Appendix B.45

LTE Band 48(3550-3700)

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Effective (Isotropic) Radiated Power Output Data

Test ResultAnt6

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm/ 10MHz)	EIRP (dBm/ 10MHz)	Limit (dBm/ 10MHz)	Verdict
Band48	5MHz	QPSK	55265	1RB#0	21.93	17.64	23	PASS
Band48	5MHz	QPSK	55265	1RB#12	21.92	17.63	23	PASS
Band48	5MHz	QPSK	55265	1RB#24	21.97	17.68	23	PASS
Band48	5MHz	QPSK	55265	25RB#0	20.89	16.6	23	PASS
Band48	5MHz	QPSK	55990	1RB#0	21.69	17.4	23	PASS
Band48	5MHz	QPSK	55990	1RB#12	21.71	17.42	23	PASS
Band48	5MHz	QPSK	55990	1RB#24	21.71	17.42	23	PASS
Band48	5MHz	QPSK	55990	25RB#0	20.82	16.53	23	PASS
Band48	5MHz	QPSK	56715	1RB#0	21.77	17.48	23	PASS
Band48	5MHz	QPSK	56715	1RB#12	21.8	17.51	23	PASS
Band48	5MHz	QPSK	56715	1RB#24	21.8	17.51	23	PASS
Band48	5MHz	QPSK	56715	25RB#0	20.78	16.49	23	PASS
Band48	5MHz	16QAM	55265	1RB#0	21.14	16.85	23	PASS
Band48	5MHz	16QAM	55265	1RB#12	21.06	16.77	23	PASS
Band48	5MHz	16QAM	55265	1RB#24	21.13	16.84	23	PASS
Band48	5MHz	16QAM	55265	25RB#0	20.06	15.77	23	PASS
Band48	5MHz	16QAM	55990	1RB#0	20.94	16.65	23	PASS
Band48	5MHz	16QAM	55990	1RB#12	20.91	16.62	23	PASS
Band48	5MHz	16QAM	55990	1RB#24	20.8	16.51	23	PASS
Band48	5MHz	16QAM	55990	25RB#0	19.99	15.7	23	PASS
Band48	5MHz	16QAM	56715	1RB#0	20.76	16.47	23	PASS
Band48	5MHz	16QAM	56715	1RB#12	20.76	16.47	23	PASS
Band48	5MHz	16QAM	56715	1RB#24	20.71	16.42	23	PASS
Band48	5MHz	16QAM	56715	25RB#0	20.11	15.82	23	PASS
Band48	5MHz	64QAM	55265	1RB#0	19.66	15.37	23	PASS
Band48	5MHz	64QAM	55265	1RB#12	19.92	15.63	23	PASS

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Band48	5MHz	64QAM	55265	1RB#24	19.92	15.63	23	PASS
Band48	5MHz	64QAM	55265	25RB#0	19	14.71	23	PASS
Band48	5MHz	64QAM	55990	1RB#0	19.67	15.38	23	PASS
Band48	5MHz	64QAM	55990	1RB#12	19.6	15.31	23	PASS
Band48	5MHz	64QAM	55990	1RB#24	19.71	15.42	23	PASS
Band48	5MHz	64QAM	55990	25RB#0	18.96	14.67	23	PASS
Band48	5MHz	64QAM	56715	1RB#0	19.79	15.5	23	PASS
Band48	5MHz	64QAM	56715	1RB#12	19.71	15.42	23	PASS
Band48	5MHz	64QAM	56715	1RB#24	19.74	15.45	23	PASS
Band48	5MHz	64QAM	56715	25RB#0	19.07	14.78	23	PASS
Band48	5MHz	256QAM	55265	1RB#0	16.97	12.68	23	PASS
Band48	5MHz	256QAM	55265	1RB#12	16.93	12.64	23	PASS
Band48	5MHz	256QAM	55265	1RB#24	16.89	12.6	23	PASS
Band48	5MHz	256QAM	55265	25RB#0	17.03	12.74	23	PASS
Band48	5MHz	256QAM	55990	1RB#0	16.89	12.6	23	PASS
Band48	5MHz	256QAM	55990	1RB#12	16.72	12.43	23	PASS
Band48	5MHz	256QAM	55990	1RB#24	16.92	12.63	23	PASS
Band48	5MHz	256QAM	55990	25RB#0	16.96	12.67	23	PASS
Band48	5MHz	256QAM	56715	1RB#0	16.93	12.64	23	PASS
Band48	5MHz	256QAM	56715	1RB#12	16.88	12.59	23	PASS
Band48	5MHz	256QAM	56715	1RB#24	16.87	12.58	23	PASS
Band48	5MHz	256QAM	56715	25RB#0	17	12.71	23	PASS
Band48	10MHz	QPSK	55290	1RB#0	22.09	17.8	23	PASS
Band48	10MHz	QPSK	55290	1RB#24	22.13	17.84	23	PASS
Band48	10MHz	QPSK	55290	1RB#49	22.01	17.72	23	PASS
Band48	10MHz	QPSK	55290	50RB#0	20.91	16.62	23	PASS
Band48	10MHz	QPSK	55990	1RB#0	21.96	17.67	23	PASS
Band48	10MHz	QPSK	55990	1RB#24	21.86	17.57	23	PASS
Band48	10MHz	QPSK	55990	1RB#49	21.82	17.53	23	PASS
Band48	10MHz	QPSK	55990	50RB#0	20.87	16.58	23	PASS
Band48	10MHz	QPSK	56690	1RB#0	21.72	17.43	23	PASS
Band48	10MHz	QPSK	56690	1RB#24	21.75	17.46	23	PASS

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Band48	10MHz	QPSK	56690	1RB#49	21.74	17.45	23	PASS
Band48	10MHz	QPSK	56690	50RB#0	20.77	16.48	23	PASS
Band48	10MHz	16QAM	55290	1RB#0	21.02	16.73	23	PASS
Band48	10MHz	16QAM	55290	1RB#24	21.05	16.76	23	PASS
Band48	10MHz	16QAM	55290	1RB#49	21.23	16.94	23	PASS
Band48	10MHz	16QAM	55290	50RB#0	20.31	16.02	23	PASS
Band48	10MHz	16QAM	55990	1RB#0	20.94	16.65	23	PASS
Band48	10MHz	16QAM	55990	1RB#24	20.87	16.58	23	PASS
Band48	10MHz	16QAM	55990	1RB#49	20.85	16.56	23	PASS
Band48	10MHz	16QAM	55990	50RB#0	20.11	15.82	23	PASS
Band48	10MHz	16QAM	56690	1RB#0	20.88	16.59	23	PASS
Band48	10MHz	16QAM	56690	1RB#24	20.82	16.53	23	PASS
Band48	10MHz	16QAM	56690	1RB#49	20.79	16.5	23	PASS
Band48	10MHz	16QAM	56690	50RB#0	20.02	15.73	23	PASS
Band48	10MHz	64QAM	55290	1RB#0	19.9	15.61	23	PASS
Band48	10MHz	64QAM	55290	1RB#24	19.75	15.46	23	PASS
Band48	10MHz	64QAM	55290	1RB#49	19.84	15.55	23	PASS
Band48	10MHz	64QAM	55290	50RB#0	19.19	14.9	23	PASS
Band48	10MHz	64QAM	55990	1RB#0	19.76	15.47	23	PASS
Band48	10MHz	64QAM	55990	1RB#24	19.67	15.38	23	PASS
Band48	10MHz	64QAM	55990	1RB#49	19.69	15.4	23	PASS
Band48	10MHz	64QAM	55990	50RB#0	19	14.71	23	PASS
Band48	10MHz	64QAM	56690	1RB#0	19.7	15.41	23	PASS
Band48	10MHz	64QAM	56690	1RB#24	19.85	15.56	23	PASS
Band48	10MHz	64QAM	56690	1RB#49	19.64	15.35	23	PASS
Band48	10MHz	64QAM	56690	50RB#0	19.13	14.84	23	PASS
Band48	10MHz	256QAM	55290	1RB#0	16.9	12.61	23	PASS
Band48	10MHz	256QAM	55290	1RB#24	17.01	12.72	23	PASS
Band48	10MHz	256QAM	55290	1RB#49	17	12.71	23	PASS
Band48	10MHz	256QAM	55290	50RB#0	17.22	12.93	23	PASS
Band48	10MHz	256QAM	55990	1RB#0	16.94	12.65	23	PASS
Band48	10MHz	256QAM	55990	1RB#24	16.92	12.63	23	PASS

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Band48	10MHz	256QAM	55990	50RB#0	17.11	12.82	23	PASS
Band48	10MHz	256QAM	56690	1RB#0	16.89	12.6	23	PASS
Band48	10MHz	256QAM	56690	1RB#24	16.99	12.7	23	PASS
Band48	10MHz	256QAM	56690	1RB#49	16.9	12.61	23	PASS
Band48	10MHz	256QAM	56690	50RB#0	17	12.71	23	PASS
Band48	15MHz	QPSK	55315	1RB#0	21.88	17.59	23	PASS
Band48	15MHz	QPSK	55315	1RB#38	22.08	17.79	23	PASS
Band48	15MHz	QPSK	55315	1RB#74	22.05	17.76	23	PASS
Band48	15MHz	QPSK	55315	75RB#0	20.91	16.62	23	PASS
Band48	15MHz	QPSK	55990	1RB#0	21.63	17.34	23	PASS
Band48	15MHz	QPSK	55990	1RB#38	21.77	17.48	23	PASS
Band48	15MHz	QPSK	55990	1RB#74	21.8	17.51	23	PASS
Band48	15MHz	QPSK	55990	75RB#0	20.69	16.4	23	PASS
Band48	15MHz	QPSK	56665	1RB#0	21.61	17.32	23	PASS
Band48	15MHz	QPSK	56665	1RB#38	21.64	17.35	23	PASS
Band48	15MHz	QPSK	56665	1RB#74	21.8	17.51	23	PASS
Band48	15MHz	QPSK	56665	75RB#0	20.66	16.37	23	PASS
Band48	15MHz	16QAM	55315	1RB#0	20.97	16.68	23	PASS
Band48	15MHz	16QAM	55315	1RB#38	20.95	16.66	23	PASS
Band48	15MHz	16QAM	55315	1RB#74	21.08	16.79	23	PASS
Band48	15MHz	16QAM	55315	75RB#0	20.25	15.96	23	PASS
Band48	15MHz	16QAM	55990	1RB#0	20.78	16.49	23	PASS
Band48	15MHz	16QAM	55990	1RB#38	20.79	16.5	23	PASS
Band48	15MHz	16QAM	55990	1RB#74	20.8	16.51	23	PASS
Band48	15MHz	16QAM	55990	75RB#0	19.99	15.7	23	PASS
Band48	15MHz	16QAM	56665	1RB#0	20.78	16.49	23	PASS
Band48	15MHz	16QAM	56665	1RB#38	20.82	16.53	23	PASS
Band48	15MHz	16QAM	56665	1RB#74	20.82	16.53	23	PASS
Band48	15MHz	16QAM	56665	75RB#0	20.05	15.76	23	PASS
Band48	15MHz	64QAM	55315	1RB#0	19.67	15.38	23	PASS
Band48	15MHz	64QAM	55315	1RB#38	19.9	15.61	23	PASS

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Band48	15MHz	64QAM	55315	1RB#74	19.93	15.64	23	PASS
Band48	15MHz	64QAM	55315	75RB#0	19.26	14.97	23	PASS
Band48	15MHz	64QAM	55990	1RB#0	19.71	15.42	23	PASS
Band48	15MHz	64QAM	55990	1RB#38	19.73	15.44	23	PASS
Band48	15MHz	64QAM	55990	1RB#74	19.75	15.46	23	PASS
Band48	15MHz	64QAM	55990	75RB#0	19.13	14.84	23	PASS
Band48	15MHz	64QAM	56665	1RB#0	19.66	15.37	23	PASS
Band48	15MHz	64QAM	56665	1RB#38	19.72	15.43	23	PASS
Band48	15MHz	64QAM	56665	1RB#74	19.69	15.4	23	PASS
Band48	15MHz	64QAM	56665	75RB#0	19.06	14.77	23	PASS
Band48	15MHz	256QAM	55315	1RB#0	16.97	12.68	23	PASS
Band48	15MHz	256QAM	55315	1RB#38	17.04	12.75	23	PASS
Band48	15MHz	256QAM	55315	1RB#74	16.95	12.66	23	PASS
Band48	15MHz	256QAM	55315	75RB#0	17.03	12.74	23	PASS
Band48	15MHz	256QAM	55990	1RB#0	16.65	12.36	23	PASS
Band48	15MHz	256QAM	55990	1RB#38	16.91	12.62	23	PASS
Band48	15MHz	256QAM	55990	1RB#74	16.82	12.53	23	PASS
Band48	15MHz	256QAM	55990	75RB#0	16.99	12.7	23	PASS
Band48	15MHz	256QAM	56665	1RB#0	16.68	12.39	23	PASS
Band48	15MHz	256QAM	56665	1RB#38	16.8	12.51	23	PASS
Band48	15MHz	256QAM	56665	1RB#74	16.89	12.6	23	PASS
Band48	15MHz	256QAM	56665	75RB#0	17.14	12.85	23	PASS
Band48	20MHz	QPSK	55340	1RB#0	21.97	17.68	23	PASS
Band48	20MHz	QPSK	55340	1RB#49	21.93	17.64	23	PASS
Band48	20MHz	QPSK	55340	1RB#99	21.98	17.69	23	PASS
Band48	20MHz	QPSK	55340	100RB#0	20.99	16.7	23	PASS
Band48	20MHz	QPSK	55990	1RB#0	21.47	17.18	23	PASS
Band48	20MHz	QPSK	55990	1RB#49	21.83	17.54	23	PASS
Band48	20MHz	QPSK	55990	1RB#99	21.8	17.51	23	PASS
Band48	20MHz	QPSK	55990	100RB#0	20.81	16.52	23	PASS
Band48	20MHz	QPSK	56640	1RB#0	21.62	17.33	23	PASS
Band48	20MHz	QPSK	56640	1RB#49	21.63	17.34	23	PASS

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Band48	20MHz	QPSK	56640	1RB#99	21.74	17.45	23	PASS
Band48	20MHz	QPSK	56640	100RB#0	20.85	16.56	23	PASS
Band48	20MHz	16QAM	55340	1RB#0	20.97	16.68	23	PASS
Band48	20MHz	16QAM	55340	1RB#49	21	16.71	23	PASS
Band48	20MHz	16QAM	55340	1RB#99	21.28	16.99	23	PASS
Band48	20MHz	16QAM	55340	100RB#0	20.26	15.97	23	PASS
Band48	20MHz	16QAM	55990	1RB#0	20.69	16.4	23	PASS
Band48	20MHz	16QAM	55990	1RB#49	20.66	16.37	23	PASS
Band48	20MHz	16QAM	55990	1RB#99	20.9	16.61	23	PASS
Band48	20MHz	16QAM	55990	100RB#0	20.15	15.86	23	PASS
Band48	20MHz	16QAM	56640	1RB#0	20.69	16.4	23	PASS
Band48	20MHz	16QAM	56640	1RB#49	20.86	16.57	23	PASS
Band48	20MHz	16QAM	56640	1RB#99	20.82	16.53	23	PASS
Band48	20MHz	16QAM	56640	100RB#0	20.03	15.74	23	PASS
Band48	20MHz	64QAM	55340	1RB#0	19.74	15.45	23	PASS
Band48	20MHz	64QAM	55340	1RB#49	19.9	15.61	23	PASS
Band48	20MHz	64QAM	55340	1RB#99	19.77	15.48	23	PASS
Band48	20MHz	64QAM	55340	100RB#0	19.2	14.91	23	PASS
Band48	20MHz	64QAM	55990	1RB#0	19.58	15.29	23	PASS
Band48	20MHz	64QAM	55990	1RB#49	19.71	15.42	23	PASS
Band48	20MHz	64QAM	55990	1RB#99	19.75	15.46	23	PASS
Band48	20MHz	64QAM	55990	100RB#0	19.06	14.77	23	PASS
Band48	20MHz	64QAM	56640	1RB#0	19.67	15.38	23	PASS
Band48	20MHz	64QAM	56640	1RB#49	19.71	15.42	23	PASS
Band48	20MHz	64QAM	56640	1RB#99	19.8	15.51	23	PASS
Band48	20MHz	64QAM	56640	100RB#0	19.1	14.81	23	PASS
Band48	20MHz	256QAM	55340	1RB#0	16.91	12.62	23	PASS
Band48	20MHz	256QAM	55340	1RB#49	17.01	12.72	23	PASS
Band48	20MHz	256QAM	55340	1RB#99	17.08	12.79	23	PASS
Band48	20MHz	256QAM	55340	100RB#0	17.14	12.85	23	PASS
Band48	20MHz	256QAM	55990	1RB#0	16.8	12.51	23	PASS
Band48	20MHz	256QAM	55990	1RB#49	16.82	12.53	23	PASS

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Band48	20MHz	256QAM	55990	1RB#99	16.92	12.63	23	PASS
Band48	20MHz	256QAM	55990	100RB#0	16.95	12.66	23	PASS
Band48	20MHz	256QAM	56640	1RB#0	16.86	12.57	23	PASS
Band48	20MHz	256QAM	56640	1RB#49	16.72	12.43	23	PASS
Band48	20MHz	256QAM	56640	1RB#99	16.94	12.65	23	PASS
Band48	20MHz	256QAM	56640	100RB#0	17.09	12.8	23	PASS

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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band48	20MHz	QPSK	55340	100RB#0	7.62	13	PASS
Band48	20MHz	QPSK	55990	100RB#0	9.10	13	PASS
Band48	20MHz	QPSK	56640	100RB#0	9.22	13	PASS
Band48	20MHz	16QAM	55340	100RB#0	8.36	13	PASS
Band48	20MHz	16QAM	55990	100RB#0	8.18	13	PASS
Band48	20MHz	16QAM	56640	100RB#0	8.18	13	PASS
Band48	20MHz	64QAM	55340	100RB#0	8.44	13	PASS
Band48	20MHz	64QAM	55990	100RB#0	8.46	13	PASS
Band48	20MHz	64QAM	56640	100RB#0	8.60	13	PASS
Band48	20MHz	256QAM	55340	100RB#0	8.58	13	PASS
Band48	20MHz	256QAM	55990	100RB#0	8.66	13	PASS
Band48	20MHz	256QAM	56640	100RB#0	8.62	13	PASS

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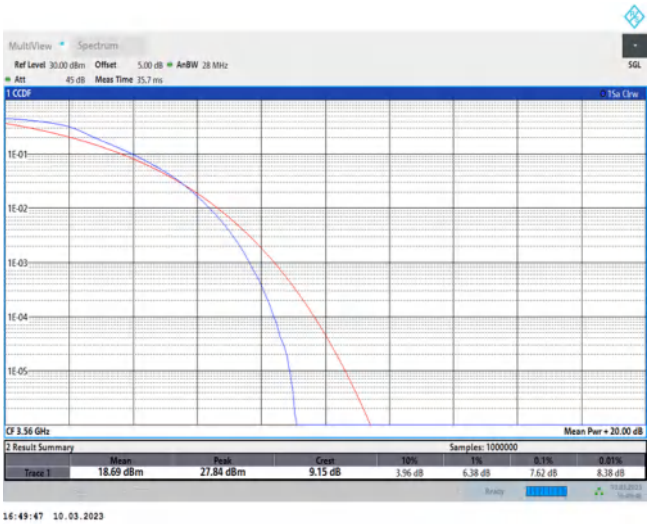
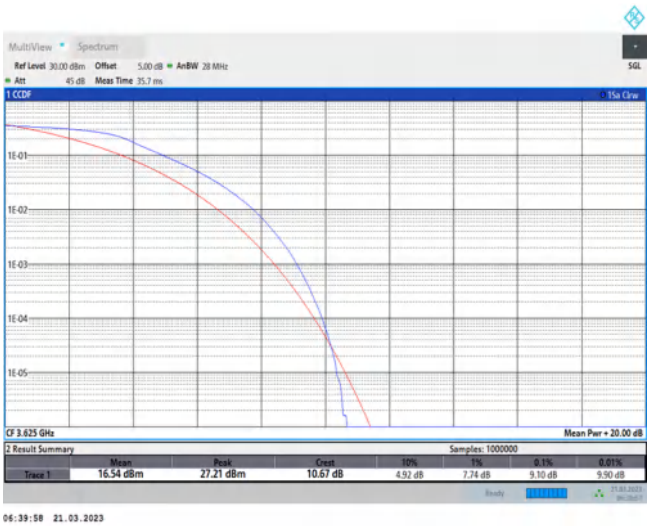
Test Graphs

Band48-20MHz-QPSK-55340-100RB#0



Band48-20MHz-QPSK-55990-100RB#0



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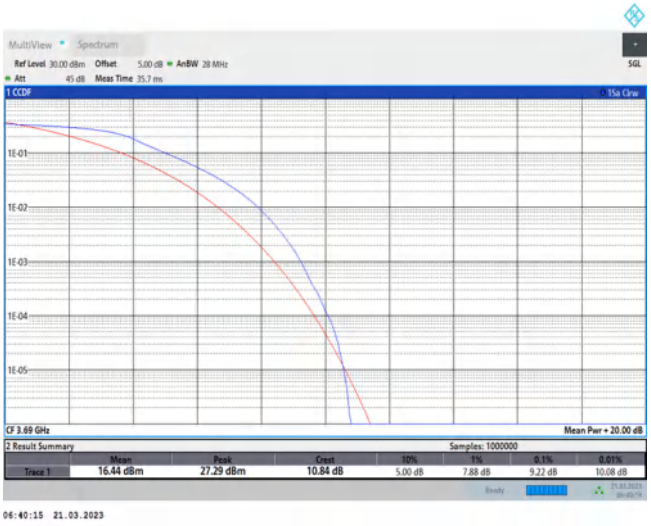
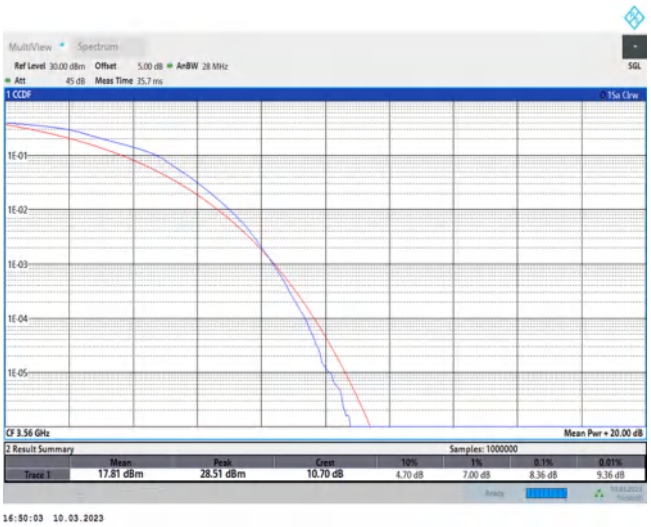
Band48-20MHz-QPSK-56640-100RB#0



