

Report No.: SUCR240100001701
Rev.: 01
Page: 1 of 43

Appendix B.12

LTE Band 30



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Report No.: SUCR240100001701

Rev.: 01

Page: 2 of 43

Effective (Isotropic) Radiated Power Output Data

Test Result ANT1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band30	5MHz	QPSK	27685	1RB#0	22.94	17.24	23.98	PASS
Band30	5MHz	QPSK	27685	1RB#12	22.95	17.25	23.98	PASS
Band30	5MHz	QPSK	27685	1RB#24	22.89	17.19	23.98	PASS
Band30	5MHz	QPSK	27685	25RB#0	21.94	16.24	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#0	23.12	17.42	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#12	22.93	17.23	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#24	22.73	17.03	23.98	PASS
Band30	5MHz	QPSK	27710	25RB#0	21.90	16.2	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#0	23.25	17.55	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#12	22.88	17.18	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#24	22.93	17.23	23.98	PASS
Band30	5MHz	QPSK	27735	25RB#0	21.92	16.22	23.98	PASS
Band30	5MHz	16QAM	27685	1RB#0	21.95	16.25	23.98	PASS
Band30	5MHz	16QAM	27685	1RB#12	22.28	16.58	23.98	PASS
Band30	5MHz	16QAM	27685	1RB#24	21.97	16.27	23.98	PASS
Band30	5MHz	16QAM	27685	25RB#0	20.97	15.27	23.98	PASS
Band30	5MHz	16QAM	27710	1RB#0	22.11	16.41	23.98	PASS
Band30	5MHz	16QAM	27710	1RB#12	22.05	16.35	23.98	PASS
Band30	5MHz	16QAM	27710	1RB#24	22.00	16.3	23.98	PASS
Band30	5MHz	16QAM	27710	25RB#0	20.98	15.28	23.98	PASS
Band30	5MHz	16QAM	27735	1RB#0	22.25	16.55	23.98	PASS
Band30	5MHz	16QAM	27735	1RB#12	22.08	16.38	23.98	PASS
Band30	5MHz	16QAM	27735	1RB#24	22.06	16.36	23.98	PASS
Band30	5MHz	16QAM	27735	25RB#0	20.98	15.28	23.98	PASS
Band30	5MHz	64QAM	27685	1RB#0	21.23	15.53	23.98	PASS
Band30	5MHz	64QAM	27685	1RB#12	21.14	15.44	23.98	PASS
Band30	5MHz	64QAM	27685	1RB#24	21.01	15.31	23.98	PASS



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Report No.: SUCR240100001701

Rev.: 01

Page: 3 of 43

Band30	5MHz	64QAM	27685	25RB#0	19.96	14.26	23.98	PASS
Band30	5MHz	64QAM	27710	1RB#0	20.89	15.19	23.98	PASS
Band30	5MHz	64QAM	27710	1RB#12	21.13	15.43	23.98	PASS
Band30	5MHz	64QAM	27710	1RB#24	20.97	15.27	23.98	PASS
Band30	5MHz	64QAM	27710	25RB#0	19.90	14.2	23.98	PASS
Band30	5MHz	64QAM	27735	1RB#0	20.92	15.22	23.98	PASS
Band30	5MHz	64QAM	27735	1RB#12	21.09	15.39	23.98	PASS
Band30	5MHz	64QAM	27735	1RB#24	20.93	15.23	23.98	PASS
Band30	5MHz	64QAM	27735	25RB#0	19.93	14.23	23.98	PASS
Band30	5MHz	256QAM	27685	1RB#0	17.94	12.24	23.98	PASS
Band30	5MHz	256QAM	27685	1RB#12	18.30	12.6	23.98	PASS
Band30	5MHz	256QAM	27685	1RB#24	17.96	12.26	23.98	PASS
Band30	5MHz	256QAM	27685	25RB#0	17.98	12.28	23.98	PASS
Band30	5MHz	256QAM	27710	1RB#0	17.78	12.08	23.98	PASS
Band30	5MHz	256QAM	27710	1RB#12	17.99	12.29	23.98	PASS
Band30	5MHz	256QAM	27710	1RB#24	17.84	12.14	23.98	PASS
Band30	5MHz	256QAM	27710	25RB#0	17.81	12.11	23.98	PASS
Band30	5MHz	256QAM	27735	1RB#0	17.97	12.27	23.98	PASS
Band30	5MHz	256QAM	27735	1RB#12	18.02	12.32	23.98	PASS
Band30	5MHz	256QAM	27735	1RB#24	17.90	12.2	23.98	PASS
Band30	5MHz	256QAM	27735	25RB#0	17.84	12.14	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#0	23.11	17.41	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#24	22.91	17.21	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#49	22.75	17.05	23.98	PASS
Band30	10MHz	QPSK	27710	50RB#0	21.92	16.22	23.98	PASS
Band30	10MHz	16QAM	27710	1RB#0	21.97	16.27	23.98	PASS
Band30	10MHz	16QAM	27710	1RB#24	22.02	16.32	23.98	PASS
Band30	10MHz	16QAM	27710	1RB#49	21.94	16.24	23.98	PASS
Band30	10MHz	16QAM	27710	50RB#0	20.87	15.17	23.98	PASS
Band30	10MHz	64QAM	27710	1RB#0	21.08	15.38	23.98	PASS
Band30	10MHz	64QAM	27710	1RB#24	21.16	15.46	23.98	PASS
Band30	10MHz	64QAM	27710	1RB#49	21.01	15.31	23.98	PASS



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Page: 4 of 43

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Band30	10MHz	256QAM	27710	1RB#0	17.97	12.27	23.98	PASS
Band30	10MHz	256QAM	27710	1RB#24	18.27	12.57	23.98	PASS
Band30	10MHz	256QAM	27710	1RB#49	17.97	12.27	23.98	PASS
Band30	10MHz	256QAM	27710	50RB#0	17.88	12.18	23.98	PASS



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Rev.: 01

Page: 5 of 43

Maximum power spectral density

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm/5M)	EIRP (dBm/5M)	Limit (dBm/5M)	Verdict
Band30	5MHz	QPSK	27685	1RB#0	23.37	17.67	23.98	PASS
Band30	5MHz	QPSK	27685	1RB#12	23.41	17.71	23.98	PASS
Band30	5MHz	QPSK	27685	1RB#24	20.51	14.81	23.98	PASS
Band30	5MHz	QPSK	27685	12RB#0	19.95	14.25	23.98	PASS
Band30	5MHz	QPSK	27685	12RB#6	19.90	14.2	23.98	PASS
Band30	5MHz	QPSK	27685	12RB#13	19.85	14.15	23.98	PASS
Band30	5MHz	QPSK	27685	25RB#0	19.23	13.53	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#0	20.34	14.64	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#12	20.35	14.65	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#24	20.40	14.7	23.98	PASS
Band30	5MHz	QPSK	27710	12RB#0	19.80	14.1	23.98	PASS
Band30	5MHz	QPSK	27710	12RB#6	19.83	14.13	23.98	PASS
Band30	5MHz	QPSK	27710	12RB#13	19.77	14.07	23.98	PASS
Band30	5MHz	QPSK	27710	25RB#0	19.15	13.45	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#0	20.47	14.77	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#12	20.60	14.9	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#24	20.25	14.55	23.98	PASS
Band30	5MHz	QPSK	27735	12RB#0	19.77	14.07	23.98	PASS
Band30	5MHz	QPSK	27735	12RB#6	19.72	14.02	23.98	PASS
Band30	5MHz	QPSK	27735	12RB#13	19.70	14	23.98	PASS
Band30	5MHz	QPSK	27735	25RB#0	19.09	13.39	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#0	20.34	14.64	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#24	20.25	14.55	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#49	20.37	14.67	23.98	PASS
Band30	10MHz	QPSK	27710	25RB#0	19.12	13.42	23.98	PASS
Band30	10MHz	QPSK	27710	25RB#12	19.11	13.41	23.98	PASS
Band30	10MHz	QPSK	27710	25RB#25	19.14	13.44	23.98	PASS
Band30	10MHz	QPSK	27710	50RB#0	17.38	11.68	23.98	PASS



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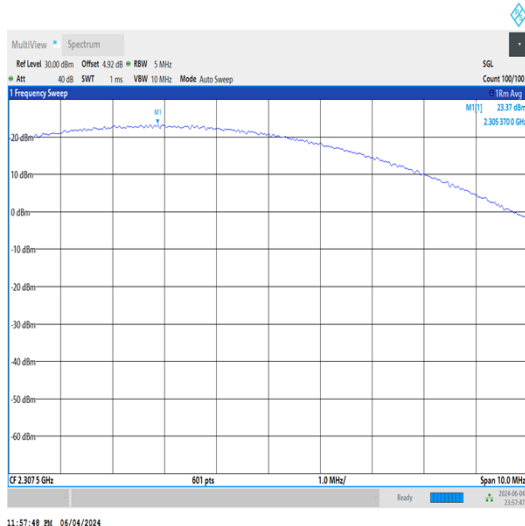
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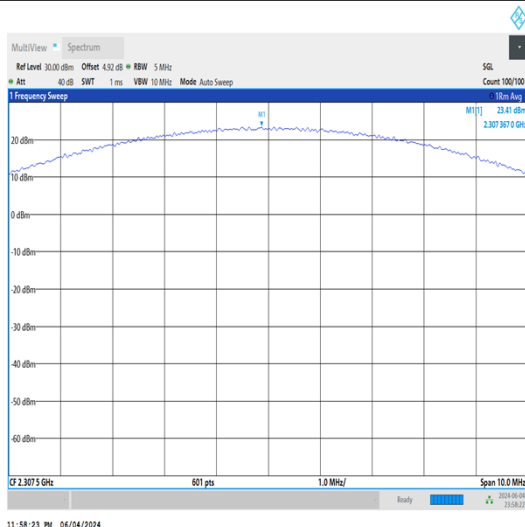
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Rev.: 01
Page: 6 of 43

