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# Appendix B.16

## LTE Band 48



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## 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	21.85	22.85	23	PASS
Band48	5MHz	QPSK	55265	1RB#12	21.69	22.69	23	PASS
Band48	5MHz	QPSK	55265	1RB#24	21.67	22.67	23	PASS
Band48	5MHz	QPSK	55265	25RB#0	21.23	22.23	23	PASS
Band48	5MHz	QPSK	55990	1RB#0	21.65	22.65	23	PASS
Band48	5MHz	QPSK	55990	1RB#12	21.68	22.68	23	PASS
Band48	5MHz	QPSK	55990	1RB#24	21.63	22.63	23	PASS
Band48	5MHz	QPSK	55990	25RB#0	21.1	22.1	23	PASS
Band48	5MHz	QPSK	56715	1RB#0	21.81	22.81	23	PASS
Band48	5MHz	QPSK	56715	1RB#12	21.81	22.81	23	PASS
Band48	5MHz	QPSK	56715	1RB#24	21.66	22.66	23	PASS
Band48	5MHz	QPSK	56715	25RB#0	21.23	22.23	23	PASS
Band48	5MHz	16QAM	55265	1RB#0	21.32	22.32	23	PASS
Band48	5MHz	16QAM	55265	1RB#12	21.3	22.3	23	PASS
Band48	5MHz	16QAM	55265	1RB#24	21.31	22.31	23	PASS
Band48	5MHz	16QAM	55265	25RB#0	20.27	21.27	23	PASS
Band48	5MHz	16QAM	55990	1RB#0	21.25	22.25	23	PASS
Band48	5MHz	16QAM	55990	1RB#12	21.17	22.17	23	PASS
Band48	5MHz	16QAM	55990	1RB#24	21.15	22.15	23	PASS
Band48	5MHz	16QAM	55990	25RB#0	20.15	21.15	23	PASS
Band48	5MHz	16QAM	56715	1RB#0	21.34	22.34	23	PASS
Band48	5MHz	16QAM	56715	1RB#12	21.32	22.32	23	PASS
Band48	5MHz	16QAM	56715	1RB#24	21.29	22.29	23	PASS
Band48	5MHz	16QAM	56715	25RB#0	20.28	21.28	23	PASS
Band48	5MHz	64QAM	55265	1RB#0	19.96	20.96	23	PASS



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Band48	5MHz	64QAM	55265	1RB#12	19.9	20.9	23	PASS
Band48	5MHz	64QAM	55265	1RB#24	19.88	20.88	23	PASS
Band48	5MHz	64QAM	55265	25RB#0	19.32	20.32	23	PASS
Band48	5MHz	64QAM	55990	1RB#0	19.85	20.85	23	PASS
Band48	5MHz	64QAM	55990	1RB#12	19.74	20.74	23	PASS
Band48	5MHz	64QAM	55990	1RB#24	19.72	20.72	23	PASS
Band48	5MHz	64QAM	55990	25RB#0	19.19	20.19	23	PASS
Band48	5MHz	64QAM	56715	1RB#0	19.95	20.95	23	PASS
Band48	5MHz	64QAM	56715	1RB#12	19.89	20.89	23	PASS
Band48	5MHz	64QAM	56715	1RB#24	19.89	20.89	23	PASS
Band48	5MHz	64QAM	56715	25RB#0	19.29	20.29	23	PASS
Band48	10MHz	QPSK	55290	1RB#0	21.68	22.68	23	PASS
Band48	10MHz	QPSK	55290	1RB#24	21.62	22.62	23	PASS
Band48	10MHz	QPSK	55290	1RB#49	21.67	22.67	23	PASS
Band48	10MHz	QPSK	55290	50RB#0	21.19	22.19	23	PASS
Band48	10MHz	QPSK	55990	1RB#0	21.69	22.69	23	PASS
Band48	10MHz	QPSK	55990	1RB#24	21.64	22.64	23	PASS
Band48	10MHz	QPSK	55990	1RB#49	21.61	22.61	23	PASS
Band48	10MHz	QPSK	55990	50RB#0	21.1	22.1	23	PASS
Band48	10MHz	QPSK	56690	1RB#0	21.61	22.61	23	PASS
Band48	10MHz	QPSK	56690	1RB#24	21.8	22.8	23	PASS
Band48	10MHz	QPSK	56690	1RB#49	21.8	22.8	23	PASS
Band48	10MHz	QPSK	56690	50RB#0	21.24	22.24	23	PASS
Band48	10MHz	16QAM	55290	1RB#0	21.3	22.3	23	PASS
Band48	10MHz	16QAM	55290	1RB#24	21.24	22.24	23	PASS
Band48	10MHz	16QAM	55290	1RB#49	21.18	22.18	23	PASS
Band48	10MHz	16QAM	55290	50RB#0	20.26	21.26	23	PASS
Band48	10MHz	16QAM	55990	1RB#0	21.24	22.24	23	PASS
Band48	10MHz	16QAM	55990	1RB#24	21.2	22.2	23	PASS
Band48	10MHz	16QAM	55990	1RB#49	21.1	22.1	23	PASS
Band48	10MHz	16QAM	55990	50RB#0	20.16	21.16	23	PASS
Band48	10MHz	16QAM	56690	1RB#0	21.23	22.23	23	PASS
Band48	10MHz	16QAM	56690	1RB#24	21.33	22.33	23	PASS



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Band48	10MHz	16QAM	56690	1RB#49	21.3	22.3	23	PASS
Band48	10MHz	16QAM	56690	50RB#0	20.28	21.28	23	PASS
Band48	10MHz	64QAM	55290	1RB#0	19.9	20.9	23	PASS
Band48	10MHz	64QAM	55290	1RB#24	19.81	20.81	23	PASS
Band48	10MHz	64QAM	55290	1RB#49	19.8	20.8	23	PASS
Band48	10MHz	64QAM	55290	50RB#0	19.22	20.22	23	PASS
Band48	10MHz	64QAM	55990	1RB#0	19.84	20.84	23	PASS
Band48	10MHz	64QAM	55990	1RB#24	19.76	20.76	23	PASS
Band48	10MHz	64QAM	55990	1RB#49	19.69	20.69	23	PASS
Band48	10MHz	64QAM	55990	50RB#0	19.13	20.13	23	PASS
Band48	10MHz	64QAM	56690	1RB#0	19.81	20.81	23	PASS
Band48	10MHz	64QAM	56690	1RB#24	19.89	20.89	23	PASS
Band48	10MHz	64QAM	56690	1RB#49	19.91	20.91	23	PASS
Band48	10MHz	64QAM	56690	50RB#0	19.27	20.27	23	PASS
Band48	15MHz	QPSK	55315	1RB#0	21.83	22.83	23	PASS
Band48	15MHz	QPSK	55315	1RB#38	21.62	22.62	23	PASS
Band48	15MHz	QPSK	55315	1RB#74	21.8	22.8	23	PASS
Band48	15MHz	QPSK	55315	75RB#0	21.15	22.15	23	PASS
Band48	15MHz	QPSK	55990	1RB#0	21.8	22.8	23	PASS
Band48	15MHz	QPSK	55990	1RB#38	21.67	22.67	23	PASS
Band48	15MHz	QPSK	55990	1RB#74	21.67	22.67	23	PASS
Band48	15MHz	QPSK	55990	75RB#0	21.11	22.11	23	PASS
Band48	15MHz	QPSK	56665	1RB#0	21.99	22.99	23	PASS
Band48	15MHz	QPSK	56665	1RB#38	21.84	22.84	23	PASS
Band48	15MHz	QPSK	56665	1RB#74	21.89	22.89	23	PASS
Band48	15MHz	QPSK	56665	75RB#0	21.2	22.2	23	PASS
Band48	15MHz	16QAM	55315	1RB#0	21.36	22.36	23	PASS
Band48	15MHz	16QAM	55315	1RB#38	21.24	22.24	23	PASS
Band48	15MHz	16QAM	55315	1RB#74	21.26	22.26	23	PASS
Band48	15MHz	16QAM	55315	75RB#0	20.22	21.22	23	PASS
Band48	15MHz	16QAM	55990	1RB#0	21.26	22.26	23	PASS
Band48	15MHz	16QAM	55990	1RB#38	21.2	22.2	23	PASS
Band48	15MHz	16QAM	55990	1RB#74	21.19	22.19	23	PASS



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Band48	15MHz	16QAM	55990	75RB#0	20.18	21.18	23	PASS
Band48	15MHz	16QAM	56665	1RB#0	21.09	22.09	23	PASS
Band48	15MHz	16QAM	56665	1RB#38	21.37	22.37	23	PASS
Band48	15MHz	16QAM	56665	1RB#74	21.44	22.44	23	PASS
Band48	15MHz	16QAM	56665	75RB#0	20.28	21.28	23	PASS
Band48	15MHz	64QAM	55315	1RB#0	19.89	20.89	23	PASS
Band48	15MHz	64QAM	55315	1RB#38	19.81	20.81	23	PASS
Band48	15MHz	64QAM	55315	1RB#74	19.85	20.85	23	PASS
Band48	15MHz	64QAM	55315	75RB#0	19.19	20.19	23	PASS
Band48	15MHz	64QAM	55990	1RB#0	19.85	20.85	23	PASS
Band48	15MHz	64QAM	55990	1RB#38	19.82	20.82	23	PASS
Band48	15MHz	64QAM	55990	1RB#74	19.78	20.78	23	PASS
Band48	15MHz	64QAM	55990	75RB#0	19.16	20.16	23	PASS
Band48	15MHz	64QAM	56665	1RB#0	19.66	20.66	23	PASS
Band48	15MHz	64QAM	56665	1RB#38	19.96	20.96	23	PASS
Band48	15MHz	64QAM	56665	1RB#74	20.04	21.04	23	PASS
Band48	15MHz	64QAM	56665	75RB#0	19.26	20.26	23	PASS
Band48	20MHz	QPSK	55340	1RB#0	21.92	22.92	23	PASS
Band48	20MHz	QPSK	55340	1RB#49	21.67	22.67	23	PASS
Band48	20MHz	QPSK	55340	1RB#99	21.85	22.85	23	PASS
Band48	20MHz	QPSK	55340	100RB#0	21.15	22.15	23	PASS
Band48	20MHz	QPSK	55990	1RB#0	21.65	22.65	23	PASS
Band48	20MHz	QPSK	55990	1RB#49	21.68	22.68	23	PASS
Band48	20MHz	QPSK	55990	1RB#99	21.66	22.66	23	PASS
Band48	20MHz	QPSK	55990	100RB#0	21.08	22.08	23	PASS
Band48	20MHz	QPSK	56640	1RB#0	21.95	22.95	23	PASS
Band48	20MHz	QPSK	56640	1RB#49	21.62	22.62	23	PASS
Band48	20MHz	QPSK	56640	1RB#99	21.91	22.91	23	PASS
Band48	20MHz	QPSK	56640	100RB#0	21.16	22.16	23	PASS
Band48	20MHz	16QAM	55340	1RB#0	21.42	22.42	23	PASS
Band48	20MHz	16QAM	55340	1RB#49	21.17	22.17	23	PASS
Band48	20MHz	16QAM	55340	1RB#99	21.33	22.33	23	PASS
Band48	20MHz	16QAM	55340	100RB#0	20.21	21.21	23	PASS



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Band48	20MHz	16QAM	55990	1RB#0	21.3	22.3	23	PASS
Band48	20MHz	16QAM	55990	1RB#49	21.2	22.2	23	PASS
Band48	20MHz	16QAM	55990	1RB#99	21.17	22.17	23	PASS
Band48	20MHz	16QAM	55990	100RB#0	20.13	21.13	23	PASS
Band48	20MHz	16QAM	56640	1RB#0	21.12	22.12	23	PASS
Band48	20MHz	16QAM	56640	1RB#49	21.27	22.27	23	PASS
Band48	20MHz	16QAM	56640	1RB#99	21.43	22.43	23	PASS
Band48	20MHz	16QAM	56640	100RB#0	20.23	21.23	23	PASS
Band48	20MHz	64QAM	55340	1RB#0	19.94	20.94	23	PASS
Band48	20MHz	64QAM	55340	1RB#49	19.79	20.79	23	PASS
Band48	20MHz	64QAM	55340	1RB#99	19.96	20.96	23	PASS
Band48	20MHz	64QAM	55340	100RB#0	19.19	20.19	23	PASS
Band48	20MHz	64QAM	55990	1RB#0	19.87	20.87	23	PASS
Band48	20MHz	64QAM	55990	1RB#49	19.81	20.81	23	PASS
Band48	20MHz	64QAM	55990	1RB#99	19.74	20.74	23	PASS
Band48	20MHz	64QAM	55990	100RB#0	19.16	20.16	23	PASS
Band48	20MHz	64QAM	56640	1RB#0	19.69	20.69	23	PASS
Band48	20MHz	64QAM	56640	1RB#49	19.9	20.9	23	PASS
Band48	20MHz	64QAM	56640	1RB#99	20.01	21.01	23	PASS
Band48	20MHz	64QAM	56640	100RB#0	19.18	20.18	23	PASS



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Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm/10MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Verdict
Band48	5MHz	QPSK	55265	1RB#0	21.64	22.64	23	PASS
Band48	5MHz	QPSK	55265	1RB#12	21.45	22.45	23	PASS
Band48	5MHz	QPSK	55265	1RB#24	21.65	22.65	23	PASS
Band48	5MHz	QPSK	55265	25RB#0	20.43	21.43	23	PASS
Band48	5MHz	QPSK	55990	1RB#0	21.89	22.89	23	PASS
Band48	5MHz	QPSK	55990	1RB#12	21.93	22.93	23	PASS
Band48	5MHz	QPSK	55990	1RB#24	21.89	22.89	23	PASS
Band48	5MHz	QPSK	55990	25RB#0	20.74	21.74	23	PASS
Band48	5MHz	QPSK	56715	1RB#0	21.84	22.84	23	PASS
Band48	5MHz	QPSK	56715	1RB#12	21.93	22.93	23	PASS
Band48	5MHz	QPSK	56715	1RB#24	21.88	22.88	23	PASS
Band48	5MHz	QPSK	56715	25RB#0	20.78	21.78	23	PASS
Band48	5MHz	16QAM	55265	1RB#0	20.92	21.92	23	PASS
Band48	5MHz	16QAM	55265	1RB#12	20.84	21.84	23	PASS
Band48	5MHz	16QAM	55265	1RB#24	21	22	23	PASS
Band48	5MHz	16QAM	55265	25RB#0	19.54	20.54	23	PASS
Band48	5MHz	16QAM	55990	1RB#0	21.17	22.17	23	PASS
Band48	5MHz	16QAM	55990	1RB#12	21.11	22.11	23	PASS
Band48	5MHz	16QAM	55990	1RB#24	21.22	22.22	23	PASS
Band48	5MHz	16QAM	55990	25RB#0	19.71	20.71	23	PASS
Band48	5MHz	16QAM	56715	1RB#0	21.21	22.21	23	PASS
Band48	5MHz	16QAM	56715	1RB#12	21.05	22.05	23	PASS
Band48	5MHz	16QAM	56715	1RB#24	21.6	22.6	23	PASS
Band48	5MHz	16QAM	56715	25RB#0	19.75	20.75	23	PASS
Band48	5MHz	64QAM	55265	1RB#0	20.71	21.71	23	PASS
Band48	5MHz	64QAM	55265	1RB#12	20.74	21.74	23	PASS
Band48	5MHz	64QAM	55265	1RB#24	20.57	21.57	23	PASS
Band48	5MHz	64QAM	55265	25RB#0	19.87	20.87	23	PASS
Band48	5MHz	64QAM	55990	1RB#0	21.04	22.04	23	PASS
Band48	5MHz	64QAM	55990	1RB#12	21.14	22.14	23	PASS



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Band48	5MHz	64QAM	55990	1RB#24	21.22	22.22	23	PASS
Band48	5MHz	64QAM	55990	25RB#0	19.98	20.98	23	PASS
Band48	5MHz	64QAM	56715	1RB#0	20.97	21.97	23	PASS
Band48	5MHz	64QAM	56715	1RB#12	20.97	21.97	23	PASS
Band48	5MHz	64QAM	56715	1RB#24	21.16	22.16	23	PASS
Band48	5MHz	64QAM	56715	25RB#0	19.86	20.86	23	PASS
Band48	10MHz	QPSK	55290	1RB#0	21.57	22.57	23	PASS
Band48	10MHz	QPSK	55290	1RB#24	21.56	22.56	23	PASS
Band48	10MHz	QPSK	55290	1RB#49	21.45	22.45	23	PASS
Band48	10MHz	QPSK	55290	50RB#0	19.72	20.72	23	PASS
Band48	10MHz	QPSK	55990	1RB#0	21.91	22.91	23	PASS
Band48	10MHz	QPSK	55990	1RB#24	21.86	22.86	23	PASS
Band48	10MHz	QPSK	55990	1RB#49	21.61	22.61	23	PASS
Band48	10MHz	QPSK	55990	50RB#0	20.1	21.1	23	PASS
Band48	10MHz	QPSK	56690	1RB#0	21.94	22.94	23	PASS
Band48	10MHz	QPSK	56690	1RB#24	21.65	22.65	23	PASS
Band48	10MHz	QPSK	56690	1RB#49	21.91	22.91	23	PASS
Band48	10MHz	QPSK	56690	50RB#0	20.1	21.1	23	PASS
Band48	10MHz	16QAM	55290	1RB#0	20.89	21.89	23	PASS
Band48	10MHz	16QAM	55290	1RB#24	20.71	21.71	23	PASS
Band48	10MHz	16QAM	55290	1RB#49	20.48	21.48	23	PASS
Band48	10MHz	16QAM	55290	50RB#0	18.95	19.95	23	PASS
Band48	10MHz	16QAM	55990	1RB#0	21.04	22.04	23	PASS
Band48	10MHz	16QAM	55990	1RB#24	20.95	21.95	23	PASS
Band48	10MHz	16QAM	55990	1RB#49	21.21	22.21	23	PASS
Band48	10MHz	16QAM	55990	50RB#0	19.33	20.33	23	PASS
Band48	10MHz	16QAM	56690	1RB#0	20.87	21.87	23	PASS
Band48	10MHz	16QAM	56690	1RB#24	20.94	21.94	23	PASS
Band48	10MHz	16QAM	56690	1RB#49	21.35	22.35	23	PASS
Band48	10MHz	16QAM	56690	50RB#0	19.44	20.44	23	PASS
Band48	10MHz	64QAM	55290	1RB#0	19.88	20.88	23	PASS
Band48	10MHz	64QAM	55290	1RB#24	19.78	20.78	23	PASS
Band48	10MHz	64QAM	55290	1RB#49	19.66	20.66	23	PASS



