

Appendix for KSCR221000187201-B48

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band48	5MHz	QPSK	55265	1RB#0	20.51	20.38	23	PASS
Band48	5MHz	QPSK	55265	1RB#12	20.49	20.36	23	PASS
Band48	5MHz	QPSK	55265	1RB#24	20.43	20.3	23	PASS
Band48	5MHz	QPSK	55265	25RB#0	19.43	19.3	23	PASS
Band48	5MHz	QPSK	55990	1RB#0	20.75	20.62	23	PASS
Band48	5MHz	QPSK	55990	1RB#12	20.69	20.56	23	PASS
Band48	5MHz	QPSK	55990	1RB#24	20.69	20.56	23	PASS
Band48	5MHz	QPSK	55990	25RB#0	19.64	19.51	23	PASS
Band48	5MHz	QPSK	56715	1RB#0	20.82	20.69	23	PASS
Band48	5MHz	QPSK	56715	1RB#12	20.83	20.7	23	PASS
Band48	5MHz	QPSK	56715	1RB#24	20.83	20.7	23	PASS
Band48	5MHz	QPSK	56715	25RB#0	19.79	19.66	23	PASS
Band48	5MHz	16QAM	55265	1RB#0	19.52	19.39	23	PASS
Band48	5MHz	16QAM	55265	1RB#12	19.44	19.31	23	PASS
Band48	5MHz	16QAM	55265	1RB#24	19.46	19.33	23	PASS
Band48	5MHz	16QAM	55265	25RB#0	18.35	18.22	23	PASS
Band48	5MHz	16QAM	55990	1RB#0	19.66	19.53	23	PASS
Band48	5MHz	16QAM	55990	1RB#12	19.68	19.55	23	PASS
Band48	5MHz	16QAM	55990	1RB#24	19.68	19.55	23	PASS
Band48	5MHz	16QAM	55990	25RB#0	18.57	18.44	23	PASS
Band48	5MHz	16QAM	56715	1RB#0	19.82	19.69	23	PASS
Band48	5MHz	16QAM	56715	1RB#12	19.8	19.67	23	PASS
Band48	5MHz	16QAM	56715	1RB#24	19.83	19.7	23	PASS
Band48	5MHz	16QAM	56715	25RB#0	18.71	18.58	23	PASS
Band48	5MHz	64QAM	55265	1RB#0	18.18	18.05	23	PASS
Band48	5MHz	64QAM	55265	1RB#12	18.09	17.96	23	PASS
Band48	5MHz	64QAM	55265	1RB#24	18.08	17.95	23	PASS
Band48	5MHz	64QAM	55265	25RB#0	17.53	17.4	23	PASS



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Compliance Certification Services (Kunshan) Inc.

Band48	5MHz	64QAM	55990	1RB#0	18.31	18.18	23	PASS
Band48	5MHz	64QAM	55990	1RB#12	18.32	18.19	23	PASS
Band48	5MHz	64QAM	55990	1RB#24	18.34	18.21	23	PASS
Band48	5MHz	64QAM	55990	25RB#0	17.67	17.54	23	PASS
Band48	5MHz	64QAM	56715	1RB#0	18.45	18.32	23	PASS
Band48	5MHz	64QAM	56715	1RB#12	18.42	18.29	23	PASS
Band48	5MHz	64QAM	56715	1RB#24	18.45	18.32	23	PASS
Band48	5MHz	64QAM	56715	25RB#0	17.9	17.77	23	PASS
Band48	5MHz	256QAM	55265	1RB#0	15.63	15.5	23	PASS
Band48	5MHz	256QAM	55265	1RB#12	15.34	15.21	23	PASS
Band48	5MHz	256QAM	55265	1RB#24	15.29	15.16	23	PASS
Band48	5MHz	256QAM	55265	25RB#0	15.38	15.25	23	PASS
Band48	5MHz	256QAM	55990	1RB#0	15.85	15.72	23	PASS
Band48	5MHz	256QAM	55990	1RB#12	15.46	15.33	23	PASS
Band48	5MHz	256QAM	55990	1RB#24	15.39	15.26	23	PASS
Band48	5MHz	256QAM	55990	25RB#0	15.45	15.32	23	PASS
Band48	5MHz	256QAM	56715	1RB#0	15.74	15.61	23	PASS
Band48	5MHz	256QAM	56715	1RB#12	15.69	15.56	23	PASS
Band48	5MHz	256QAM	56715	1RB#24	15.73	15.6	23	PASS
Band48	5MHz	256QAM	56715	25RB#0	15.72	15.59	23	PASS
Band48	10MHz	QPSK	55290	1RB#0	20.44	20.31	23	PASS
Band48	10MHz	QPSK	55290	1RB#24	20.4	20.27	23	PASS
Band48	10MHz	QPSK	55290	1RB#49	20.32	20.19	23	PASS
Band48	10MHz	QPSK	55290	50RB#0	19.43	19.3	23	PASS
Band48	10MHz	QPSK	55990	1RB#0	20.59	20.46	23	PASS
Band48	10MHz	QPSK	55990	1RB#24	20.66	20.53	23	PASS
Band48	10MHz	QPSK	55990	1RB#49	20.63	20.5	23	PASS
Band48	10MHz	QPSK	55990	50RB#0	19.65	19.52	23	PASS
Band48	10MHz	QPSK	56690	1RB#0	20.69	20.56	23	PASS
Band48	10MHz	QPSK	56690	1RB#24	20.74	20.61	23	PASS
Band48	10MHz	QPSK	56690	1RB#49	20.8	20.67	23	PASS
Band48	10MHz	QPSK	56690	50RB#0	19.74	19.61	23	PASS
Band48	10MHz	16QAM	55290	1RB#0	19.46	19.33	23	PASS
Band48	10MHz	16QAM	55290	1RB#24	19.46	19.33	23	PASS



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Compliance Certification Services (Kunshan) Inc.

Band48	10MHz	16QAM	55290	1RB#49	19.33	19.2	23	PASS
Band48	10MHz	16QAM	55290	50RB#0	18.43	18.3	23	PASS
Band48	10MHz	16QAM	55990	1RB#0	19.63	19.5	23	PASS
Band48	10MHz	16QAM	55990	1RB#24	19.7	19.57	23	PASS
Band48	10MHz	16QAM	55990	1RB#49	19.67	19.54	23	PASS
Band48	10MHz	16QAM	55990	50RB#0	18.68	18.55	23	PASS
Band48	10MHz	16QAM	56690	1RB#0	19.68	19.55	23	PASS
Band48	10MHz	16QAM	56690	1RB#24	19.77	19.64	23	PASS
Band48	10MHz	16QAM	56690	1RB#49	19.81	19.68	23	PASS
Band48	10MHz	16QAM	56690	50RB#0	18.77	18.64	23	PASS
Band48	10MHz	64QAM	55290	1RB#0	18.11	17.98	23	PASS
Band48	10MHz	64QAM	55290	1RB#24	18.06	17.93	23	PASS
Band48	10MHz	64QAM	55290	1RB#49	18	17.87	23	PASS
Band48	10MHz	64QAM	55290	50RB#0	17.55	17.42	23	PASS
Band48	10MHz	64QAM	55990	1RB#0	18.31	18.18	23	PASS
Band48	10MHz	64QAM	55990	1RB#24	18.32	18.19	23	PASS
Band48	10MHz	64QAM	55990	1RB#49	18.33	18.2	23	PASS
Band48	10MHz	64QAM	55990	50RB#0	17.75	17.62	23	PASS
Band48	10MHz	64QAM	56690	1RB#0	18.37	18.24	23	PASS
Band48	10MHz	64QAM	56690	1RB#24	18.42	18.29	23	PASS
Band48	10MHz	64QAM	56690	1RB#49	18.48	18.35	23	PASS
Band48	10MHz	64QAM	56690	50RB#0	17.87	17.74	23	PASS
Band48	10MHz	256QAM	55290	1RB#0	15.31	15.18	23	PASS
Band48	10MHz	256QAM	55290	1RB#24	15.31	15.18	23	PASS
Band48	10MHz	256QAM	55290	1RB#49	15.22	15.09	23	PASS
Band48	10MHz	256QAM	55290	50RB#0	15.35	15.22	23	PASS
Band48	10MHz	256QAM	55990	1RB#0	15.66	15.53	23	PASS
Band48	10MHz	256QAM	55990	1RB#24	15.43	15.3	23	PASS
Band48	10MHz	256QAM	55990	1RB#49	15.43	15.3	23	PASS
Band48	10MHz	256QAM	55990	50RB#0	15.51	15.38	23	PASS
Band48	10MHz	256QAM	56690	1RB#0	15.85	15.72	23	PASS
Band48	10MHz	256QAM	56690	1RB#24	15.62	15.49	23	PASS
Band48	10MHz	256QAM	56690	1RB#49	15.69	15.56	23	PASS
Band48	10MHz	256QAM	56690	50RB#0	15.7	15.57	23	PASS



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Table with 9 columns: Band, Frequency, Modulation, ID, RB#, Value 1, Value 2, Value 3, Result. Contains 40 rows of test data.



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Band48	15MHz	64QAM	56665	1RB#74	18.46	18.33	23	PASS
Band48	15MHz	64QAM	56665	75RB#0	17.85	17.72	23	PASS
Band48	15MHz	256QAM	55315	1RB#0	15.28	15.15	23	PASS
Band48	15MHz	256QAM	55315	1RB#38	15.18	15.05	23	PASS
Band48	15MHz	256QAM	55315	1RB#74	15.2	15.07	23	PASS
Band48	15MHz	256QAM	55315	75RB#0	15.25	15.12	23	PASS
Band48	15MHz	256QAM	55990	1RB#0	15.98	15.85	23	PASS
Band48	15MHz	256QAM	55990	1RB#38	15.36	15.23	23	PASS
Band48	15MHz	256QAM	55990	1RB#74	15.39	15.26	23	PASS
Band48	15MHz	256QAM	55990	75RB#0	15.44	15.31	23	PASS
Band48	15MHz	256QAM	56665	1RB#0	15.98	15.85	23	PASS
Band48	15MHz	256QAM	56665	1RB#38	15.56	15.43	23	PASS
Band48	15MHz	256QAM	56665	1RB#74	15.68	15.55	23	PASS
Band48	15MHz	256QAM	56665	75RB#0	15.63	15.5	23	PASS
Band48	20MHz	QPSK	55340	1RB#0	20.42	20.29	23	PASS
Band48	20MHz	QPSK	55340	1RB#49	20.69	20.56	23	PASS
Band48	20MHz	QPSK	55340	1RB#99	20.34	20.21	23	PASS
Band48	20MHz	QPSK	55340	100RB#0	20.34	20.21	23	PASS
Band48	20MHz	QPSK	55990	1RB#0	20.47	20.34	23	PASS
Band48	20MHz	QPSK	55990	1RB#49	20.72	20.59	23	PASS
Band48	20MHz	QPSK	55990	1RB#99	20.6	20.47	23	PASS
Band48	20MHz	QPSK	55990	100RB#0	19.65	19.52	23	PASS
Band48	20MHz	QPSK	56640	1RB#0	20.56	20.43	23	PASS
Band48	20MHz	QPSK	56640	1RB#49	20.72	20.59	23	PASS
Band48	20MHz	QPSK	56640	1RB#99	20.77	20.64	23	PASS
Band48	20MHz	QPSK	56640	100RB#0	19.73	19.6	23	PASS
Band48	20MHz	16QAM	55340	1RB#0	19.43	19.3	23	PASS
Band48	20MHz	16QAM	55340	1RB#49	19.34	19.21	23	PASS
Band48	20MHz	16QAM	55340	1RB#99	19.37	19.24	23	PASS
Band48	20MHz	16QAM	55340	100RB#0	18.39	18.26	23	PASS
Band48	20MHz	16QAM	55990	1RB#0	19.5	19.37	23	PASS
Band48	20MHz	16QAM	55990	1RB#49	19.67	19.54	23	PASS
Band48	20MHz	16QAM	55990	1RB#99	19.64	19.51	23	PASS
Band48	20MHz	16QAM	55990	100RB#0	18.65	18.52	23	PASS



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Band48	20MHz	16QAM	56640	1RB#0	19.58	19.45	23	PASS
Band48	20MHz	16QAM	56640	1RB#49	19.73	19.6	23	PASS
Band48	20MHz	16QAM	56640	1RB#99	19.94	19.81	23	PASS
Band48	20MHz	16QAM	56640	100RB#0	18.73	18.6	23	PASS
Band48	20MHz	64QAM	55340	1RB#0	18.1	17.97	23	PASS
Band48	20MHz	64QAM	55340	1RB#49	17.97	17.84	23	PASS
Band48	20MHz	64QAM	55340	1RB#99	17.99	17.86	23	PASS
Band48	20MHz	64QAM	55340	100RB#0	17.44	17.31	23	PASS
Band48	20MHz	64QAM	55990	1RB#0	18.17	18.04	23	PASS
Band48	20MHz	64QAM	55990	1RB#49	18.28	18.15	23	PASS
Band48	20MHz	64QAM	55990	1RB#99	18.28	18.15	23	PASS
Band48	20MHz	64QAM	55990	100RB#0	17.72	17.59	23	PASS
Band48	20MHz	64QAM	56640	1RB#0	18.25	18.12	23	PASS
Band48	20MHz	64QAM	56640	1RB#49	18.37	18.24	23	PASS
Band48	20MHz	64QAM	56640	1RB#99	18.53	18.4	23	PASS
Band48	20MHz	64QAM	56640	100RB#0	17.82	17.69	23	PASS
Band48	20MHz	256QAM	55340	1RB#0	15.3	15.17	23	PASS
Band48	20MHz	256QAM	55340	1RB#49	15.2	15.07	23	PASS
Band48	20MHz	256QAM	55340	1RB#99	15.21	15.08	23	PASS
Band48	20MHz	256QAM	55340	100RB#0	15.27	15.14	23	PASS
Band48	20MHz	256QAM	55990	1RB#0	15.85	15.72	23	PASS
Band48	20MHz	256QAM	55990	1RB#49	15.43	15.3	23	PASS
Band48	20MHz	256QAM	55990	1RB#99	15.36	15.23	23	PASS
Band48	20MHz	256QAM	55990	100RB#0	15.42	15.29	23	PASS
Band48	20MHz	256QAM	56640	1RB#0	15.69	15.56	23	PASS
Band48	20MHz	256QAM	56640	1RB#49	15.56	15.43	23	PASS
Band48	20MHz	256QAM	56640	1RB#99	15.74	15.61	23	PASS
Band48	20MHz	256QAM	56640	100RB#0	15.65	15.52	23	PASS



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Maximum power spectral density

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band48	5MHz	QPSK	55265	1RB#0	20.83	20.7	23	PASS
Band48	5MHz	QPSK	55265	1RB#12	20.93	20.8	23	PASS
Band48	5MHz	QPSK	55265	1RB#24	21.49	21.36	23	PASS
Band48	5MHz	QPSK	55990	1RB#0	21.12	20.99	23	PASS
Band48	5MHz	QPSK	55990	1RB#12	21.65	21.52	23	PASS
Band48	5MHz	QPSK	55990	1RB#24	21.58	21.45	23	PASS
Band48	5MHz	QPSK	56715	1RB#0	21.74	21.61	23	PASS
Band48	5MHz	QPSK	56715	1RB#12	21.64	21.51	23	PASS
Band48	5MHz	QPSK	56715	1RB#24	21.52	21.39	23	PASS
Band48	5MHz	16QAM	55265	1RB#0	20.19	20.06	23	PASS
Band48	5MHz	16QAM	55265	1RB#12	20.55	20.42	23	PASS
Band48	5MHz	16QAM	55265	1RB#24	20.66	20.53	23	PASS
Band48	5MHz	16QAM	55990	1RB#0	20.8	20.67	23	PASS
Band48	5MHz	16QAM	55990	1RB#12	20.69	20.56	23	PASS
Band48	5MHz	16QAM	55990	1RB#24	20.9	20.77	23	PASS
Band48	5MHz	16QAM	56715	1RB#0	21.5	21.37	23	PASS
Band48	5MHz	16QAM	56715	1RB#12	20.88	20.75	23	PASS
Band48	5MHz	16QAM	56715	1RB#24	20.93	20.8	23	PASS
Band48	10MHz	QPSK	55290	1RB#0	21.26	21.13	23	PASS
Band48	10MHz	QPSK	55290	1RB#24	21.07	20.94	23	PASS
Band48	10MHz	QPSK	55290	1RB#49	21.1	20.97	23	PASS
Band48	10MHz	QPSK	55990	1RB#0	20.93	20.8	23	PASS
Band48	10MHz	QPSK	55990	1RB#24	21.16	21.03	23	PASS
Band48	10MHz	QPSK	55990	1RB#49	20.73	20.6	23	PASS
Band48	10MHz	QPSK	56690	1RB#0	21.78	21.65	23	PASS
Band48	10MHz	QPSK	56690	1RB#24	21.41	21.28	23	PASS
Band48	10MHz	QPSK	56690	1RB#49	21.57	21.44	23	PASS
Band48	10MHz	16QAM	55290	1RB#0	20.88	20.75	23	PASS
Band48	10MHz	16QAM	55290	1RB#24	20.88	20.75	23	PASS
Band48	10MHz	16QAM	55290	1RB#49	19.95	19.82	23	PASS



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Band48	10MHz	16QAM	55990	1RB#0	20.24	20.11	23	PASS
Band48	10MHz	16QAM	55990	1RB#24	20.39	20.26	23	PASS
Band48	10MHz	16QAM	55990	1RB#49	20.48	20.35	23	PASS
Band48	10MHz	16QAM	56690	1RB#0	21.34	21.21	23	PASS
Band48	10MHz	16QAM	56690	1RB#24	20.97	20.84	23	PASS
Band48	10MHz	16QAM	56690	1RB#49	21.49	21.36	23	PASS
Band48	15MHz	QPSK	55315	1RB#0	21.36	21.23	23	PASS
Band48	15MHz	QPSK	55315	1RB#38	21.21	21.08	23	PASS
Band48	15MHz	QPSK	55315	1RB#74	20.91	20.78	23	PASS
Band48	15MHz	QPSK	55990	1RB#0	21.17	21.04	23	PASS
Band48	15MHz	QPSK	55990	1RB#38	20.92	20.79	23	PASS
Band48	15MHz	QPSK	55990	1RB#74	21.24	21.11	23	PASS
Band48	15MHz	QPSK	56665	1RB#0	21.45	21.32	23	PASS
Band48	15MHz	QPSK	56665	1RB#38	21.48	21.35	23	PASS
Band48	15MHz	QPSK	56665	1RB#74	21.46	21.33	23	PASS
Band48	15MHz	16QAM	55315	1RB#0	20.89	20.76	23	PASS
Band48	15MHz	16QAM	55315	1RB#38	20.5	20.37	23	PASS
Band48	15MHz	16QAM	55315	1RB#74	21.11	20.98	23	PASS
Band48	15MHz	16QAM	55990	1RB#0	20.46	20.33	23	PASS
Band48	15MHz	16QAM	55990	1RB#38	19.96	19.83	23	PASS
Band48	15MHz	16QAM	55990	1RB#74	20.43	20.3	23	PASS
Band48	15MHz	16QAM	56665	1RB#0	21.27	21.14	23	PASS
Band48	15MHz	16QAM	56665	1RB#38	20.99	20.86	23	PASS
Band48	15MHz	16QAM	56665	1RB#74	21.06	20.93	23	PASS
Band48	20MHz	QPSK	55340	1RB#0	21.1	20.97	23	PASS
Band48	20MHz	QPSK	55340	1RB#49	21.51	21.38	23	PASS
Band48	20MHz	QPSK	55340	1RB#99	21.26	21.13	23	PASS
Band48	20MHz	QPSK	55990	1RB#0	20.74	20.61	23	PASS
Band48	20MHz	QPSK	55990	1RB#49	21.12	20.99	23	PASS
Band48	20MHz	QPSK	55990	1RB#99	20.8	20.67	23	PASS
Band48	20MHz	QPSK	56640	1RB#0	21.1	20.97	23	PASS
Band48	20MHz	QPSK	56640	1RB#49	21.03	20.9	23	PASS
Band48	20MHz	QPSK	56640	1RB#99	21.72	21.59	23	PASS
Band48	20MHz	16QAM	55340	1RB#0	20.87	20.74	23	PASS



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Band48	20MHz	16QAM	55340	1RB#49	20.89	20.76	23	PASS
Band48	20MHz	16QAM	55340	1RB#99	20.29	20.16	23	PASS
Band48	20MHz	16QAM	55990	1RB#0	19.71	19.58	23	PASS
Band48	20MHz	16QAM	55990	1RB#49	20.01	19.88	23	PASS
Band48	20MHz	16QAM	55990	1RB#99	20.33	20.2	23	PASS
Band48	20MHz	16QAM	56640	1RB#0	21.19	21.06	23	PASS
Band48	20MHz	16QAM	56640	1RB#49	20.56	20.43	23	PASS
Band48	20MHz	16QAM	56640	1RB#99	20.63	20.5	23	PASS

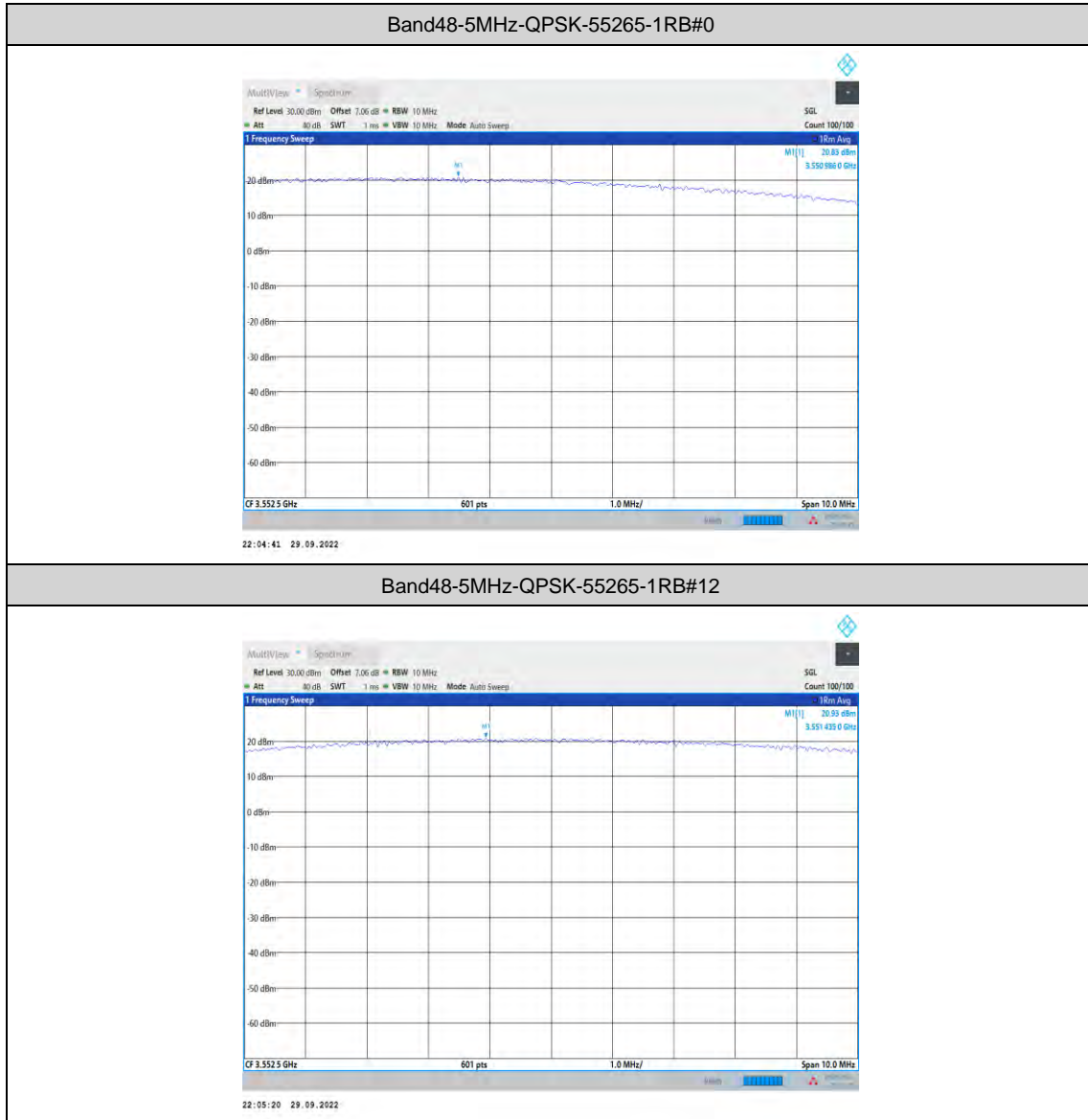


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Test Graphs

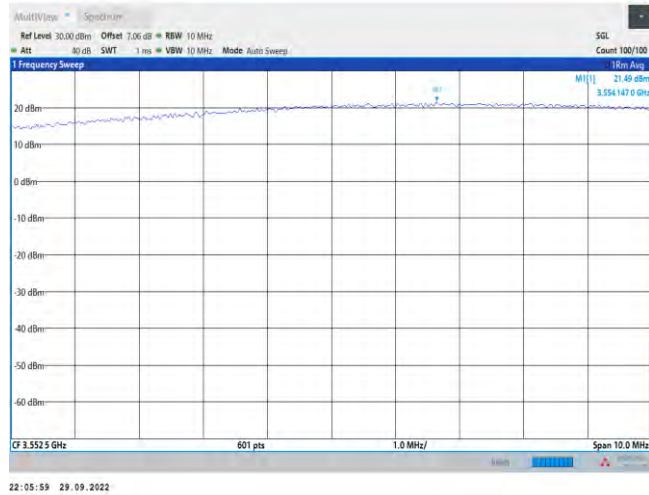


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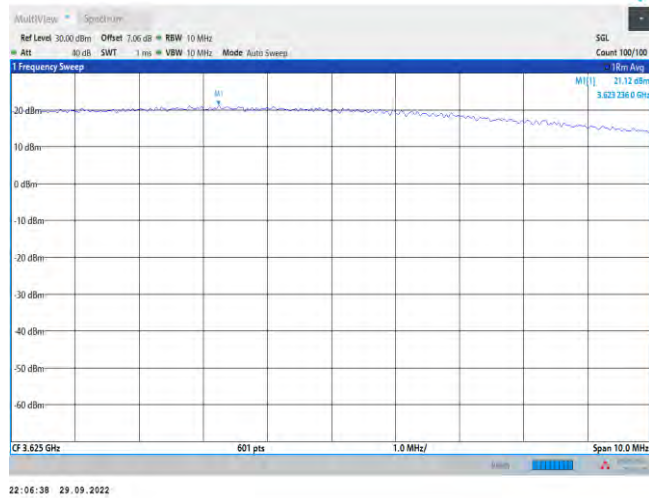
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Band48-5MHz-QPSK-55265-1RB#24



Band48-5MHz-QPSK-55990-1RB#0

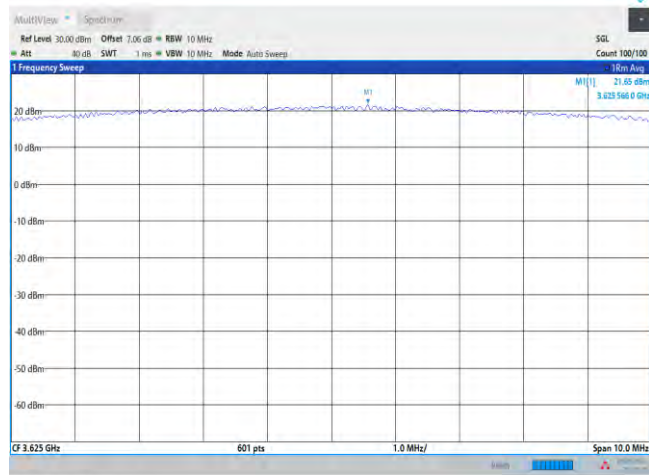


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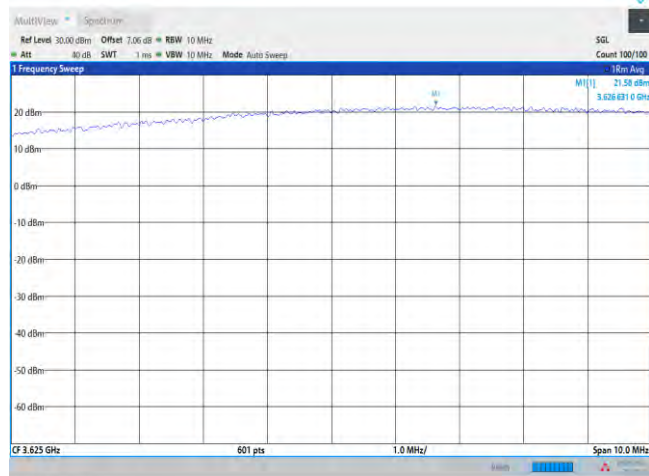
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Band48-5MHz-QPSK-55990-1RB#12



