Appendix B.7

LTE Band 14

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Effective (Isotropic) Radiated Power Output Data

Test ResultAnt7

Band	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band14	QPSK	23305	1RB#0	23.48	10.38	34.77	PASS
Band14	QPSK	23305	1RB#12	23.33	10.23	34.77	PASS
Band14	QPSK	23305	1RB#24	23.14	10.04	34.77	PASS
Band14	QPSK	23305	25RB#0	22.28	9.18	34.77	PASS
Band14	QPSK	23330	1RB#0	23.32	10.22	34.77	PASS
Band14	QPSK	23330	1RB#12	23.22	10.12	34.77	PASS
Band14	QPSK	23330	1RB#24	23.36	10.26	34.77	PASS
Band14	QPSK	23330	25RB#0	22.28	9.18	34.77	PASS
Band14	QPSK	23355	1RB#0	23.42	10.32	34.77	PASS
Band14	QPSK	23355	1RB#12	23.34	10.24	34.77	PASS
Band14	QPSK	23355	1RB#24	23.39	10.29	34.77	PASS
Band14	QPSK	23355	25RB#0	22.08	8.98	34.77	PASS
Band14	16QAM	23305	1RB#0	22.45	9.35	34.77	PASS
Band14	16QAM	23305	1RB#12	22.53	9.43	34.77	PASS
Band14	16QAM	23305	1RB#24	22.23	9.13	34.77	PASS
Band14	16QAM	23305	25RB#0	21.19	8.09	34.77	PASS
Band14	16QAM	23330	1RB#0	22.34	9.24	34.77	PASS
Band14	16QAM	23330	1RB#12	22.27	9.17	34.77	PASS
Band14	16QAM	23330	1RB#24	22.35	9.25	34.77	PASS
Band14	16QAM	23330	25RB#0	21.21	8.11	34.77	PASS
Band14	16QAM	23355	1RB#0	22.45	9.35	34.77	PASS
Band14	16QAM	23355	1RB#12	22.37	9.27	34.77	PASS
Band14	16QAM	23355	1RB#24	22.35	9.25	34.77	PASS
Band14	16QAM	23355	25RB#0	21.14	8.04	34.77	PASS
Band14	64QAM	23305	1RB#0	21.51	8.41	34.77	PASS
Band14	64QAM	23305	1RB#12	21.49	8.39	34.77	PASS
Band14	64QAM	23305	1RB#24	21.39	8.29	34.77	PASS

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Band14	64QAM	23305	25RB#0	20.17	7.07	34.77	PASS
Band14	64QAM	23330	1RB#0	21.54	8.44	34.77	PASS
Band14	64QAM	23330	1RB#12	21.46	8.36	34.77	PASS
Band14	64QAM	23330	1RB#24	21.51	8.41	34.77	PASS
Band14	64QAM	23330	25RB#0	20.26	7.16	34.77	PASS
Band14	64QAM	23355	1RB#0	21.49	8.39	34.77	PASS
Band14	64QAM	23355	1RB#12	21.39	8.29	34.77	PASS
Band14	64QAM	23355	1RB#24	21.31	8.21	34.77	PASS
Band14	64QAM	23355	25RB#0	20.2	7.1	34.77	PASS
Band14	256QAM	23305	1RB#0	18.34	5.24	34.77	PASS
Band14	256QAM	23305	1RB#12	18.38	5.28	34.77	PASS
Band14	256QAM	23305	1RB#24	18.18	5.08	34.77	PASS
Band14	256QAM	23305	25RB#0	18.09	4.99	34.77	PASS
Band14	256QAM	23330	1RB#0	18.32	5.22	34.77	PASS
Band14	256QAM	23330	1RB#12	18.29	5.19	34.77	PASS
Band14	256QAM	23330	1RB#24	18.19	5.09	34.77	PASS
Band14	256QAM	23330	25RB#0	18	4.9	34.77	PASS
Band14	256QAM	23355	1RB#0	18.33	5.23	34.77	PASS
Band14	256QAM	23355	1RB#12	18.1	5	34.77	PASS
Band14	256QAM	23355	1RB#24	18.39	5.29	34.77	PASS
Band14	256QAM	23355	25RB#0	18.09	4.99	34.77	PASS
Band14	QPSK	23330	1RB#0	23.31	10.21	34.77	PASS
Band14	QPSK	23330	1RB#24	23.39	10.29	34.77	PASS
Band14	QPSK	23330	1RB#49	23.1	10	34.77	PASS
Band14	QPSK	23330	50RB#0	22.12	9.02	34.77	PASS
Band14	16QAM	23330	1RB#0	22.49	9.39	34.77	PASS
Band14	16QAM	23330	1RB#24	22.5	9.4	34.77	PASS
Band14	16QAM	23330	1RB#49	22.43	9.33	34.77	PASS
Band14	16QAM	23330	50RB#0	21.24	8.14	34.77	PASS
Band14	64QAM	23330	1RB#0	21.44	8.34	34.77	PASS
Band14	64QAM	23330	1RB#24	21.59	8.49	34.77	PASS
Band14	64QAM	23330	1RB#49	21.38	8.28	34.77	PASS

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Band14	64QAM	23330	50RB#0	20.1	7	34.77	PASS
Band14	256QAM	23330	1RB#0	18.39	5.29	34.77	PASS
Band14	256QAM	23330	1RB#24	18.26	5.16	34.77	PASS
Band14	256QAM	23330	1RB#49	18.33	5.23	34.77	PASS
Band14	256QAM	23330	50RB#0	18.08	4.98	34.77	PASS

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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	5.48	13	PASS
Band14	10MHz	16QAM	23330	50RB#0	6.16	13	PASS
Band14	10MHz	64QAM	23330	50RB#0	6.46	13	PASS
Band14	10MHz	256QAM	23330	50RB#0	6.26	13	PASS

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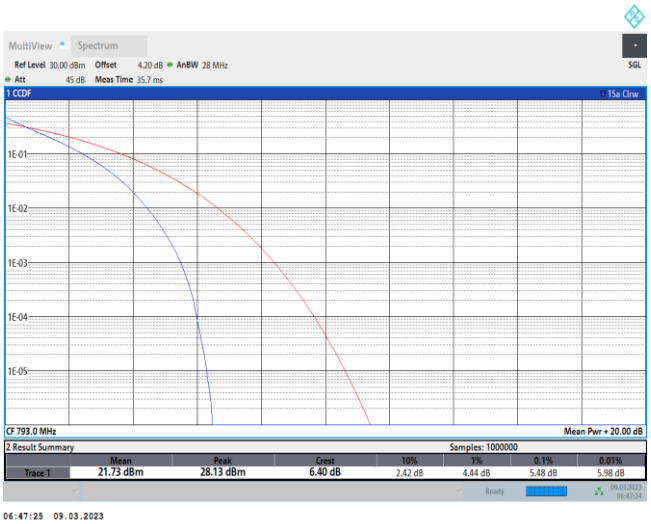
Test Graphs

Band14-10MHz-QPSK-23330-50RB#0



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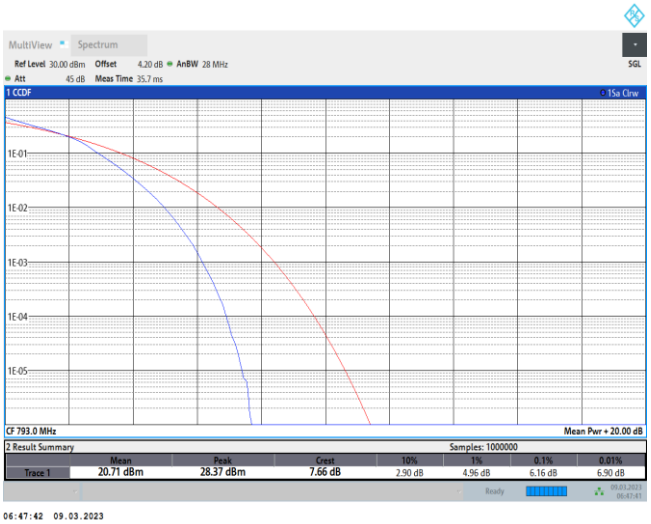