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Band48	10MHz	64QAM	55290	50RB#0	18.19	19.19	23	PASS
Band48	10MHz	64QAM	55990	1RB#0	19.94	20.94	23	PASS
Band48	10MHz	64QAM	55990	1RB#24	20.08	21.08	23	PASS
Band48	10MHz	64QAM	55990	1RB#49	20.26	21.26	23	PASS
Band48	10MHz	64QAM	55990	50RB#0	18.12	19.12	23	PASS
Band48	10MHz	64QAM	56690	1RB#0	19.91	20.91	23	PASS
Band48	10MHz	64QAM	56690	1RB#24	19.88	20.88	23	PASS
Band48	10MHz	64QAM	56690	1RB#49	19.97	20.97	23	PASS
Band48	10MHz	64QAM	56690	50RB#0	18.42	19.42	23	PASS
Band48	15MHz	QPSK	55315	1RB#0	21.66	22.66	23	PASS
Band48	15MHz	QPSK	55315	1RB#38	21.6	22.6	23	PASS
Band48	15MHz	QPSK	55315	1RB#74	21.78	22.78	23	PASS
Band48	15MHz	QPSK	55315	75RB#0	19.27	20.27	23	PASS
Band48	15MHz	QPSK	55990	1RB#0	21.72	22.72	23	PASS
Band48	15MHz	QPSK	55990	1RB#38	21.77	22.77	23	PASS
Band48	15MHz	QPSK	55990	1RB#74	21.74	22.74	23	PASS
Band48	15MHz	QPSK	55990	75RB#0	19.4	20.4	23	PASS
Band48	15MHz	QPSK	56665	1RB#0	21.84	22.84	23	PASS
Band48	15MHz	QPSK	56665	1RB#38	21.99	22.99	23	PASS
Band48	15MHz	QPSK	56665	1RB#74	21.9	22.9	23	PASS
Band48	15MHz	QPSK	56665	75RB#0	19.66	20.66	23	PASS
Band48	15MHz	16QAM	55315	1RB#0	20.91	21.91	23	PASS
Band48	15MHz	16QAM	55315	1RB#38	20.71	21.71	23	PASS
Band48	15MHz	16QAM	55315	1RB#74	20.61	21.61	23	PASS
Band48	15MHz	16QAM	55315	75RB#0	18.52	19.52	23	PASS
Band48	15MHz	16QAM	55990	1RB#0	20.84	21.84	23	PASS
Band48	15MHz	16QAM	55990	1RB#38	21.47	22.47	23	PASS
Band48	15MHz	16QAM	55990	1RB#74	21.29	22.29	23	PASS
Band48	15MHz	16QAM	55990	75RB#0	18.45	19.45	23	PASS
Band48	15MHz	16QAM	56665	1RB#0	20.71	21.71	23	PASS
Band48	15MHz	16QAM	56665	1RB#38	21.22	22.22	23	PASS
Band48	15MHz	16QAM	56665	1RB#74	21.01	22.01	23	PASS
Band48	15MHz	16QAM	56665	75RB#0	18.35	19.35	23	PASS



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Band48	15MHz	64QAM	55315	1RB#0	20	21	23	PASS
Band48	15MHz	64QAM	55315	1RB#38	19.86	20.86	23	PASS
Band48	15MHz	64QAM	55315	1RB#74	19.7	20.7	23	PASS
Band48	15MHz	64QAM	55315	75RB#0	17.2	18.2	23	PASS
Band48	15MHz	64QAM	55990	1RB#0	19.8	20.8	23	PASS
Band48	15MHz	64QAM	55990	1RB#38	20.28	21.28	23	PASS
Band48	15MHz	64QAM	55990	1RB#74	20.14	21.14	23	PASS
Band48	15MHz	64QAM	55990	75RB#0	17.33	18.33	23	PASS
Band48	15MHz	64QAM	56665	1RB#0	19.86	20.86	23	PASS
Band48	15MHz	64QAM	56665	1RB#38	19.88	20.88	23	PASS
Band48	15MHz	64QAM	56665	1RB#74	20.11	21.11	23	PASS
Band48	15MHz	64QAM	56665	75RB#0	17.46	18.46	23	PASS
Band48	20MHz	QPSK	55340	1RB#0	21.6	22.6	23	PASS
Band48	20MHz	QPSK	55340	1RB#49	21.47	22.47	23	PASS
Band48	20MHz	QPSK	55340	1RB#99	21.5	22.5	23	PASS
Band48	20MHz	QPSK	55340	100RB#0	18.37	19.37	23	PASS
Band48	20MHz	QPSK	55990	1RB#0	21.84	22.84	23	PASS
Band48	20MHz	QPSK	55990	1RB#49	21.73	22.73	23	PASS
Band48	20MHz	QPSK	55990	1RB#99	21.69	22.69	23	PASS
Band48	20MHz	QPSK	55990	100RB#0	18.58	19.58	23	PASS
Band48	20MHz	QPSK	56640	1RB#0	21.65	22.65	23	PASS
Band48	20MHz	QPSK	56640	1RB#49	21.57	22.57	23	PASS
Band48	20MHz	QPSK	56640	1RB#99	21.8	22.8	23	PASS
Band48	20MHz	QPSK	56640	100RB#0	18.25	19.25	23	PASS
Band48	20MHz	16QAM	55340	1RB#0	20.77	21.77	23	PASS
Band48	20MHz	16QAM	55340	1RB#49	20.42	21.42	23	PASS
Band48	20MHz	16QAM	55340	1RB#99	20.9	21.9	23	PASS
Band48	20MHz	16QAM	55340	100RB#0	17.29	18.29	23	PASS
Band48	20MHz	16QAM	55990	1RB#0	21	22	23	PASS
Band48	20MHz	16QAM	55990	1RB#49	20.97	21.97	23	PASS
Band48	20MHz	16QAM	55990	1RB#99	20.96	21.96	23	PASS
Band48	20MHz	16QAM	55990	100RB#0	17.62	18.62	23	PASS
Band48	20MHz	16QAM	56640	1RB#0	20.91	21.91	23	PASS



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Band48	20MHz	16QAM	56640	1RB#49	20.92	21.92	23	PASS
Band48	20MHz	16QAM	56640	1RB#99	21.4	22.4	23	PASS
Band48	20MHz	16QAM	56640	100RB#0	17.67	18.67	23	PASS
Band48	20MHz	64QAM	55340	1RB#0	19.56	20.56	23	PASS
Band48	20MHz	64QAM	55340	1RB#49	19.69	20.69	23	PASS
Band48	20MHz	64QAM	55340	1RB#99	19.75	20.75	23	PASS
Band48	20MHz	64QAM	55340	100RB#0	16.47	17.47	23	PASS
Band48	20MHz	64QAM	55990	1RB#0	19.72	20.72	23	PASS
Band48	20MHz	64QAM	55990	1RB#49	19.94	20.94	23	PASS
Band48	20MHz	64QAM	55990	1RB#99	19.91	20.91	23	PASS
Band48	20MHz	64QAM	55990	100RB#0	16.85	17.85	23	PASS
Band48	20MHz	64QAM	56640	1RB#0	19.61	20.61	23	PASS
Band48	20MHz	64QAM	56640	1RB#49	19.68	20.68	23	PASS
Band48	20MHz	64QAM	56640	1RB#99	20	21	23	PASS
Band48	20MHz	64QAM	56640	100RB#0	16.46	17.46	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	7.96	13	PASS
Band48	20MHz	QPSK	55990	100RB#0	7.94	13	PASS
Band48	20MHz	QPSK	56640	100RB#0	7.96	13	PASS
Band48	20MHz	16QAM	55340	100RB#0	8.66	13	PASS
Band48	20MHz	16QAM	55990	100RB#0	8.58	13	PASS
Band48	20MHz	16QAM	56640	100RB#0	8.80	13	PASS
Band48	20MHz	64QAM	55340	100RB#0	8.76	13	PASS
Band48	20MHz	64QAM	55990	100RB#0	8.84	13	PASS
Band48	20MHz	64QAM	56640	100RB#0	9.00	13	PASS



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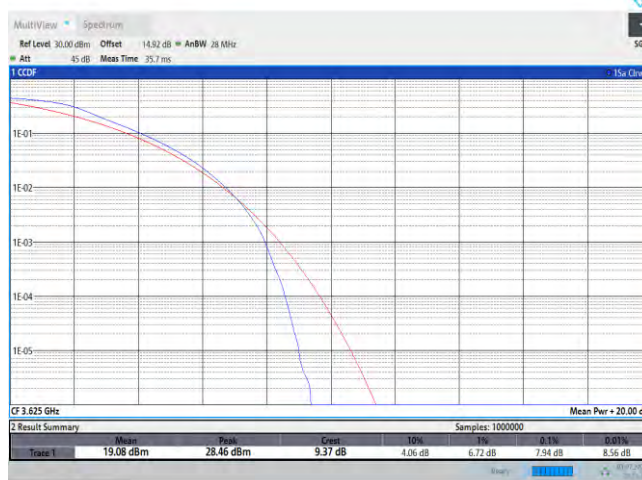
Test Graphs

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



13:14:22 03.07.2023

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



13:15:12 03.07.2023

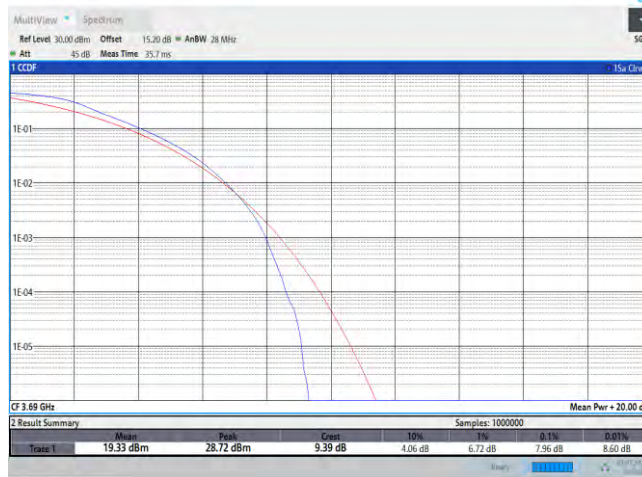


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### Band48-20MHz-QPSK-56640-100RB#0



13:16:02 03.07.2023

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

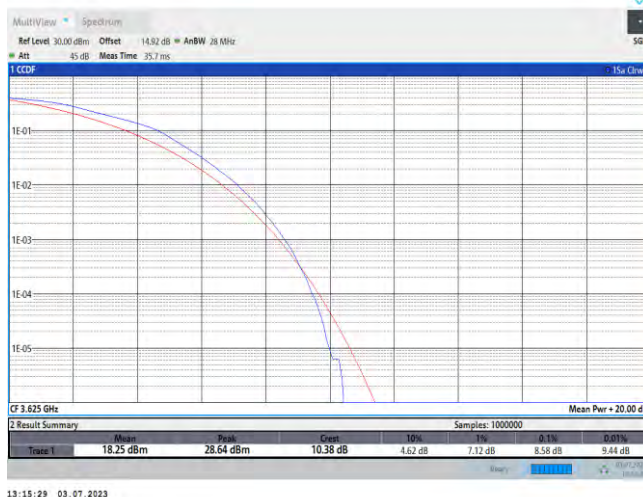


13:14:39 03.07.2023



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



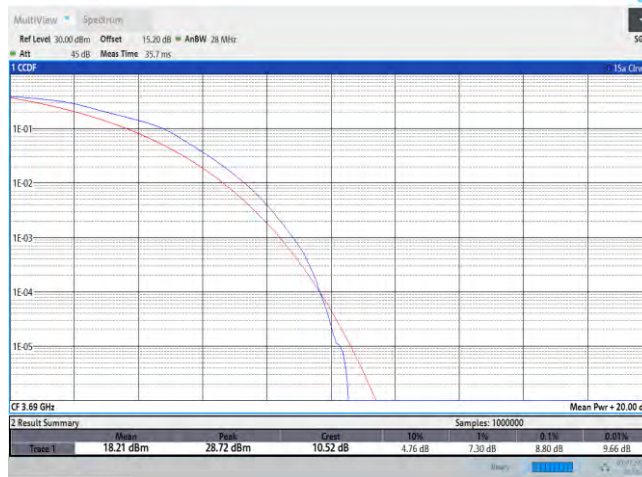
13:15:29 03.07.2023



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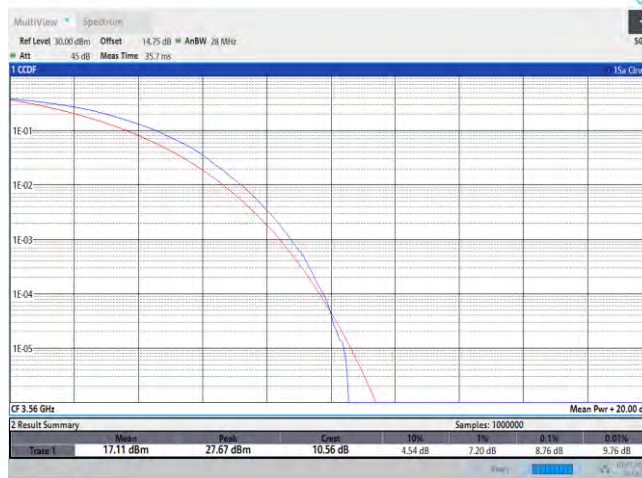
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### Band48-20MHz-16QAM-56640-100RB#0



13:16:19 03.07.2023

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



13:14:55 03.07.2023



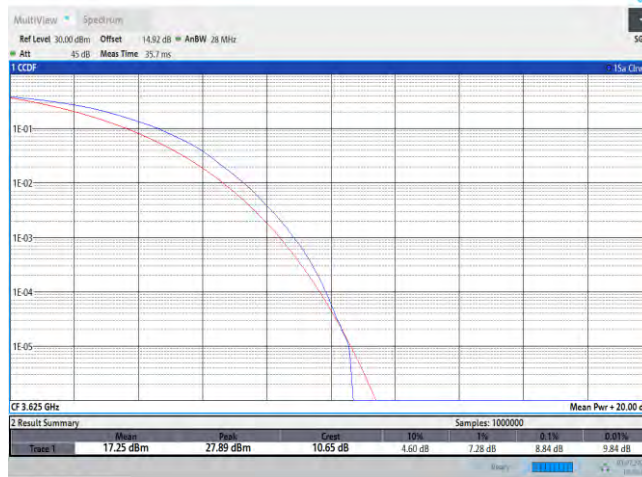
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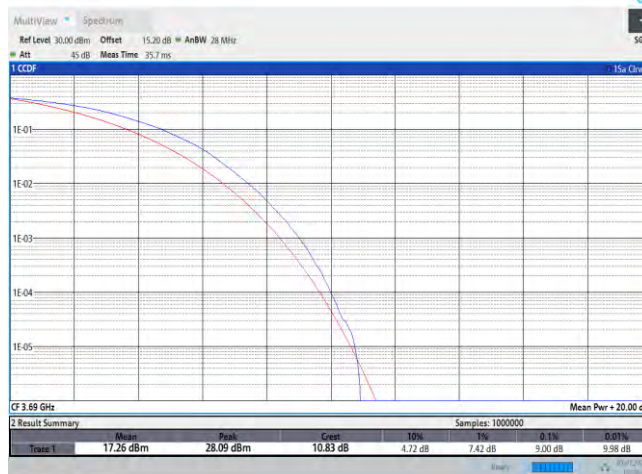


### Band48-20MHz-64QAM-55990-100RB#0



13:15:46 03.07.2023

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



13:16:36 03.07.2023



## 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	4.478	4.89	PASS
Band48	5MHz	QPSK	55990	25RB#0	4.479	4.90	PASS
Band48	5MHz	QPSK	56715	25RB#0	4.479	4.91	PASS
Band48	5MHz	16QAM	55265	25RB#0	4.48	4.89	PASS
Band48	5MHz	16QAM	55990	25RB#0	4.48	4.90	PASS
Band48	5MHz	16QAM	56715	25RB#0	4.477	4.90	PASS
Band48	5MHz	64QAM	55265	25RB#0	4.483	5.13	PASS
Band48	5MHz	64QAM	55990	25RB#0	4.483	4.91	PASS
Band48	5MHz	64QAM	56715	25RB#0	4.482	4.90	PASS
Band48	10MHz	QPSK	55290	50RB#0	8.937	9.70	PASS
Band48	10MHz	QPSK	55990	50RB#0	8.94	9.70	PASS
Band48	10MHz	QPSK	56690	50RB#0	8.94	9.72	PASS
Band48	10MHz	16QAM	55290	50RB#0	8.916	9.62	PASS
Band48	10MHz	16QAM	55990	50RB#0	8.918	9.62	PASS
Band48	10MHz	16QAM	56690	50RB#0	8.925	9.62	PASS
Band48	10MHz	64QAM	55290	50RB#0	8.936	9.64	PASS
Band48	10MHz	64QAM	55990	50RB#0	8.936	9.66	PASS
Band48	10MHz	64QAM	56690	50RB#0	8.935	9.64	PASS
Band48	15MHz	QPSK	55315	75RB#0	13.496	14.91	PASS
Band48	15MHz	QPSK	55990	75RB#0	13.496	14.88	PASS
Band48	15MHz	QPSK	56665	75RB#0	13.491	14.88	PASS
Band48	15MHz	16QAM	55315	75RB#0	13.465	14.91	PASS
Band48	15MHz	16QAM	55990	75RB#0	13.462	14.85	PASS
Band48	15MHz	16QAM	56665	75RB#0	13.465	14.88	PASS
Band48	15MHz	64QAM	55315	75RB#0	13.438	14.79	PASS
Band48	15MHz	64QAM	55990	75RB#0	13.436	14.79	PASS
Band48	15MHz	64QAM	56665	75RB#0	13.444	14.79	PASS
Band48	20MHz	QPSK	55340	100RB#0	17.921	19.44	PASS
Band48	20MHz	QPSK	55990	100RB#0	17.909	19.40	PASS



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Report No.: XEWM2306000327RG01  
 Rev.: 01  
 Page: 19 of 83