Test Graphs



Band30-5MHz-QPSK-27685-1RB#0-PASS



Band30-5MHz-QPSK-27685-1RB#12-PASS



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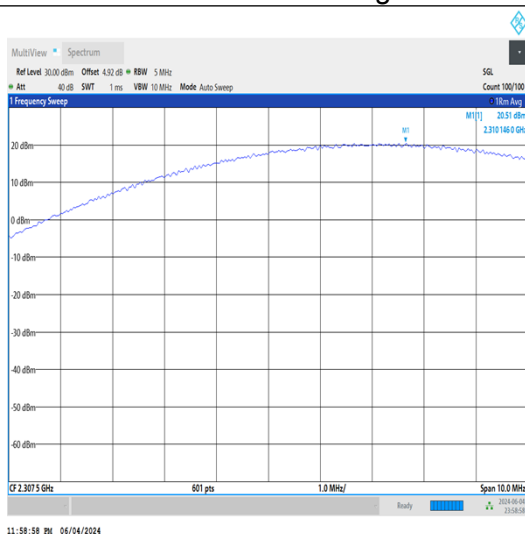
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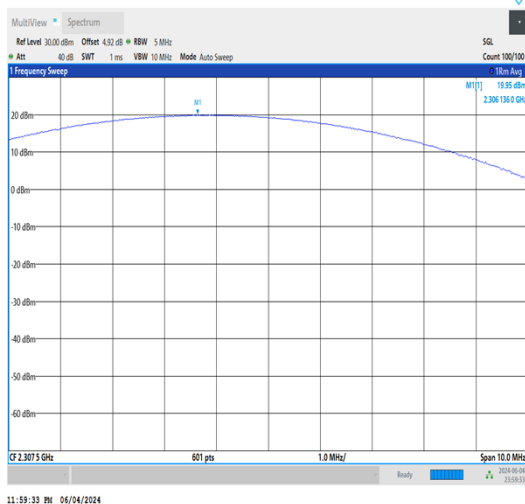
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Rev.: 01

Page: 7 of 43



Band30-5MHz-QPSK-27685-1RB#24-PASS



Band30-5MHz-QPSK-27685-12RB#0-PASS



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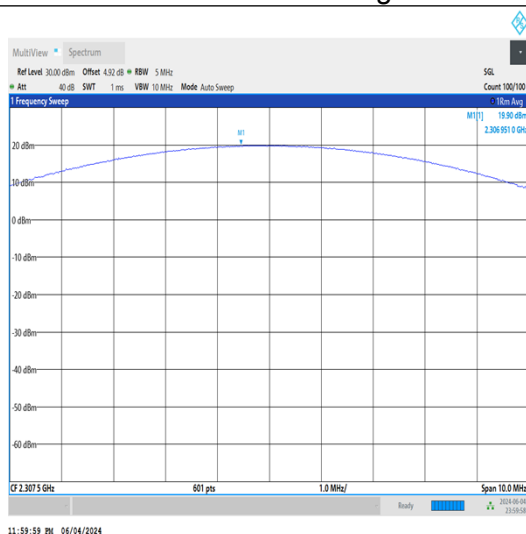
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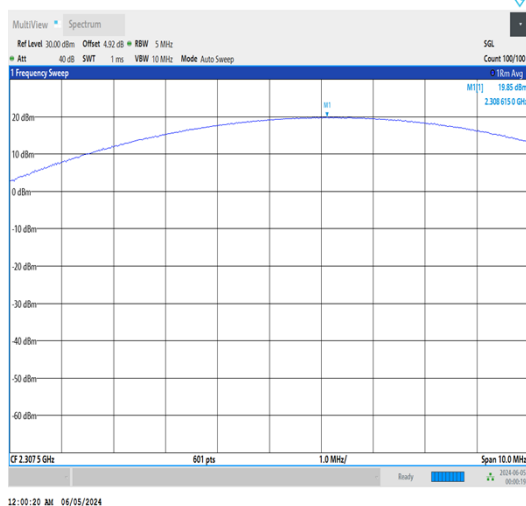
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Rev.: 01

Page: 8 of 43



Band30-5MHz-QPSK-27685-12RB#6-PASS



Band30-5MHz-QPSK-27685-12RB#13-PASS



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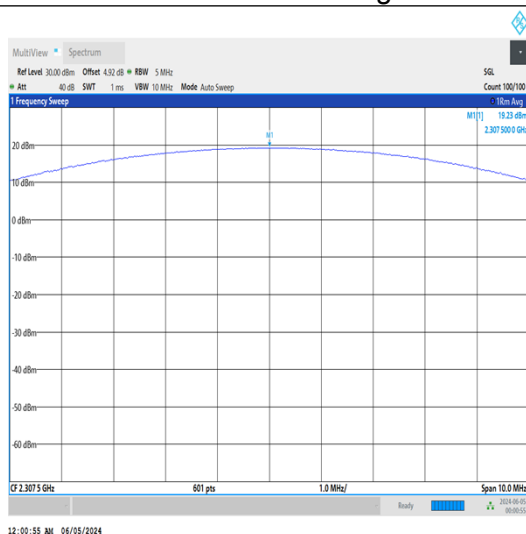
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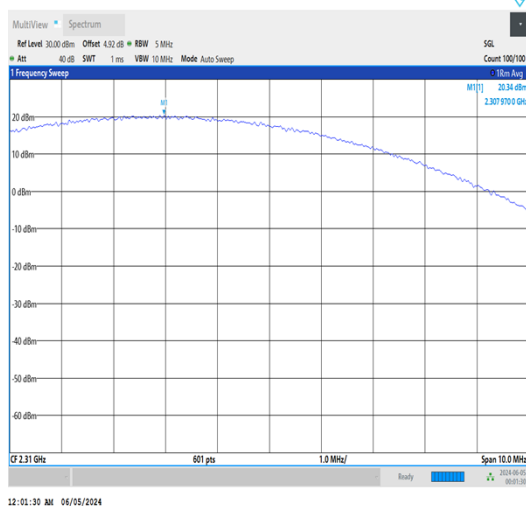
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Rev.: 01

Page: 9 of 43



Band30-5MHz-QPSK-27685-25RB#0-PASS



Band30-5MHz-QPSK-27710-1RB#0-PASS



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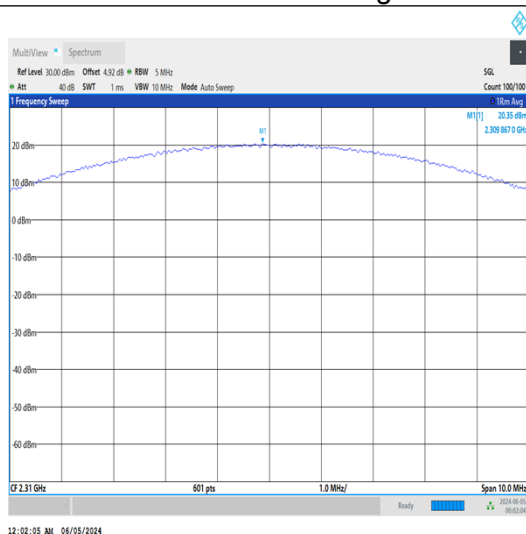
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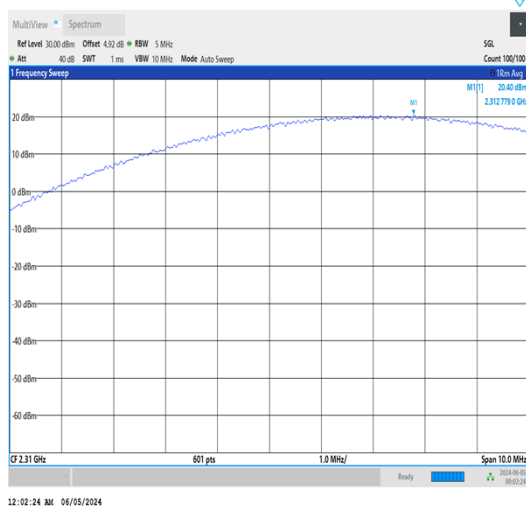
Report No.: SUCR240100001701

Rev.: 01

Page: 10 of 43



Band30-5MHz-QPSK-27710-1RB#12-PASS



Band30-5MHz-QPSK-27710-1RB#24-PASS



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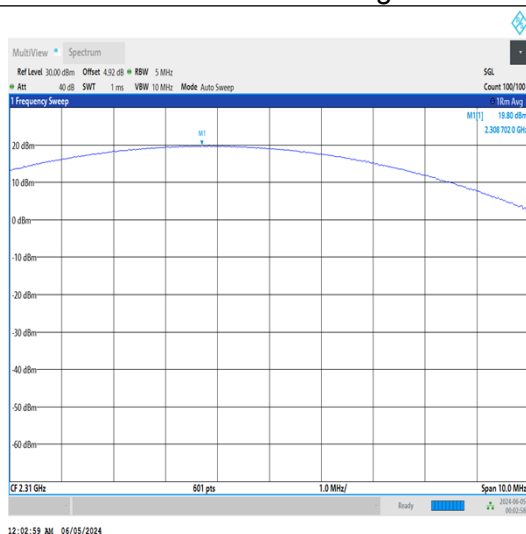
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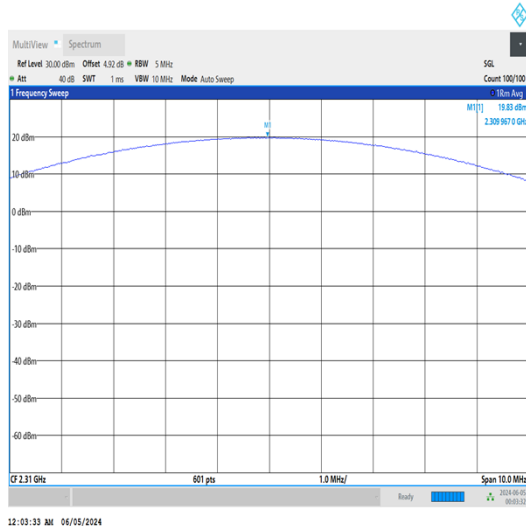
Report No.: SUCR240100001701