Band48-5MHz-QPSK-55990-1RB#24



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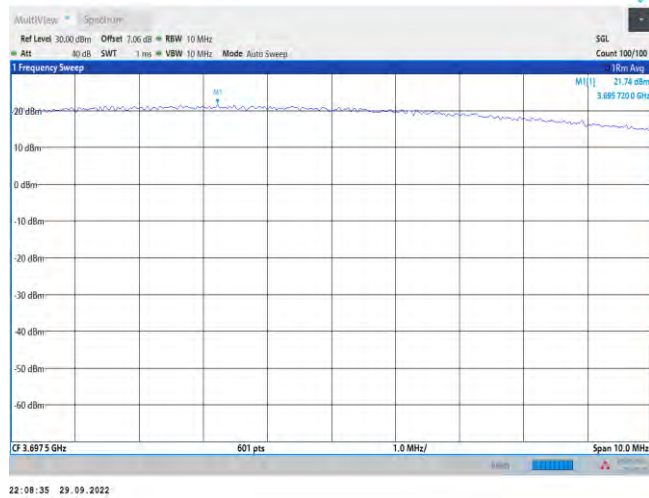
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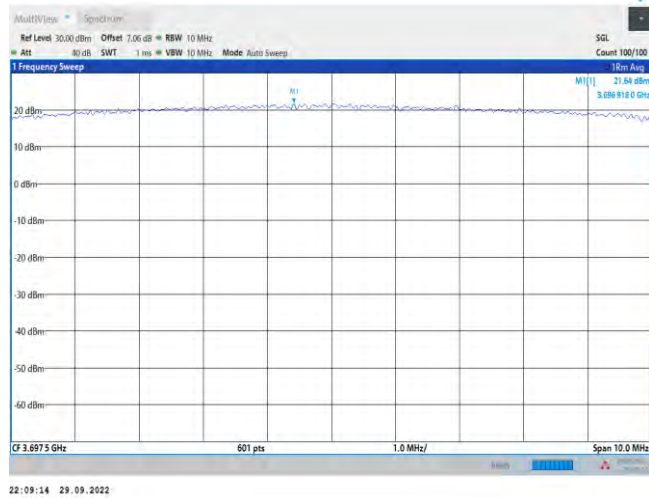
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Band48-5MHz-QPSK-56715-1RB#0



Band48-5MHz-QPSK-56715-1RB#12



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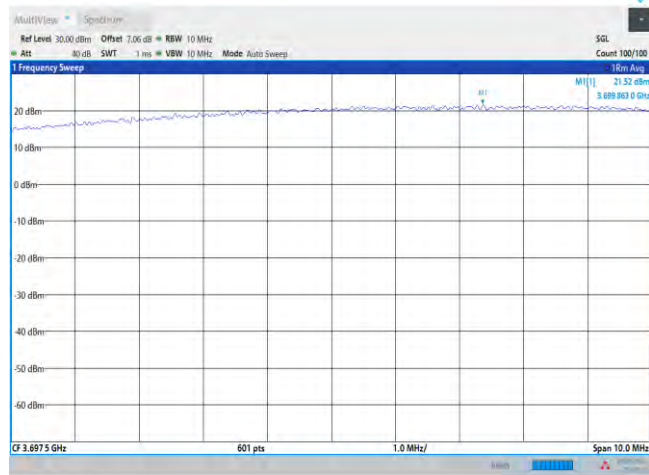
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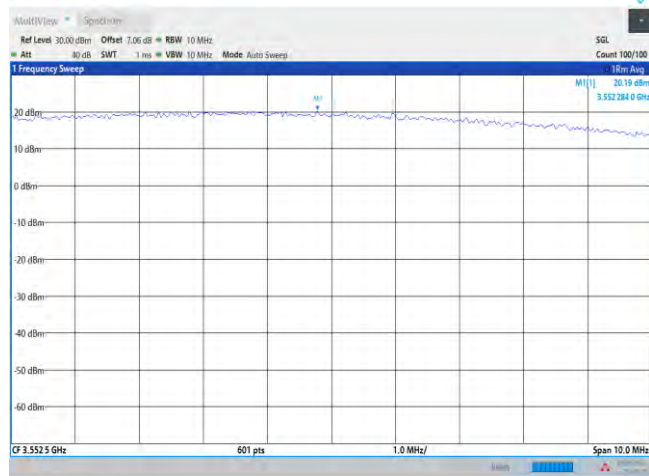
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Band48-5MHz-QPSK-56715-1RB#24



Band48-5MHz-16QAM-55265-1RB#0

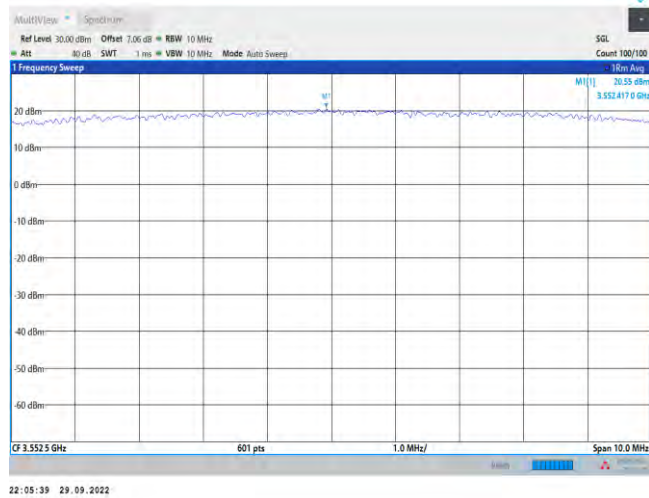


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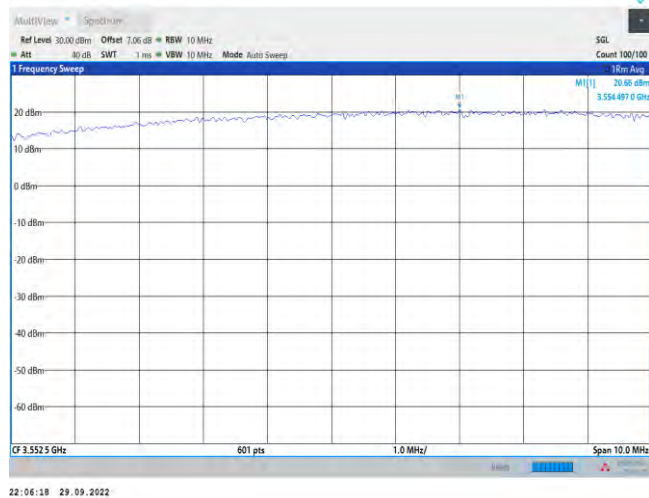
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Band48-5MHz-16QAM-55265-1RB#12



Band48-5MHz-16QAM-55265-1RB#24

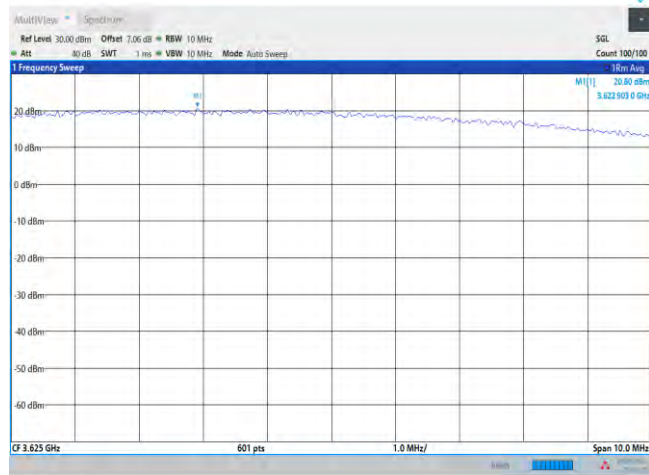


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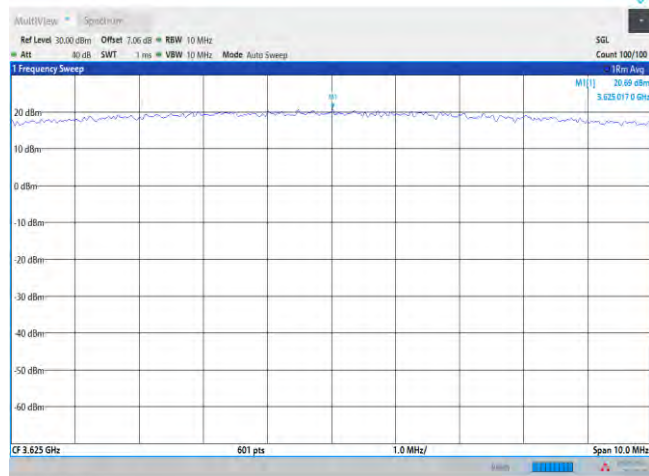
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Band48-5MHz-16QAM-55990-1RB#0



Band48-5MHz-16QAM-55990-1RB#12

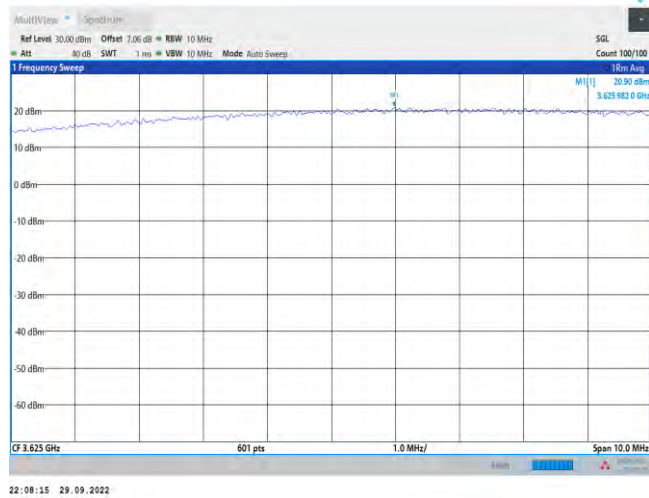


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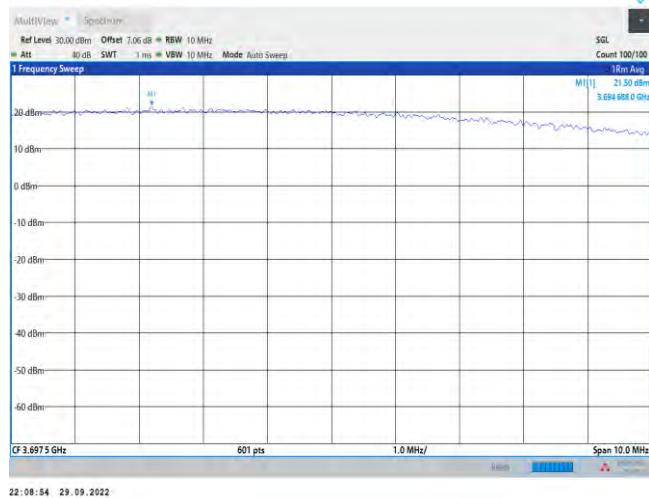
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Band48-5MHz-16QAM-55990-1RB#24



Band48-5MHz-16QAM-56715-1RB#0



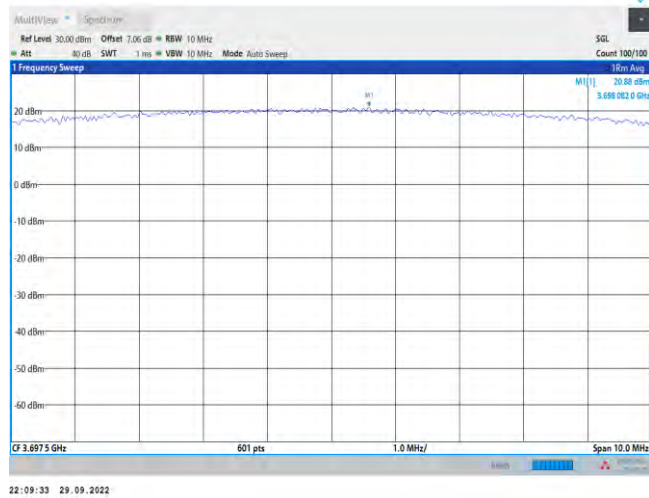
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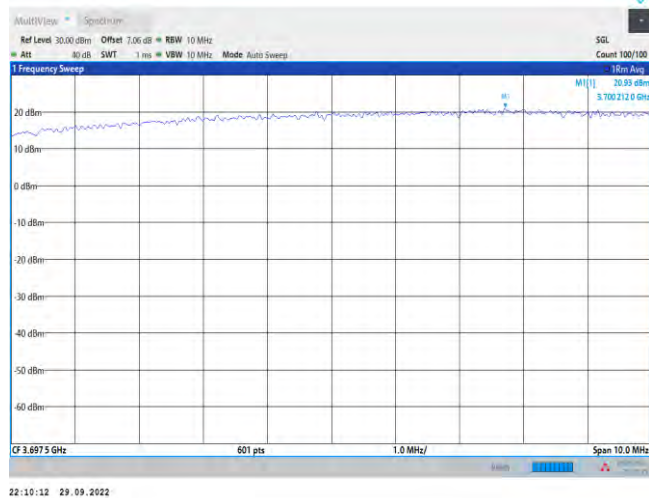
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Band48-5MHz-16QAM-56715-1RB#24

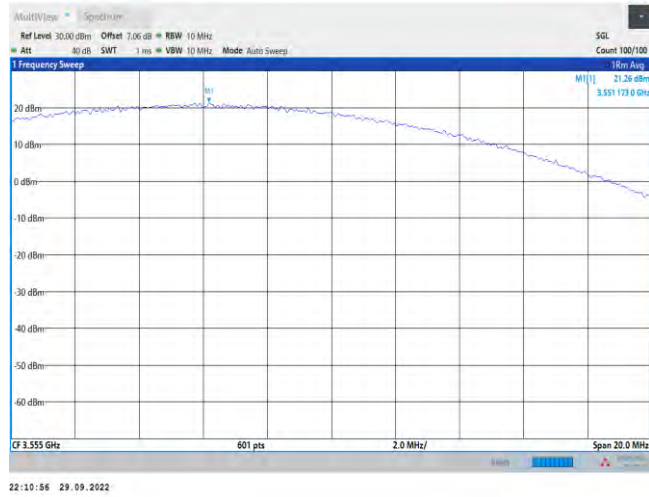


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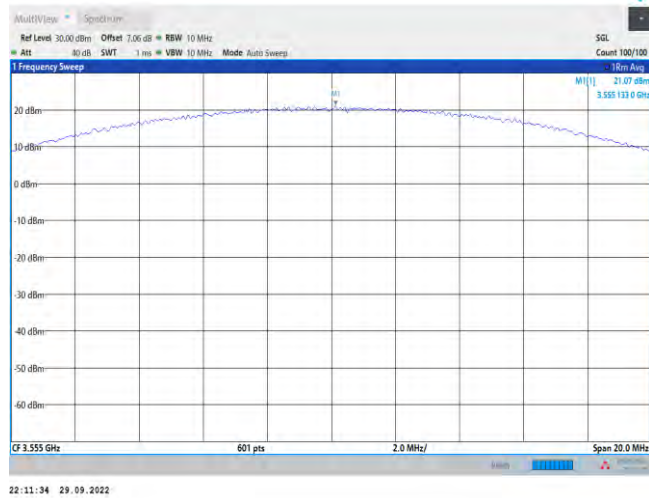
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Band48-10MHz-QPSK-55290-1RB#0



Band48-10MHz-QPSK-55290-1RB#24



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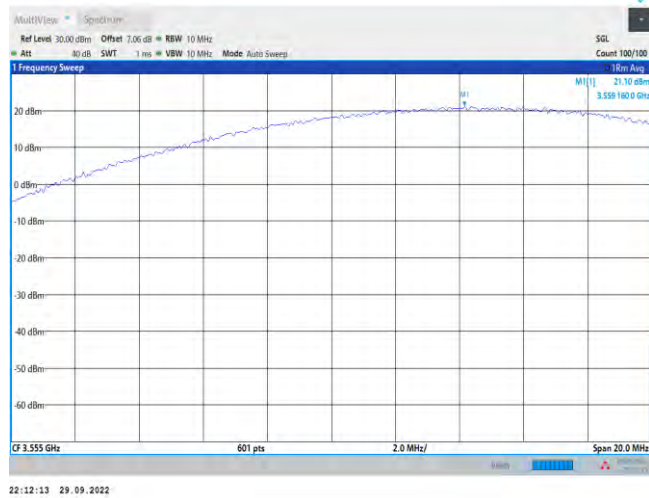
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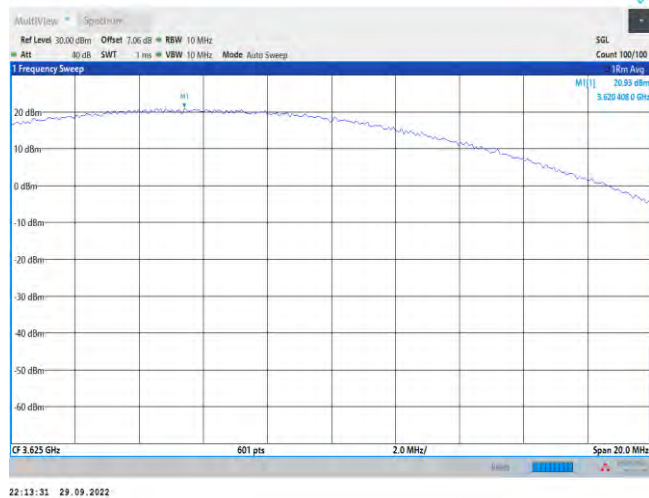
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Band48-10MHz-QPSK-55990-1RB#0



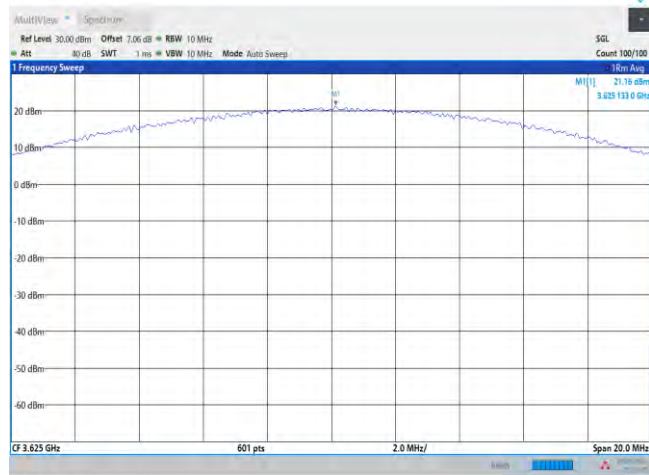
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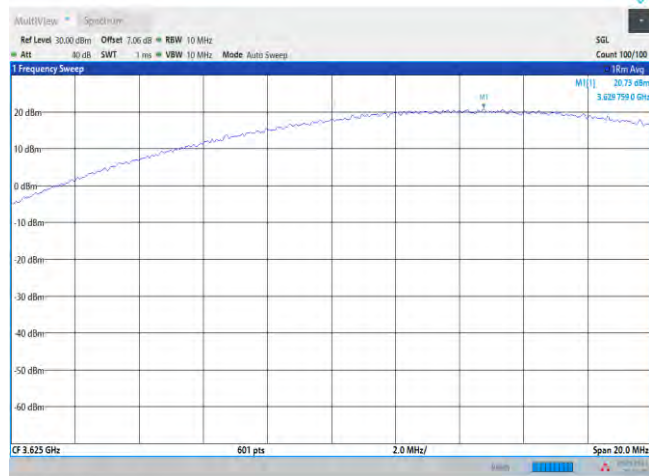
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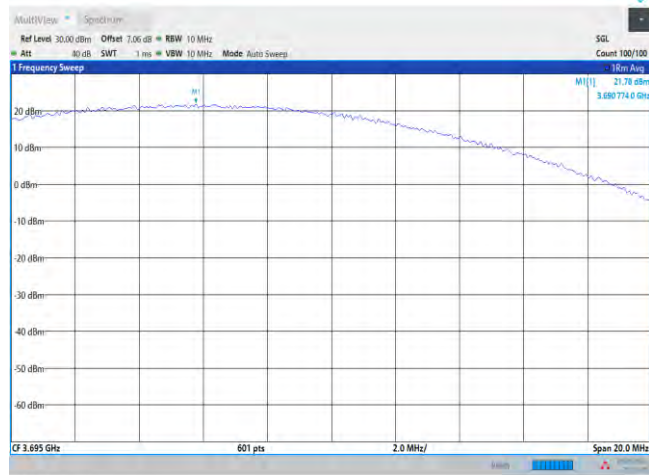


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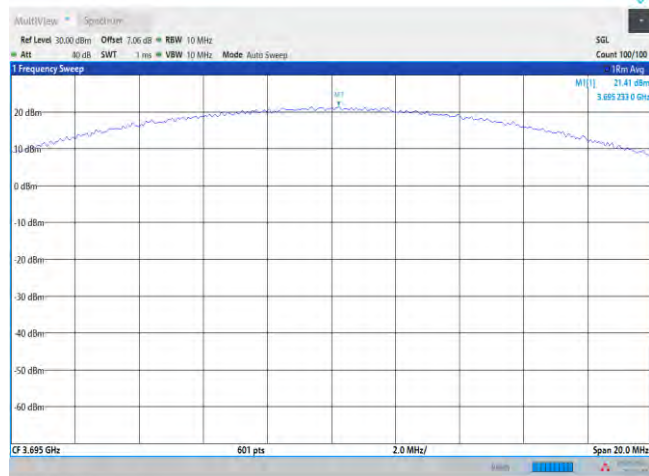


Band48-10MHz-QPSK-56690-1RB#0



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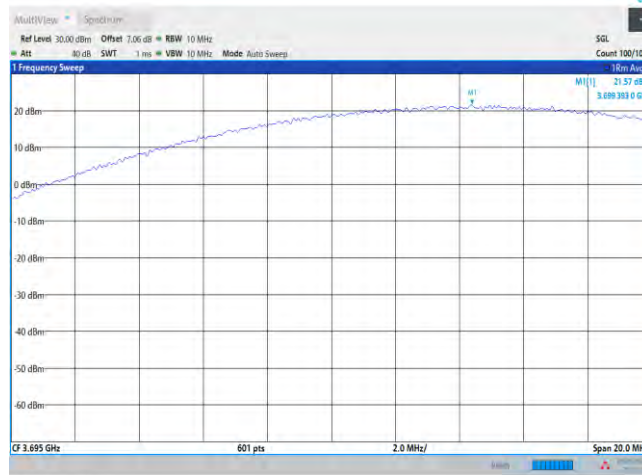
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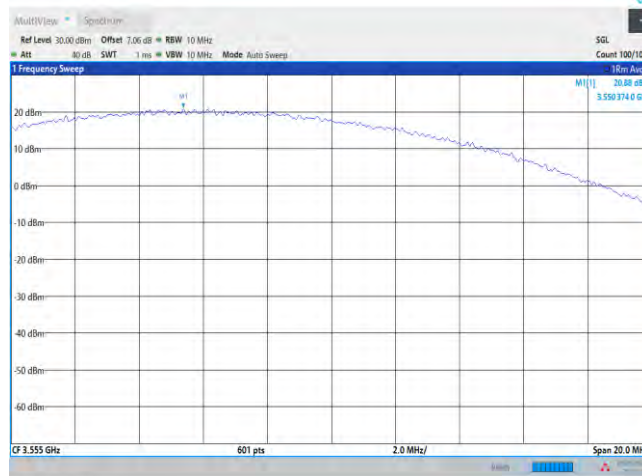
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Band48-10MHz-16QAM-55290-1RB#0

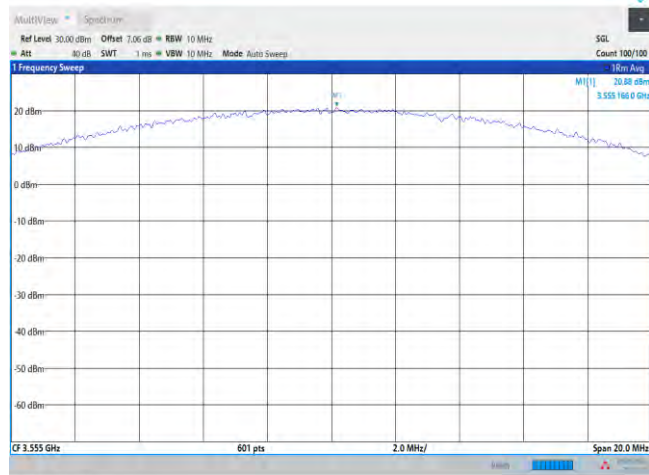


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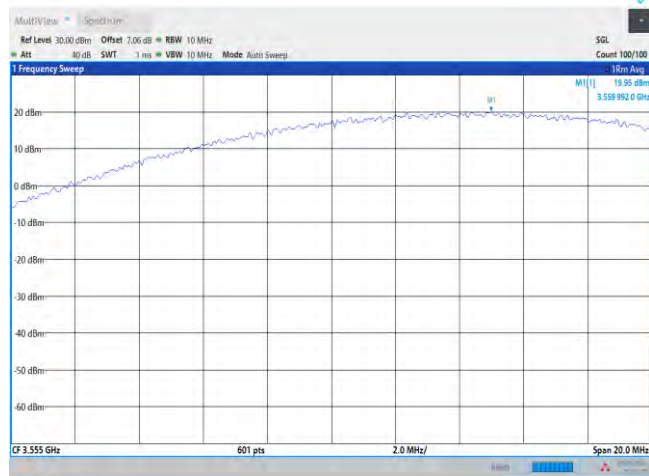
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Band48-10MHz-16QAM-55290-1RB#24



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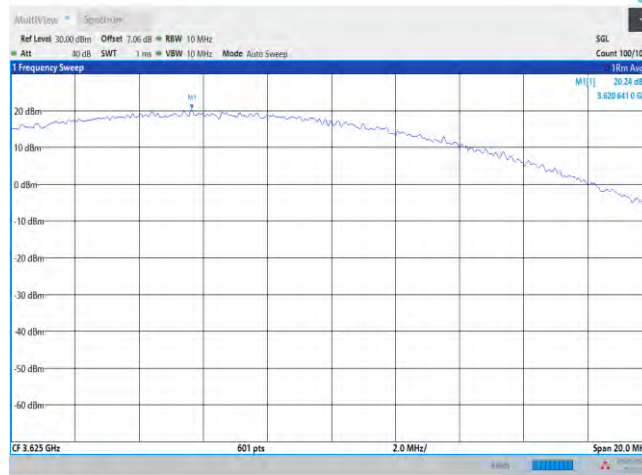


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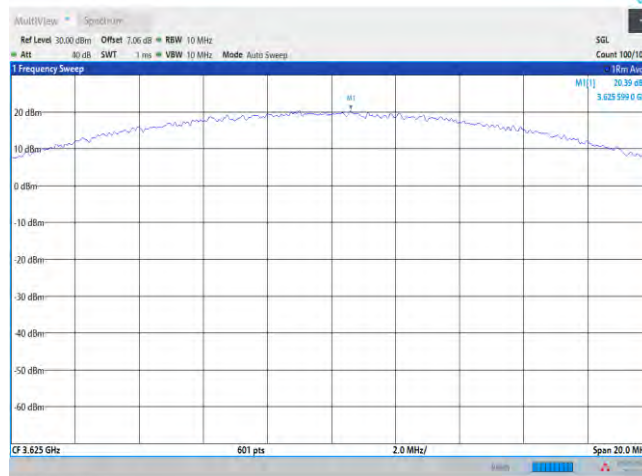
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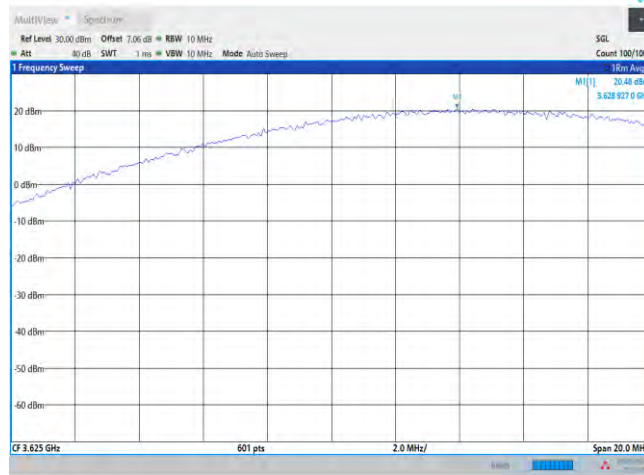