Band48	20MHz	QPSK	56640	100RB#0	17.914	19.44	PASS
Band48	20MHz	16QAM	55340	100RB#0	17.897	19.36	PASS
Band48	20MHz	16QAM	55990	100RB#0	17.898	19.32	PASS
Band48	20MHz	16QAM	56640	100RB#0	17.899	19.36	PASS
Band48	20MHz	64QAM	55340	100RB#0	17.9	19.56	PASS
Band48	20MHz	64QAM	55990	100RB#0	17.894	19.56	PASS
Band48	20MHz	64QAM	56640	100RB#0	17.902	19.56	PASS



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Test Graphs

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



Band48-5MHz-QPSK-55990-25RB#0

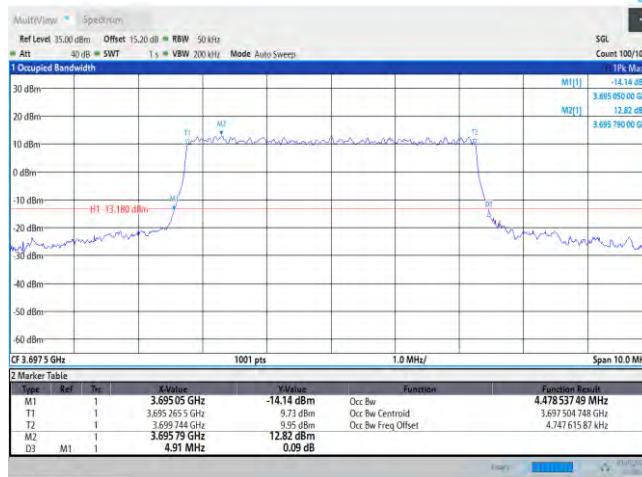


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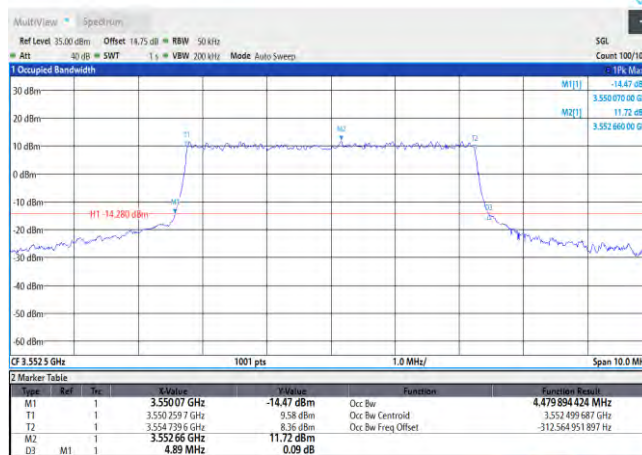
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Band48-5MHz-QPSK-56715-25RB#0



12:49:40 03.07.2023

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



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



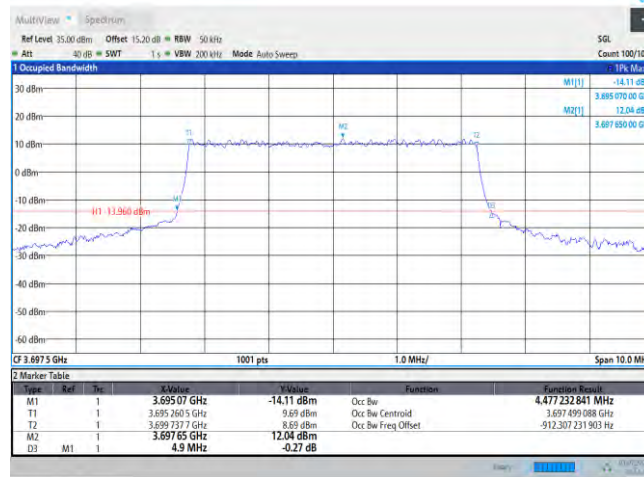
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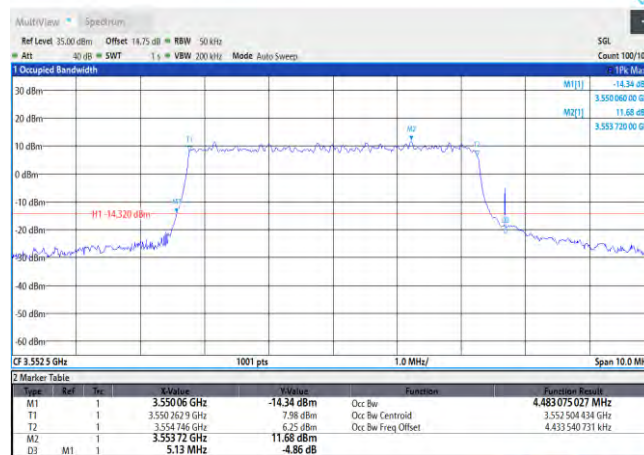
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Band48-5MHz-16QAM-56715-25RB#0



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



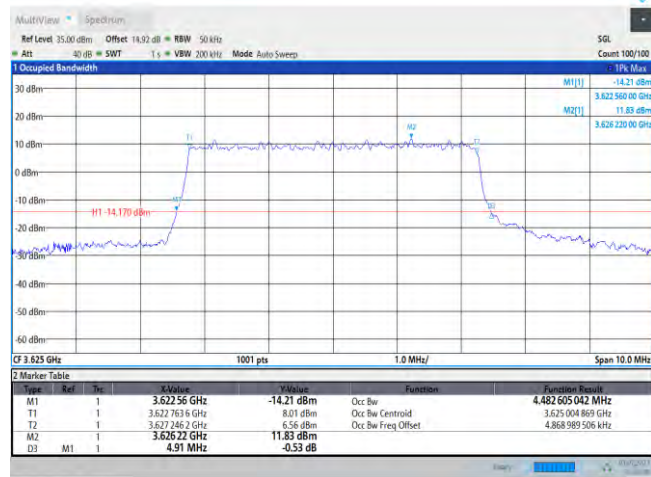
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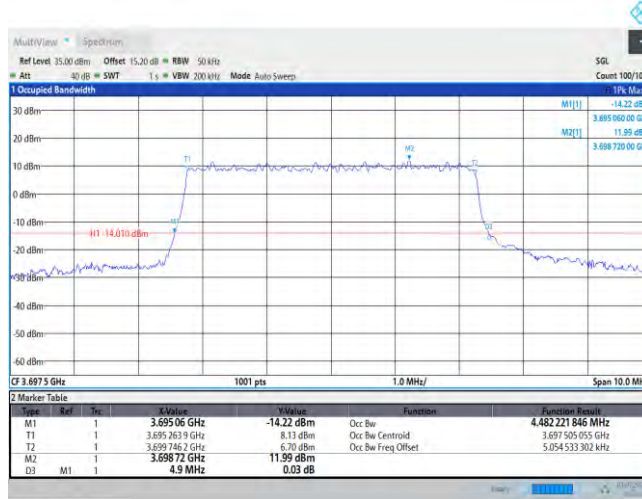


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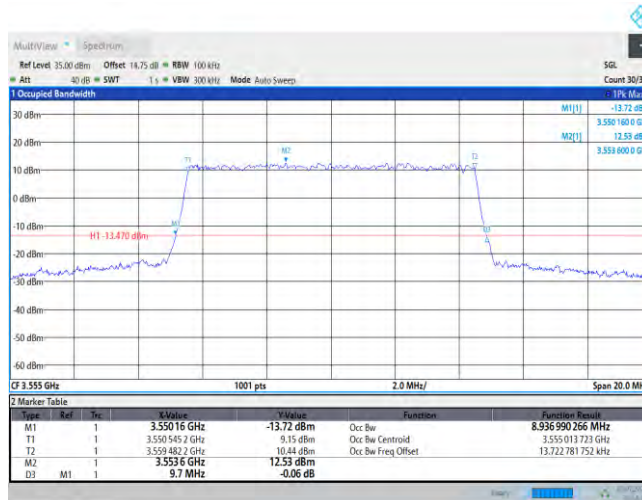


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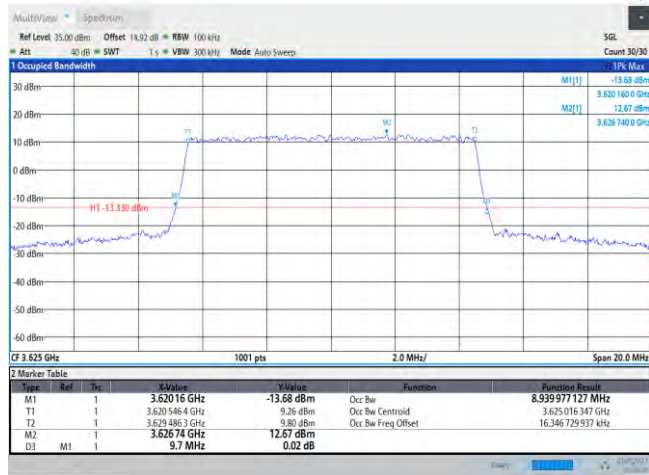
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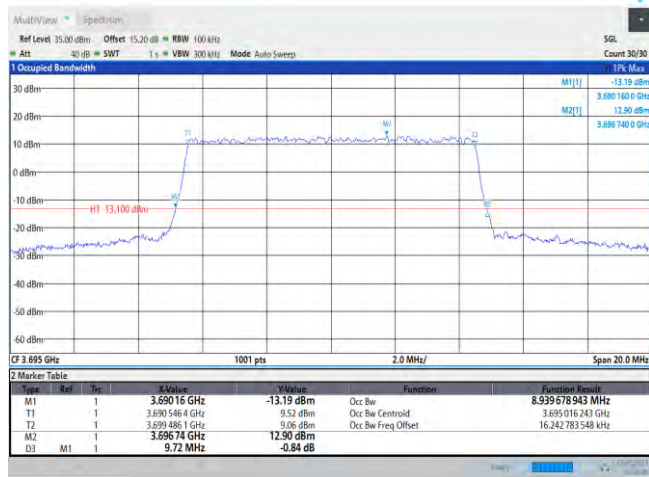
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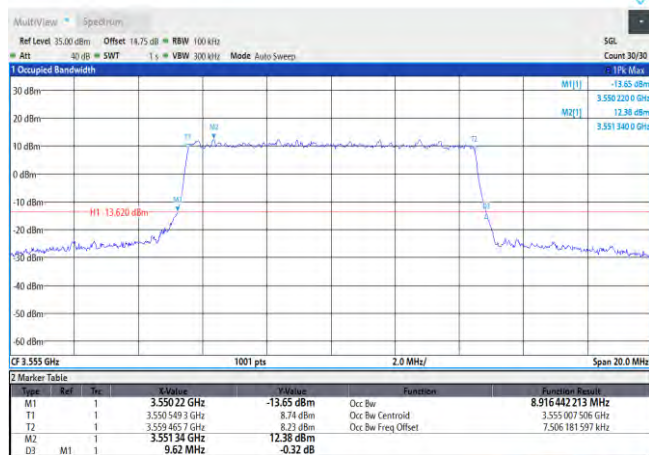
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12:58:46 03.07.2023

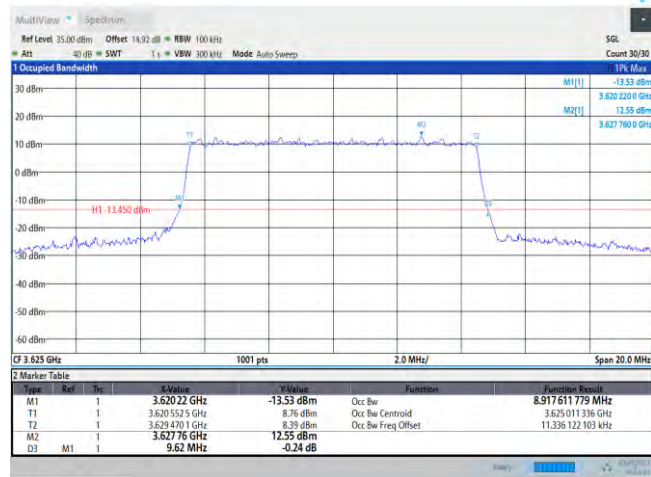
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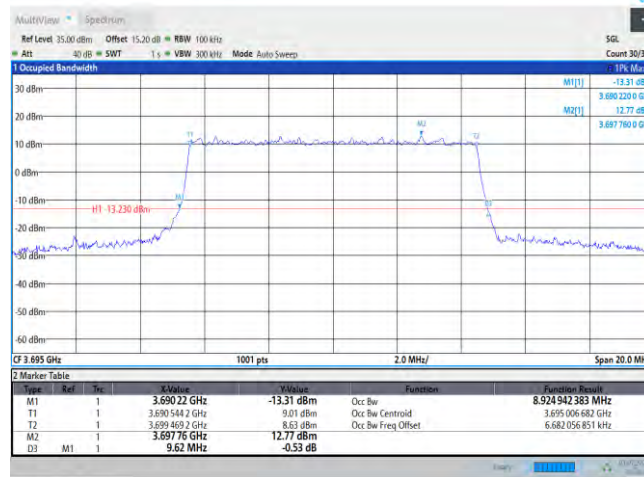
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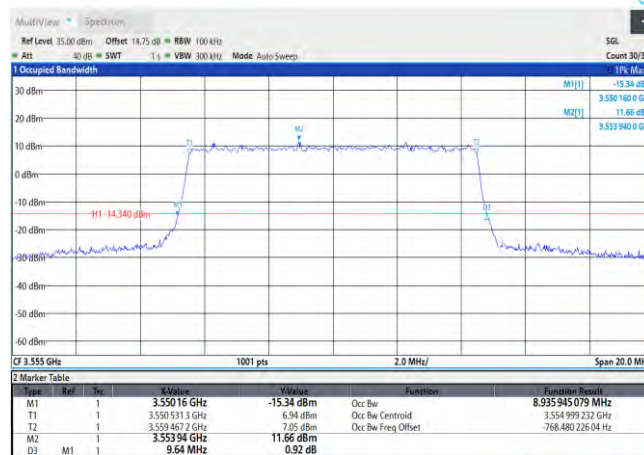
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### Band48-10MHz-16QAM-56690-50RB#0



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



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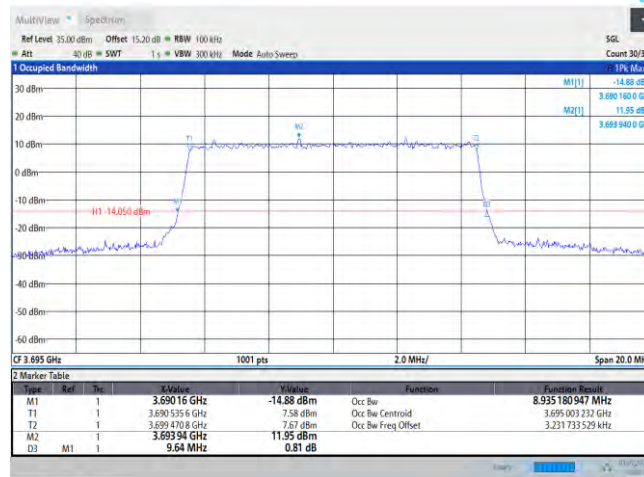
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### Band48-10MHz-64QAM-56690-50RB#0



13:00:12 03.07.2023

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



13:01:17 03.07.2023



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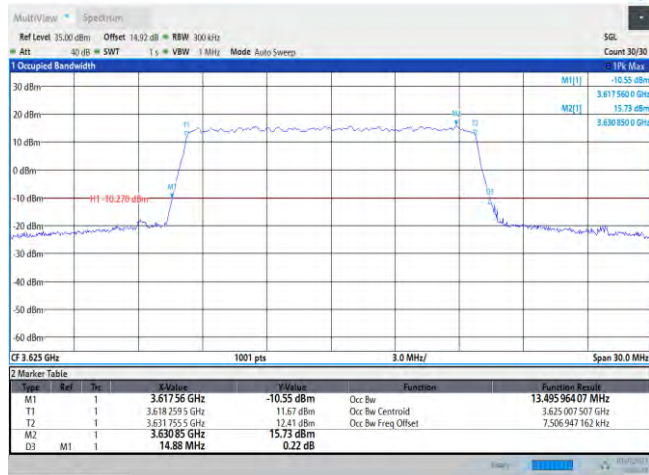
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### Band48-15MHz-QPSK-55990-75RB#0



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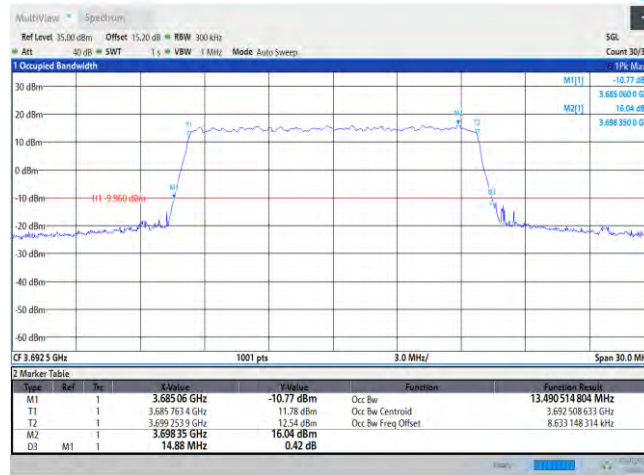
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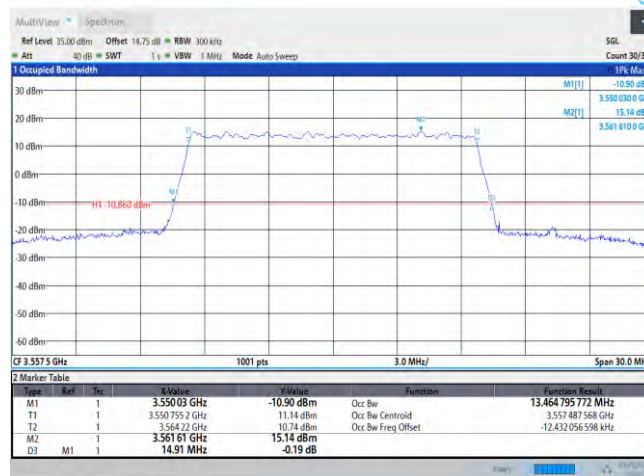