Rev.: 01

Page: 11 of 43



Band30-5MHz-QPSK-27710-12RB#0-PASS



Band30-5MHz-QPSK-27710-12RB#6-PASS



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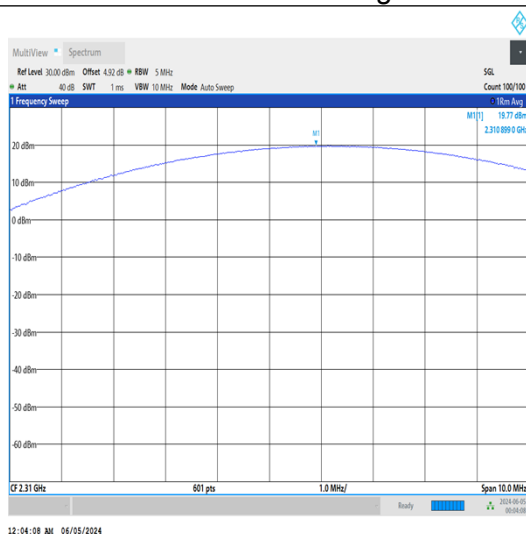
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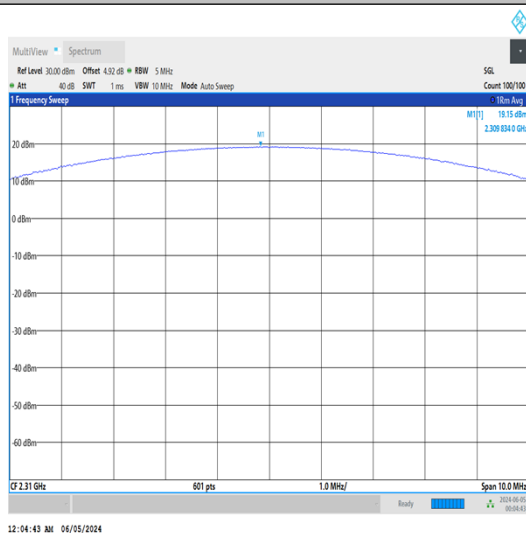
Report No.: SUCR240100001701

Rev.: 01

Page: 12 of 43



Band30-5MHz-QPSK-27710-12RB#13-PASS



Band30-5MHz-QPSK-27710-25RB#0-PASS



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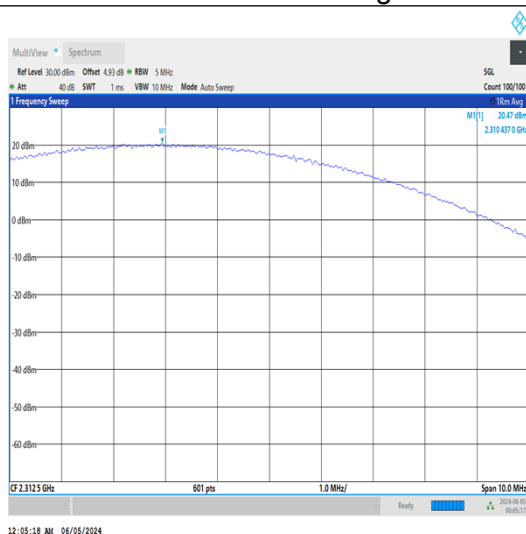
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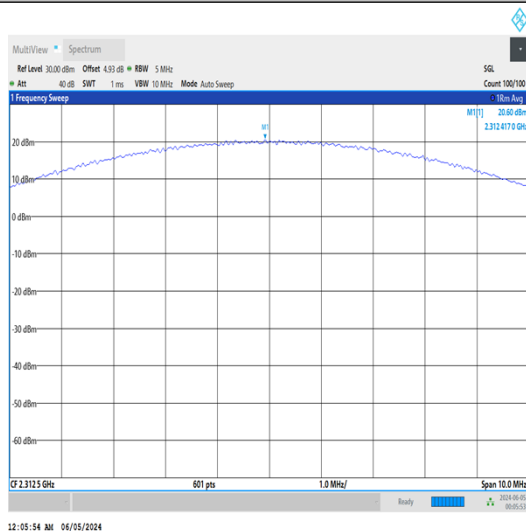
Report No.: SUCR240100001701

Rev.: 01

Page: 13 of 43



Band30-5MHz-QPSK-27735-1RB#0-PASS



Band30-5MHz-QPSK-27735-1RB#12-PASS



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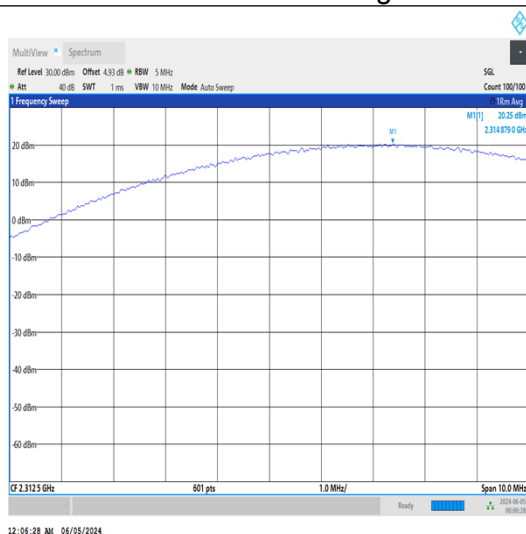
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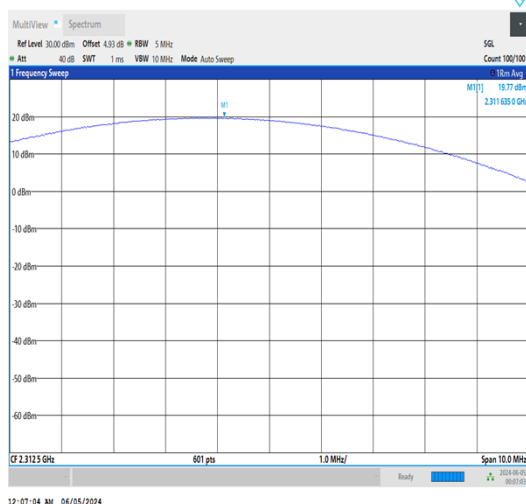
Report No.: SUCR240100001701

Rev.: 01

Page: 14 of 43



Band30-5MHz-QPSK-27735-1RB#24-PASS



Band30-5MHz-QPSK-27735-12RB#0-PASS



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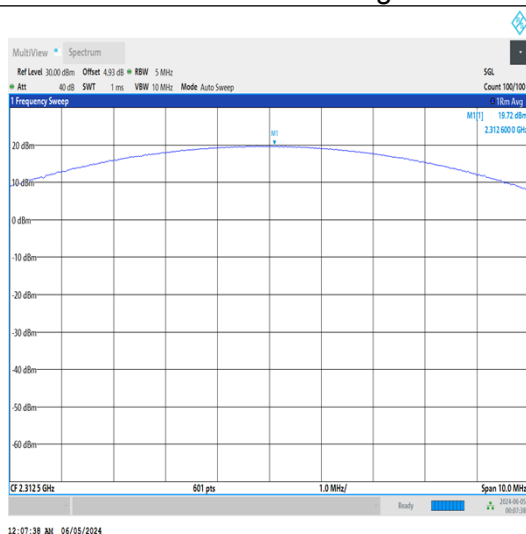
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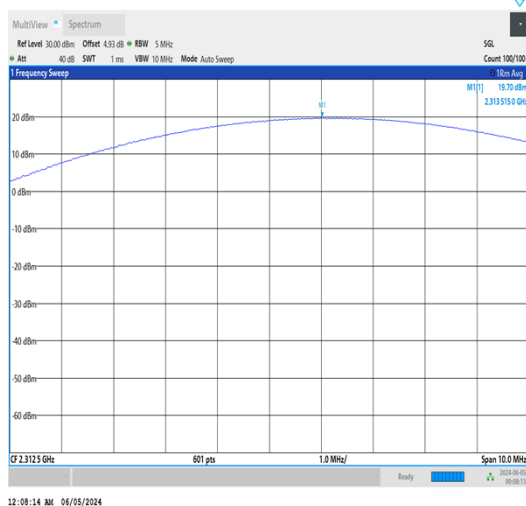
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Page: 15 of 43



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Band30-5MHz-QPSK-27735-12RB#13-PASS



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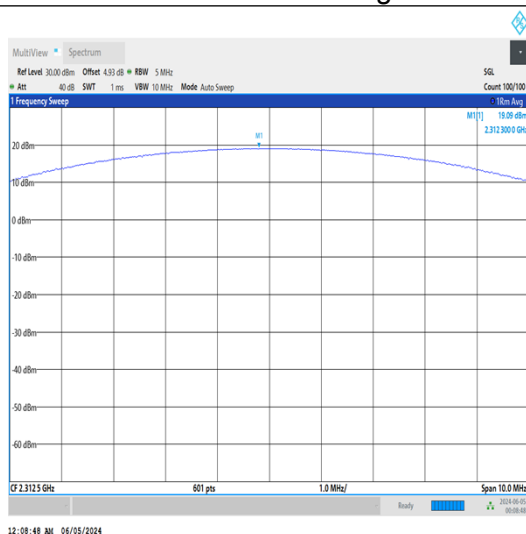
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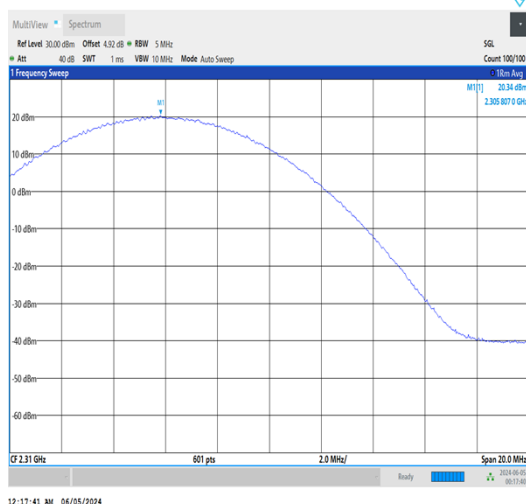
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Band30-5MHz-QPSK-27735-25RB#0-PASS