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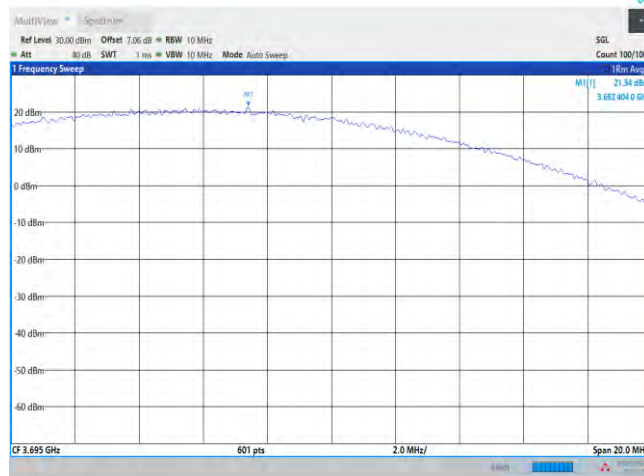
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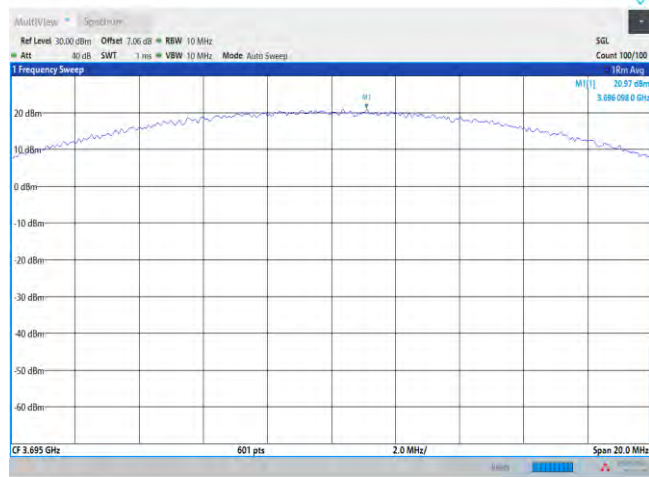


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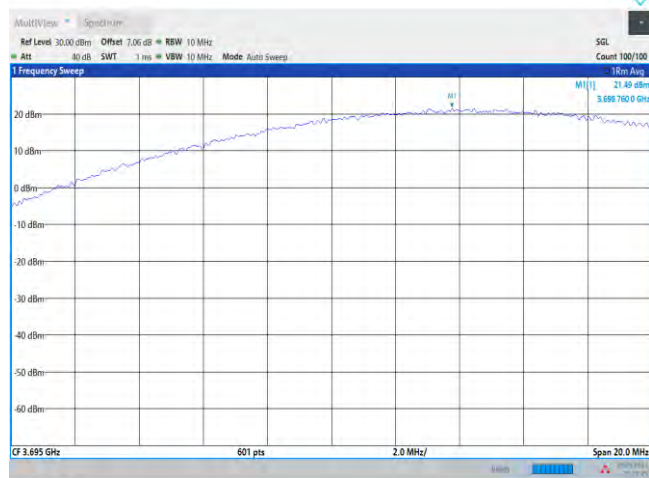
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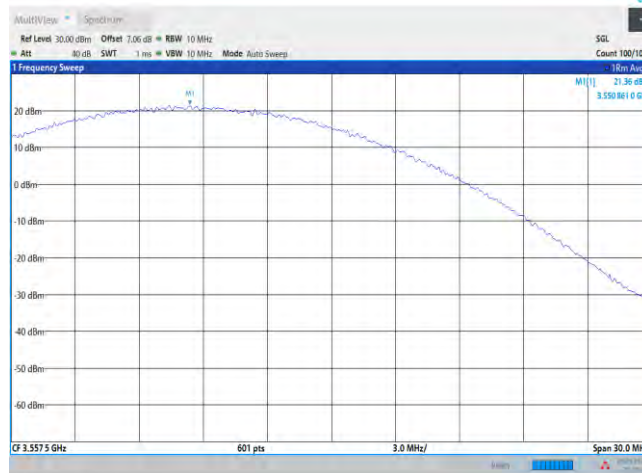


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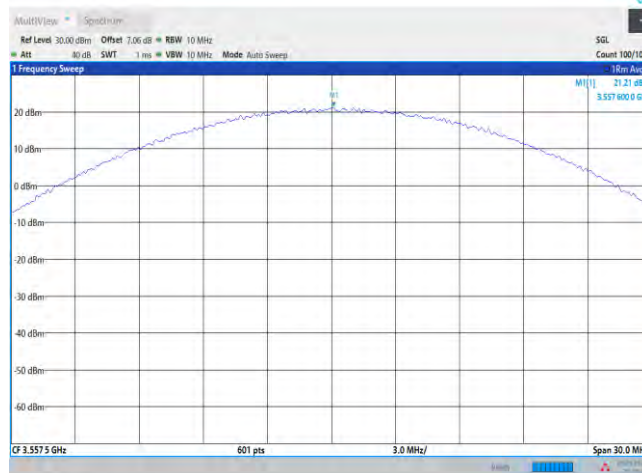
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Band48-15MHz-QPSK-55315-1RB#0



Band48-15MHz-QPSK-55315-1RB#38

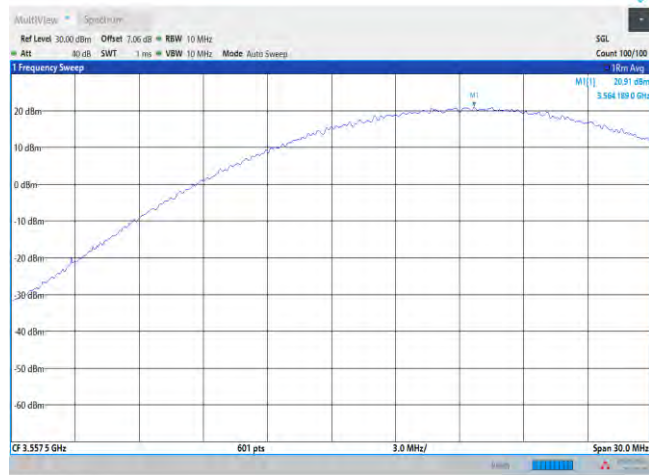


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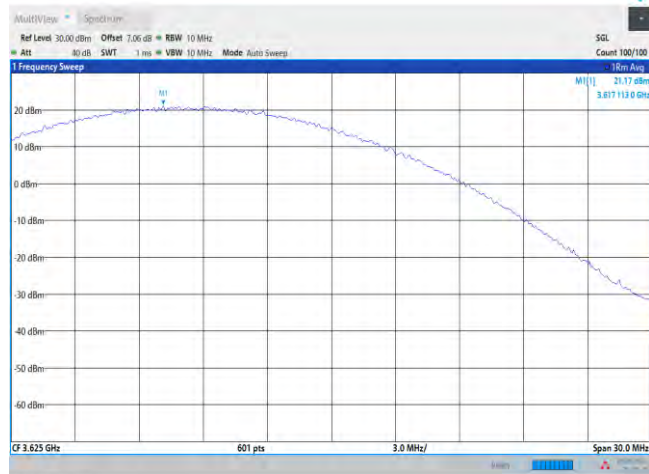
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Band48-15MHz-QPSK-55315-1RB#74



Band48-15MHz-QPSK-55990-1RB#0

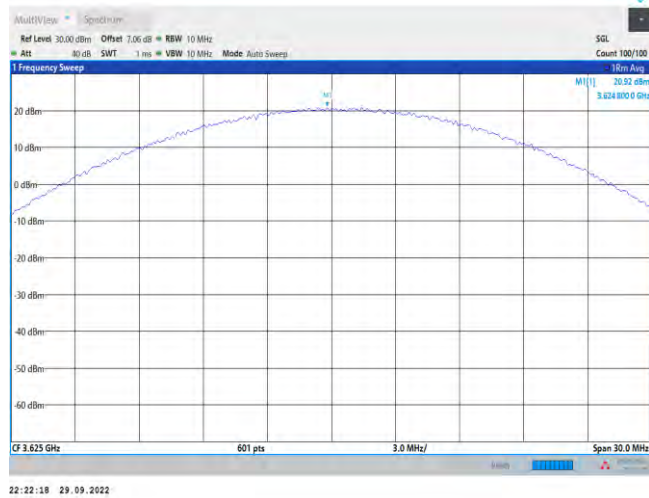


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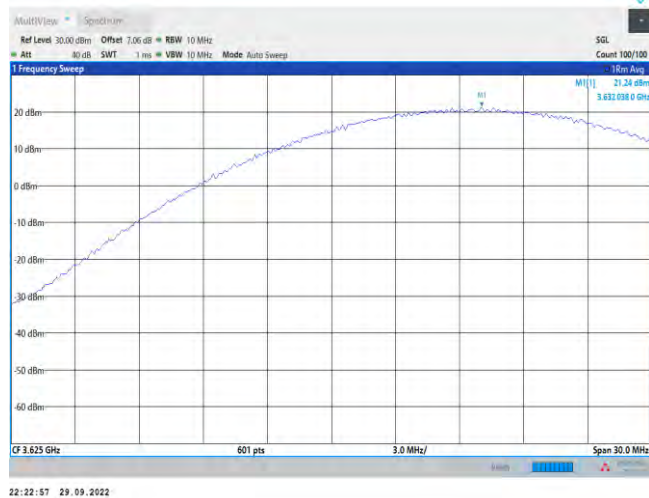


Band48-15MHz-QPSK-55990-1RB#38



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Band48-15MHz-QPSK-55990-1RB#74



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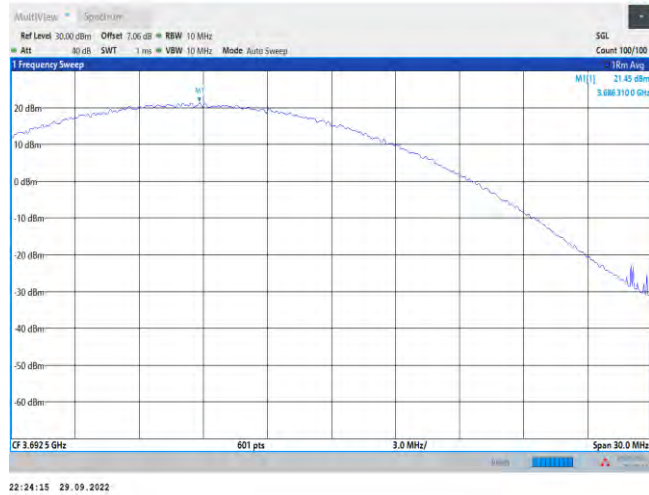
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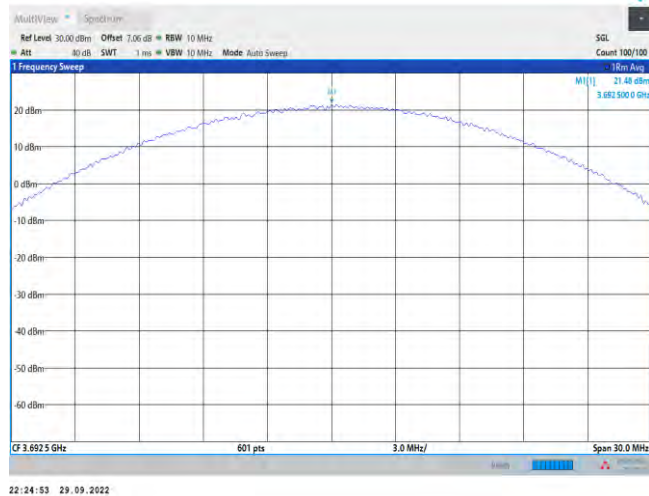
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Band48-15MHz-QPSK-56665-1RB#0



Band48-15MHz-QPSK-56665-1RB#38

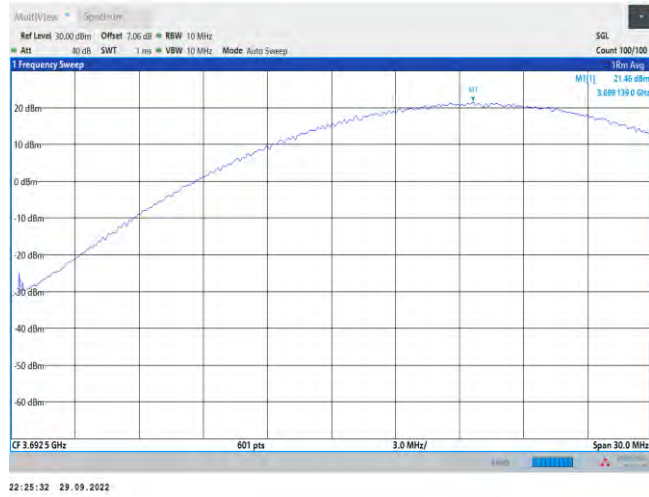


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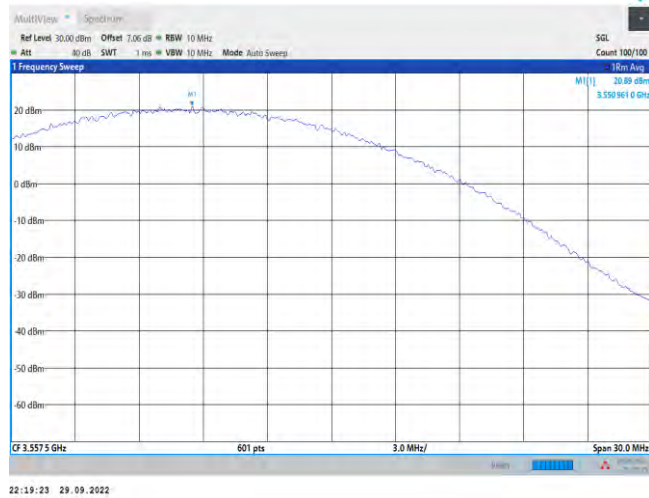
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Band48-15MHz-QPSK-56665-1RB#74



Band48-15MHz-16QAM-55315-1RB#0

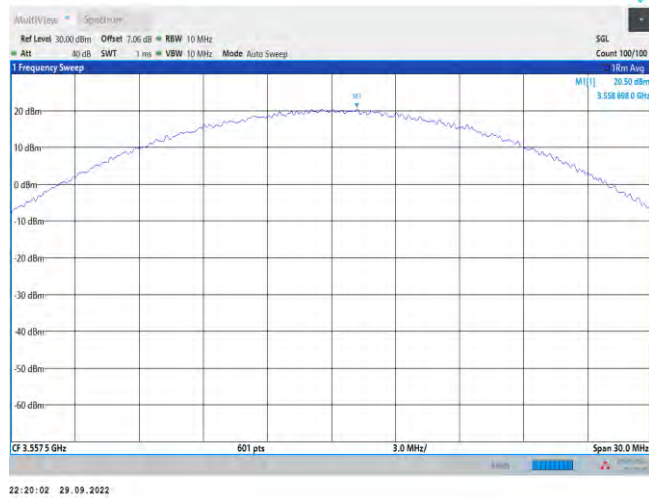


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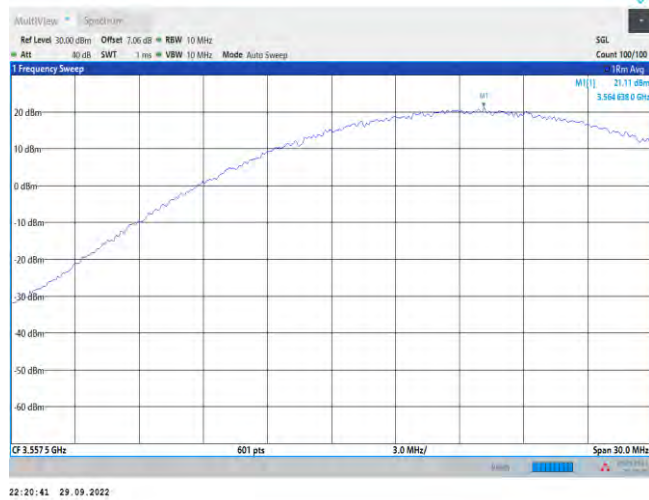
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Band48-15MHz-16QAM-55315-1RB#38



Band48-15MHz-16QAM-55315-1RB#74

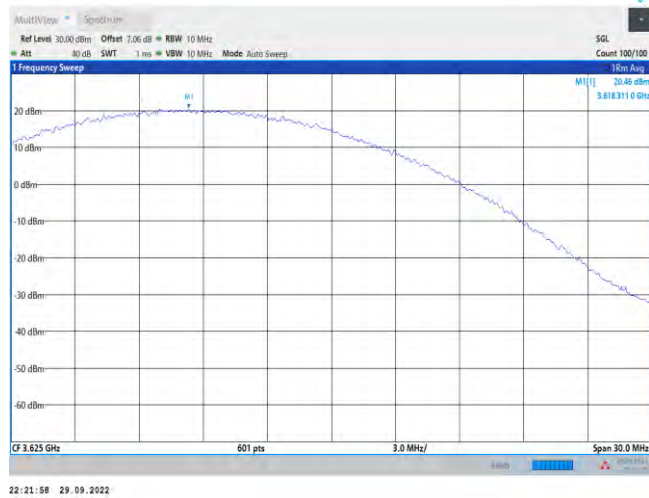


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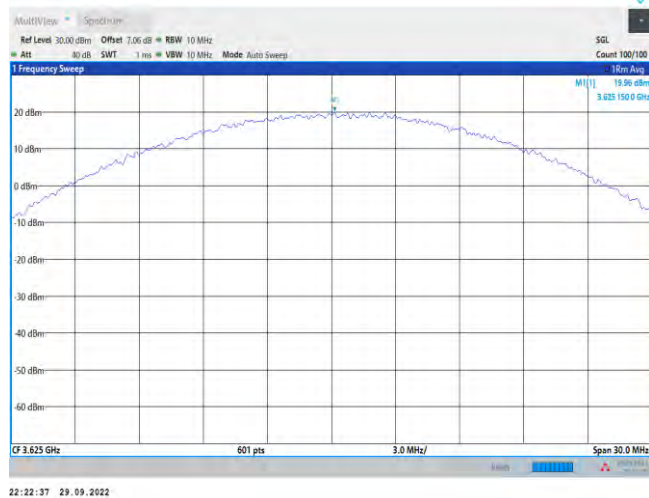
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Band48-15MHz-16QAM-55990-1RB#0



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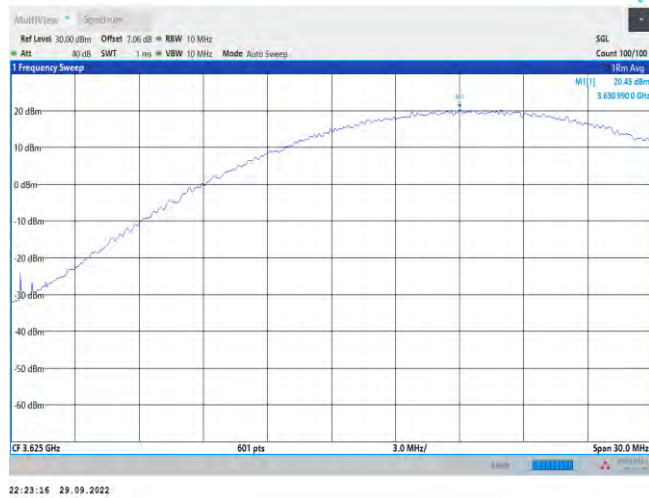


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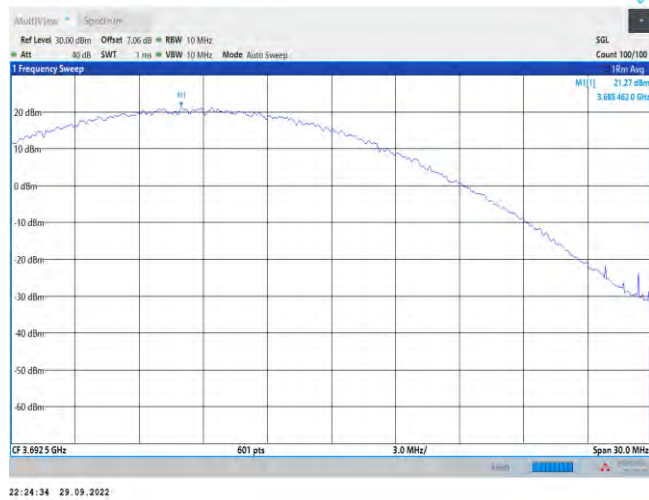
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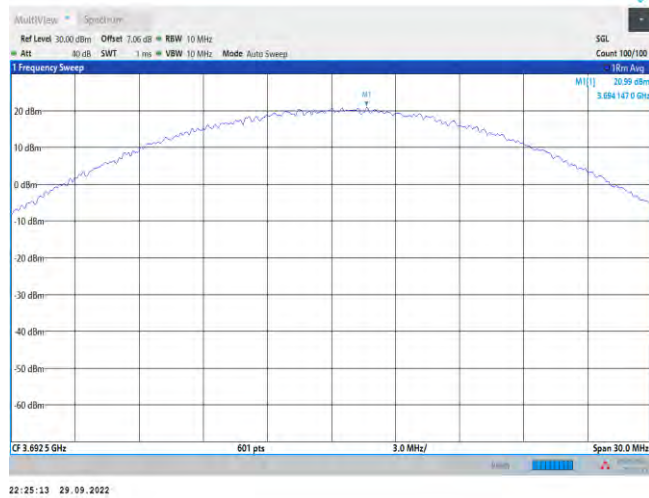


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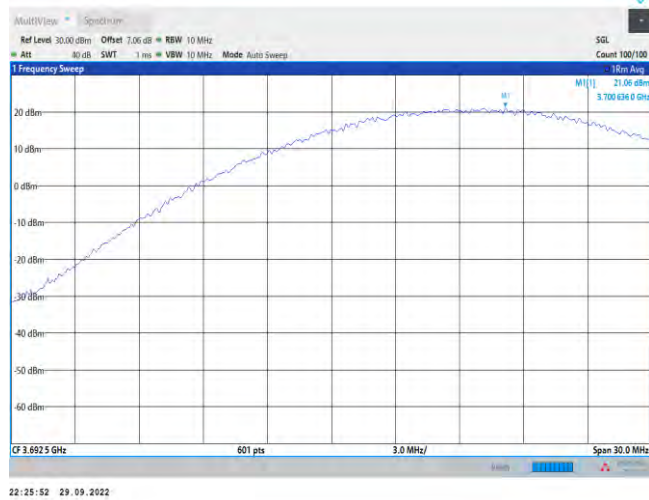
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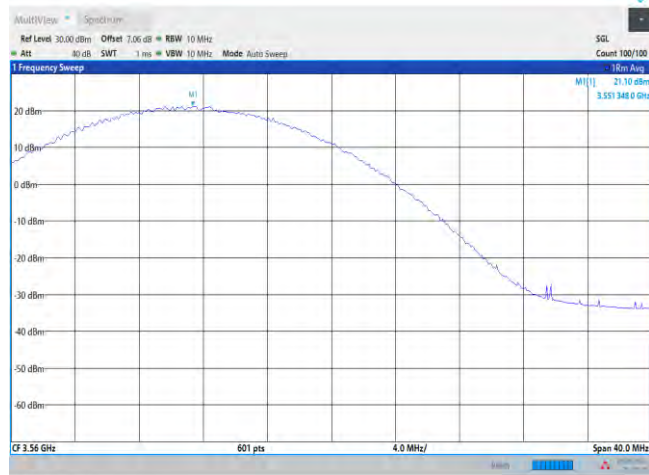
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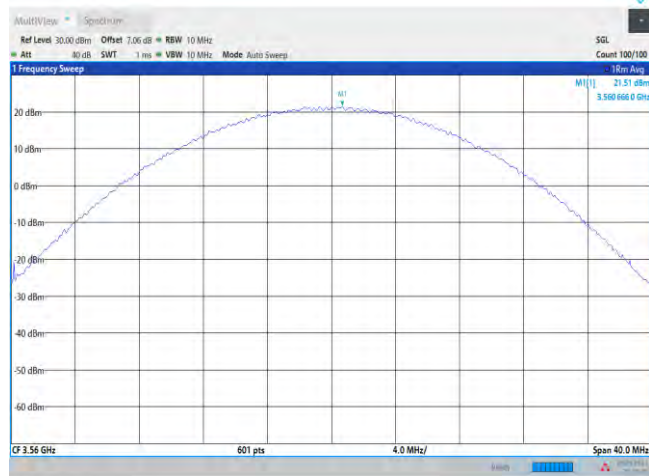
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Band48-20MHz-QPSK-55340-1RB#0



Band48-20MHz-QPSK-55340-1RB#49

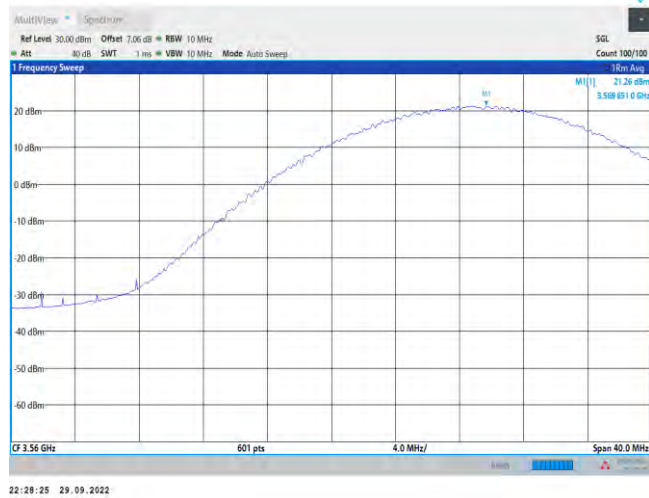


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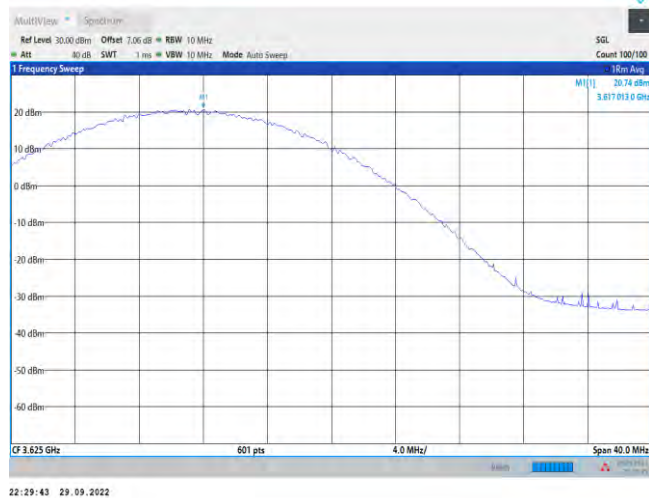


Band48-20MHz-QPSK-55340-1RB#99



22:28:25 29.09.2022

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22:29:43 29.09.2022



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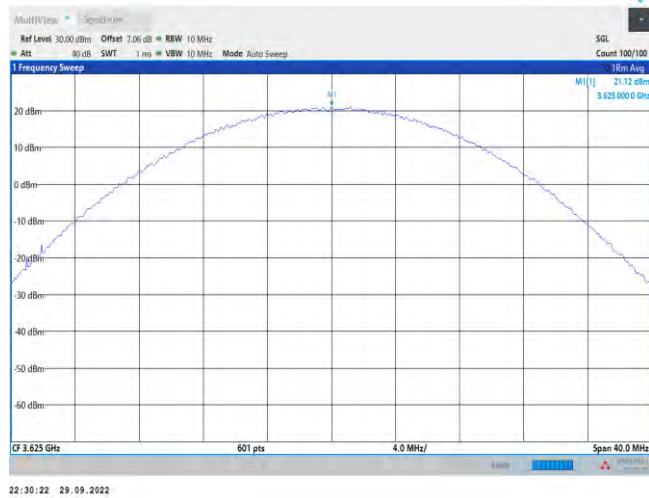
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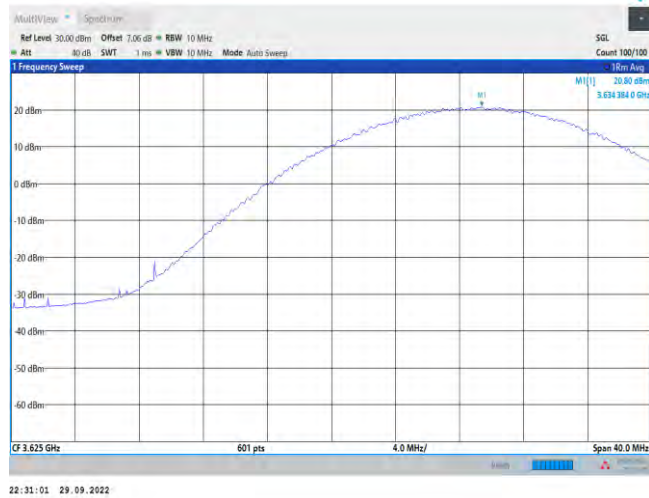
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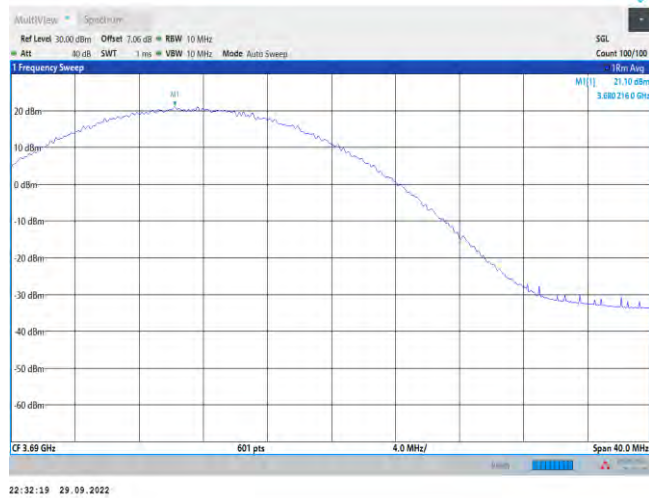
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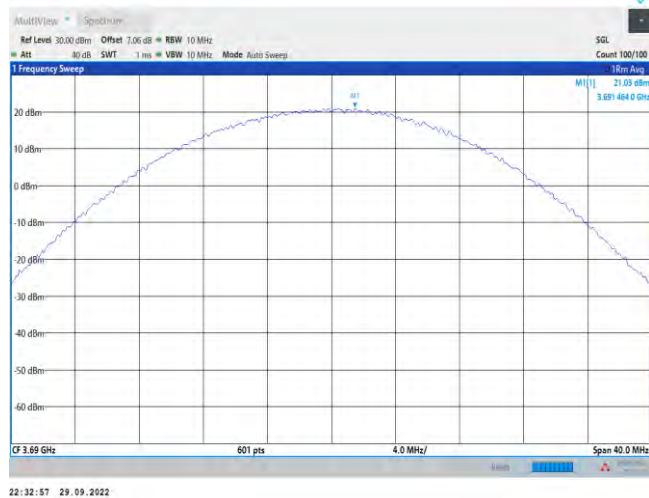
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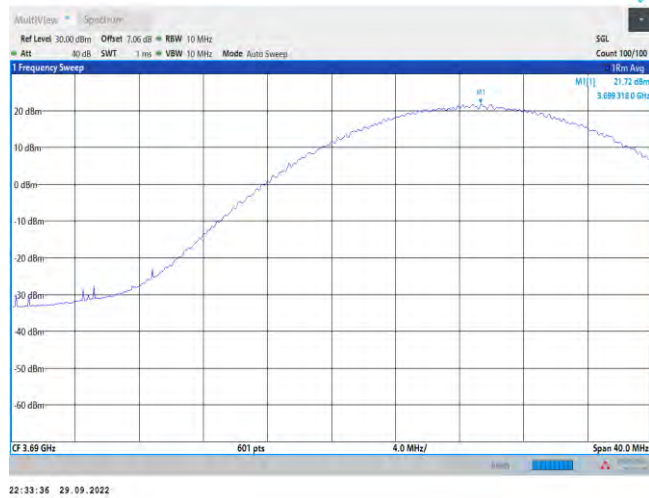