### Band48-15MHz-QPSK-56665-75RB#0



13:05:33 03.07.2023

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



13:02:00 03.07.2023



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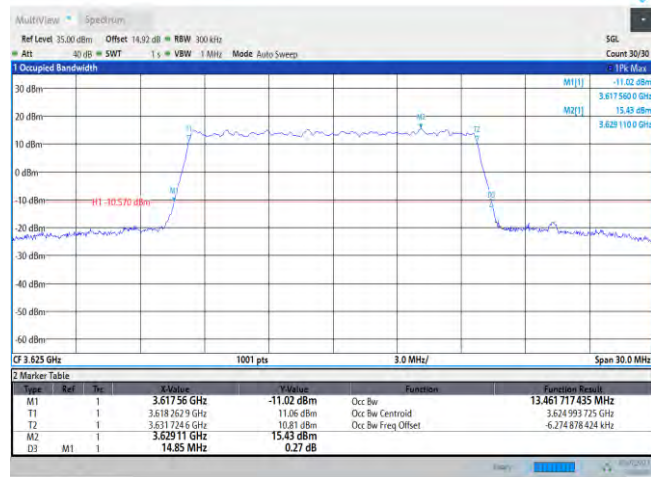
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### Band48-15MHz-16QAM-55990-75RB#0



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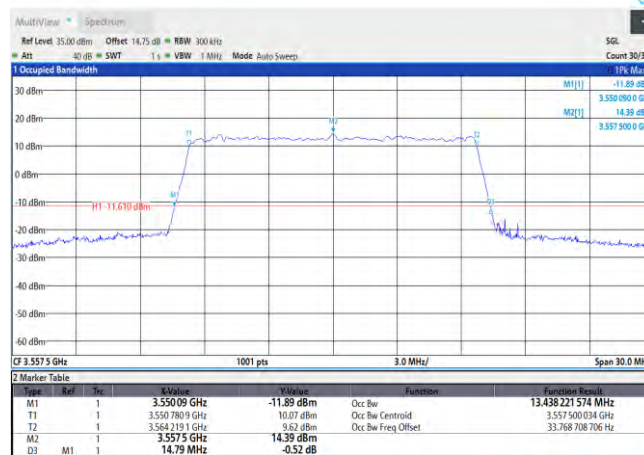
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### Band48-15MHz-16QAM-56665-75RB#0



13:06:15 03.07.2023

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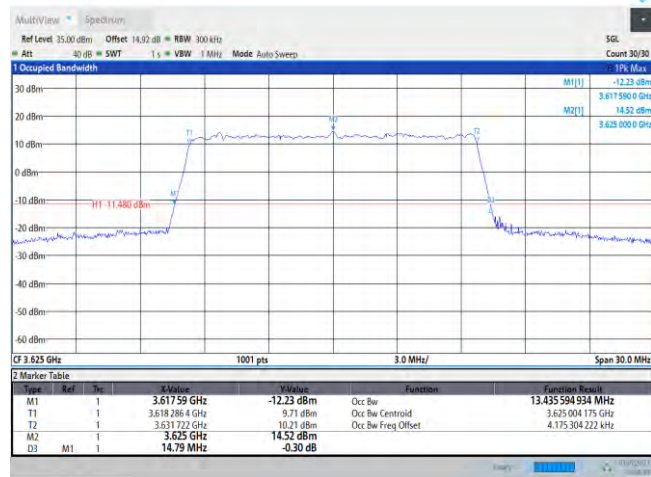
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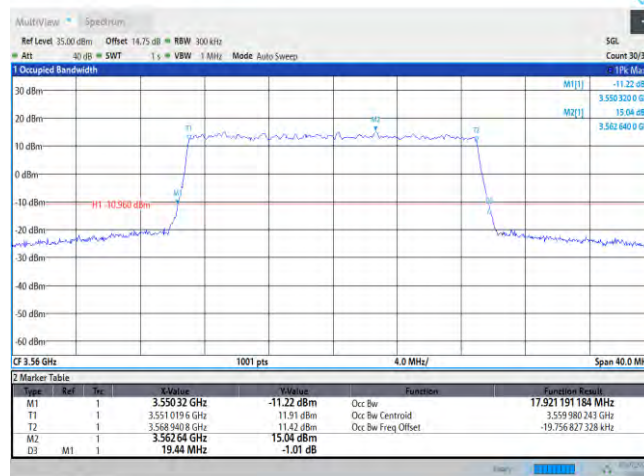
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### Band48-15MHz-64QAM-56665-75RB#0



13:06:58 03.07.2023

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



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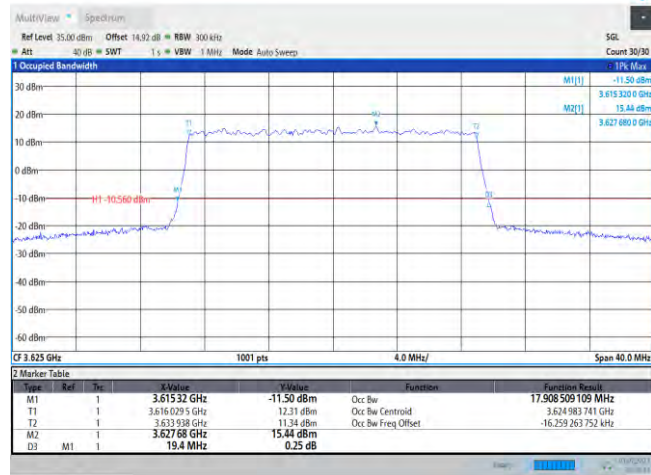


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### Band48-20MHz-QPSK-55990-100RB#0



13:10:11 03.07.2023



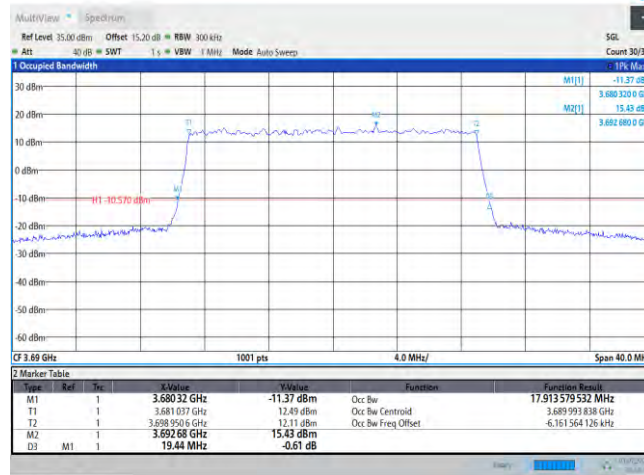
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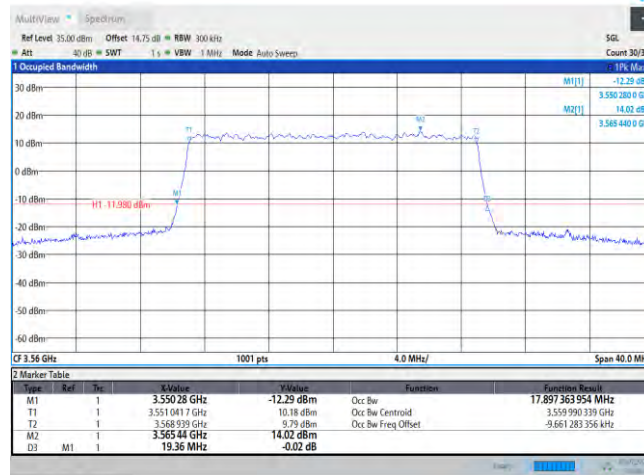
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13:12:19 03.07.2023

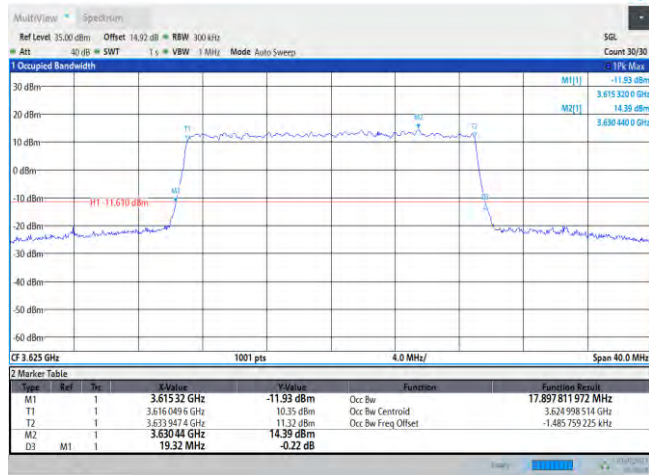
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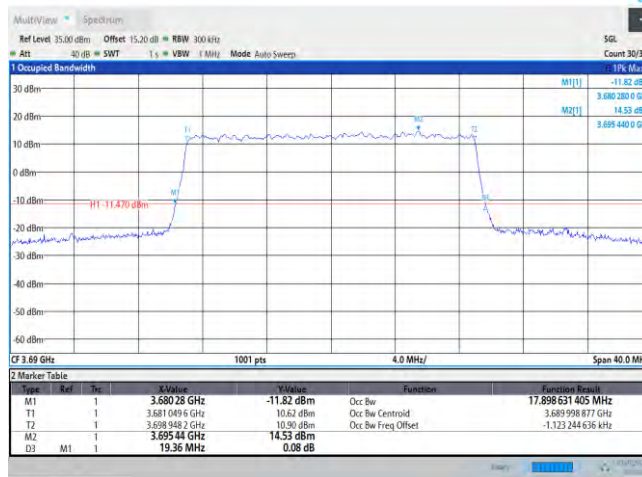


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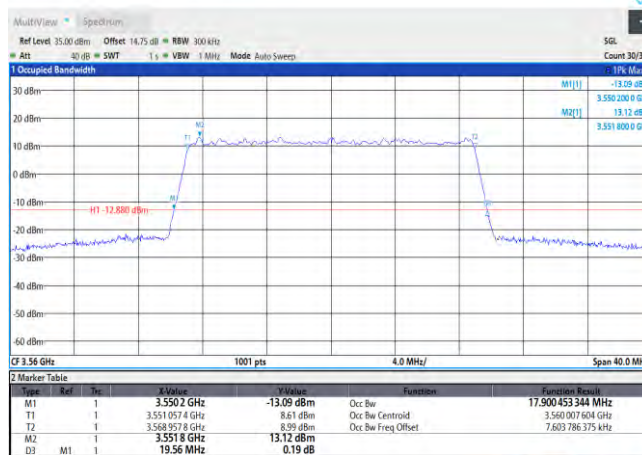


### Band48-20MHz-16QAM-56640-100RB#0



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



13:09:29 03.07.2023



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



13:11:36 03.07.2023

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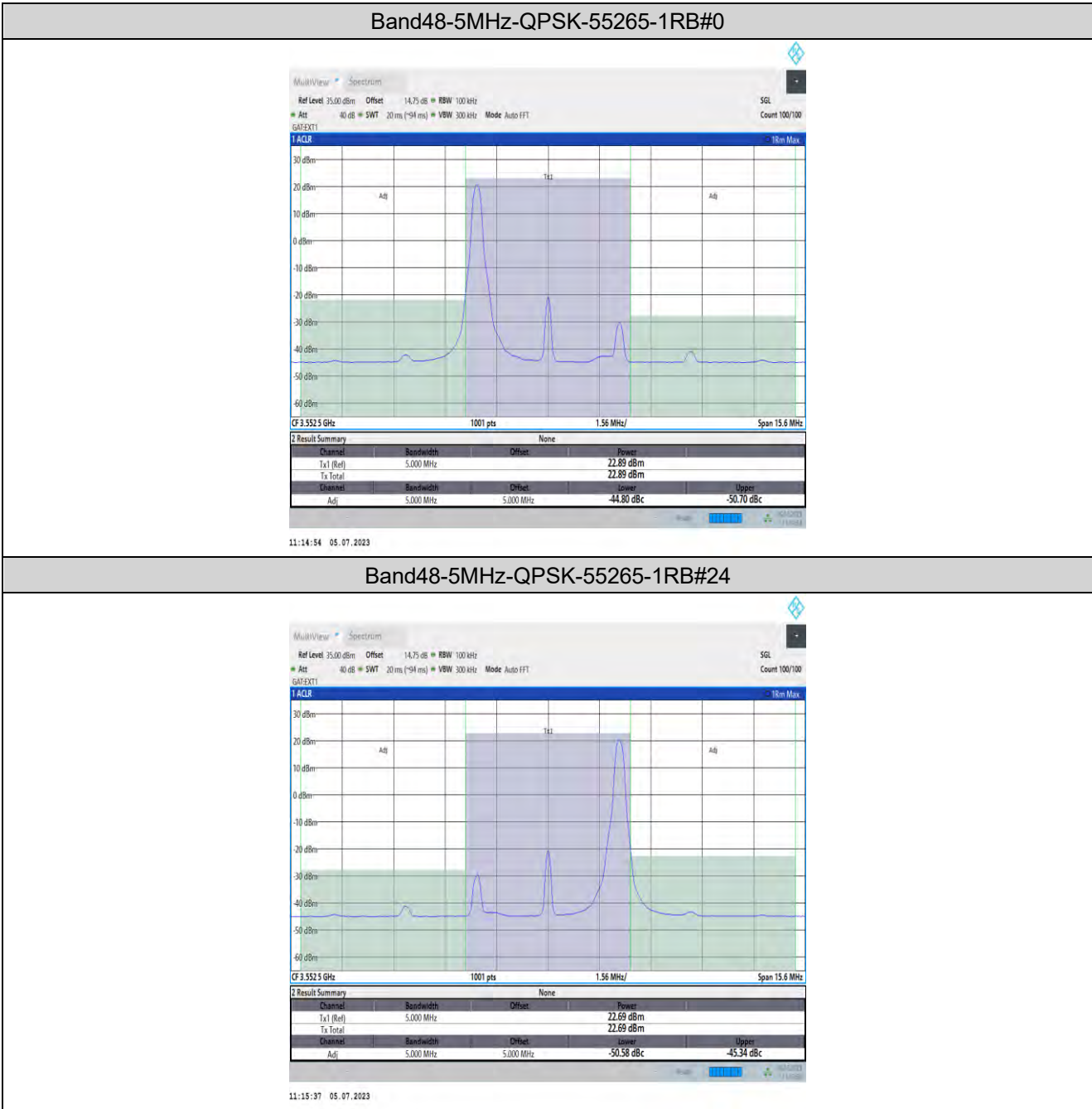


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### ACLR

### Test Graphs

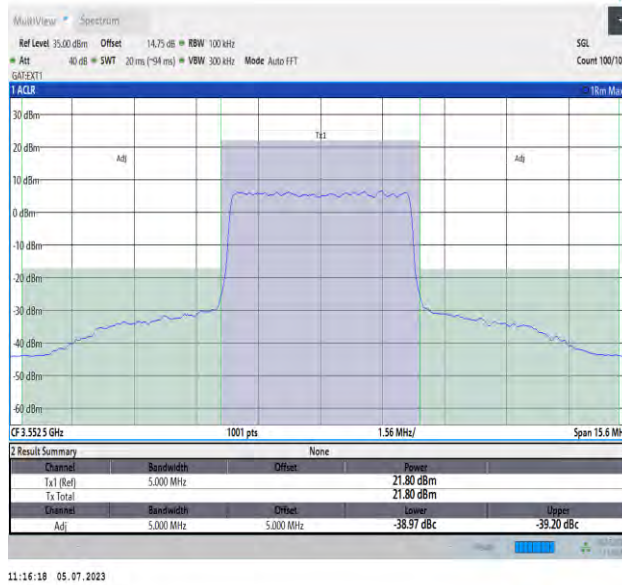


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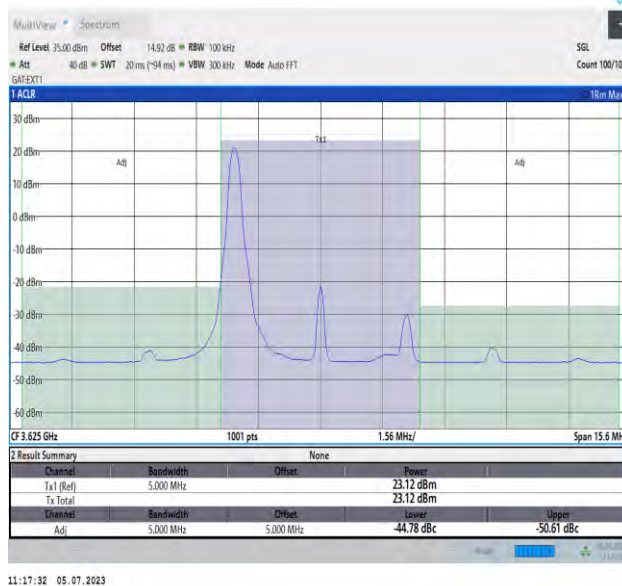
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### Band48-5MHz-QPSK-55265-25RB#0