Band30-10MHz-QPSK-27710-1RB#0-PASS



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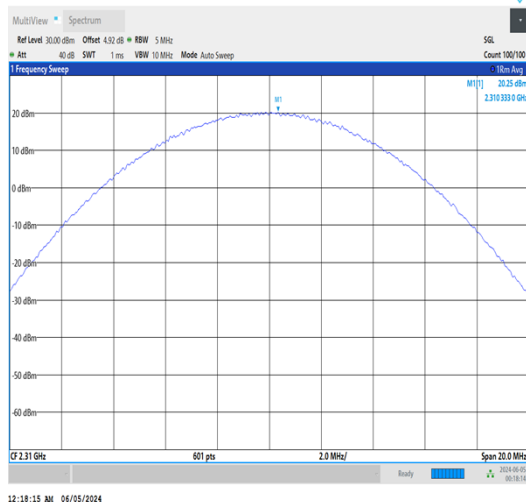
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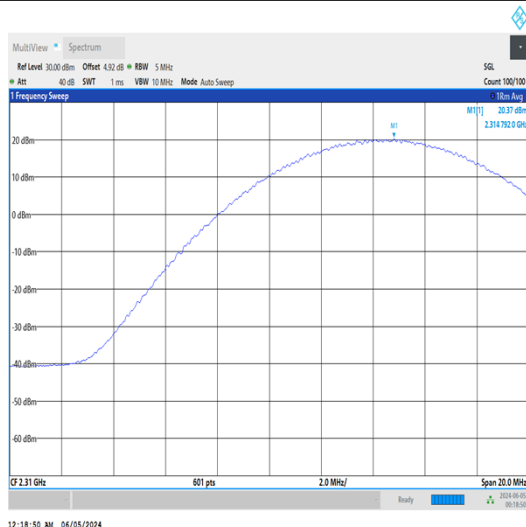
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Rev.: 01

Page: 17 of 43



Band30-10MHz-QPSK-27710-1RB#24-PASS



Band30-10MHz-QPSK-27710-1RB#49-PASS



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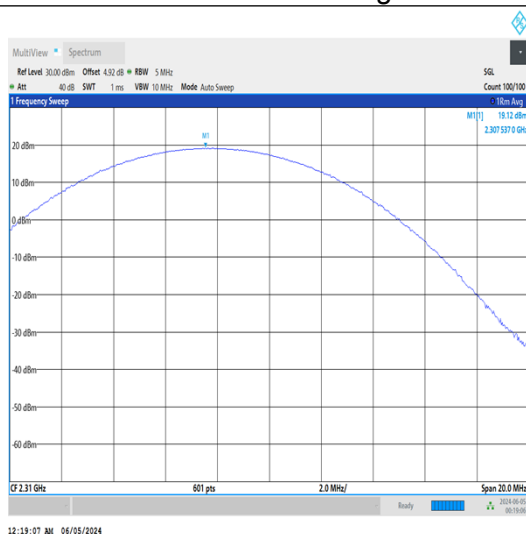
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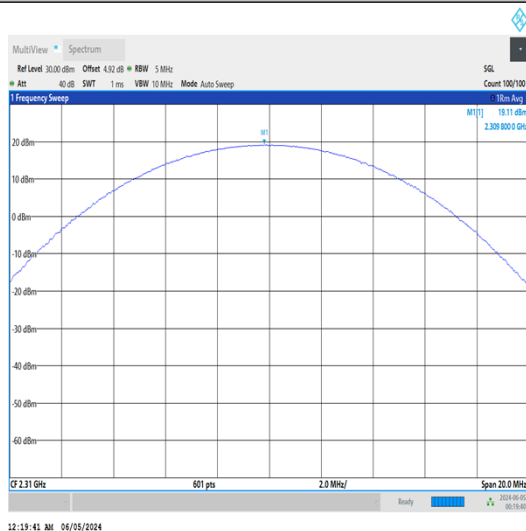
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Rev.: 01

Page: 18 of 43



Band30-10MHz-QPSK-27710-25RB#0-PASS



Band30-10MHz-QPSK-27710-25RB#12-PASS



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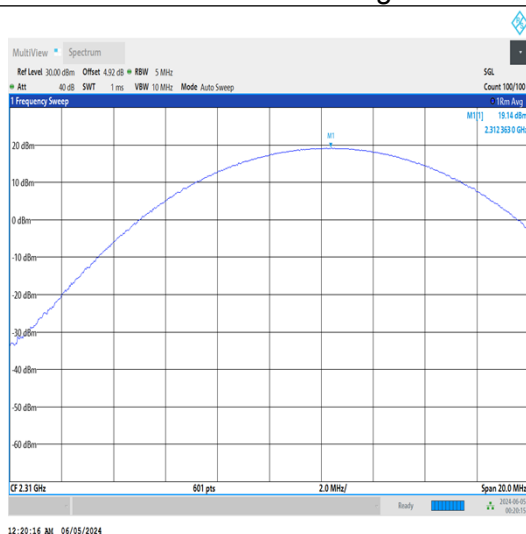
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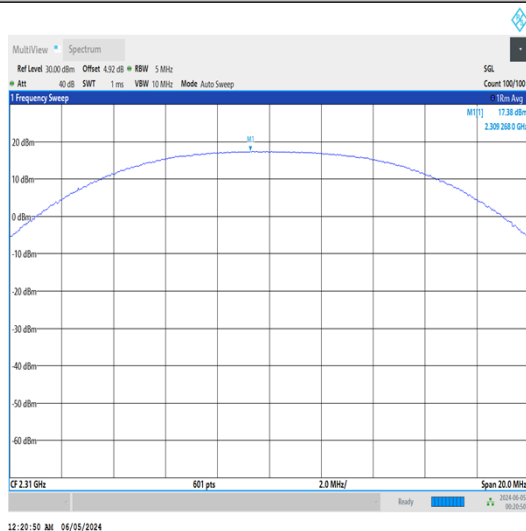
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Rev.: 01

Page: 20 of 43

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band30	10MHz	QPSK	27710	1RB#0	4.28	13	PASS
Band30	10MHz	QPSK	27710	50RB#0	4.84	13	PASS
Band30	10MHz	16QAM	27710	1RB#0	5.28	13	PASS
Band30	10MHz	16QAM	27710	50RB#0	6.00	13	PASS
Band30	10MHz	64QAM	27710	1RB#0	6.24	13	PASS
Band30	10MHz	64QAM	27710	50RB#0	6.80	13	PASS
Band30	10MHz	256QAM	27710	1RB#0	7.24	13	PASS
Band30	10MHz	256QAM	27710	50RB#0	7.12	13	PASS



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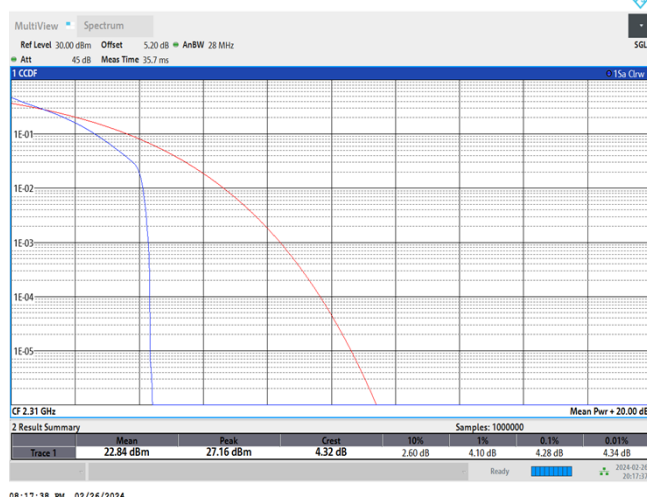
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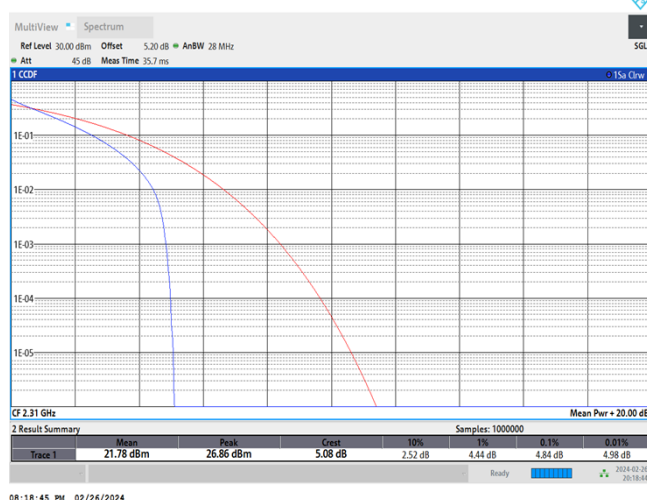
Report No.: SUCR240100001701
 Rev.: 01
 Page: 21 of 43

