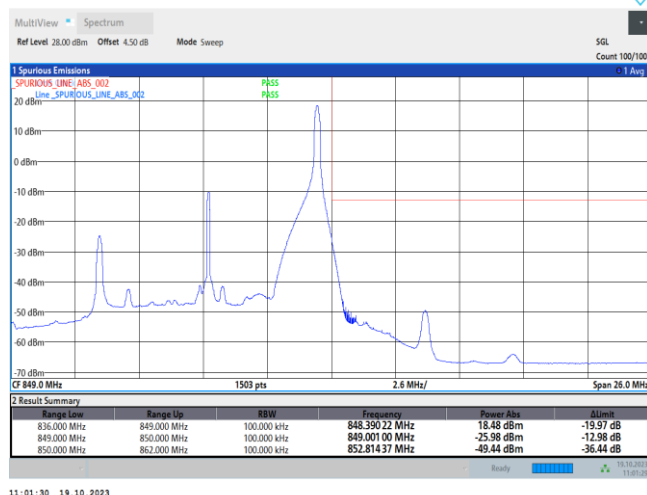
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Band5-10MHz-QPSK-20600-1RB#49



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



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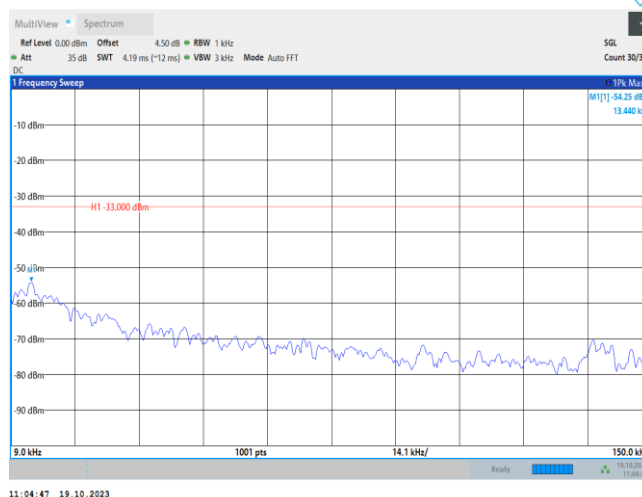
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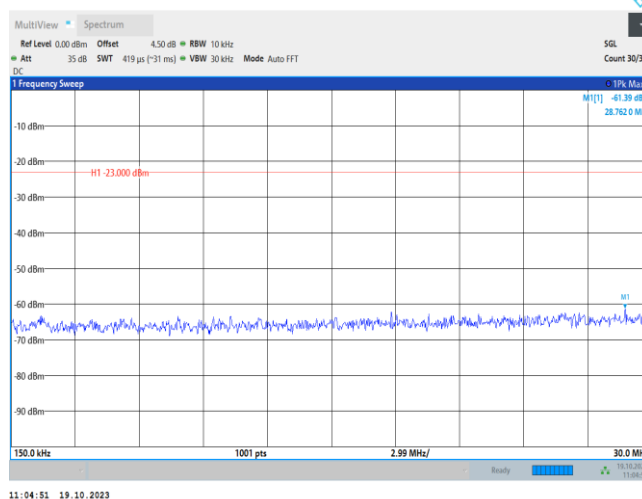
Conducted Spurious Emission

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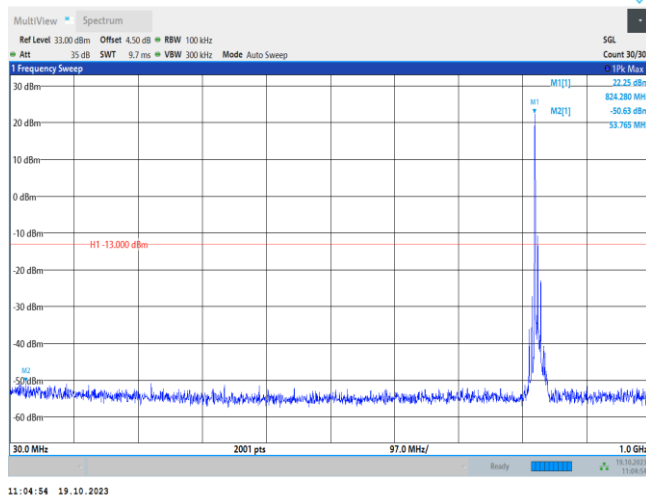
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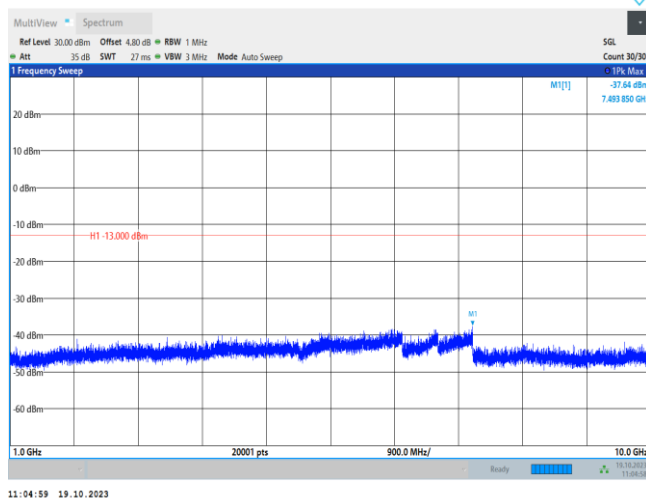
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Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