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



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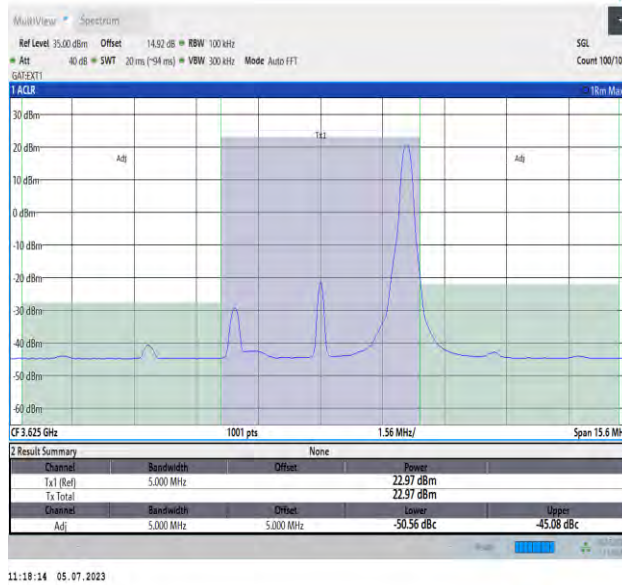
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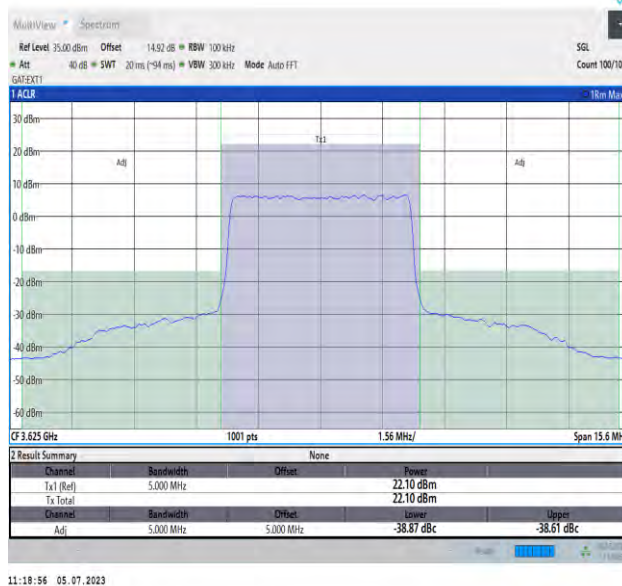
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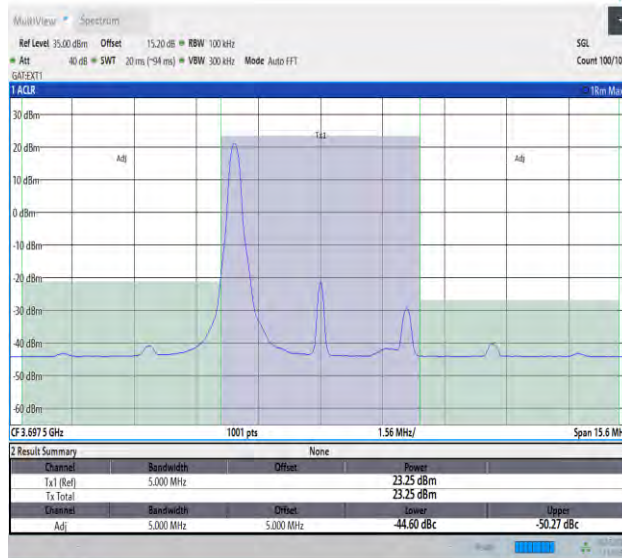
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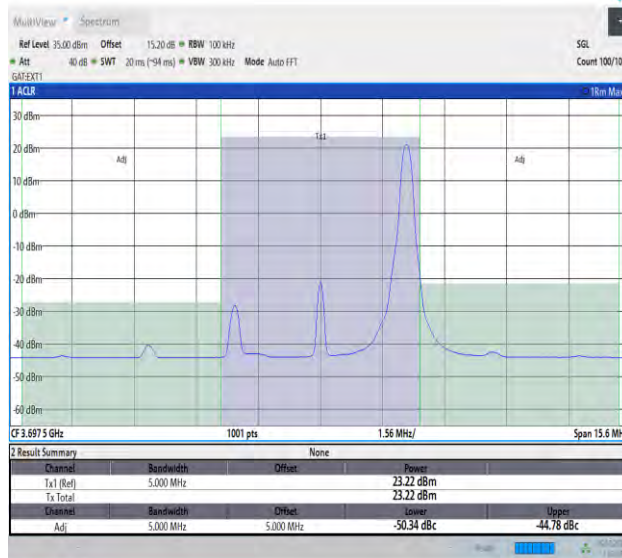


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11:19:38 05.07.2023

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



11:20:20 05.07.2023



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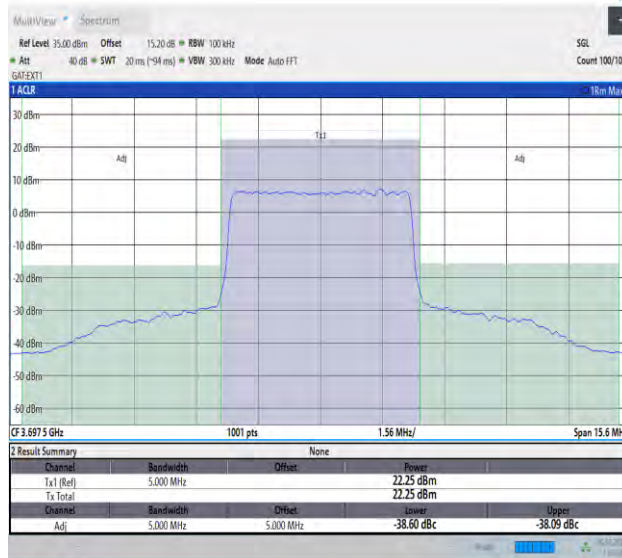
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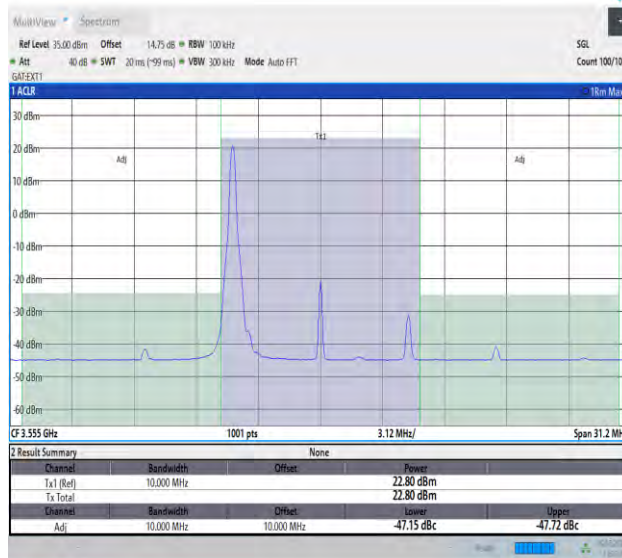
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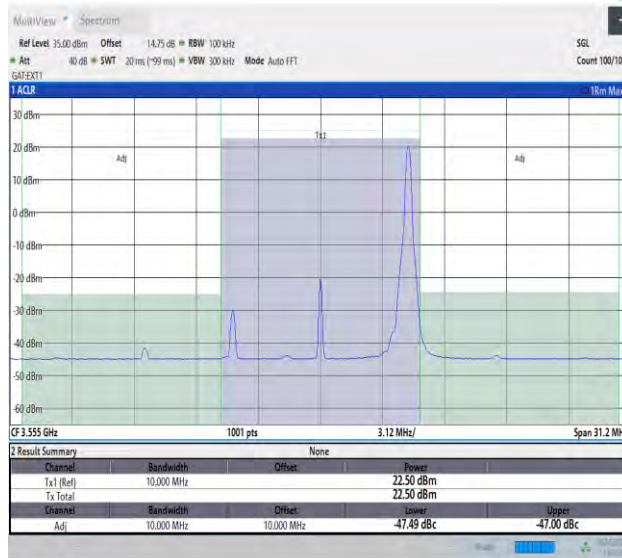
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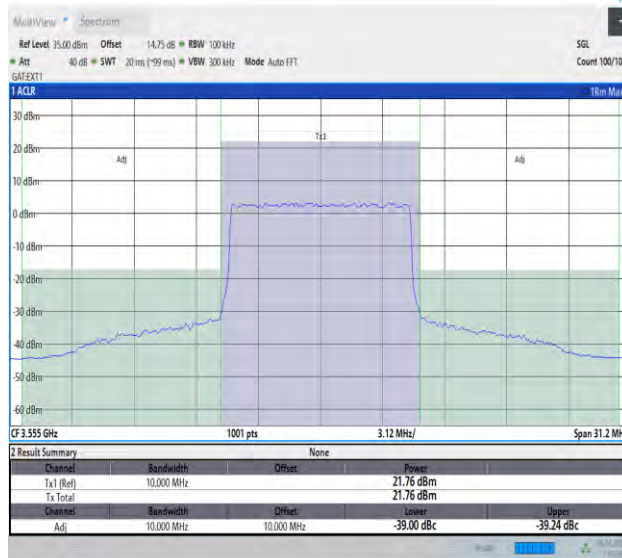


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11:22:57 05.07.2023

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



11:23:40 05.07.2023



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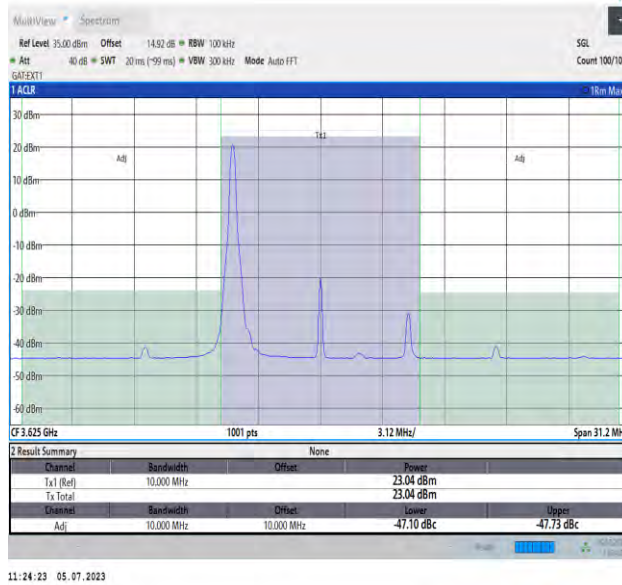
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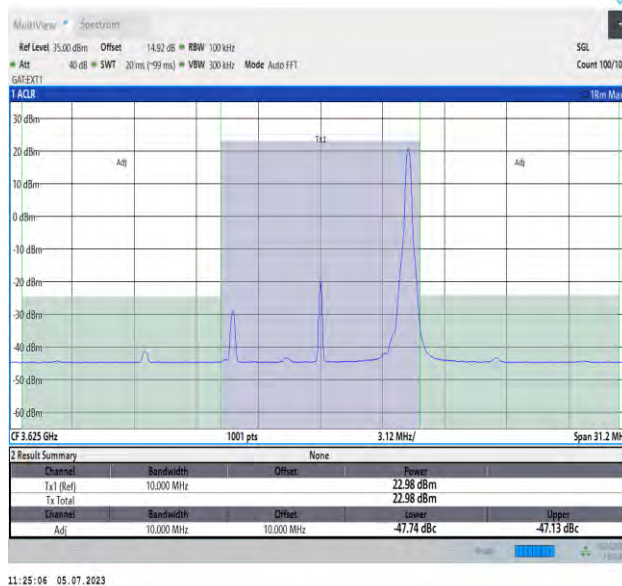
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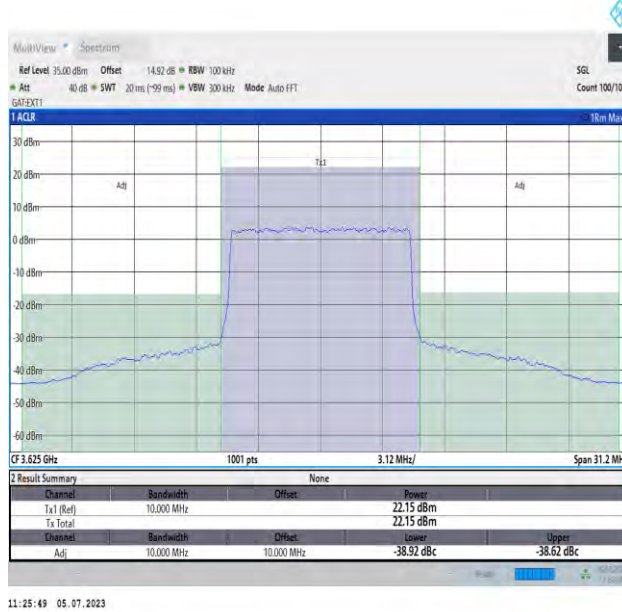
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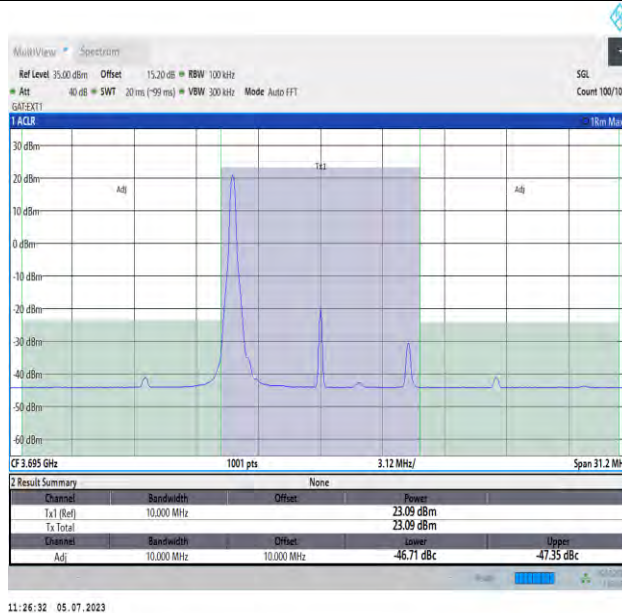
### Band48-10MHz-QPSK-55990-1RB#49



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



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

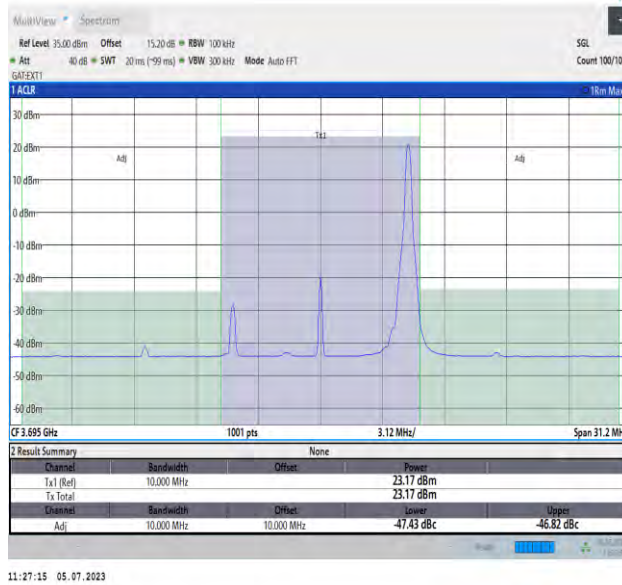


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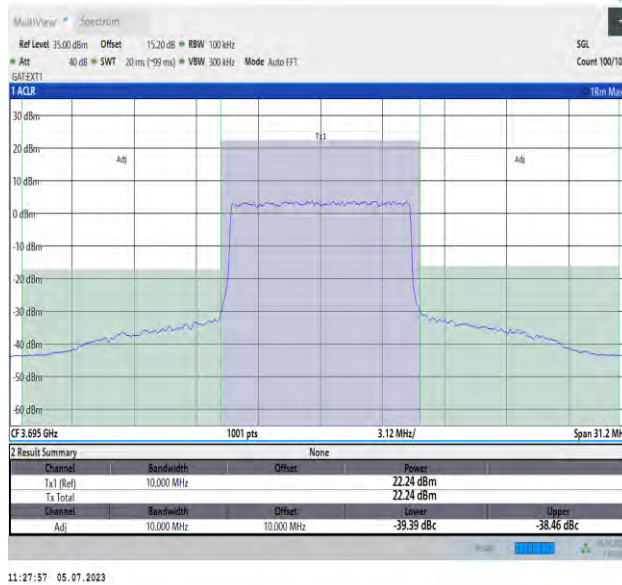
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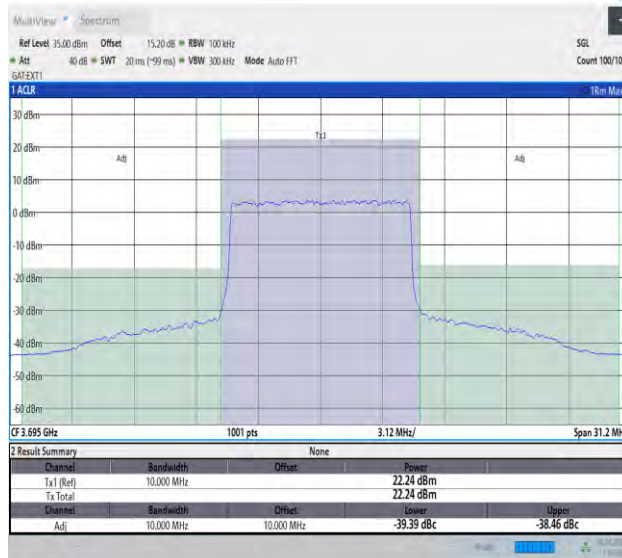
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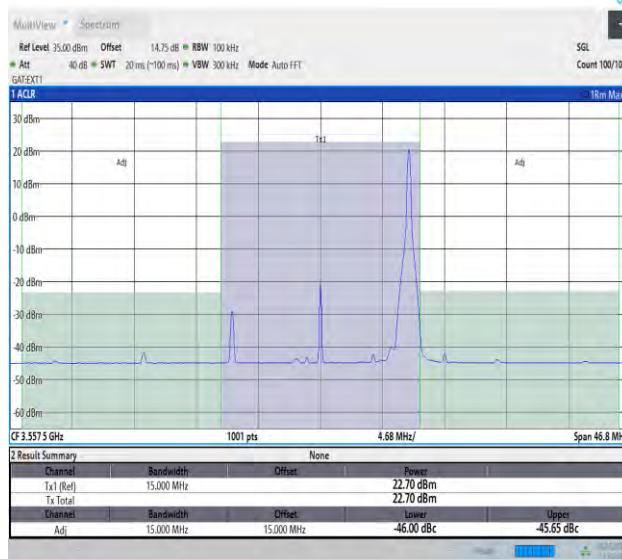