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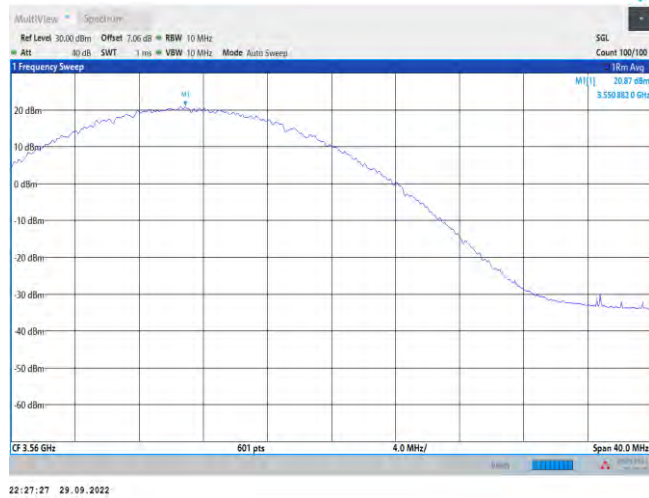
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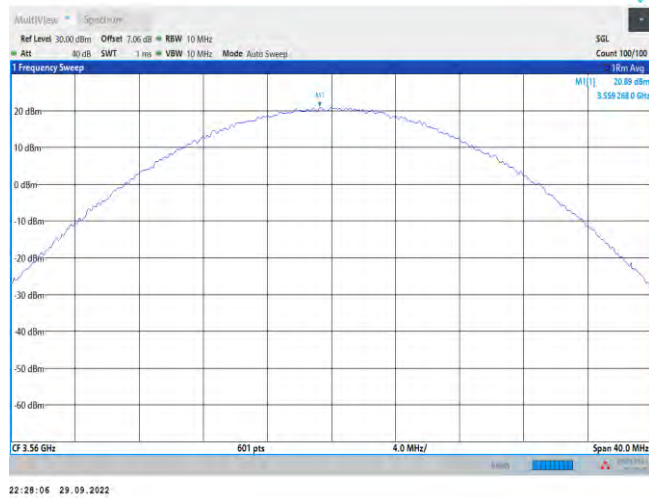


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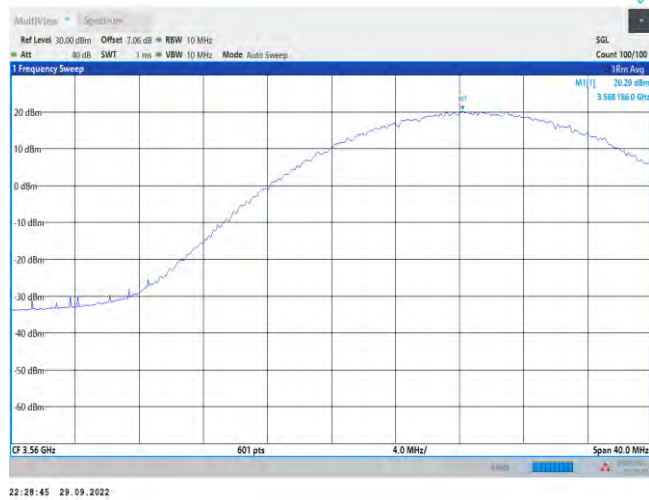
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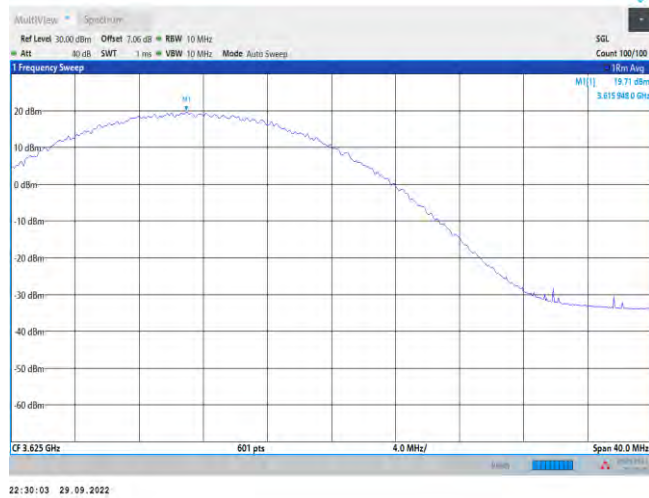


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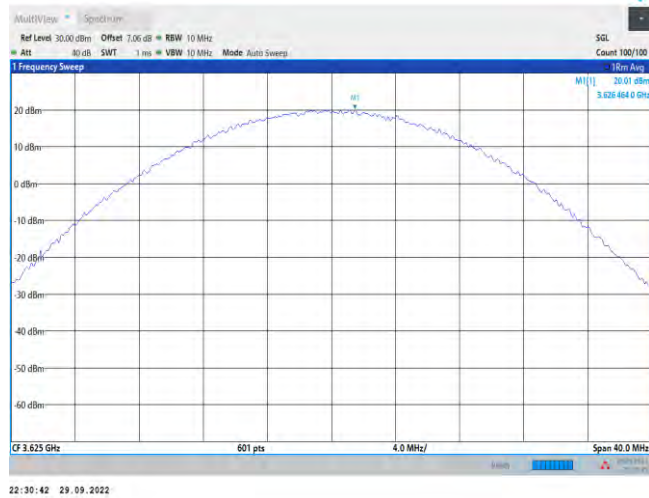
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Band48-20MHz-16QAM-55990-1RB#49

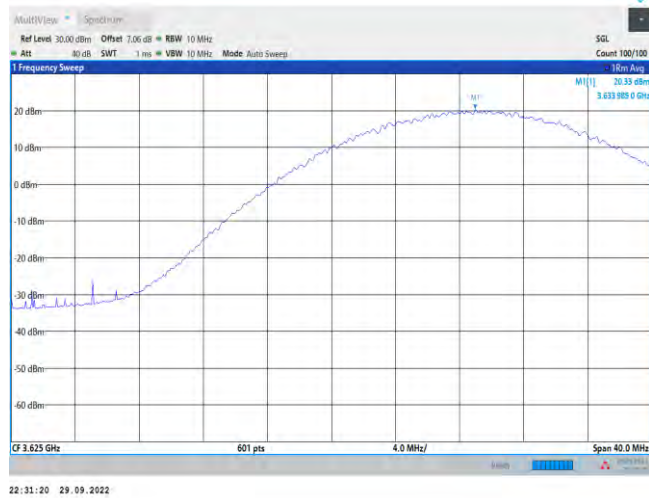


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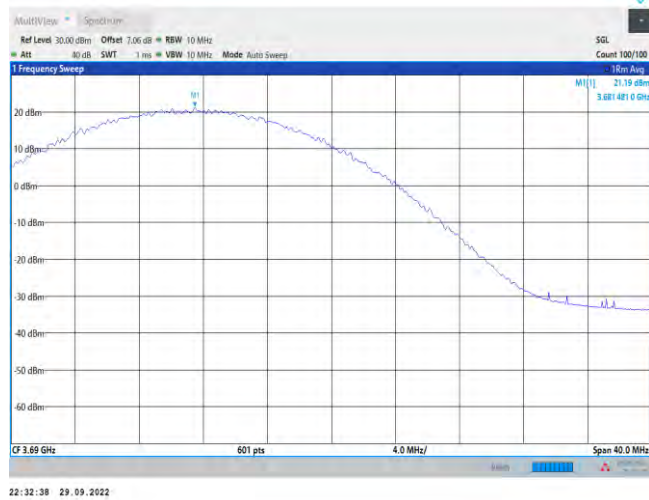
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Band48-20MHz-16QAM-55990-1RB#99



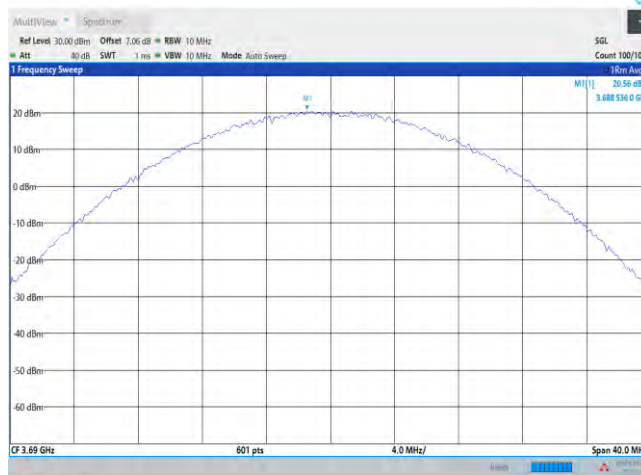
Band48-20MHz-16QAM-56640-1RB#0



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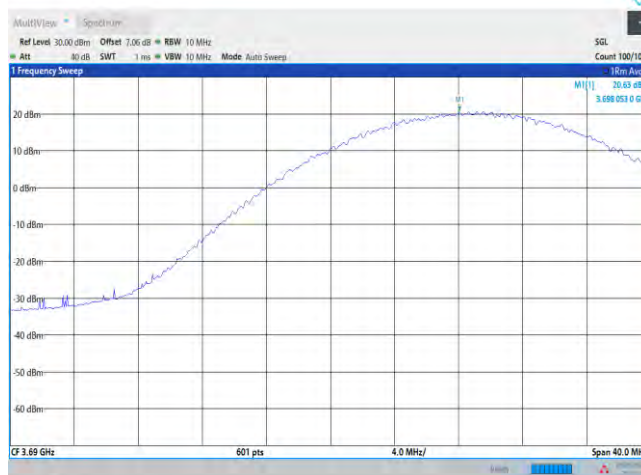
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Band48-20MHz-16QAM-56640-1RB#49



22:33:17 29.09.2022

Band48-20MHz-16QAM-56640-1RB#99



22:33:55 29.09.2022



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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	8.96	13	PASS
Band48	20MHz	QPSK	55990	100RB#0	9.40	13	PASS
Band48	20MHz	QPSK	56640	100RB#0	9.36	13	PASS
Band48	20MHz	16QAM	55340	100RB#0	9.68	13	PASS
Band48	20MHz	16QAM	55990	100RB#0	9.80	13	PASS
Band48	20MHz	16QAM	56640	100RB#0	9.84	13	PASS
Band48	20MHz	64QAM	55340	100RB#0	9.90	13	PASS
Band48	20MHz	64QAM	55990	100RB#0	9.88	13	PASS
Band48	20MHz	64QAM	56640	100RB#0	10.18	13	PASS
Band48	20MHz	256QAM	55340	100RB#0	10.16	13	PASS
Band48	20MHz	256QAM	55990	100RB#0	10.24	13	PASS
Band48	20MHz	256QAM	56640	100RB#0	10.22	13	PASS

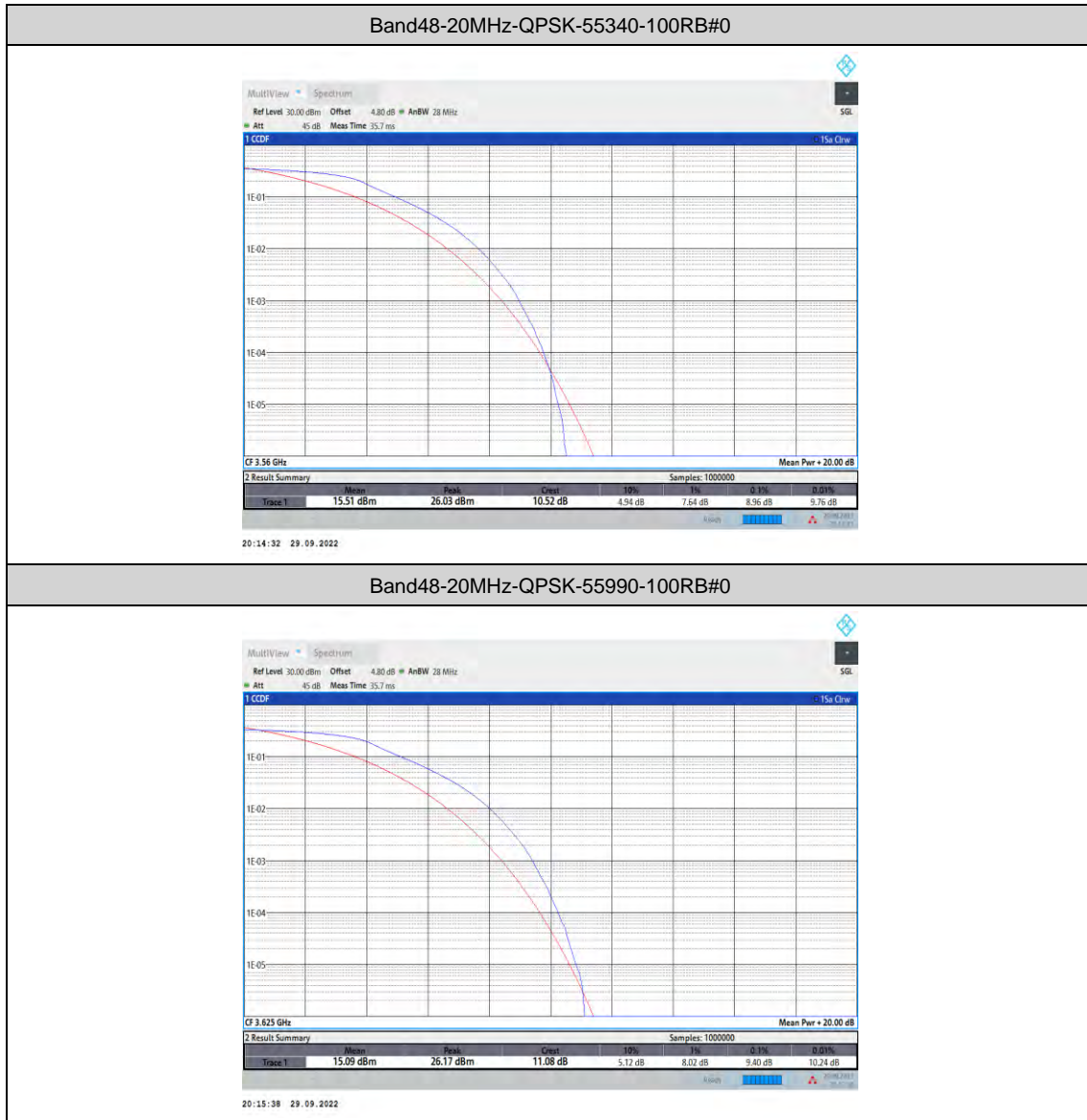


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Test Graphs

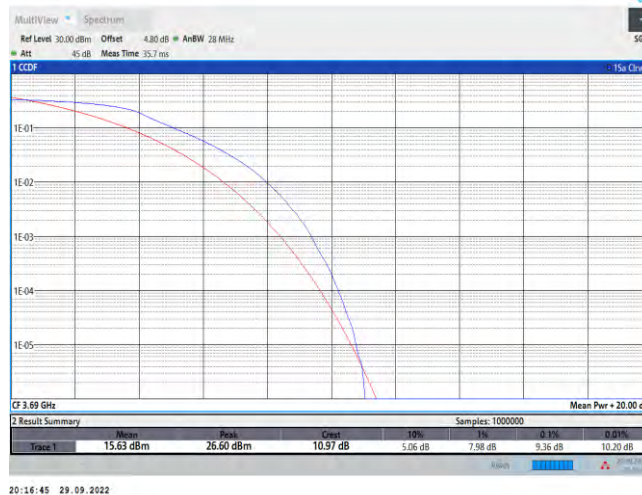


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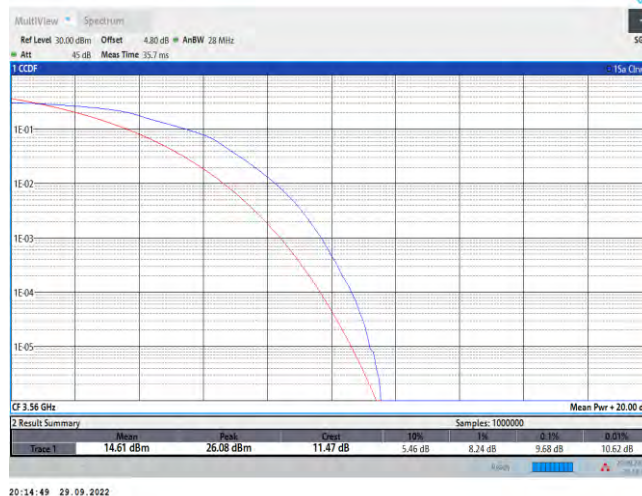


Band48-20MHz-QPSK-56640-100RB#0



20:16:45 29.09.2022

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



20:14:49 29.09.2022



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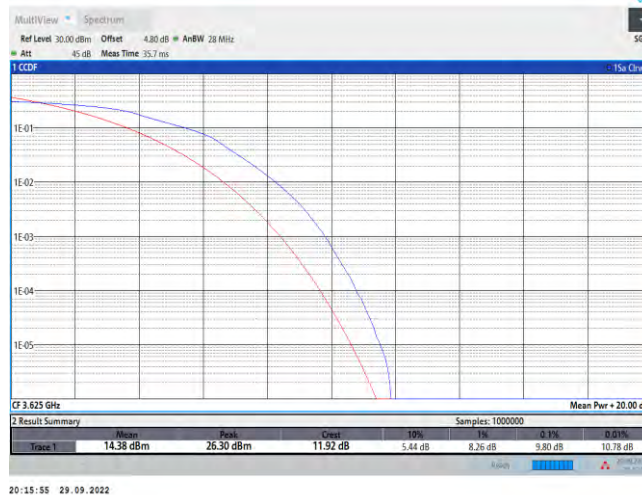
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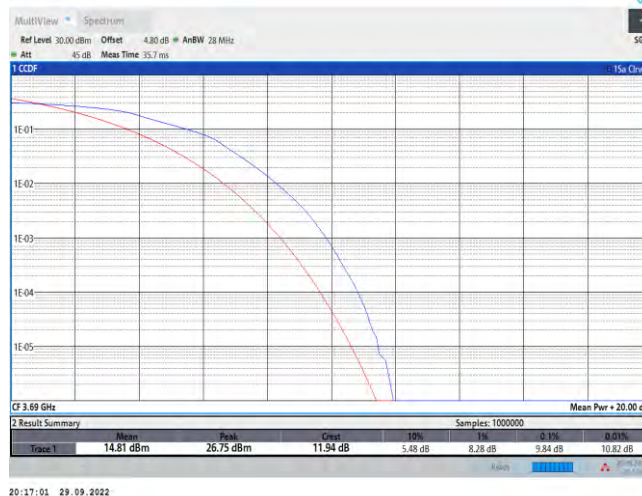


Band48-20MHz-16QAM-55990-100RB#0



20:15:55 29.09.2022

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



20:17:01 29.09.2022

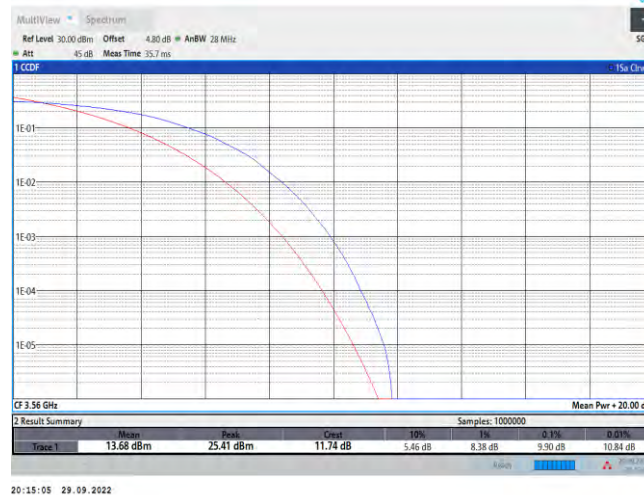


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Band48-20MHz-64QAM-55340-100RB#0



20:15:05 29.09.2022

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

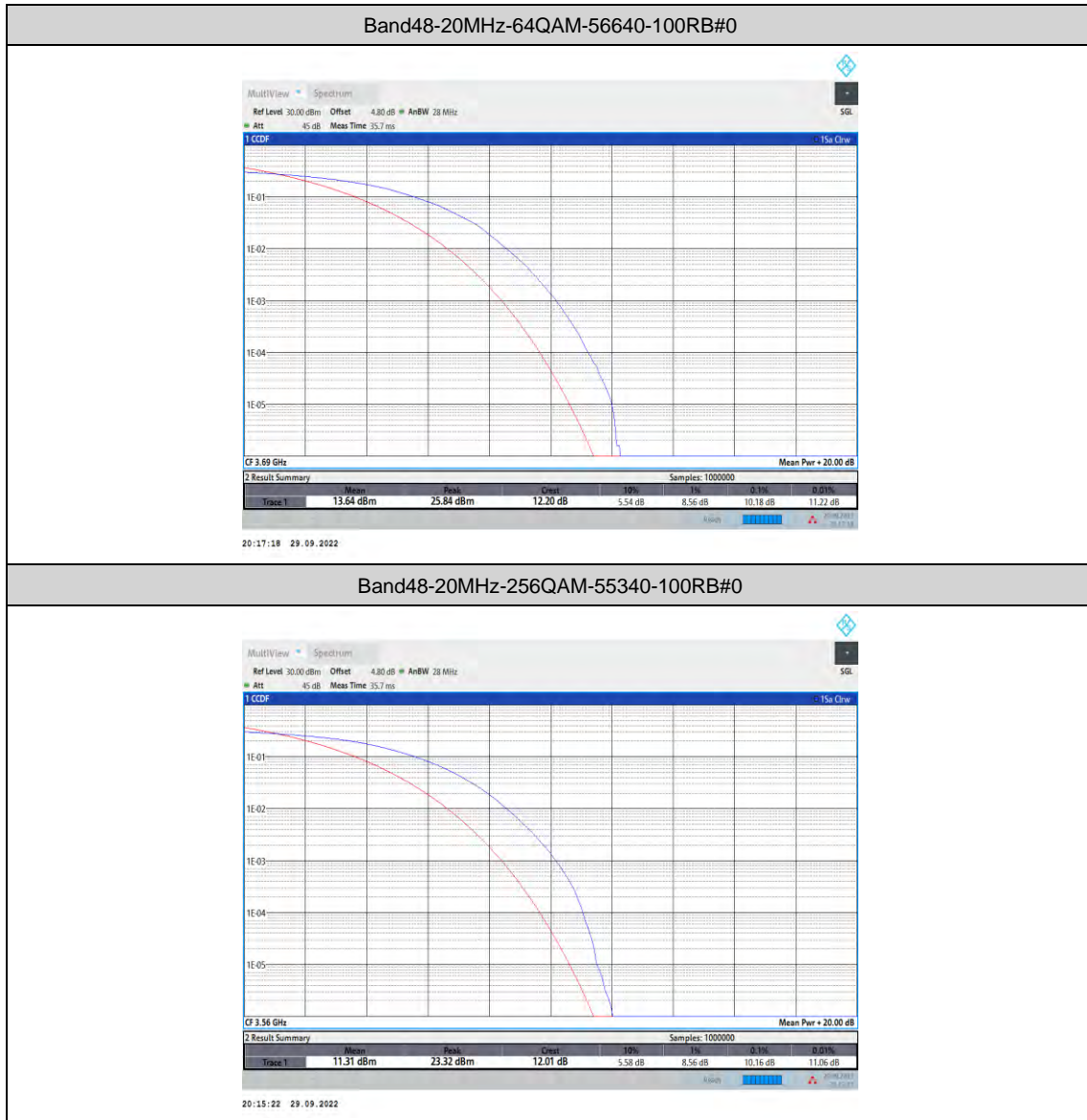


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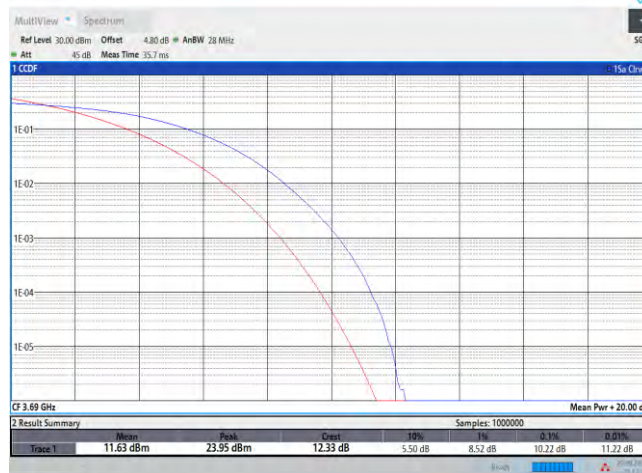


Band48-20MHz-256QAM-55990-100RB#0



20:16:28 29.09.2022

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



20:17:34 29.09.2022



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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	4.483	4.92	PASS
Band48	5MHz	QPSK	55990	25RB#0	4.509	4.88	PASS
Band48	5MHz	QPSK	56715	25RB#0	4.51	4.82	PASS
Band48	5MHz	16QAM	55265	25RB#0	4.491	5.04	PASS
Band48	5MHz	16QAM	55990	25RB#0	4.493	5.08	PASS
Band48	5MHz	16QAM	56715	25RB#0	4.493	5.09	PASS
Band48	5MHz	64QAM	55265	25RB#0	4.501	4.98	PASS
Band48	5MHz	64QAM	55990	25RB#0	4.505	4.98	PASS
Band48	5MHz	64QAM	56715	25RB#0	4.503	4.99	PASS
Band48	5MHz	256QAM	55265	25RB#0	4.48	5.04	PASS
Band48	5MHz	256QAM	55990	25RB#0	4.48	4.99	PASS
Band48	5MHz	256QAM	56715	25RB#0	4.477	5.12	PASS
Band48	10MHz	QPSK	55290	50RB#0	8.949	10.23	PASS
Band48	10MHz	QPSK	55990	50RB#0	8.967	10.27	PASS
Band48	10MHz	QPSK	56690	50RB#0	8.966	10.93	PASS
Band48	10MHz	16QAM	55290	50RB#0	8.967	10.97	PASS
Band48	10MHz	16QAM	55990	50RB#0	8.969	12.10	PASS
Band48	10MHz	16QAM	56690	50RB#0	8.998	12.20	PASS
Band48	10MHz	64QAM	55290	50RB#0	8.985	10.63	PASS
Band48	10MHz	64QAM	55990	50RB#0	8.983	11.20	PASS
Band48	10MHz	64QAM	56690	50RB#0	8.989	11.77	PASS
Band48	10MHz	256QAM	55290	50RB#0	8.964	9.80	PASS
Band48	10MHz	256QAM	55990	50RB#0	8.945	9.70	PASS
Band48	10MHz	256QAM	56690	50RB#0	8.967	10.13	PASS
Band48	15MHz	QPSK	55315	75RB#0	13.493	18.75	PASS
Band48	15MHz	QPSK	55990	75RB#0	13.488	20.00	PASS
Band48	15MHz	QPSK	56665	75RB#0	13.501	17.90	PASS