Test Graphs

Band30-10MHz-QPSK-27710-1RB#0



Band30-10MHz-QPSK-27710-50RB#0



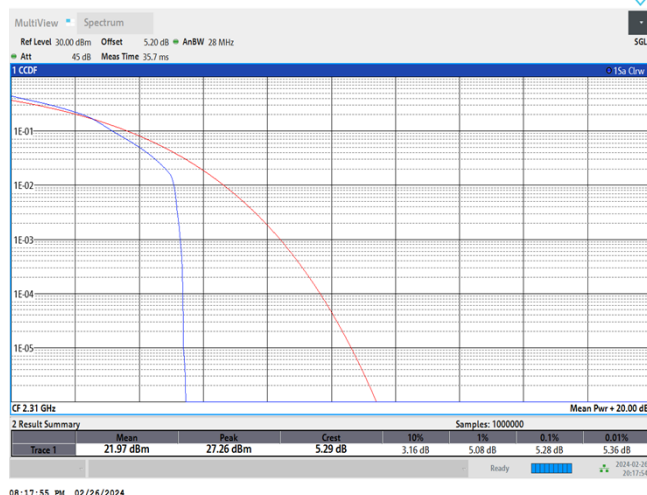
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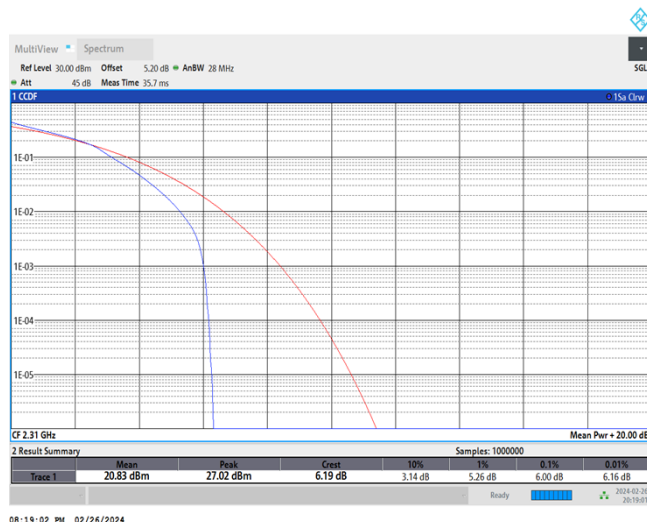
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Report No.: SUCR240100001701
Rev.: 01
Page: 22 of 43

Band30-10MHz-16QAM-27710-1RB#0



Band30-10MHz-16QAM-27710-50RB#0



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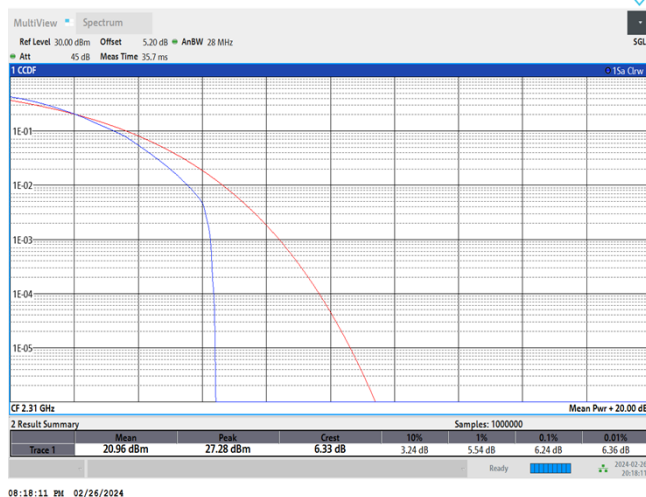
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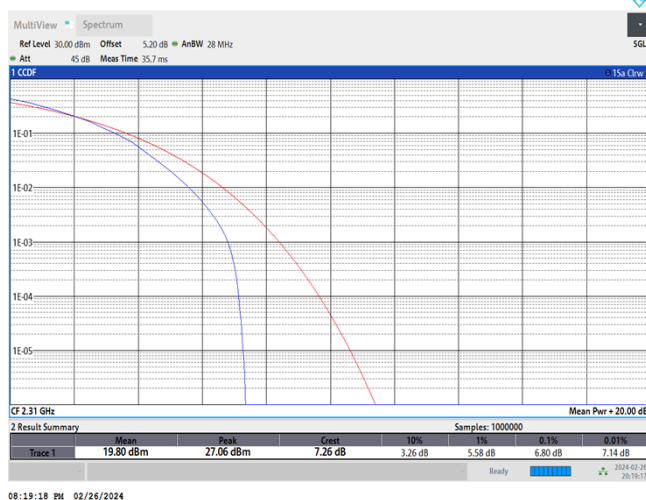
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Report No.: SUCR240100001701
Rev.: 01
Page: 23 of 43

Band30-10MHz-64QAM-27710-1RB#0



Band30-10MHz-64QAM-27710-50RB#0



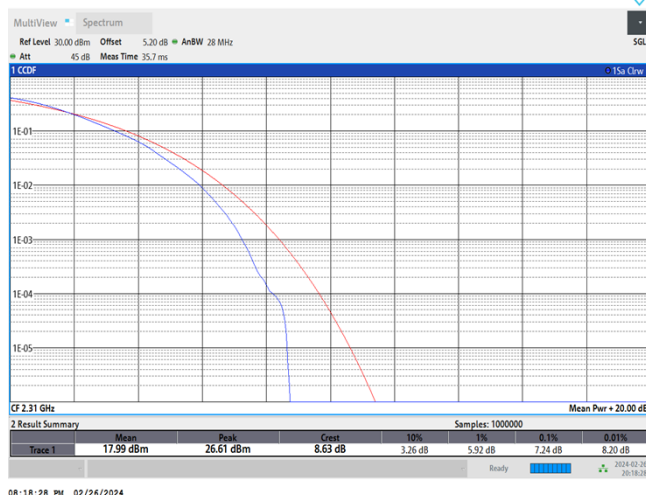
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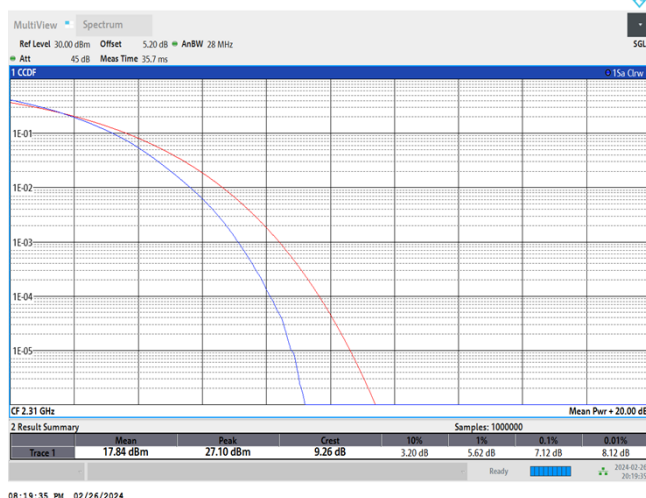
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Report No.: SUCR240100001701
Rev.: 01
Page: 24 of 43

Band30-10MHz-256QAM-27710-1RB#0



Band30-10MHz-256QAM-27710-50RB#0



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Rev.: 01

Page: 25 of 43

26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band30	5MHz	QPSK	27710	25RB#0	4.499	4.79	PASS
Band30	5MHz	16QAM	27710	25RB#0	4.501	4.79	PASS
Band30	5MHz	64QAM	27710	25RB#0	4.506	4.78	PASS
Band30	5MHz	256QAM	27710	25RB#0	4.499	4.79	PASS
Band30	10MHz	QPSK	27710	50RB#0	8.979	9.57	PASS
Band30	10MHz	16QAM	27710	50RB#0	8.981	9.53	PASS
Band30	10MHz	64QAM	27710	50RB#0	8.979	9.53	PASS
Band30	10MHz	256QAM	27710	50RB#0	8.986	9.57	PASS



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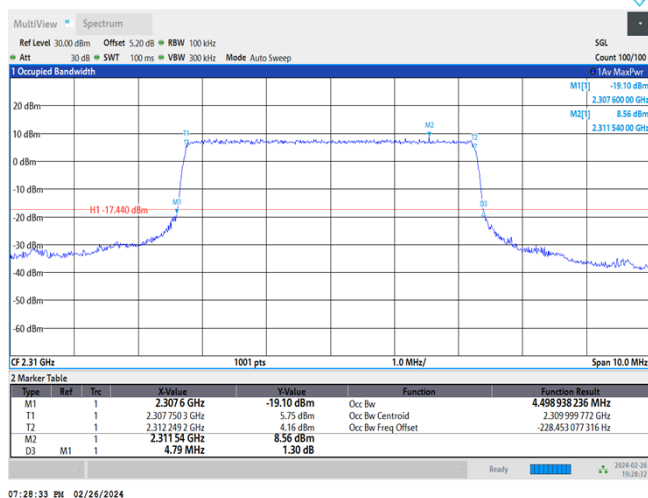
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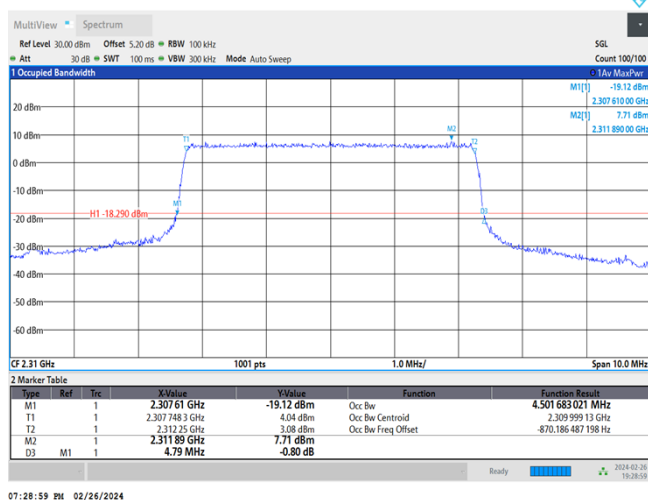
Report No.: SUCR240100001701
Rev.: 01
Page: 26 of 43