Band48-20MHz-16QAM-55340-100RB#0



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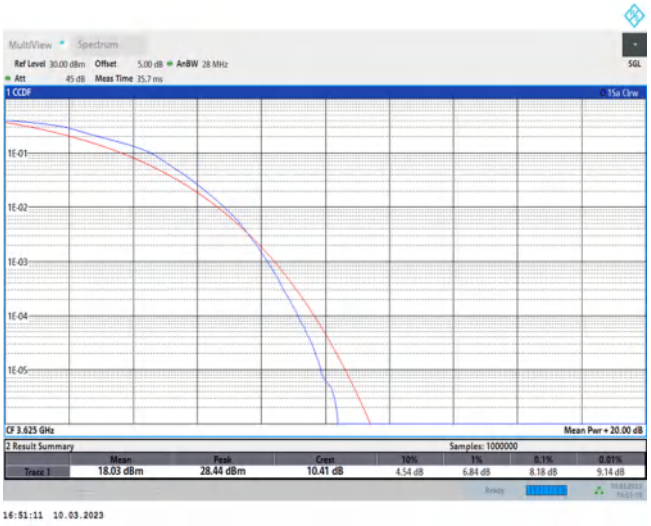
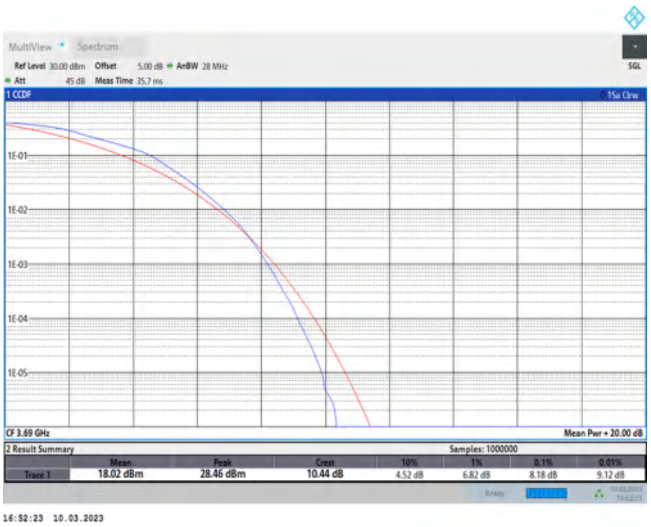
Band48-20MHz-16QAM-55990-100RB#0



Band48-20MHz-16QAM-56640-100RB#0



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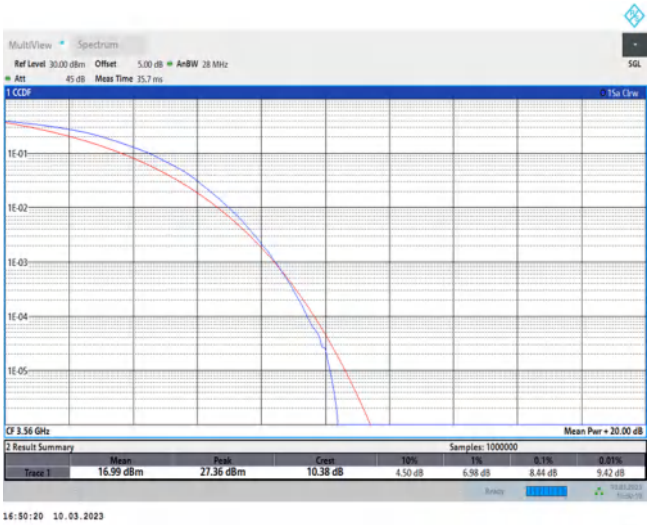
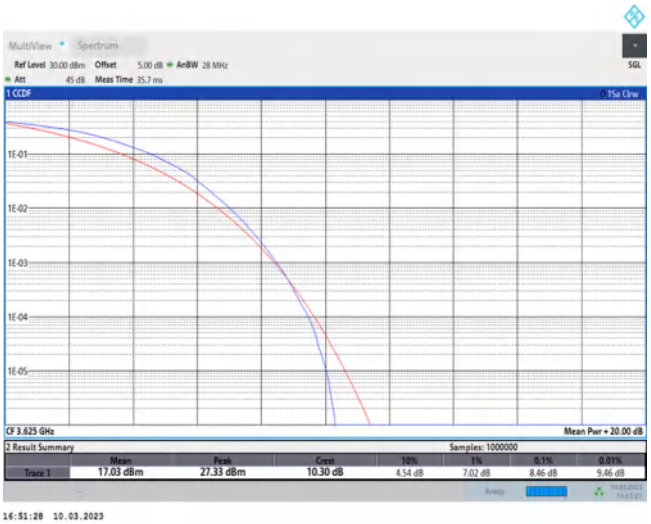
Band48-20MHz-64QAM-55340-100RB#0



Band48-20MHz-64QAM-55990-100RB#0



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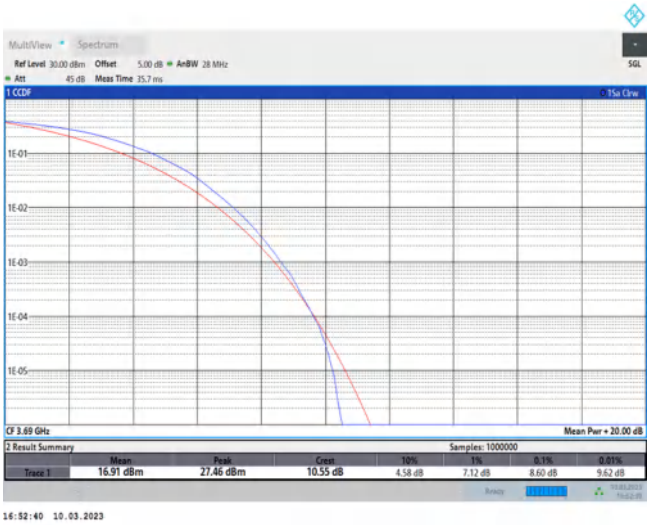
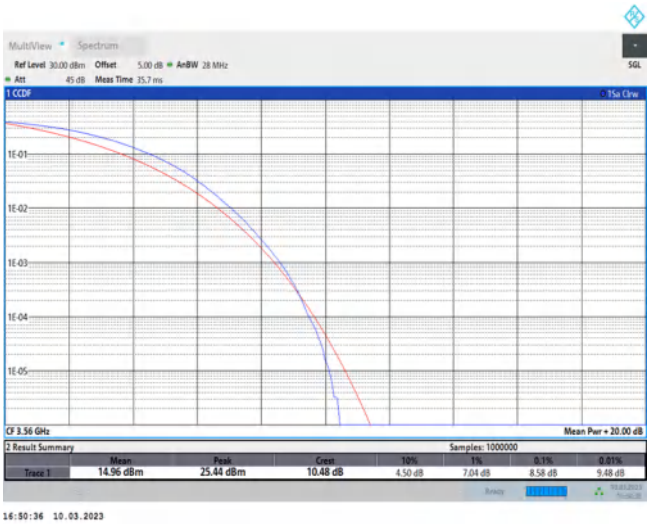
Band48-20MHz-64QAM-56640-100RB#0


Band48-20MHz-256QAM-55340-100RB#0


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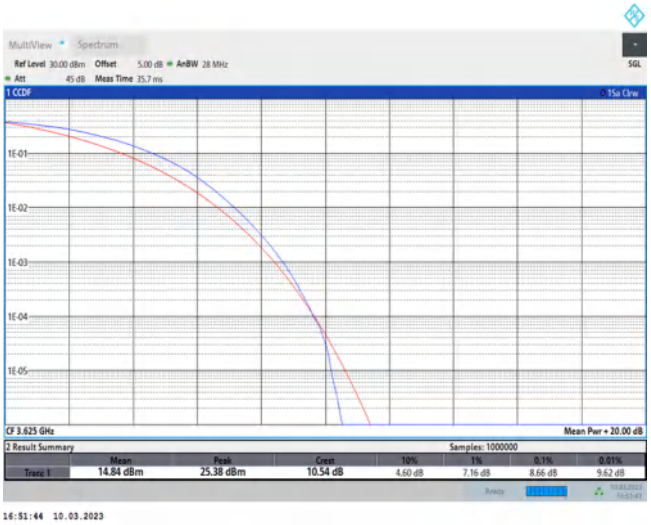
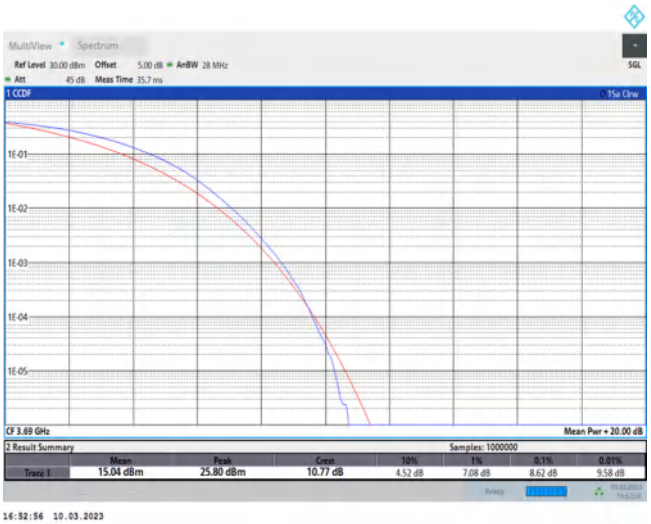
Band48-20MHz-256QAM-55990-100RB#0



Band48-20MHz-256QAM-56640-100RB#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
Band48	5MHz	QPSK	55265	25RB#0	4.479	5.04	PASS
Band48	5MHz	QPSK	55990	25RB#0	4.479	5.06	PASS
Band48	5MHz	QPSK	56715	25RB#0	4.482	5.09	PASS
Band48	5MHz	16QAM	55265	25RB#0	4.493	5.14	PASS
Band48	5MHz	16QAM	55990	25RB#0	4.494	5.13	PASS
Band48	5MHz	16QAM	56715	25RB#0	4.488	5.20	PASS
Band48	5MHz	64QAM	55265	25RB#0	4.504	5.04	PASS
Band48	5MHz	64QAM	55990	25RB#0	4.507	5.03	PASS
Band48	5MHz	64QAM	56715	25RB#0	4.503	5.04	PASS
Band48	5MHz	256QAM	55265	25RB#0	4.482	5.22	PASS
Band48	5MHz	256QAM	55990	25RB#0	4.483	5.15	PASS
Band48	5MHz	256QAM	56715	25RB#0	4.486	5.17	PASS
Band48	10MHz	QPSK	55290	50RB#0	8.968	9.90	PASS
Band48	10MHz	QPSK	55990	50RB#0	8.975	9.90	PASS
Band48	10MHz	QPSK	56690	50RB#0	8.984	9.87	PASS
Band48	10MHz	16QAM	55290	50RB#0	8.978	9.90	PASS
Band48	10MHz	16QAM	55990	50RB#0	8.964	9.90	PASS
Band48	10MHz	16QAM	56690	50RB#0	8.948	9.83	PASS
Band48	10MHz	64QAM	55290	50RB#0	8.995	10.30	PASS
Band48	10MHz	64QAM	55990	50RB#0	9	10.27	PASS
Band48	10MHz	64QAM	56690	50RB#0	9.007	10.30	PASS
Band48	10MHz	256QAM	55290	50RB#0	8.974	9.90	PASS
Band48	10MHz	256QAM	55990	50RB#0	8.977	9.87	PASS
Band48	10MHz	256QAM	56690	50RB#0	8.978	9.87	PASS
Band48	15MHz	QPSK	55315	75RB#0	13.479	16.00	PASS
Band48	15MHz	QPSK	55990	75RB#0	13.489	15.85	PASS
Band48	15MHz	QPSK	56665	75RB#0	13.485	15.65	PASS
Band48	15MHz	16QAM	55315	75RB#0	13.465	14.70	PASS
Band48	15MHz	16QAM	55990	75RB#0	13.495	14.70	PASS

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Band48	15MHz	16QAM	56665	75RB#0	13.472	14.70	PASS
Band48	15MHz	64QAM	55315	75RB#0	13.467	14.75	PASS
Band48	15MHz	64QAM	55990	75RB#0	13.476	14.70	PASS
Band48	15MHz	64QAM	56665	75RB#0	13.47	14.75	PASS
Band48	15MHz	256QAM	55315	75RB#0	13.478	14.70	PASS
Band48	15MHz	256QAM	55990	75RB#0	13.466	14.65	PASS
Band48	15MHz	256QAM	56665	75RB#0	13.475	14.75	PASS
Band48	20MHz	QPSK	55340	100RB#0	18.055	21.20	PASS
Band48	20MHz	QPSK	55990	100RB#0	18.022	20.47	PASS
Band48	20MHz	QPSK	56640	100RB#0	18.042	20.60	PASS
Band48	20MHz	16QAM	55340	100RB#0	18.005	20.27	PASS
Band48	20MHz	16QAM	55990	100RB#0	18.003	19.67	PASS
Band48	20MHz	16QAM	56640	100RB#0	18.018	19.60	PASS
Band48	20MHz	64QAM	55340	100RB#0	17.967	20.33	PASS
Band48	20MHz	64QAM	55990	100RB#0	17.984	20.20	PASS
Band48	20MHz	64QAM	56640	100RB#0	17.983	20.13	PASS
Band48	20MHz	256QAM	55340	100RB#0	17.979	19.67	PASS
Band48	20MHz	256QAM	55990	100RB#0	18.003	21.40	PASS
Band48	20MHz	256QAM	56640	100RB#0	17.967	19.67	PASS

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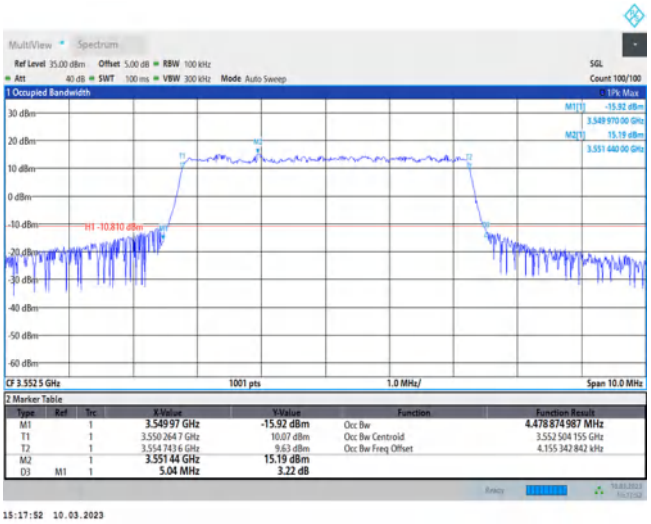
Test Graphs

Band48-5MHz-QPSK-55265-25RB#0



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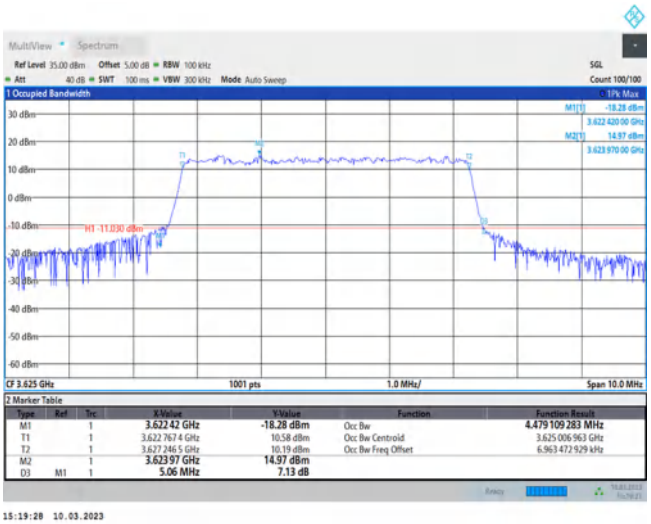

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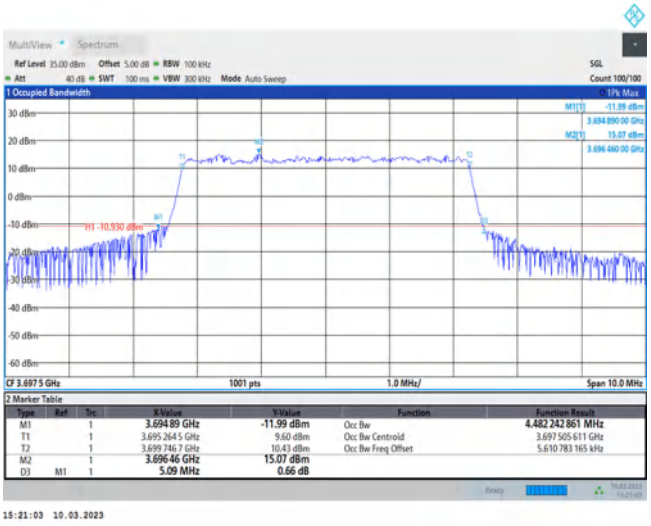
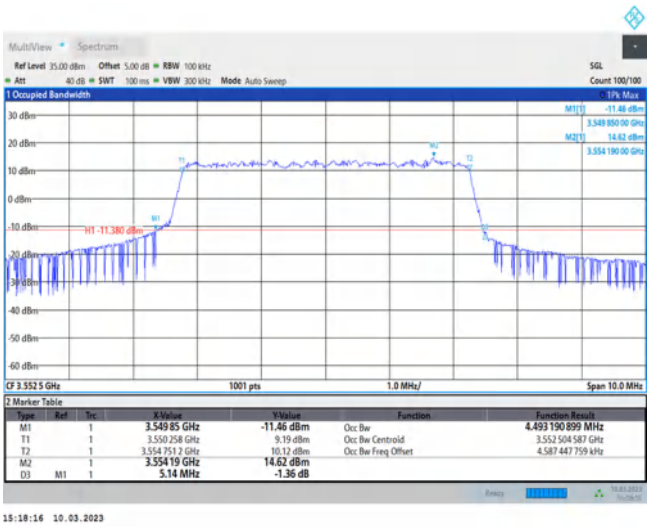
Band48-5MHz-QPSK-56715-25RB#0



Band48-5MHz-16QAM-55265-25RB#0



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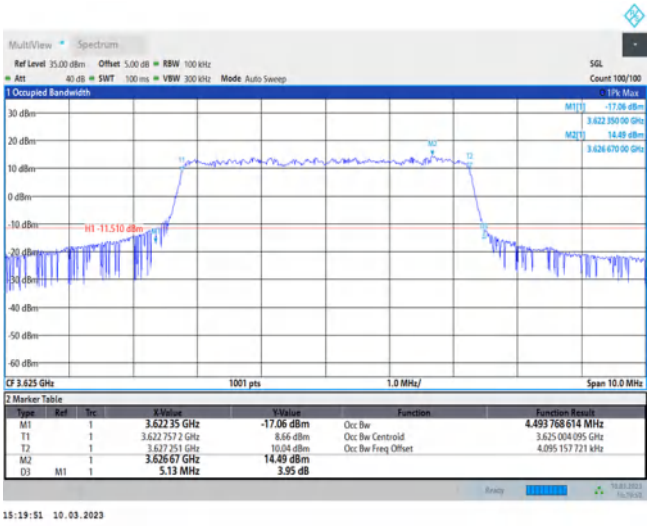
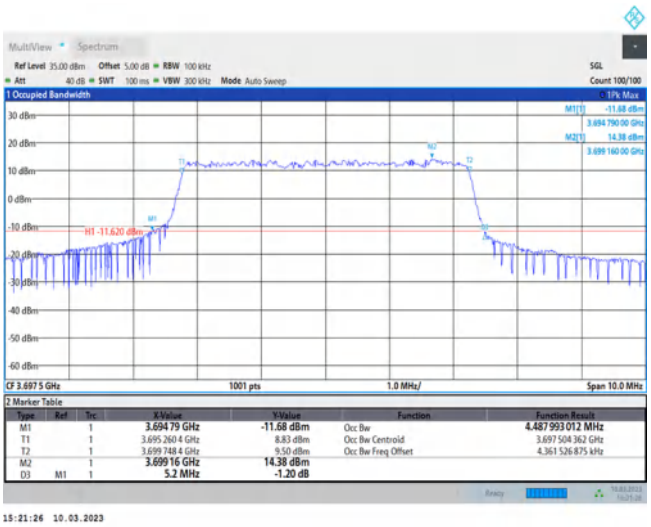
Band48-5MHz-16QAM-55990-25RB#0



Band48-5MHz-16QAM-56715-25RB#0



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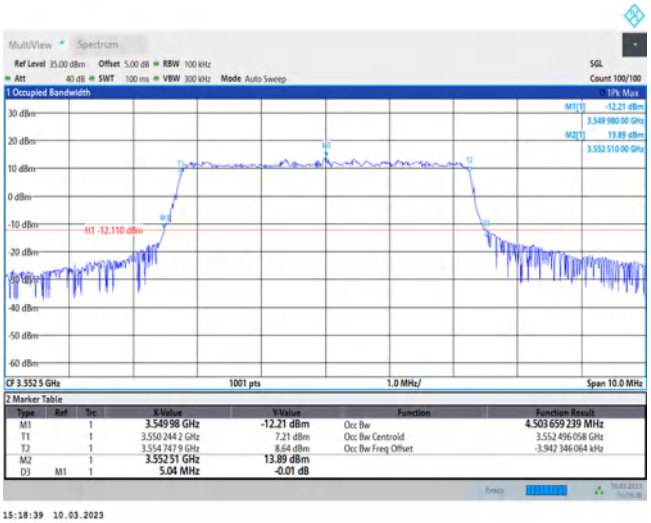
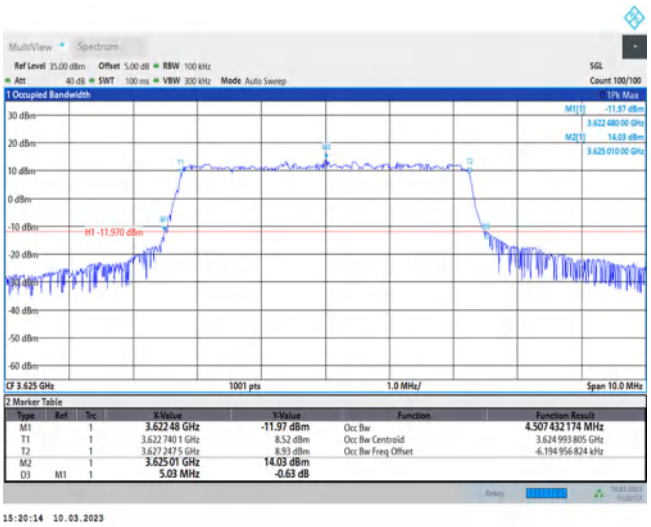
Band48-5MHz-64QAM-55265-25RB#0



