



# Appendix B

## E-UTRA Band 48



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# 1 Effective (Isotropic) Radiated Power

## 1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Verdict
Band48	5MHz	QPSK	55265	1RB#0	21.46	21.33	PASS
Band48	5MHz	QPSK	55265	1RB#12	21.57	21.44	PASS
Band48	5MHz	QPSK	55265	1RB#24	21.45	21.32	PASS
Band48	5MHz	QPSK	55265	12RB#6	20.49	20.36	PASS
Band48	5MHz	QPSK	55265	12RB#0	20.64	20.51	PASS
Band48	5MHz	QPSK	55265	12RB#13	20.61	20.48	PASS
Band48	5MHz	QPSK	55265	25RB#0	20.55	20.42	PASS
Band48	5MHz	QPSK	55990	1RB#24	21.82	21.69	PASS
Band48	5MHz	QPSK	55990	1RB#0	22.03	21.90	PASS
Band48	5MHz	QPSK	55990	1RB#12	21.85	21.72	PASS
Band48	5MHz	QPSK	55990	12RB#0	21.00	20.87	PASS
Band48	5MHz	QPSK	55990	12RB#6	20.93	20.80	PASS
Band48	5MHz	QPSK	55990	12RB#13	21.03	20.90	PASS
Band48	5MHz	QPSK	55990	25RB#0	20.95	20.82	PASS
Band48	5MHz	QPSK	56715	1RB#12	21.40	21.27	PASS
Band48	5MHz	QPSK	56715	1RB#0	21.63	21.50	PASS
Band48	5MHz	QPSK	56715	1RB#24	21.46	21.33	PASS
Band48	5MHz	QPSK	56715	12RB#13	20.58	20.45	PASS
Band48	5MHz	QPSK	56715	12RB#6	20.75	20.62	PASS
Band48	5MHz	QPSK	56715	12RB#0	20.64	20.51	PASS
Band48	5MHz	QPSK	56715	25RB#0	20.49	20.36	PASS
Band48	5MHz	16QAM	55265	1RB#0	20.74	20.61	PASS
Band48	5MHz	16QAM	55265	1RB#24	20.99	20.86	PASS
Band48	5MHz	16QAM	55265	1RB#12	20.67	20.54	PASS
Band48	5MHz	16QAM	55265	12RB#0	19.57	19.44	PASS
Band48	5MHz	16QAM	55265	12RB#6	19.48	19.35	PASS
Band48	5MHz	16QAM	55265	12RB#13	19.48	19.35	PASS
Band48	5MHz	16QAM	55265	25RB#0	19.52	19.39	PASS



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Band48	5MHz	16QAM	55990	1RB#0	21.06	20.93	PASS
Band48	5MHz	16QAM	55990	1RB#12	21.25	21.12	PASS
Band48	5MHz	16QAM	55990	1RB#24	21.21	21.08	PASS
Band48	5MHz	16QAM	55990	12RB#13	20.07	19.94	PASS
Band48	5MHz	16QAM	55990	12RB#6	20.04	19.91	PASS
Band48	5MHz	16QAM	55990	12RB#0	20.03	19.90	PASS
Band48	5MHz	16QAM	55990	25RB#0	19.85	19.72	PASS
Band48	5MHz	16QAM	56715	1RB#0	20.76	20.63	PASS
Band48	5MHz	16QAM	56715	1RB#12	20.81	20.68	PASS
Band48	5MHz	16QAM	56715	1RB#24	20.80	20.67	PASS
Band48	5MHz	16QAM	56715	12RB#0	19.60	19.47	PASS
Band48	5MHz	16QAM	56715	12RB#6	19.44	19.31	PASS
Band48	5MHz	16QAM	56715	12RB#13	19.73	19.60	PASS
Band48	5MHz	16QAM	56715	25RB#0	19.63	19.50	PASS
Band48	5MHz	64QAM	55265	1RB#0	19.47	19.34	PASS
Band48	5MHz	64QAM	55265	1RB#24	19.59	19.46	PASS
Band48	5MHz	64QAM	55265	1RB#12	19.42	19.29	PASS
Band48	5MHz	64QAM	55265	12RB#13	18.51	18.38	PASS
Band48	5MHz	64QAM	55265	12RB#6	18.60	18.47	PASS
Band48	5MHz	64QAM	55265	12RB#0	18.52	18.39	PASS
Band48	5MHz	64QAM	55265	25RB#0	18.61	18.48	PASS
Band48	5MHz	64QAM	55990	1RB#0	19.88	19.75	PASS
Band48	5MHz	64QAM	55990	1RB#12	19.93	19.80	PASS
Band48	5MHz	64QAM	55990	1RB#24	19.78	19.65	PASS
Band48	5MHz	64QAM	55990	12RB#0	19.04	18.91	PASS
Band48	5MHz	64QAM	55990	12RB#6	18.99	18.86	PASS
Band48	5MHz	64QAM	55990	12RB#13	18.94	18.81	PASS
Band48	5MHz	64QAM	55990	25RB#0	18.86	18.73	PASS
Band48	5MHz	64QAM	56715	1RB#0	19.41	19.28	PASS
Band48	5MHz	64QAM	56715	1RB#24	19.46	19.33	PASS
Band48	5MHz	64QAM	56715	1RB#12	19.50	19.37	PASS
Band48	5MHz	64QAM	56715	12RB#0	18.61	18.48	PASS
Band48	5MHz	64QAM	56715	12RB#6	18.68	18.55	PASS



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Band48	5MHz	64QAM	56715	12RB#13	18.67	18.54	PASS
Band48	5MHz	64QAM	56715	25RB#0	18.49	18.36	PASS
Band48	5MHz	256QAM	55265	1RB#0	17.45	17.32	PASS
Band48	5MHz	256QAM	55265	1RB#24	17.46	17.33	PASS
Band48	5MHz	256QAM	55265	1RB#12	17.62	17.49	PASS
Band48	5MHz	256QAM	55265	12RB#13	16.47	16.34	PASS
Band48	5MHz	256QAM	55265	12RB#6	16.39	16.26	PASS
Band48	5MHz	256QAM	55265	12RB#0	16.51	16.38	PASS
Band48	5MHz	256QAM	55265	25RB#0	16.39	16.26	PASS
Band48	5MHz	256QAM	55990	1RB#0	17.82	17.69	PASS
Band48	5MHz	256QAM	55990	1RB#12	17.89	17.76	PASS
Band48	5MHz	256QAM	55990	1RB#24	17.84	17.71	PASS
Band48	5MHz	256QAM	55990	12RB#0	16.89	16.76	PASS
Band48	5MHz	256QAM	55990	12RB#6	16.82	16.69	PASS
Band48	5MHz	256QAM	55990	12RB#13	16.93	16.80	PASS
Band48	5MHz	256QAM	55990	25RB#0	16.98	16.85	PASS
Band48	5MHz	256QAM	56715	1RB#0	17.53	17.40	PASS
Band48	5MHz	256QAM	56715	1RB#24	17.48	17.35	PASS
Band48	5MHz	256QAM	56715	1RB#12	17.57	17.44	PASS
Band48	5MHz	256QAM	56715	12RB#0	16.35	16.22	PASS
Band48	5MHz	256QAM	56715	12RB#6	16.44	16.31	PASS
Band48	5MHz	256QAM	56715	12RB#13	16.39	16.26	PASS
Band48	5MHz	256QAM	56715	25RB#0	16.31	16.18	PASS
Band48	10MHz	QPSK	55290	1RB#49	21.39	21.26	PASS
Band48	10MHz	QPSK	55290	1RB#24	21.61	21.48	PASS
Band48	10MHz	QPSK	55290	1RB#0	21.46	21.33	PASS
Band48	10MHz	QPSK	55290	25RB#12	20.55	20.42	PASS
Band48	10MHz	QPSK	55290	25RB#0	20.58	20.45	PASS
Band48	10MHz	QPSK	55290	25RB#25	20.53	20.40	PASS
Band48	10MHz	QPSK	55290	50RB#0	20.65	20.52	PASS
Band48	10MHz	QPSK	55990	1RB#24	21.74	21.61	PASS
Band48	10MHz	QPSK	55990	1RB#49	21.95	21.82	PASS
Band48	10MHz	QPSK	55990	1RB#0	21.89	21.76	PASS



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Band48	10MHz	QPSK	55990	25RB#25	20.96	20.83	PASS
Band48	10MHz	QPSK	55990	25RB#0	20.87	20.74	PASS
Band48	10MHz	QPSK	55990	25RB#12	20.94	20.81	PASS
Band48	10MHz	QPSK	55990	50RB#0	20.95	20.82	PASS
Band48	10MHz	QPSK	56690	1RB#49	21.33	21.20	PASS
Band48	10MHz	QPSK	56690	1RB#24	21.51	21.38	PASS
Band48	10MHz	QPSK	56690	1RB#0	21.44	21.31	PASS
Band48	10MHz	QPSK	56690	25RB#25	20.50	20.37	PASS
Band48	10MHz	QPSK	56690	25RB#0	20.57	20.44	PASS
Band48	10MHz	QPSK	56690	25RB#12	20.57	20.44	PASS
Band48	10MHz	QPSK	56690	50RB#0	20.42	20.29	PASS
Band48	10MHz	16QAM	55290	1RB#24	20.68	20.55	PASS
Band48	10MHz	16QAM	55290	1RB#49	20.95	20.82	PASS
Band48	10MHz	16QAM	55290	1RB#0	20.86	20.73	PASS
Band48	10MHz	16QAM	55290	25RB#0	19.57	19.44	PASS
Band48	10MHz	16QAM	55290	25RB#12	19.50	19.37	PASS
Band48	10MHz	16QAM	55290	25RB#25	19.60	19.47	PASS
Band48	10MHz	16QAM	55290	50RB#0	19.57	19.44	PASS
Band48	10MHz	16QAM	55990	1RB#49	21.19	21.06	PASS
Band48	10MHz	16QAM	55990	1RB#0	21.40	21.27	PASS
Band48	10MHz	16QAM	55990	1RB#24	21.17	21.04	PASS
Band48	10MHz	16QAM	55990	25RB#0	19.98	19.85	PASS
Band48	10MHz	16QAM	55990	25RB#12	19.92	19.79	PASS
Band48	10MHz	16QAM	55990	25RB#25	20.05	19.92	PASS
Band48	10MHz	16QAM	55990	50RB#0	19.97	19.84	PASS
Band48	10MHz	16QAM	56690	1RB#0	20.76	20.63	PASS
Band48	10MHz	16QAM	56690	1RB#49	20.98	20.85	PASS
Band48	10MHz	16QAM	56690	1RB#24	20.78	20.65	PASS
Band48	10MHz	16QAM	56690	25RB#25	19.62	19.49	PASS
Band48	10MHz	16QAM	56690	25RB#0	19.52	19.39	PASS
Band48	10MHz	16QAM	56690	25RB#12	19.71	19.58	PASS
Band48	10MHz	16QAM	56690	50RB#0	19.61	19.48	PASS
Band48	10MHz	64QAM	55290	1RB#0	19.33	19.20	PASS



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Band48	10MHz	64QAM	55290	1RB#24	19.58	19.45	PASS
Band48	10MHz	64QAM	55290	1RB#49	19.40	19.27	PASS
Band48	10MHz	64QAM	55290	25RB#12	18.48	18.35	PASS
Band48	10MHz	64QAM	55290	25RB#0	18.49	18.36	PASS
Band48	10MHz	64QAM	55290	25RB#25	18.58	18.45	PASS
Band48	10MHz	64QAM	55290	50RB#0	18.55	18.42	PASS
Band48	10MHz	64QAM	55990	1RB#0	19.72	19.59	PASS
Band48	10MHz	64QAM	55990	1RB#49	19.91	19.78	PASS
Band48	10MHz	64QAM	55990	1RB#24	19.77	19.64	PASS
Band48	10MHz	64QAM	55990	25RB#0	18.87	18.74	PASS
Band48	10MHz	64QAM	55990	25RB#25	18.84	18.71	PASS
Band48	10MHz	64QAM	55990	25RB#12	18.97	18.84	PASS
Band48	10MHz	64QAM	55990	50RB#0	18.90	18.77	PASS
Band48	10MHz	64QAM	56690	1RB#0	19.31	19.18	PASS
Band48	10MHz	64QAM	56690	1RB#49	19.48	19.35	PASS
Band48	10MHz	64QAM	56690	1RB#24	19.47	19.34	PASS
Band48	10MHz	64QAM	56690	25RB#0	18.46	18.33	PASS
Band48	10MHz	64QAM	56690	25RB#12	18.54	18.41	PASS
Band48	10MHz	64QAM	56690	25RB#25	18.57	18.44	PASS
Band48	10MHz	64QAM	56690	50RB#0	18.56	18.43	PASS
Band48	10MHz	256QAM	55290	1RB#0	17.39	17.26	PASS
Band48	10MHz	256QAM	55290	1RB#24	17.45	17.32	PASS
Band48	10MHz	256QAM	55290	1RB#49	17.58	17.45	PASS
Band48	10MHz	256QAM	55290	25RB#12	16.54	16.41	PASS
Band48	10MHz	256QAM	55290	25RB#0	16.50	16.37	PASS
Band48	10MHz	256QAM	55290	25RB#25	16.38	16.25	PASS
Band48	10MHz	256QAM	55290	50RB#0	16.39	16.26	PASS
Band48	10MHz	256QAM	55990	1RB#0	17.90	17.77	PASS
Band48	10MHz	256QAM	55990	1RB#49	18.01	17.88	PASS
Band48	10MHz	256QAM	55990	1RB#24	17.96	17.83	PASS
Band48	10MHz	256QAM	55990	25RB#0	16.82	16.69	PASS
Band48	10MHz	256QAM	55990	25RB#25	16.89	16.76	PASS
Band48	10MHz	256QAM	55990	25RB#12	16.96	16.83	PASS



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Band48	10MHz	256QAM	55990	50RB#0	16.96	16.83	PASS
Band48	10MHz	256QAM	56690	1RB#0	17.45	17.32	PASS
Band48	10MHz	256QAM	56690	1RB#49	17.52	17.39	PASS
Band48	10MHz	256QAM	56690	1RB#24	17.51	17.38	PASS
Band48	10MHz	256QAM	56690	25RB#0	16.42	16.29	PASS
Band48	10MHz	256QAM	56690	25RB#12	16.59	16.46	PASS
Band48	10MHz	256QAM	56690	25RB#25	16.47	16.34	PASS
Band48	10MHz	256QAM	56690	50RB#0	16.30	16.17	PASS
Band48	15MHz	QPSK	55315	1RB#74	19.69	19.56	PASS
Band48	15MHz	QPSK	55315	1RB#38	19.69	19.56	PASS
Band48	15MHz	QPSK	55315	1RB#0	19.73	19.60	PASS
Band48	15MHz	QPSK	55315	36RB#39	18.73	18.60	PASS
Band48	15MHz	QPSK	55315	36RB#18	18.72	18.59	PASS
Band48	15MHz	QPSK	55315	36RB#0	18.81	18.68	PASS
Band48	15MHz	QPSK	55315	75RB#0	18.83	18.70	PASS
Band48	15MHz	QPSK	55990	1RB#0	19.97	19.84	PASS
Band48	15MHz	QPSK	55990	1RB#38	20.26	20.13	PASS
Band48	15MHz	QPSK	55990	1RB#74	20.14	20.01	PASS
Band48	15MHz	QPSK	55990	36RB#0	19.21	19.08	PASS
Band48	15MHz	QPSK	55990	36RB#18	19.26	19.13	PASS
Band48	15MHz	QPSK	55990	36RB#39	19.29	19.16	PASS
Band48	15MHz	QPSK	55990	75RB#0	19.20	19.07	PASS
Band48	15MHz	QPSK	56665	1RB#0	19.64	19.51	PASS
Band48	15MHz	QPSK	56665	1RB#38	19.83	19.70	PASS
Band48	15MHz	QPSK	56665	1RB#74	19.64	19.51	PASS
Band48	15MHz	QPSK	56665	36RB#0	18.79	18.66	PASS
Band48	15MHz	QPSK	56665	36RB#18	18.98	18.85	PASS
Band48	15MHz	QPSK	56665	36RB#39	18.71	18.58	PASS
Band48	15MHz	QPSK	56665	75RB#0	18.68	18.55	PASS
Band48	15MHz	16QAM	55315	1RB#74	18.90	18.77	PASS
Band48	15MHz	16QAM	55315	1RB#38	19.15	19.02	PASS
Band48	15MHz	16QAM	55315	1RB#0	19.06	18.93	PASS
Band48	15MHz	16QAM	55315	36RB#0	17.70	17.57	PASS



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Band48	15MHz	16QAM	55315	36RB#18	17.88	17.75	PASS
Band48	15MHz	16QAM	55315	36RB#39	17.79	17.66	PASS
Band48	15MHz	16QAM	55315	75RB#0	17.85	17.72	PASS
Band48	15MHz	16QAM	55990	1RB#38	19.30	19.17	PASS
Band48	15MHz	16QAM	55990	1RB#74	19.64	19.51	PASS
Band48	15MHz	16QAM	55990	1RB#0	19.50	19.37	PASS
Band48	15MHz	16QAM	55990	36RB#39	18.18	18.05	PASS
Band48	15MHz	16QAM	55990	36RB#0	18.18	18.05	PASS
Band48	15MHz	16QAM	55990	36RB#18	18.24	18.11	PASS
Band48	15MHz	16QAM	55990	75RB#0	18.25	18.12	PASS
Band48	15MHz	16QAM	56665	1RB#0	19.08	18.95	PASS
Band48	15MHz	16QAM	56665	1RB#38	19.06	18.93	PASS
Band48	15MHz	16QAM	56665	1RB#74	18.96	18.83	PASS
Band48	15MHz	16QAM	56665	36RB#18	17.83	17.70	PASS
Band48	15MHz	16QAM	56665	36RB#0	17.72	17.59	PASS
Band48	15MHz	16QAM	56665	36RB#39	17.82	17.69	PASS
Band48	15MHz	16QAM	56665	75RB#0	17.87	17.74	PASS
Band48	15MHz	64QAM	55315	1RB#38	17.70	17.57	PASS
Band48	15MHz	64QAM	55315	1RB#0	17.87	17.74	PASS
Band48	15MHz	64QAM	55315	1RB#74	17.81	17.68	PASS
Band48	15MHz	64QAM	55315	36RB#0	16.86	16.73	PASS
Band48	15MHz	64QAM	55315	36RB#39	16.81	16.68	PASS
Band48	15MHz	64QAM	55315	36RB#18	16.74	16.61	PASS
Band48	15MHz	64QAM	55315	75RB#0	16.77	16.64	PASS
Band48	15MHz	64QAM	55990	1RB#38	18.00	17.87	PASS
Band48	15MHz	64QAM	55990	1RB#74	18.32	18.19	PASS
Band48	15MHz	64QAM	55990	1RB#0	18.17	18.04	PASS
Band48	15MHz	64QAM	55990	36RB#0	17.08	16.95	PASS
Band48	15MHz	64QAM	55990	36RB#18	17.18	17.05	PASS
Band48	15MHz	64QAM	55990	36RB#39	17.26	17.13	PASS
Band48	15MHz	64QAM	55990	75RB#0	17.12	16.99	PASS
Band48	15MHz	64QAM	56665	1RB#0	17.63	17.50	PASS
Band48	15MHz	64QAM	56665	1RB#38	17.81	17.68	PASS