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



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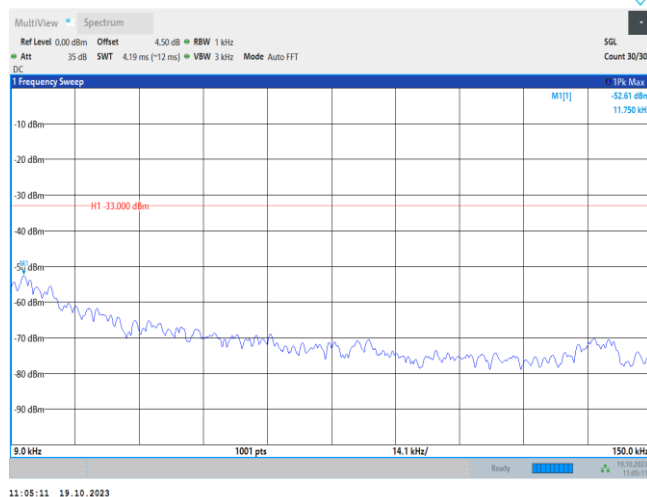
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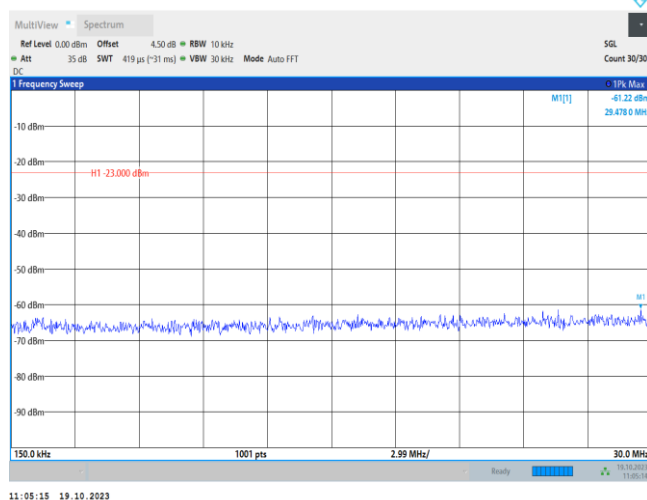
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Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