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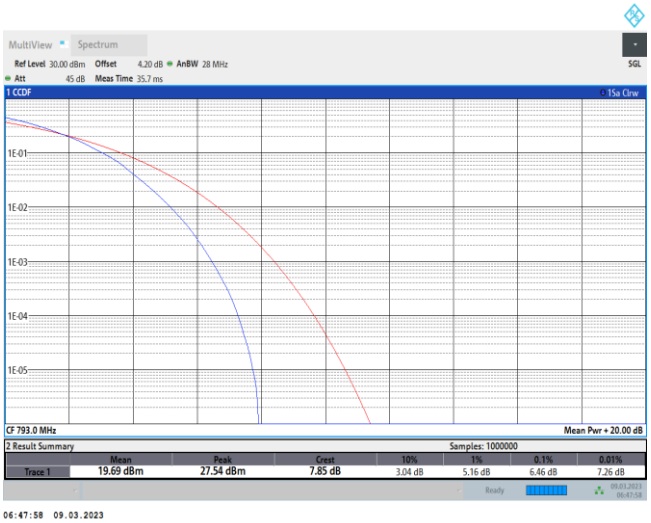
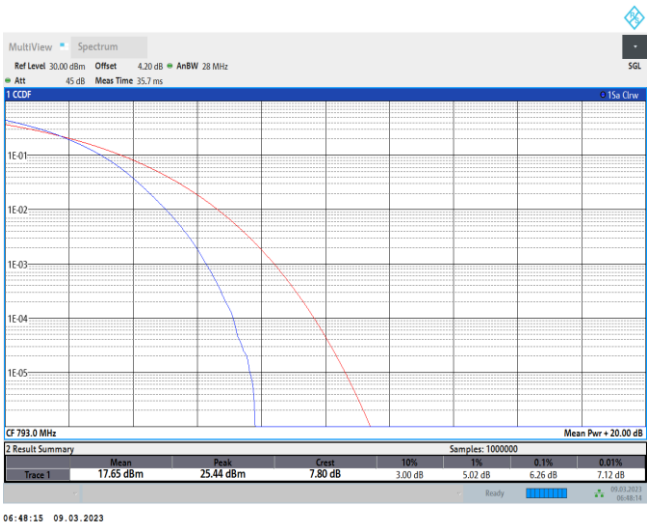
Band14-10MHz-64QAM-23330-50RB#0



Band14-10MHz-256QAM-23330-50RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	4.464	4.88	PASS
Band14	5MHz	QPSK	23330	25RB#0	4.462	4.86	PASS
Band14	5MHz	QPSK	23355	25RB#0	4.459	4.84	PASS
Band14	5MHz	16QAM	23305	25RB#0	4.464	4.85	PASS
Band14	5MHz	16QAM	23330	25RB#0	4.463	4.85	PASS
Band14	5MHz	16QAM	23355	25RB#0	4.462	4.84	PASS
Band14	5MHz	64QAM	23305	25RB#0	4.47	4.84	PASS
Band14	5MHz	64QAM	23330	25RB#0	4.469	4.85	PASS
Band14	5MHz	64QAM	23355	25RB#0	4.467	4.85	PASS
Band14	5MHz	256QAM	23305	25RB#0	4.463	4.83	PASS
Band14	5MHz	256QAM	23330	25RB#0	4.465	4.83	PASS
Band14	5MHz	256QAM	23355	25RB#0	4.459	4.84	PASS
Band14	10MHz	QPSK	23330	50RB#0	8.934	9.67	PASS
Band14	10MHz	16QAM	23330	50RB#0	8.923	9.73	PASS
Band14	10MHz	64QAM	23330	50RB#0	8.934	9.67	PASS
Band14	10MHz	256QAM	23330	50RB#0	8.923	9.67	PASS

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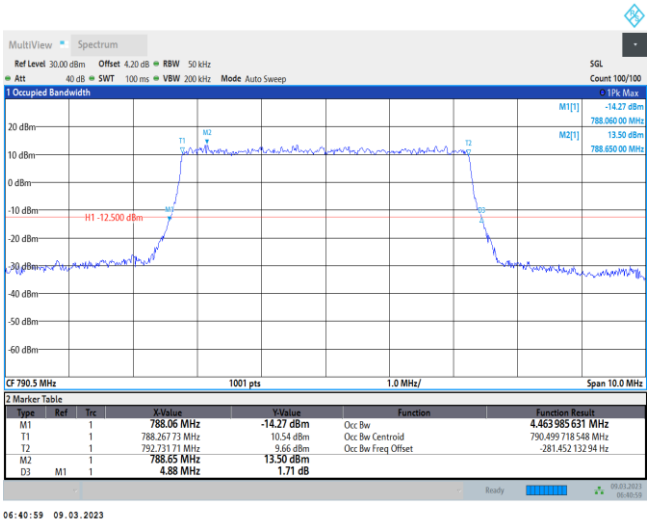
Test Graphs

Band14-5MHz-QPSK-23305-25RB#0



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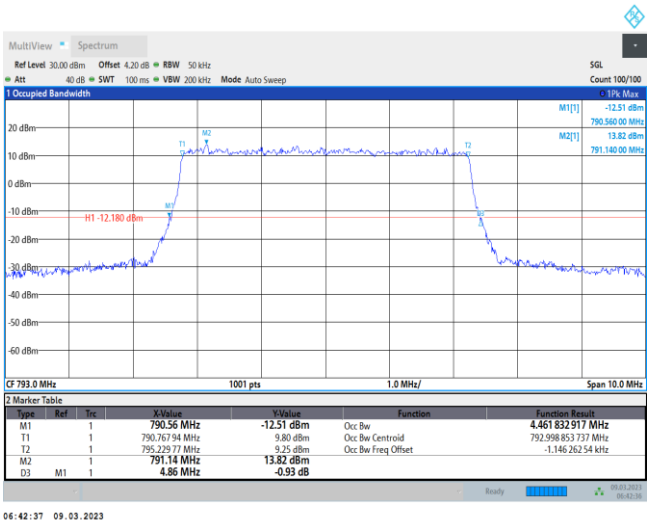

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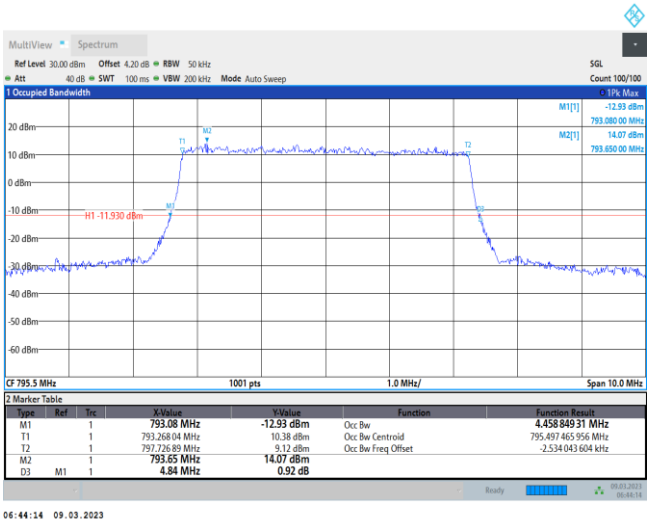
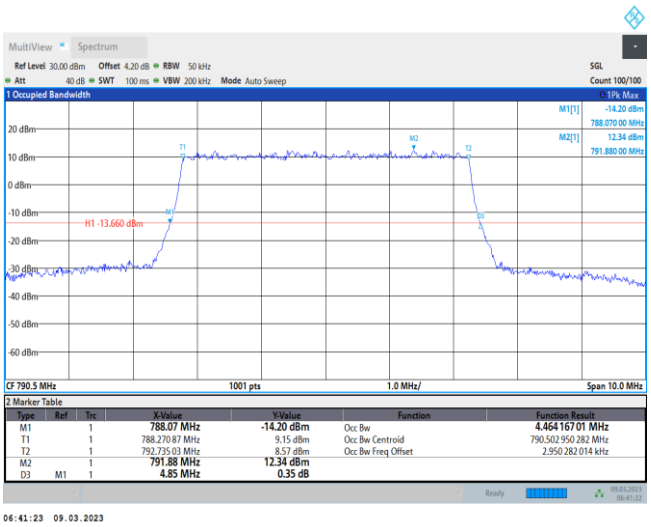
Band14-5MHz-QPSK-23355-25RB#0



Band14-5MHz-16QAM-23305-25RB#0



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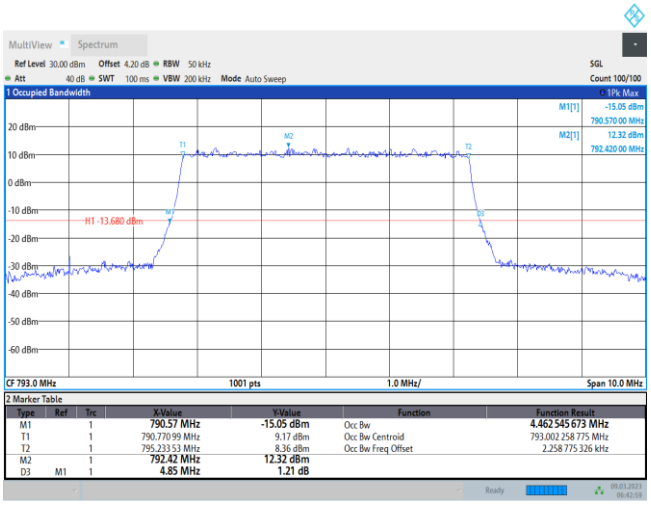
Band14-5MHz-16QAM-23330-25RB#0