Test Graphs

Band30-5MHz-QPSK-27710-25RB#0



Band30-5MHz-16QAM-27710-25RB#0



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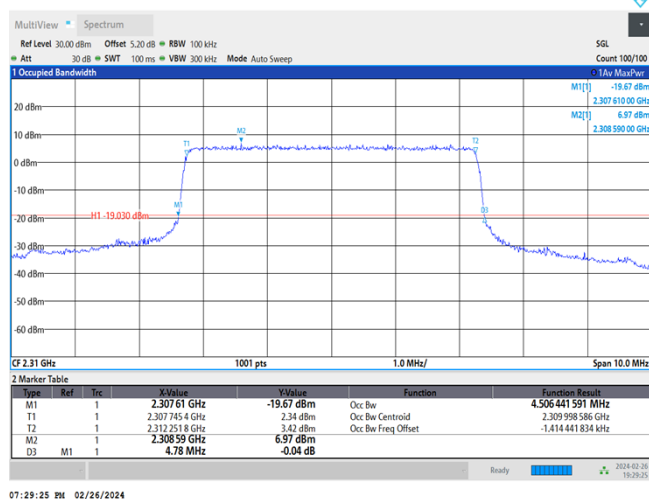
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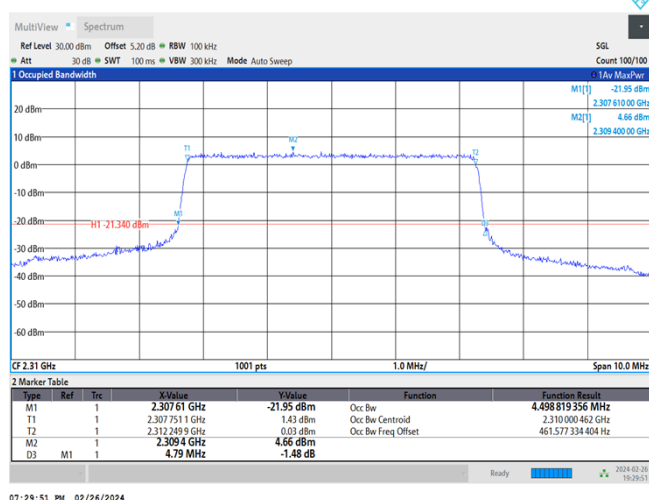
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Rev.: 01
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Band30-5MHz-64QAM-27710-25RB#0



Band30-5MHz-256QAM-27710-25RB#0



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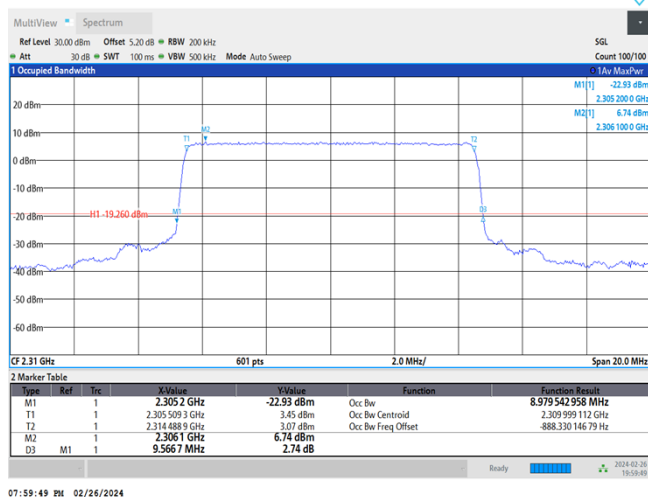
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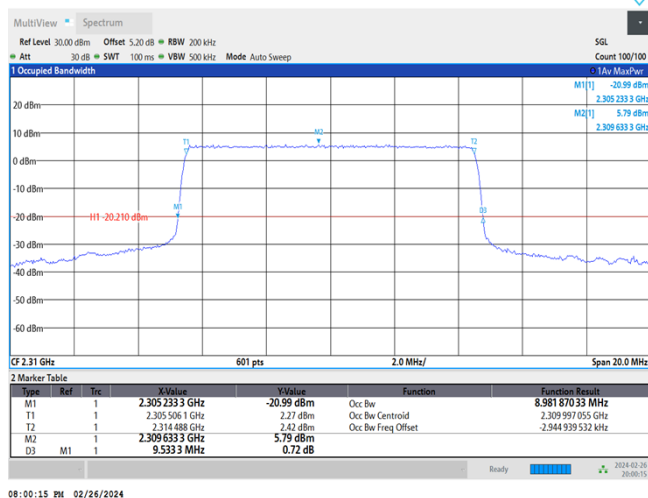
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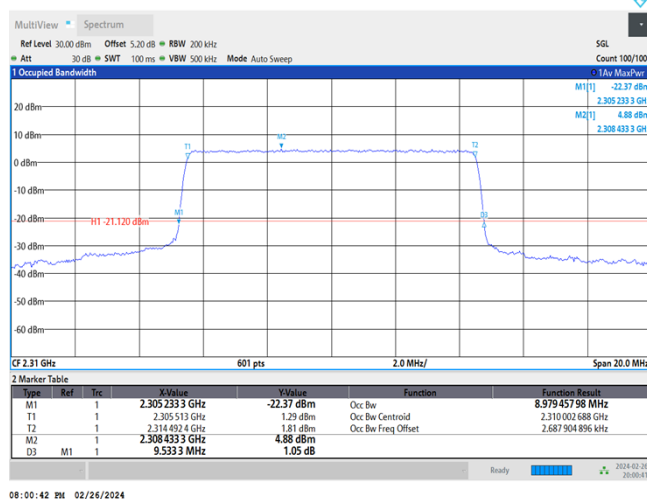
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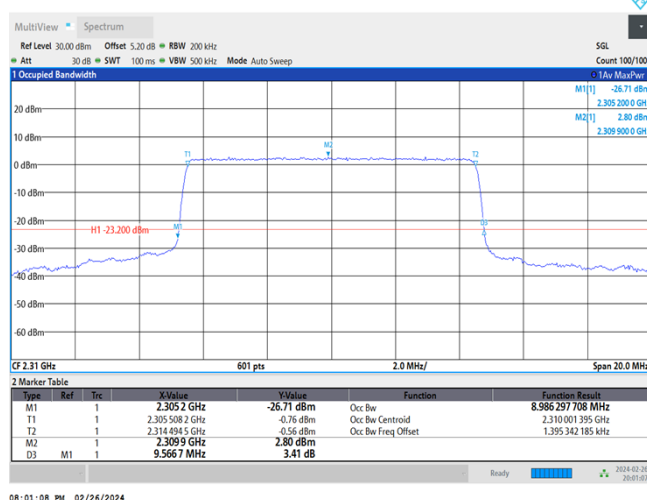
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Rev.: 01
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Band30-10MHz-64QAM-27710-50RB#0



Band30-10MHz-256QAM-27710-50RB#0



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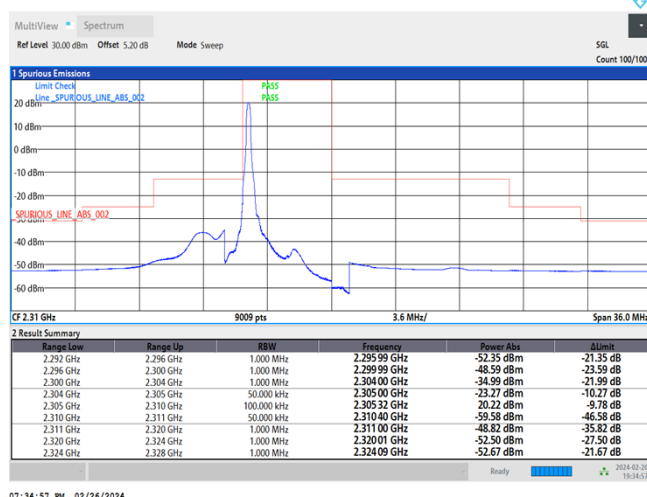
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Report No.: SUCR240100001701
 Rev.: 01
 Page: 30 of 43

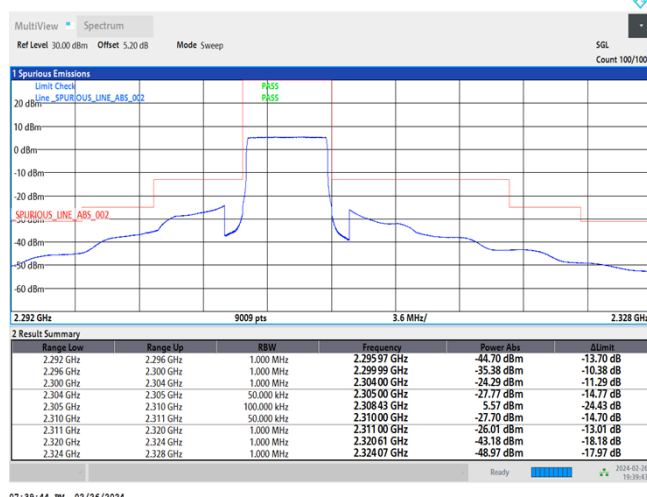
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Test Graphs