Band48-5MHz-64QAM-55990-25RB#0



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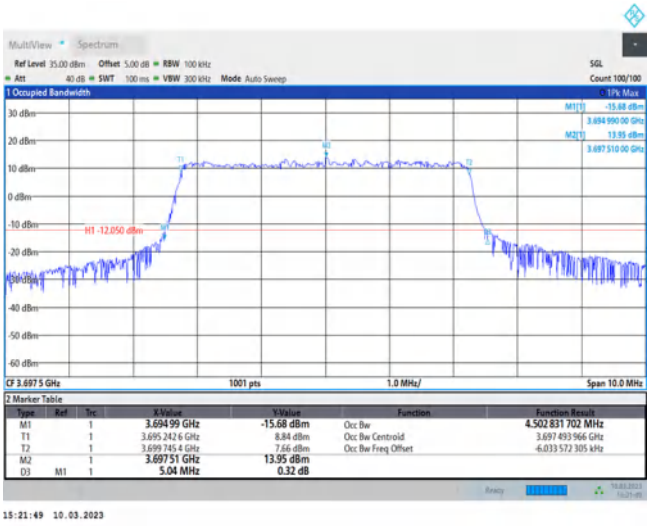
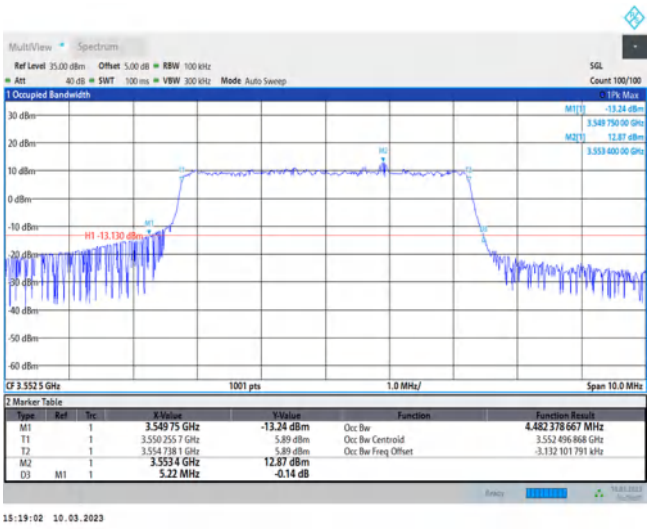


Band48-5MHz-256QAM-55265-25RB#0



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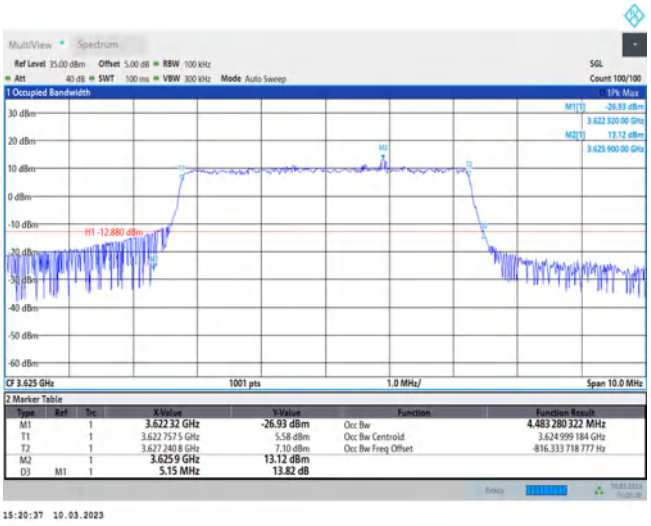
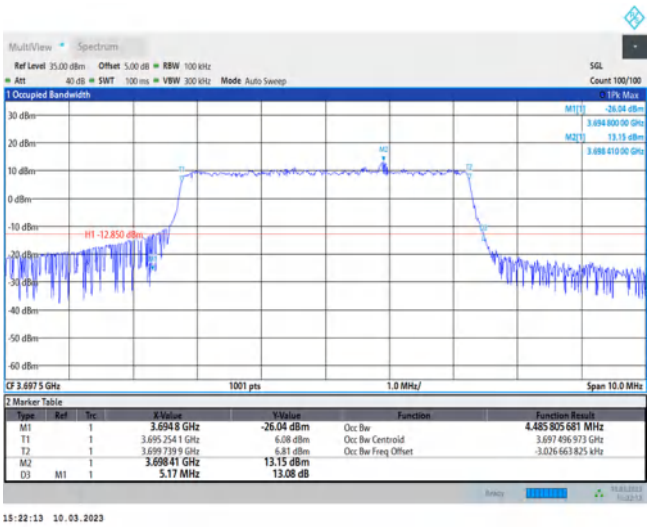
Band48-5MHz-256QAM-55990-25RB#0



Band48-5MHz-256QAM-56715-25RB#0



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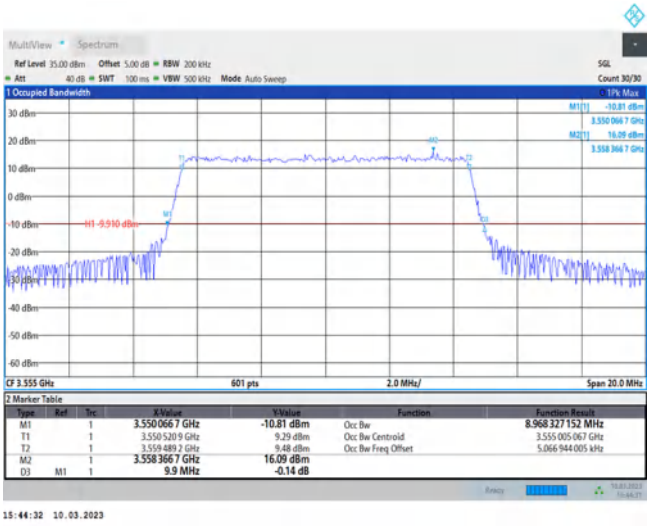
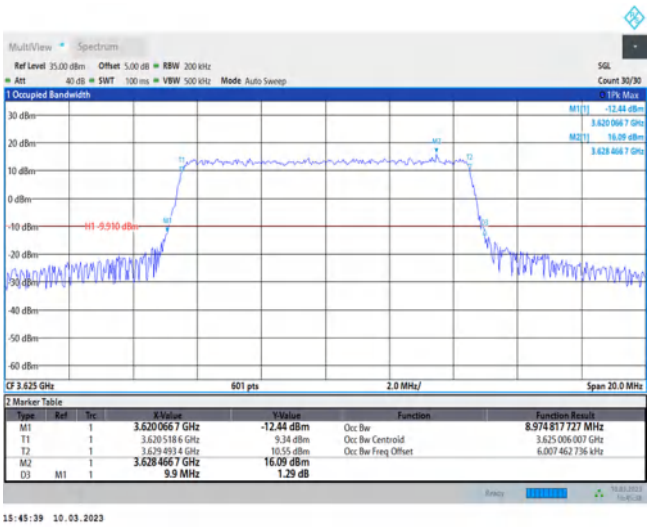
Band48-10MHz-QPSK-55290-50RB#0



Band48-10MHz-QPSK-55990-50RB#0



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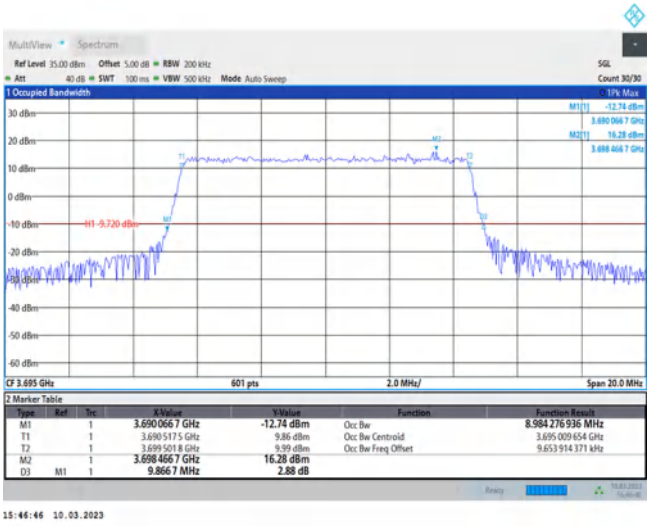
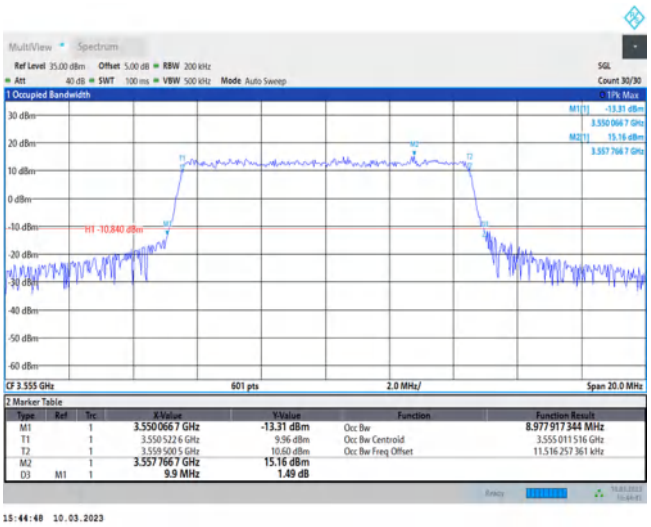
Band48-10MHz-QPSK-56690-50RB#0



Band48-10MHz-16QAM-55290-50RB#0



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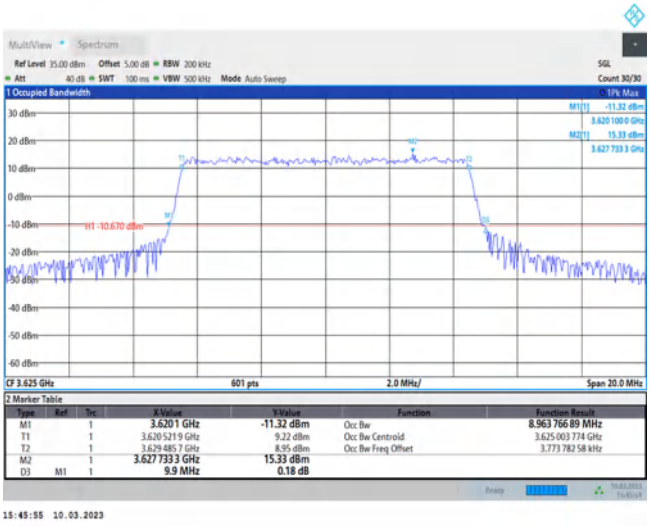
Band48-10MHz-16QAM-55990-50RB#0



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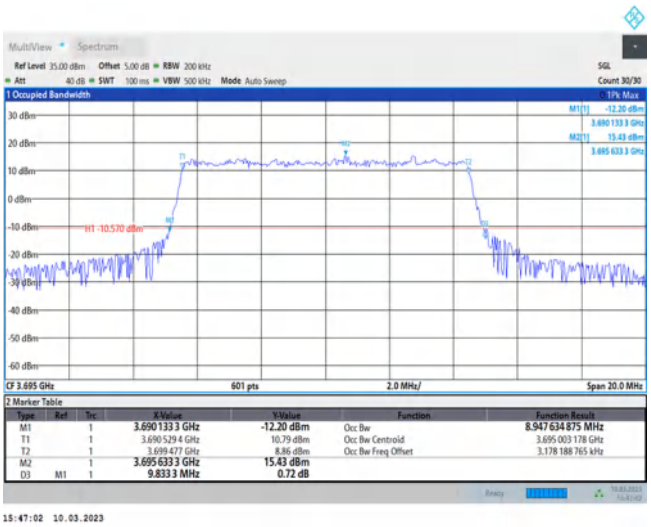

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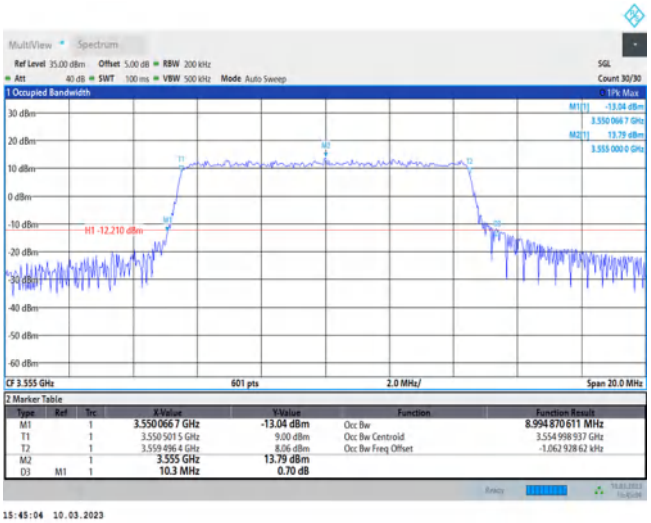
Band48-10MHz-64QAM-55290-50RB#0



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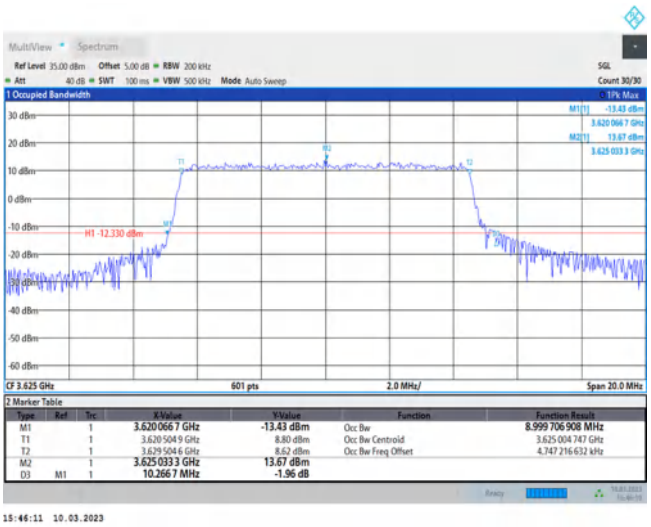

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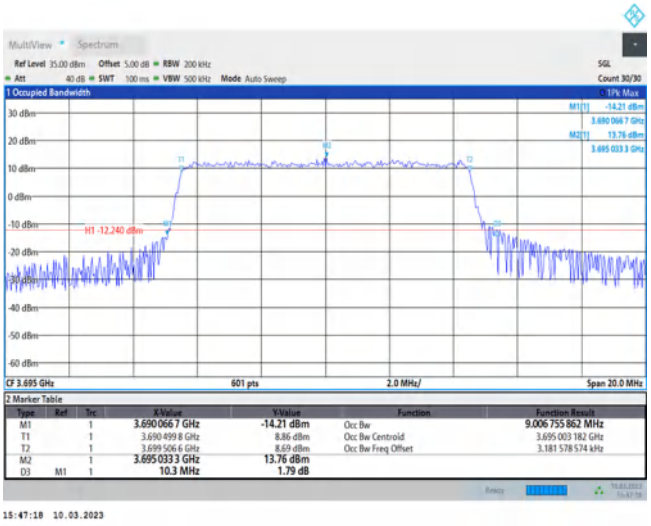
Band48-10MHz-64QAM-56690-50RB#0


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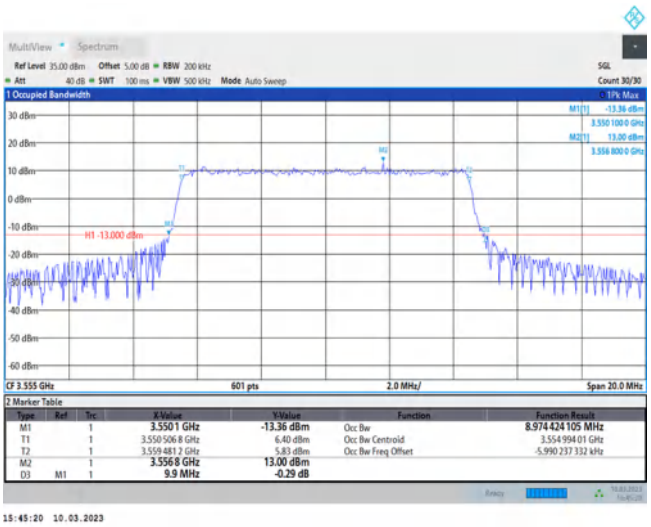

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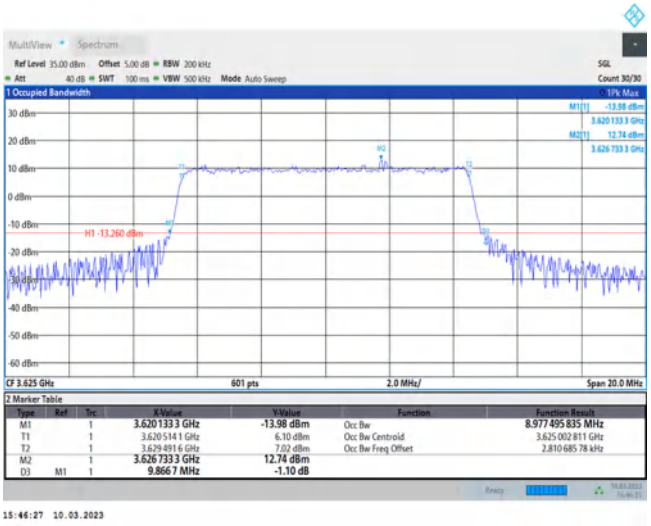
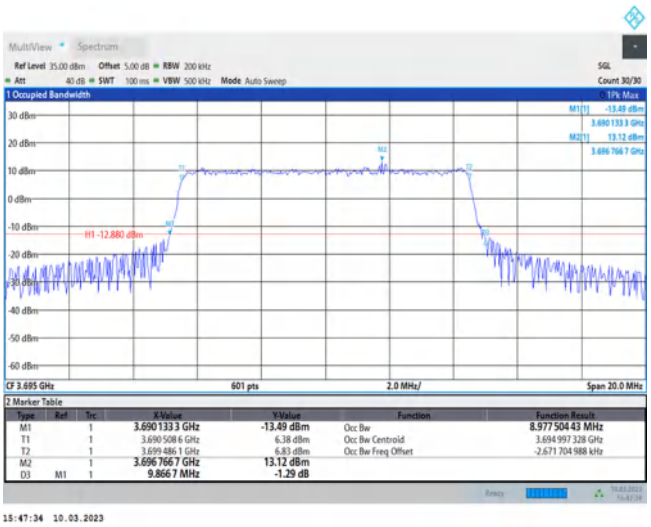
Band48-10MHz-256QAM-55990-50RB#0



Band48-10MHz-256QAM-56690-50RB#0



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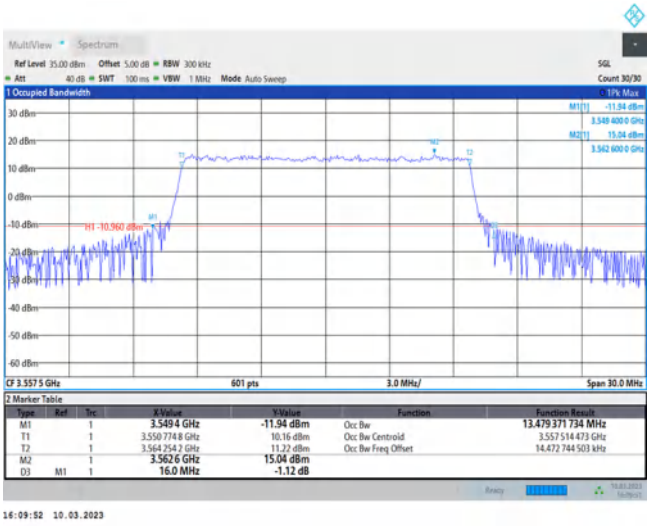
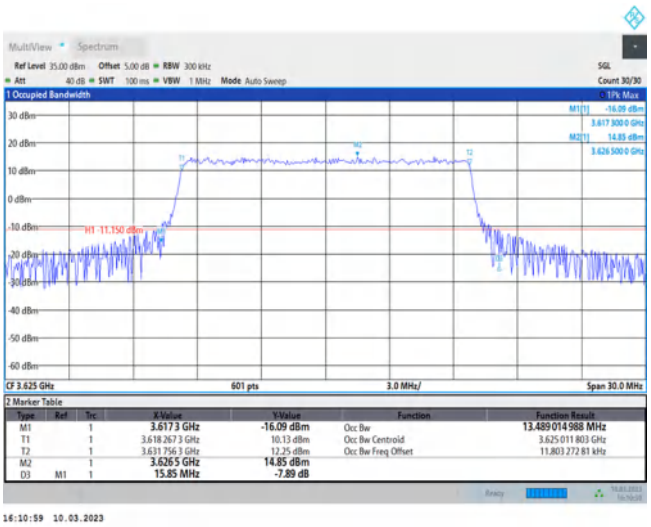
Band48-15MHz-QPSK-55315-75RB#0



Band48-15MHz-QPSK-55990-75RB#0



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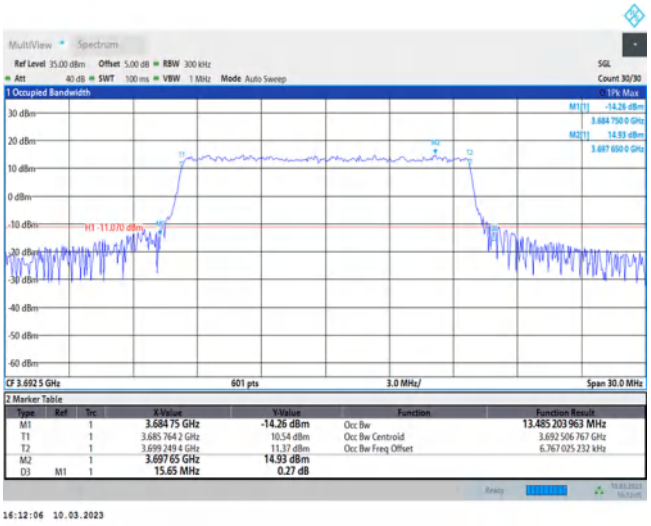
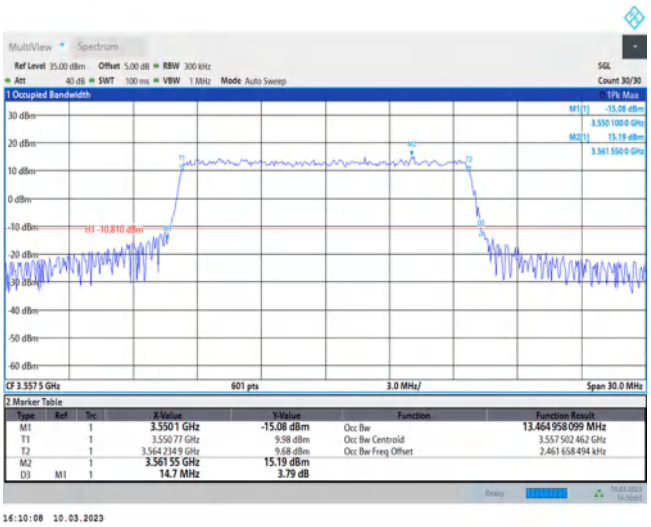
Band48-15MHz-QPSK-56665-75RB#0