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Band48	15MHz	64QAM	56665	1RB#74	17.76	17.63	PASS
Band48	15MHz	64QAM	56665	36RB#0	16.75	16.62	PASS
Band48	15MHz	64QAM	56665	36RB#18	16.85	16.72	PASS
Band48	15MHz	64QAM	56665	36RB#39	16.87	16.74	PASS
Band48	15MHz	64QAM	56665	75RB#0	16.81	16.68	PASS
Band48	15MHz	256QAM	55315	1RB#38	17.45	17.32	PASS
Band48	15MHz	256QAM	55315	1RB#0	17.41	17.28	PASS
Band48	15MHz	256QAM	55315	1RB#74	17.57	17.44	PASS
Band48	15MHz	256QAM	55315	36RB#0	16.42	16.29	PASS
Band48	15MHz	256QAM	55315	36RB#39	16.50	16.37	PASS
Band48	15MHz	256QAM	55315	36RB#18	16.40	16.27	PASS
Band48	15MHz	256QAM	55315	75RB#0	16.51	16.38	PASS
Band48	15MHz	256QAM	55990	1RB#38	17.84	17.71	PASS
Band48	15MHz	256QAM	55990	1RB#74	17.99	17.86	PASS
Band48	15MHz	256QAM	55990	1RB#0	17.91	17.78	PASS
Band48	15MHz	256QAM	55990	36RB#0	16.86	16.73	PASS
Band48	15MHz	256QAM	55990	36RB#18	16.83	16.70	PASS
Band48	15MHz	256QAM	55990	36RB#39	16.89	16.76	PASS
Band48	15MHz	256QAM	55990	75RB#0	16.96	16.83	PASS
Band48	15MHz	256QAM	56665	1RB#0	17.51	17.38	PASS
Band48	15MHz	256QAM	56665	1RB#38	17.42	17.29	PASS
Band48	15MHz	256QAM	56665	1RB#74	17.48	17.35	PASS
Band48	15MHz	256QAM	56665	36RB#0	16.48	16.35	PASS
Band48	15MHz	256QAM	56665	36RB#18	16.58	16.45	PASS
Band48	15MHz	256QAM	56665	36RB#39	16.52	16.39	PASS
Band48	15MHz	256QAM	56665	75RB#0	16.33	16.20	PASS
Band48	20MHz	QPSK	55340	1RB#0	18.35	18.22	PASS
Band48	20MHz	QPSK	55340	1RB#49	18.53	18.40	PASS
Band48	20MHz	QPSK	55340	1RB#99	18.44	18.31	PASS
Band48	20MHz	QPSK	55340	50RB#25	17.53	17.40	PASS
Band48	20MHz	QPSK	55340	50RB#0	17.55	17.42	PASS
Band48	20MHz	QPSK	55340	50RB#50	17.58	17.45	PASS
Band48	20MHz	QPSK	55340	100RB#0	17.54	17.41	PASS



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Band48	20MHz	QPSK	55990	1RB#99	18.74	18.61	PASS
Band48	20MHz	QPSK	55990	1RB#0	18.93	18.80	PASS
Band48	20MHz	QPSK	55990	1RB#49	18.80	18.67	PASS
Band48	20MHz	QPSK	55990	50RB#0	17.93	17.80	PASS
Band48	20MHz	QPSK	55990	50RB#25	17.95	17.82	PASS
Band48	20MHz	QPSK	55990	50RB#50	17.97	17.84	PASS
Band48	20MHz	QPSK	55990	100RB#0	17.93	17.80	PASS
Band48	20MHz	QPSK	56640	1RB#49	18.41	18.28	PASS
Band48	20MHz	QPSK	56640	1RB#0	18.52	18.39	PASS
Band48	20MHz	QPSK	56640	1RB#99	18.38	18.25	PASS
Band48	20MHz	QPSK	56640	50RB#25	17.57	17.44	PASS
Band48	20MHz	QPSK	56640	50RB#0	17.65	17.52	PASS
Band48	20MHz	QPSK	56640	50RB#50	17.56	17.43	PASS
Band48	20MHz	QPSK	56640	100RB#0	17.49	17.36	PASS
Band48	20MHz	16QAM	55340	1RB#0	17.70	17.57	PASS
Band48	20MHz	16QAM	55340	1RB#49	17.88	17.75	PASS
Band48	20MHz	16QAM	55340	1RB#99	17.76	17.63	PASS
Band48	20MHz	16QAM	55340	50RB#50	16.55	16.42	PASS
Band48	20MHz	16QAM	55340	50RB#0	16.54	16.41	PASS
Band48	20MHz	16QAM	55340	50RB#25	16.57	16.44	PASS
Band48	20MHz	16QAM	55340	100RB#0	16.53	16.40	PASS
Band48	20MHz	16QAM	55990	1RB#0	18.11	17.98	PASS
Band48	20MHz	16QAM	55990	1RB#49	18.29	18.16	PASS
Band48	20MHz	16QAM	55990	1RB#99	18.17	18.04	PASS
Band48	20MHz	16QAM	55990	50RB#0	16.96	16.83	PASS
Band48	20MHz	16QAM	55990	50RB#25	16.95	16.82	PASS
Band48	20MHz	16QAM	55990	50RB#50	16.97	16.84	PASS
Band48	20MHz	16QAM	55990	100RB#0	16.94	16.81	PASS
Band48	20MHz	16QAM	56640	1RB#99	17.77	17.64	PASS
Band48	20MHz	16QAM	56640	1RB#0	17.89	17.76	PASS
Band48	20MHz	16QAM	56640	1RB#49	17.79	17.66	PASS
Band48	20MHz	16QAM	56640	50RB#0	16.51	16.38	PASS
Band48	20MHz	16QAM	56640	50RB#50	16.53	16.40	PASS



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Band48	20MHz	16QAM	56640	50RB#25	16.67	16.54	PASS
Band48	20MHz	16QAM	56640	100RB#0	16.52	16.39	PASS
Band48	20MHz	64QAM	55340	1RB#0	16.38	16.25	PASS
Band48	20MHz	64QAM	55340	1RB#49	16.57	16.44	PASS
Band48	20MHz	64QAM	55340	1RB#99	16.47	16.34	PASS
Band48	20MHz	64QAM	55340	50RB#0	15.52	15.39	PASS
Band48	20MHz	64QAM	55340	50RB#25	15.53	15.40	PASS
Band48	20MHz	64QAM	55340	50RB#50	15.54	15.41	PASS
Band48	20MHz	64QAM	55340	100RB#0	15.51	15.38	PASS
Band48	20MHz	64QAM	55990	1RB#0	16.77	16.64	PASS
Band48	20MHz	64QAM	55990	1RB#99	16.98	16.85	PASS
Band48	20MHz	64QAM	55990	1RB#49	16.86	16.73	PASS
Band48	20MHz	64QAM	55990	50RB#0	15.93	15.80	PASS
Band48	20MHz	64QAM	55990	50RB#25	15.93	15.80	PASS
Band48	20MHz	64QAM	55990	50RB#50	15.95	15.82	PASS
Band48	20MHz	64QAM	55990	100RB#0	15.91	15.78	PASS
Band48	20MHz	64QAM	56640	1RB#0	16.30	16.17	PASS
Band48	20MHz	64QAM	56640	1RB#99	16.51	16.38	PASS
Band48	20MHz	64QAM	56640	1RB#49	16.44	16.31	PASS
Band48	20MHz	64QAM	56640	50RB#50	15.52	15.39	PASS
Band48	20MHz	64QAM	56640	50RB#25	15.58	15.45	PASS
Band48	20MHz	64QAM	56640	50RB#0	15.57	15.44	PASS
Band48	20MHz	64QAM	56640	100RB#0	15.50	15.37	PASS
Band48	20MHz	256QAM	55340	1RB#0	17.45	17.32	PASS
Band48	20MHz	256QAM	55340	1RB#49	17.50	17.37	PASS
Band48	20MHz	256QAM	55340	1RB#99	17.55	17.42	PASS
Band48	20MHz	256QAM	55340	50RB#0	16.47	16.34	PASS
Band48	20MHz	256QAM	55340	50RB#25	16.48	16.35	PASS
Band48	20MHz	256QAM	55340	50RB#50	16.47	16.34	PASS
Band48	20MHz	256QAM	55340	100RB#0	16.48	16.35	PASS
Band48	20MHz	256QAM	55990	1RB#0	17.90	17.77	PASS
Band48	20MHz	256QAM	55990	1RB#99	17.95	17.82	PASS
Band48	20MHz	256QAM	55990	1RB#49	17.88	17.75	PASS



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Band48	20MHz	256QAM	55990	50RB#0	16.87	16.74	PASS
Band48	20MHz	256QAM	55990	50RB#25	16.90	16.77	PASS
Band48	20MHz	256QAM	55990	50RB#50	16.90	16.77	PASS
Band48	20MHz	256QAM	55990	100RB#0	16.92	16.79	PASS
Band48	20MHz	256QAM	56640	1RB#0	17.46	17.33	PASS
Band48	20MHz	256QAM	56640	1RB#99	17.46	17.33	PASS
Band48	20MHz	256QAM	56640	1RB#49	17.53	17.40	PASS
Band48	20MHz	256QAM	56640	50RB#50	16.42	16.29	PASS
Band48	20MHz	256QAM	56640	50RB#25	16.50	16.37	PASS
Band48	20MHz	256QAM	56640	50RB#0	16.43	16.30	PASS
Band48	20MHz	256QAM	56640	100RB#0	16.37	16.24	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

$$ERP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBd]}$$

$$EIRP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$



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## 2. Peak-to-Average Ratio (CCDF)

Test ResultBand	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band48	20MHz	QPSK	55340	100RB#0	7.97	13	PASS
Band48	20MHz	QPSK	55990	100RB#0	7.48	13	PASS
Band48	20MHz	QPSK	56640	100RB#0	5.83	13	PASS
Band48	20MHz	64QAM	55340	100RB#0	9.68	13	PASS
Band48	20MHz	64QAM	55990	100RB#0	8.93	13	PASS
Band48	20MHz	64QAM	56640	100RB#0	8.90	13	PASS
Band48	20MHz	16QAM	55340	100RB#0	6.70	13	PASS
Band48	20MHz	16QAM	55990	100RB#0	7.10	13	PASS
Band48	20MHz	16QAM	56640	100RB#0	7.10	13	PASS
Band48	20MHz	256QAM	55340	100RB#0	5.86	13	PASS
Band48	20MHz	256QAM	55990	100RB#0	7.45	13	PASS
Band48	20MHz	256QAM	56640	100RB#0	6.00	13	PASS



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## 2.1. Test Plots

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



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



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



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



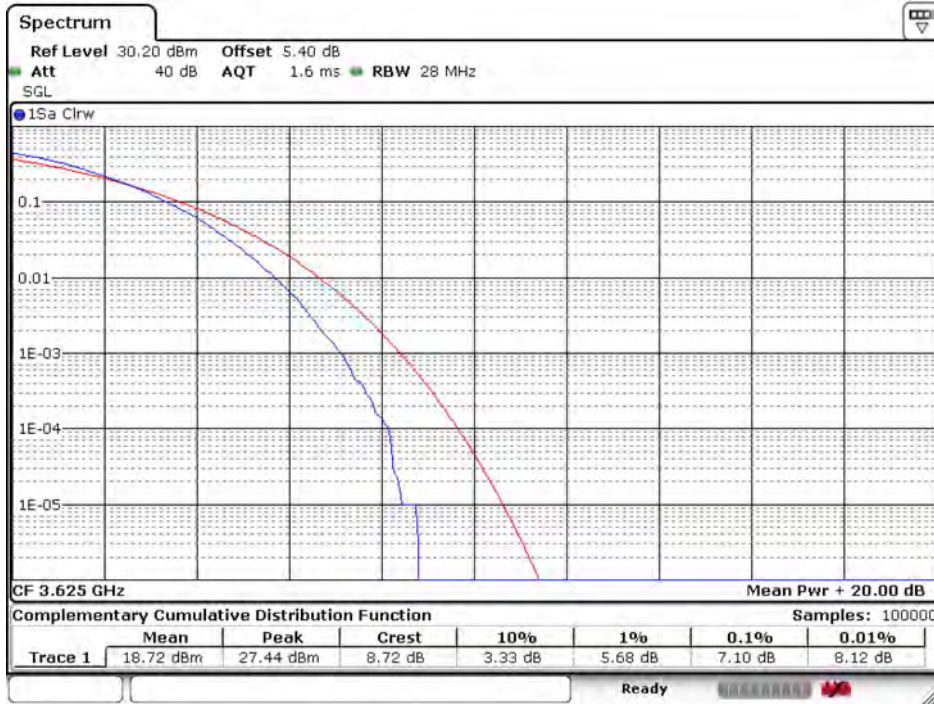
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Band48-20MHz-64QAM-55990-100RB#0



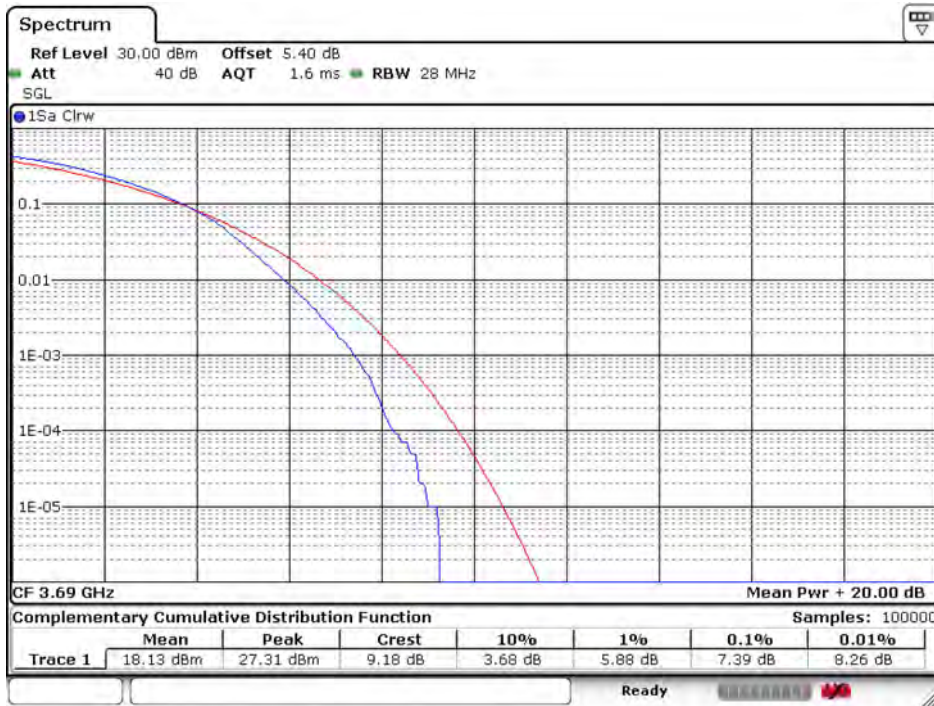
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Band48-20MHz-64QAM-56640-100RB#0



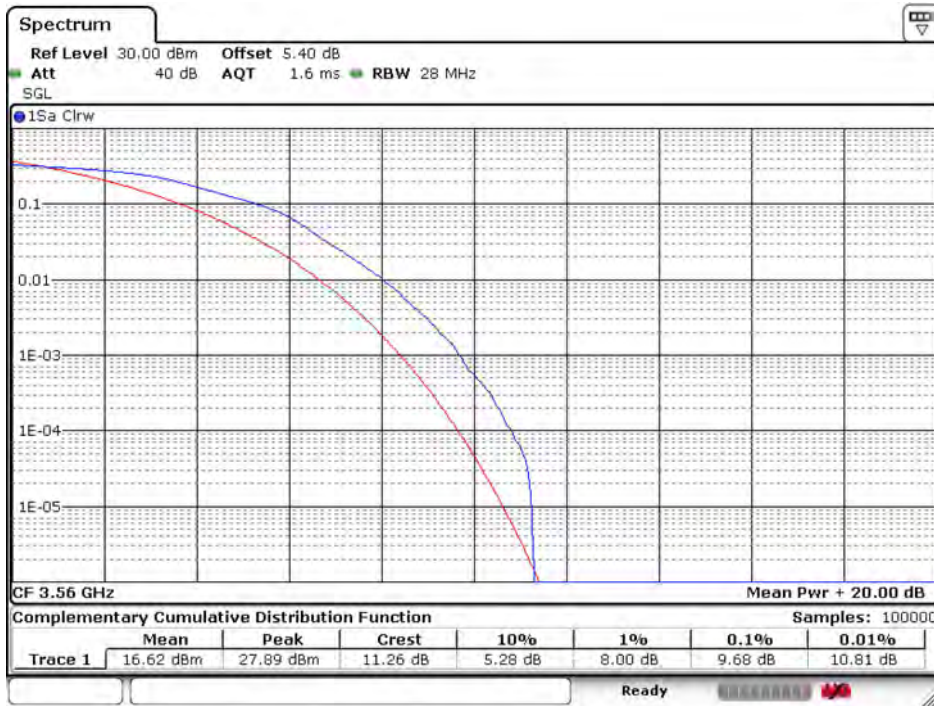
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Band48-20MHz-16QAM-55340-100RB#0