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Band48	15MHz	16QAM	55315	75RB#0	13.486	16.90	PASS
Band48	15MHz	16QAM	55990	75RB#0	13.476	18.25	PASS
Band48	15MHz	16QAM	56665	75RB#0	13.496	19.40	PASS
Band48	15MHz	64QAM	55315	75RB#0	13.464	16.65	PASS
Band48	15MHz	64QAM	55990	75RB#0	13.485	16.65	PASS
Band48	15MHz	64QAM	56665	75RB#0	13.485	17.70	PASS
Band48	15MHz	256QAM	55315	75RB#0	13.474	16.20	PASS
Band48	15MHz	256QAM	55990	75RB#0	13.458	16.80	PASS
Band48	15MHz	256QAM	56665	75RB#0	13.474	15.65	PASS
Band48	20MHz	QPSK	55340	100RB#0	18.024	24.40	PASS
Band48	20MHz	QPSK	55990	100RB#0	18.059	25.80	PASS
Band48	20MHz	QPSK	56640	100RB#0	18.05	20.73	PASS
Band48	20MHz	16QAM	55340	100RB#0	17.986	20.67	PASS
Band48	20MHz	16QAM	55990	100RB#0	17.986	24.40	PASS
Band48	20MHz	16QAM	56640	100RB#0	17.991	21.07	PASS
Band48	20MHz	64QAM	55340	100RB#0	17.98	21.33	PASS
Band48	20MHz	64QAM	55990	100RB#0	18.01	23.60	PASS
Band48	20MHz	64QAM	56640	100RB#0	17.974	20.13	PASS
Band48	20MHz	256QAM	55340	100RB#0	18.008	22.80	PASS
Band48	20MHz	256QAM	55990	100RB#0	18.01	23.47	PASS
Band48	20MHz	256QAM	56640	100RB#0	17.98	19.73	PASS

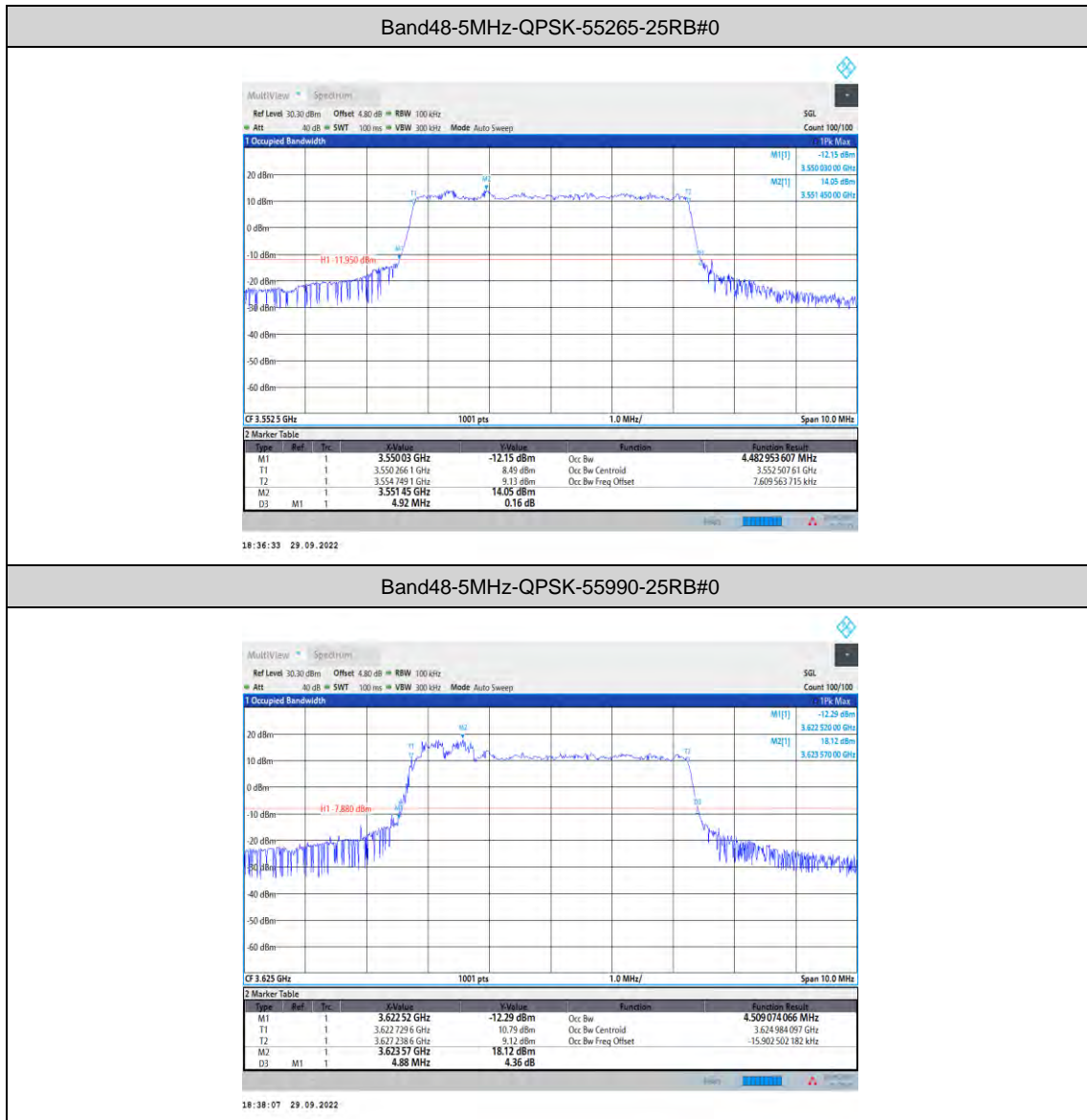


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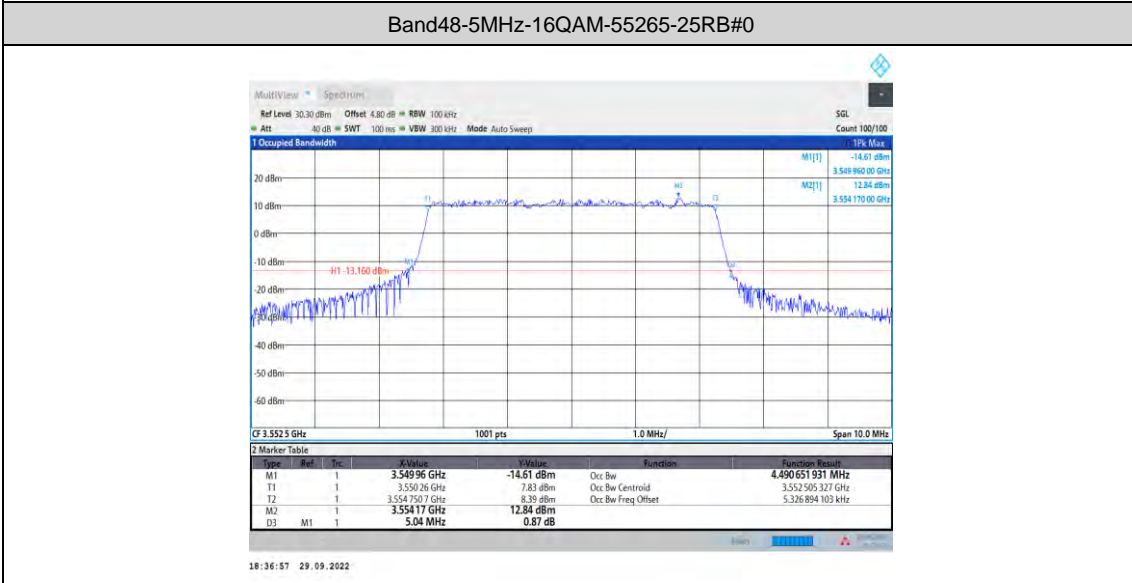
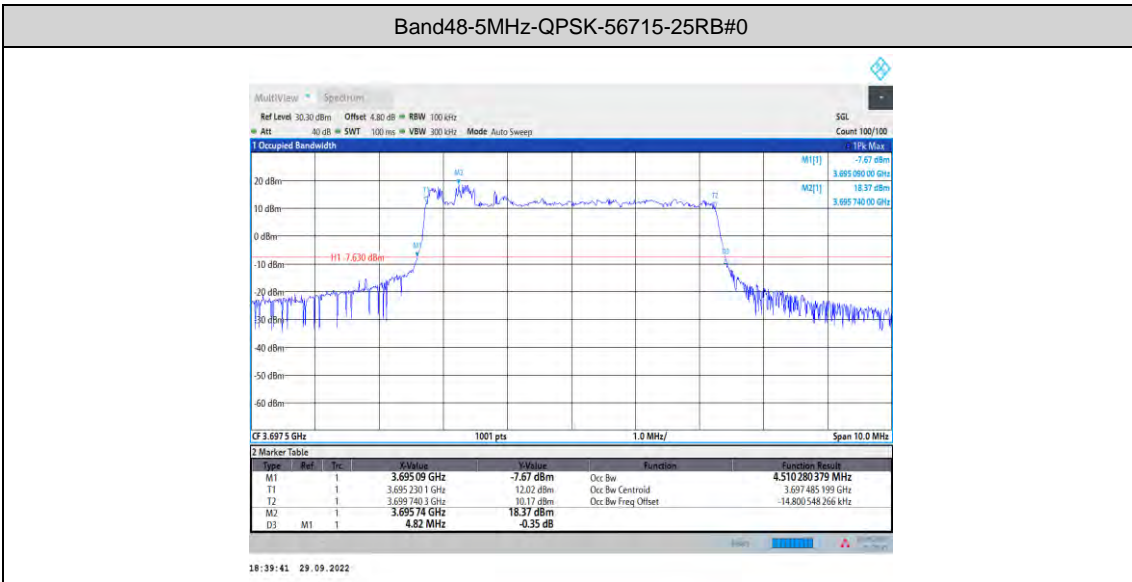
Test Graphs



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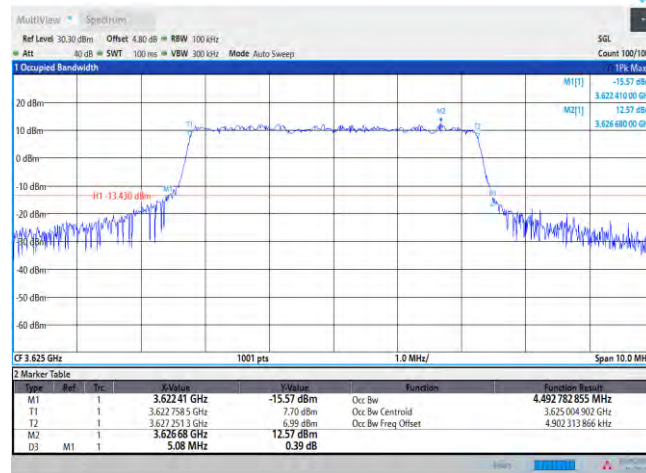
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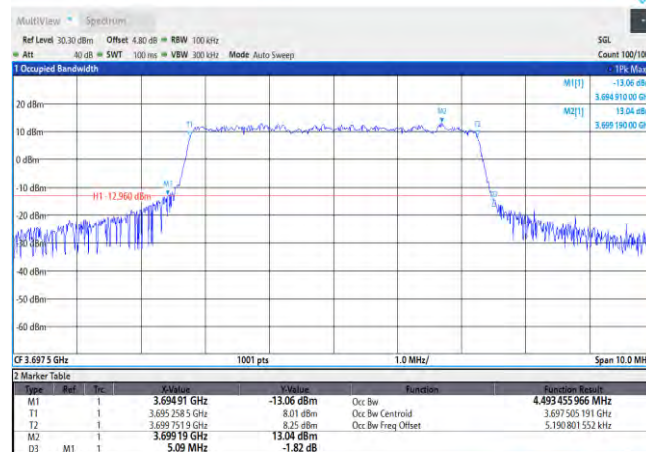
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Band48-5MHz-16QAM-55990-25RB#0



18:38:30 29.09.2022

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



18:40:04 29.09.2022



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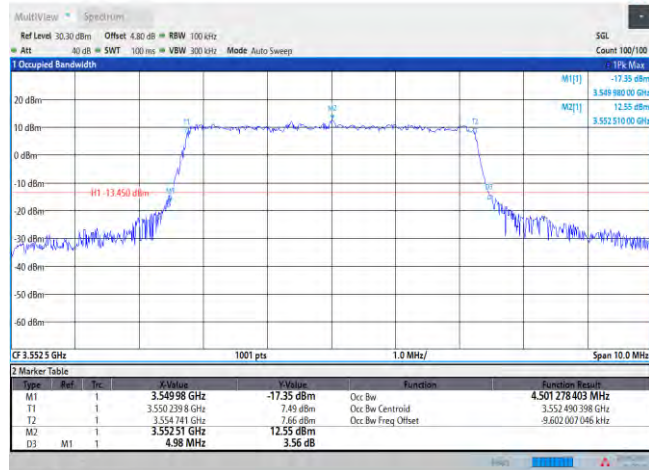
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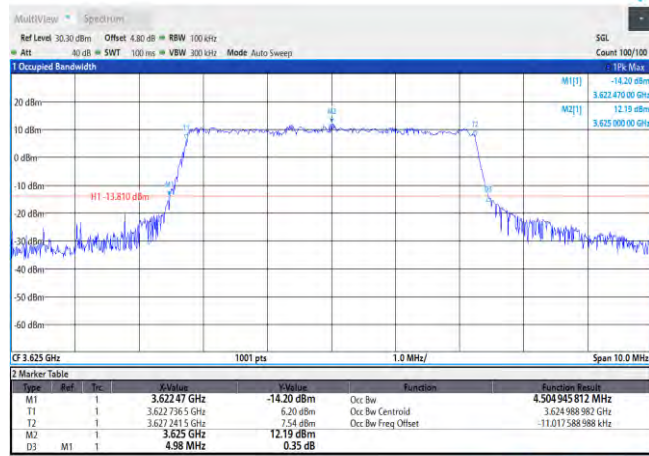
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Band48-5MHz-64QAM-55265-25RB#0



18:37:20 29.09.2022

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



18:38:54 29.09.2022



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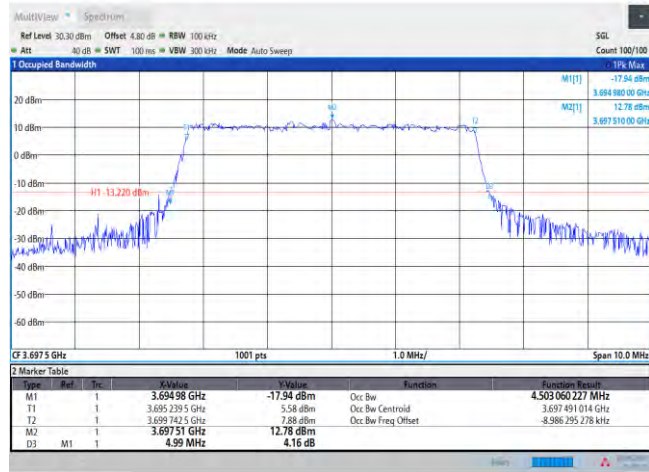
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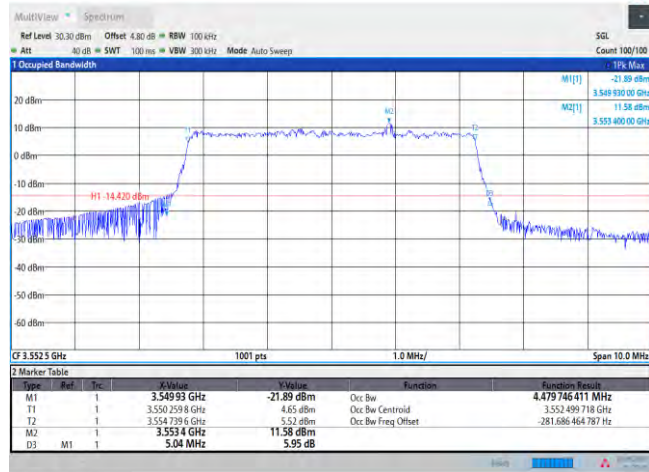
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Band48-5MHz-64QAM-56715-25RB#0



18:40:28 29.09.2022

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



18:37:43 29.09.2022



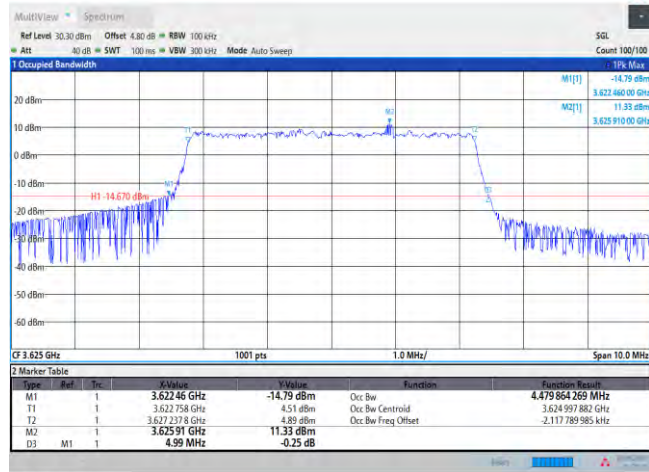
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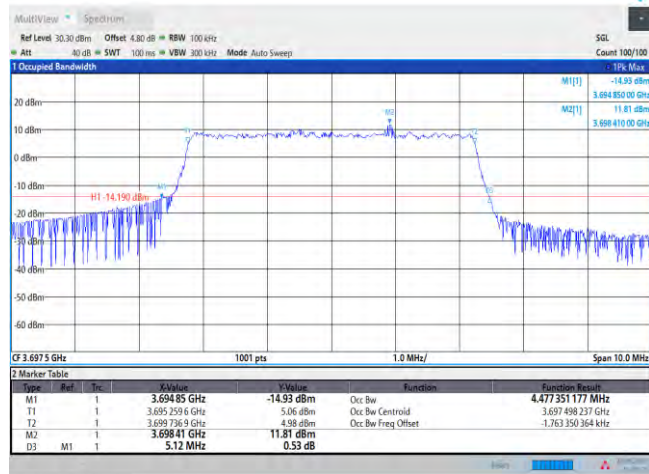
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Band48-5MHz-256QAM-55990-25RB#0



18:39:17 29.09.2022

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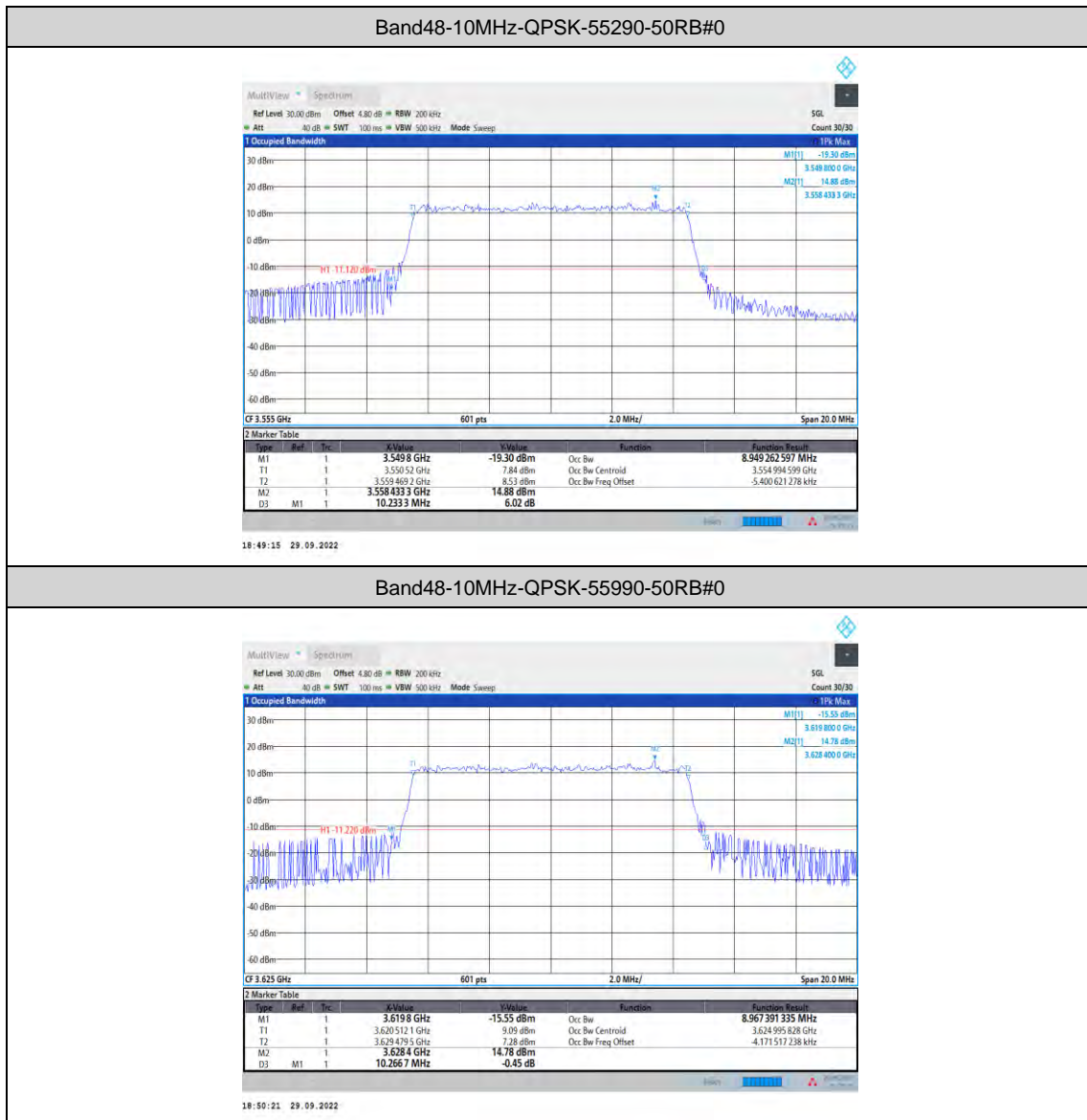


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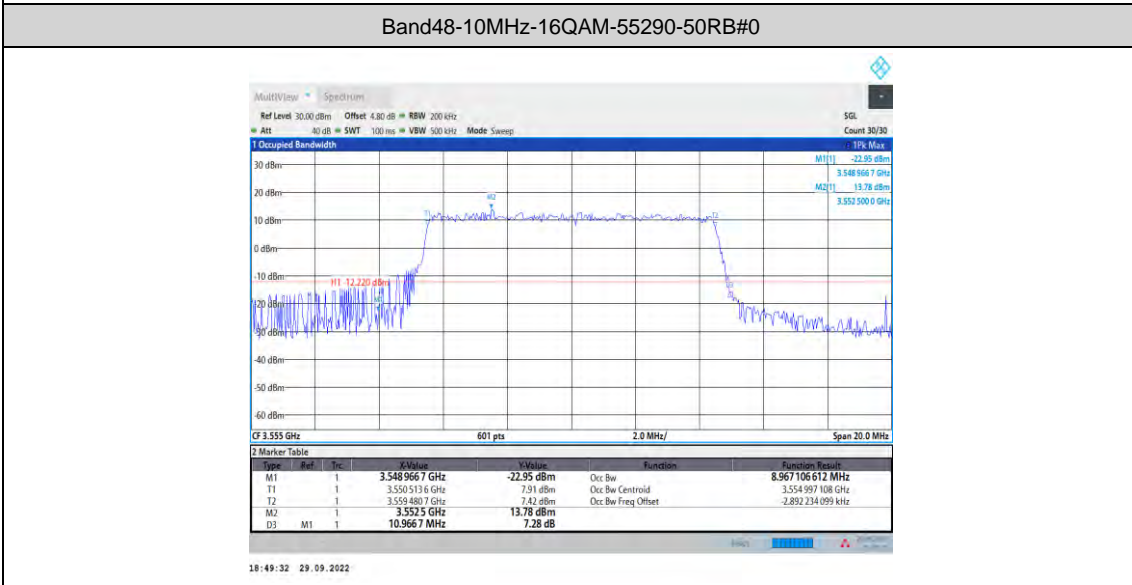
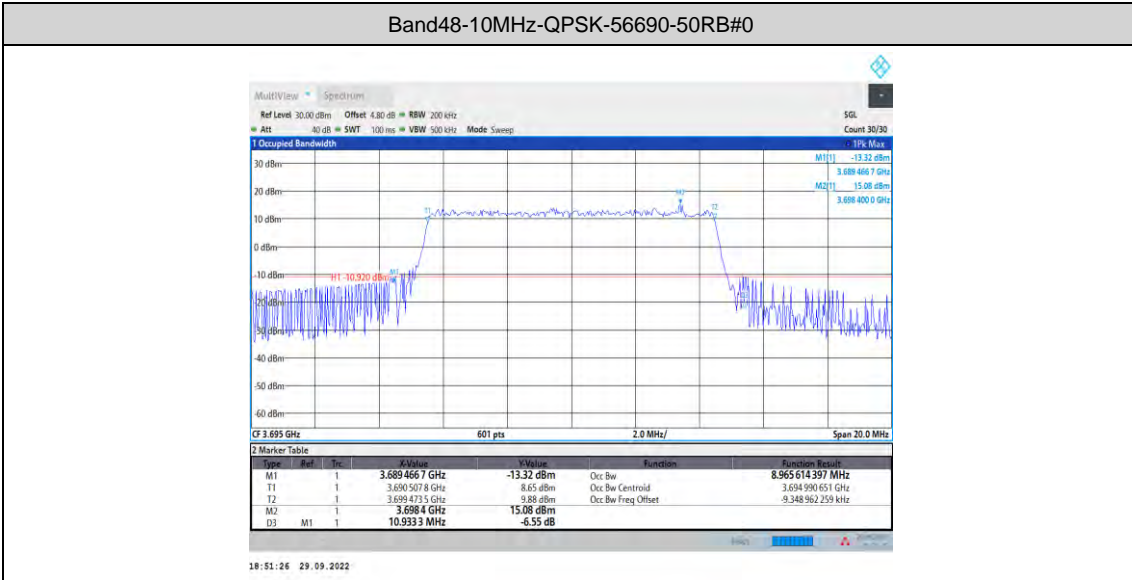
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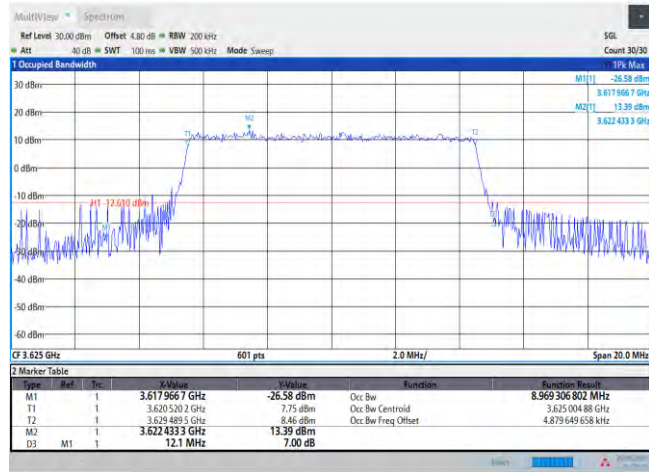
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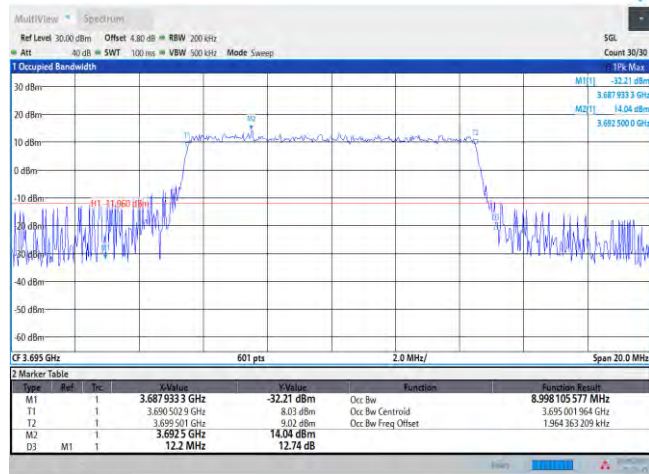
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Band48-10MHz-16QAM-55990-50RB#0



18:50:37 29.09.2022

Band48-10MHz-16QAM-56690-50RB#0



18:51:43 29.09.2022



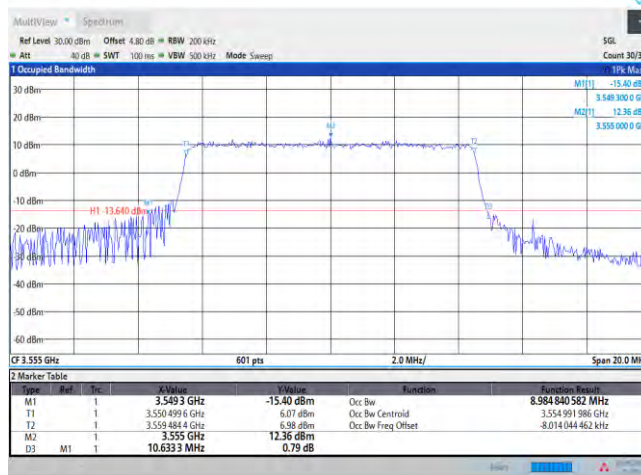
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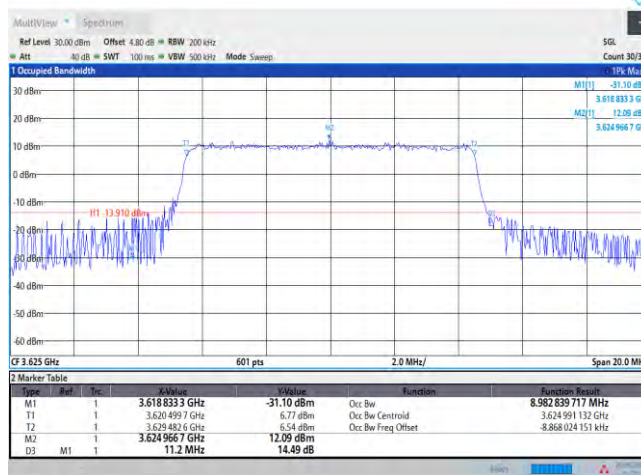
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Band48-10MHz-64QAM-55290-50RB#0