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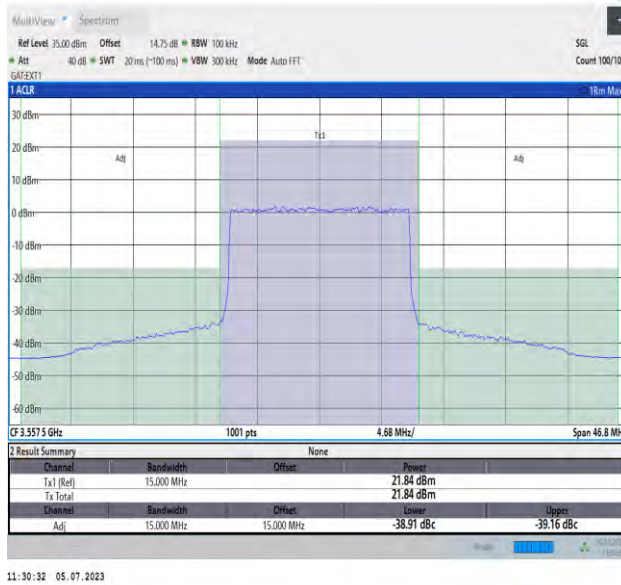
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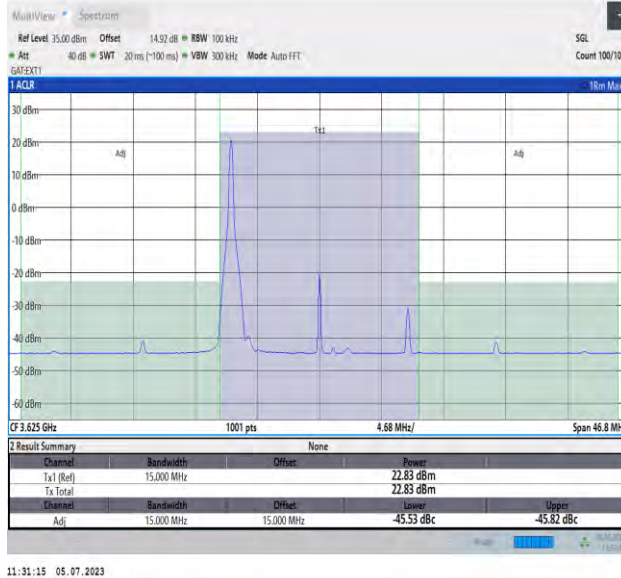
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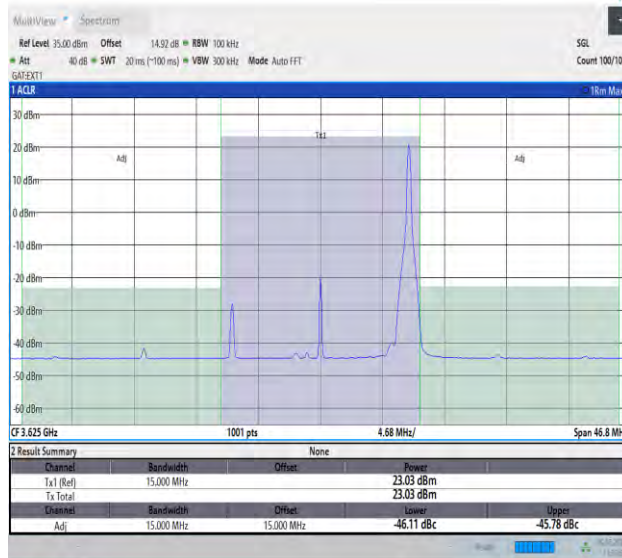


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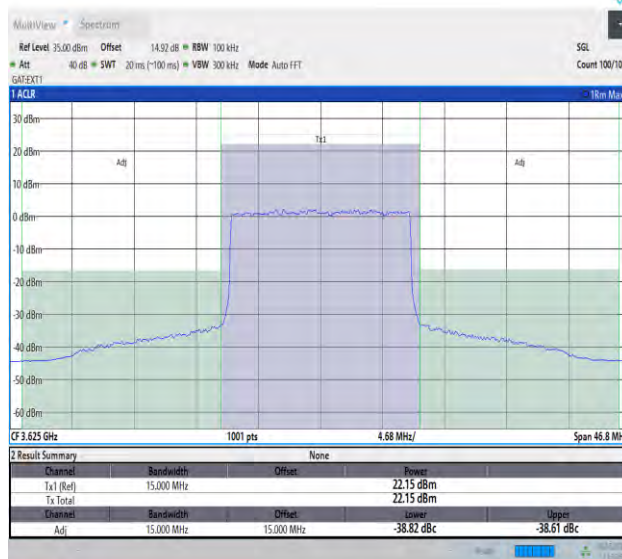
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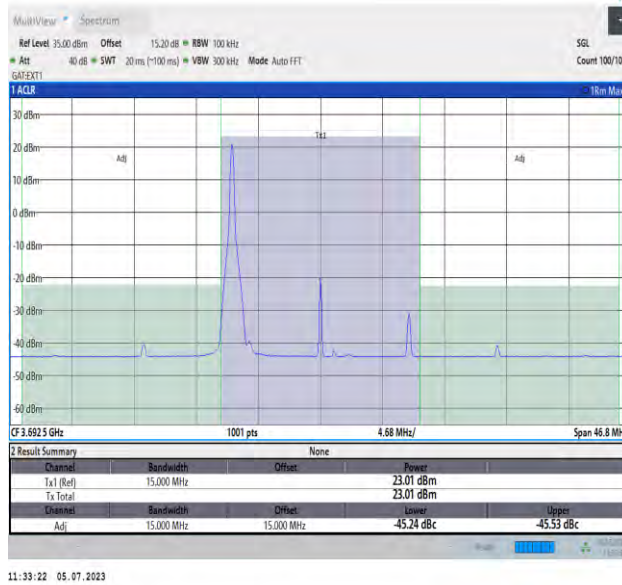
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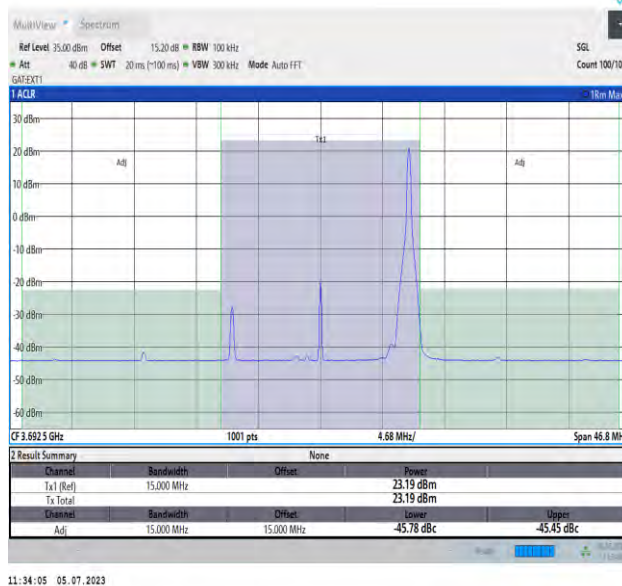
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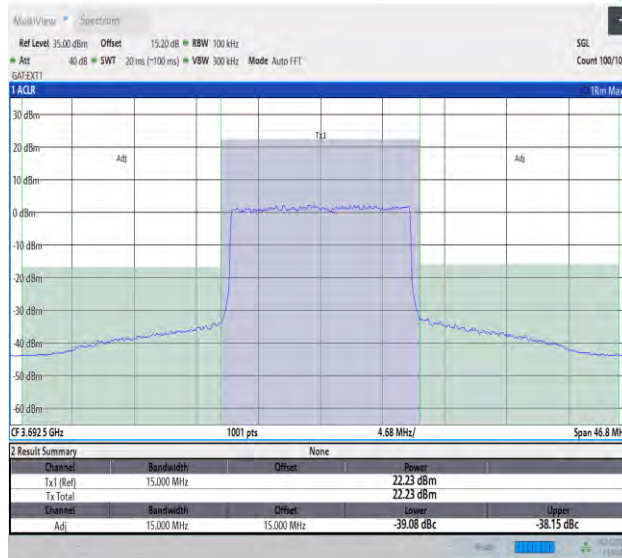
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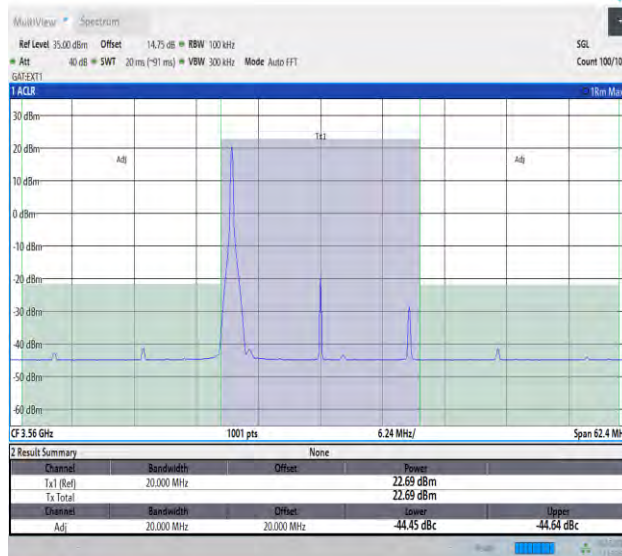


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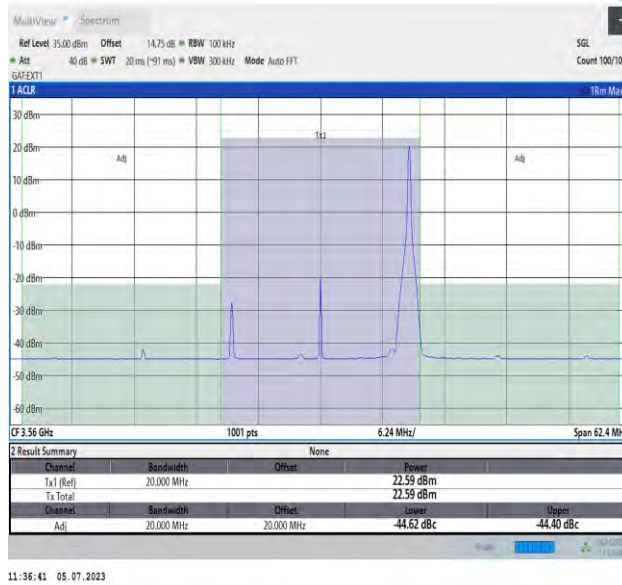


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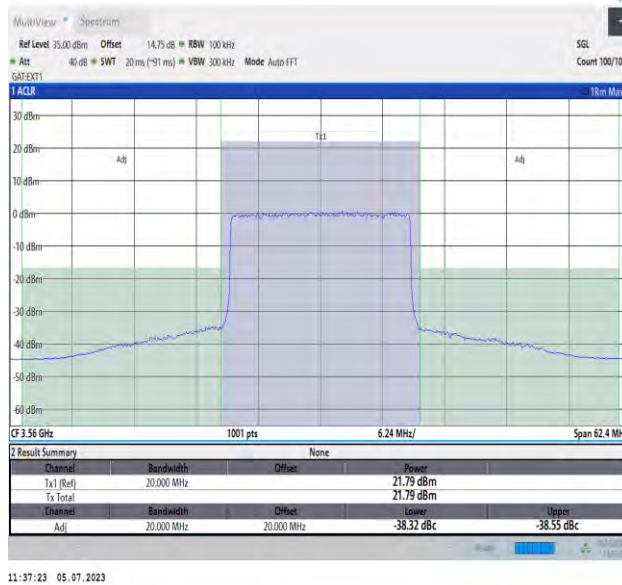




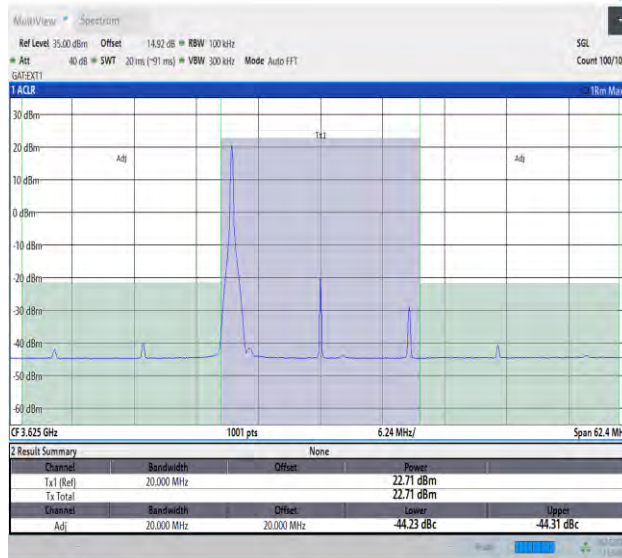
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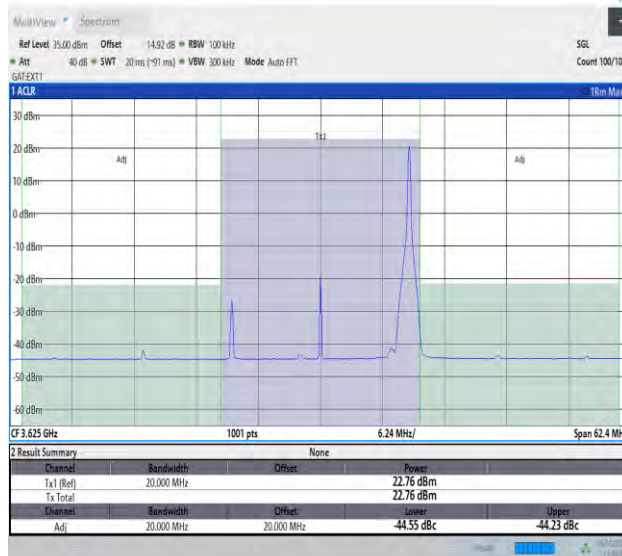


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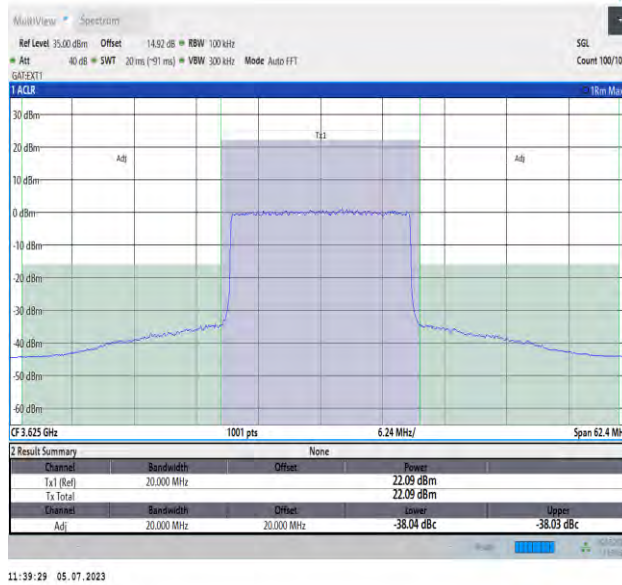
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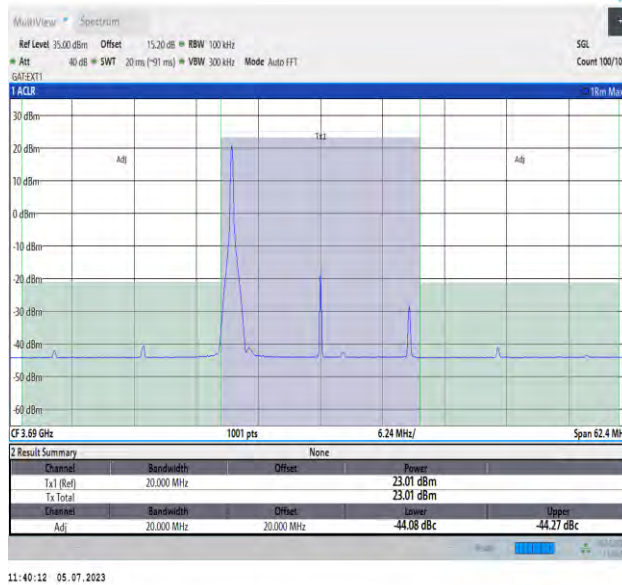
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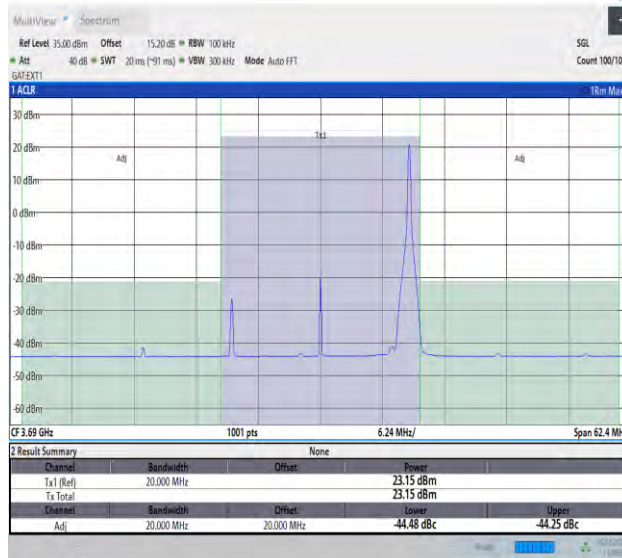


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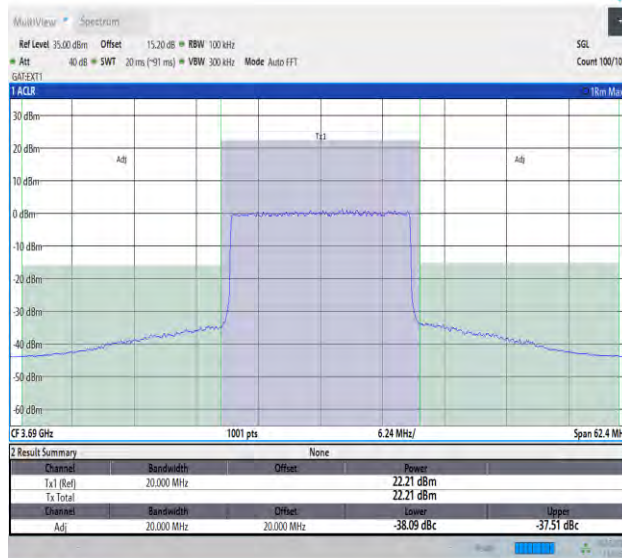
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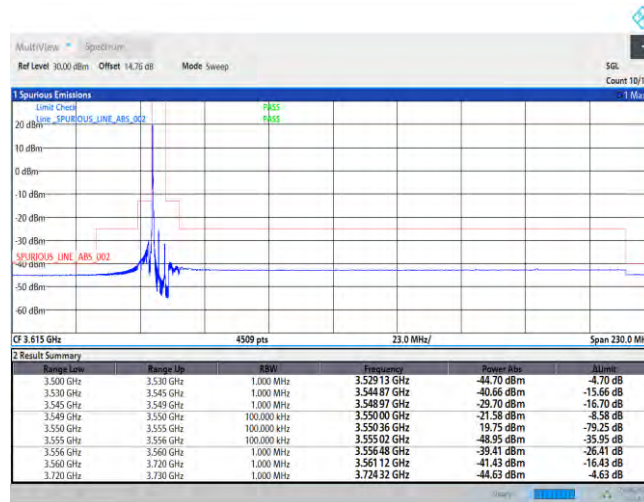
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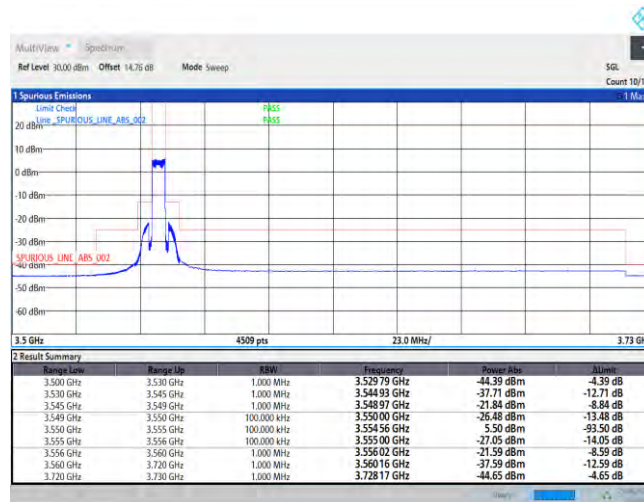
### Band Edge