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



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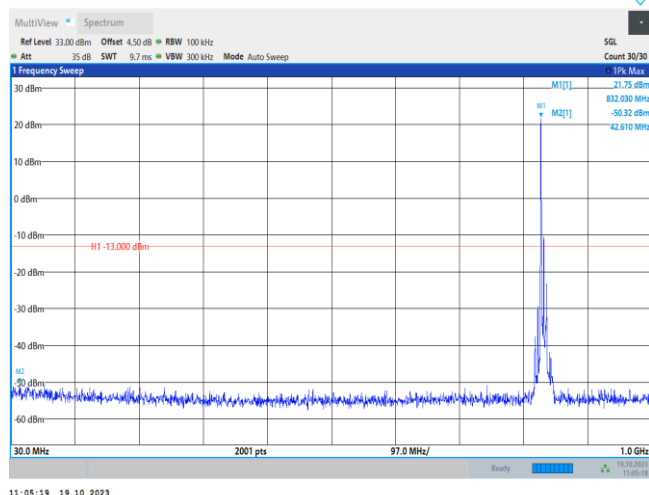
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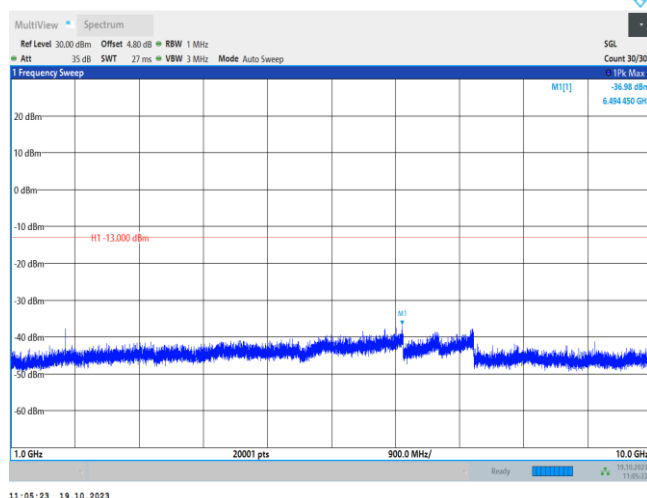
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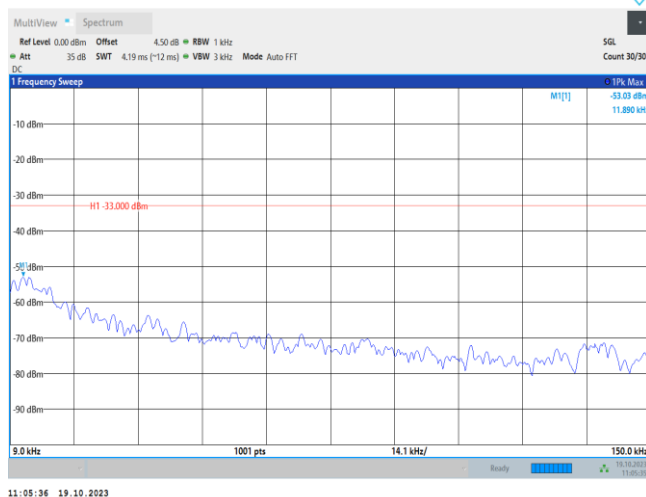
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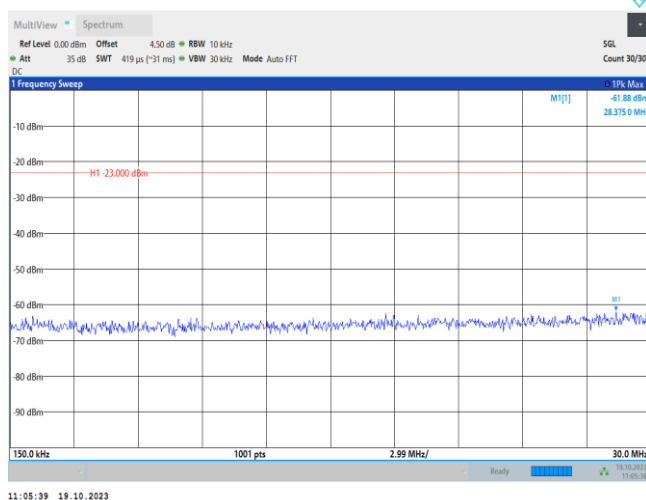
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Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



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



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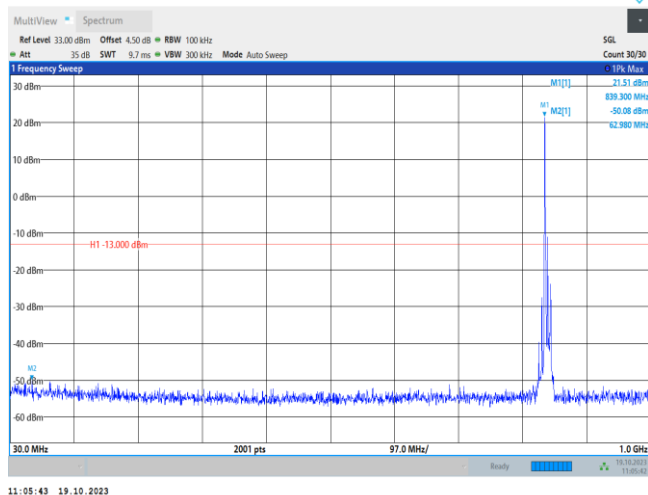
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Report No.: SEWM2309000387RG01

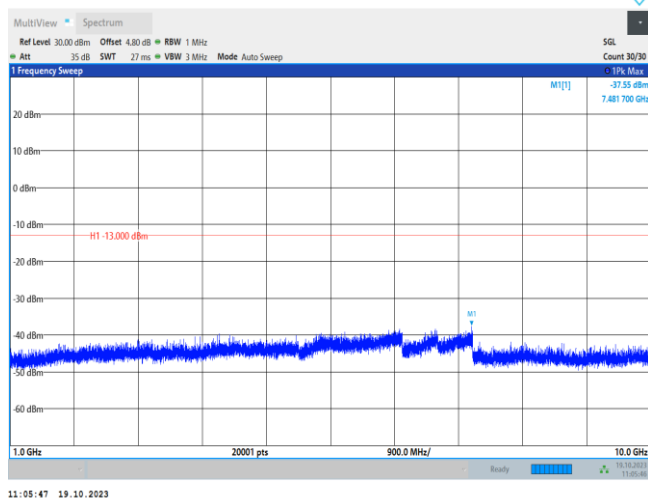
Rev.: 01

Page: 33 of 37

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



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



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Report No.: SEWM2309000387RG01