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Band48-10MHz-64QAM-55990-50RB#0



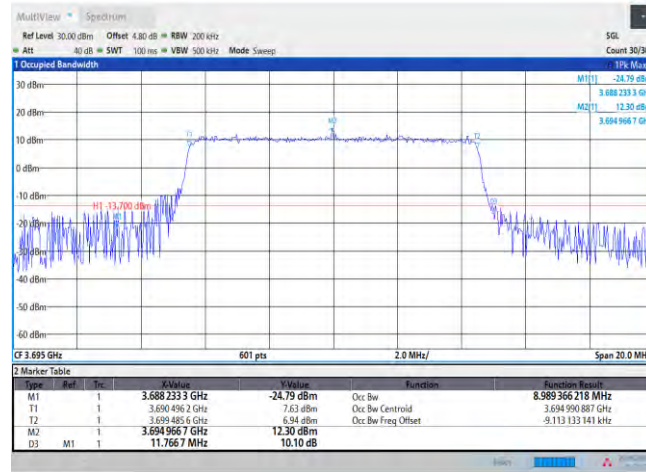
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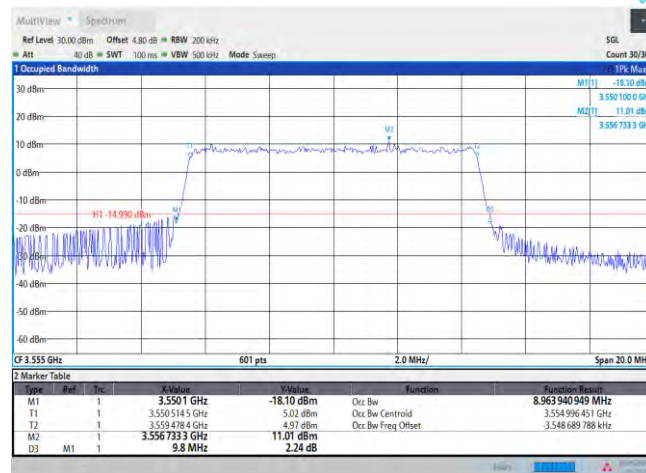
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Band48-10MHz-64QAM-56690-50RB#0



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Band48-10MHz-256QAM-55290-50RB#0



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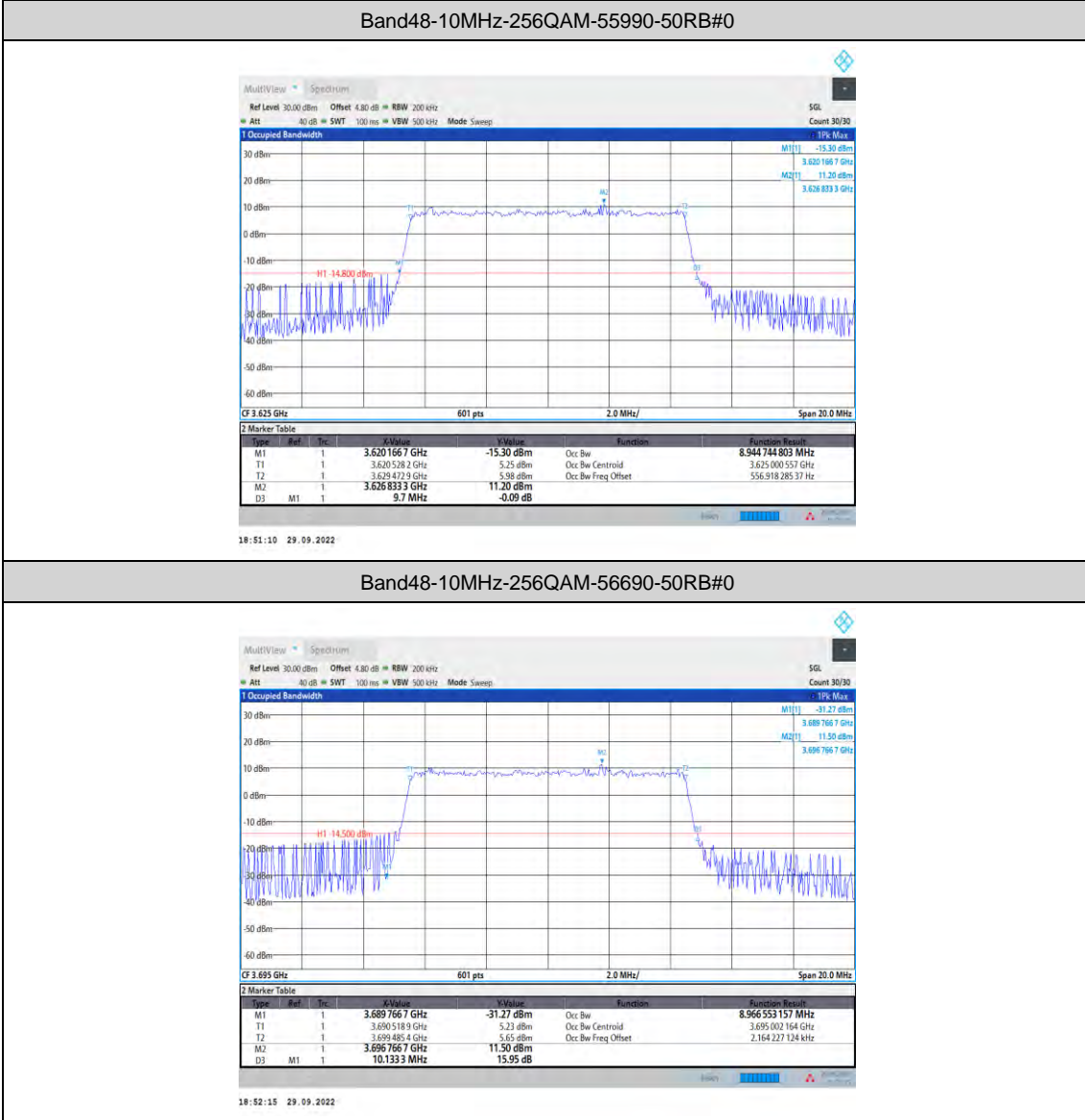
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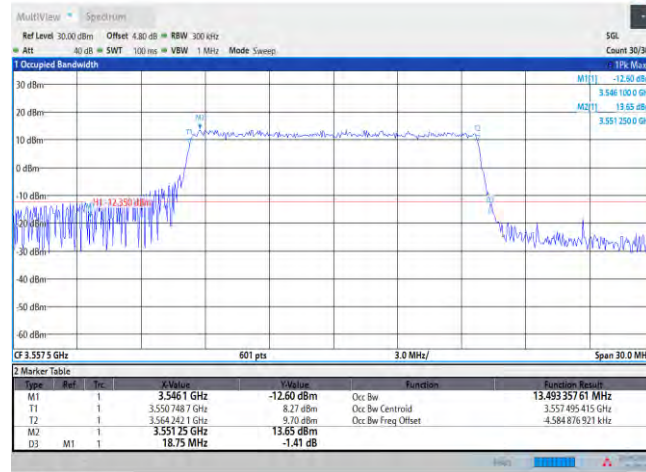
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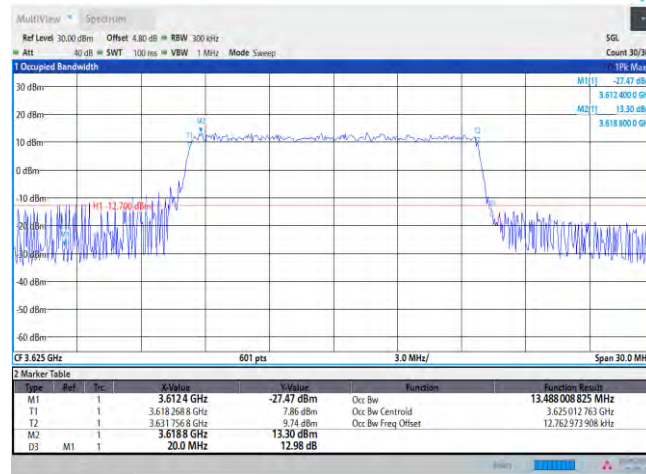
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Band48-15MHz-QPSK-55315-75RB#0



19:00:30 29.09.2022

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



19:01:35 29.09.2022



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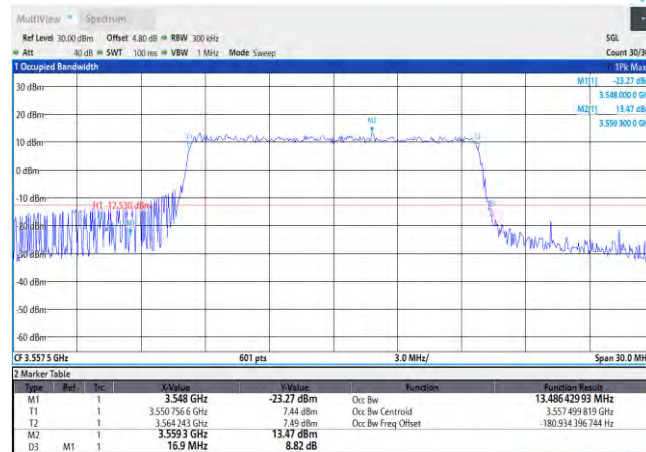
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Band48-15MHz-QPSK-56665-75RB#0



19:02:41 29.09.2022

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



19:00:46 29.09.2022



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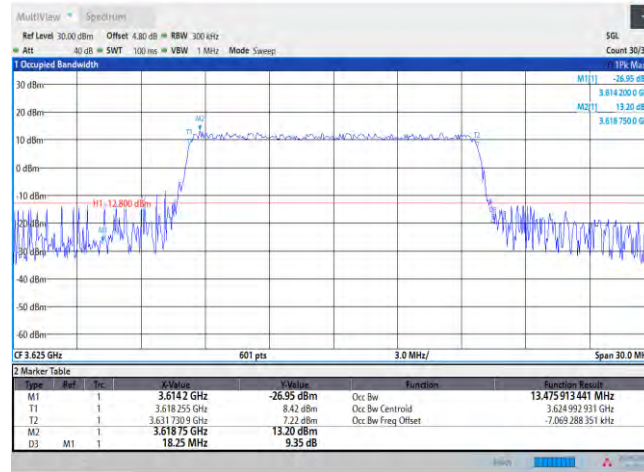
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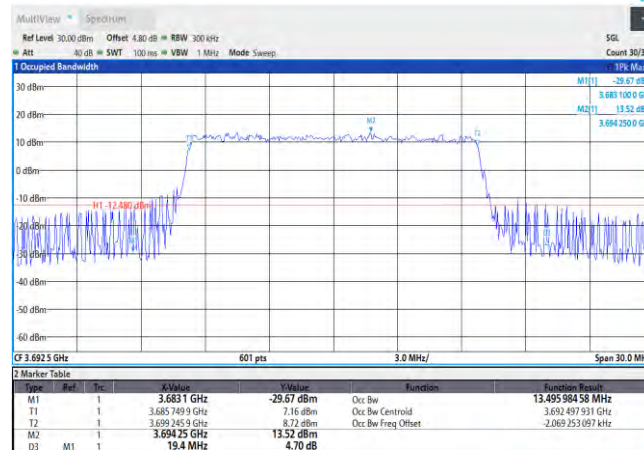
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Band48-15MHz-16QAM-55990-75RB#0



19:01:52 29.09.2022

Band48-15MHz-16QAM-56665-75RB#0



19:02:57 29.09.2022



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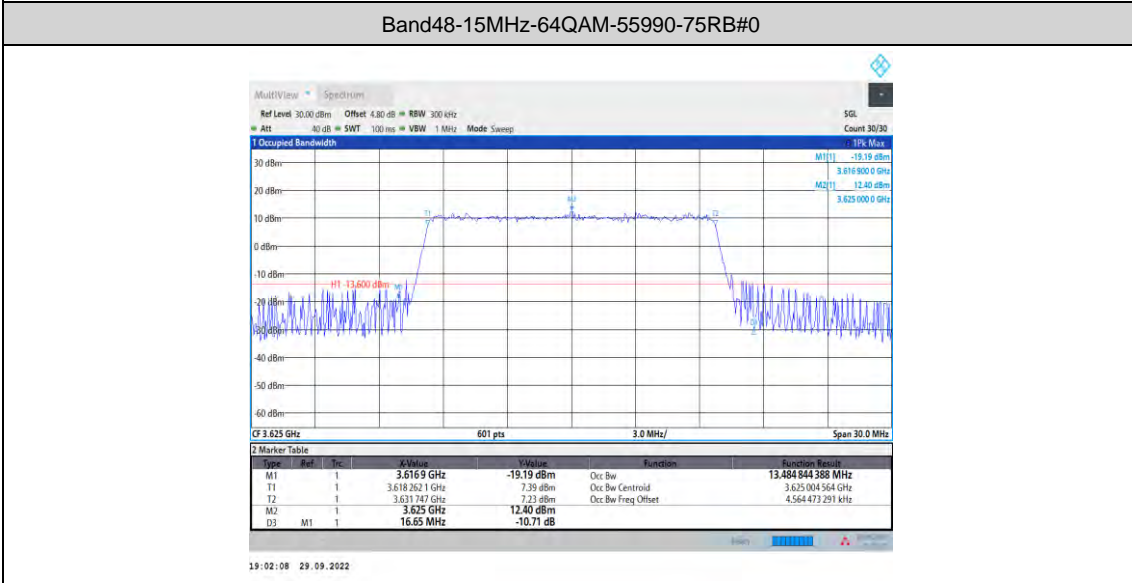
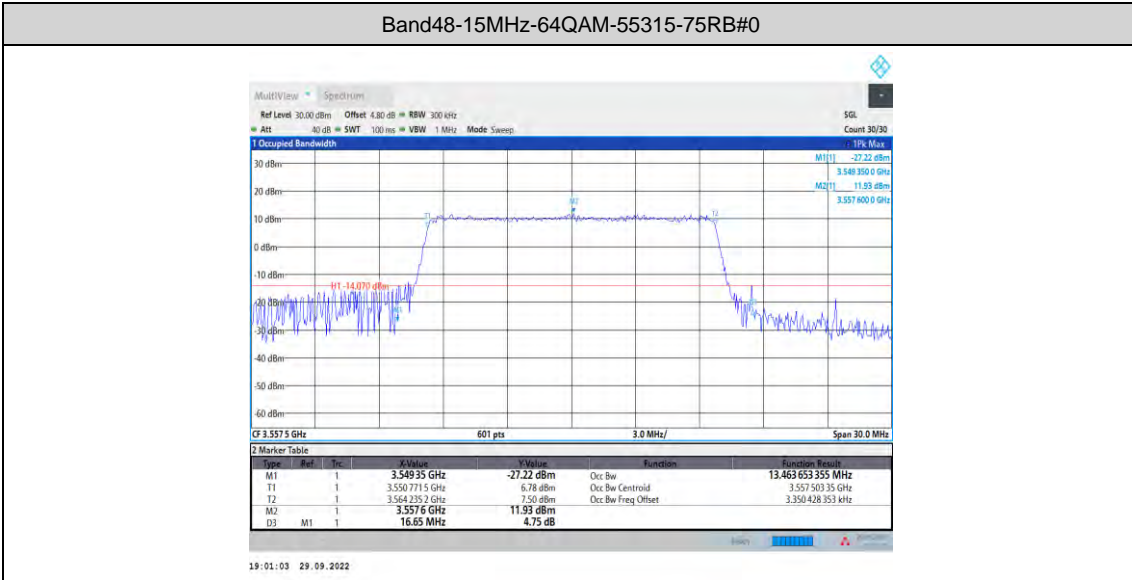
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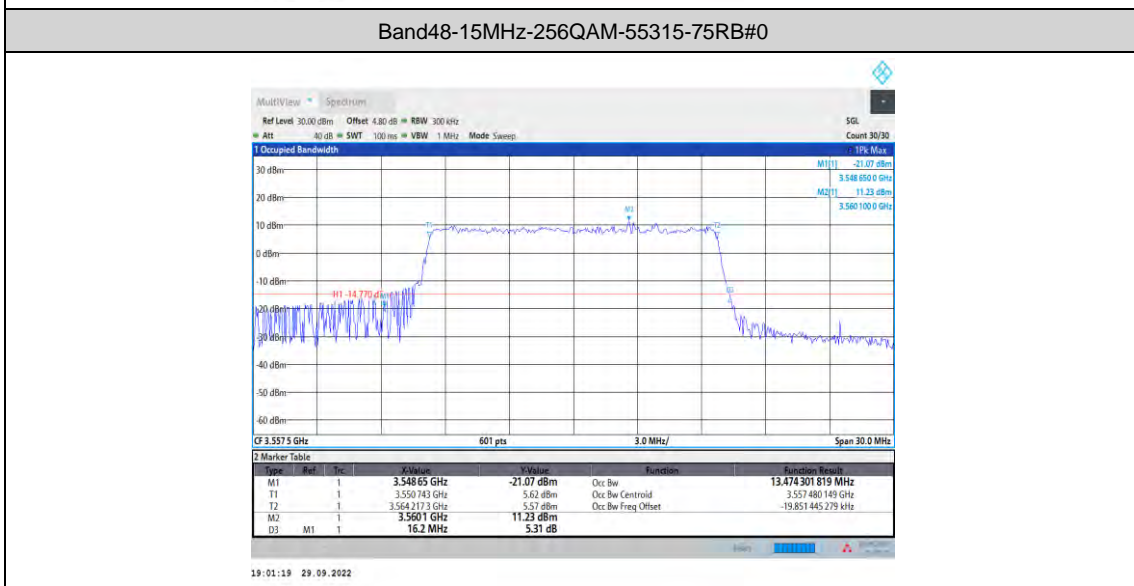
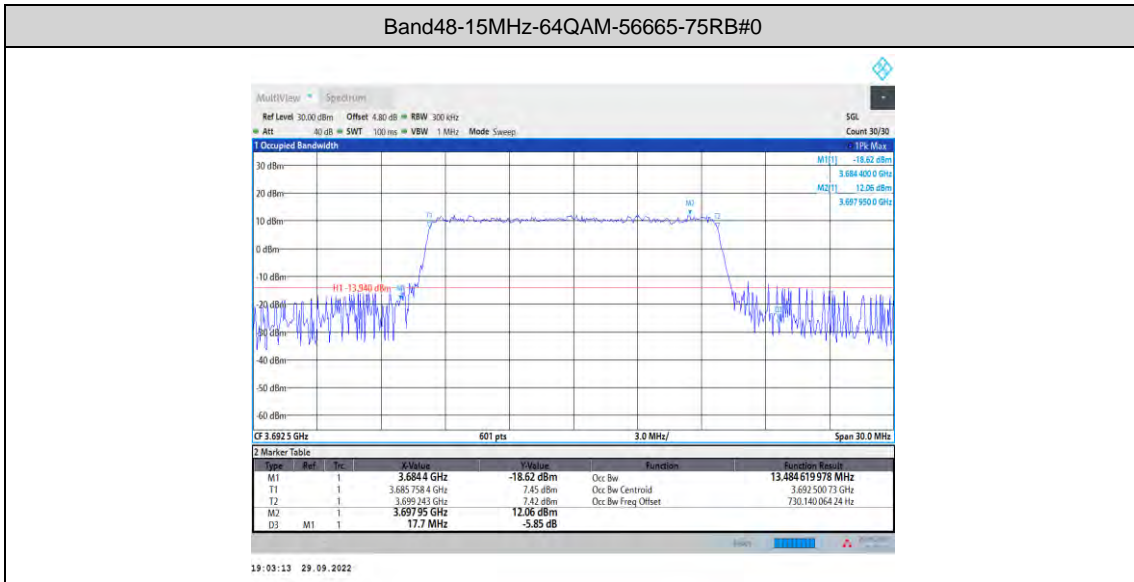
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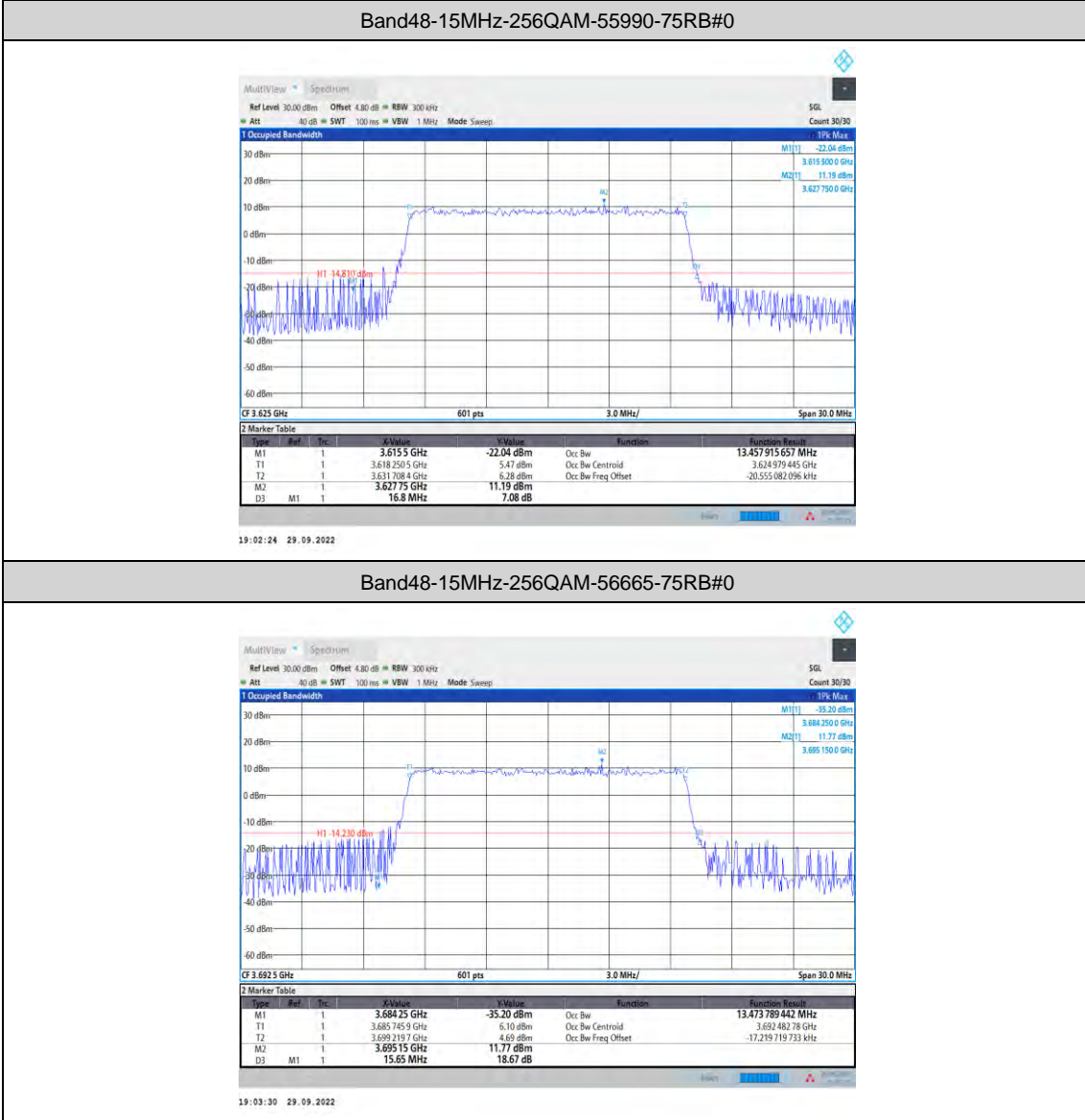
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Band48-20MHz-QPSK-55340-100RB#0



19:13:27 29.09.2022

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



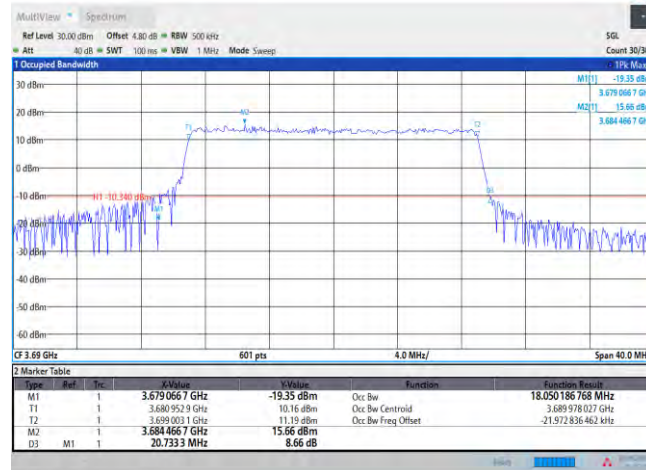
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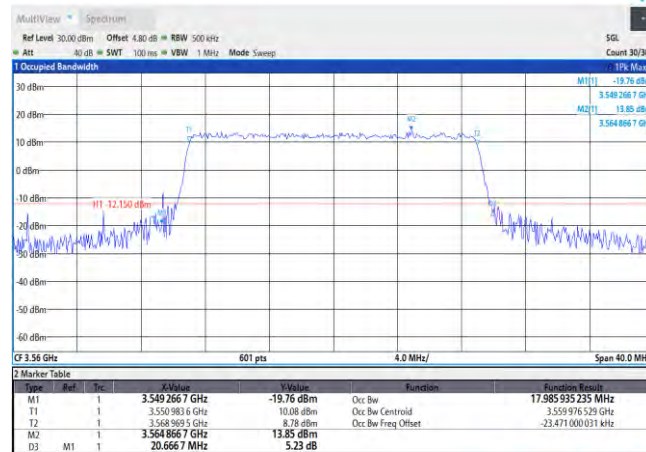
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Band48-20MHz-QPSK-56640-100RB#0



19:15:38 29.09.2022

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



19:13:43 29.09.2022



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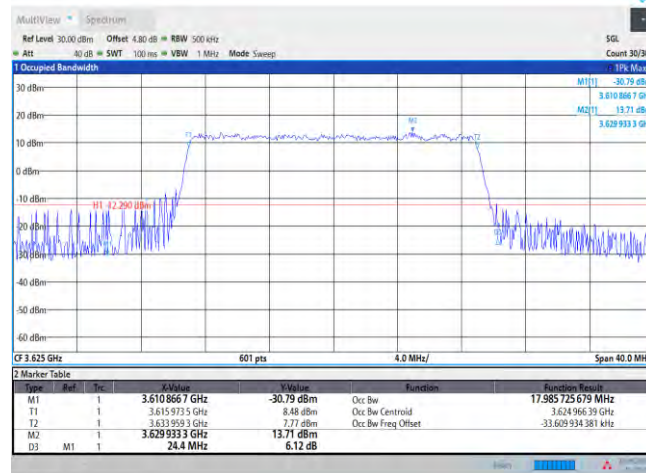
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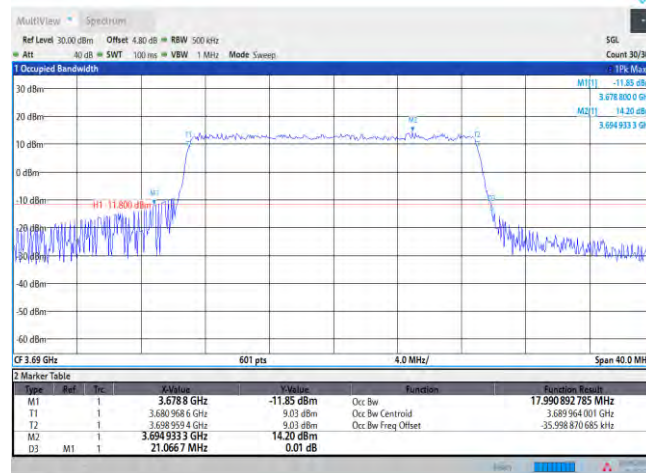
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Band48-20MHz-16QAM-55990-100RB#0