Band48-15MHz-16QAM-55315-75RB#0



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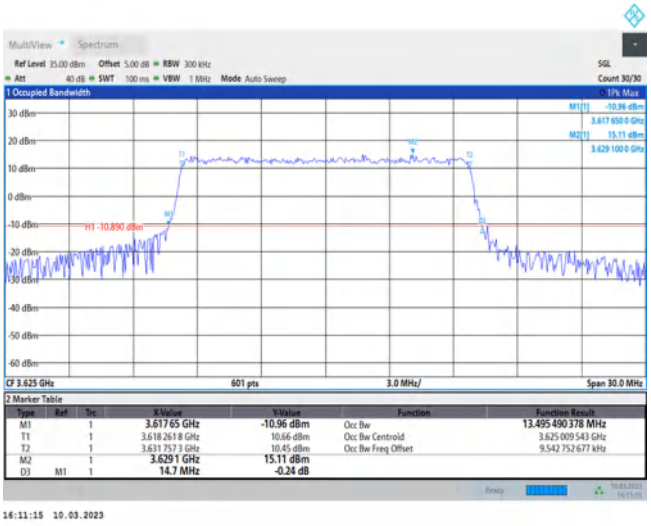
Band48-15MHz-16QAM-55990-75RB#0



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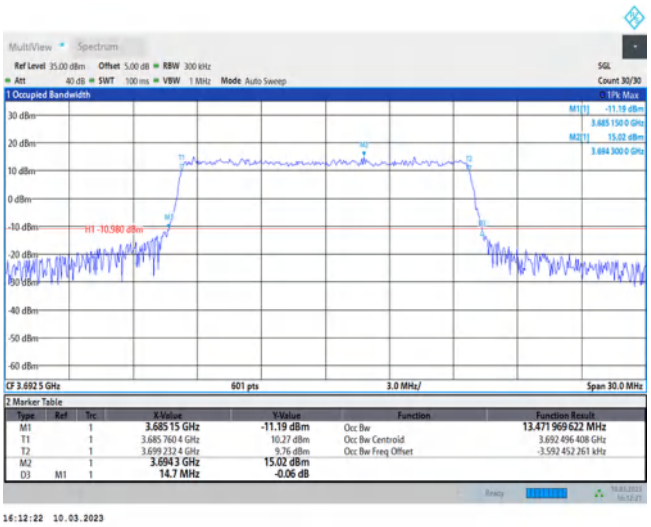

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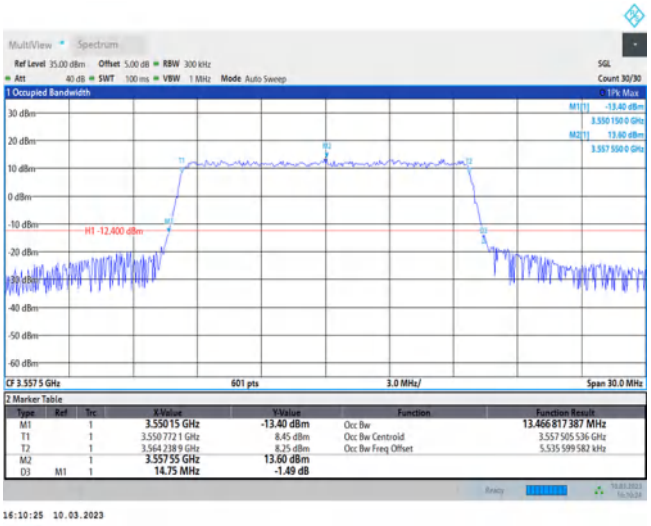
Band48-15MHz-64QAM-55315-75RB#0



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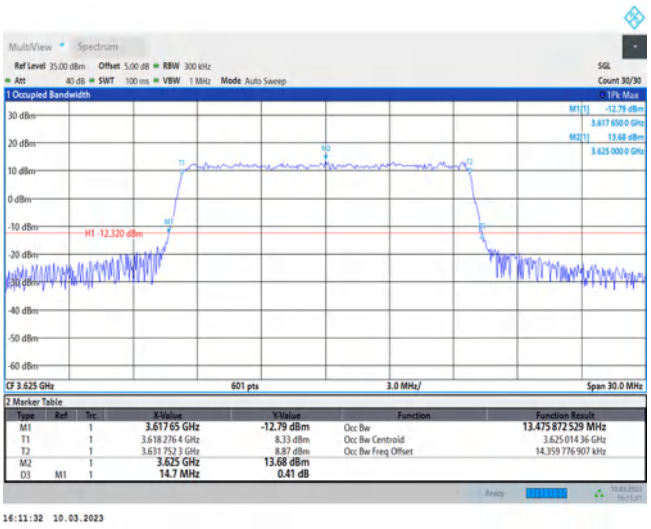

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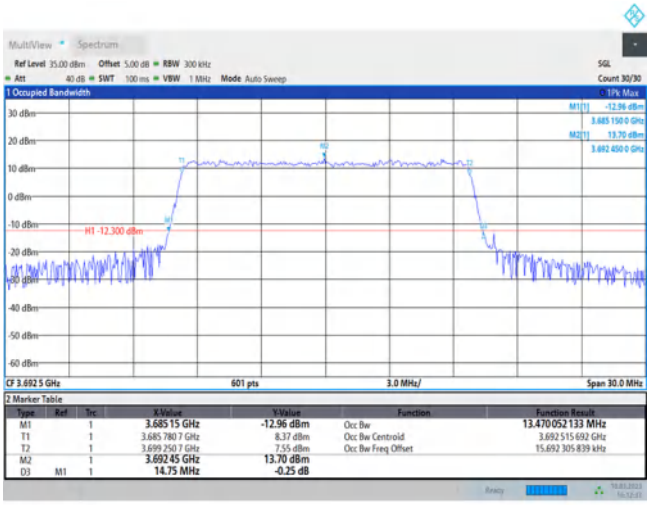
Band48-15MHz-64QAM-56665-75RB#0



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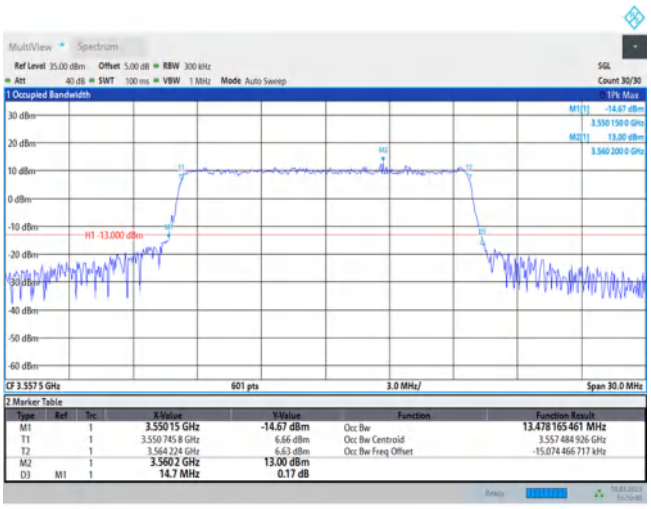

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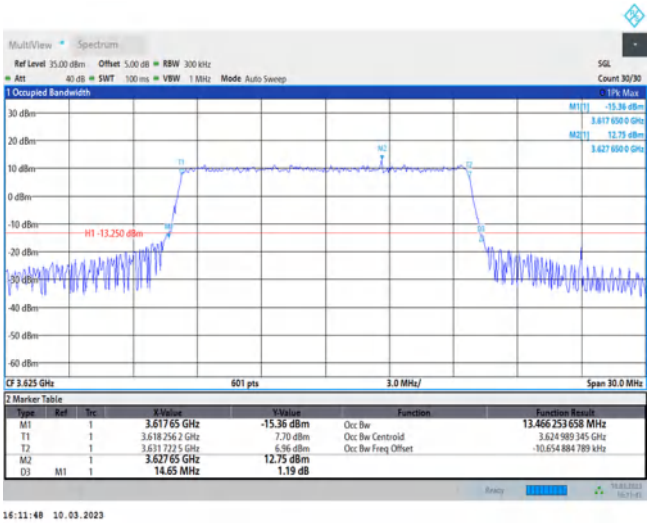
Band48-15MHz-256QAM-55990-75RB#0



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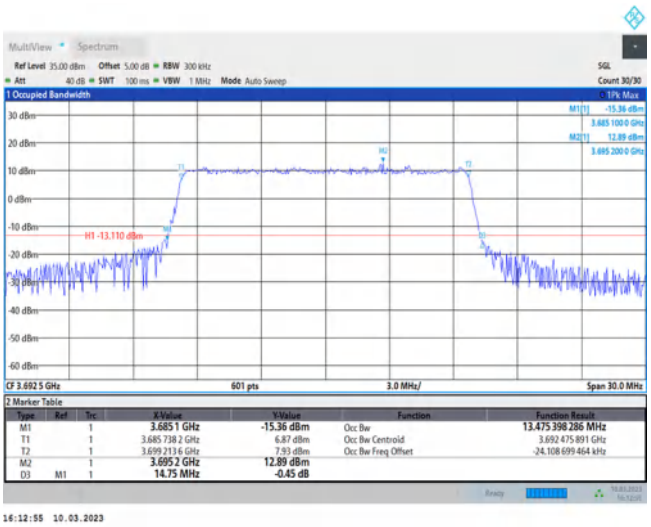

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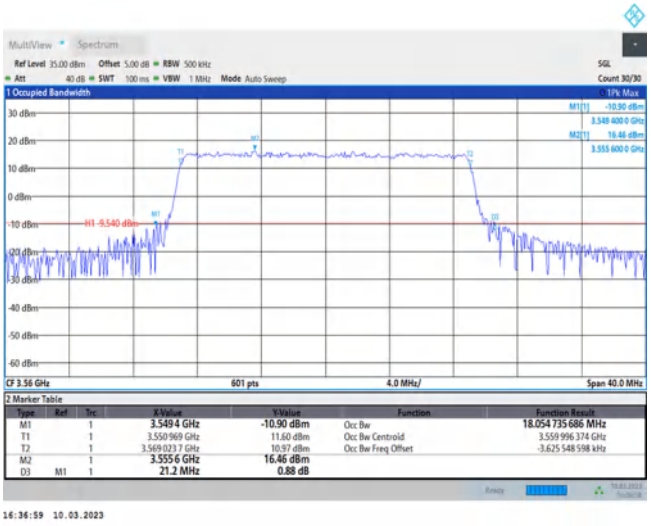
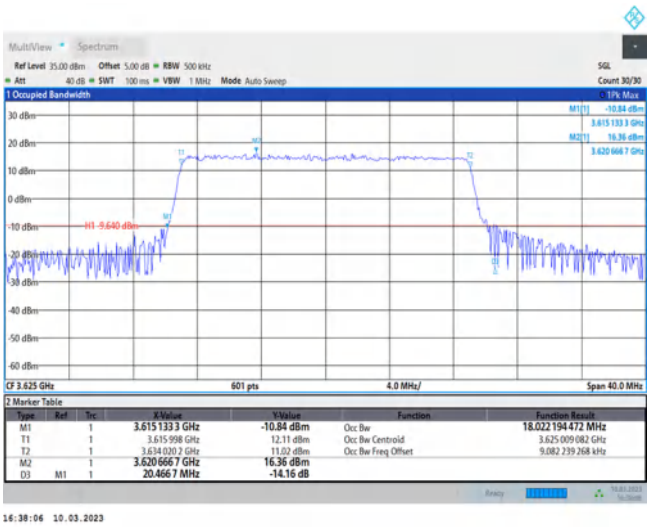


Band48-20MHz-QPSK-55990-100RB#0



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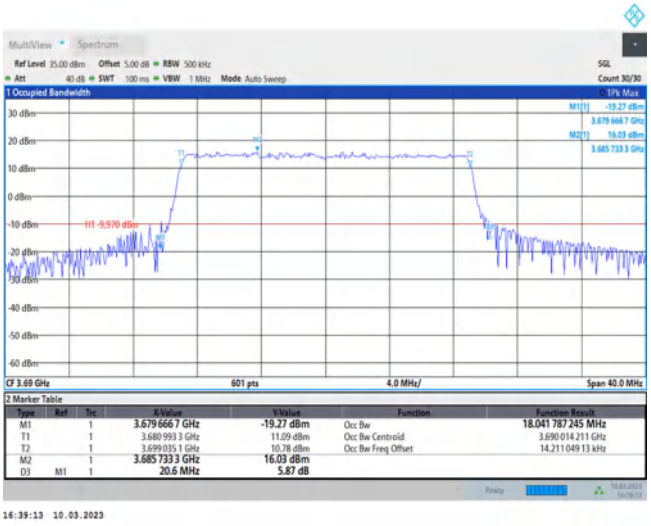
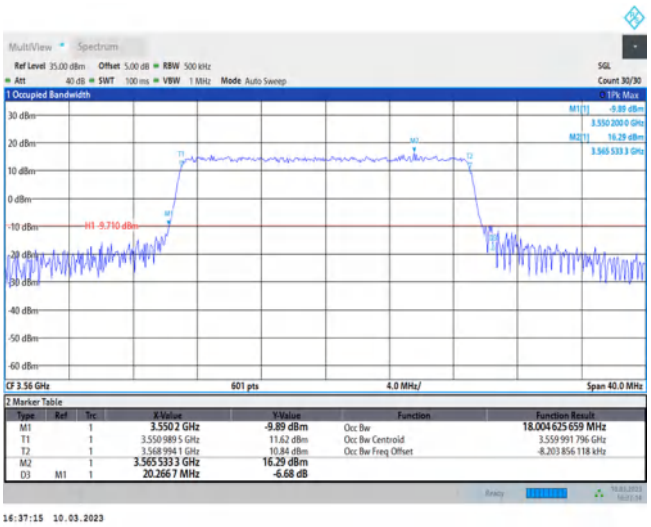
Band48-20MHz-QPSK-56640-100RB#0



Band48-20MHz-16QAM-55340-100RB#0



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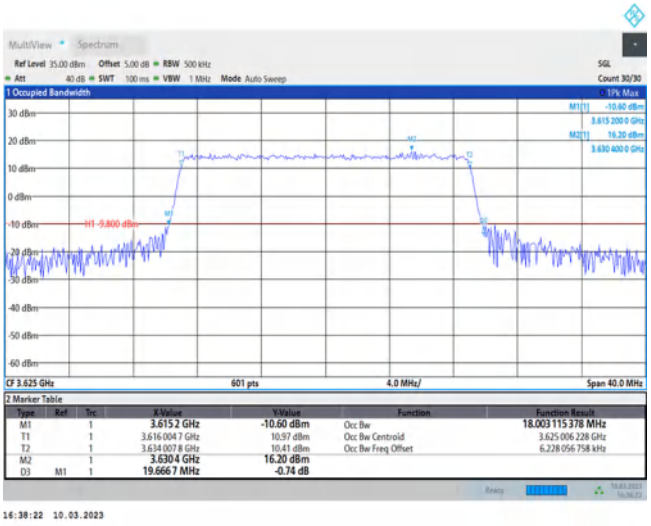
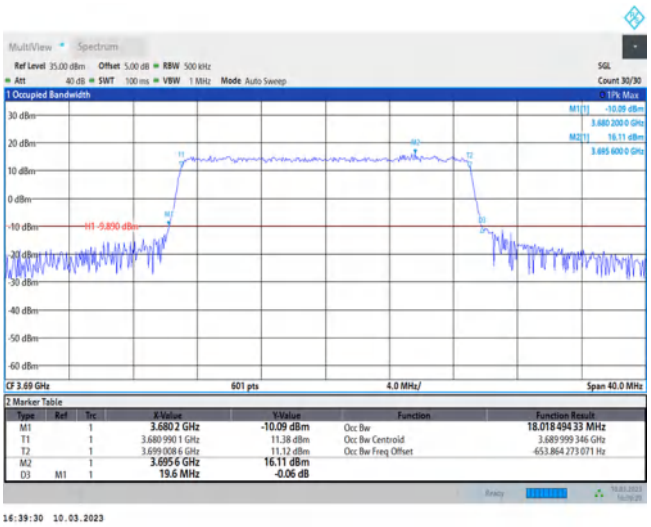
Band48-20MHz-16QAM-55990-100RB#0



Band48-20MHz-16QAM-56640-100RB#0



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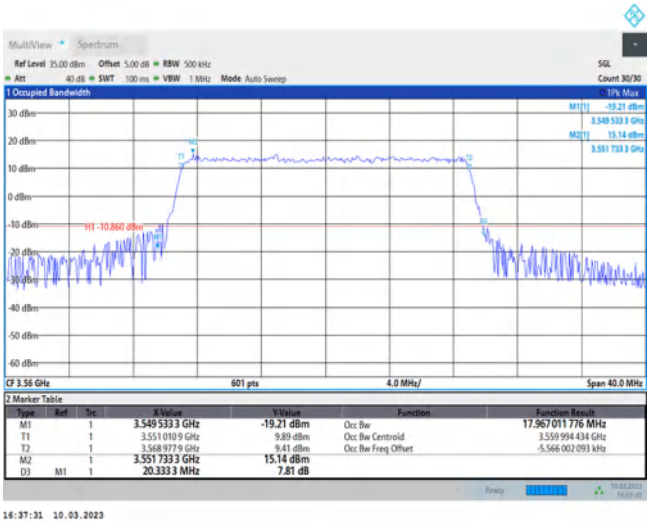
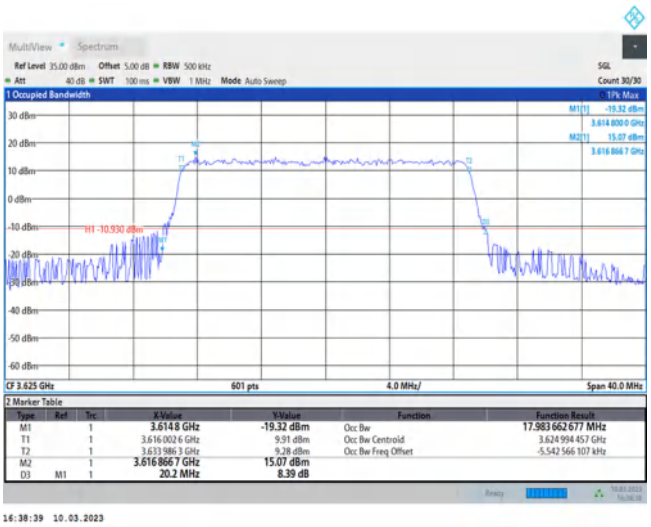
Band48-20MHz-64QAM-55340-100RB#0



Band48-20MHz-64QAM-55990-100RB#0



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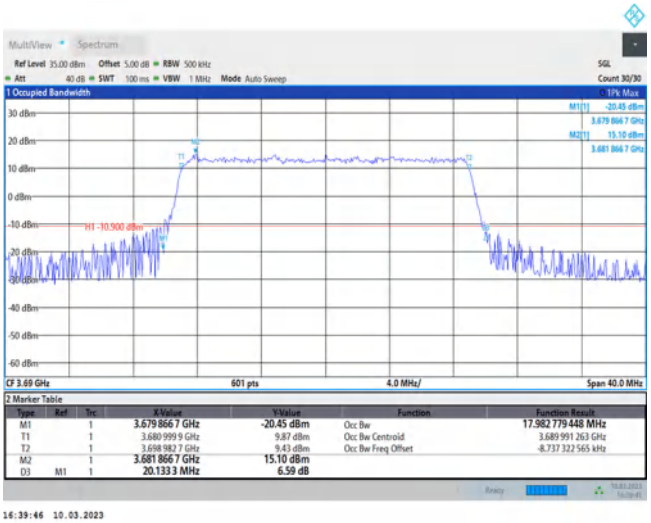
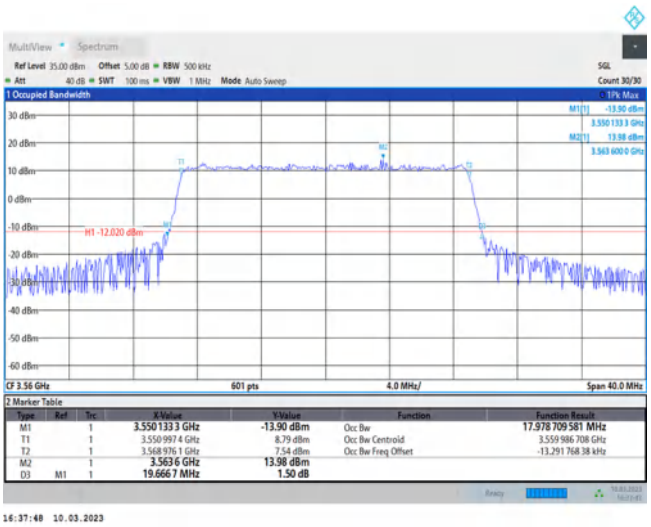
Band48-20MHz-64QAM-56640-100RB#0



Band48-20MHz-256QAM-55340-100RB#0



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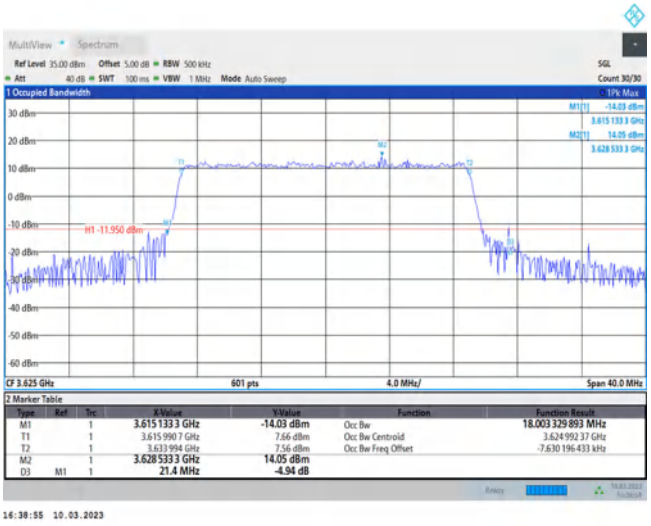
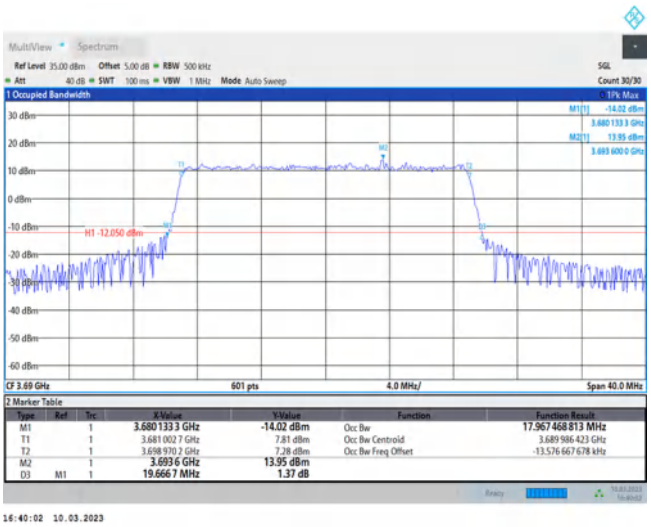
Band48-20MHz-256QAM-55990-100RB#0