Rev.: 01

Page: 34 of 37

Field Strength of Spurious Radiation

Test Band = LTE Band5_ TM1
Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.1800	45.25	-48.22	25.27	-72.96	-13.00	59.96	Horizontal
2	2473.7700	51.29	-47.32	27.23	-64.06	-13.00	51.06	Horizontal
3	3298.3600	41.74	-46.68	28.48	-71.72	-13.00	58.72	Horizontal
4	4122.9500	40.70	-45.91	29.40	-71.08	-13.00	58.08	Horizontal
5	4947.5400	40.47	-45.69	31.29	-69.19	-13.00	56.19	Horizontal
6	5772.1300	39.23	-44.64	32.65	-68.01	-13.00	55.01	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.1800	45.96	-48.22	25.27	-72.25	-13.00	59.25	Vertical
2	2473.7700	52.45	-47.32	27.23	-62.90	-13.00	49.90	Vertical
3	3298.3600	42.03	-46.68	28.48	-71.43	-13.00	58.43	Vertical
4	4122.9500	40.73	-45.91	29.40	-71.05	-13.00	58.05	Vertical
5	4947.5400	40.76	-45.69	31.29	-68.90	-13.00	55.90	Vertical
6	5772.1300	38.99	-44.64	32.65	-68.25	-13.00	55.25	Vertical



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Report No.: SEWM2309000387RG01

Rev.: 01

Page: 35 of 37

Test Band = LTE Band5_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664.1800	47.50	-48.20	25.30	-70.67	-13.00	57.67	Horizontal
2	2496.2700	55.54	-47.28	27.29	-59.71	-13.00	46.71	Horizontal
3	3328.3600	42.70	-46.64	28.50	-70.70	-13.00	57.70	Horizontal
4	4160.4500	40.17	-45.94	29.49	-71.54	-13.00	58.54	Horizontal
5	4992.5400	40.27	-45.79	31.38	-69.40	-13.00	56.40	Horizontal
6	5824.6300	39.96	-44.74	32.67	-67.37	-13.00	54.37	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664.1800	43.86	-48.20	25.30	-74.31	-13.00	61.31	Vertical
2	2496.2700	54.18	-47.28	27.29	-61.07	-13.00	48.07	Vertical
3	3328.3600	42.16	-46.64	28.50	-71.24	-13.00	58.24	Vertical
4	4160.4500	41.48	-45.94	29.49	-70.23	-13.00	57.23	Vertical
5	4992.5400	40.61	-45.79	31.38	-69.06	-13.00	56.06	Vertical
6	5824.6300	39.30	-44.74	32.67	-68.03	-13.00	55.03	Vertical



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Report No.: SEWM2309000387RG01

Rev.: 01

Page: 36 of 37

Test Band = LTE Band5_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.1800	52.75	-48.18	25.32	-65.38	-13.00	52.38	Horizontal
2	2518.7700	59.13	-47.21	27.34	-56.00	-13.00	43.00	Horizontal
3	3358.3600	41.50	-46.60	28.52	-71.84	-13.00	58.84	Horizontal
4	4197.9500	39.81	-45.96	29.58	-71.83	-13.00	58.83	Horizontal
5	5037.5400	40.05	-45.65	31.49	-69.37	-13.00	56.37	Horizontal
6	5887.1300	40.43	-44.93	32.68	-67.08	-13.00	54.08	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.1800	47.14	-48.18	25.32	-70.99	-13.00	57.99	Vertical
2	2518.7700	59.12	-47.21	27.34	-56.01	-13.00	43.01	Vertical
3	3358.3600	42.08	-46.60	28.52	-71.26	-13.00	58.26	Vertical
4	4197.9500	40.07	-45.96	29.58	-71.57	-13.00	58.57	Vertical
5	5037.5400	40.28	-45.65	31.49	-69.14	-13.00	56.14	Vertical
6	5887.1300	39.90	-44.93	32.68	-67.61	-13.00	54.61	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

$$AF = \text{Antenna Factor (dB/m)}$$

$$\text{Factor} = \text{Cable Factor (dB)} - \text{Preamplifier (dB)}$$

$$\text{Level} = \text{Reading Level} + AF + \text{Factor} - 95.26$$

$$\text{Margin} = \text{Limit} - \text{Level}$$


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Rev.: 01

Page: 37 of 37

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	-7.40	-0.008846	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-11.70	-0.013987	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-4.30	-0.005140	±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	-8.20	-0.009803	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-9.20	-0.010998	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-4.90	-0.005858	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-9.40	-0.011237	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-9.30	-0.011118	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-8.80	-0.010520	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-1.10	-0.001315	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-13.30	-0.015900	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-5.90	-0.007053	±2.5	PASS

---End of Attachment---



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