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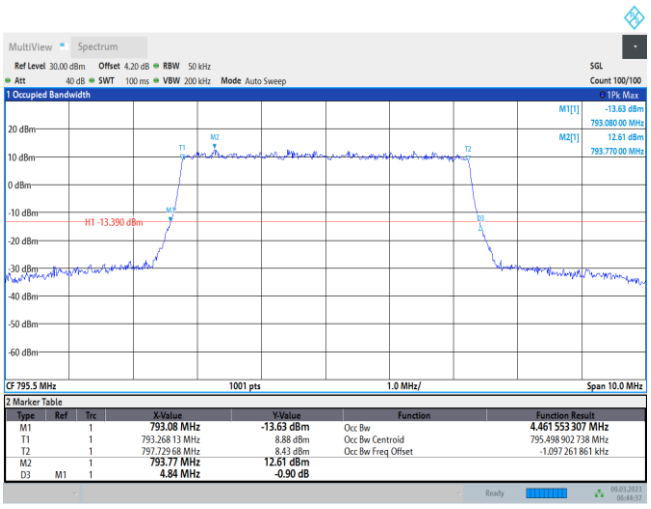

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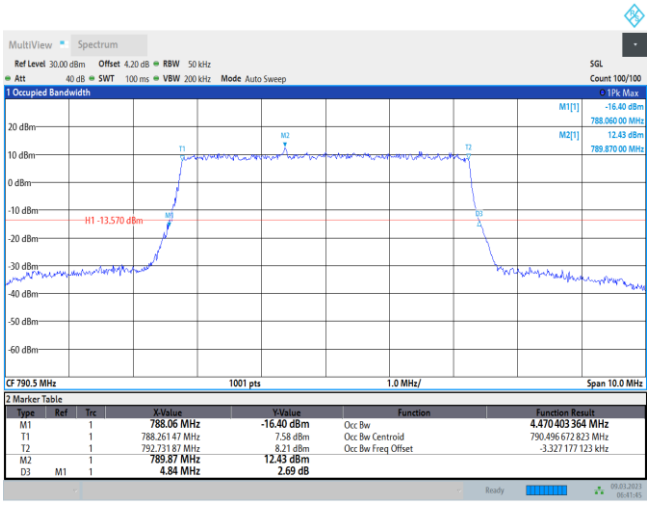
Band14-5MHz-64QAM-23305-25RB#0



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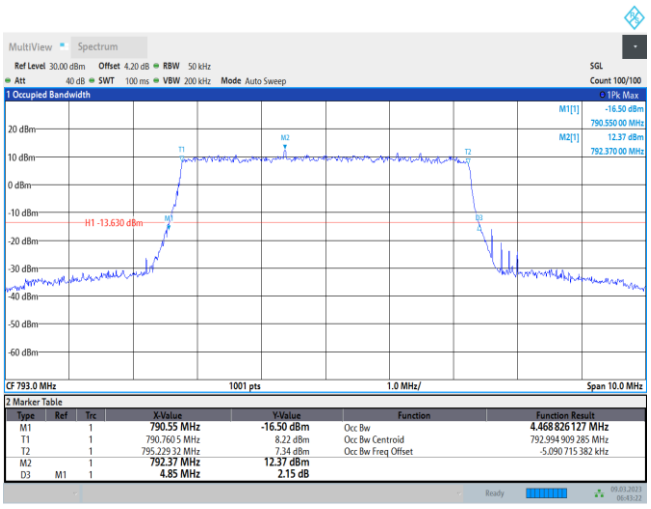

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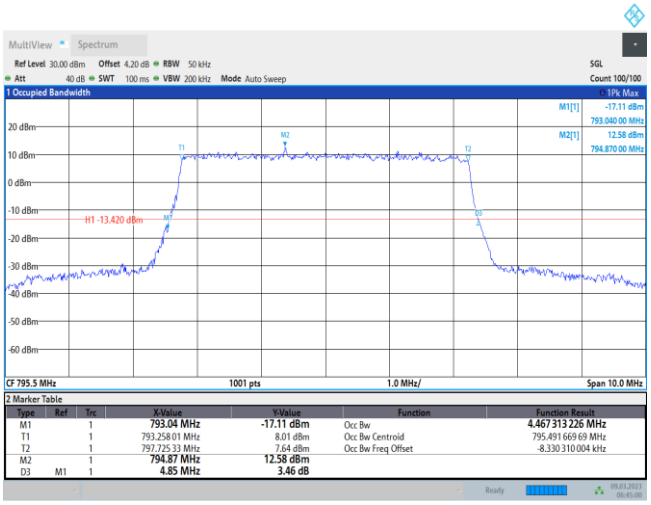
Band14-5MHz-64QAM-23355-25RB#0



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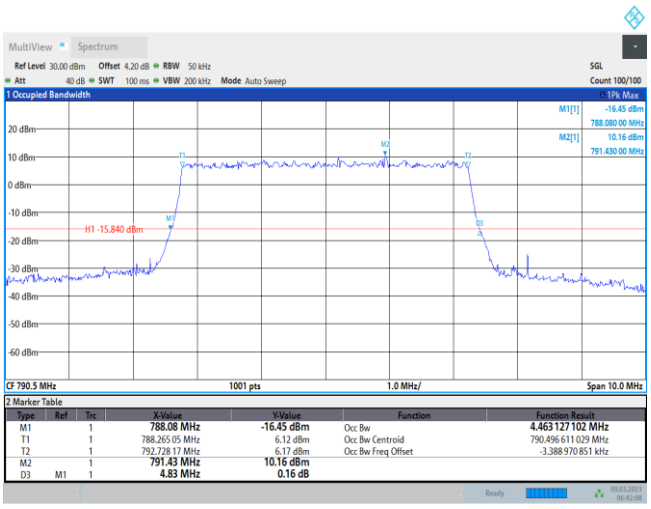

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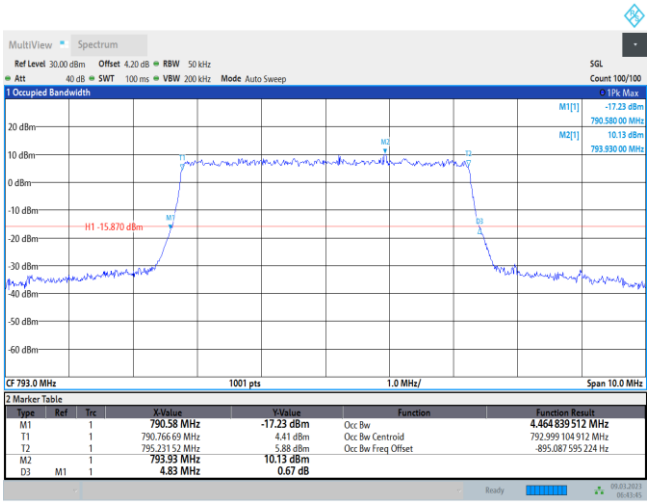
Band14-5MHz-256QAM-23330-25RB#0



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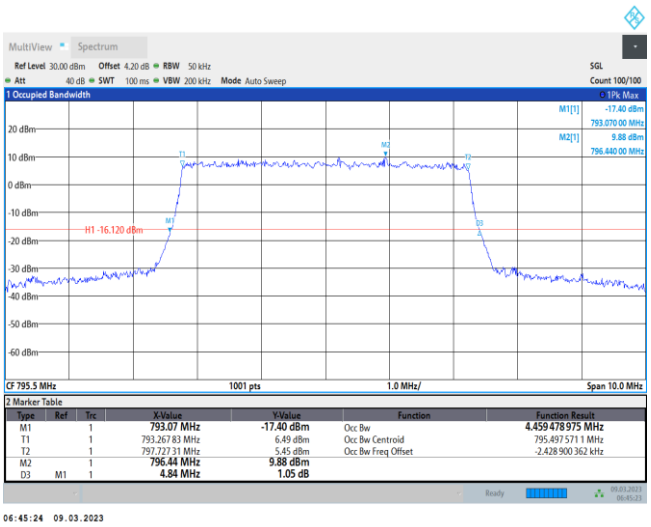