Band48-20MHz-256QAM-56640-100RB#0



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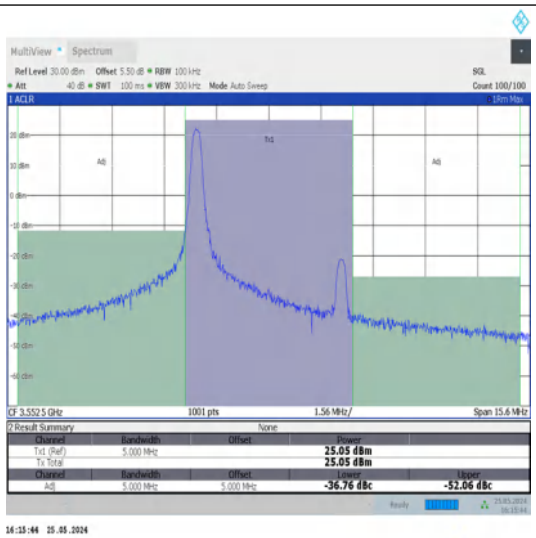
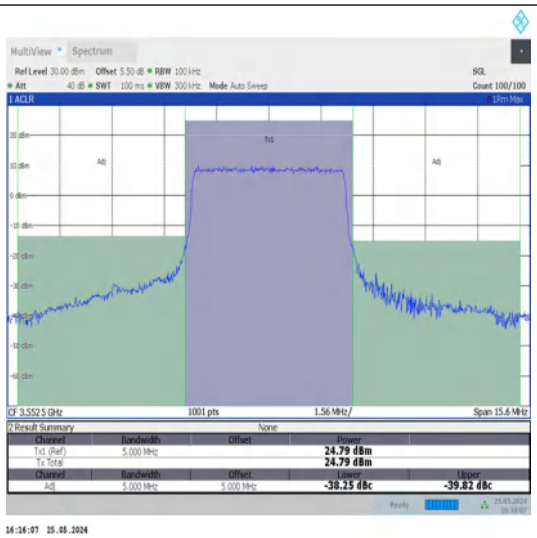
Adjacent channel leakage ratio

Test Graphs



Band48-5MHz-QPSK-55265-1RB#0-PASS



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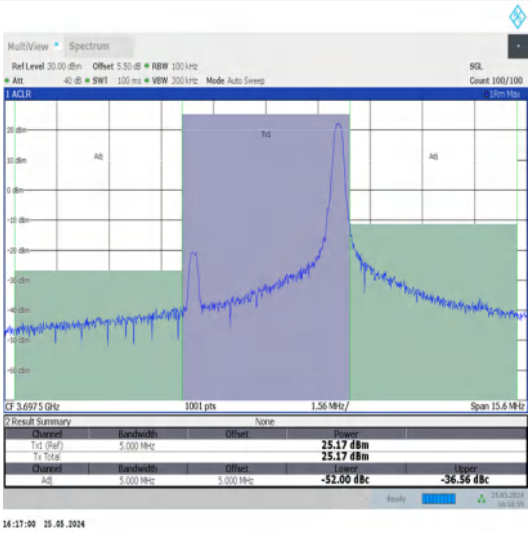

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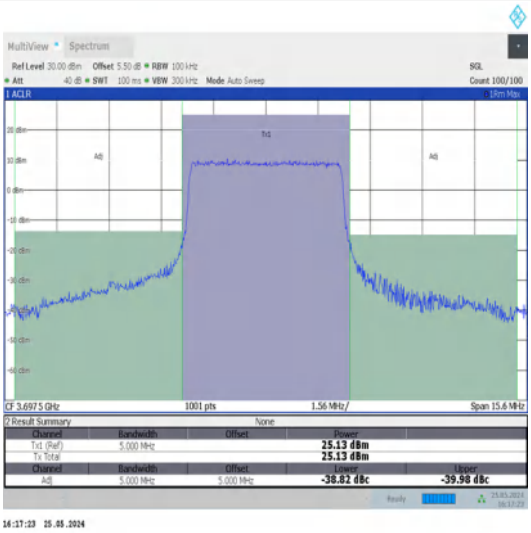

Band48-5MHz-QPSK-56715-25RB#0-PASS

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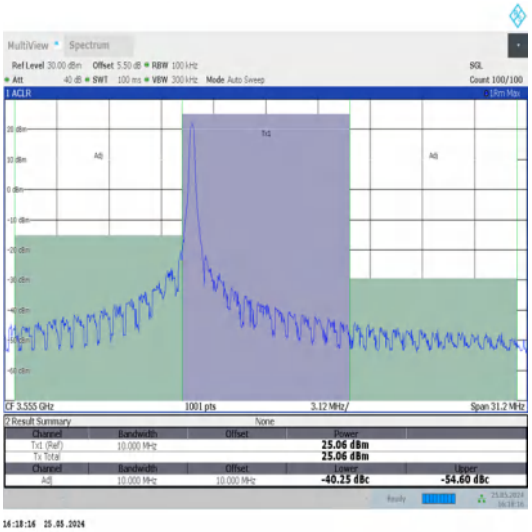
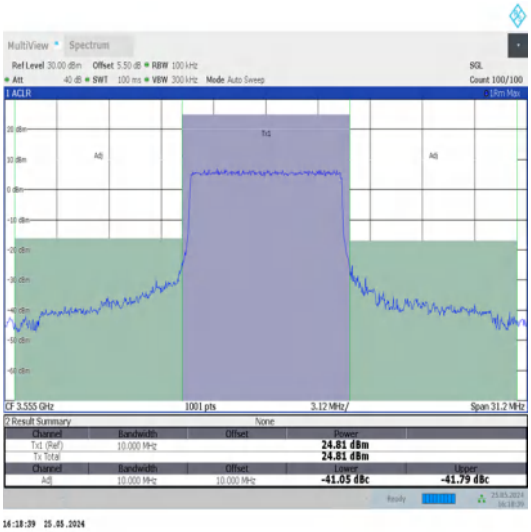


Band48-10MHz-QPSK-55290-1RB#0-PASS



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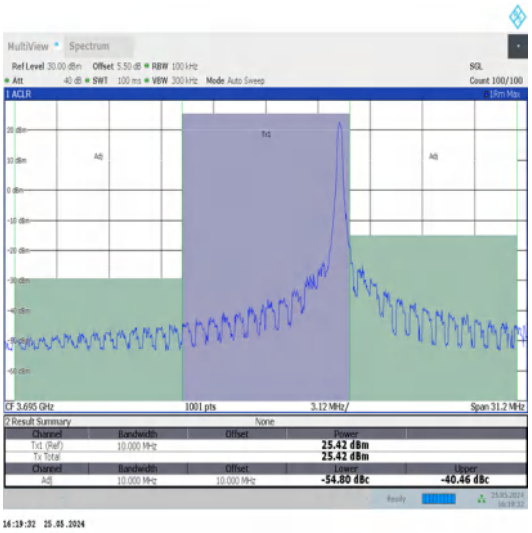
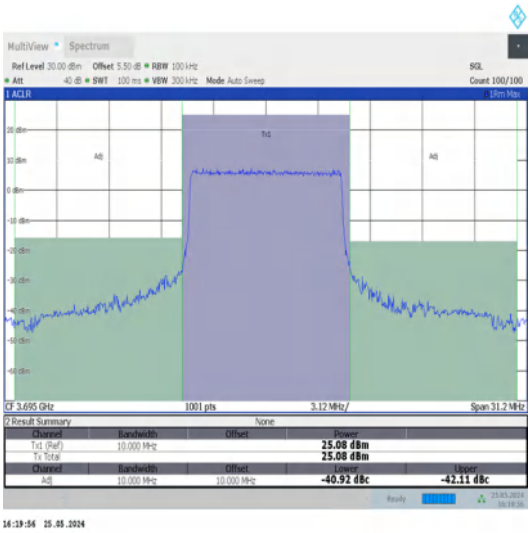


Band48-10MHz-QPSK-56690-1RB#49-PASS



Band48-10MHz-QPSK-56690-50RB#0-PASS

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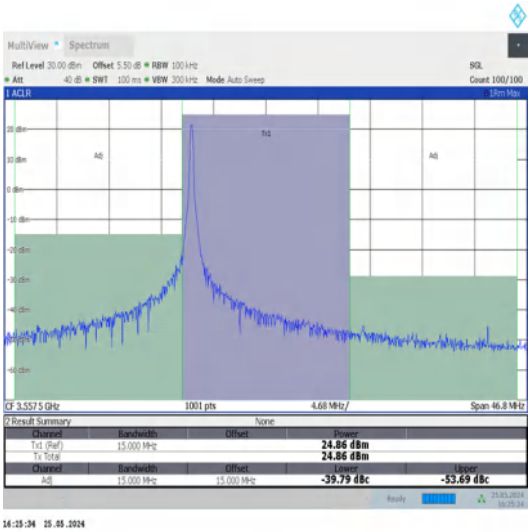

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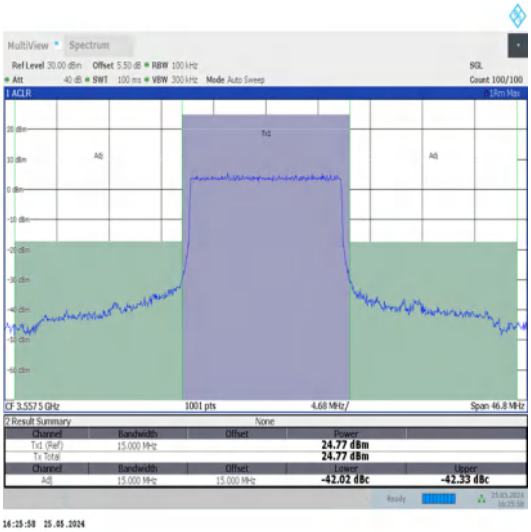

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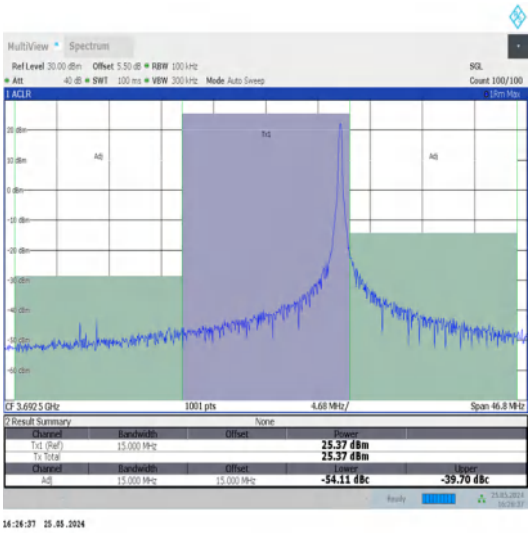
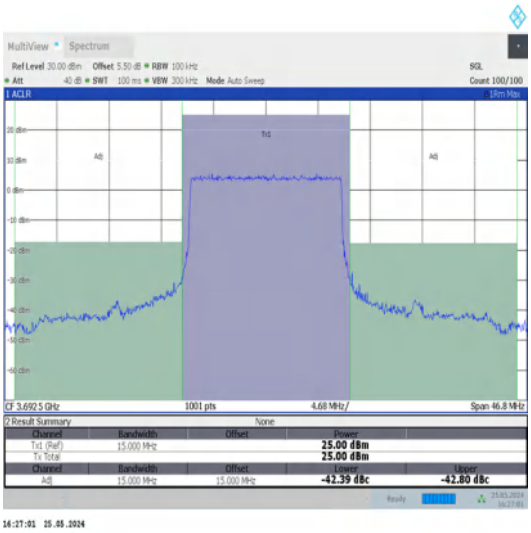


Band48-15MHz-QPSK-56665-1RB#74-PASS



Band48-15MHz-QPSK-56665-75RB#0-PASS

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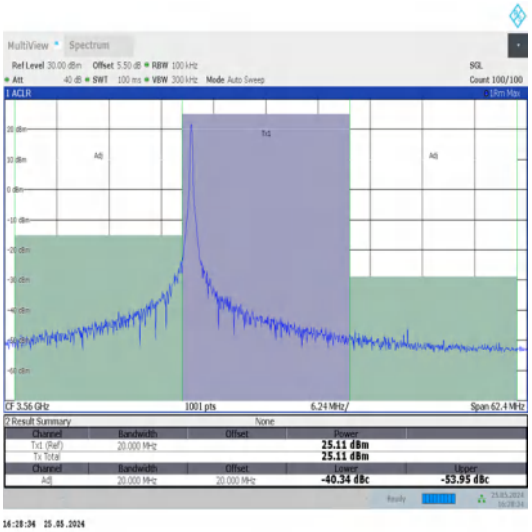

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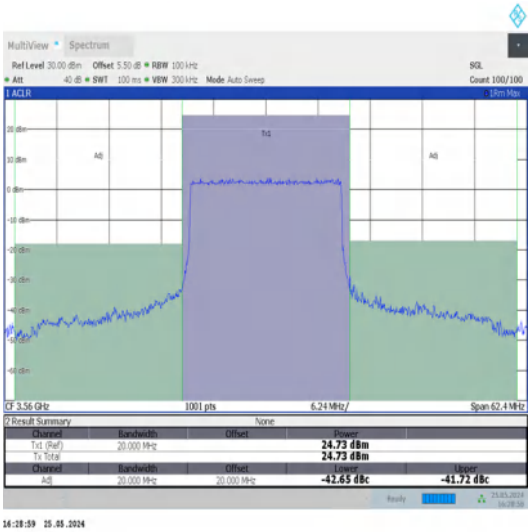

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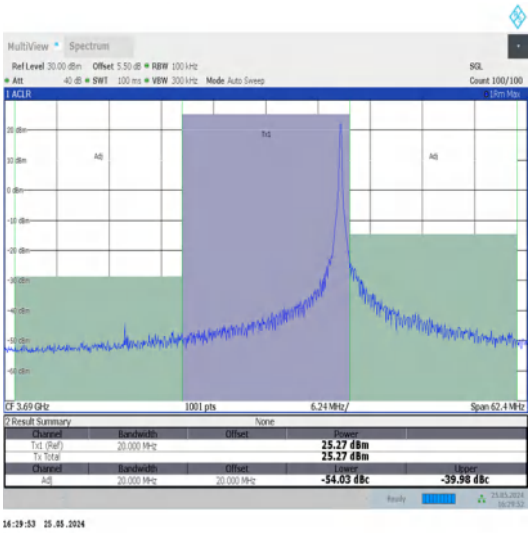

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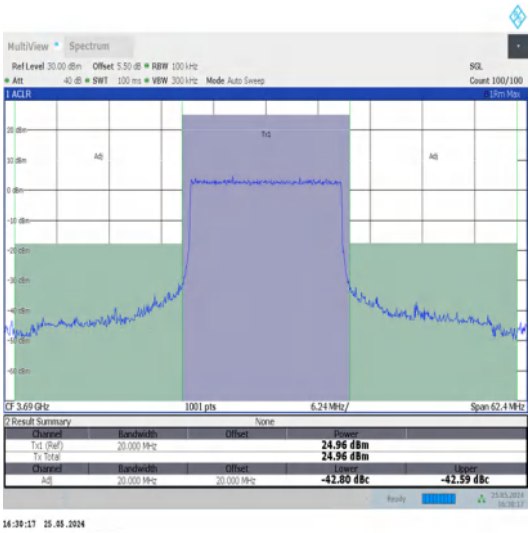

Band48-20MHz-QPSK-56640-100RB#0-PASS

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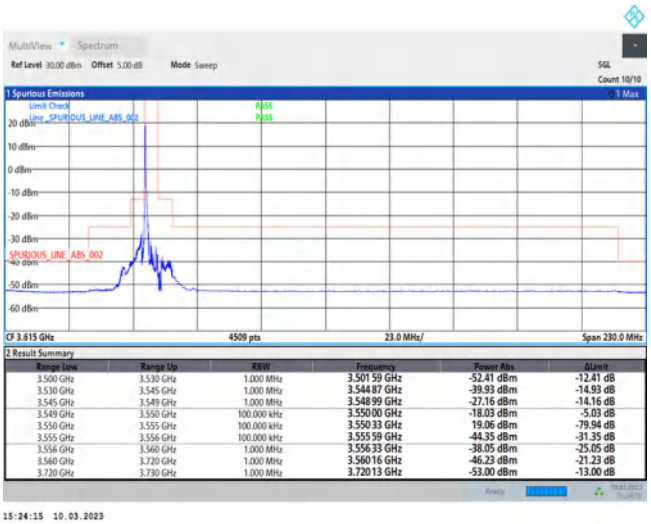
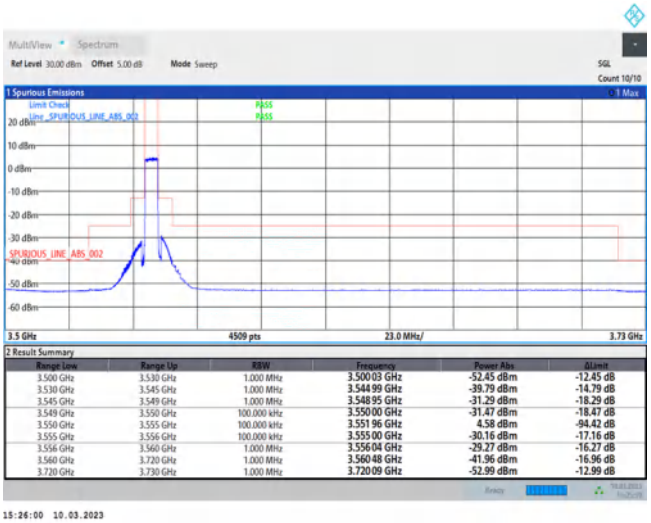
Band Edge

Test Graphs

Band48-5MHz-QPSK-55265-1RB#0



Band48-5MHz-QPSK-55265-25RB#0



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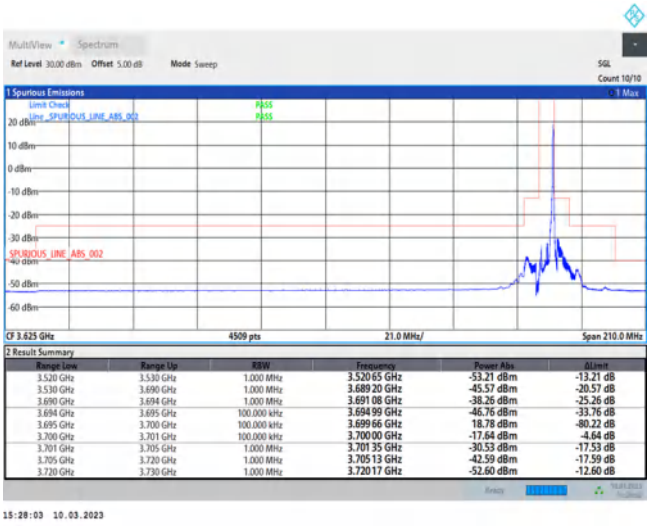
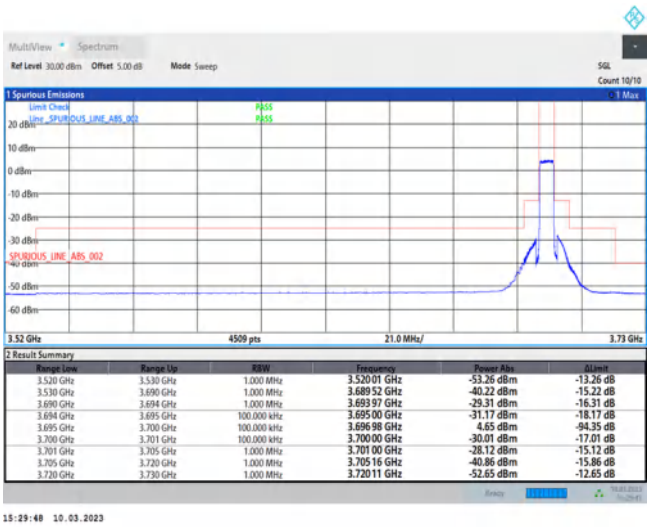
Band48-5MHz-QPSK-56715-1RB#24



Band48-5MHz-QPSK-56715-25RB#0



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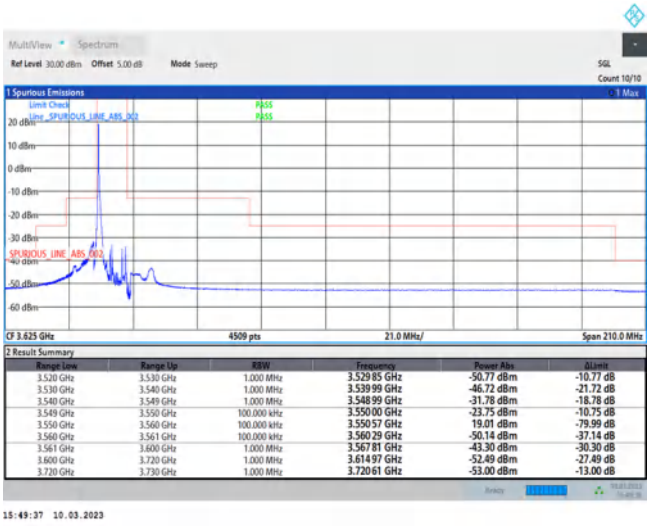
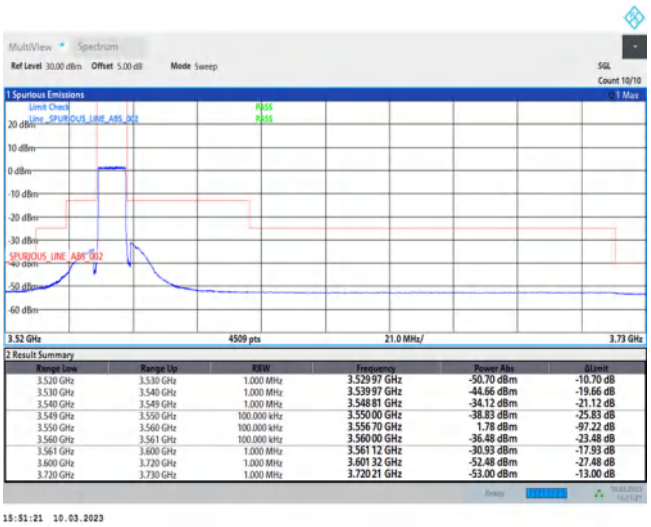
Band48-10MHz-QPSK-55290-1RB#0