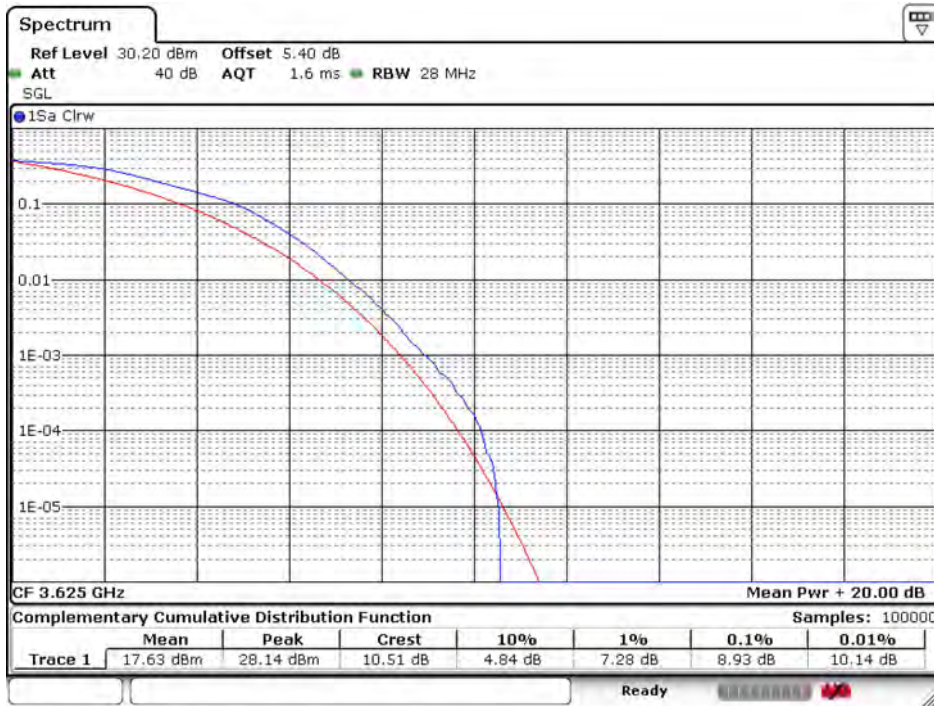
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Band48-20MHz-16QAM-55990-100RB#0



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



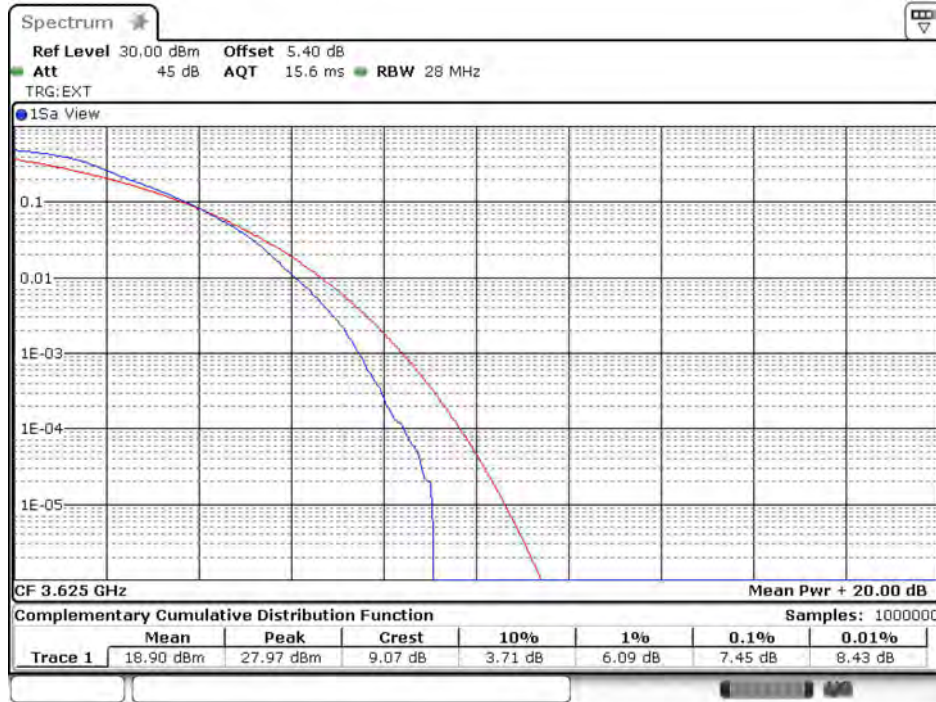
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Band48-20MHz-256QAM-55990-100RB#0



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



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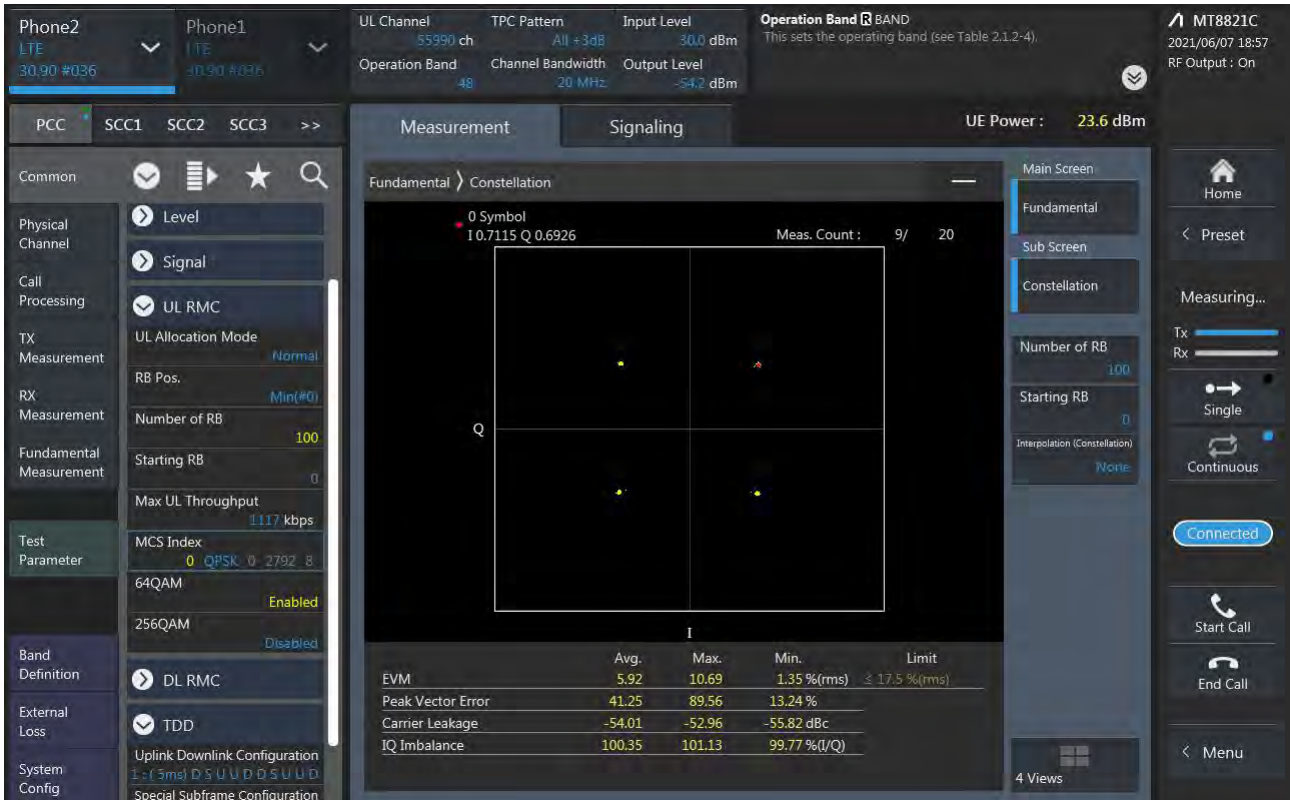
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### 3. Modulation Characteristics

#### 3.1. Test Mode = LTE /TM1 20MHz

##### 3.1.1. Test Channel = MCH



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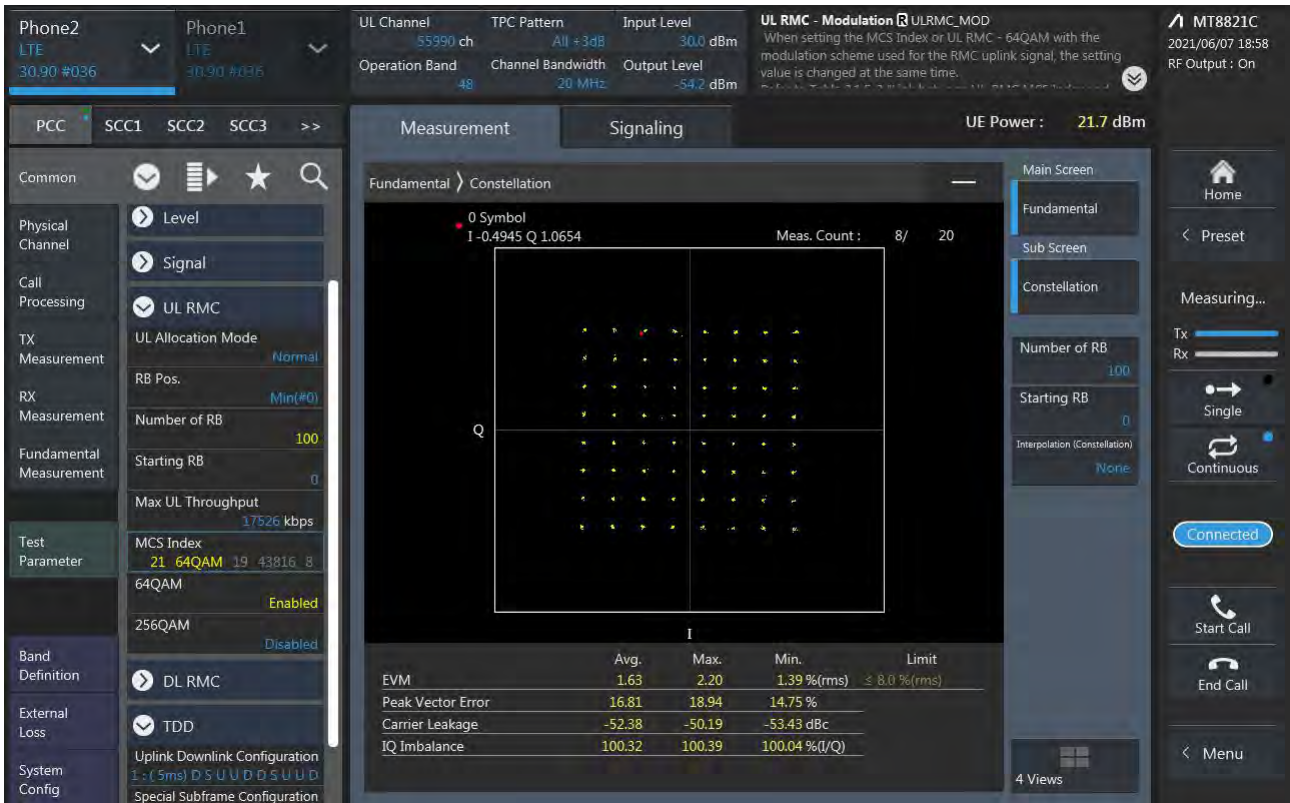
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### 3.3. Test Mode = LTE /TM3 20MHz

#### 3.3.1. Test Channel = MCH

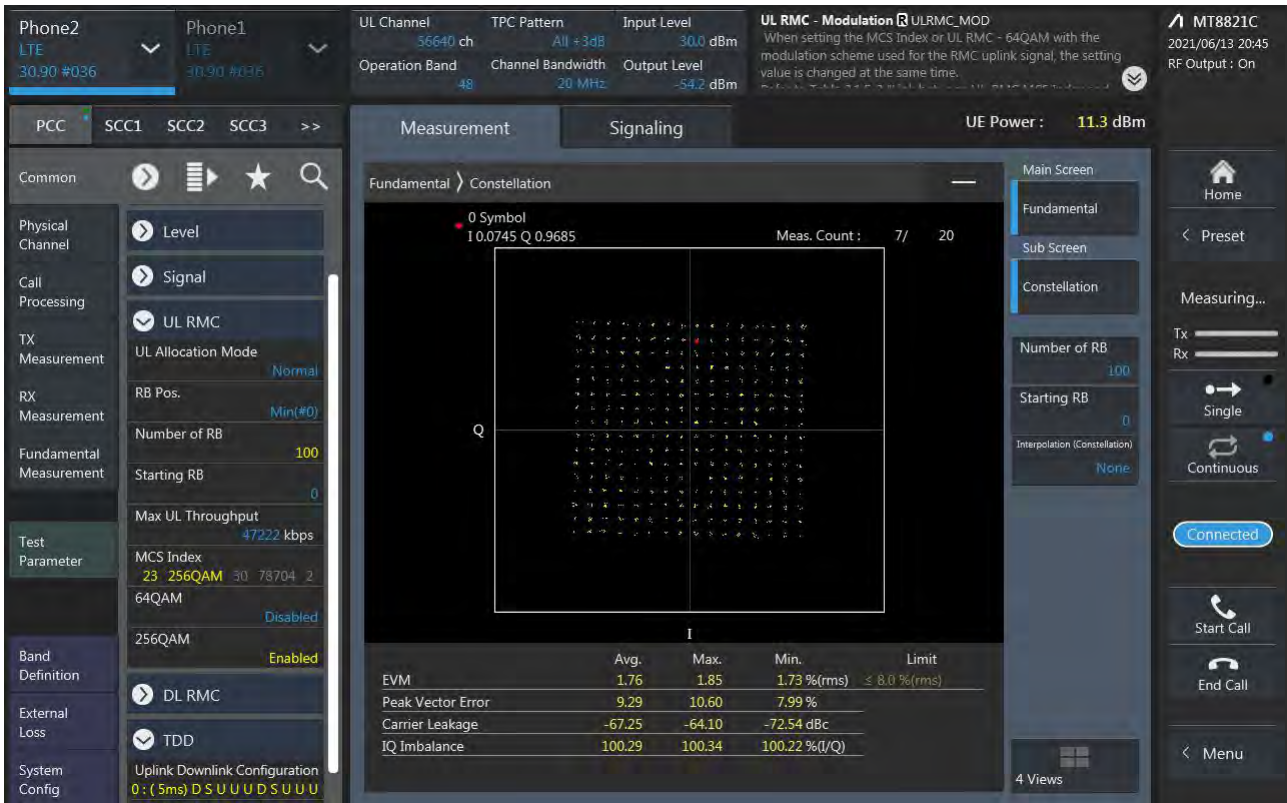


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### 3.4. Test Mode = LTE /TM4 20MHz

#### 3.4.1. Test Channel = MCH





## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band48	5MHz	QPSK	55265	25RB#0	4.49	5.05	PASS
Band48	5MHz	QPSK	55990	25RB#0	4.49	5.05	PASS
Band48	5MHz	QPSK	56715	25RB#0	4.47	5.07	PASS
Band48	5MHz	64QAM	55265	25RB#0	4.49	4.83	PASS
Band48	5MHz	64QAM	55990	25RB#0	4.47	4.89	PASS
Band48	5MHz	64QAM	56715	25RB#0	4.49	4.84	PASS
Band48	5MHz	16QAM	55265	25RB#0	4.47	4.88	PASS
Band48	5MHz	16QAM	55990	25RB#0	4.47	4.89	PASS
Band48	5MHz	16QAM	56715	25RB#0	4.47	4.85	PASS
Band48	5MHz	256QAM	55265	25RB#0	4.46	4.82	PASS
Band48	5MHz	256QAM	55990	25RB#0	4.46	4.84	PASS
Band48	5MHz	256QAM	56715	25RB#0	4.46	4.83	PASS
Band48	10MHz	QPSK	55290	50RB#0	8.94	9.70	PASS
Band48	10MHz	QPSK	55990	50RB#0	8.94	9.61	PASS
Band48	10MHz	QPSK	56690	50RB#0	8.94	9.64	PASS
Band48	10MHz	64QAM	55290	50RB#0	8.94	9.70	PASS
Band48	10MHz	64QAM	55990	50RB#0	8.94	9.70	PASS
Band48	10MHz	64QAM	56690	50RB#0	8.94	9.64	PASS
Band48	10MHz	16QAM	55290	50RB#0	8.91	9.61	PASS
Band48	10MHz	16QAM	55990	50RB#0	8.94	9.55	PASS
Band48	10MHz	16QAM	56690	50RB#0	8.91	9.58	PASS
Band48	10MHz	256QAM	55290	50RB#0	8.95	9.80	PASS
Band48	10MHz	256QAM	55990	50RB#0	8.95	9.80	PASS
Band48	10MHz	256QAM	56690	50RB#0	8.99	9.77	PASS
Band48	15MHz	QPSK	55315	75RB#0	13.46	14.94	PASS
Band48	15MHz	QPSK	55990	75RB#0	13.46	14.99	PASS
Band48	15MHz	QPSK	56665	75RB#0	13.46	14.88	PASS
Band48	15MHz	64QAM	55315	75RB#0	13.46	14.63	PASS
Band48	15MHz	64QAM	55990	75RB#0	13.45	14.65	PASS
Band48	15MHz	64QAM	56665	75RB#0	13.46	14.62	PASS
Band48	15MHz	16QAM	55315	75RB#0	13.46	14.59	PASS



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Band48	15MHz	16QAM	56665	75RB#0	13.46	14.66	PASS
Band48	15MHz	256QAM	55315	75RB#0	13.43	14.65	PASS
Band48	15MHz	256QAM	55990	75RB#0	13.43	14.65	PASS
Band48	15MHz	256QAM	56665	75RB#0	13.43	14.65	PASS
Band48	20MHz	QPSK	55340	100RB#0	17.89	19.39	PASS
Band48	20MHz	QPSK	55990	100RB#0	17.89	19.33	PASS
Band48	20MHz	QPSK	56640	100RB#0	17.89	19.44	PASS
Band48	20MHz	64QAM	55340	100RB#0	17.89	19.68	PASS
Band48	20MHz	64QAM	55990	100RB#0	17.95	19.74	PASS
Band48	20MHz	64QAM	56640	100RB#0	17.95	19.78	PASS
Band48	20MHz	16QAM	55340	100RB#0	17.89	19.51	PASS
Band48	20MHz	16QAM	55990	100RB#0	17.89	19.45	PASS
Band48	20MHz	16QAM	56640	100RB#0	17.89	19.49	PASS
Band48	20MHz	256QAM	55340	100RB#0	17.90	19.33	PASS
Band48	20MHz	256QAM	55990	100RB#0	17.90	19.27	PASS
Band48	20MHz	256QAM	56640	100RB#0	17.90	19.27	PASS