19:14:49 29.09.2022

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



19:15:54 29.09.2022



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



19:14:00 29.09.2022

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



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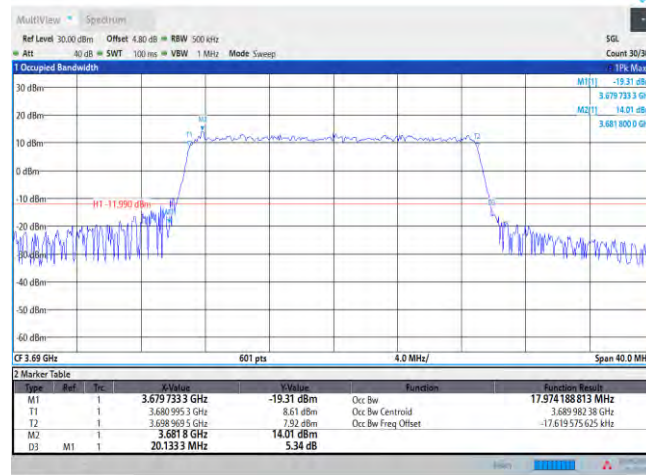
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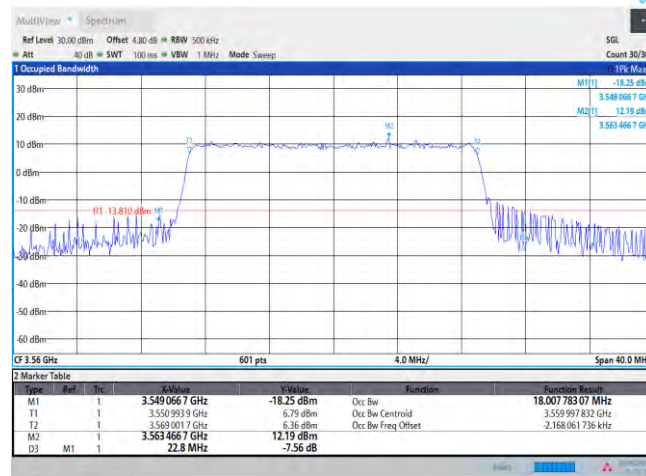
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Band48-20MHz-64QAM-56640-100RB#0



19:16:10 29.09.2022

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



19:14:16 29.09.2022



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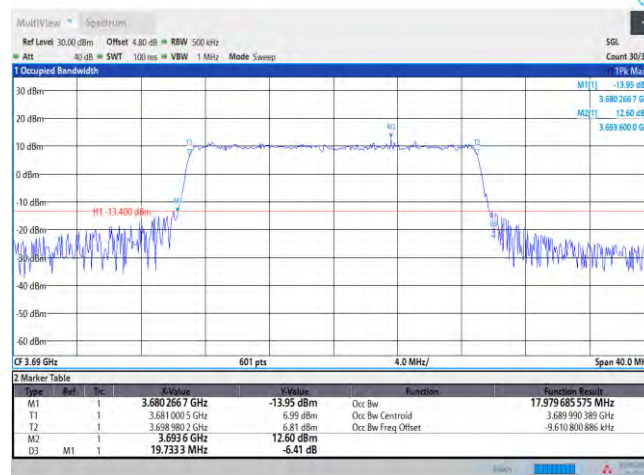


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Band48-20MHz-256QAM-56640-100RB#0



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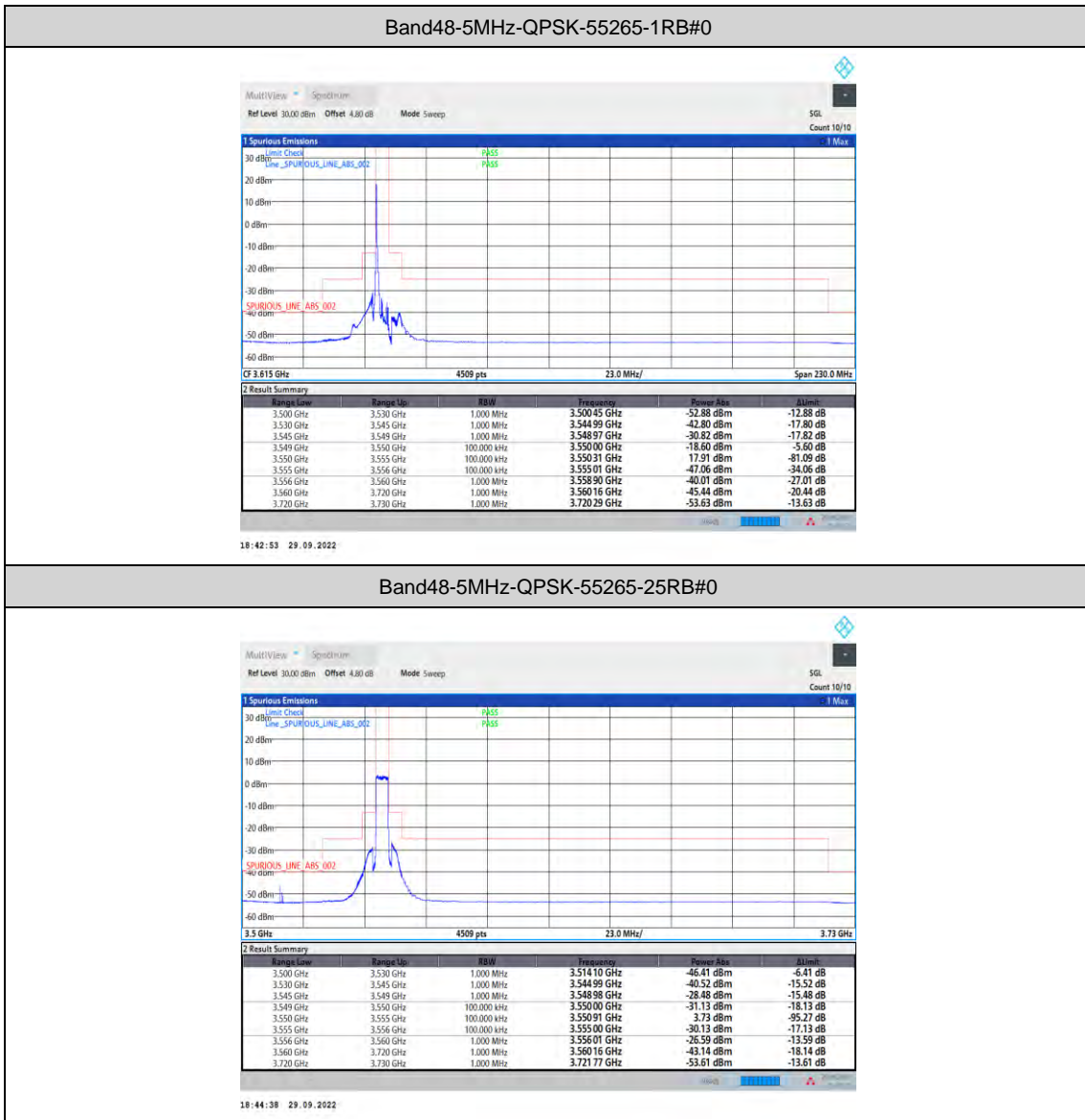
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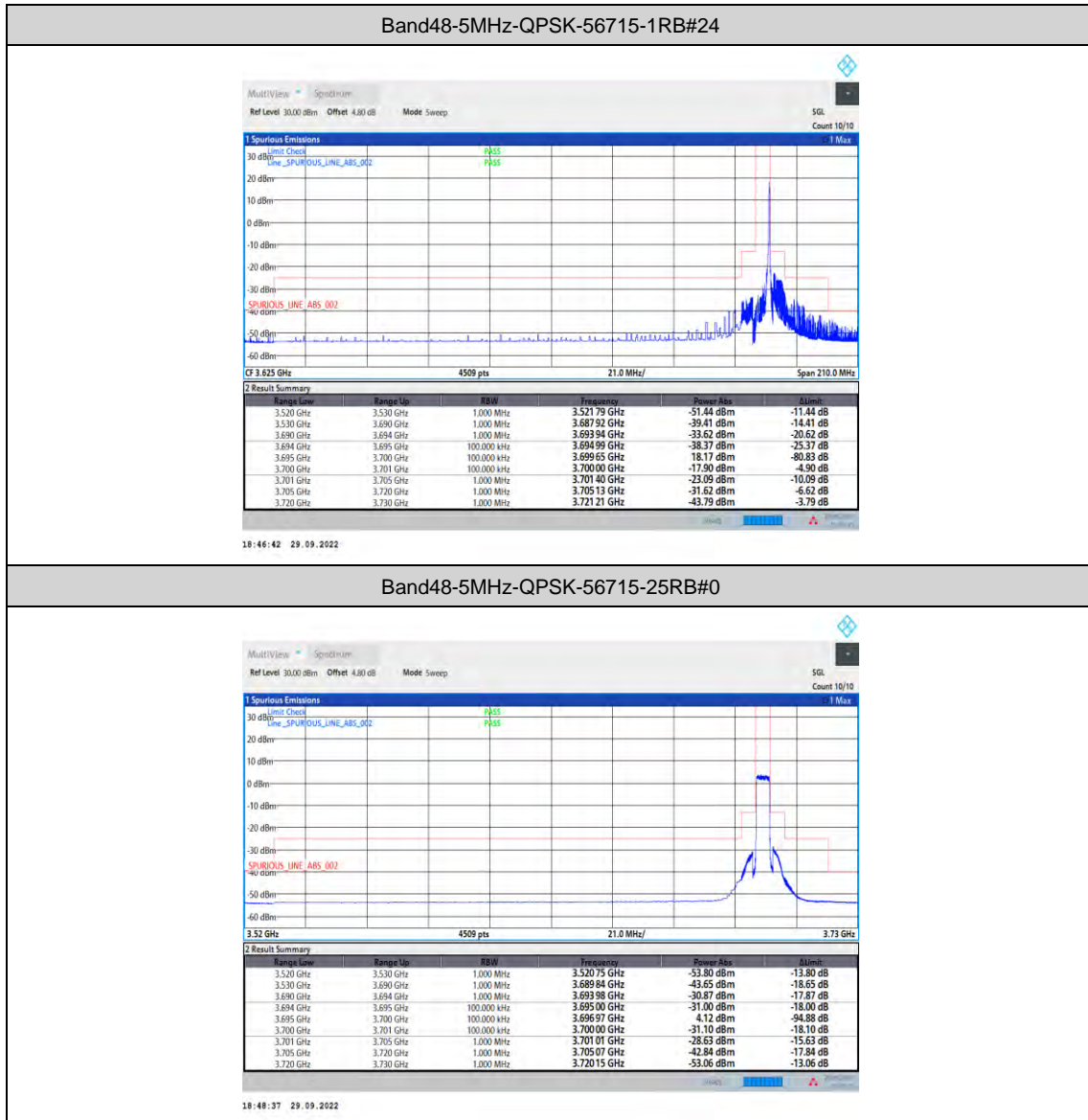
Band Edge

Test Graphs



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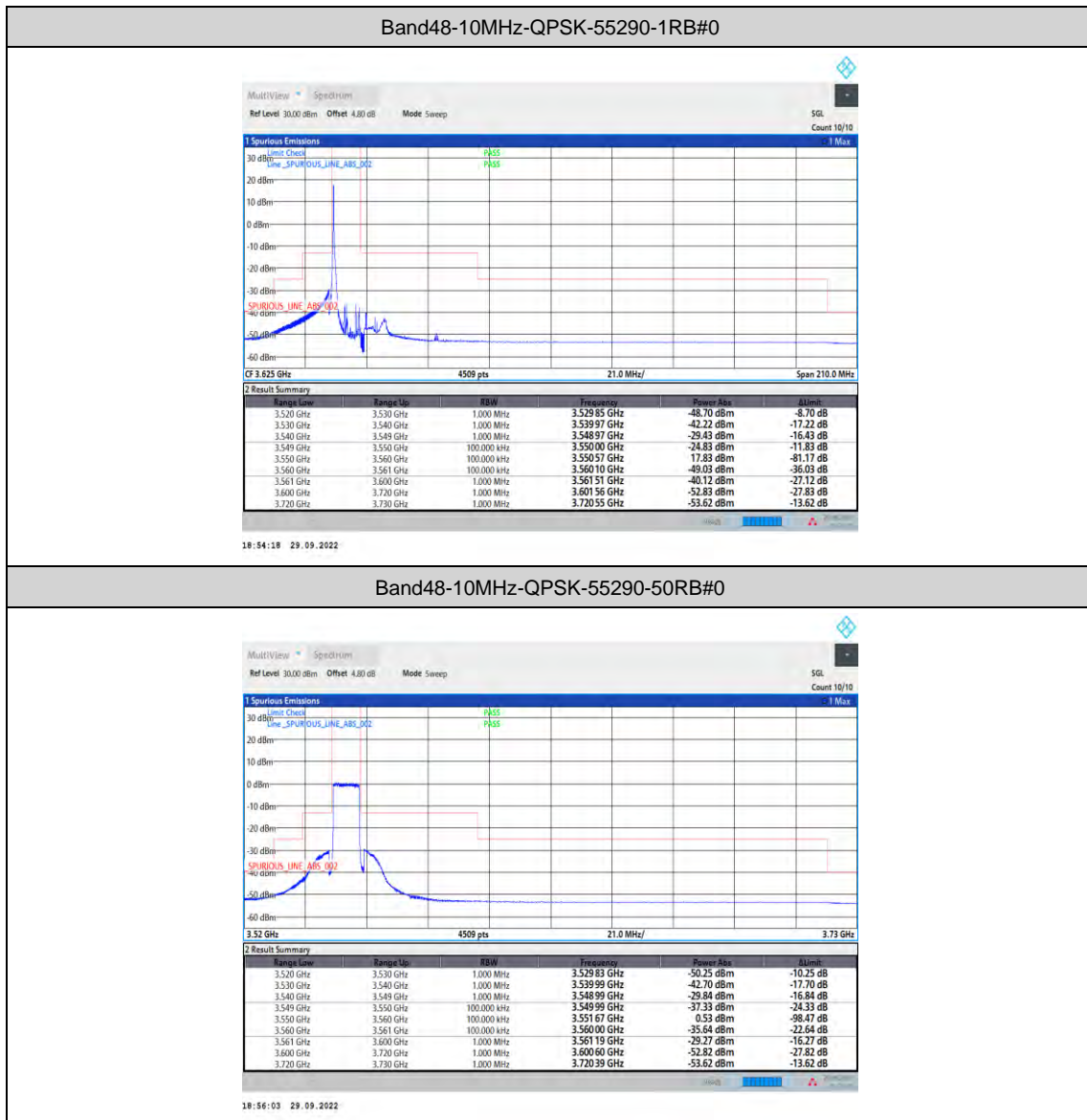


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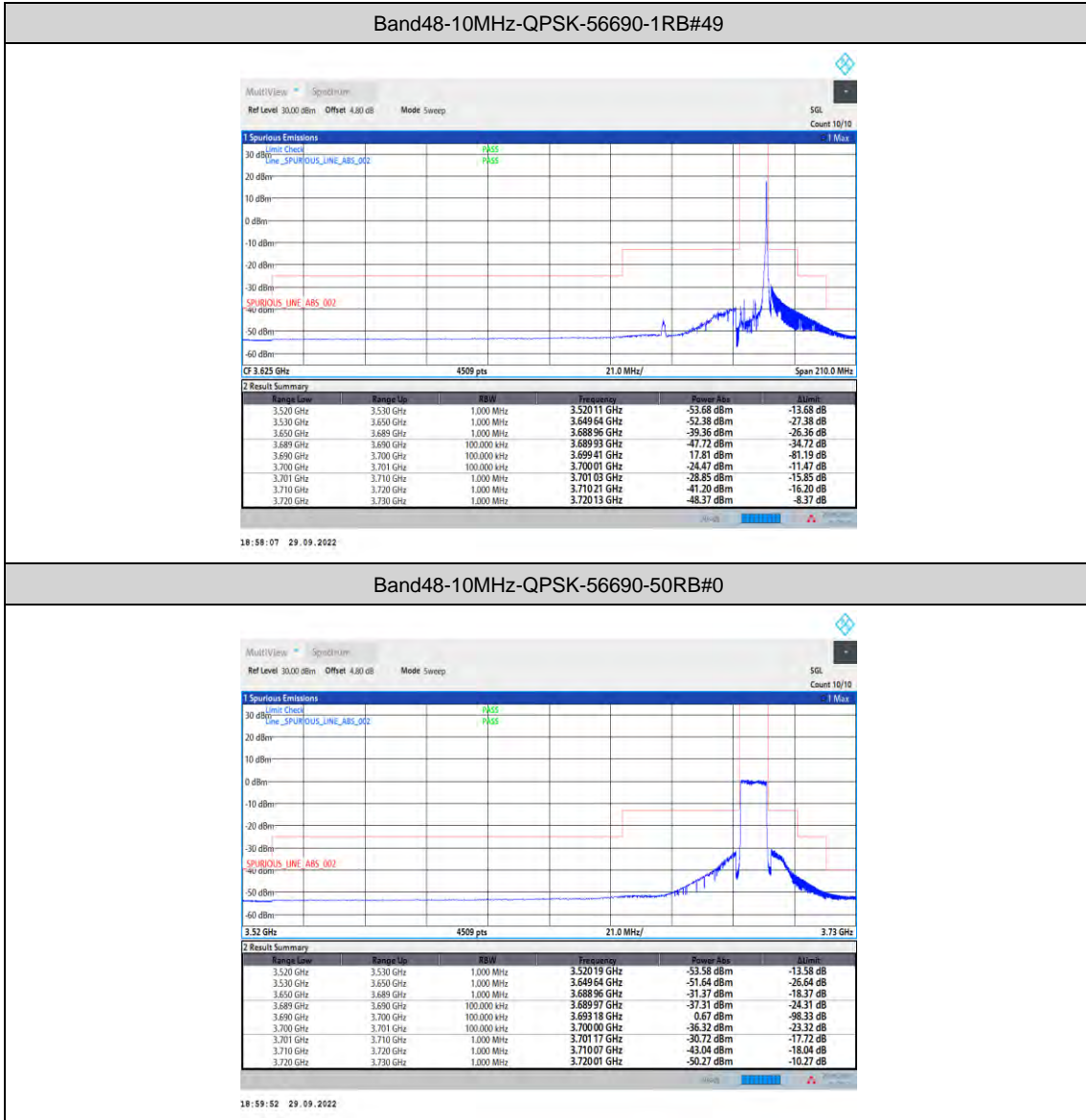
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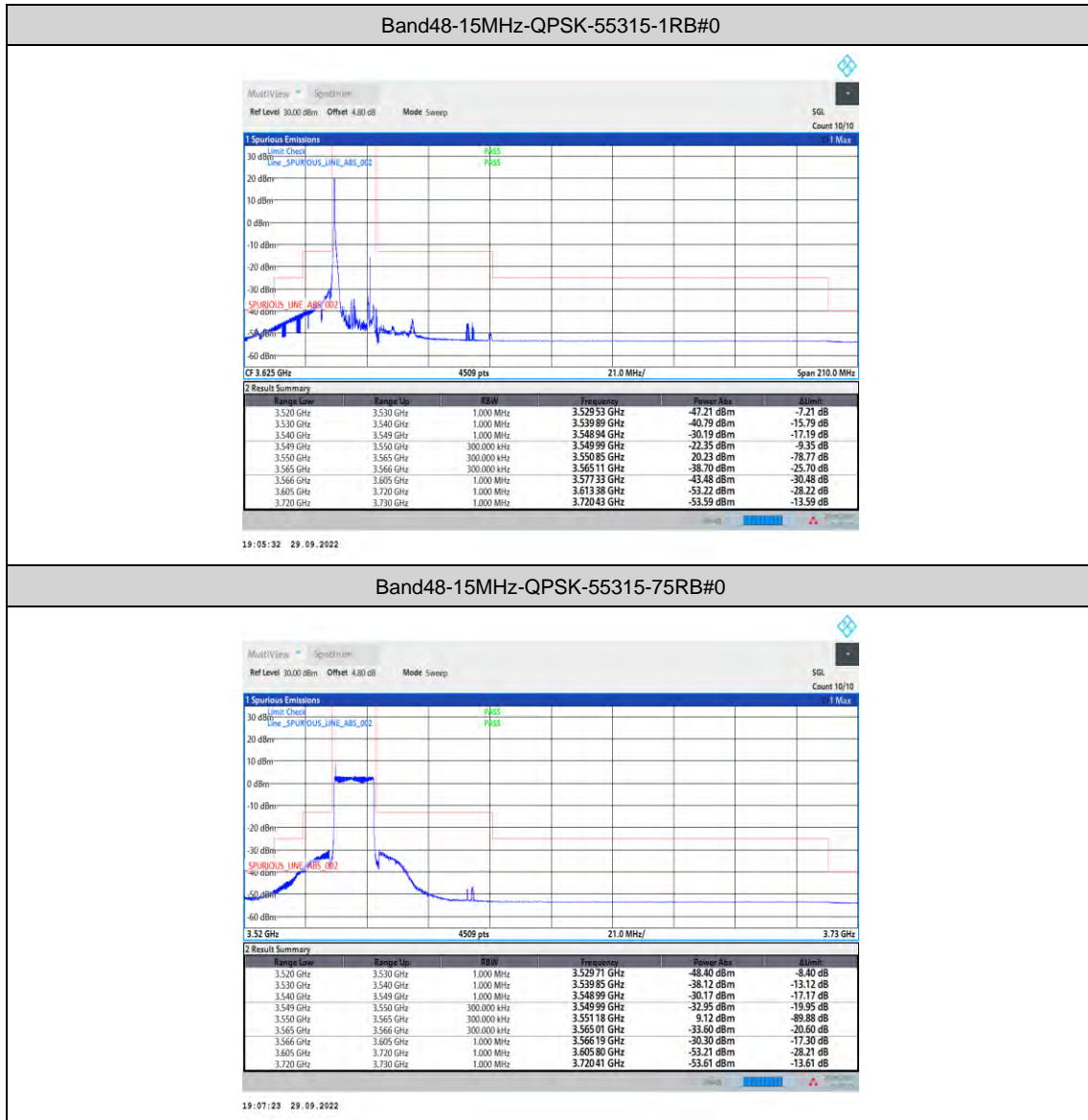


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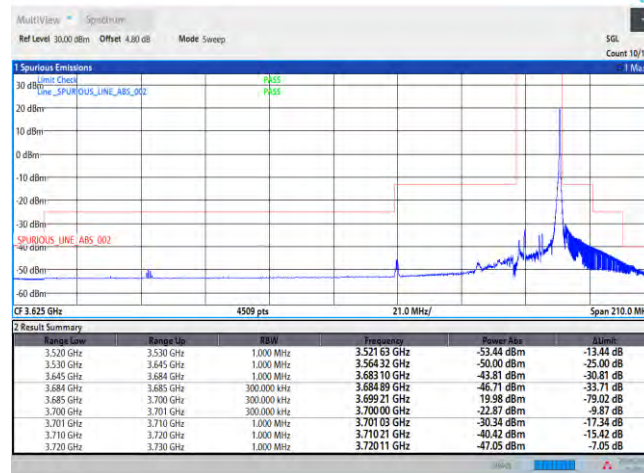
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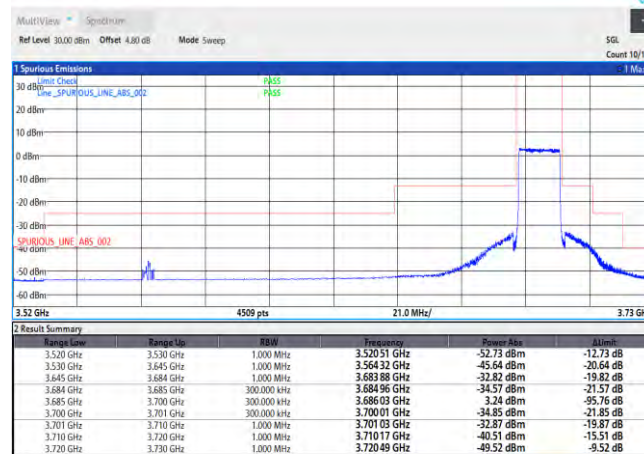
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Band48-15MHz-QPSK-56665-1RB#74