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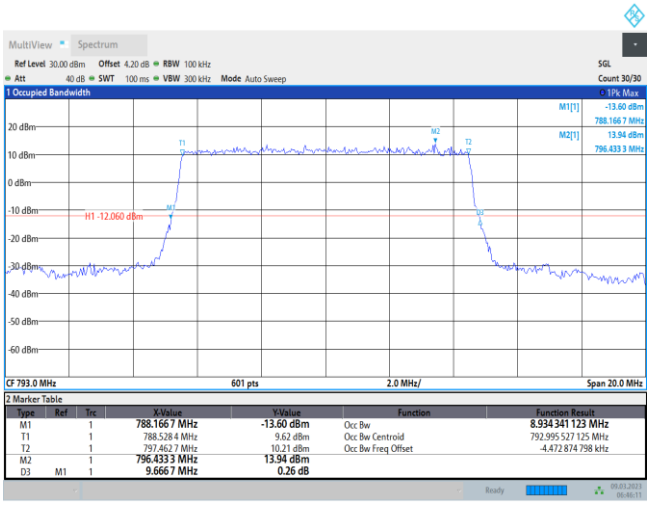
Band14-10MHz-QPSK-23330-50RB#0



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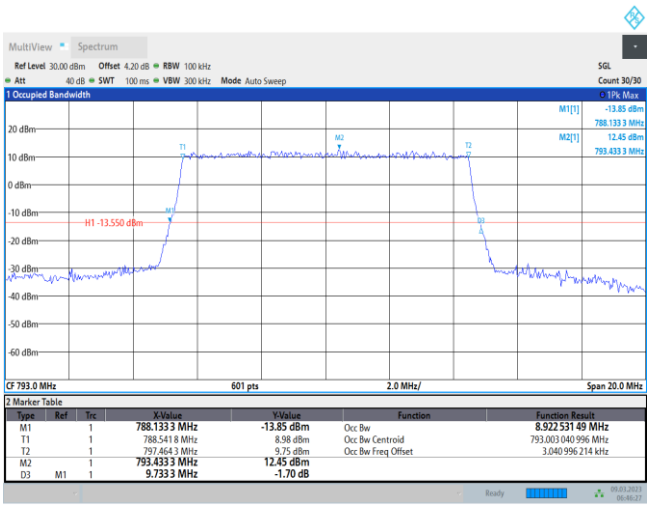

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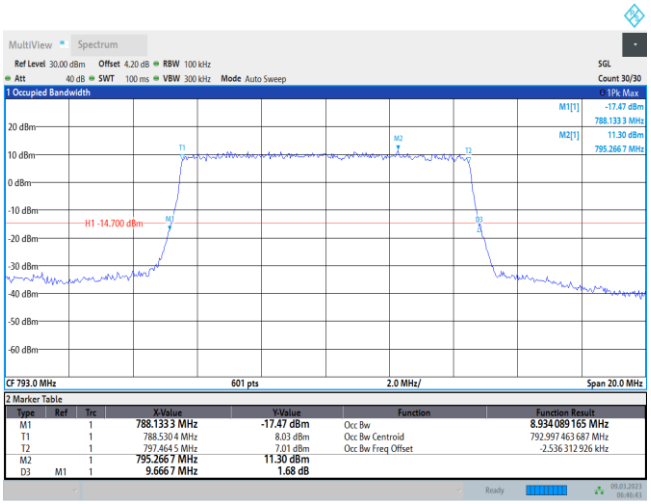
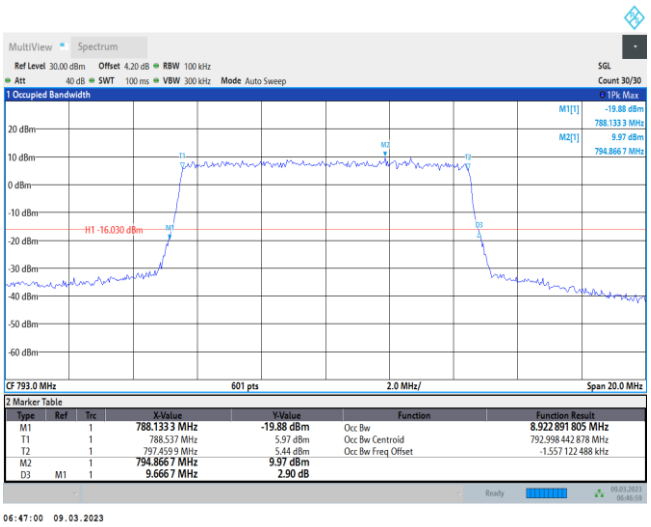
Band14-10MHz-64QAM-23330-50RB#0



Band14-10MHz-256QAM-23330-50RB#0



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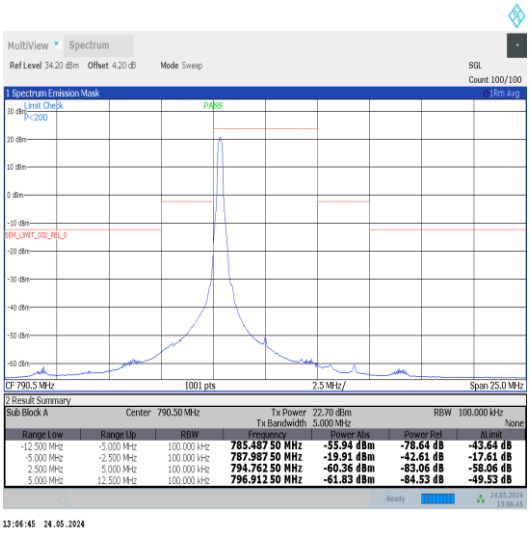
Emission Mask

Test Graphs



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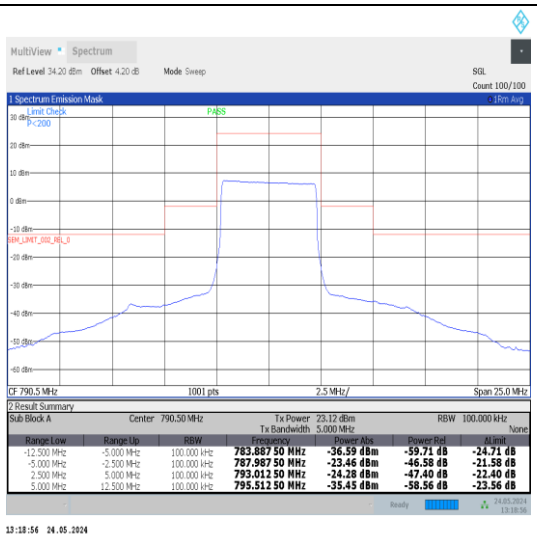

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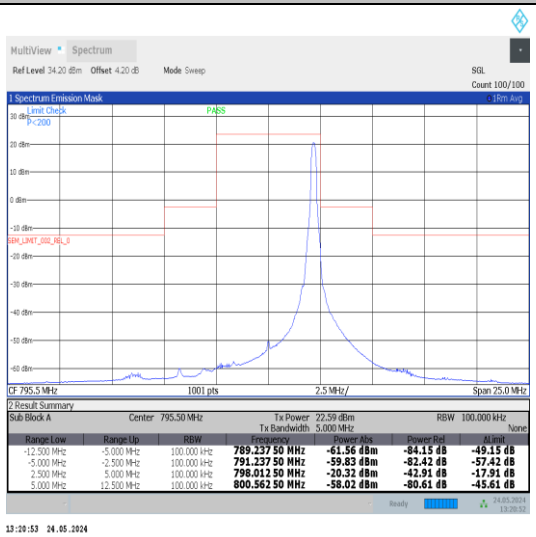

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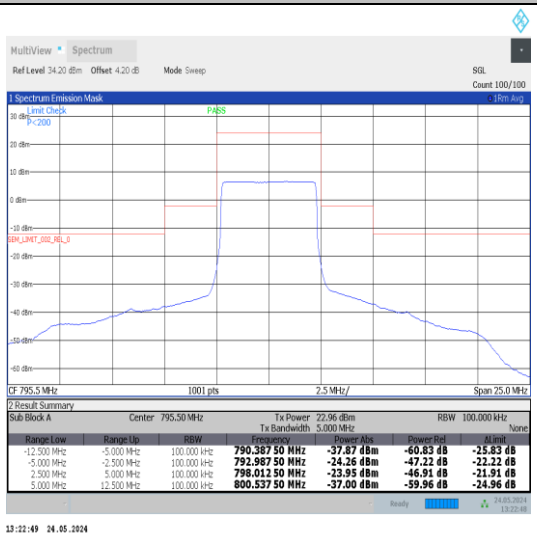