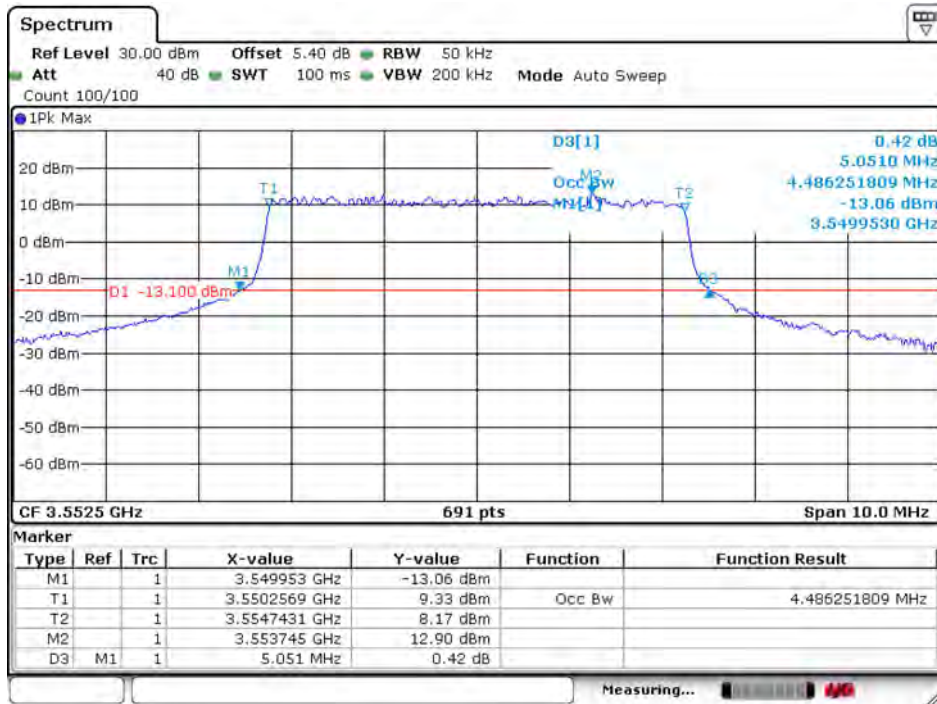


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## 4.2. Test Plots

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

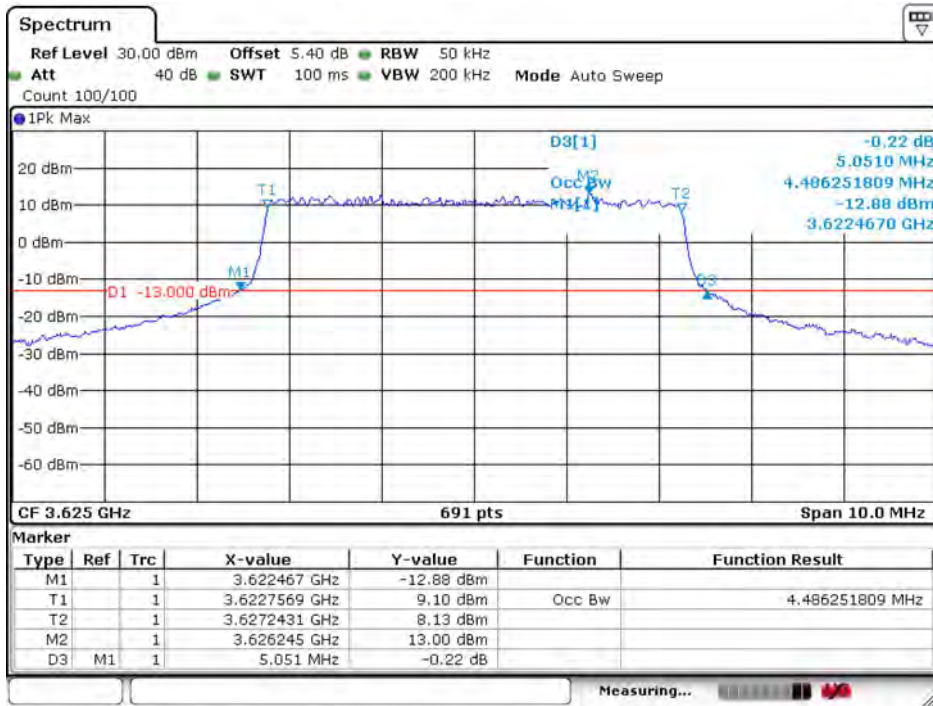


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Band48-5MHz-QPSK-55990-25RB#0



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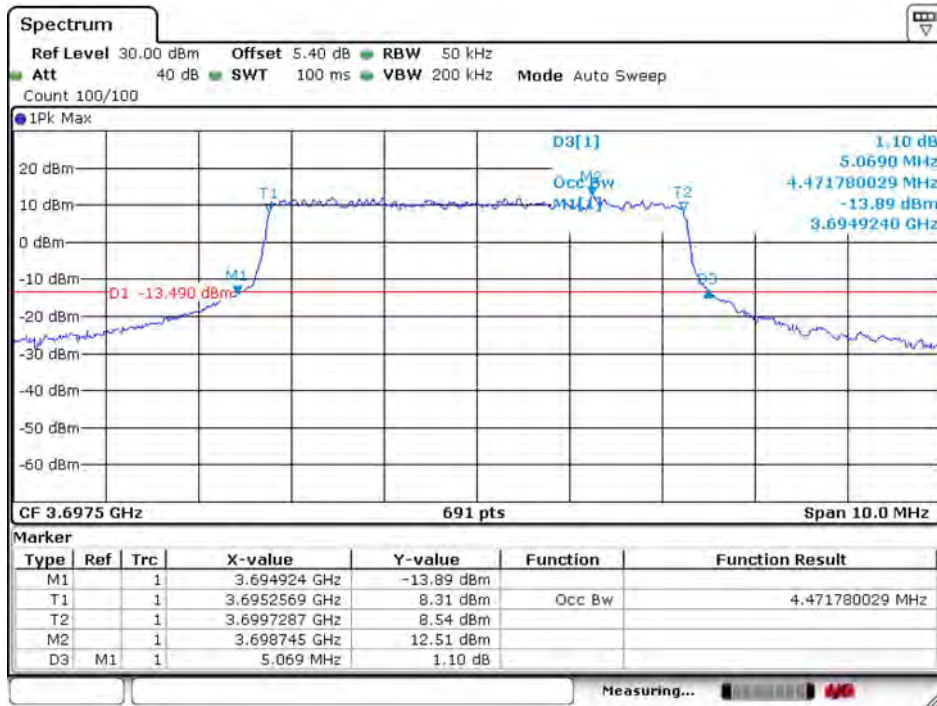
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Band48-5MHz-QPSK-56715-25RB#0



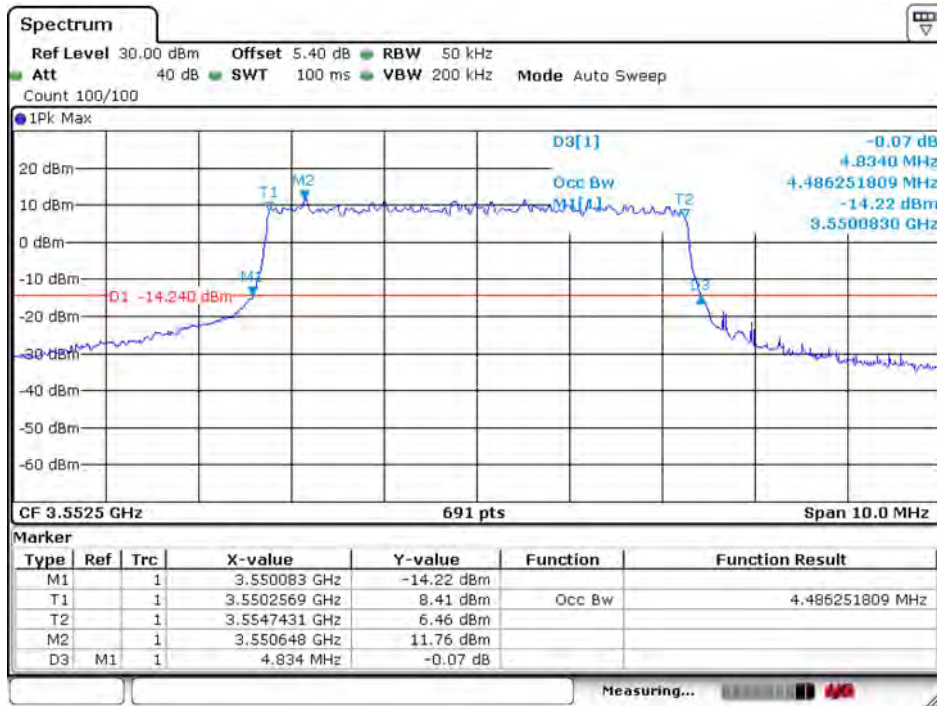
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Band48-5MHz-64QAM-55265-25RB#0



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



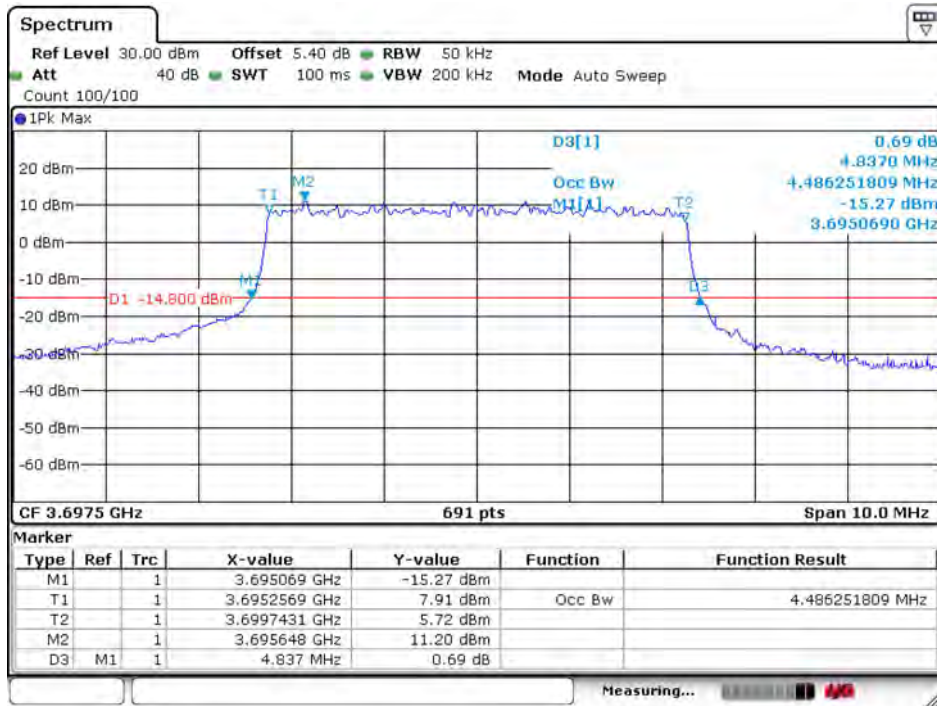
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Band48-5MHz-64QAM-56715-25RB#0



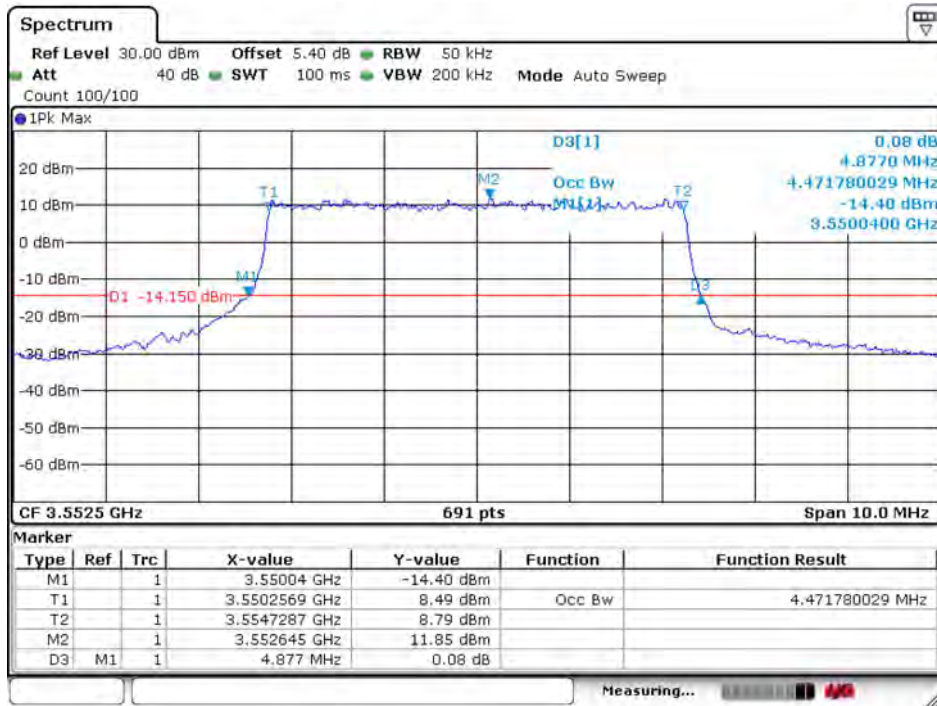
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**Band48-5MHz-16QAM-55265-25RB#0**



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



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



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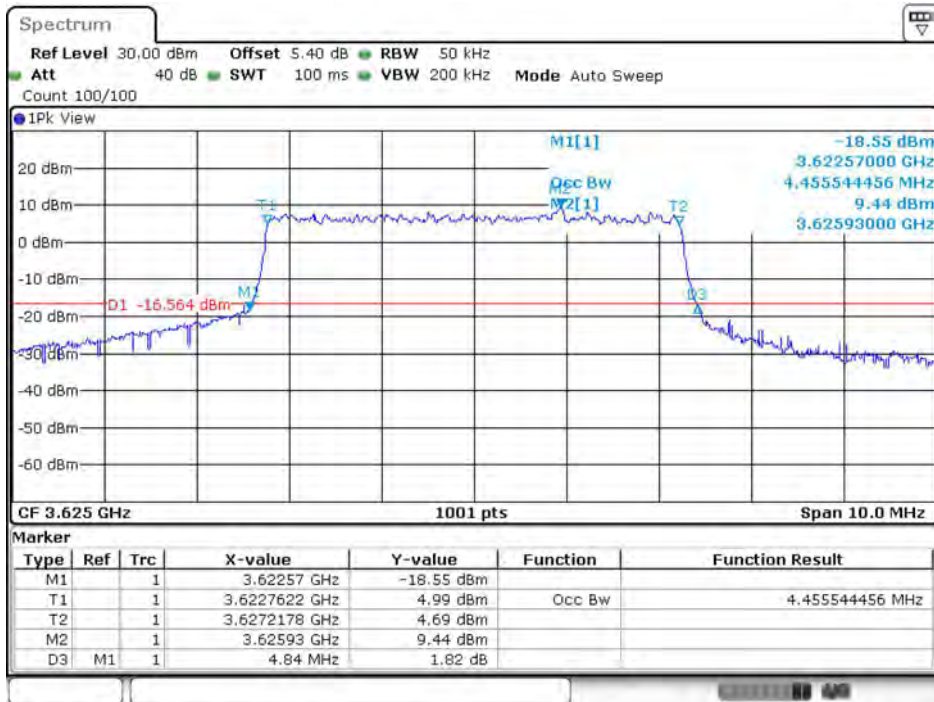
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Band48-5MHz-256QAM-55990-25RB#0



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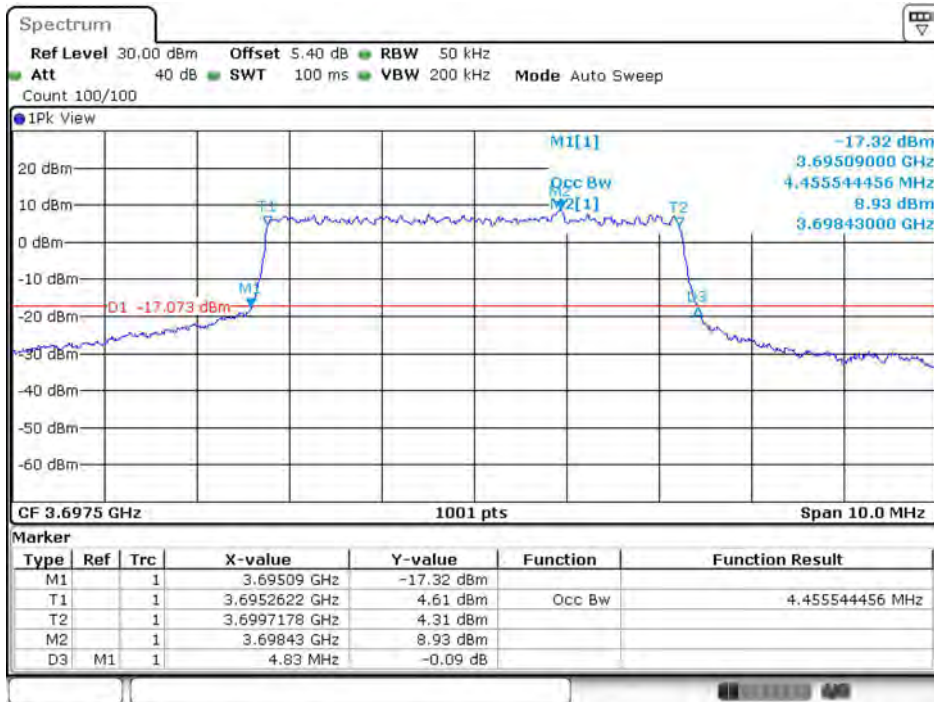


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Band48-5MHz-256QAM-56715-25RB#0