Band30-5MHz-QPSK-27685-1RB#0



Band30-5MHz-QPSK-27685-25RB#0



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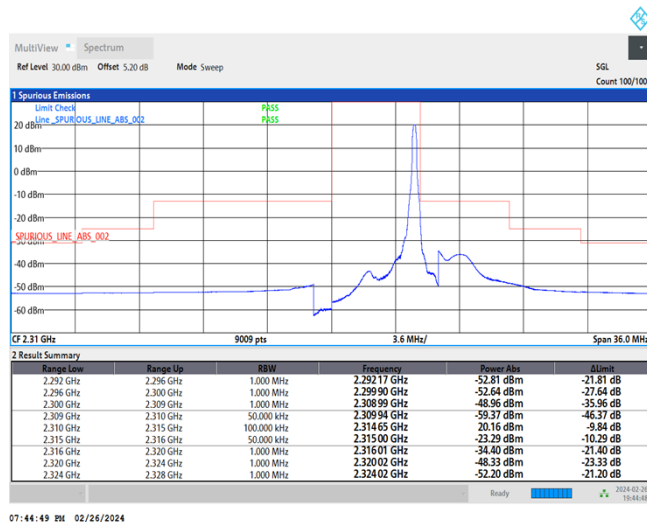
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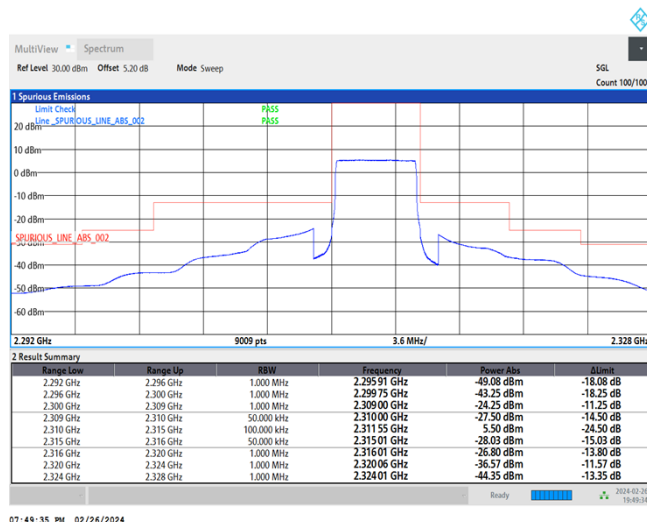
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Rev.: 01
Page: 31 of 43

Band30-5MHz-QPSK-27735-1RB#24



Band30-5MHz-QPSK-27735-25RB#0



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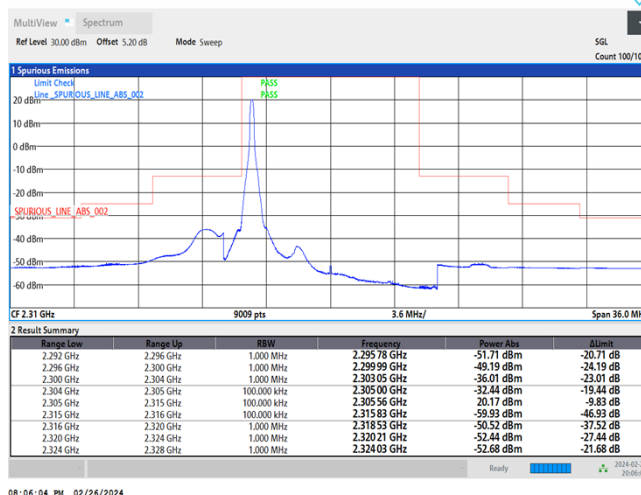
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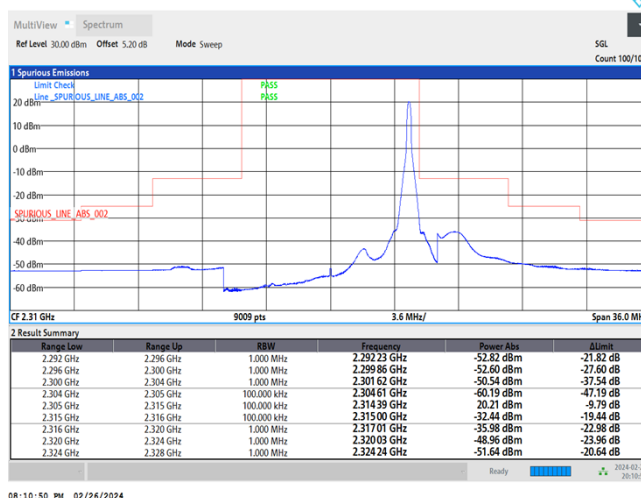
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Report No.: SUCR240100001701
Rev.: 01
Page: 32 of 43

Band30-10MHz-QPSK-27710-1RB#0



Band30-10MHz-QPSK-27710-1RB#49



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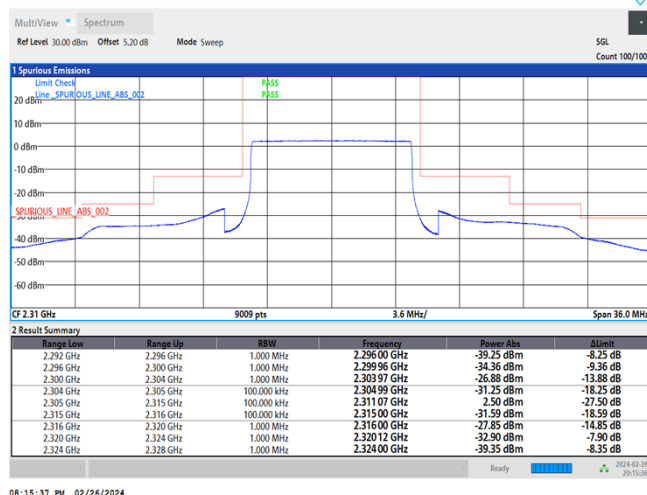
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Report No.: SUCR240100001701
Rev.: 01
Page: 33 of 43

Band30-10MHz-QPSK-27710-50RB#0



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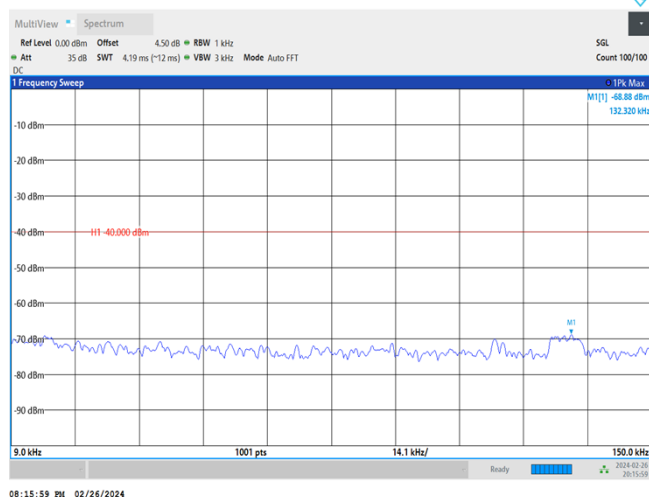
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Report No.: SUCR240100001701
Rev.: 01
Page: 34 of 43

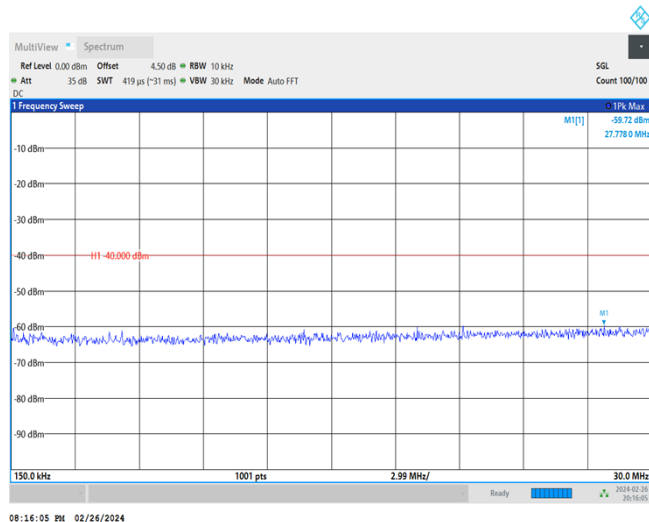
Conducted Spurious Emission

Test Graphs

Band30-10MHz-QPSK-27710-1RB#0-Range1:0.009~0.15MHz



Band30-10MHz-QPSK-27710-1RB#0-Range2:0.15~30MHz



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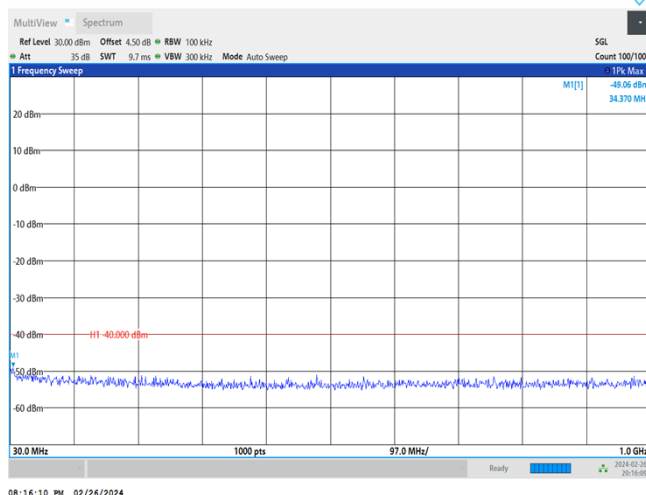
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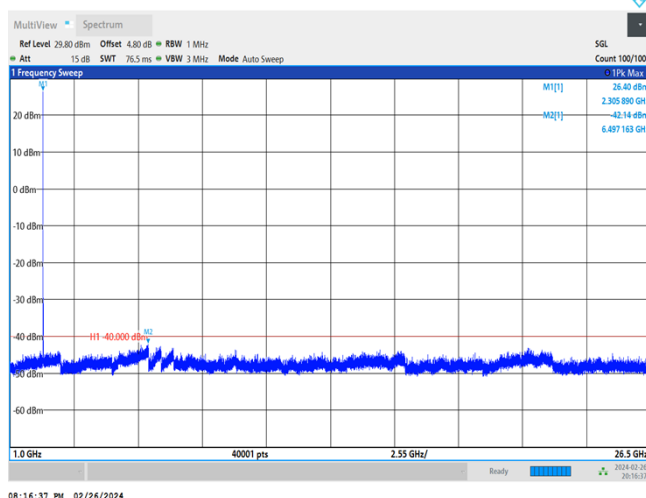
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Report No.: SUCR240100001701
Rev.: 01
Page: 35 of 43