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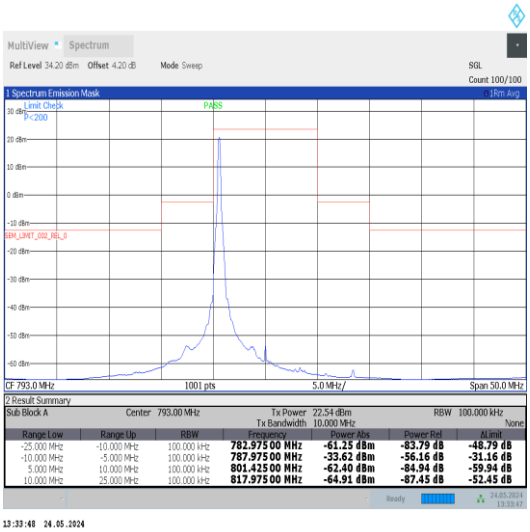

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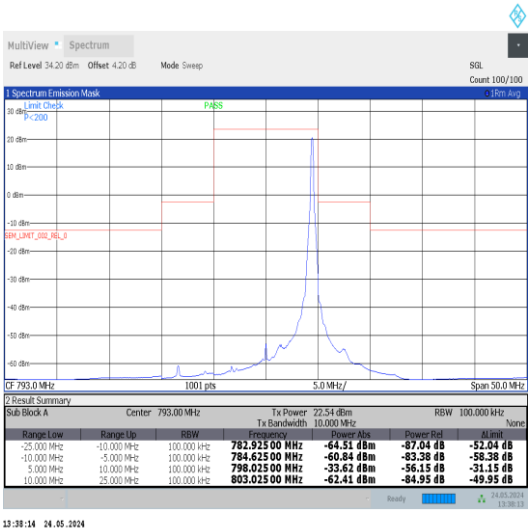

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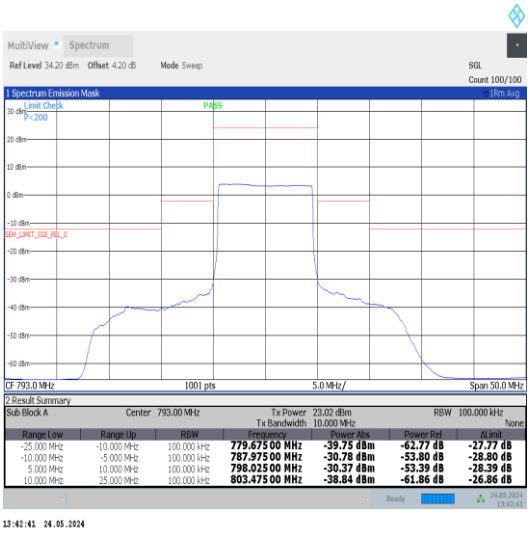

NTNV-Band14-10MHz-QPSK-23330-50RB#0--25.00--10.00-PASS

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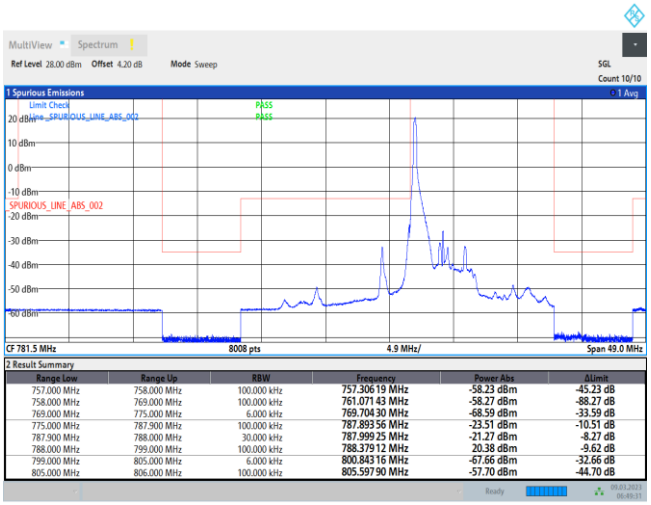
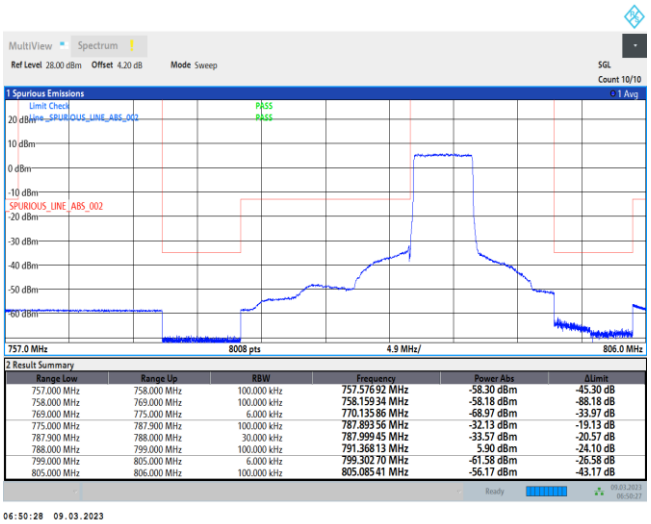
Band Edge

Test Graphs

Band14-5MHz-QPSK-23305-1RB#0



Band14-5MHz-QPSK-23305-25RB#0



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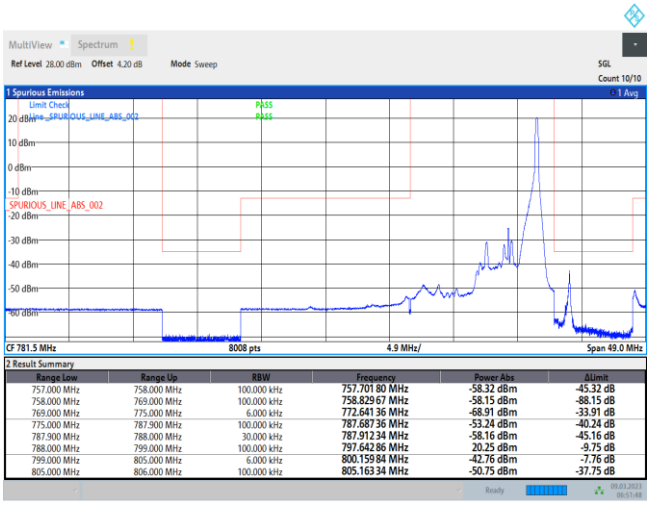
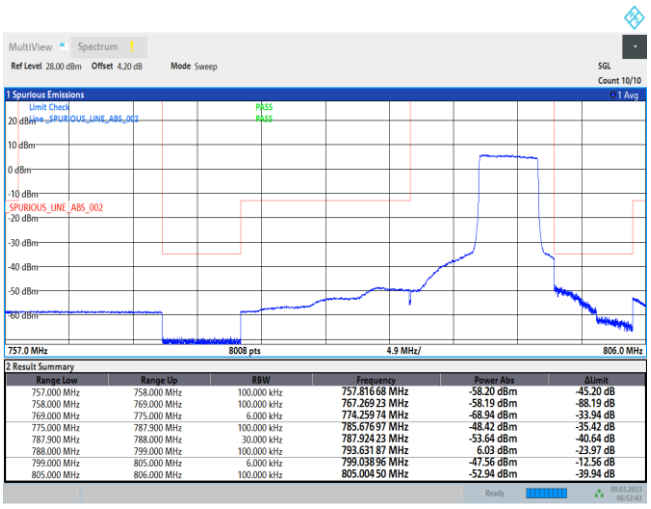
Band14-5MHz-QPSK-23355-1RB#24



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
757.000 MHz	758.000 MHz	100.000 kHz	757.701 80 MHz	-58.32 dBm	-45.32 dB
758.000 MHz	769.000 MHz	100.000 kHz	758.829 67 MHz	-58.15 dBm	-88.15 dB
769.000 MHz	775.000 MHz	6.000 kHz	772.641 36 MHz	-68.91 dBm	-33.91 dB
775.000 MHz	787.900 MHz	100.000 kHz	787.687 36 MHz	-53.24 dBm	-40.24 dB
787.900 MHz	788.000 MHz	30.000 kHz	787.912 34 MHz	-58.16 dBm	-45.16 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.642 86 MHz	20.25 dBm	-9.75 dB
799.000 MHz	805.000 MHz	6.000 kHz	800.159 84 MHz	-42.76 dBm	-7.76 dB
805.000 MHz	806.000 MHz	100.000 kHz	805.163 34 MHz	-50.75 dBm	-37.75 dB

Band14-5MHz-QPSK-23355-25RB#0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
757.000 MHz	758.000 MHz	100.000 kHz	757.816 68 MHz	-58.20 dBm	-45.20 dB
758.000 MHz	769.000 MHz	100.000 kHz	767.269 23 MHz	-58.19 dBm	-88.19 dB
769.000 MHz	775.000 MHz	6.000 kHz	774.259 74 MHz	-68.94 dBm	-33.94 dB
775.000 MHz	787.900 MHz	100.000 kHz	785.676 97 MHz	-48.42 dBm	-35.42 dB
787.900 MHz	788.000 MHz	30.000 kHz	787.924 23 MHz	-53.64 dBm	-40.64 dB
788.000 MHz	799.000 MHz	100.000 kHz	793.631 87 MHz	6.03 dBm	-23.97 dB
799.000 MHz	805.000 MHz	6.000 kHz	799.038 96 MHz	-47.56 dBm	-12.56 dB
805.000 MHz	806.000 MHz	100.000 kHz	805.004 50 MHz	-52.94 dBm	-39.94 dB