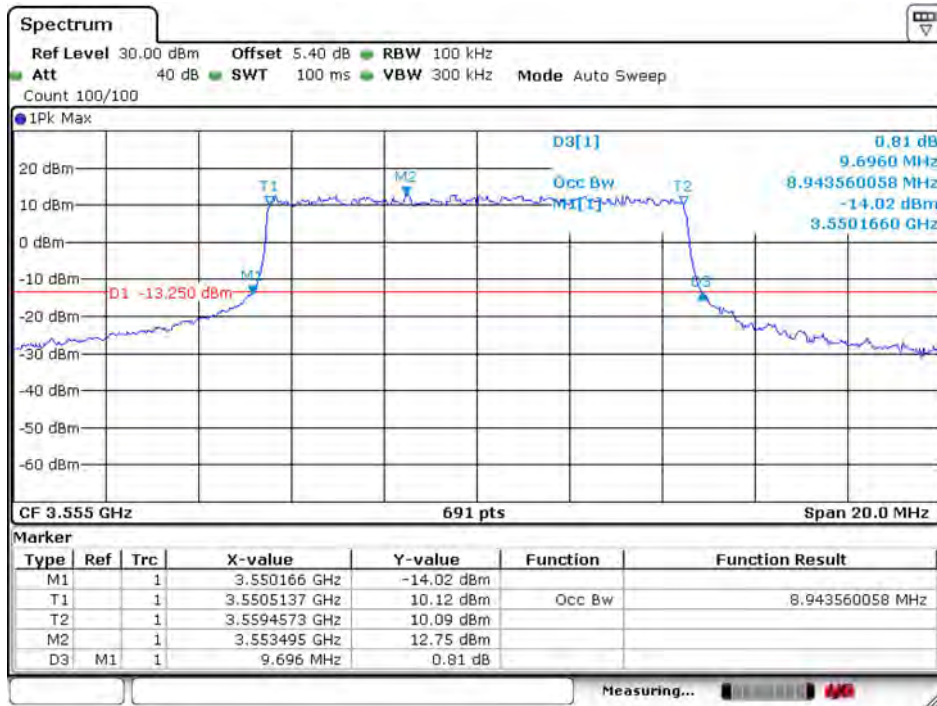
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Band48-10MHz-QPSK-55290-50RB#0



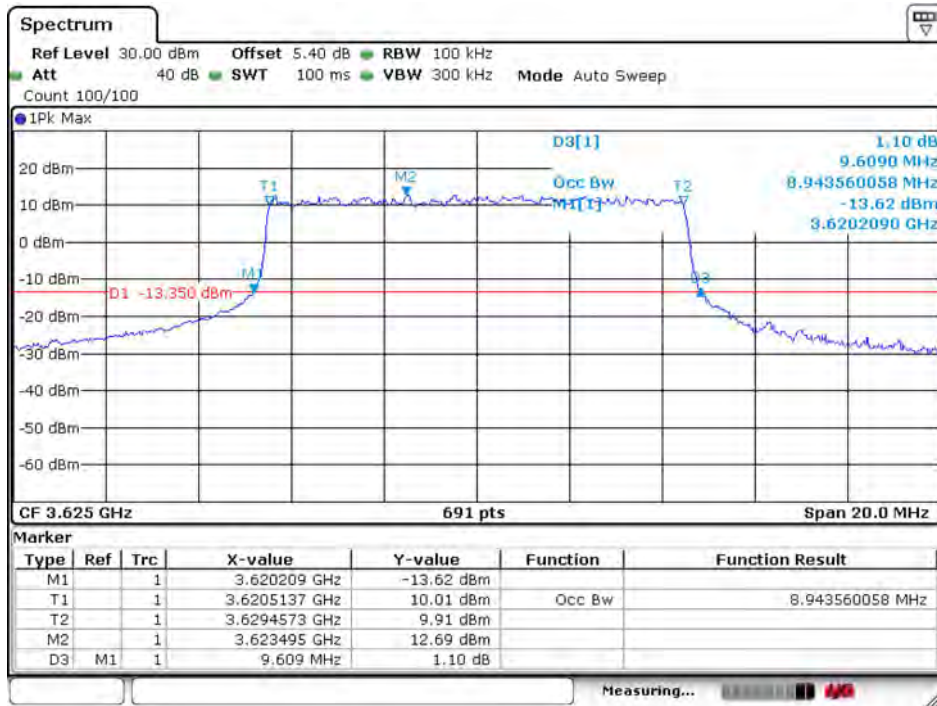
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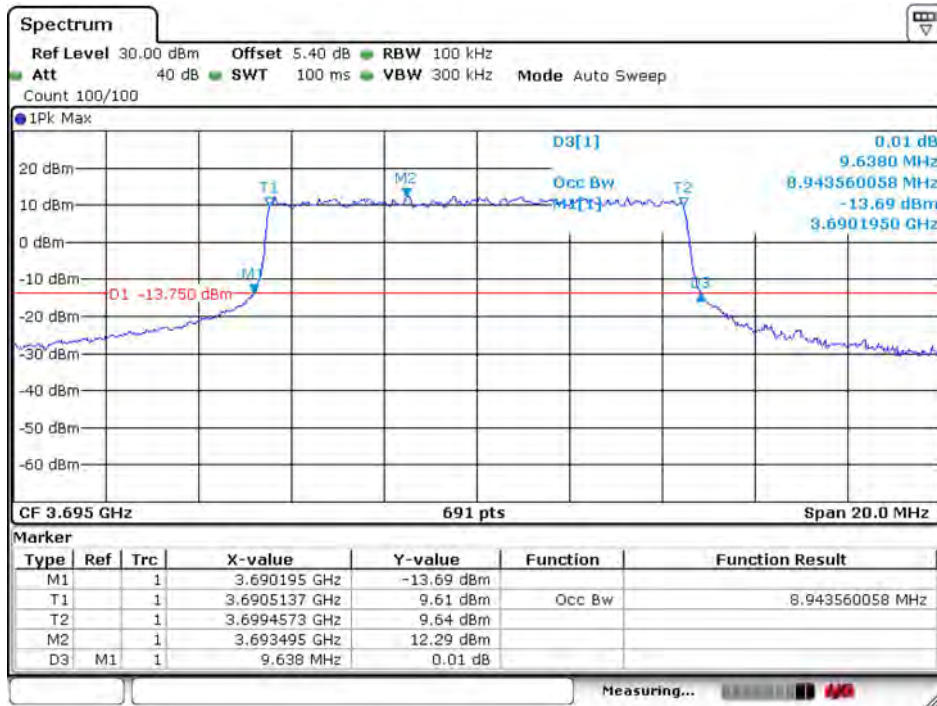
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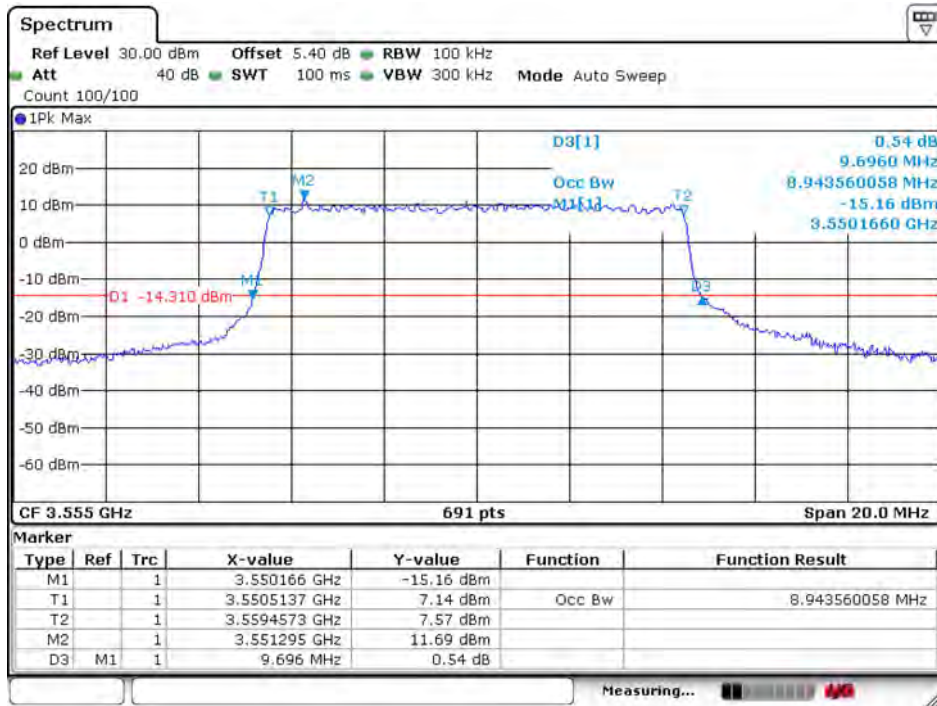
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Band48-10MHz-64QAM-55290-50RB#0



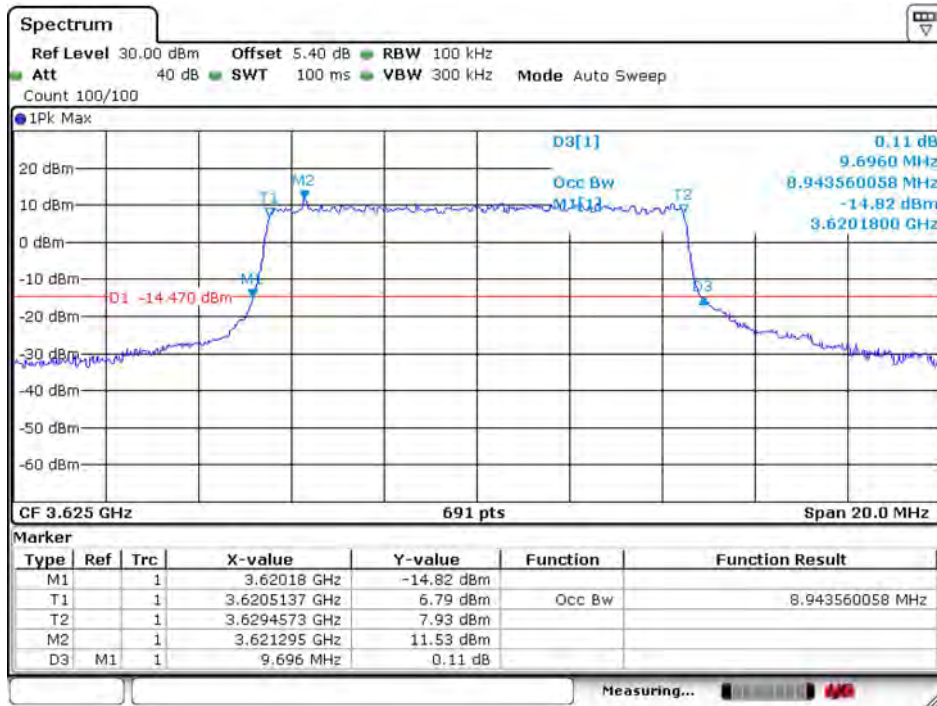
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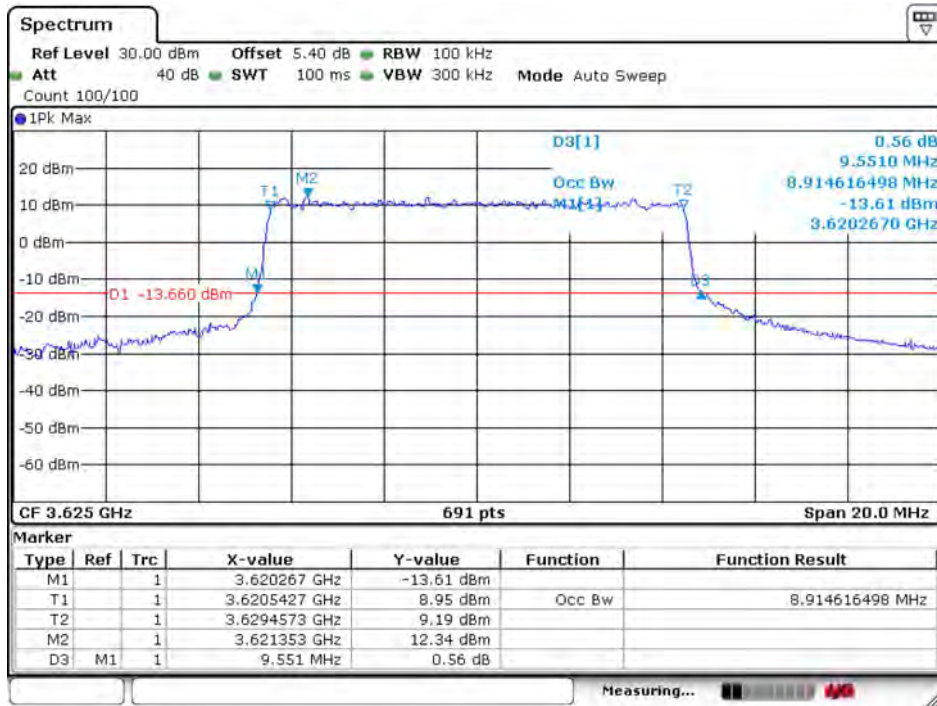
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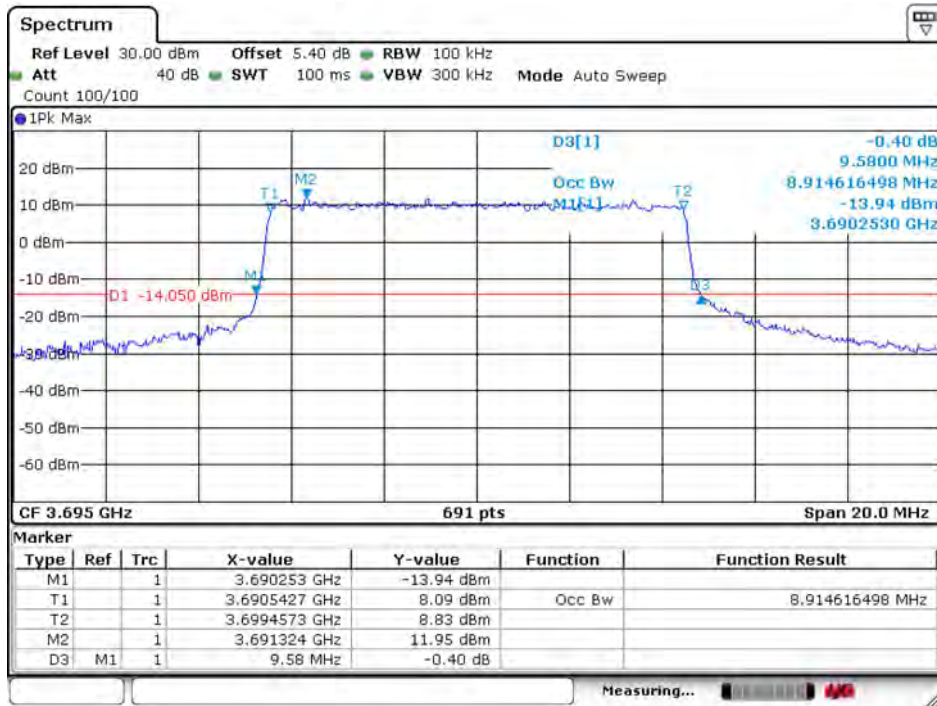
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**Band48-10MHz-16QAM-56690-50RB#0**



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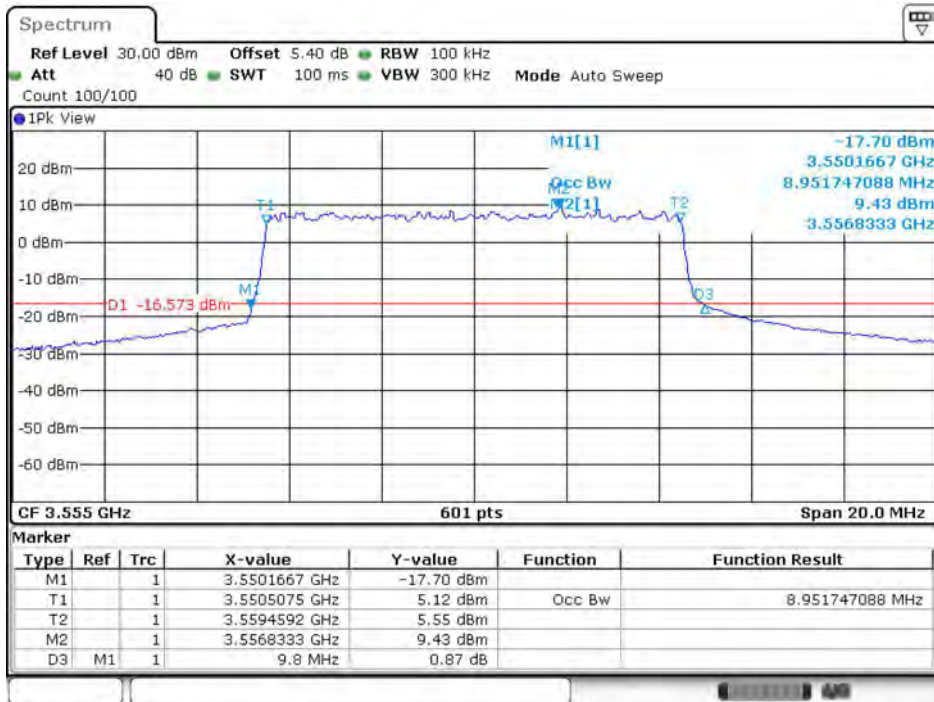
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Band48-10MHz-256QAM-55290-50RB#0



Date: 7.MAY 2021 04:19:40

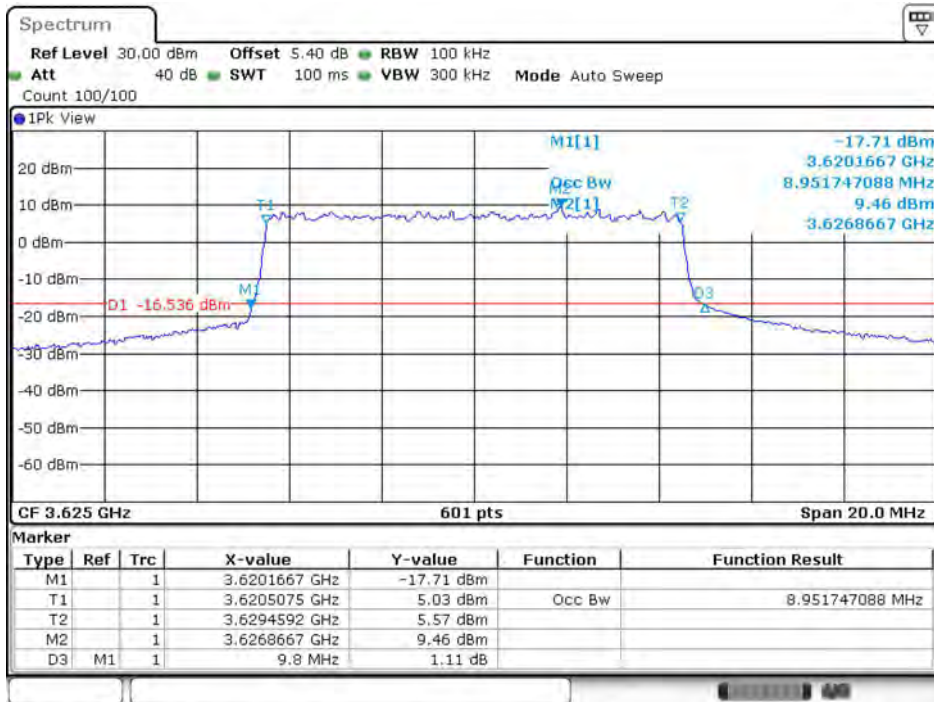


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Band48-10MHz-256QAM-55990-50RB#0