### Test Graphs

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



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



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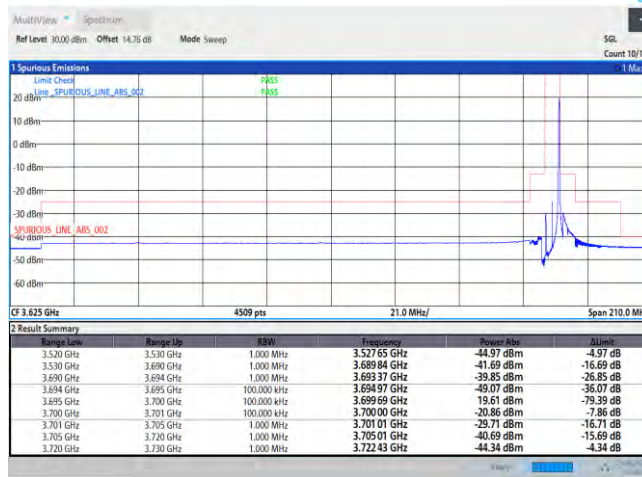
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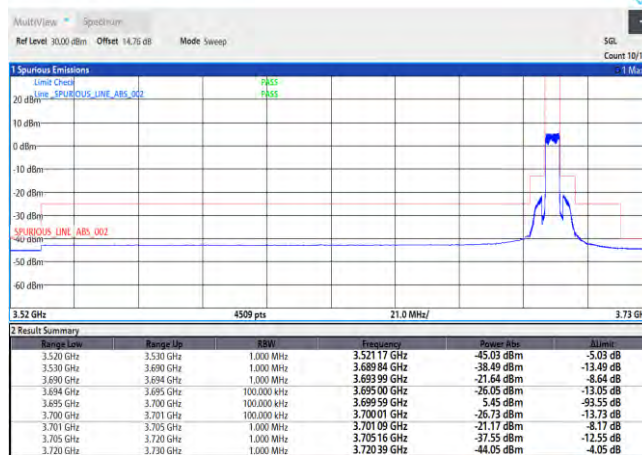
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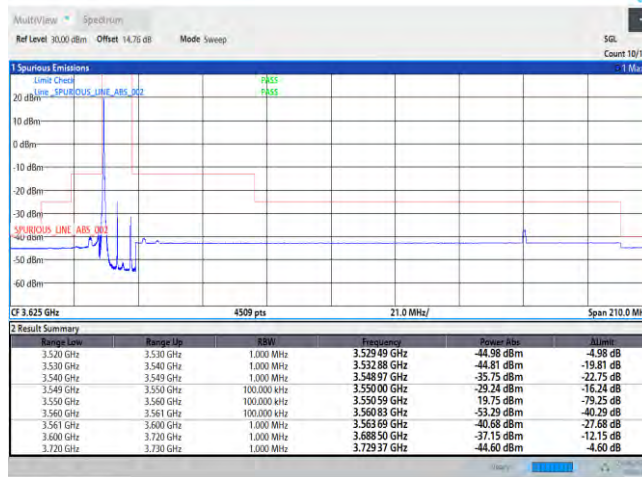


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14:01:33 29.06.2023



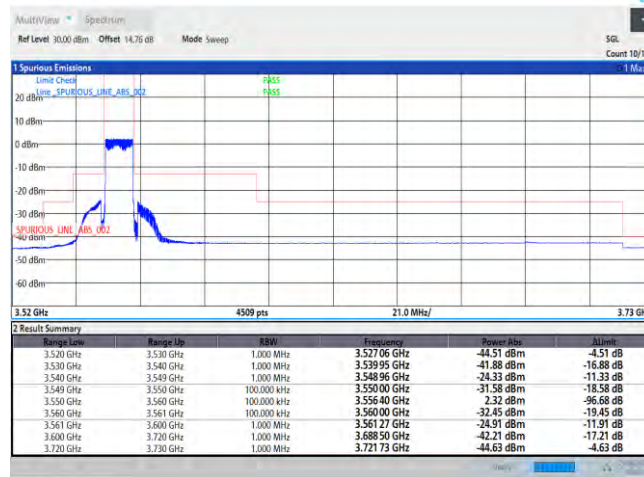
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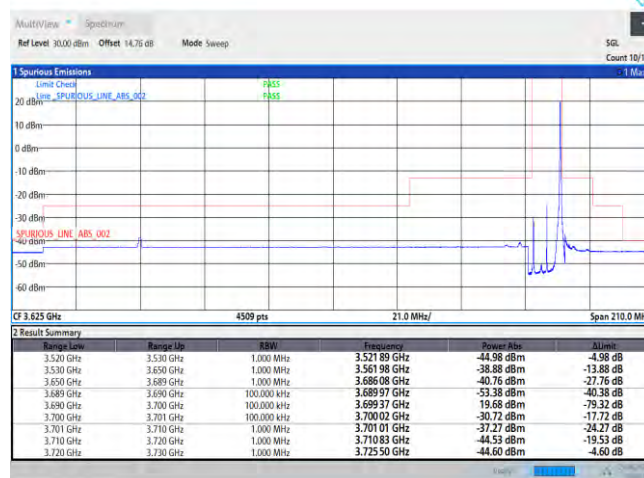
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### Band48-10MHz-QPSK-55290-50RB#0



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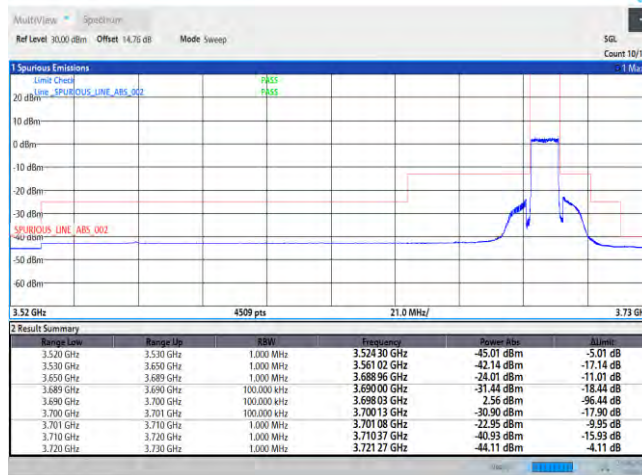


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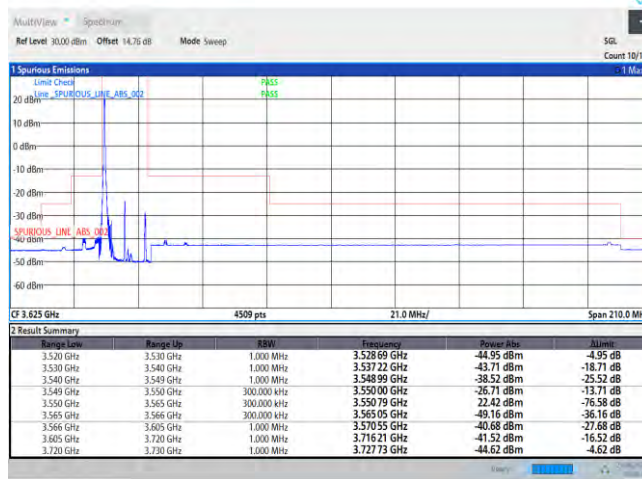
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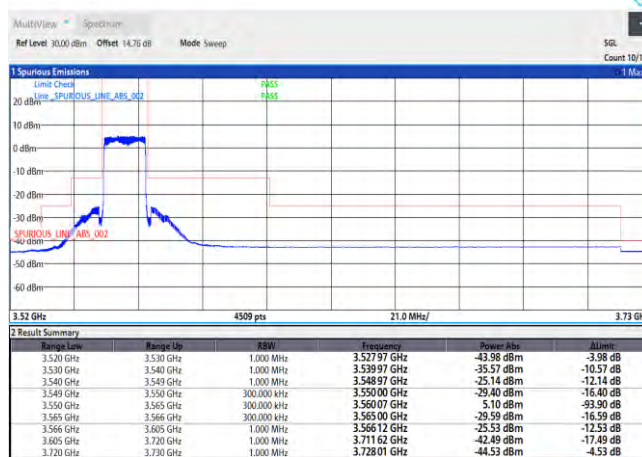
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### Band48-15MHz-QPSK-55315-1RB#0



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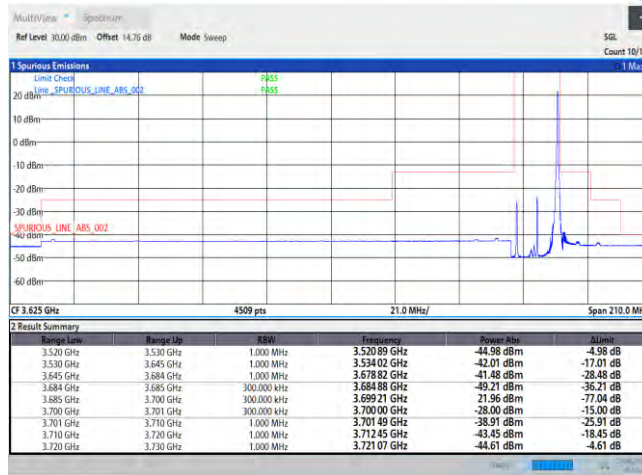
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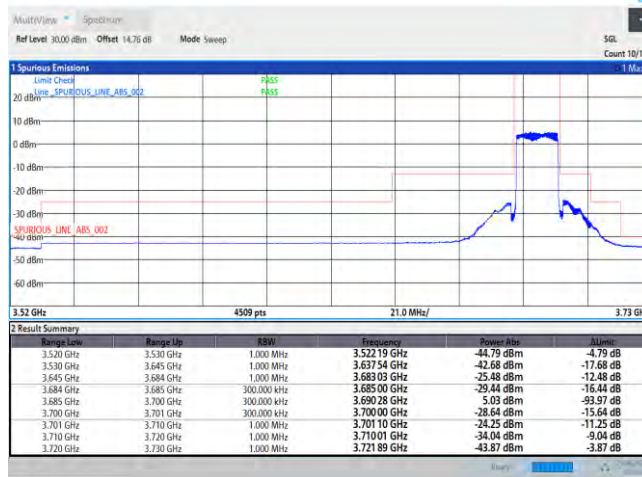
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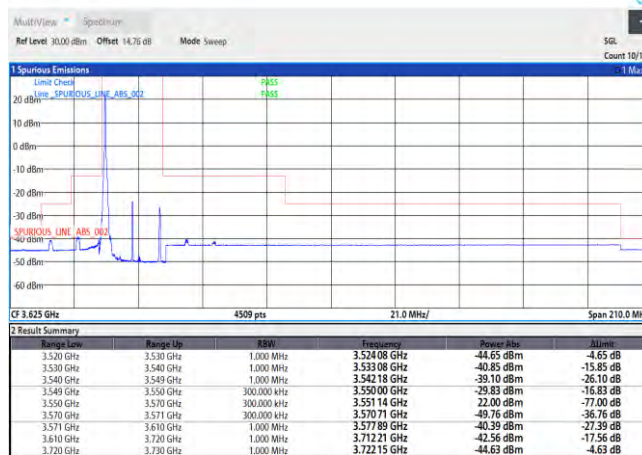
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### Band48-15MHz-QPSK-56665-75RB#0



14:14:00 29.06.2023

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



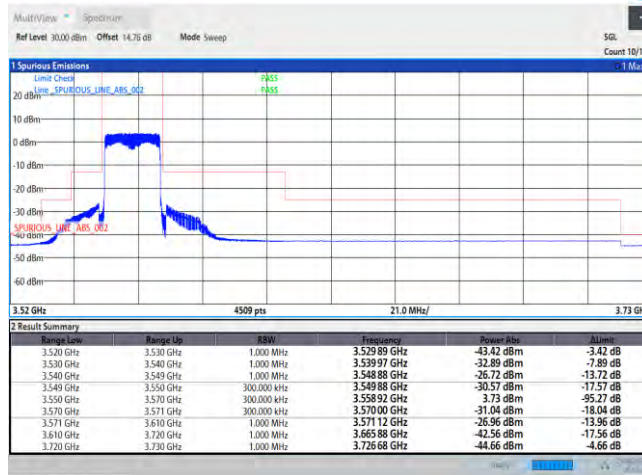
14:15:56 29.06.2023



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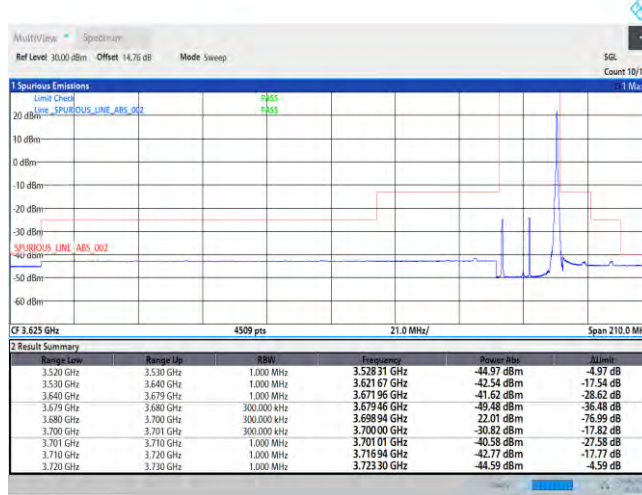
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14:17:33 29.06.2023

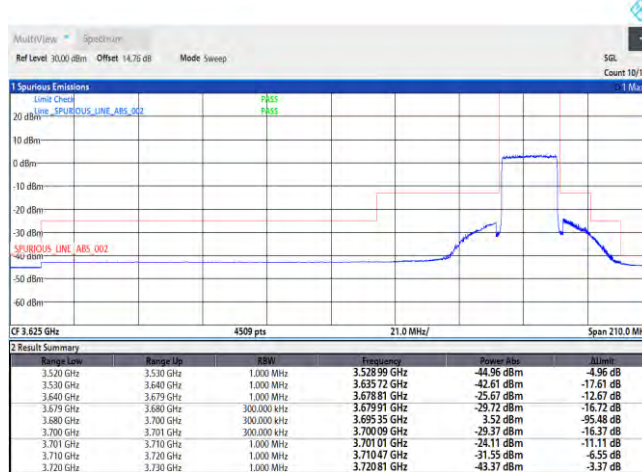


### Band48-20MHz-QPSK-56640-1RB#99



14:19:32 29.06.2023

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



17:58:07 06.07.2023

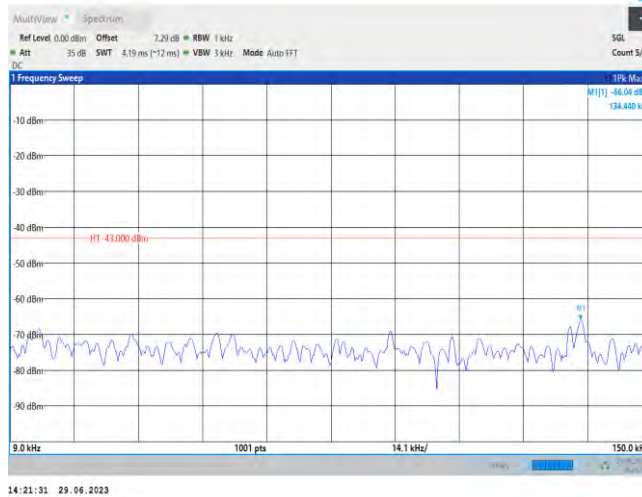


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## Conducted Spurious Emission

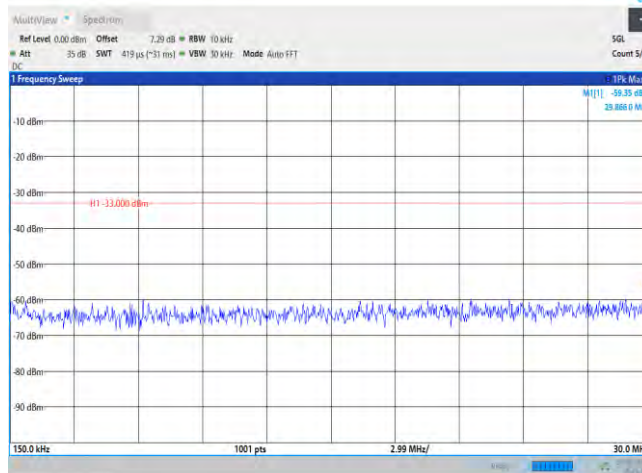
### Test Graphs

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



14:21:31 29.06.2023

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



14:21:38 29.06.2023



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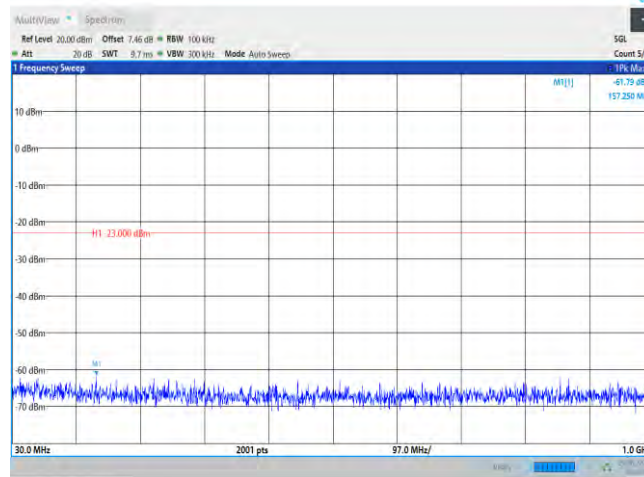
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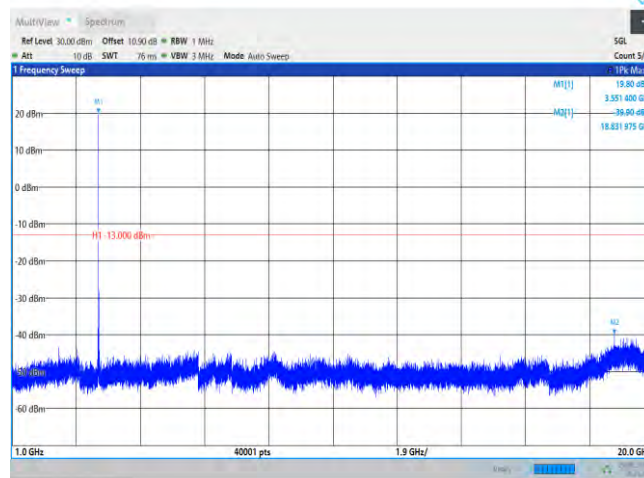
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### Band48-20MHz-QPSK-55340-1RB#0-Range3:30~1000MHz