19:09:27 29.09.2022

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

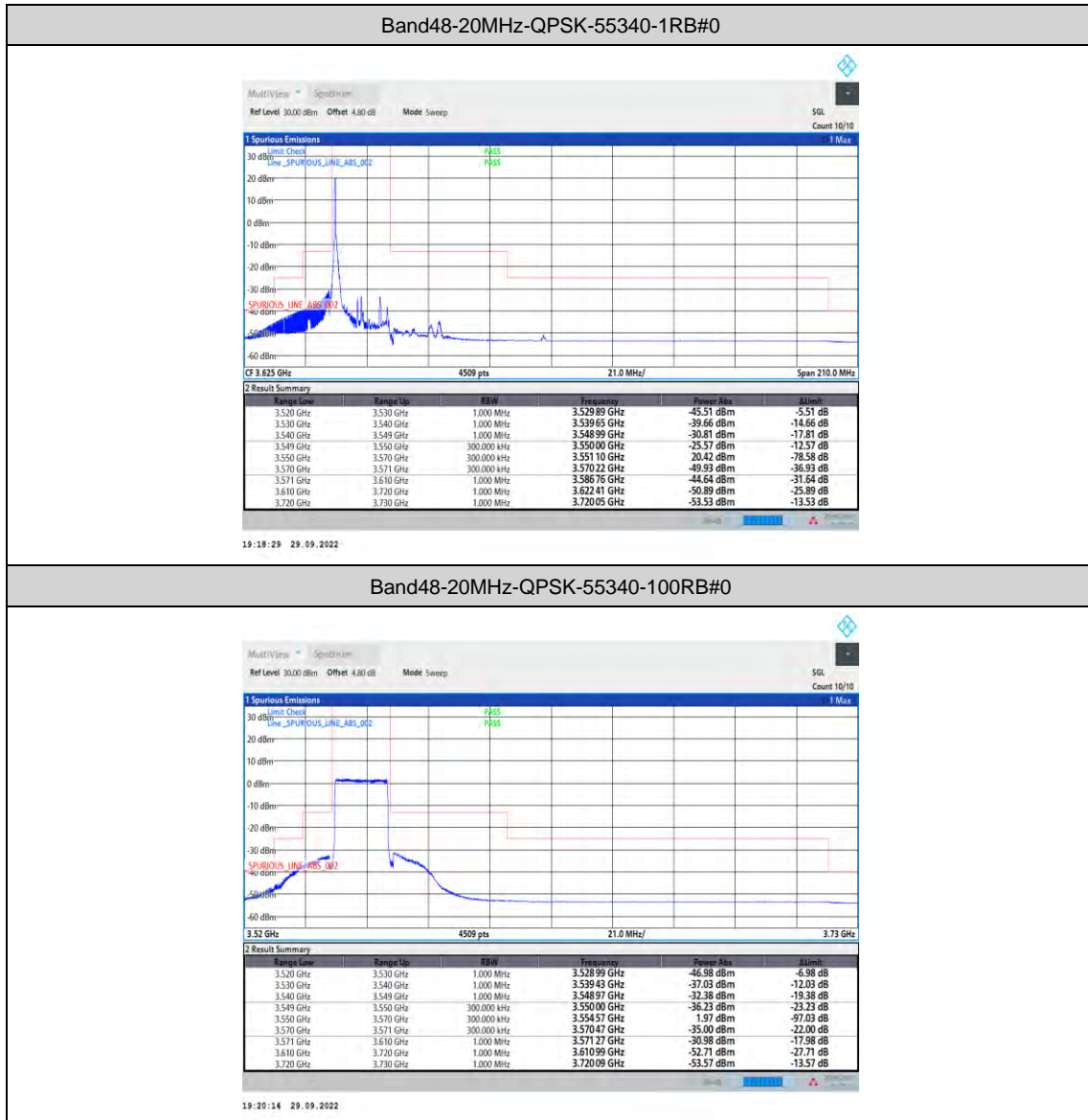


19:11:14 29.09.2022



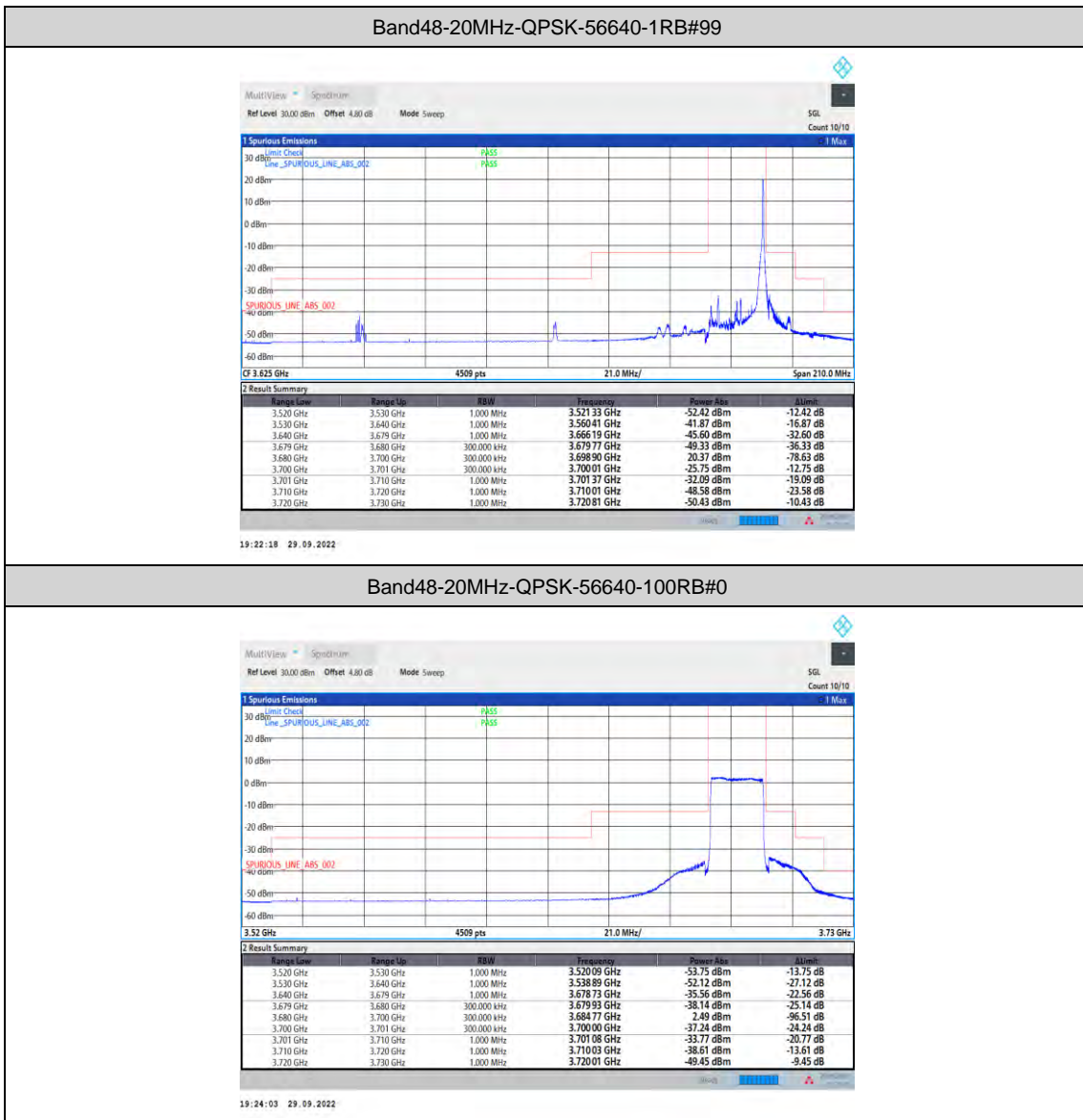
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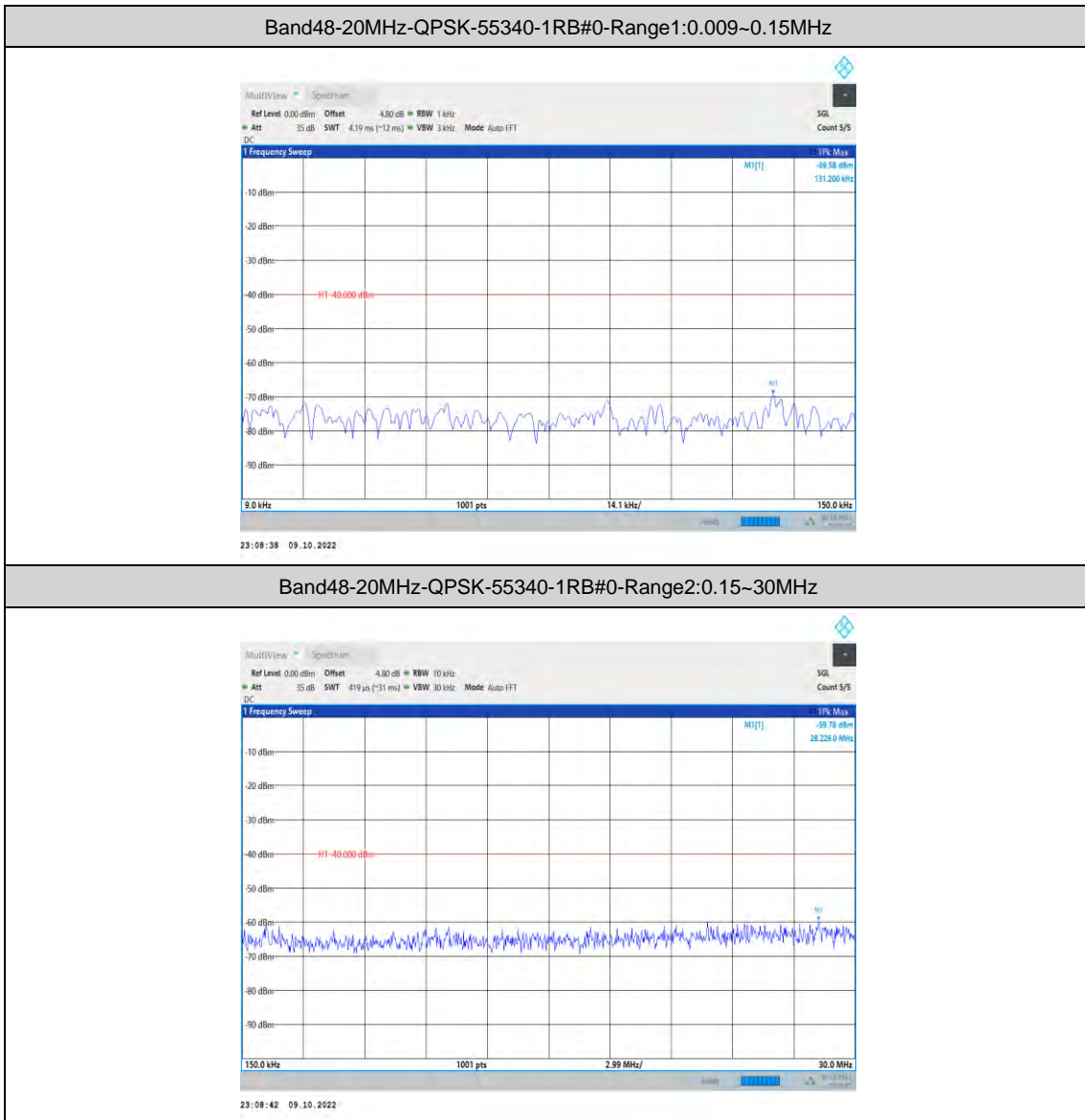
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Conducted Spurious Emission

Test Graphs



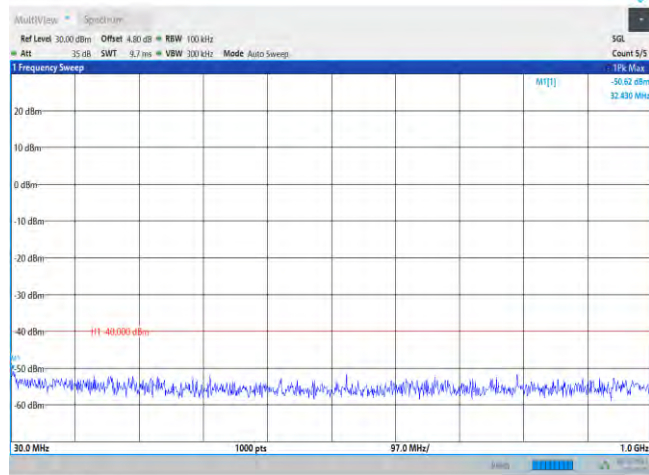
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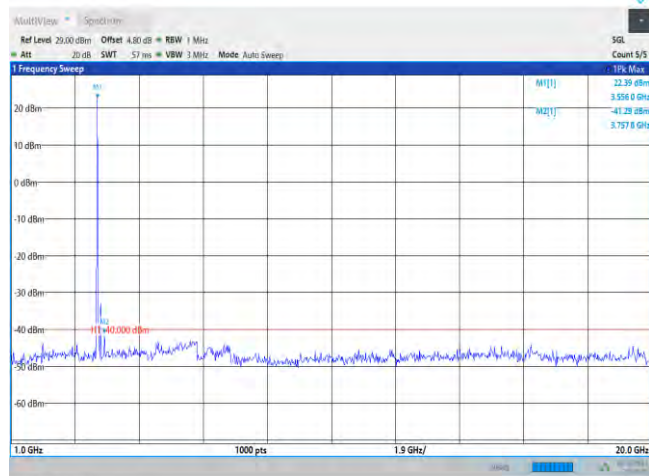
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Band48-20MHz-QPSK-55340-1RB#0-Range3:30~1000MHz



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

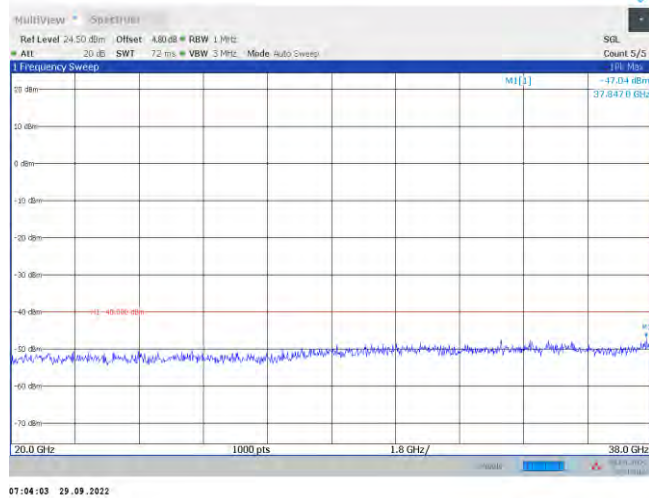


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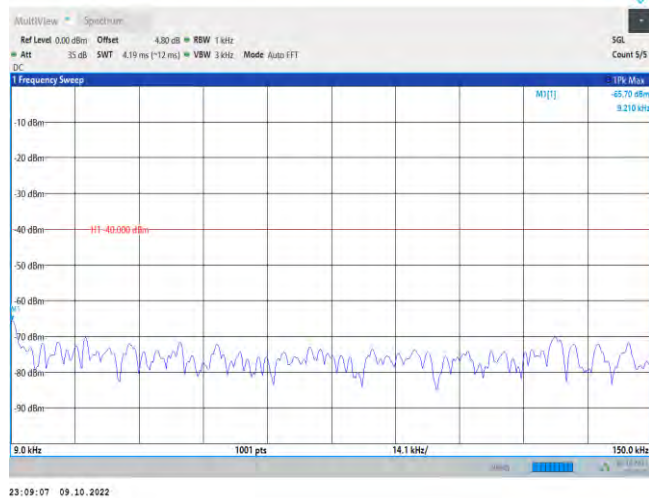
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Band48-20MHz-QPSK-55340-1RB#0-Range4:20000~38000MHz



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

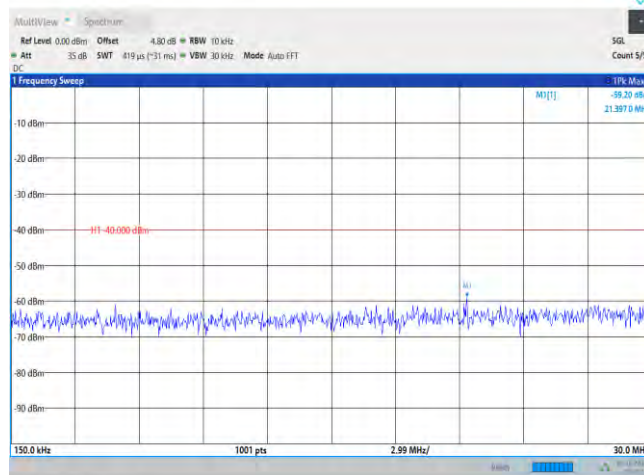


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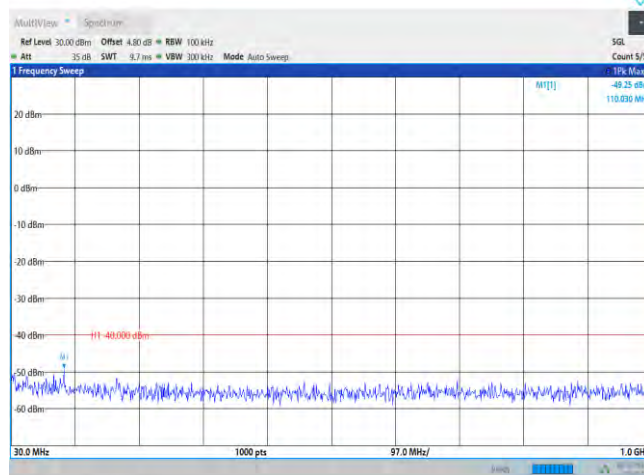
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Band48-20MHz-QPSK-55990-1RB#0-Range2:0.15~30MHz



Band48-20MHz-QPSK-55990-1RB#0-Range3:30~100MHz

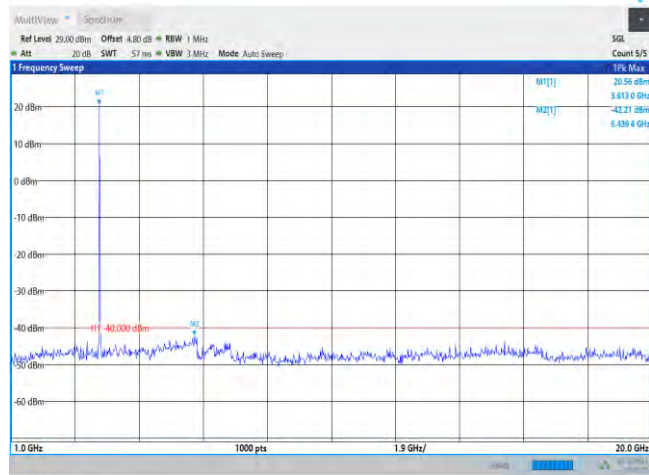


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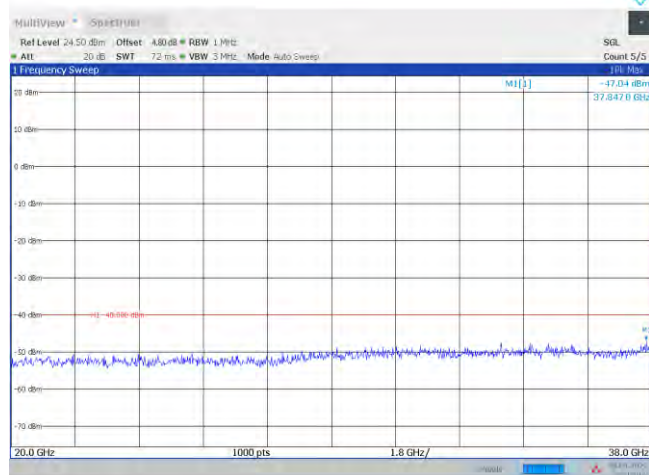


Band48-20MHz-QPSK-55990-1RB#0-Range4:1000~20000MHz



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



07:04:03 29.09.2022



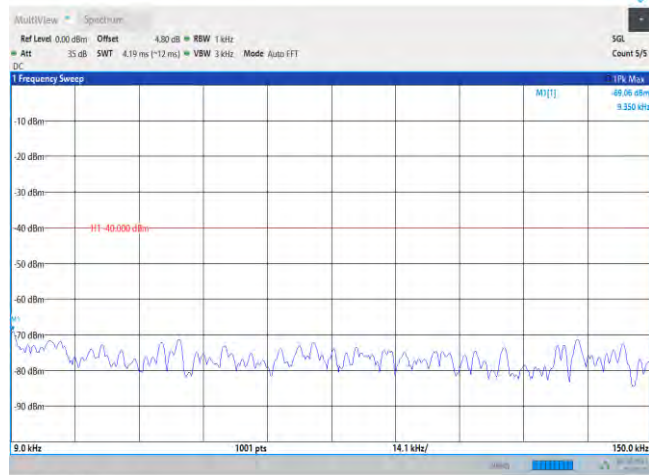
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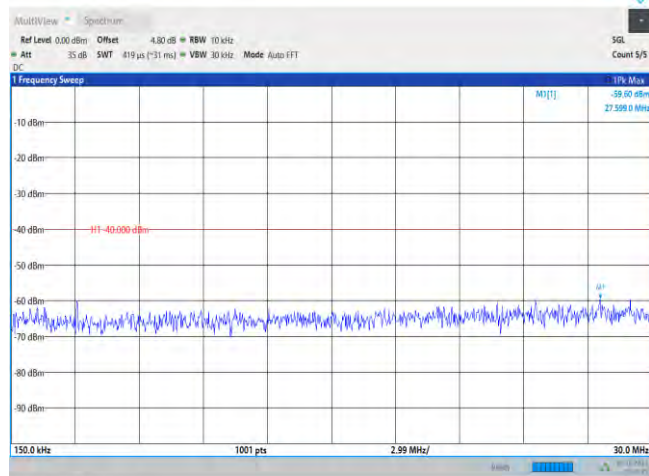


Band48-20MHz-QPSK-56640-1RB#0-Range1:0.009~0.15MHz



23:09:37 09.10.2022

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



23:09:41 09.10.2022

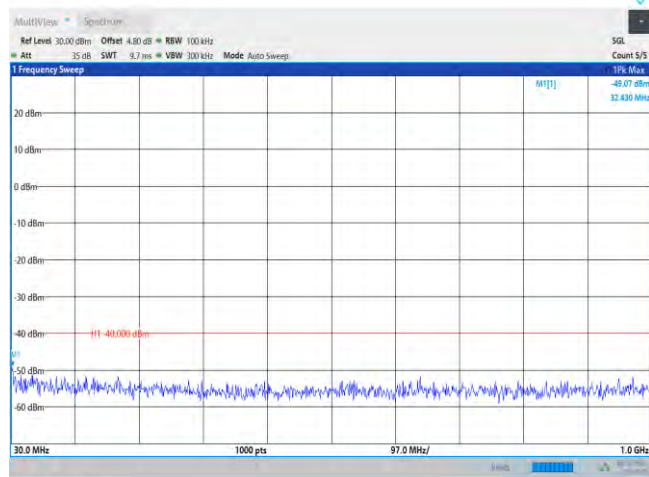


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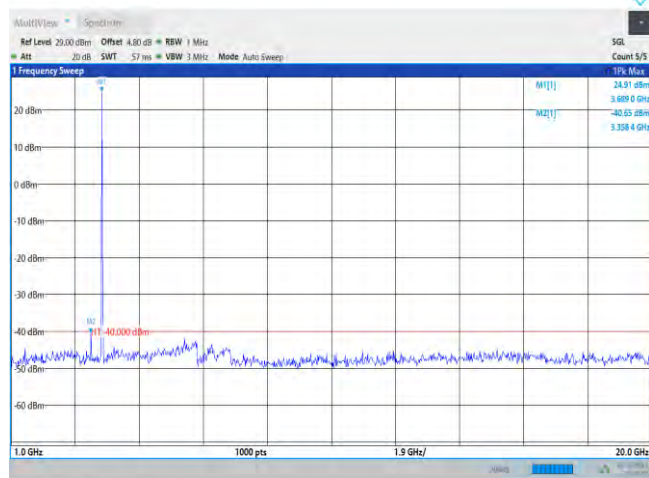
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Band48-20MHz-QPSK-56640-1RB#0-Range3:30~1000MHz

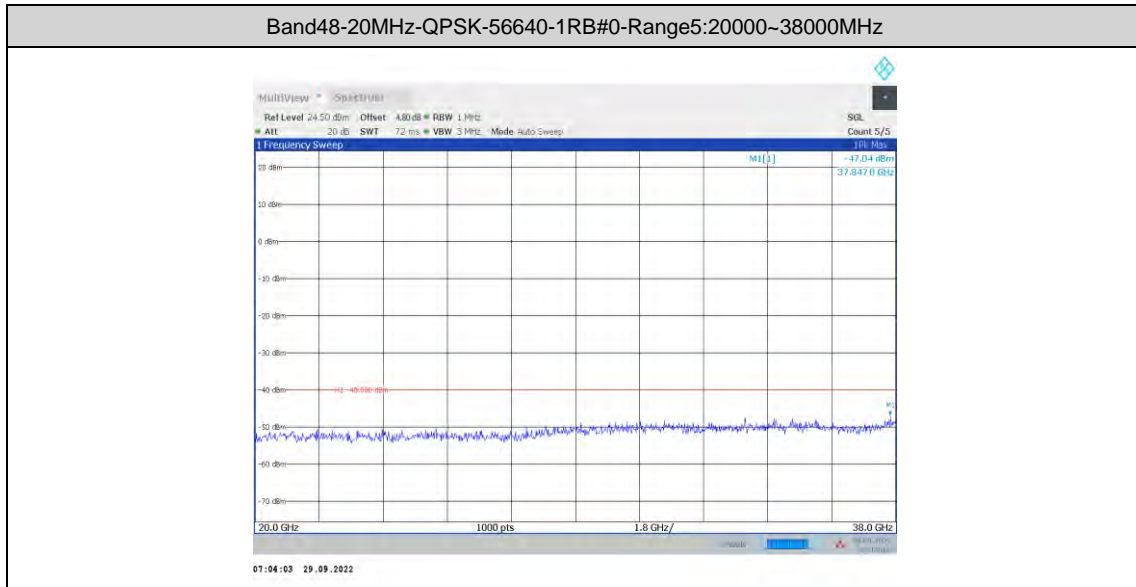


Band48-20MHz-QPSK-56640-1RB#0-Range4:1000~20000MHz



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band48	20MHz	QPSK	55990	100RB#0	VL	NT	-2.30	-0.000634	PASS
Band48	20MHz	QPSK	55990	100RB#0	VN	NT	1.40	0.000386	PASS
Band48	20MHz	QPSK	55990	100RB#0	VH	NT	10.70	0.002952	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band48	20MHz	QPSK	55990	100RB#0	NV	-30	2.10	0.000579	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	-20	2.30	0.000634	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	-10	0.70	0.000193	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	0	8.50	0.002345	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	10	8.50	0.002345	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	20	3.20	0.000883	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	30	5.20	0.001434	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	40	8.00	0.002207	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	50	7.20	0.001986	PASS



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band48	20MHz	QPSK	55740	100RB#0	PASS	PASS
Band48	20MHz	16QAM	55740	100RB#0	PASS	PASS
Band48	20MHz	64QAM	55740	100RB#0	PASS	PASS
Band48	20MHz	256QAM	55740	100RB#0	PASS	PASS

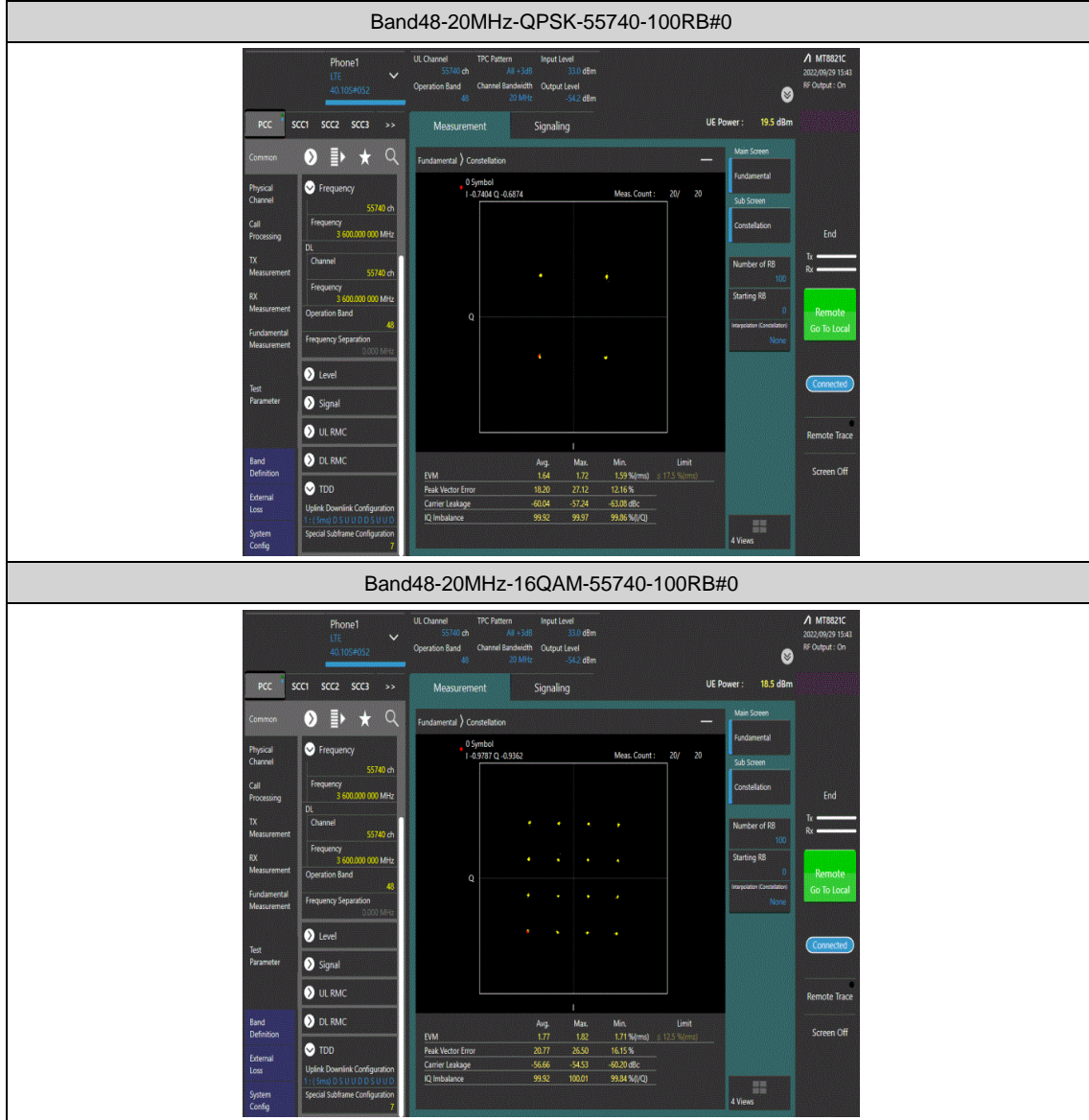


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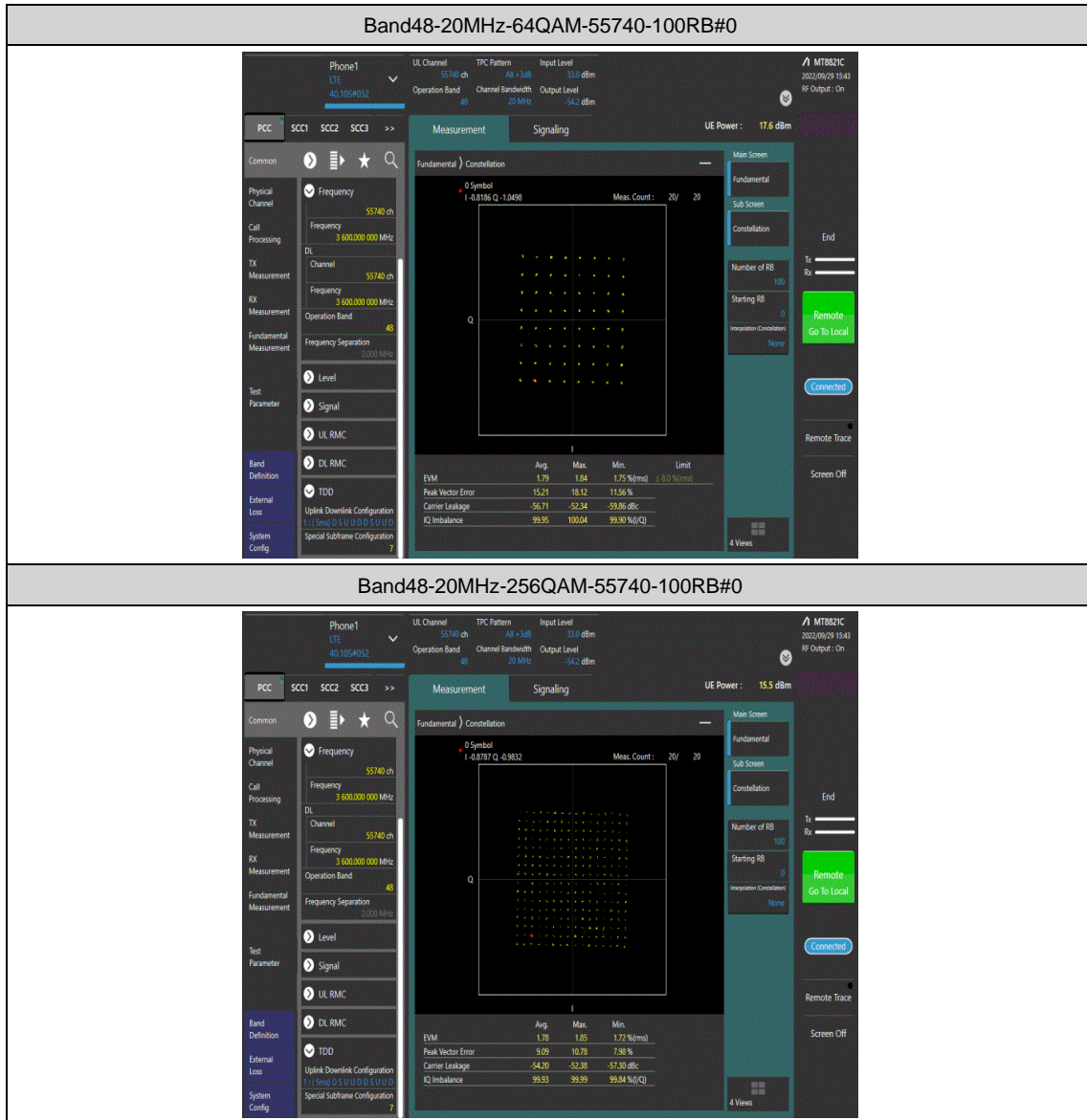
Test Graphs



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