Band48-10MHz-QPSK-55290-50RB#0



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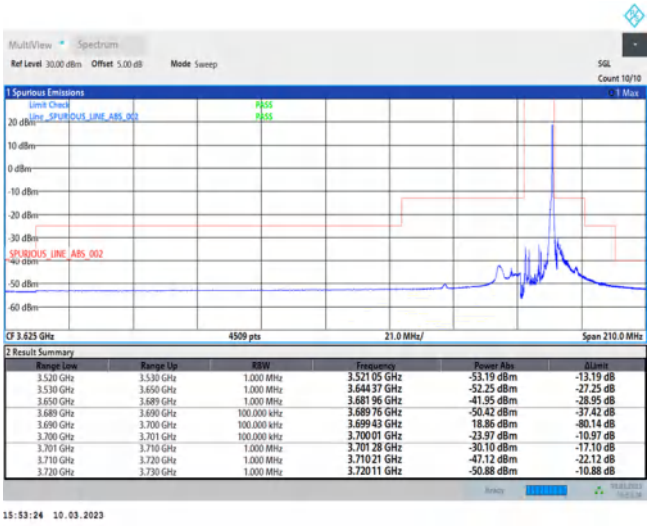
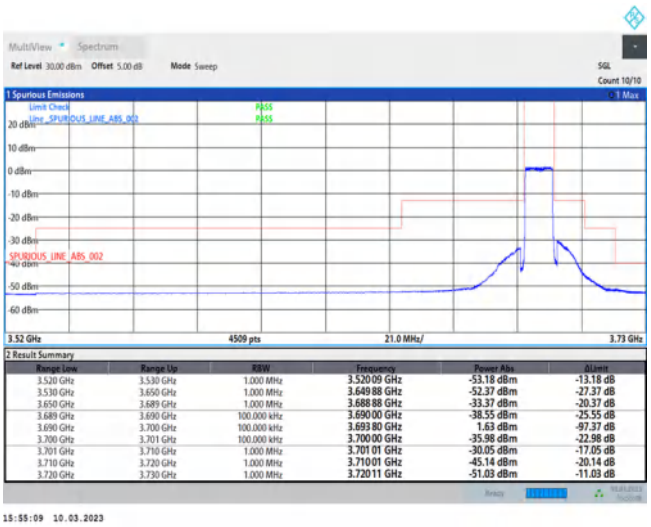
Band48-10MHz-QPSK-56690-1RB#49



Band48-10MHz-QPSK-56690-50RB#0



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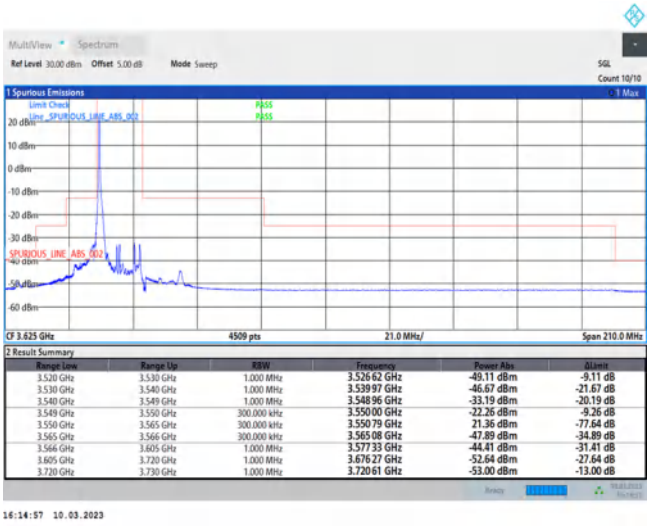
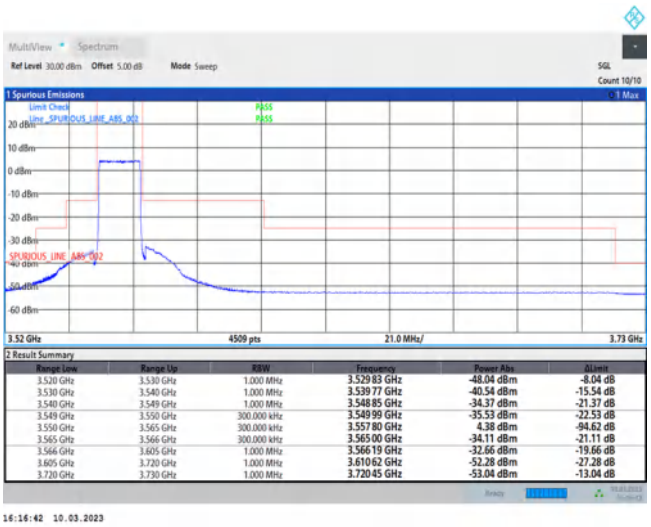
Band48-15MHz-QPSK-55315-1RB#0



Band48-15MHz-QPSK-55315-75RB#0



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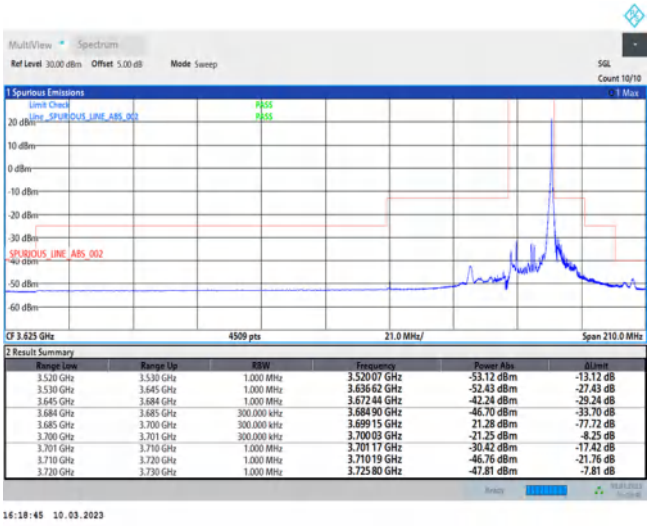
Band48-15MHz-QPSK-56665-1RB#74



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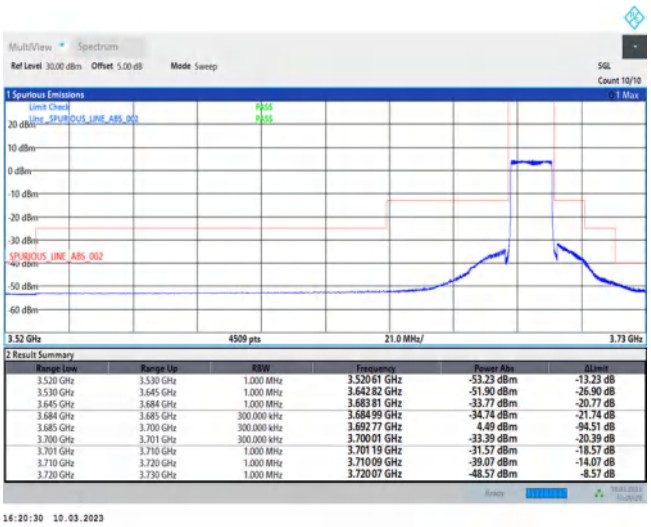

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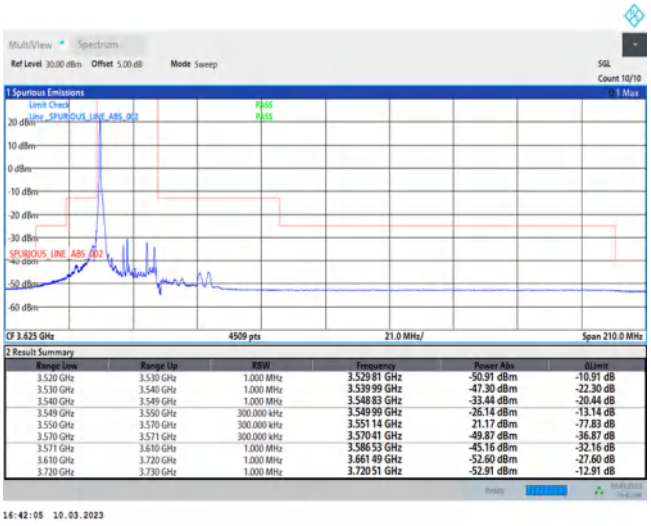
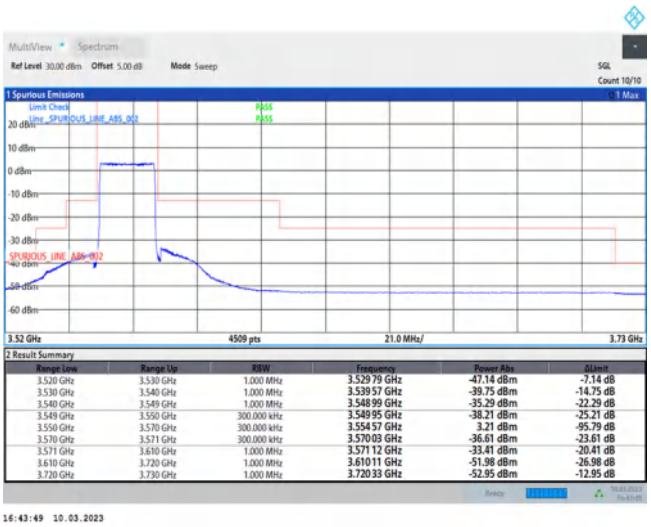
Band48-20MHz-QPSK-55340-1RB#0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.520 GHz	3.530 GHz	1.000 MHz	3.529 81 GHz	-50.91 dBm	-10.91 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.539 99 GHz	-47.30 dBm	-22.30 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.548 83 GHz	-33.44 dBm	-20.44 dB
3.549 GHz	3.550 GHz	300.000 kHz	3.549 99 GHz	-26.14 dBm	-13.14 dB
3.550 GHz	3.570 GHz	300.000 kHz	3.551 14 GHz	21.17 dBm	-77.83 dB
3.570 GHz	3.571 GHz	300.000 kHz	3.570 41 GHz	-49.87 dBm	-36.87 dB
3.571 GHz	3.610 GHz	1.000 MHz	3.586 53 GHz	-45.16 dBm	-32.16 dB
3.610 GHz	3.720 GHz	1.000 MHz	3.661 49 GHz	-52.60 dBm	-27.60 dB
3.720 GHz	3.730 GHz	1.000 MHz	3.720 51 GHz	-52.91 dBm	-12.91 dB

Band48-20MHz-QPSK-55340-100RB#0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.520 GHz	3.530 GHz	1.000 MHz	3.529 79 GHz	-47.14 dBm	-7.14 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.539 57 GHz	-39.75 dBm	-14.75 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.548 99 GHz	-35.29 dBm	-22.29 dB
3.549 GHz	3.550 GHz	300.000 kHz	3.549 95 GHz	-38.21 dBm	-25.21 dB
3.550 GHz	3.570 GHz	300.000 kHz	3.554 57 GHz	3.21 dBm	-95.79 dB
3.570 GHz	3.571 GHz	300.000 kHz	3.570 03 GHz	-36.61 dBm	-23.61 dB
3.571 GHz	3.610 GHz	1.000 MHz	3.571 12 GHz	-33.41 dBm	-20.41 dB
3.610 GHz	3.720 GHz	1.000 MHz	3.610 11 GHz	-51.98 dBm	-26.98 dB
3.720 GHz	3.730 GHz	1.000 MHz	3.720 33 GHz	-52.95 dBm	-12.95 dB

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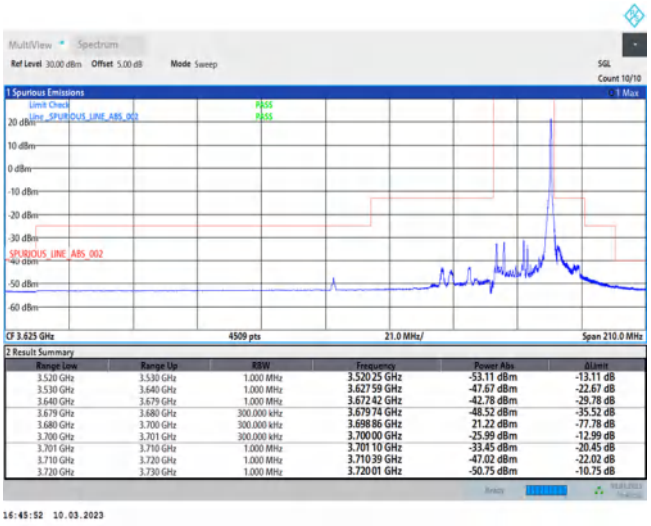
Band48-20MHz-QPSK-56640-1RB#99



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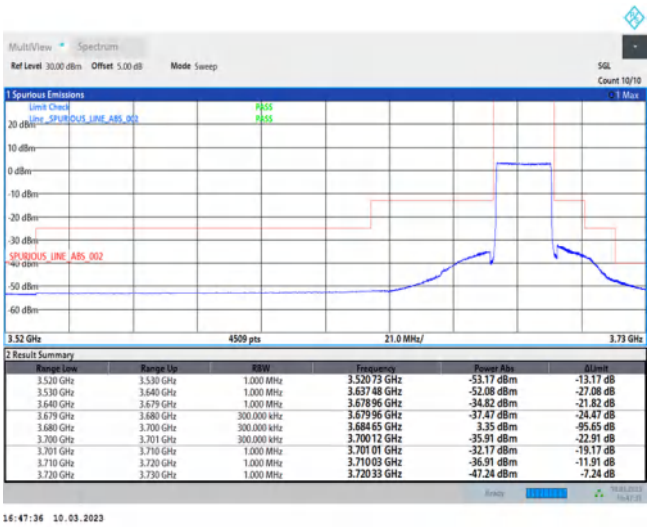

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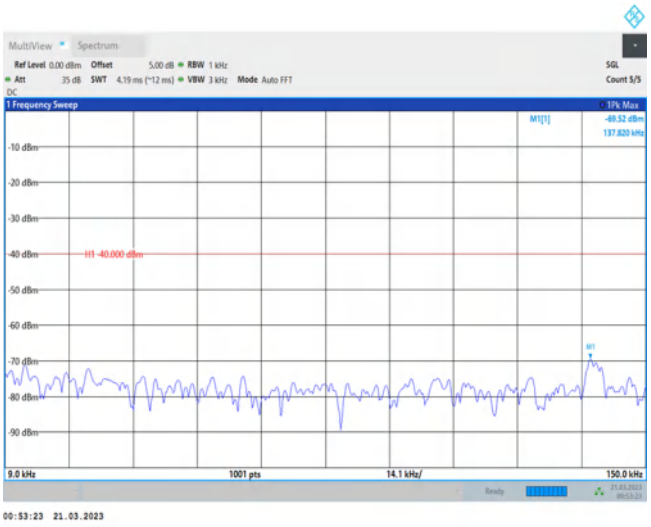
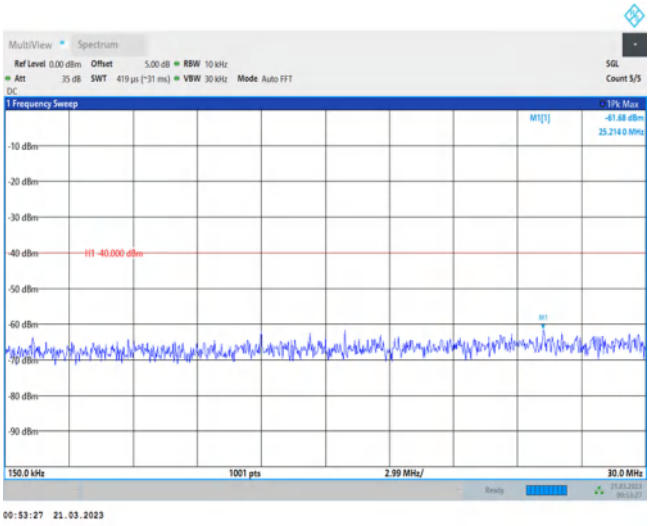
Conducted Spurious Emission

Test Graphs

Band48-20MHz-QPSK-55340-1RB#0-Range1:0.009~0.15MHz



Band48-20MHz-QPSK-55340-1RB#0-Range2:0.15~30MHz



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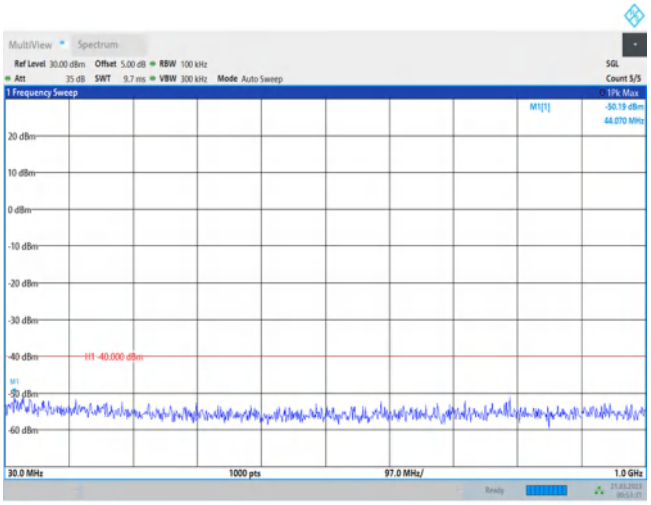
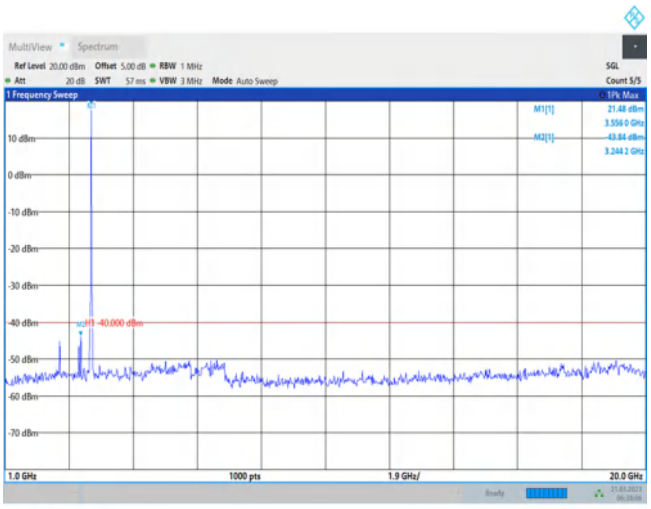
Band48-20MHz-QPSK-55340-1RB#0-Range3:30~1000MHz



Band48-20MHz-QPSK-55340-1RB#0-Range4:1000~20000MHz



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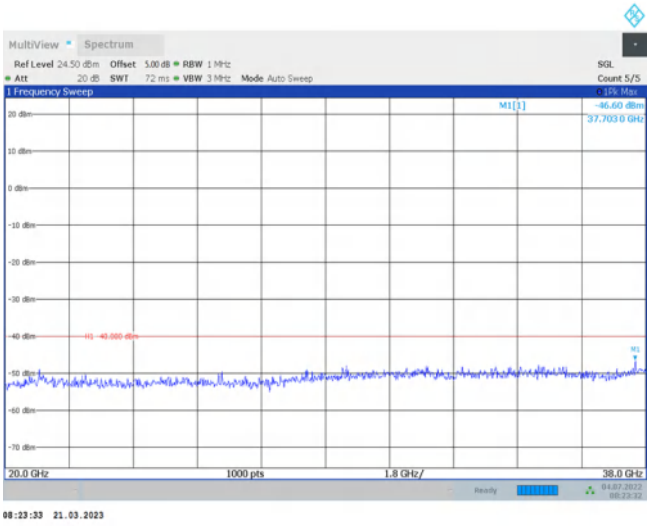
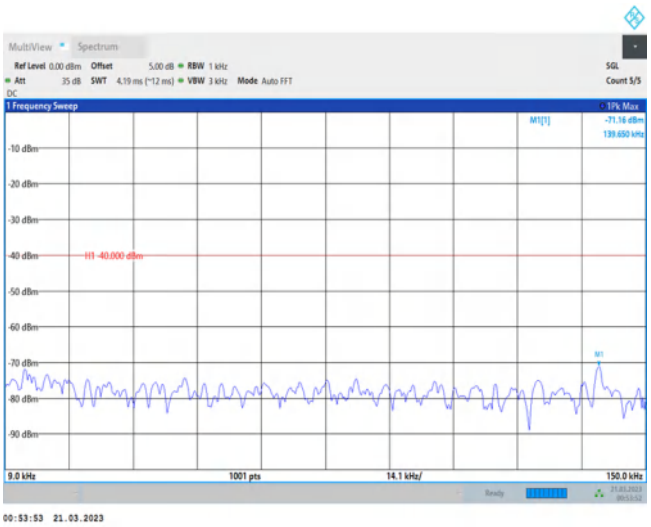
Band48-20MHz-QPSK-55340-1RB#0-Range5:20000~38000MHz



Band48-20MHz-QPSK-55990-1RB#0-Range1:0.009~0.15MHz



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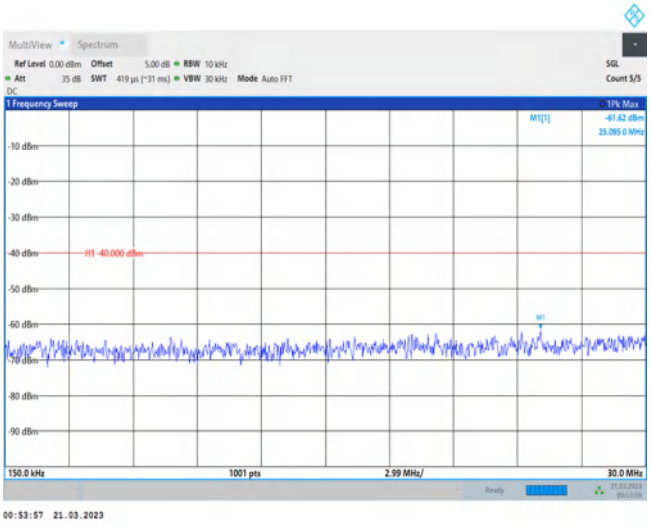
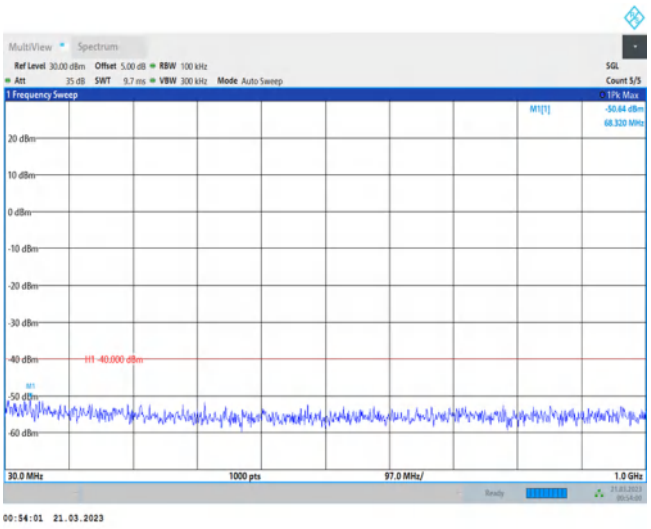
Band48-20MHz-QPSK-55990-1RB#0-Range2:0.15~30MHz