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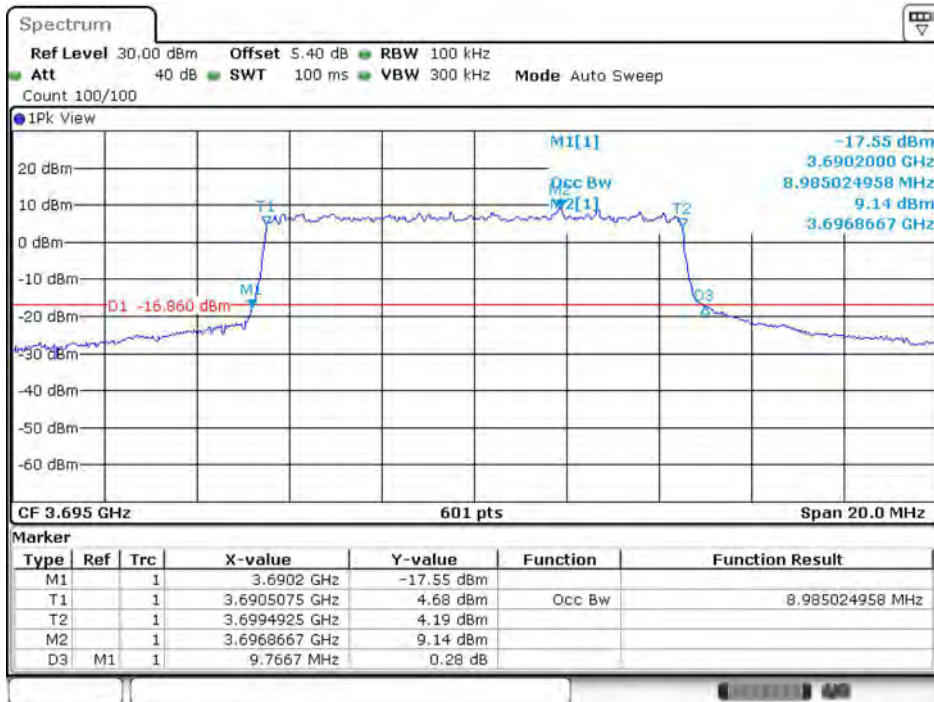
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Band48-10MHz-256QAM-56690-50RB#0



Date: 7.MAY 2021 04:22:24

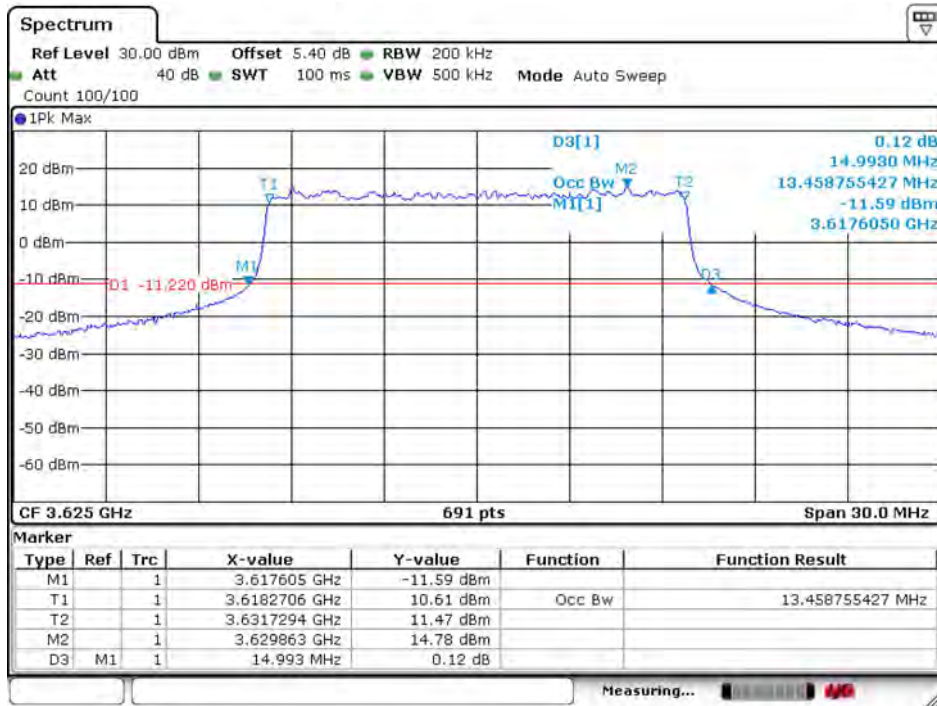


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Band48-15MHz-QPSK-55990-75RB#0



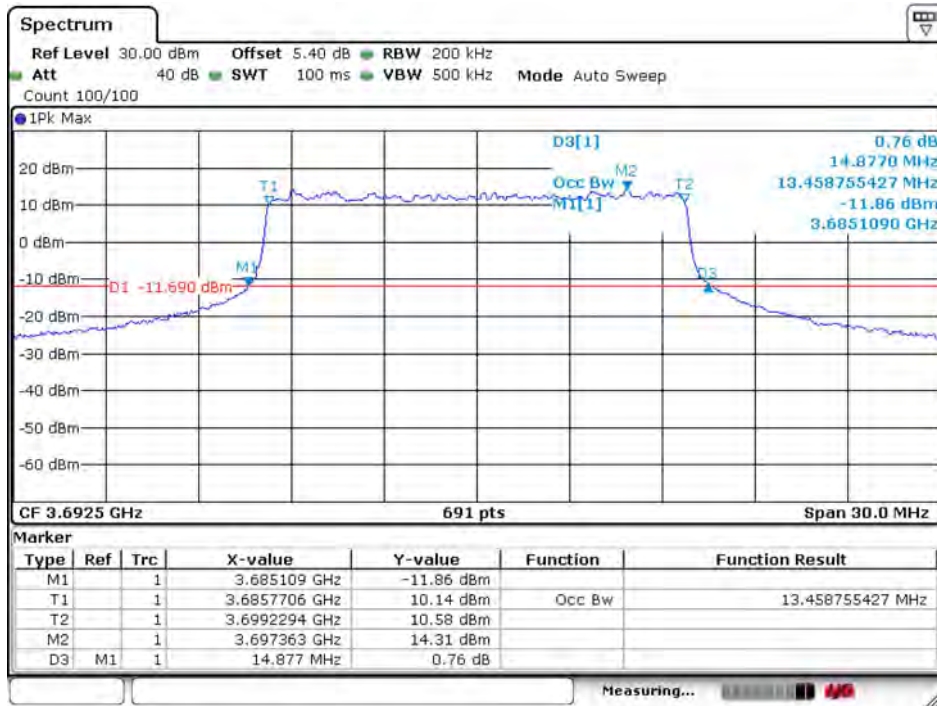
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Band48-15MHz-QPSK-56665-75RB#0

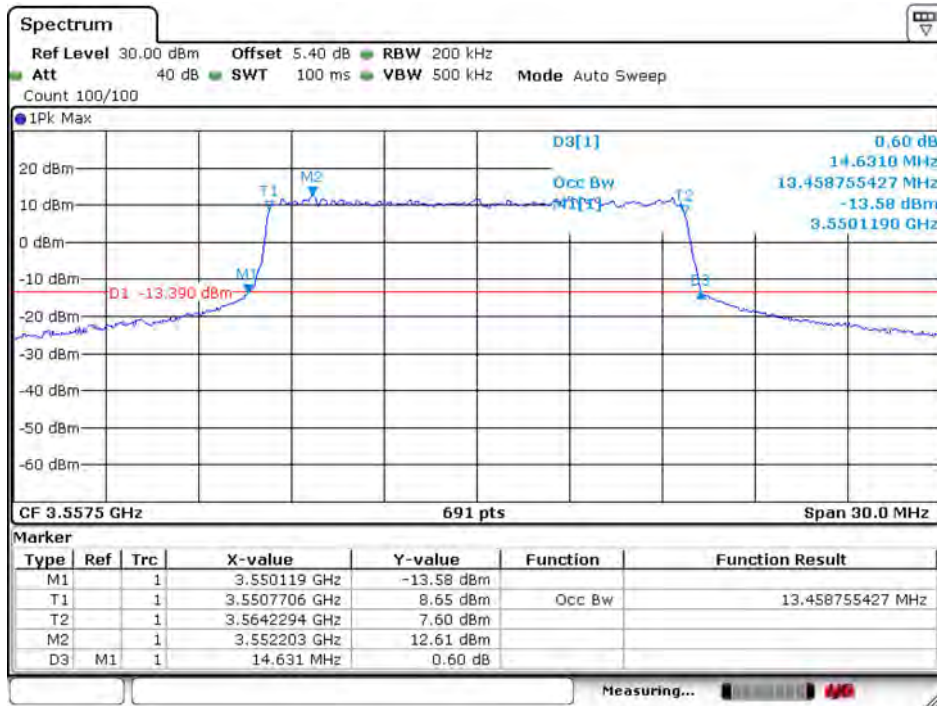


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Band48-15MHz-64QAM-55315-75RB#0

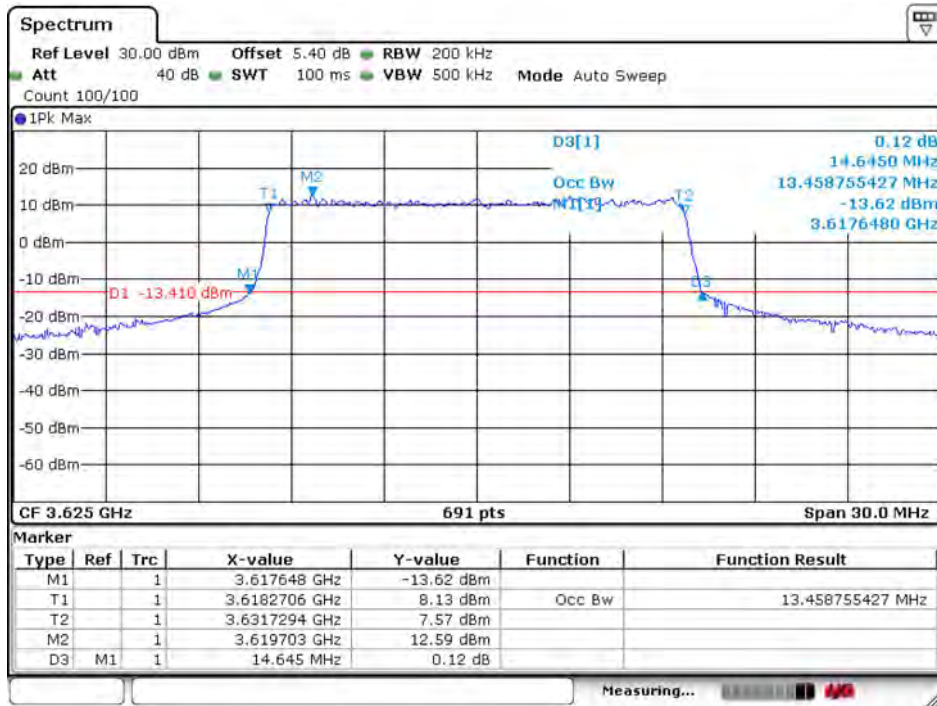


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Band48-15MHz-64QAM-55990-75RB#0



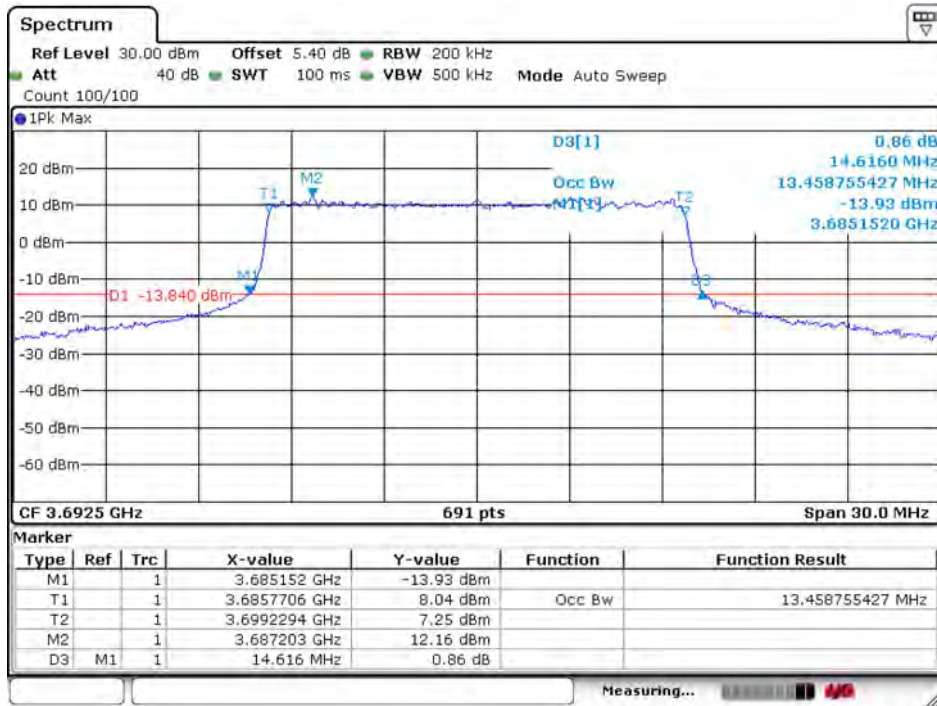
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Band48-15MHz-64QAM-56665-75RB#0



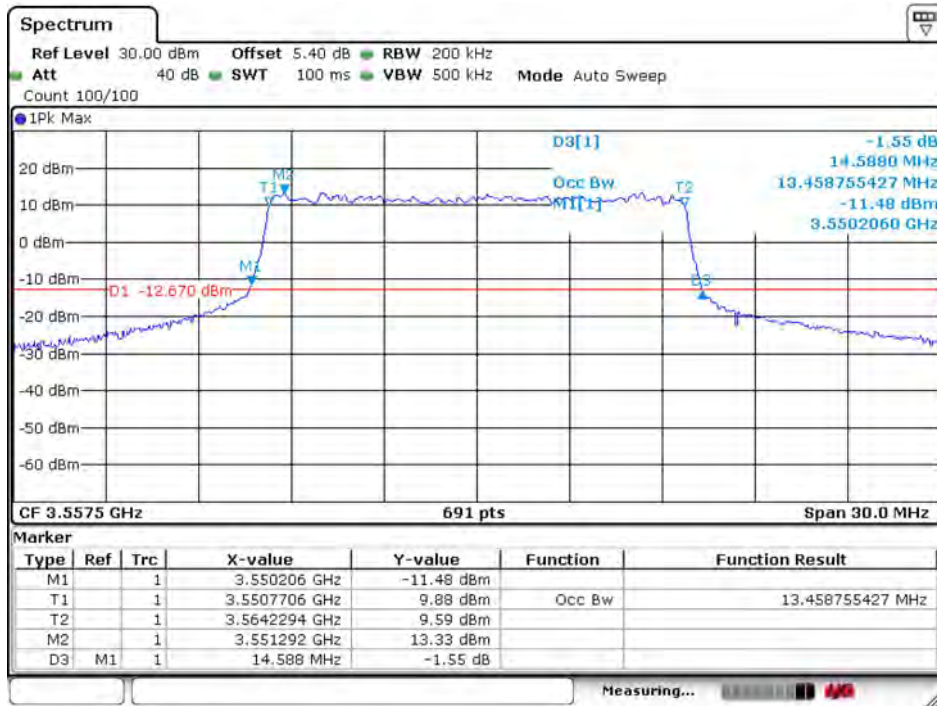
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**Band48-15MHz-16QAM-55315-75RB#0**



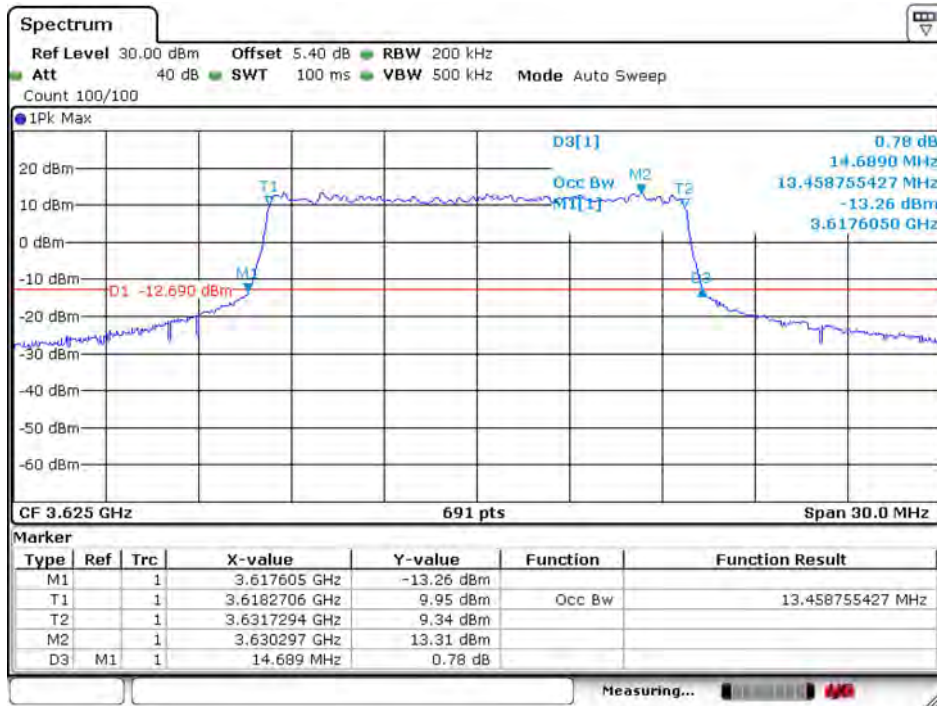
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Band48-15MHz-16QAM-55990-75RB#0