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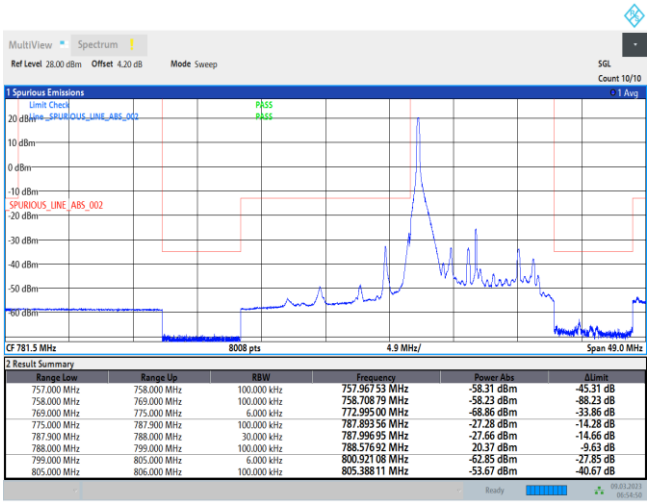
Band14-10MHz-QPSK-23330-1RB#0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
757.000 MHz	758.000 MHz	100.000 kHz	757.967 53 MHz	-58.31 dBm	-45.31 dB
758.000 MHz	769.000 MHz	100.000 kHz	758.708 79 MHz	-58.23 dBm	-88.23 dB
769.000 MHz	775.000 MHz	6.000 kHz	772.995 00 MHz	-68.86 dBm	-33.86 dB
775.000 MHz	787.900 MHz	100.000 kHz	787.893 56 MHz	-27.28 dBm	-14.28 dB
787.900 MHz	788.000 MHz	30.000 kHz	787.996 95 MHz	-27.66 dBm	-14.66 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.576 92 MHz	20.37 dBm	-9.63 dB
799.000 MHz	805.000 MHz	6.000 kHz	800.921 08 MHz	-62.85 dBm	-27.85 dB
805.000 MHz	806.000 MHz	100.000 kHz	805.388 11 MHz	-53.67 dBm	-40.67 dB

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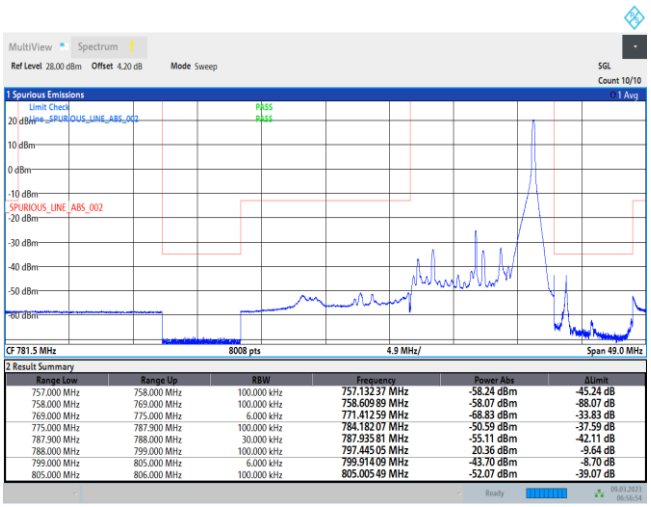
Band14-10MHz-QPSK-23330-1RB#49



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
757.000 MHz	758.000 MHz	100.000 kHz	757.132 37 MHz	-58.24 dBm	-45.24 dB
758.000 MHz	769.000 MHz	100.000 kHz	758.609 89 MHz	-58.07 dBm	-88.07 dB
769.000 MHz	775.000 MHz	6.000 kHz	771.412 59 MHz	-68.83 dBm	-33.83 dB
775.000 MHz	787.900 MHz	100.000 kHz	784.182 07 MHz	-50.59 dBm	-37.59 dB
787.900 MHz	788.000 MHz	30.000 kHz	787.935 81 MHz	-55.11 dBm	-42.11 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.445 05 MHz	20.36 dBm	-9.64 dB
799.000 MHz	805.000 MHz	6.000 kHz	799.914 09 MHz	-43.70 dBm	-8.70 dB
805.000 MHz	806.000 MHz	100.000 kHz	805.005 49 MHz	-52.07 dBm	-39.07 dB

06:56:55 09.03.2023

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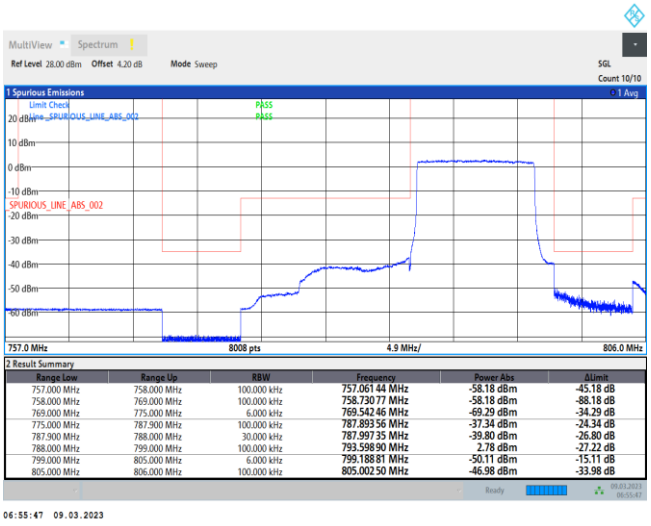
Band14-10MHz-QPSK-23330-50RB#0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
757.000 MHz	758.000 MHz	100.000 kHz	757.061 44 MHz	-58.18 dBm	-45.18 dB
758.000 MHz	769.000 MHz	100.000 kHz	758.730 77 MHz	-58.18 dBm	-88.18 dB
769.000 MHz	775.000 MHz	6.000 kHz	769.542 46 MHz	-69.29 dBm	-34.29 dB
775.000 MHz	787.900 MHz	100.000 kHz	787.893 56 MHz	-37.34 dBm	-24.34 dB
787.900 MHz	788.000 MHz	30.000 kHz	787.997 35 MHz	-39.80 dBm	-26.80 dB
788.000 MHz	799.000 MHz	100.000 kHz	793.598 90 MHz	2.78 dBm	-27.22 dB
799.000 MHz	805.000 MHz	6.000 kHz	799.188 81 MHz	-50.11 dBm	-15.11 dB
805.000 MHz	806.000 MHz	100.000 kHz	805.002 50 MHz	-46.98 dBm	-33.98 dB

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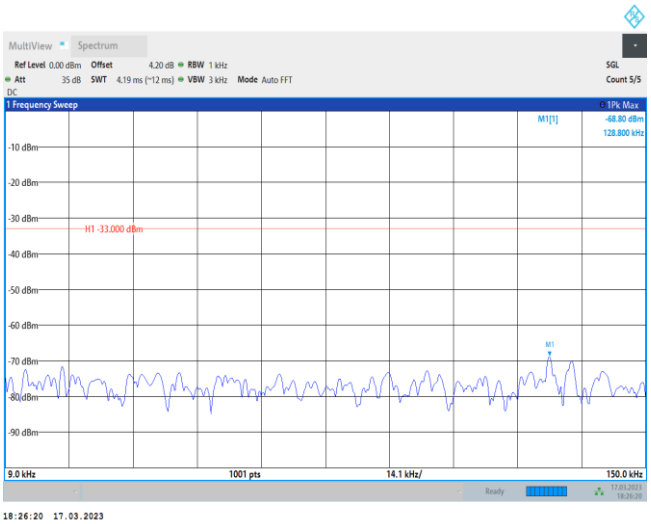
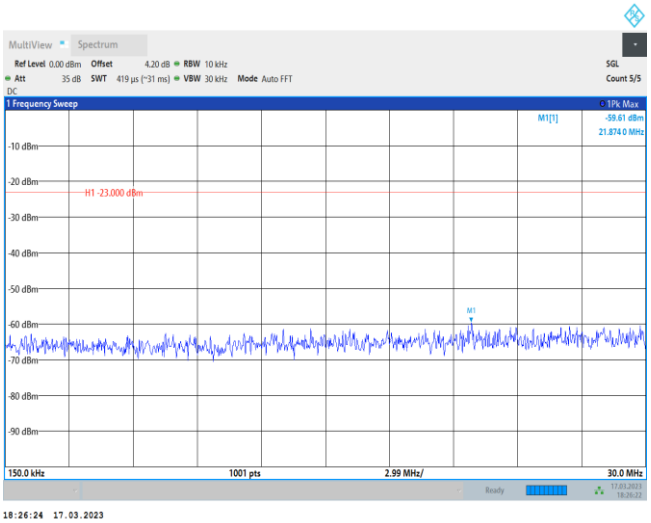
Conducted Spurious Emission