Band48-20MHz-QPSK-55990-1RB#0-Range3:30~1000MHz


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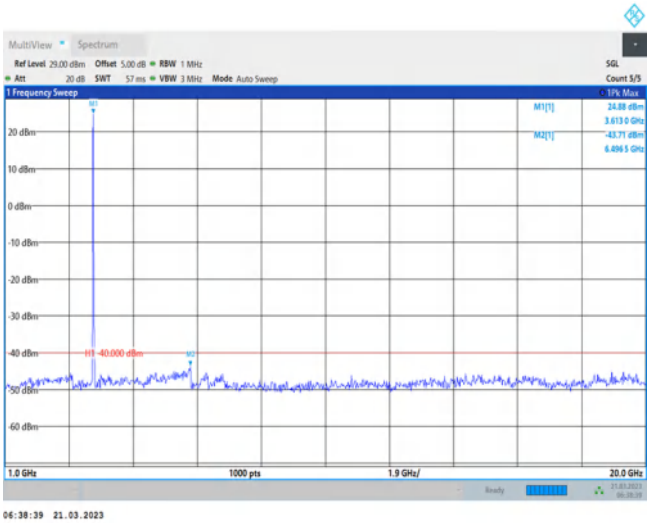
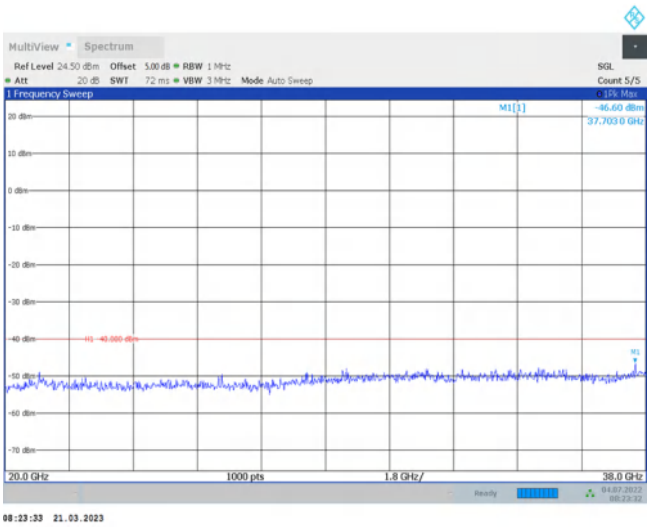
Band48-20MHz-QPSK-55990-1RB#0-Range4:1000~20000MHz



Band48-20MHz-QPSK-55990-1RB#0-Range5:20000~38000MHz



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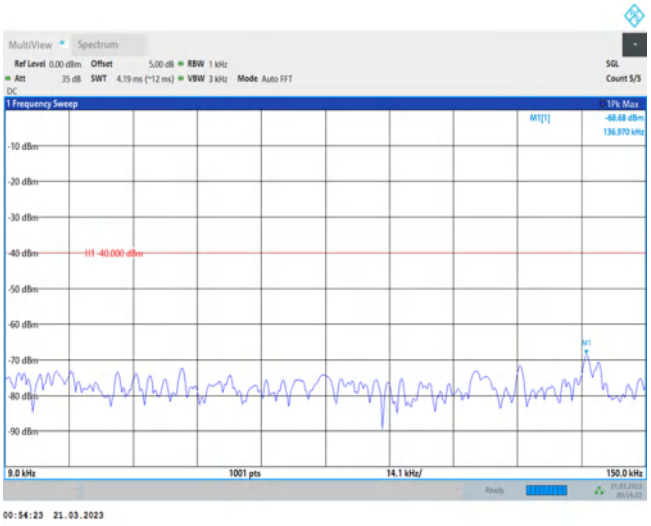
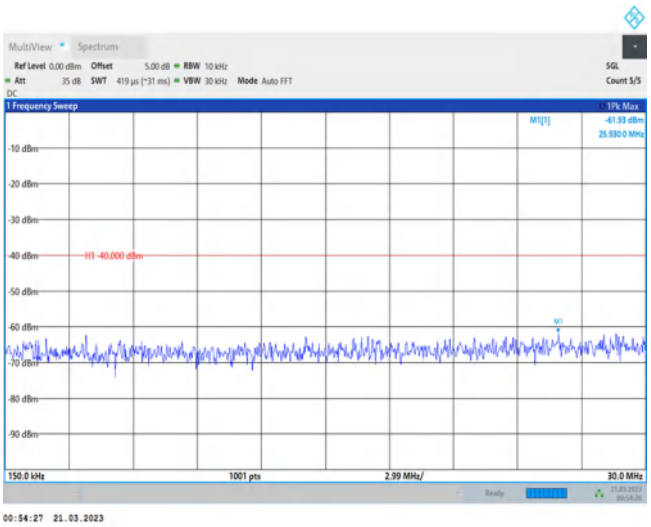
Band48-20MHz-QPSK-56640-1RB#0-Range1:0.009~0.15MHz



Band48-20MHz-QPSK-56640-1RB#0-Range2:0.15~30MHz



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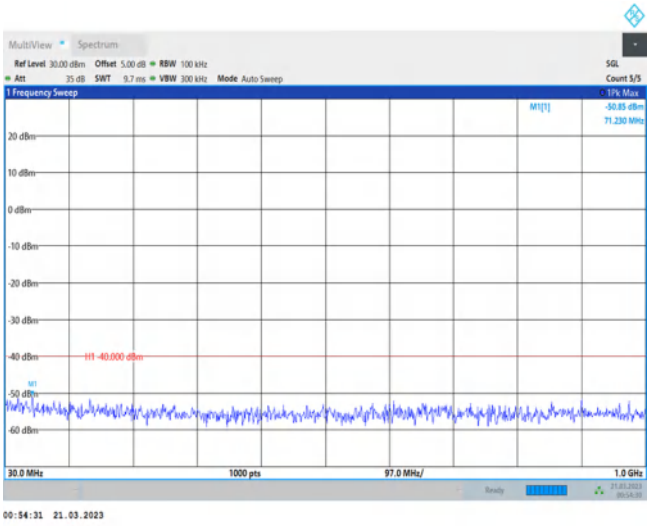
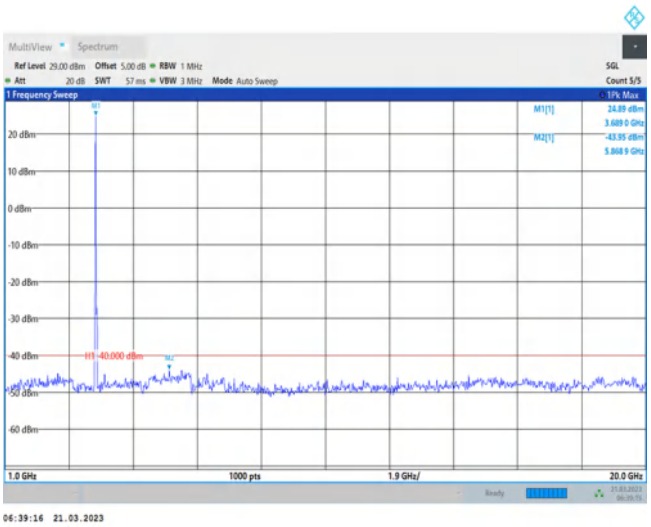
Band48-20MHz-QPSK-56640-1RB#0-Range3:30~1000MHz



Band48-20MHz-QPSK-56640-1RB#0-Range4:1000~20000MHz



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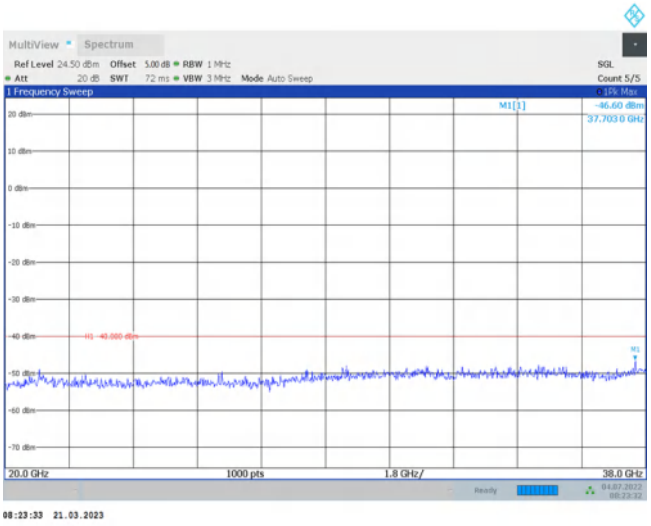
Band48-20MHz-QPSK-56640-1RB#0-Range5:20000~38000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band48 _20MHz_3550-3700_ 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	7343.525	44.44	-43.09	36.52	-57.39	-13.00	44.39	284	240	Horizontal
2	7656.325	42.74	-42.86	36.50	-58.88	-13.00	45.88	174	227	Horizontal
3	8852.9	39.27	-41.02	38.11	-58.90	-13.00	45.90	185	14	Horizontal
4	10664.725	35.32	-37.67	39.11	-58.50	-13.00	45.50	169	179	Horizontal
5	12163.175	34.06	-37.14	39.10	-59.24	-13.00	46.24	153	271	Horizontal
6	14492.5	32.98	-34.29	40.02	-56.56	-13.00	43.56	146	359	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	7343.525	47.46	-43.09	36.52	-54.37	-13.00	41.37	125	209	Vertical
2	7656.325	44.81	-42.86	36.50	-56.81	-13.00	43.81	148	344	Vertical
3	7968.55	44.30	-42.32	36.97	-56.31	-13.00	43.31	178	353	Vertical
4	11233.4	34.68	-36.81	39.11	-58.28	-13.00	45.28	198	14	Vertical
5	14218.8	35.13	-35.41	40.22	-55.33	-13.00	42.33	145	166	Vertical
6	17031.125	38.81	-33.71	38.52	-51.65	-13.00	38.65	153	29	Vertical

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Test Band = LTE Band48 _20MHz_3550-3700_ 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	7343.525	44.97	-43.09	36.52	-56.86	-13.00	43.86	125	225	Horizontal
2	7656.325	42.73	-42.86	36.50	-58.89	-13.00	45.89	148	46	Horizontal
3	8799.425	39.22	-41.14	38.08	-59.10	-13.00	46.10	175	330	Horizontal
4	11229.375	34.82	-36.79	39.11	-58.12	-13.00	45.12	136	239	Horizontal
5	13695.55	33.94	-35.99	40.06	-57.25	-13.00	44.25	256	90	Horizontal
6	15775.325	32.02	-33.11	38.23	-58.12	-13.00	45.12	291	194	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	7343.525	46.27	-43.09	36.52	-55.56	-13.00	42.56	125	209	Vertical
2	7656.325	45.16	-42.86	36.50	-56.46	-13.00	43.46	142	344	Vertical
3	7968.55	44.22	-42.32	36.97	-56.39	-13.00	43.39	136	358	Vertical
4	10780.875	36.28	-38.28	39.20	-58.06	-13.00	45.06	259	317	Vertical
5	11406.475	35.27	-37.45	39.10	-58.33	-13.00	45.33	199	165	Vertical
6	17031.125	39.33	-33.71	38.52	-51.13	-13.00	38.13	184	29	Vertical

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Member of the SGS Group (SGS SA)

Test Band = LTE Band48 _20MHz_3550-3700_ 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	7343.525	45.30	-43.09	36.52	-56.53	-13.00	43.53	258	225	Horizontal
2	7656.325	44.84	-42.86	36.50	-56.78	-13.00	43.78	174	224	Horizontal
3	8810.35	39.55	-41.12	38.09	-58.74	-13.00	45.74	122	360	Horizontal
4	10717.05	34.59	-37.66	39.15	-59.17	-13.00	46.17	261	225	Horizontal
5	12810.625	33.47	-36.65	39.64	-58.80	-13.00	45.80	154	207	Horizontal
6	14497.675	32.21	-34.25	40.01	-57.29	-13.00	44.29	153	72	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	7343.525	46.51	-43.09	36.52	-55.32	-13.00	42.32	125	209	Vertical
2	7656.325	45.55	-42.86	36.50	-56.07	-13.00	43.07	146	344	Vertical
3	7968.55	44.03	-42.32	36.97	-56.58	-13.00	43.58	199	331	Vertical
4	11093.675	35.50	-37.74	39.09	-58.41	-13.00	45.41	184	360	Vertical
5	14218.8	33.99	-35.41	40.22	-56.47	-13.00	43.47	175	166	Vertical
6	17031.125	39.43	-33.71	38.52	-51.03	-13.00	38.03	136	29	Vertical

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Member of the SGS Group (SGS SA)

Test Band = LTE 2A_48A_ 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	3702	48.33	-45.51	29.98	-62.46	-13.00	49.46	158	90	Horizontal
2	5553	46.78	-45.15	32.97	-60.66	-13.00	47.66	249	4	Horizontal
3	7404.3600	52.95	-43.40	36.49	-49.22	-13.00	36.22	156	344	Horizontal
4	10653.2700	32.48	-38.15	39.10	-61.83	-13.00	48.83	235	61	Horizontal
5	14204.3600	29.90	-35.34	40.23	-60.48	-13.00	47.48	187	256	Horizontal
6	17755.4500	32.89	-34.36	40.53	-56.20	-13.00	43.20	216	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	3702	53.94	-45.51	29.98	-56.85	-13.00	43.85	227	90	Vertical
2	5553	54.51	-45.15	32.97	-52.93	-13.00	39.93	149	289	Vertical
3	7404.3600	63.81	-43.40	36.49	-38.36	-13.00	25.36	268	304	Vertical
4	10653.2700	33.18	-38.15	39.10	-61.13	-13.00	48.13	257	150	Vertical
5	14204.3600	29.64	-35.34	40.23	-60.74	-13.00	47.74	146	213	Vertical
6	17755.4500	32.37	-34.36	40.53	-56.72	-13.00	43.72	203	16	Vertical

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Test Band = LTE 2A_48A_ 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	3742.1800	46.30	-45.68	30.12	-64.52	-13.00	51.52	228	310	Horizontal
2	5613	47.56	-45.04	33.07	-59.67	-13.00	46.67	179	359	Horizontal
3	7484.25	52.25	-43.18	36.45	-49.74	-13.00	36.74	259	349	Horizontal
4	10848.2700	32.26	-38.22	39.18	-62.04	-13.00	49.04	264	82	Horizontal
5	14464.3600	28.89	-34.83	40.03	-61.16	-13.00	48.16	132	360	Horizontal
6	16973.25	32.56	-33.51	38.49	-57.73	-13.00	44.73	158	248	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	3742.1800	49.63	-45.68	30.12	-61.19	-13.00	48.19	258	72	Vertical
2	5613	55.33	-45.04	33.07	-51.90	-13.00	38.90	165	314	Vertical
3	7484.25	62.91	-43.18	36.45	-39.08	-13.00	26.08	227	105	Vertical
4	10848.2700	32.69	-38.22	39.18	-61.61	-13.00	48.61	145	269	Vertical
5	14464.3600	29.26	-34.83	40.03	-60.79	-13.00	47.79	229	344	Vertical
6	17190.75	33.67	-34.94	38.60	-57.93	-13.00	44.93	262	3	Vertical

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Test Band = LTE 2A_48A_ 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	3782.1800	47.45	-45.85	30.27	-63.39	-13.00	50.39	175	312	Horizontal
2	5673.2700	47.90	-44.91	33.29	-58.98	-13.00	45.98	153	359	Horizontal
3	7564.3600	51.12	-43.00	36.41	-50.74	-13.00	37.74	217	342	Horizontal
4	9321	37.75	-40.14	38.43	-59.22	-13.00	46.22	189	13	Horizontal
5	11043.2700	32.57	-37.90	39.08	-61.51	-13.00	48.51	205	148	Horizontal
6	14724.3600	29.67	-34.81	39.77	-60.63	-13.00	47.63	174	43	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	3782.1800	51.03	-45.85	30.27	-59.81	-13.00	46.81	255	44	Vertical
2	5673	56.01	-44.91	33.29	-50.87	-13.00	37.87	194	290	Vertical
3	7564.3600	59.97	-43.00	36.41	-41.89	-13.00	28.89	271	108	Vertical
4	9455.25	38.43	-40.05	38.48	-58.40	-13.00	45.40	208	322	Vertical
5	11043.2700	32.62	-37.90	39.08	-61.46	-13.00	48.46	158	153	Vertical
6	14724.3600	29.41	-34.81	39.77	-60.89	-13.00	47.89	289	322	Vertical

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Test Band = LTE 4A_48A_ 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	3422.1800	55.56	-46.28	29.45	-56.53	-13.00	43.53	284	300	Horizontal
2	5133.2700	41.63	-45.34	32.95	-66.02	-13.00	53.02	163	105	Horizontal
3	6844.3600	52.32	-44.14	35.89	-51.19	-13.00	38.19	215	342	Horizontal
4	10653.2700	34.88	-38.15	39.10	-59.43	-13.00	46.43	167	283	Horizontal
5	14204.3600	30.96	-35.34	40.23	-59.42	-13.00	46.42	274	57	Horizontal
6	17755.4500	33.50	-34.36	40.53	-55.59	-13.00	42.59	156	3	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	3422.1800	60.35	-46.28	29.45	-51.74	-13.00	38.74	225	151	Vertical
2	5133	47.54	-45.34	32.95	-60.11	-13.00	47.11	169	317	Vertical
3	6844.3600	63.70	-44.14	35.89	-39.81	-13.00	26.81	231	300	Vertical
4	10653.2700	34.60	-38.15	39.10	-59.71	-13.00	46.71	129	255	Vertical
5	14204.3600	31.00	-35.34	40.23	-59.38	-13.00	46.38	214	286	Vertical
6	17755.4500	33.67	-34.36	40.53	-55.42	-13.00	42.42	187	360	Vertical

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Test Band = LTE 4A_48A_ 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	3447.1800	49.76	-46.27	29.47	-62.30	-13.00	49.30	259	359	Horizontal
2	5170.7700	42.11	-45.31	32.97	-65.48	-13.00	52.48	141	360	Horizontal
3	6894.3600	49.38	-44.10	35.95	-54.03	-13.00	41.03	266	134	Horizontal
4	9324.75	38.17	-40.12	38.43	-58.78	-13.00	45.78	155	151	Horizontal
5	10848.2700	33.55	-38.22	39.18	-60.75	-13.00	47.75	138	14	Horizontal
6	14464.3600	31.57	-34.83	40.03	-58.48	-13.00	45.48	219	224	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	3447	57.81	-46.27	29.47	-54.25	-13.00	41.25	201	210	Vertical
2	5170.7700	45.69	-45.31	32.97	-61.90	-13.00	48.90	188	314	Vertical
3	6894	60.39	-44.10	35.95	-43.02	-13.00	30.02	215	120	Vertical
4	8852.25	39.64	-41.24	38.11	-58.75	-13.00	45.75	157	163	Vertical
5	10848.2700	33.51	-38.22	39.18	-60.79	-13.00	47.79	296	29	Vertical
6	14464.3600	31.65	-34.83	40.03	-58.40	-13.00	45.40	134	360	Vertical

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Test Band = LTE 4A_48A_ 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	3472.1800	48.70	-46.27	29.50	-63.33	-13.00	50.33	164	3	Horizontal
2	5208.2700	42.30	-45.26	32.98	-65.24	-13.00	52.24	275	269	Horizontal
3	6944.25	51.67	-43.86	36.01	-51.43	-13.00	38.43	256	343	Horizontal
4	8812.5	39.51	-41.25	38.09	-58.91	-13.00	45.91	140	360	Horizontal
5	11043.2700	34.04	-37.90	39.08	-60.04	-13.00	47.04	163	135	Horizontal
6	14724.3600	31.26	-34.81	39.77	-59.04	-13.00	46.04	229	179	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	3472.1800	55.23	-46.27	29.50	-56.80	-13.00	43.80	141	194	Vertical
2	4531.5	47.34	-45.70	31.64	-61.98	-13.00	48.98	258	180	Vertical
3	5208	47.83	-45.26	32.98	-59.71	-13.00	46.71	166	90	Vertical
4	6944.25	62.99	-43.86	36.01	-40.11	-13.00	27.11	239	121	Vertical
5	11043.2700	33.32	-37.90	39.08	-60.76	-13.00	47.76	150	270	Vertical
6	14724.3600	30.36	-34.81	39.77	-59.94	-13.00	46.94	216	121	Vertical

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Member of the SGS Group (SGS SA)

Test Band = LTE 5A_48A_ 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	1649.1800	26.42	-24.82	25.37	-68.29	-40.00	28.29	214	0	Horizontal
2	2473.7700	25.92	-23.55	27.68	-65.20	-40.00	25.20	131	210	Horizontal
3	3298.3600	25.85	-21.93	29.56	-61.79	-40.00	21.79	286	28	Horizontal
4	7102.1800	39.66	-44.06	36.35	-63.32	-40.00	23.32	245	316	Horizontal
5	10653.2700	32.97	-38.41	39.10	-61.60	-40.00	21.60	146	267	Horizontal
6	14204.3600	29.08	-35.15	40.23	-61.10	-40.00	21.10	209	251	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	1649.1800	25.82	-24.82	25.37	-68.89	-40.00	28.89	177	102	Vertical
2	2471.25	34.07	-23.55	27.68	-57.06	-40.00	17.06	246	246	Vertical
3	3298.3600	25.56	-21.93	29.56	-62.08	-40.00	22.08	183	114	Vertical
4	7102.1800	39.60	-44.06	36.35	-63.38	-40.00	23.38	256	360	Vertical
5	10653.2700	32.15	-38.41	39.10	-62.42	-40.00	22.42	175	47	Vertical
6	14204.3600	28.44	-35.15	40.23	-61.74	-40.00	21.74	182	128	Vertical