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



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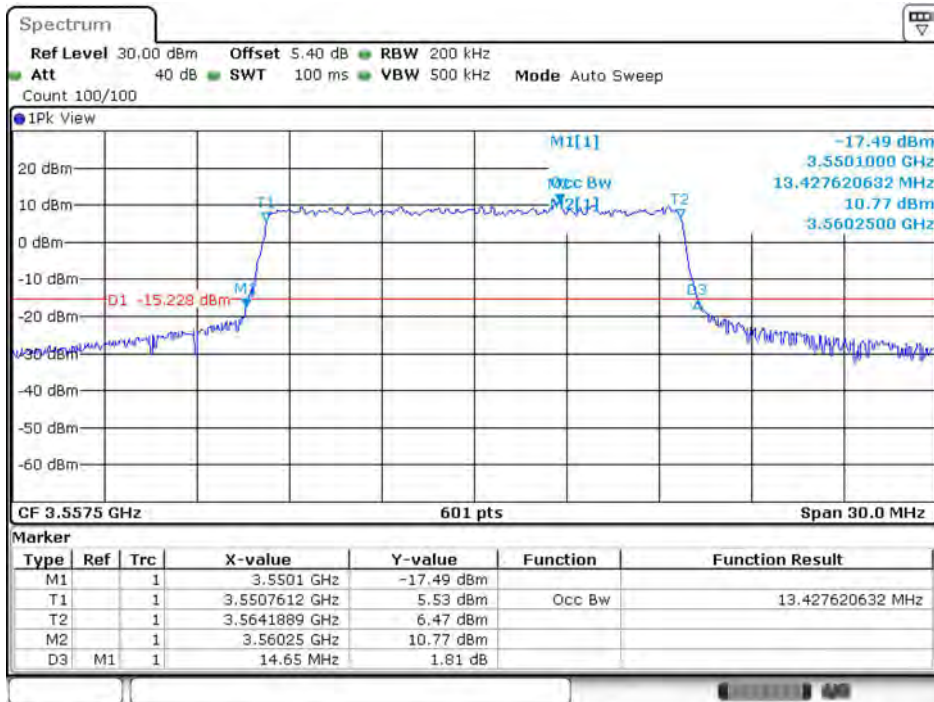
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Band48-15MHz-256QAM-55315-75RB#0



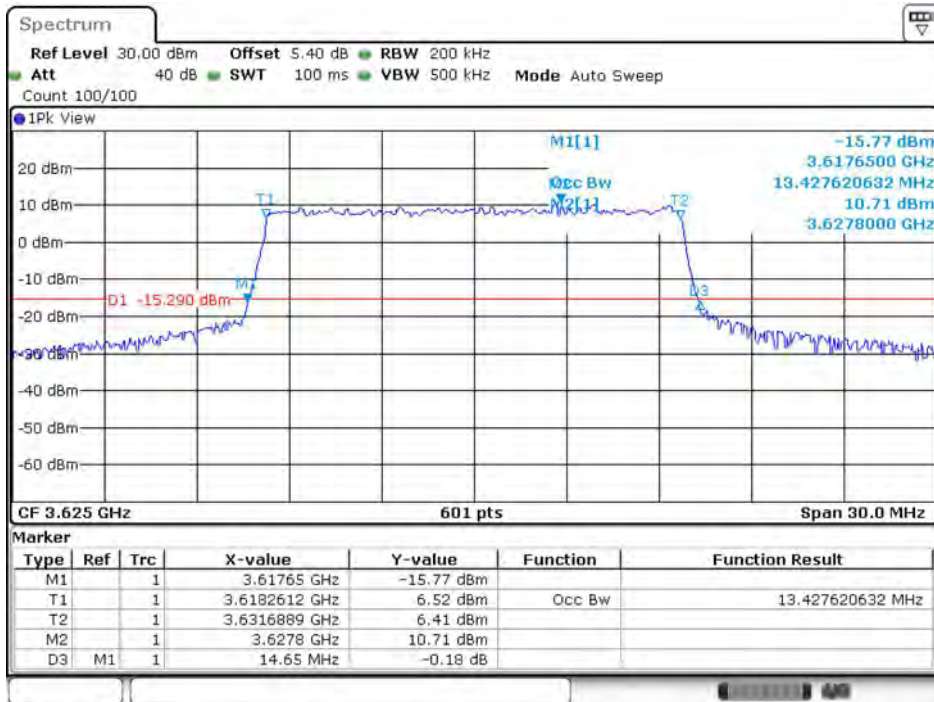
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Band48-15MHz-256QAM-55990-75RB#0



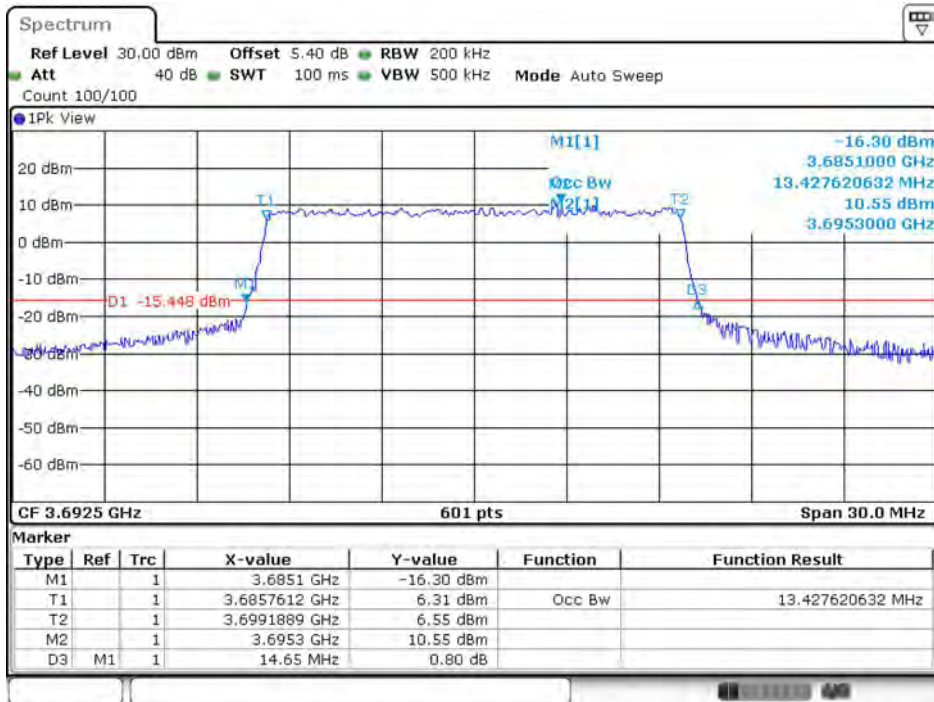
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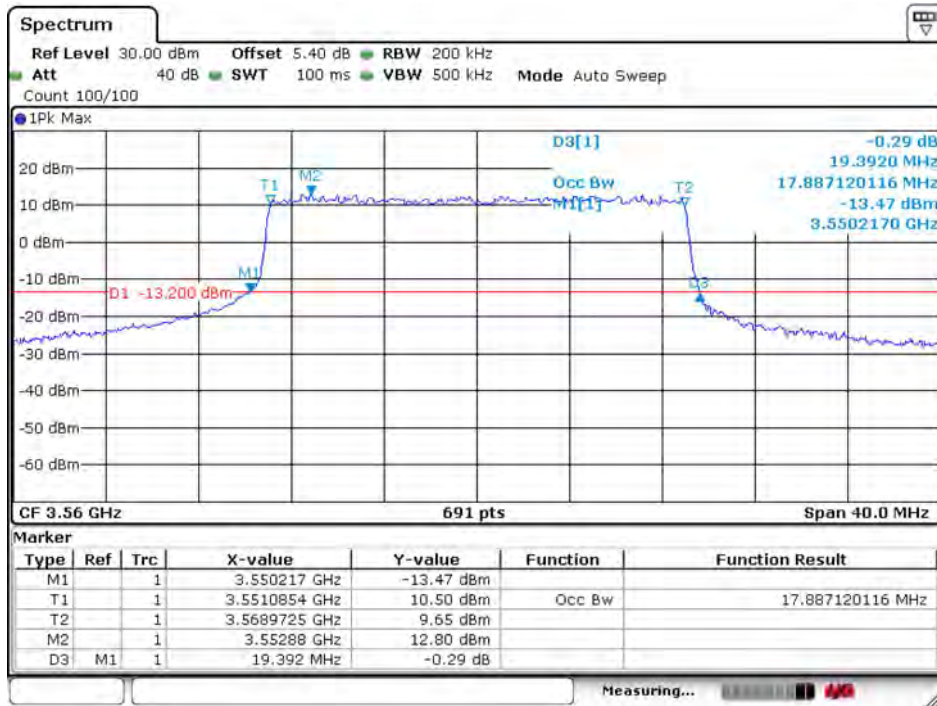
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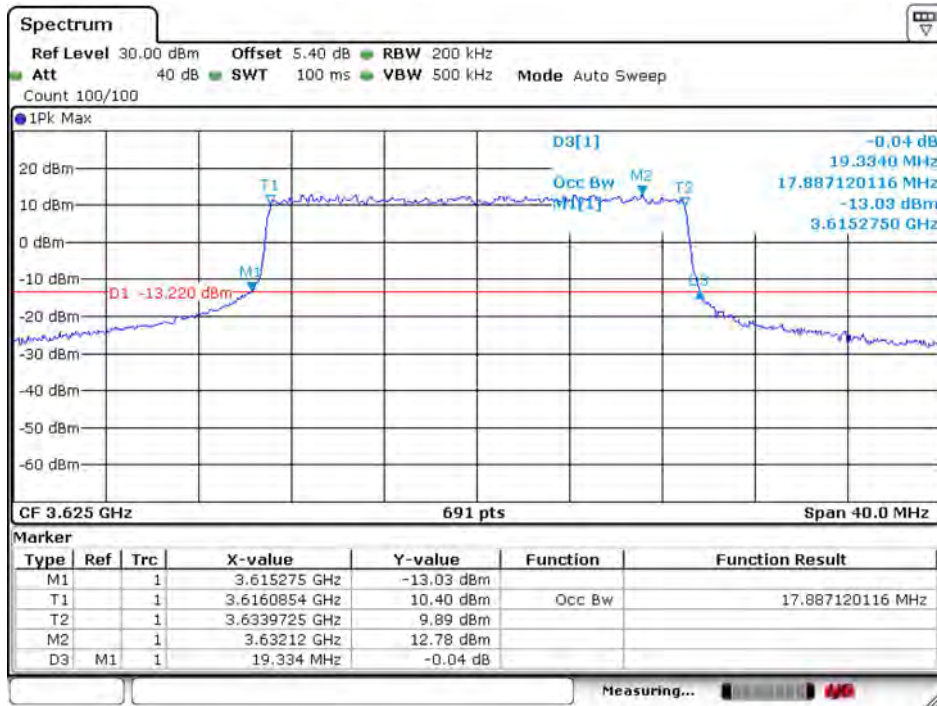
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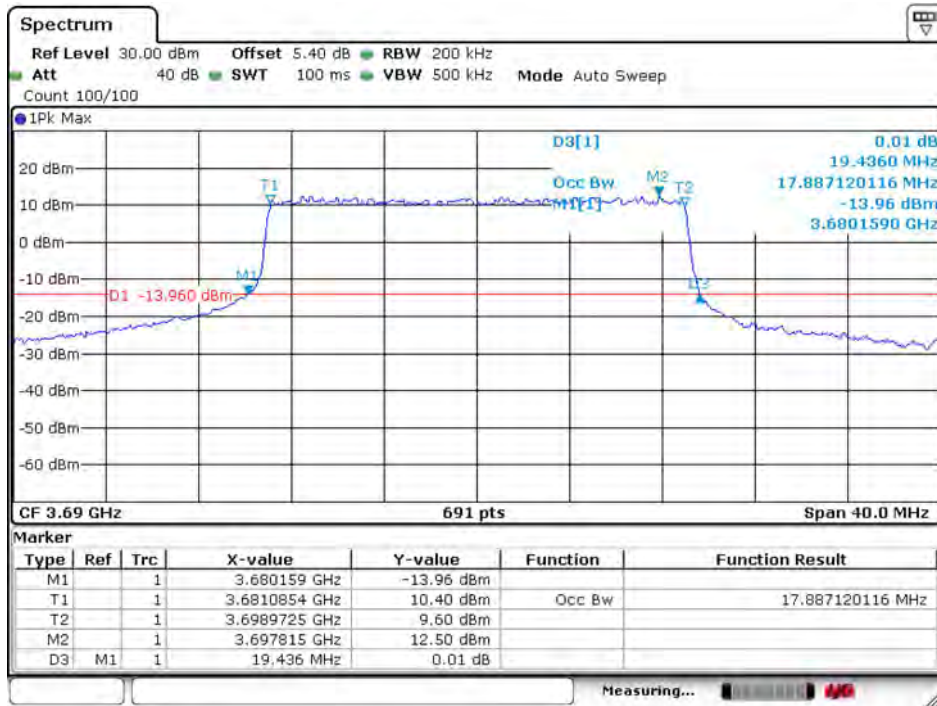


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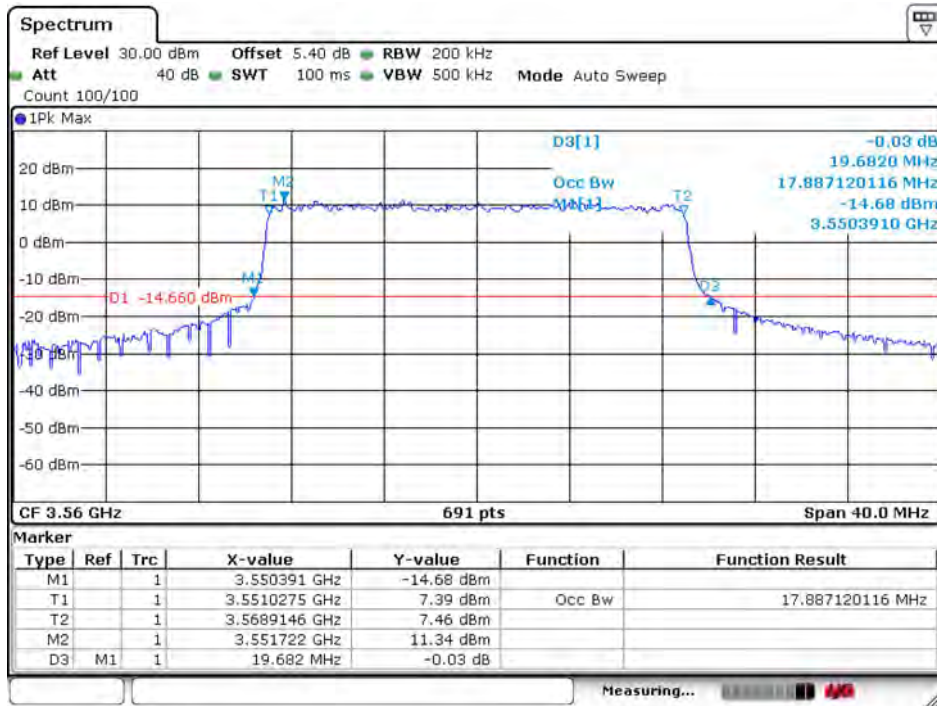
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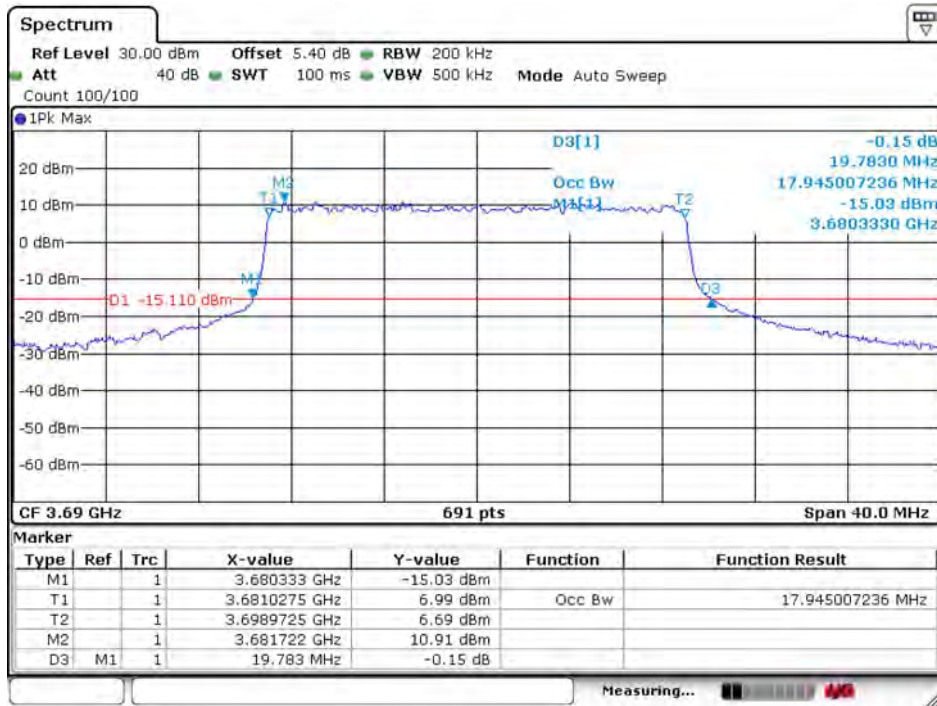


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Band48-20MHz-64QAM-56640-100RB#0