Test Graphs

Band14-10MHz-QPSK-23330-1RB#0-Range1:0.009~0.15MHz



Band14-10MHz-QPSK-23330-1RB#0-Range2:0.15~30MHz



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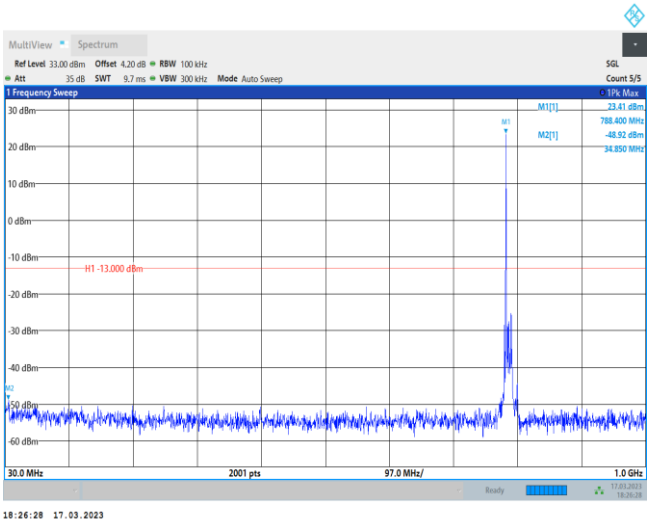
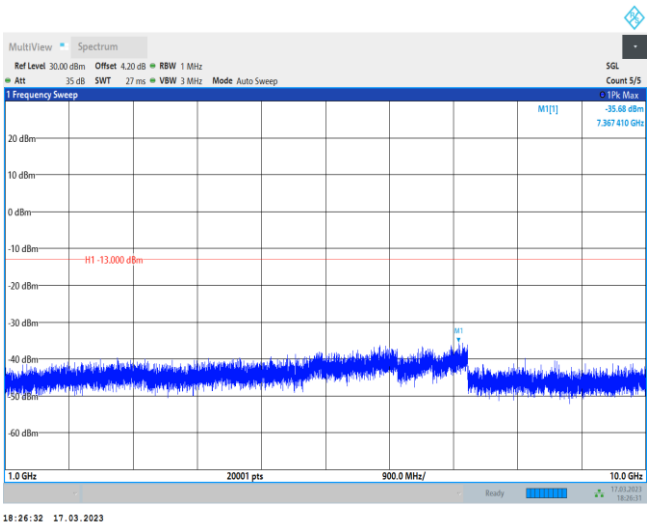
Band14-10MHz-QPSK-23330-1RB#0-Range3:30~1000MHz



Band14-10MHz-QPSK-23330-1RB#0-Range4:1000~10000MHz



Note: The limit of 1559-1610MHZ is -40dBm, and the worst point meets the limit requirement

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Field Strength of Spurious Radiation

Test Band = LTE Band 14 _10M_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1577.1429	47.65	-48.29	25.38	-70.52	-40.00	30.52	186	323	Horizontal
2	2365.7700	43.56	-47.47	27.42	-71.74	-13.00	58.74	213	336	Horizontal
3	3154.3600	42.51	-46.50	29.61	-69.64	-13.00	56.64	294	170	Horizontal
4	3942.9500	42.67	-46.22	30.67	-68.14	-13.00	55.14	186	84	Horizontal
5	4731.5400	41.23	-45.75	32.11	-67.67	-13.00	54.67	255	124	Horizontal
6	5520.1300	41.00	-45.17	32.93	-66.49	-13.00	53.49	134	205	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1577.1429	50.86	-48.29	25.38	-67.31	-40.00	27.31	149	255	Vertical
2	2365.7700	46.30	-47.47	27.42	-69.00	-13.00	56.00	253	267	Vertical
3	3125.1429	49.38	-46.63	29.56	-62.96	-13.00	49.96	193	132	Vertical
4	3942.9500	42.50	-46.22	30.67	-68.31	-13.00	55.31	215	360	Vertical
5	4731.5400	41.19	-45.75	32.11	-67.71	-13.00	54.71	176	41	Vertical
6	5520.1300	40.39	-45.17	32.93	-67.10	-13.00	54.10	233	183	Vertical

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Test Band = LTE Band 14 _5M_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1576.5714	48.28	-48.29	25.38	-69.89	-40.00	29.89	215	314	Horizontal
2	2365.0200	44.52	-47.47	27.42	-70.78	-13.00	57.78	186	357	Horizontal
3	3153.3600	42.65	-46.50	29.60	-69.51	-13.00	56.51	295	203	Horizontal
4	3941.7000	42.62	-46.22	30.66	-68.19	-13.00	55.19	246	40	Horizontal
5	4730.0400	42.13	-45.75	32.11	-66.77	-13.00	53.77	178	163	Horizontal
6	5518.3800	40.34	-45.16	32.93	-67.15	-13.00	54.15	203	19	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1576.5714	51.07	-48.29	25.38	-67.10	-40.00	27.10	219	243	Vertical
2	2365.0200	47.63	-47.47	27.42	-67.67	-13.00	54.67	163	281	Vertical
3	3153.3600	43.96	-46.50	29.60	-68.20	-13.00	55.20	214	228	Vertical
4	3941.7000	43.02	-46.22	30.66	-67.79	-13.00	54.79	138	262	Vertical
5	4730.0400	41.72	-45.75	32.11	-67.18	-13.00	54.18	167	329	Vertical
6	5518.3800	40.82	-45.16	32.93	-66.67	-13.00	53.67	209	359	Vertical

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Member of the SGS Group (SGS SA)

Test Band = LTE Band 14 _5M_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1581.6800	44.86	-48.29	25.37	-73.31	-40.00	33.31	179	135	Horizontal
2	2372.5200	44.05	-47.46	27.43	-71.25	-13.00	58.25	238	40	Horizontal
3	3163.3600	42.68	-46.46	29.62	-69.42	-13.00	56.42	149	68	Horizontal
4	3954.2000	41.91	-46.21	30.69	-68.87	-13.00	55.87	216	105	Horizontal
5	4745.0400	41.36	-45.73	32.15	-67.48	-13.00	54.48	155	135	Horizontal
6	5535.8800	40.95	-45.19	32.95	-66.55	-13.00	53.55	205	163	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1581.6800	48.29	-48.29	25.37	-69.88	-40.00	29.88	217	255	Vertical
2	2372.5200	46.97	-47.46	27.43	-68.33	-13.00	55.33	183	148	Vertical
3	3163.3600	44.96	-46.46	29.62	-67.14	-13.00	54.14	226	236	Vertical
4	3954.2000	42.23	-46.21	30.69	-68.55	-13.00	55.55	194	171	Vertical
5	4745.0400	41.38	-45.73	32.15	-67.46	-13.00	54.46	210	358	Vertical
6	5535.8800	40.32	-45.19	32.95	-67.18	-13.00	54.18	153	356	Vertical

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Member of the SGS Group (SGS SA)

Test Band = LTE Band 14 _5M_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1586.6800	44.86	-48.29	25.37	-73.32	-40.00	33.32	181	105	Horizontal
2	2380.0200	43.50	-47.46	27.43	-71.79	-13.00	58.79	259	357	Horizontal
3	3173.3600	43.63	-46.41	29.64	-68.40	-13.00	55.40	164	202	Horizontal
4	3966.7000	42.16	-46.21	30.72	-68.59	-13.00	55.59	218	0	Horizontal
5	4760.0400	41.61	-45.70	32.20	-67.15	-13.00	54.15	134	53	Horizontal
6	5553.3800	40.36	-45.21	32.97	-67.14	-13.00	54.14	197	5	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1586.6800	44.56	-48.29	25.37	-73.62	-40.00	33.62	286	269	Vertical
2	2380.0200	44.07	-47.46	27.43	-71.22	-13.00	58.22	172	40	Vertical
3	3173.3600	45.85	-46.41	29.64	-66.18	-13.00	53.18	284	212	Vertical
4	3966.7000	42.18	-46.21	30.72	-68.57	-13.00	55.57	159	178	Vertical
5	4760.0400	41.06	-45.70	32.20	-67.70	-13.00	54.70	136	355	Vertical
6	5553.3800	41.05	-45.21	32.97	-66.45	-13.00	53.45	206	197	Vertical