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Test Band = LTE 5A_48A_ 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	1664.1800	26.13	-24.78	25.38	-68.54	-40.00	28.54	257	293	Horizontal
2	2496.2700	25.47	-23.54	27.76	-65.57	-40.00	25.57	168	293	Horizontal
3	3328.3600	25.39	-21.91	29.52	-62.26	-40.00	22.26	186	20	Horizontal
4	7232.1800	39.63	-43.37	36.58	-62.42	-40.00	22.42	250	351	Horizontal
5	10848.2700	32.47	-38.02	39.18	-61.63	-40.00	21.63	142	351	Horizontal
6	14464.3600	28.91	-34.61	40.03	-60.93	-40.00	20.93	203	351	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	1664.1800	26.03	-24.78	25.38	-68.64	-40.00	28.64	204	144	Vertical
2	2496.2700	25.98	-23.54	27.76	-65.06	-40.00	25.06	179	50	Vertical
3	3328.3600	25.28	-21.91	29.52	-62.37	-40.00	22.37	266	0	Vertical
4	7232.1800	39.79	-43.37	36.58	-62.26	-40.00	22.26	231	170	Vertical
5	10848.2700	32.63	-38.02	39.18	-61.47	-40.00	21.47	228	202	Vertical
6	14464.3600	28.87	-34.61	40.03	-60.97	-40.00	20.97	142	202	Vertical

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Test Band = LTE 5A_48A_ 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	1679.1800	31.68	-24.75	25.38	-62.95	-40.00	22.95	241	134	Horizontal
2	2518.7700	25.48	-23.40	27.83	-65.35	-40.00	25.35	152	316	Horizontal
3	3358.3600	24.98	-21.88	29.48	-62.68	-40.00	22.68	207	50	Horizontal
4	7362.1800	39.08	-43.37	36.51	-63.04	-40.00	23.04	149	152	Horizontal
5	11043.2700	31.30	-37.73	39.08	-62.61	-40.00	22.61	256	270	Horizontal
6	14724.3600	28.85	-34.72	39.77	-61.37	-40.00	21.37	173	135	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	1679.1800	28.28	-24.75	25.38	-66.35	-40.00	26.35	184	136	Vertical
2	2518.7700	25.79	-23.40	27.83	-65.04	-40.00	25.04	251	294	Vertical
3	3358.3600	24.77	-21.88	29.48	-62.89	-40.00	22.89	206	1	Vertical
4	7362.1800	40.19	-43.37	36.51	-61.93	-40.00	21.93	137	3	Vertical
5	11043.2700	31.71	-37.73	39.08	-62.20	-40.00	22.20	166	360	Vertical
6	14724.3600	29.15	-34.72	39.77	-61.07	-40.00	21.07	183	306	Vertical

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Test Band = LTE 12A_48A_ 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	1399.1800	33.84	-25.24	25.62	-61.04	-40.00	21.04	210	168	Horizontal
2	2098.7700	25.87	-24.20	26.99	-66.60	-40.00	26.60	134	42	Horizontal
3	2798.3600	26.27	-22.56	28.48	-63.08	-40.00	23.08	266	190	Horizontal
4	7102.1800	39.88	-44.06	36.35	-63.10	-40.00	23.10	184	324	Horizontal
5	10653.2700	34.05	-38.41	39.10	-60.52	-40.00	20.52	213	310	Horizontal
6	14204.3600	32.42	-35.15	40.23	-57.76	-40.00	17.76	147	360	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	1399.1800	28.51	-25.24	25.62	-66.37	-40.00	26.37	292	238	Vertical
2	2098.7700	26.32	-24.20	26.99	-66.15	-40.00	26.15	178	180	Vertical
3	2798.3600	27.55	-22.56	28.48	-61.80	-40.00	21.80	230	101	Vertical
4	7102.1800	39.79	-44.06	36.35	-63.19	-40.00	23.19	165	163	Vertical
5	10653.2700	34.33	-38.41	39.10	-60.24	-40.00	20.24	284	359	Vertical
6	14204.3600	32.35	-35.15	40.23	-57.83	-40.00	17.83	156	310	Vertical

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Test Band = LTE 12A_48A_ 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	1406.1800	30.86	-25.24	25.61	-64.02	-40.00	24.02	126	132	Horizontal
2	2109.2700	26.83	-24.19	27.02	-65.60	-40.00	25.60	328	0	Horizontal
3	2812.3600	25.53	-22.61	28.54	-63.81	-40.00	23.81	127	11	Horizontal
4	7232.1800	39.93	-43.37	36.58	-62.12	-40.00	22.12	159	98	Horizontal
5	10848.2700	36.30	-38.02	39.18	-57.80	-40.00	17.80	246	115	Horizontal
6	14464.3600	32.14	-34.61	40.03	-57.70	-40.00	17.70	152	213	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	1406.1800	29.49	-25.24	25.61	-65.39	-40.00	25.39	256	285	Vertical
2	2109.2700	26.44	-24.19	27.02	-65.99	-40.00	25.99	178	145	Vertical
3	2812.3600	26.28	-22.61	28.54	-63.06	-40.00	23.06	219	135	Vertical
4	7232.1800	39.43	-43.37	36.58	-62.62	-40.00	22.62	233	82	Vertical
5	10848.2700	34.31	-38.02	39.18	-59.79	-40.00	19.79	241	316	Vertical
6	14464.3600	32.06	-34.61	40.03	-57.78	-40.00	17.78	162	344	Vertical

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Test Band = LTE 12A_48A_ 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	1413.1800	29.70	-25.23	25.60	-65.19	-40.00	25.19	178	177	Horizontal
2	2119.7700	26.61	-24.18	27.06	-65.77	-40.00	25.77	256	0	Horizontal
3	2826.3600	25.54	-22.67	28.60	-63.79	-40.00	23.79	162	130	Horizontal
4	7362.1800	39.77	-43.37	36.51	-62.35	-40.00	22.35	235	353	Horizontal
5	11043.2700	34.74	-37.73	39.08	-59.17	-40.00	19.17	195	165	Horizontal
6	14724.3600	31.74	-34.72	39.77	-58.48	-40.00	18.48	246	132	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	1413.1800	28.15	-25.23	25.60	-66.74	-40.00	26.74	216	117	Vertical
2	2119.7700	26.05	-24.18	27.06	-66.33	-40.00	26.33	234	141	Vertical
3	2826.3600	25.74	-22.67	28.60	-63.59	-40.00	23.59	189	6	Vertical
4	7362.1800	39.66	-43.37	36.51	-62.46	-40.00	22.46	296	194	Vertical
5	11043.2700	34.76	-37.73	39.08	-59.15	-40.00	19.15	213	359	Vertical
6	14724.3600	31.73	-34.72	39.77	-58.49	-40.00	18.49	302	358	Vertical

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Test Band = LTE 13A_48A_ 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	1554.6800	26.17	-25.03	25.41	-68.71	-40.00	28.71	218	144	Horizontal
2	2332.0200	26.07	-23.58	27.41	-65.36	-40.00	25.36	299	246	Horizontal
3	3109.3600	25.80	-22.46	29.53	-62.39	-40.00	22.39	165	0	Horizontal
4	7102.1800	41.50	-44.06	36.35	-61.48	-40.00	21.48	241	279	Horizontal
5	10653.2700	35.25	-38.41	39.10	-59.32	-40.00	19.32	135	115	Horizontal
6	14204.3600	33.59	-35.15	40.23	-56.59	-40.00	16.59	168	358	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	1554.6800	26.38	-25.03	25.41	-68.50	-40.00	28.50	208	281	Vertical
2	2332.0200	25.83	-23.58	27.41	-65.60	-40.00	25.60	189	0	Vertical
3	3109.3600	25.69	-22.46	29.53	-62.50	-40.00	22.50	255	269	Vertical
4	7102.1800	40.68	-44.06	36.35	-62.30	-40.00	22.30	167	164	Vertical
5	10653.2700	34.35	-38.41	39.10	-60.22	-40.00	20.22	142	114	Vertical
6	14204.3600	33.37	-35.15	40.23	-56.81	-40.00	16.81	132	32	Vertical

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Member of the SGS Group (SGS SA)

Test Band = LTE 13A_48A_ 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	1559.6800	27.27	-25.02	25.40	-67.61	-40.00	27.61	217	0	Horizontal
2	2339.5200	25.95	-23.58	27.41	-65.48	-40.00	25.48	189	304	Horizontal
3	3119.3600	25.39	-22.43	29.55	-62.75	-40.00	22.75	236	134	Horizontal
4	7232.1800	41.10	-43.37	36.58	-60.95	-40.00	20.95	299	194	Horizontal
5	10848.2700	36.11	-38.02	39.18	-57.99	-40.00	17.99	286	293	Horizontal
6	14464.3600	33.22	-34.61	40.03	-56.62	-40.00	16.62	216	360	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	1559.6800	26.84	-25.02	25.40	-68.04	-40.00	28.04	154	0	Vertical
2	2339.5200	26.39	-23.58	27.41	-65.04	-40.00	25.04	219	180	Vertical
3	3119.3600	25.46	-22.43	29.55	-62.68	-40.00	22.68	238	191	Vertical
4	7232.1800	40.07	-43.37	36.58	-61.98	-40.00	21.98	255	133	Vertical
5	10848.2700	35.20	-38.02	39.18	-58.90	-40.00	18.90	165	166	Vertical
6	14464.3600	33.38	-34.61	40.03	-56.46	-40.00	16.46	207	4	Vertical

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Member of the SGS Group (SGS SA)

Test Band = LTE 13A_48A_ 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	1564.6800	26.11	-25.01	25.40	-68.76	-40.00	28.76	178	0	Horizontal
2	2347.0200	26.25	-23.58	27.41	-65.17	-40.00	25.17	244	315	Horizontal
3	3129.3600	25.67	-22.39	29.56	-62.41	-40.00	22.41	253	73	Horizontal
4	7362.1800	40.29	-43.37	36.51	-61.83	-40.00	21.83	136	4	Horizontal
5	11043.2700	35.10	-37.73	39.08	-58.81	-40.00	18.81	294	277	Horizontal
6	14724.3600	31.65	-34.72	39.77	-58.57	-40.00	18.57	154	228	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	1564.6800	26.08	-25.01	25.40	-68.79	-40.00	28.79	278	349	Vertical
2	2347.0200	26.14	-23.58	27.41	-65.28	-40.00	25.28	181	48	Vertical
3	3129.3600	25.49	-22.39	29.56	-62.59	-40.00	22.59	150	0	Vertical
4	7362.1800	40.71	-43.37	36.51	-61.41	-40.00	21.41	138	164	Vertical
5	11043.2700	34.91	-37.73	39.08	-59.00	-40.00	19.00	192	82	Vertical
6	14724.3600	31.60	-34.72	39.77	-58.62	-40.00	18.62	246	3	Vertical

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Test Band = LTE 25A_48A_ 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	3702.1800	24.23	-21.64	29.98	-62.69	-40.00	22.69	175	225	Horizontal
2	5553.2700	23.63	-18.93	32.97	-57.60	-40.00	17.60	259	74	Horizontal
3	7404.3600	40.29	-43.26	36.49	-61.74	-40.00	21.74	163	48	Horizontal
4	10653.2700	34.28	-38.41	39.10	-60.29	-40.00	20.29	248	195	Horizontal
5	14204.3600	32.05	-35.15	40.23	-58.13	-40.00	18.13	144	360	Horizontal
6	17755.4500	33.76	-34.10	40.53	-55.06	-40.00	15.06	156	130	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	3702.1800	23.84	-21.64	29.98	-63.08	-40.00	23.08	178	258	Vertical
2	5553.2700	23.82	-18.93	32.97	-57.41	-40.00	17.41	219	19	Vertical
3	7404.3600	39.01	-43.26	36.49	-63.02	-40.00	21.30	263	294	Vertical
4	10653.2700	33.75	-38.41	39.10	-60.82	-40.00	20.82	244	147	Vertical
5	14204.3600	32.39	-35.15	40.23	-57.79	-40.00	17.79	185	181	Vertical
6	17755.4500	33.75	-34.10	40.53	-55.07	-40.00	15.07	165	80	Vertical

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Test Band = LTE 25A_48A_ 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	3742.1800	24.65	-21.54	30.12	-62.03	-40.00	22.03	208	301	Horizontal
2	5613.2700	23.34	-18.72	33.07	-57.57	-40.00	17.57	149	11	Horizontal
3	7484.3600	39.08	-43.02	36.45	-62.76	-40.00	22.76	266	48	Horizontal
4	10848.2700	34.42	-38.02	39.18	-59.68	-40.00	19.68	283	3	Horizontal
5	14464.3600	31.31	-34.61	40.03	-58.53	-40.00	18.53	156	146	Horizontal
6	16462.8333	34.88	-33.60	37.85	-56.13	-40.00	16.13	211	351	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	3742.1800	24.43	-21.54	30.12	-62.25	-40.00	22.25	288	326	Vertical
2	5613.2700	23.93	-18.72	33.07	-56.98	-40.00	16.98	175	41	Vertical
3	7484.3600	39.68	-43.02	36.45	-62.16	-40.00	22.16	192	112	Vertical
4	10848.2700	34.52	-38.02	39.18	-59.58	-40.00	19.58	156	324	Vertical
5	14464.3600	31.28	-34.61	40.03	-58.56	-40.00	18.56	243	16	Vertical
6	17031.125	36.07	-33.78	38.52	-54.46	-40.00	14.46	128	48	Vertical

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Test Band = LTE 25A_48A_ 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	3792.1800	23.90	-21.42	30.30	-62.47	-40.00	22.47	214	98	Horizontal
2	5688.2700	23.63	-18.73	33.34	-57.01	-40.00	17.01	175	224	Horizontal
3	7584.3600	38.89	-42.93	36.40	-62.90	-40.00	22.90	189	16	Horizontal
4	11043.2700	34.33	-37.73	39.08	-59.58	-40.00	19.58	296	310	Horizontal
5	12768.9375	34.28	-36.77	39.58	-58.17	-40.00	18.17	238	147	Horizontal
6	14724.3600	30.99	-34.72	39.77	-59.23	-40.00	19.23	248	81	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	3792.1800	23.61	-21.42	30.30	-62.76	-40.00	22.76	187	132	Vertical
2	5688.2700	23.33	-18.73	33.34	-57.31	-40.00	17.31	145	1	Vertical
3	7584.3600	39.62	-42.93	36.40	-62.17	-40.00	22.17	126	3	Vertical
4	11043.2700	34.45	-37.73	39.08	-59.46	-40.00	19.46	263	294	Vertical
5	14724.3600	30.82	-34.72	39.77	-59.40	-40.00	19.40	285	341	Vertical
6	17744.125	34.38	-33.97	40.46	-54.39	-40.00	14.39	194	351	Vertical

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Test Band = LTE 30A_48A_ 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	7783.2083	40.72	-42.42	36.75	-60.21	-40.00	20.21	125	81	Horizontal
2	8406.6042	40.55	-41.55	37.34	-58.92	-40.00	18.92	136	360	Horizontal
3	9221.3600	36.22	-40.26	38.36	-60.94	-40.00	20.94	251	31	Horizontal
4	10653.2700	33.56	-38.41	39.10	-61.01	-40.00	21.01	145	48	Horizontal
5	14204.3600	31.40	-35.15	40.23	-58.78	-40.00	18.78	199	292	Horizontal
6	17755.4500	33.17	-34.10	40.53	-55.65	-40.00	15.65	251	145	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	6929.8125	52.68	-43.67	36.00	-50.26	-40.00	10.26	211	130	Vertical
2	7968.6458	42.58	-42.42	36.97	-58.13	-40.00	18.13	148	195	Vertical
3	9221.3600	35.91	-40.26	38.36	-61.25	-40.00	21.25	185	243	Vertical
4	10653.2700	33.92	-38.41	39.10	-60.65	-40.00	20.65	163	360	Vertical
5	14204.3600	30.90	-35.15	40.23	-59.28	-40.00	19.28	256	352	Vertical
6	17755.4500	32.49	-34.10	40.53	-56.33	-40.00	16.33	291	325	Vertical

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Test Band = LTE 30A_48A_ 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	6923.5200	41.72	-43.71	35.99	-61.27	-40.00	21.27	132	16	Horizontal
2	8591.0833	39.46	-41.41	37.73	-59.48	-40.00	19.48	102	32	Horizontal
3	9231.3600	35.56	-40.24	38.36	-61.57	-40.00	21.57	155	294	Horizontal
4	10848.2700	33.37	-38.02	39.18	-60.73	-40.00	20.73	148	163	Horizontal
5	12721.5	33.57	-36.82	39.49	-59.02	-40.00	19.02	153	311	Horizontal
6	14464.3600	31.61	-34.61	40.03	-58.23	-40.00	18.23	198	3	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	6923.5200	51.65	-43.71	35.99	-51.34	-40.00	11.34	254	115	Vertical
2	7968.6458	42.12	-42.42	36.97	-58.59	-40.00	18.59	188	195	Vertical
3	9231.3600	37.00	-40.24	38.36	-60.13	-40.00	20.13	186	115	Vertical
4	10848.2700	34.38	-38.02	39.18	-59.72	-40.00	19.72	195	226	Vertical
5	12223.1667	34.46	-37.11	39.12	-58.79	-40.00	18.79	174	31	Vertical
6	14464.3600	31.05	-34.61	40.03	-58.79	-40.00	18.79	122	276	Vertical

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Member of the SGS Group (SGS SA)

Test Band = LTE 30A_48A_ 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	6931.0200	42.54	-43.66	36.00	-60.39	-40.00	20.39	210	16	Horizontal
2	7736.25	40.83	-42.73	36.66	-60.51	-40.00	20.51	153	212	Horizontal
3	9241.3200	36.27	-40.21	38.37	-60.83	-40.00	20.83	142	147	Horizontal
4	11043.2700	33.66	-37.73	39.08	-60.25	-40.00	20.25	162	325	Horizontal
5	12801.0417	33.78	-36.73	39.63	-58.58	-40.00	18.58	155	212	Horizontal
6	14724.3600	29.99	-34.72	39.77	-60.23	-40.00	20.23	190	360	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	6931.0200	52.23	-43.66	36.00	-50.70	-40.00	10.70	254	114	Vertical
2	8453.5625	40.00	-41.55	37.44	-59.37	-40.00	19.37	156	360	Vertical
3	9241.3200	36.84	-40.21	38.37	-60.26	-40.00	20.26	199	114	Vertical
4	11043.2700	32.82	-37.73	39.08	-61.09	-40.00	21.09	154	179	Vertical
5	11447.3958	34.03	-37.02	39.06	-59.19	-40.00	19.19	133	352	Vertical
6	14724.3600	30.30	-34.72	39.77	-59.92	-40.00	19.92	230	213	Vertical

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Member of the SGS Group (SGS SA)

Test Band = LTE 41A_48A_ 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	7502.8958	41.11	-42.98	36.44	-60.69	-40.00	20.69	214	178	Horizontal
2	8762.625	38.78	-41.15	38.02	-59.61	-40.00	19.61	178	360	Horizontal
3	9815.3542	37.32	-39.32	38.24	-59.02	-40.00	19.02	198	262	Horizontal
4	11334.7917	34.10	-37.40	39.11	-59.45	-40.00	19.45	145	360	Horizontal
5	13439.7708	32.51	-36.75	40.15	-59.35	-40.00	19.35	156	65	Horizontal
6	14508.7917	31.32	-34.83	40.00	-58.77	-40.00	18.77	236	146	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	7187.6042	43.79	-43.39	36.57	-58.29	-40.00	18.29	258	179	Vertical
2	7656.2292	43.58	-42.95	36.50	-58.13	-40.00	18.13	174	179	Vertical
3	7968.6458	41.95	-42.42	36.97	-58.76	-40.00	18.76	123	194	Vertical
4	9332.3542	37.19	-39.91	38.44	-59.54	-40.00	19.54	261	359	Vertical
5	11598.3333	32.66	-36.88	38.89	-60.59	-40.00	20.59	159	212	Vertical
6	12913.1667	32.94	-37.07	39.74	-59.65	-40.00	19.65	185	163	Vertical

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Test Band = LTE 41A_48A_ 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	7147.8333	41.00	-43.70	36.46	-61.50	-40.00	21.50	145	307	Horizontal
2	8340	39.61	-41.80	37.26	-60.19	-40.00	20.19	136	360	Horizontal
3	9398	37.36	-39.56	38.49	-58.97	-40.00	18.97	259	79	Horizontal
4	10577.7083	35.09	-38.67	39.04	-59.80	-40.00	19.80	184	62	Horizontal
5	12096.6667	32.85	-37.16	39.05	-60.52	-40.00	20.52	178	160	Horizontal
6	13682.2292	32.97	-36.05	40.07	-58.27	-40.00	18.27	199	177	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	7187.6042	42.77	-43.39	36.57	-59.31	-40.00	19.31	125	178	Vertical
2	7968.6458	41.74	-42.42	36.97	-58.97	-40.00	18.97	136	195	Vertical
3	8814.375	38.25	-40.95	38.09	-59.88	-40.00	19.88	256	228	Vertical
4	9990.25	36.24	-39.39	38.48	-59.94	-40.00	19.94	199	359	Vertical
5	11215	33.92	-37.58	39.11	-59.81	-40.00	19.81	145	360	Vertical
6	13390.4167	32.72	-36.66	40.14	-59.06	-40.00	19.06	185	360	Vertical

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Test Band = LTE 41A_48A_ 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	7396.5208	41.55	-43.28	36.49	-60.50	-40.00	20.50	126	342	Horizontal
2	8404.6875	39.62	-41.55	37.34	-59.85	-40.00	19.85	136	294	Horizontal
3	9635.6667	37.10	-39.14	38.40	-58.90	-40.00	18.90	251	179	Horizontal
4	10735.8333	35.25	-38.27	39.17	-59.11	-40.00	19.11	148	49	Horizontal
5	12798.6458	32.91	-36.73	39.63	-59.45	-40.00	19.45	185	164	Horizontal
6	13668.3333	33.86	-35.98	40.09	-57.30	-40.00	17.30	196	245	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	7656.2292	44.06	-42.95	36.50	-57.65	-40.00	17.65	211	178	Vertical
2	7968.6458	43.44	-42.42	36.97	-57.27	-40.00	17.27	136	195	Vertical
3	8688.3542	39.60	-41.51	37.90	-59.27	-40.00	19.27	256	31	Vertical
4	9598.2917	36.28	-39.05	38.44	-59.59	-40.00	19.59	145	357	Vertical
5	10628.9792	34.89	-38.54	39.08	-59.83	-40.00	19.83	199	4	Vertical
6	12887.7708	33.35	-37.03	39.72	-59.22	-40.00	19.22	185	307	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
Band48	20MHz	QPSK	55990	100RB#0	VL	NT	2.60	0.000717	PASS
Band48	20MHz	QPSK	55990	100RB#0	VN	NT	7.30	0.002014	PASS
Band48	20MHz	QPSK	55990	100RB#0	VH	NT	7.30	0.002014	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band48	20MHz	QPSK	55990	100RB#0	NV	-30	-3.70	-0.001021	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	-20	4.90	0.001352	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	0	2.50	0.000690	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	10	-8.40	-0.002317	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	20	4.90	0.001352	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	30	4.00	0.001103	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	40	6.40	0.001766	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	50	3.30	0.000910	PASS

---End of Attachment---

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