Band30-10MHz-QPSK-27710-1RB#0-Range3:30~1000MHz



Band30-10MHz-QPSK-27710-1RB#0-Range4:1000~26500MHz



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Report No.: SUCR240100001701
 Rev.: 01
 Page: 36 of 43

Field Strength of Spurious Radiation

Test Band = SA Band30_10M_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	4116.5	43.56	-45.76	29.68	-67.78	-40.00	27.78	Horizontal
2	4879	43.35	-45.53	31.21	-66.24	-40.00	26.24	Horizontal
3	6157	43.21	-44.63	32.93	-63.74	-40.00	23.74	Horizontal
4	7892.5	42.64	-42.78	36.95	-58.45	-40.00	18.45	Horizontal
5	9506.5	39.38	-40.19	37.51	-58.56	-40.00	18.56	Horizontal
6	12054	36.74	-37.47	39.12	-56.88	-40.00	16.88	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3846.5	44.45	-46.09	29.15	-67.74	-40.00	27.74	Vertical
2	4884	43.90	-45.53	31.21	-65.68	-40.00	25.68	Vertical
3	6194	44.28	-44.74	33.06	-62.66	-40.00	22.66	Vertical
4	7949	42.36	-42.59	37.03	-58.46	-40.00	18.46	Vertical
5	10047	38.28	-39.18	38.50	-57.66	-40.00	17.66	Vertical
6	11400.5	37.15	-37.37	38.80	-56.68	-40.00	16.68	Vertical



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Report No.: SUCR240100001701

Rev.: 01

Page: 37 of 43

Test Band = SA Band30_5M_ 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	4011	43.44	-46.01	29.43	-68.40	-40.00	28.40	Horizontal
2	5188	43.81	-45.29	31.74	-65.00	-40.00	25.00	Horizontal
3	6785	43.18	-44.12	34.61	-61.58	-40.00	21.58	Horizontal
4	9200.5	39.03	-40.25	36.90	-59.58	-40.00	19.58	Horizontal
5	11435	36.93	-37.35	38.82	-56.86	-40.00	16.86	Horizontal
6	13755	35.37	-36.29	40.46	-55.73	-40.00	15.73	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4255	43.76	-45.64	30.01	-67.13	-40.00	27.13	Vertical
2	5374	44.71	-45.25	32.07	-63.72	-40.00	23.72	Vertical
3	7004	42.71	-43.58	35.01	-61.12	-40.00	21.12	Vertical
4	9870	38.82	-39.38	38.24	-57.58	-40.00	17.58	Vertical
5	12169	36.59	-37.44	39.15	-56.96	-40.00	16.96	Vertical
6	13749	35.67	-36.28	40.45	-55.42	-40.00	15.42	Vertical



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Report No.: SUCR240100001701

Rev.: 01

Page: 38 of 43

Test Band = SA Band30_5M_ 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	3987	44.19	-46.07	29.38	-67.76	-40.00	27.76	Horizontal
2	4929.5	44.18	-45.56	31.29	-65.36	-40.00	25.36	Horizontal
3	6329	43.59	-44.50	33.52	-62.65	-40.00	22.65	Horizontal
4	7583.5	41.86	-42.96	36.52	-59.85	-40.00	19.85	Horizontal
5	10052.5	38.56	-39.18	38.51	-57.37	-40.00	17.37	Horizontal
6	11502.5	36.41	-37.30	38.85	-57.30	-40.00	17.30	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4390.5	44.70	-45.79	30.34	-66.02	-40.00	26.02	Vertical
2	5984	44.19	-44.85	32.40	-63.53	-40.00	23.53	Vertical
3	7720	42.04	-42.96	36.71	-59.47	-40.00	19.47	Vertical
4	9365.5	40.40	-39.96	37.23	-57.59	-40.00	17.59	Vertical
5	12164	36.93	-37.44	39.15	-56.62	-40.00	16.62	Vertical
6	13844.5	34.58	-35.98	40.58	-56.07	-40.00	16.07	Vertical



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Report No.: SUCR240100001701

Rev.: 01

Page: 39 of 43

Test Band = SA Band30_5M_ 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	3701.5	43.90	-45.51	28.92	-67.94	-40.00	27.94	Horizontal
2	5242	43.65	-45.20	31.84	-64.97	-40.00	24.97	Horizontal
3	6008.5	43.59	-44.80	32.43	-64.04	-40.00	24.04	Horizontal
4	7889	42.18	-42.76	36.94	-58.90	-40.00	18.90	Horizontal
5	9482	40.22	-40.16	37.46	-57.73	-40.00	17.73	Horizontal
6	11944	36.42	-37.33	39.07	-57.10	-40.00	17.10	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4167.5	43.40	-45.77	29.80	-67.82	-40.00	27.82	Vertical
2	5259	44.55	-45.17	31.87	-64.01	-40.00	24.01	Vertical
3	6588	42.80	-44.38	34.26	-62.58	-40.00	22.58	Vertical
4	8751.5	42.10	-41.46	36.65	-57.97	-40.00	17.97	Vertical
5	11274.5	36.74	-37.41	38.74	-57.20	-40.00	17.20	Vertical
6	13391	35.44	-36.36	39.95	-56.23	-40.00	16.23	Vertical



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Report No.: SUCR240100001701
 Rev.: 01
 Page: 40 of 43

Test Band = LTE 30A_66A_ 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	3958.5	45.07	-46.14	29.33	-67.00	-40.00	27.00	Horizontal
2	4653	44.18	-45.63	30.84	-65.87	-40.00	25.87	Horizontal
3	5803	44.21	-44.76	32.36	-63.45	-40.00	23.45	Horizontal
4	7192.5	43.13	-43.48	35.54	-60.07	-40.00	20.07	Horizontal
5	8890	41.30	-41.24	36.57	-58.64	-40.00	18.64	Horizontal
6	13746.5	35.93	-36.27	40.45	-55.16	-40.00	15.16	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4616	47.65	-45.66	30.79	-62.48	-40.00	22.48	Vertical
2	5843.5	43.99	-44.85	32.37	-63.75	-40.00	23.75	Vertical
3	8472.5	41.73	-41.57	36.82	-58.29	-40.00	18.29	Vertical
4	10510	38.23	-38.77	38.55	-57.25	-40.00	17.25	Vertical
5	13741	35.45	-36.26	40.44	-55.63	-40.00	15.63	Vertical
6	16985.5	34.66	-33.36	42.06	-51.90	-40.00	11.90	Vertical



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 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

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Report No.: SUCR240100001701

Rev.: 01

Page: 41 of 43

Test Band = LTE 30A_66A_ 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	3816.5	44.79	-45.98	29.11	-67.34	-40.00	27.34	Horizontal
2	4722	44.26	-45.59	30.96	-65.63	-40.00	25.63	Horizontal
3	6196	43.92	-44.75	33.07	-63.02	-40.00	23.02	Horizontal
4	7891	42.81	-42.77	36.95	-58.28	-40.00	18.28	Horizontal
5	10009.5	38.57	-39.23	38.50	-57.42	-40.00	17.42	Horizontal
6	12667	36.16	-36.99	39.30	-56.79	-40.00	16.79	Horizontal
7	14985.5	34.07	-34.64	41.59	-54.24	-40.00	14.24	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3735.5	44.56	-45.65	28.98	-67.37	-40.00	27.37	Vertical
2	4615.5	46.74	-45.66	30.78	-63.39	-40.00	23.39	Vertical
3	6107	44.23	-44.47	32.76	-62.74	-40.00	22.74	Vertical
4	7950	42.39	-42.59	37.03	-58.43	-40.00	18.43	Vertical
5	10288.5	38.27	-39.14	38.53	-57.60	-40.00	17.60	Vertical
6	13374	35.80	-36.46	39.92	-55.99	-40.00	15.99	Vertical



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中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编：215000

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t (86-512) 62992980 sgs.china@sgs.com

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Report No.: SUCR240100001701

Rev.: 01

Page: 42 of 43

Test Band = LTE 30A_66A_ 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	4367	44.53	-45.73	30.28	-66.18	-40.00	26.18	Horizontal
2	5873.5	44.59	-44.91	32.37	-63.21	-40.00	23.21	Horizontal
3	7945.5	42.68	-42.61	37.02	-58.16	-40.00	18.16	Horizontal
4	9391.5	40.73	-39.86	37.28	-57.11	-40.00	17.11	Horizontal
5	12105	36.97	-37.35	39.13	-56.51	-40.00	16.51	Horizontal
6	14953	34.46	-34.66	41.56	-53.90	-40.00	13.90	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4615.5	47.00	-45.66	30.78	-63.13	-40.00	23.13	Vertical
2	6147	44.11	-44.60	32.90	-62.85	-40.00	22.85	Vertical
3	7803.5	41.89	-42.33	36.82	-58.87	-40.00	18.87	Vertical
4	9874.5	38.78	-39.37	38.25	-57.60	-40.00	17.60	Vertical
5	12073	36.67	-37.42	39.12	-56.89	-40.00	16.89	Vertical
6	13782.5	36.04	-36.36	40.50	-55.08	-40.00	15.08	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 = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.



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Report No.: SUCR240100001701

Rev.: 01

Page: 43 of 43

Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band30	10MHz	QPSK	27710	50RB#0	VL	NT	-0.50	-0.000216	PASS
Band30	10MHz	QPSK	27710	50RB#0	VN	NT	-2.00	-0.000866	PASS
Band30	10MHz	QPSK	27710	50RB#0	VH	NT	-0.70	-0.000303	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band30	10MHz	QPSK	27710	50RB#0	NV	-30	0.70	0.000303	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	-20	-2.60	-0.001126	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	0	-0.60	-0.000260	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	10	-2.50	-0.001082	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	20	-2.00	-0.000866	PASS

---End of Attachment---



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t (86-512) 62992980 sgs.china@sgs.com

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