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Test Band = LTE 14A_30A_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1576.6800	35.26	-24.98	25.38	-59.60	-40.00	19.60	124	0	Horizontal
2	2365.0200	36.91	-23.57	27.42	-54.50	-40.00	14.50	178	222	Horizontal
3	3153.3600	44.11	-45.98	29.60	-67.53	-40.00	27.53	216	287	Horizontal
4	4610.6800	42.43	-45.66	31.74	-66.75	-40.00	26.75	235	14	Horizontal
5	6916.0200	41.39	-44.01	35.98	-61.90	-40.00	21.90	192	240	Horizontal
6	9221.3600	37.17	-40.24	38.36	-59.98	-40.00	19.98	162	4	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1576.6800	35.20	-24.98	25.38	-59.66	-40.00	19.66	228	191	Vertical
2	2365.0200	36.49	-23.57	27.42	-54.92	-40.00	14.92	179	163	Vertical
3	3153.3600	43.11	-45.98	29.60	-68.53	-40.00	28.53	265	180	Vertical
4	4610.6800	42.43	-45.66	31.74	-66.75	-40.00	26.75	284	76	Vertical
5	6916.0200	41.22	-44.01	35.98	-62.07	-40.00	22.07	125	197	Vertical
6	9221.3600	36.59	-40.24	38.36	-60.56	-40.00	20.56	156	300	Vertical

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Test Band = LTE 14A_30A_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1581.6800	35.25	-24.97	25.37	-59.60	-40.00	19.60	175	77	Horizontal
2	2372.5200	36.46	-23.57	27.43	-54.95	-40.00	14.95	148	115	Horizontal
3	3163.3600	44.10	-45.93	29.62	-67.47	-40.00	27.47	193	226	Horizontal
4	4615.6800	41.92	-45.66	31.76	-67.24	-40.00	27.24	254	270	Horizontal
5	6923.5200	40.91	-43.97	35.99	-62.33	-40.00	22.33	162	16	Horizontal
6	9231.3600	37.12	-40.24	38.36	-60.02	-40.00	20.02	201	301	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1581.6800	35.24	-24.97	25.37	-59.61	-40.00	19.61	173	0	Vertical
2	2372.5200	36.70	-23.57	27.43	-54.71	-40.00	14.71	210	214	Vertical
3	3163.3600	43.73	-45.93	29.62	-67.84	-40.00	27.84	156	209	Vertical
4	4615.6800	42.78	-45.66	31.76	-66.38	-40.00	26.38	198	353	Vertical
5	6923.5200	41.35	-43.97	35.99	-61.89	-40.00	21.89	174	3	Vertical
6	9231.3600	37.33	-40.24	38.36	-59.81	-40.00	19.81	162	164	Vertical

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Test Band = LTE 14A_30A_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1586.6800	35.21	-24.95	25.37	-59.63	-40.00	19.63	135	357	Horizontal
2	2380.0200	37.09	-23.57	27.43	-54.31	-40.00	14.31	205	302	Horizontal
3	3173.3600	43.61	-45.87	29.64	-67.89	-40.00	27.89	156	256	Horizontal
4	4620.6800	41.46	-45.66	31.77	-67.68	-40.00	27.68	268	331	Horizontal
5	6931.0200	41.59	-43.93	36.00	-61.60	-40.00	21.60	274	242	Horizontal
6	9241.3200	37.75	-40.24	38.37	-59.38	-40.00	19.38	189	357	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1586.6800	35.25	-24.95	25.37	-59.59	-40.00	19.59	193	342	Vertical
2	2380.0200	36.89	-23.57	27.43	-54.51	-40.00	14.51	266	37	Vertical
3	3173.3600	43.27	-45.87	29.64	-68.23	-40.00	28.23	213	284	Vertical
4	4620.6800	41.44	-45.66	31.77	-67.70	-40.00	27.70	287	330	Vertical
5	6931.0200	41.38	-43.93	36.00	-61.81	-40.00	21.81	146	90	Vertical
6	9241.3200	37.36	-40.24	38.37	-59.77	-40.00	19.77	291	270	Vertical

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Test Band = LTE 14A_66A_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1576.6800	29.06	-24.98	25.38	-65.80	-13.00	52.80	255	123	Horizontal
2	2365.0200	29.27	-23.57	27.42	-62.14	-13.00	49.14	189	3	Horizontal
3	3153.3600	43.54	-45.98	29.60	-68.10	-13.00	55.10	214	3	Horizontal
4	3404.1800	43.01	-46.28	29.43	-69.10	-13.00	56.10	166	44	Horizontal
5	5106.2700	41.96	-45.36	32.94	-65.73	-13.00	52.73	238	360	Horizontal
6	6808.3600	41.77	-44.16	35.85	-61.80	-13.00	48.80	147	44	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1576.6800	29.40	-24.98	25.38	-65.46	-13.00	52.46	227	41	Vertical
2	2365.0200	29.16	-23.57	27.42	-62.25	-13.00	49.25	286	0	Vertical
3	3153.3600	43.51	-45.98	29.60	-68.13	-13.00	55.13	235	316	Vertical
4	3404.1800	43.24	-46.28	29.43	-68.87	-13.00	55.87	221	360	Vertical
5	5106.2700	41.37	-45.36	32.94	-66.32	-13.00	53.32	185	360	Vertical
6	6808.3600	42.05	-44.16	35.85	-61.52	-13.00	48.52	134	150	Vertical

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Test Band = LTE 14A_66A_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1581.6800	29.29	-24.97	25.37	-65.56	-13.00	52.56	259	115	Horizontal
2	2372.5200	29.67	-23.57	27.43	-61.74	-13.00	48.74	186	194	Horizontal
3	3163.3600	43.88	-45.93	29.62	-67.69	-13.00	54.69	235	360	Horizontal
4	3454.1800	43.55	-46.27	29.48	-68.50	-13.00	55.50	221	194	Horizontal
5	5181.2700	42.25	-45.30	32.98	-65.33	-13.00	52.33	147	239	Horizontal
6	6908.3600	41.53	-44.05	35.97	-61.81	-13.00	48.81	125	148	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1581.6800	28.82	-24.97	25.37	-66.03	-13.00	53.03	100	0	Vertical
2	2372.5200	29.31	-23.57	27.43	-62.10	-13.00	49.10	146	0	Vertical
3	3163.3600	44.44	-45.93	29.62	-67.13	-13.00	54.13	233	208	Vertical
4	3454.1800	44.19	-46.27	29.48	-67.86	-13.00	54.86	198	104	Vertical
5	5181.2700	41.82	-45.30	32.98	-65.76	-13.00	52.76	156	254	Vertical
6	6908.3600	41.35	-44.05	35.97	-61.99	-13.00	48.99	214	239	Vertical

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Test Band = LTE 14A_66A_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1586.6800	29.07	-24.95	25.37	-65.77	-13.00	52.77	227	18	Horizontal
2	2380.0200	29.47	-23.57	27.43	-61.93	-13.00	48.93	184	331	Horizontal
3	3173.3600	43.49	-45.87	29.64	-68.01	-13.00	55.01	157	4	Horizontal
4	3504.1800	43.60	-46.25	29.52	-68.39	-13.00	55.39	216	90	Horizontal
5	5256.2700	42.25	-45.17	32.94	-65.25	-13.00	52.25	268	179	Horizontal
6	7008.3600	41.16	-43.61	36.10	-61.61	-13.00	48.61	278	46	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1586.6800	28.92	-24.95	25.37	-65.92	-13.00	52.92	118	104	Vertical
2	2380.0200	29.36	-23.57	27.43	-62.04	-13.00	49.04	198	331	Vertical
3	3173.3600	43.37	-45.87	29.64	-68.13	-13.00	55.13	162	185	Vertical
4	3504.1800	44.12	-46.25	29.52	-67.87	-13.00	54.87	325	3	Vertical
5	5256.2700	42.57	-45.17	32.94	-64.93	-13.00	51.93	224	44	Vertical
6	7008.3600	41.52	-43.61	36.10	-61.25	-13.00	48.25	178	354	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

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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	VL	NT	0.10	0.000126	PASS
Band14	10MHz	QPSK	23330	50RB#0	VN	NT	-11.50	-0.014502	PASS
Band14	10MHz	QPSK	23330	50RB#0	VH	NT	-2.40	-0.003026	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	NV	-30	-5.20	-0.006557	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-20	-2.60	-0.003279	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-10	-3.50	-0.004414	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	0	-1.10	-0.001387	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	10	-1.00	-0.001261	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	20	-1.10	-0.001387	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	30	-3.40	-0.004288	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	40	-2.20	-0.002774	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	50	0.40	0.000504	PASS

---End of Attachment---

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