14:21:45 29.06.2023

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



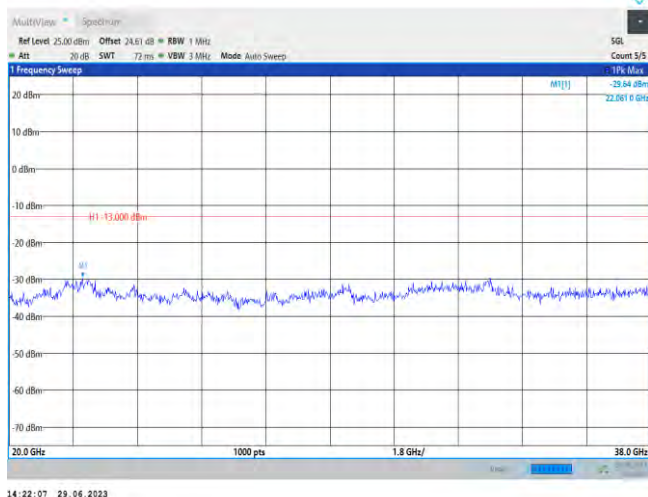
14:21:53 29.06.2023





Report No.: XEWM2306000327RG01  
 Rev.: 01  
 Page: 73 of 83

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



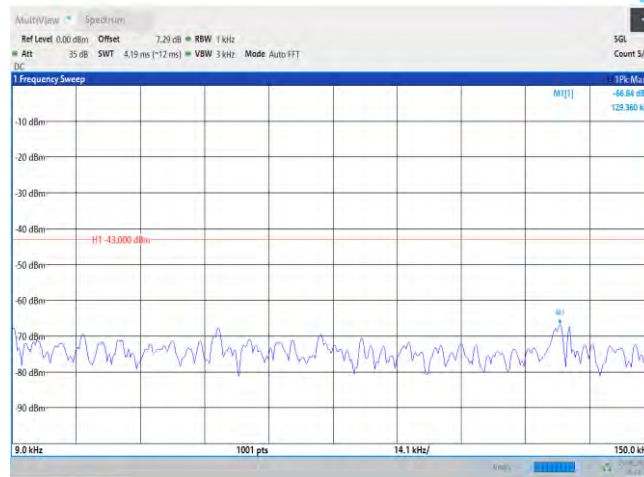
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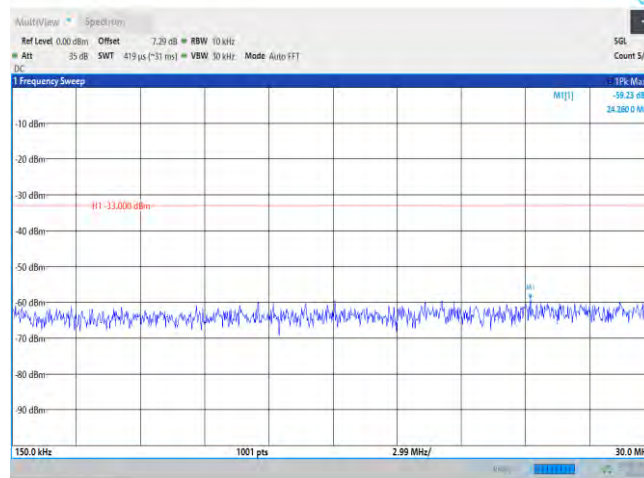
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### Band48-20MHz-QPSK-55990-1RB#0-Range1:0.009~0.15MHz



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



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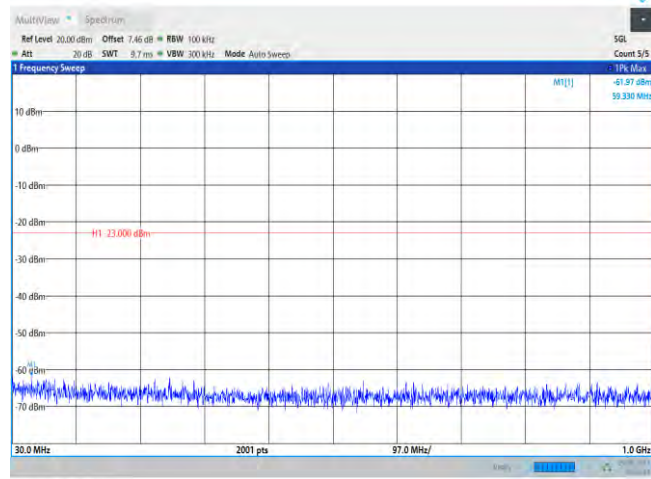
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Report No.: XEWM2306000327RG01

Rev.: 01

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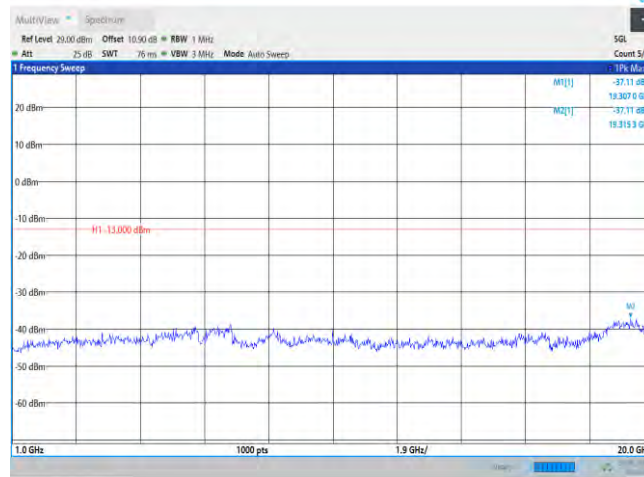
### Band48-20MHz-QPSK-55990-1RB#0-Range3:30~1000MHz



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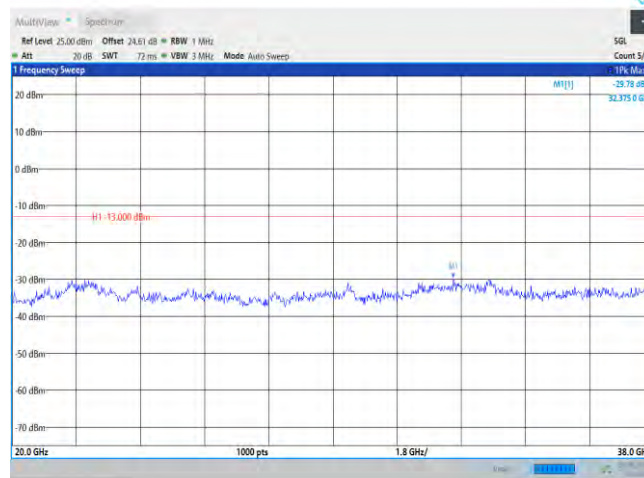
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### Band48-20MHz-QPSK-55990-1RB#0-Range4:1000~20000MHz



14:22:50 29.06.2023

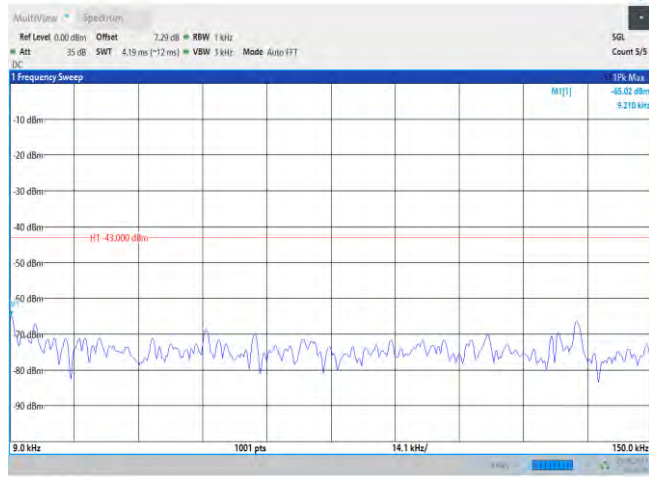
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14:22:57 29.06.2023



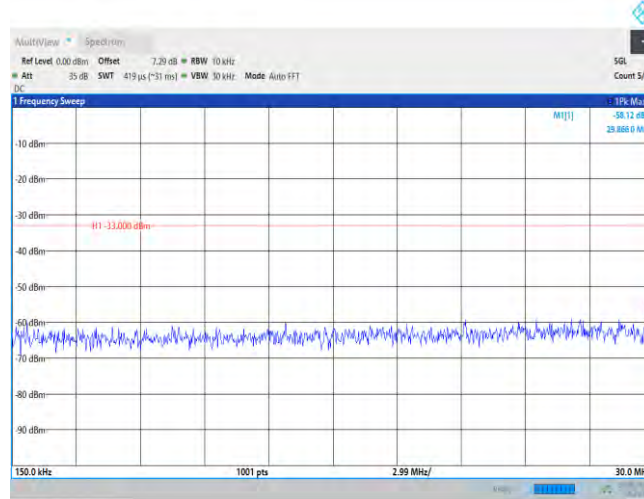
Band48-20MHz-QPSK-56640-1RB#0-Range1:0.009~0.15MHz



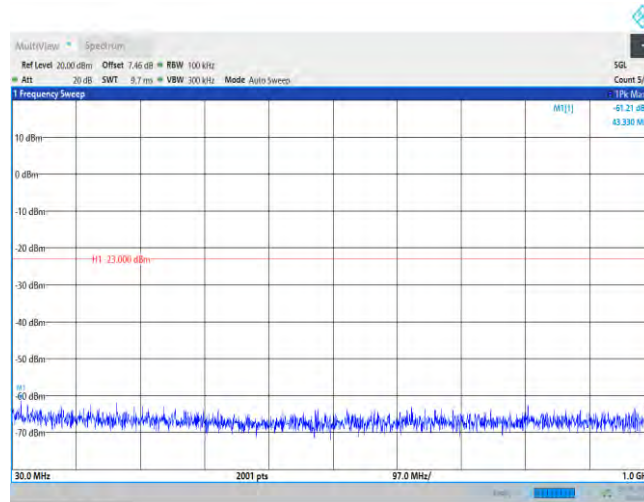
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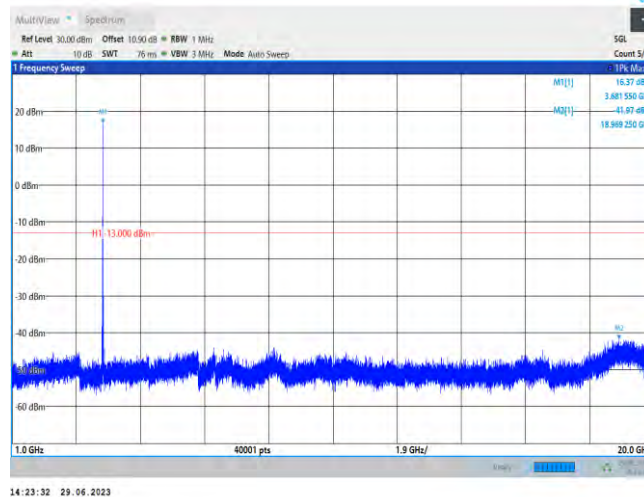
### Band48-20MHz-QPSK-56640-1RB#0-Range3:30~1000MHz



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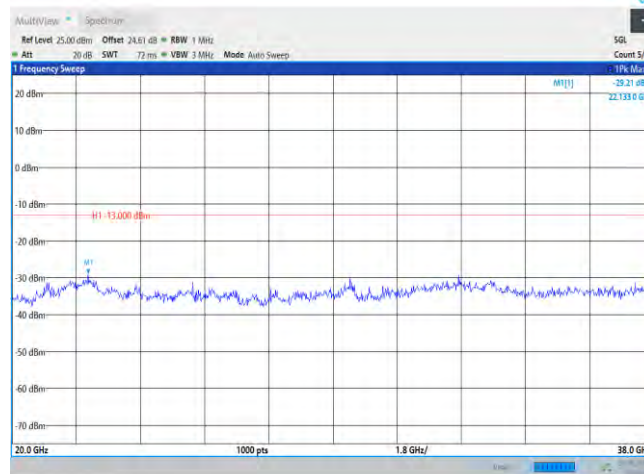
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### Band48-20MHz-QPSK-56640-1RB#0-Range4:1000~20000MHz



14:23:32 29.06.2023

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



14:23:47 29.06.2023



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## Field Strength of Spurious Radiation

Test Band = LTE\_48\_TM1\_20MHz

Test Channel = LCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	6323.4323	30.11	-16.17	33.69	-47.63	-40.00	7.63	245	143	Horizontal
2	7447.0724	45.17	-38.88	36.79	-52.18	-40.00	12.18	229	23	Horizontal
3	8927.1964	43.90	-36.56	36.81	-51.11	-40.00	11.11	325	38	Horizontal
4	10708.6354	44.26	-36.48	39.51	-47.97	-40.00	7.97	214	266	Horizontal
5	13289.3645	43.30	-37.43	39.86	-49.53	-40.00	9.53	118	49	Horizontal
6	17419.221	41.53	-38.86	44.56	-48.03	-40.00	8.03	231	330	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	3826.1826	31.56	-20.63	29.75	-54.58	-40.00	14.58	336	208	Vertical
2	6493.9494	30.00	-16.25	34.24	-47.27	-40.00	7.27	332	306	Vertical
3	7102.0551	46.96	-39.57	35.92	-51.95	-40.00	11.95	254	211	Vertical
4	9201.4851	43.79	-36.87	37.50	-50.84	-40.00	10.84	178	174	Vertical
5	10789.1395	43.91	-36.37	39.59	-48.13	-40.00	8.13	220	115	Vertical
6	16396.2448	42.37	-34.12	38.79	-48.22	-40.00	8.22	189	200	Vertical



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**Test Band = LTE\_48\_TM1\_20MHz**  
**Test Channel = MCH**

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	6312.9813	30.27	-16.12	33.60	-47.51	-40.00	7.51	355	75	Horizontal
2	7373.4687	45.54	-39.02	36.59	-52.15	-40.00	12.15	325	319	Horizontal
3	10710.3605	44.22	-36.48	39.51	-48.01	-40.00	8.01	217	308	Horizontal
4	11842.0171	44.51	-38.13	39.84	-49.04	-40.00	9.04	175	292	Horizontal
5	15668.8334	42.50	-33.87	38.50	-48.13	-40.00	8.13	229	128	Horizontal
6	17405.4203	41.56	-38.78	44.52	-47.96	-40.00	7.96	109	340	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	3891.0891	33.82	-20.20	29.70	-51.94	-40.00	11.94	255	144	Vertical
2	6190.319	30.51	-16.33	33.46	-47.62	-40.00	7.62	332	204	Vertical
3	9202.6351	43.36	-36.87	37.50	-51.27	-40.00	11.27	148	33	Vertical
4	10713.2357	44.09	-36.47	39.51	-48.13	-40.00	8.13	229	22	Vertical
5	14220.336	44.06	-39.43	41.84	-48.79	-40.00	8.79	322	223	Vertical
6	17419.796	41.40	-38.86	44.56	-48.16	-40.00	8.16	120	22	Vertical



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**Test Band = LTE\_48\_TM1\_20MHz**  
**Test Channel = HCH**

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	3405.9406	31.68	-21.64	28.64	-56.58	-40.00	16.58	224	251	Horizontal
2	6335.5336	30.48	-16.24	33.78	-47.24	-40.00	7.24	145	268	Horizontal
3	7831.7666	44.64	-38.18	36.73	-52.07	-40.00	12.07	229	258	Horizontal
4	10291.7396	43.98	-36.19	39.07	-48.40	-40.00	8.40	325	274	Horizontal
5	12169.7835	44.42	-38.02	39.57	-49.29	-40.00	9.29	210	336	Horizontal
6	17407.7204	41.60	-38.79	44.52	-47.93	-40.00	7.93	144	61	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3405.9406	36.94	-21.64	28.64	-51.32	-40.00	11.32	334	68	Vertical
2	6134.2134	30.79	-16.34	33.33	-47.48	-40.00	7.48	178	48	Vertical
3	7361.9681	47.07	-39.06	36.55	-50.70	-40.00	10.70	226	71	Vertical
4	10782.8141	43.99	-36.37	39.58	-48.06	-40.00	8.06	332	103	Vertical
5	14703.3602	43.04	-38.61	41.89	-48.94	-40.00	8.94	201	71	Vertical
6	17399.67	41.45	-38.75	44.50	-48.06	-40.00	8.06	178	18	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 (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band48	20MHz	QPSK	55990	100RB#0	VL	NT	3.00	0.000828	PASS
Band48	20MHz	QPSK	55990	100RB#0	VN	NT	-2.90	-0.000800	PASS
Band48	20MHz	QPSK	55990	100RB#0	VH	NT	-3.00	-0.000828	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	NT	1.80	0.000497	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band48	20MHz	QPSK	55990	100RB#0	NV	-30	-0.30	-0.000083	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	-20	-4.00	-0.001103	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	-10	1.80	0.000497	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	0	2.20	0.000607	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	10	3.80	0.001048	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	20	1.50	0.000414	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	30	2.10	0.000579	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	40	-1.80	-0.000497	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	50	3.40	0.000938	PASS

---End of Attachment---



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