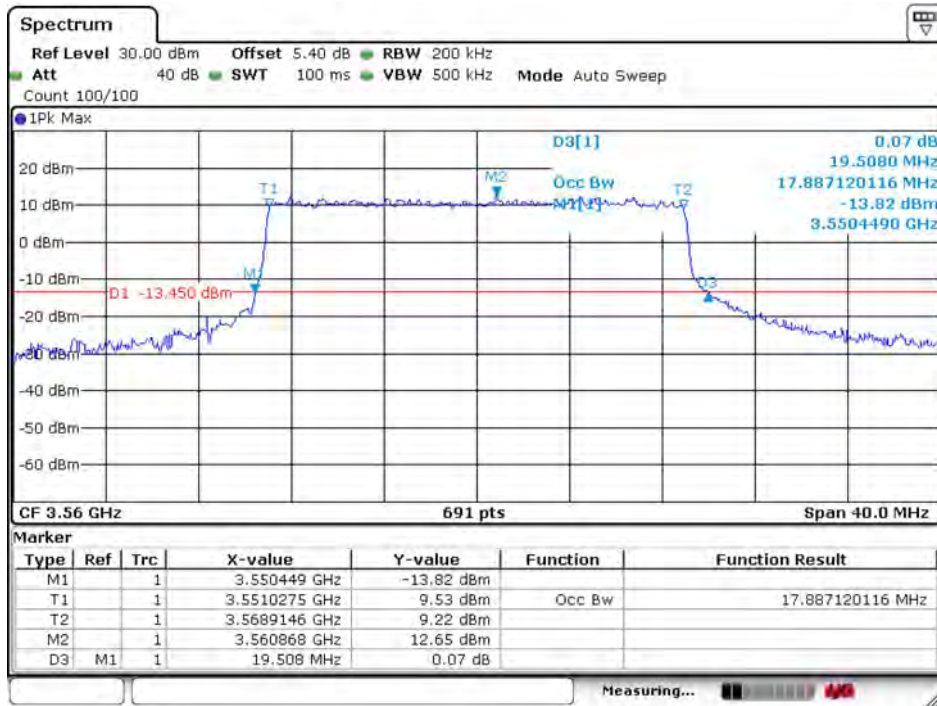
Date: 27.MAY.2021 08:03:23



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



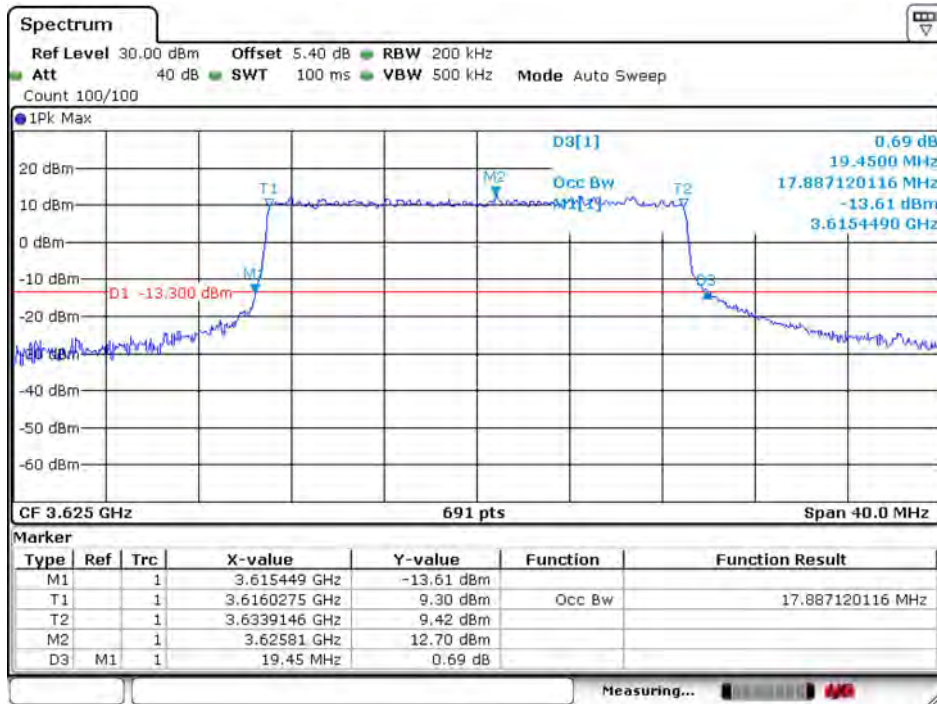
Date: 27.MAY.2021 07:42:01



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



Date: 27.MAY.2021 21:28:49

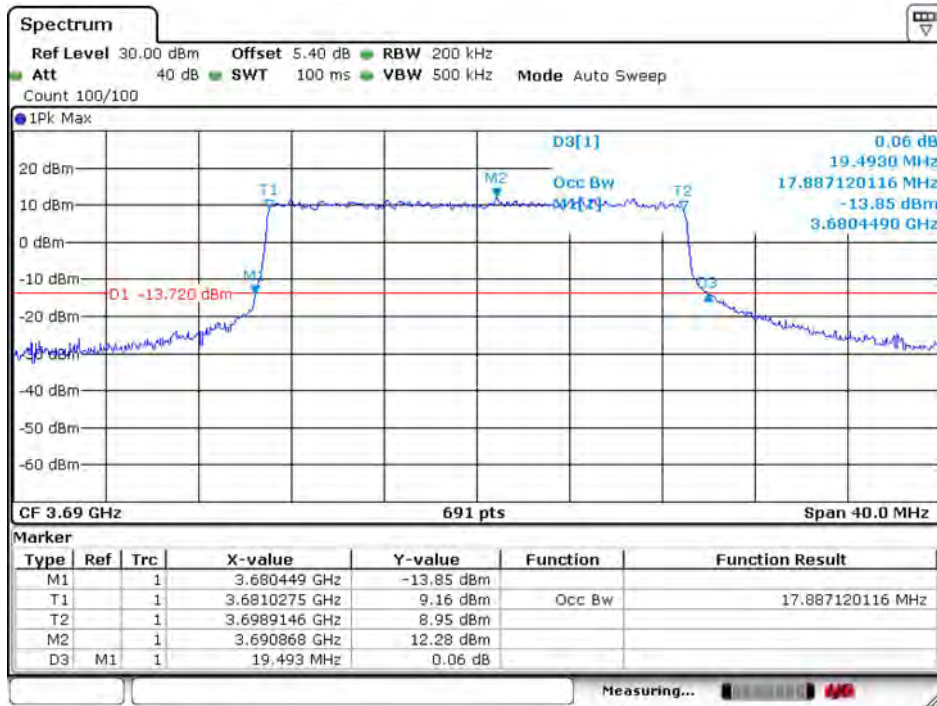


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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



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



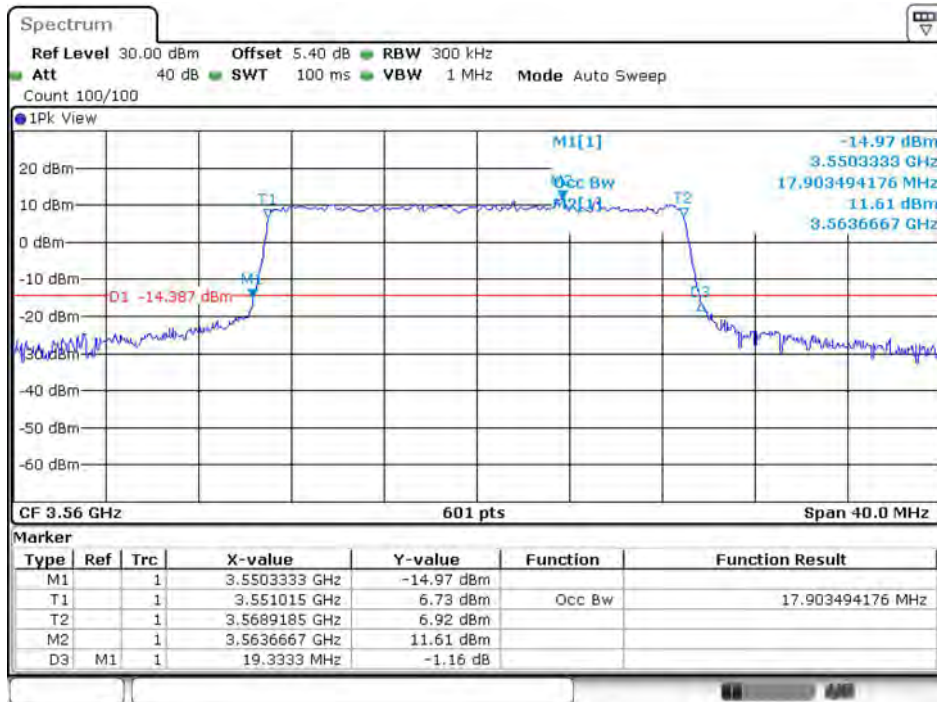
Date: 27.MAY.2021 08:01:59



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



Date: 7.MAY.2021 04:25:11



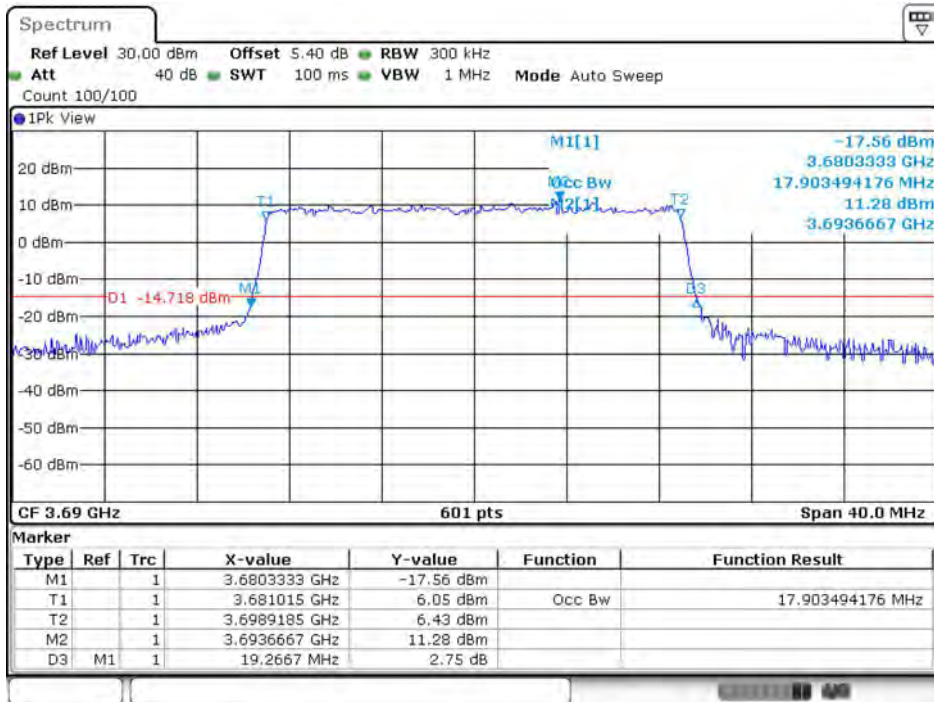
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Band48-20MHz-256QAM-56640-100RB#0



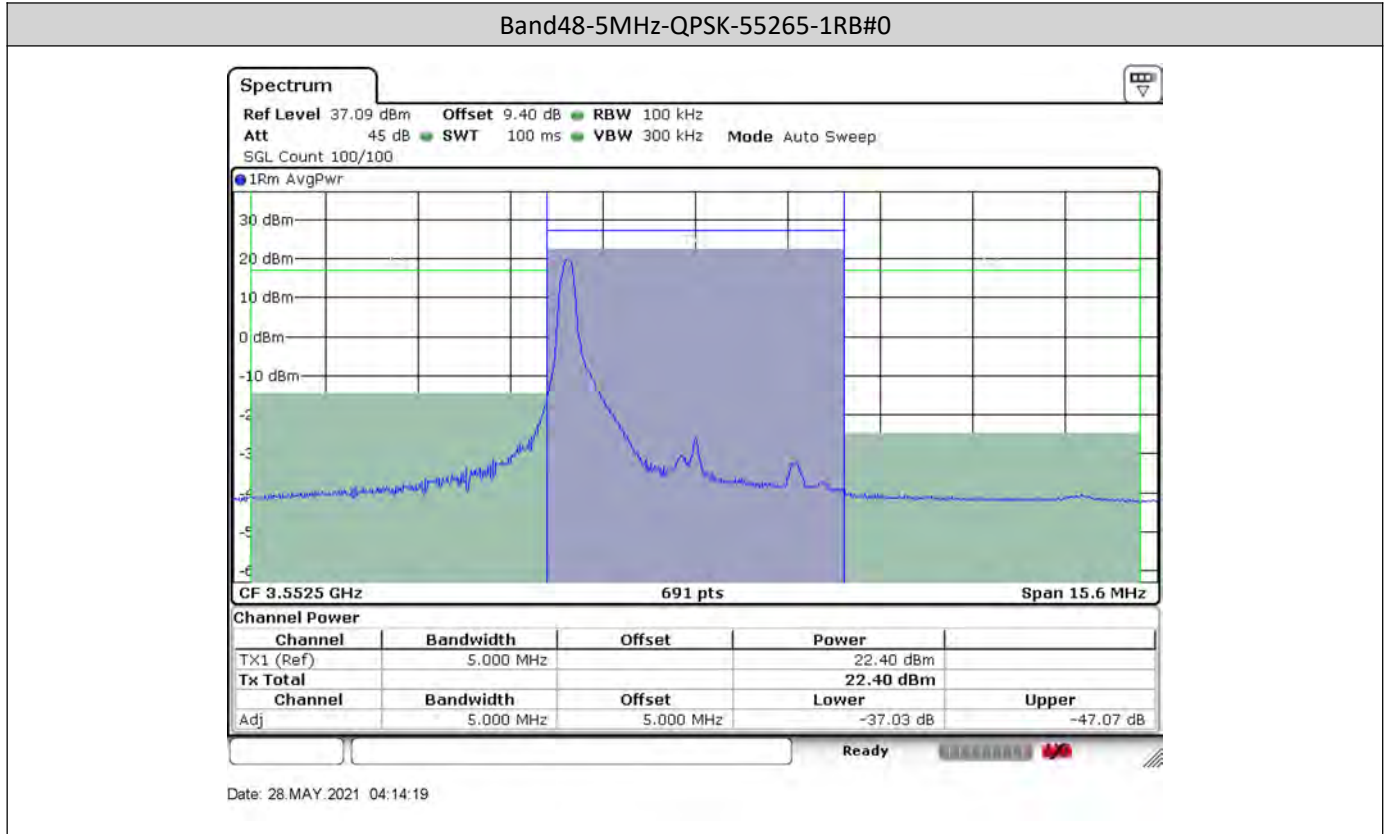
Date: 7.MAY 2021 04:26:10



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## 5. Adjacent Channel Leakage Power

### 5.1. Test Plots

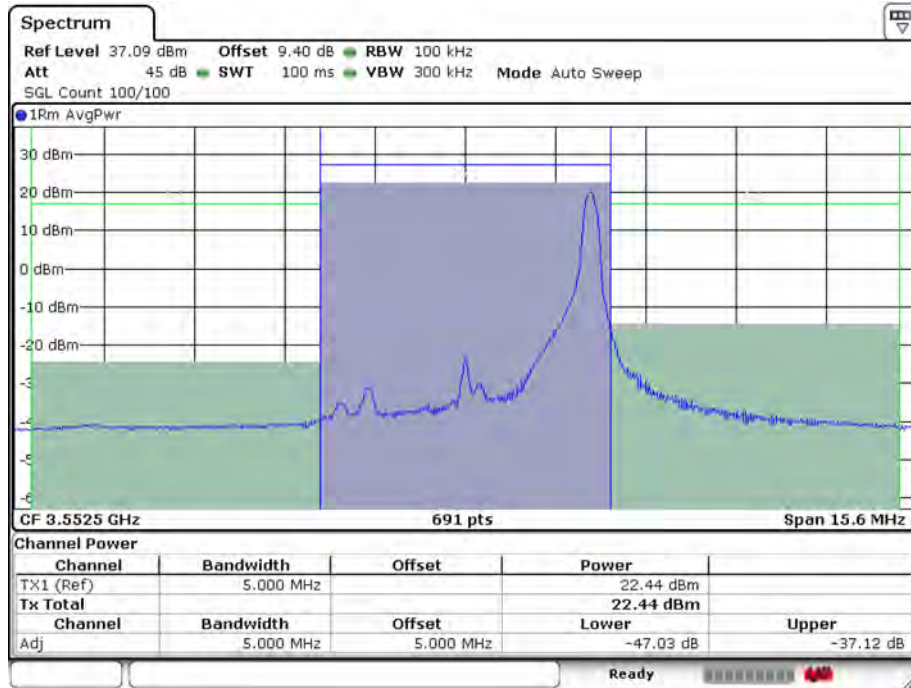


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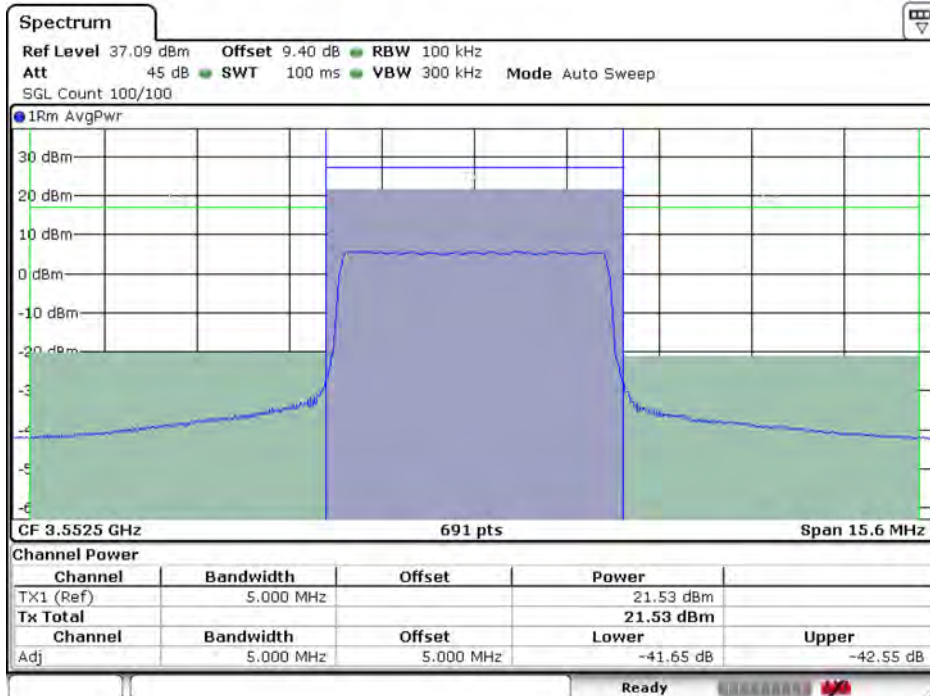
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**Band48-5MHz-QPSK-55265-1RB#24**



Date: 28.MAY.2021 04:13:51

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

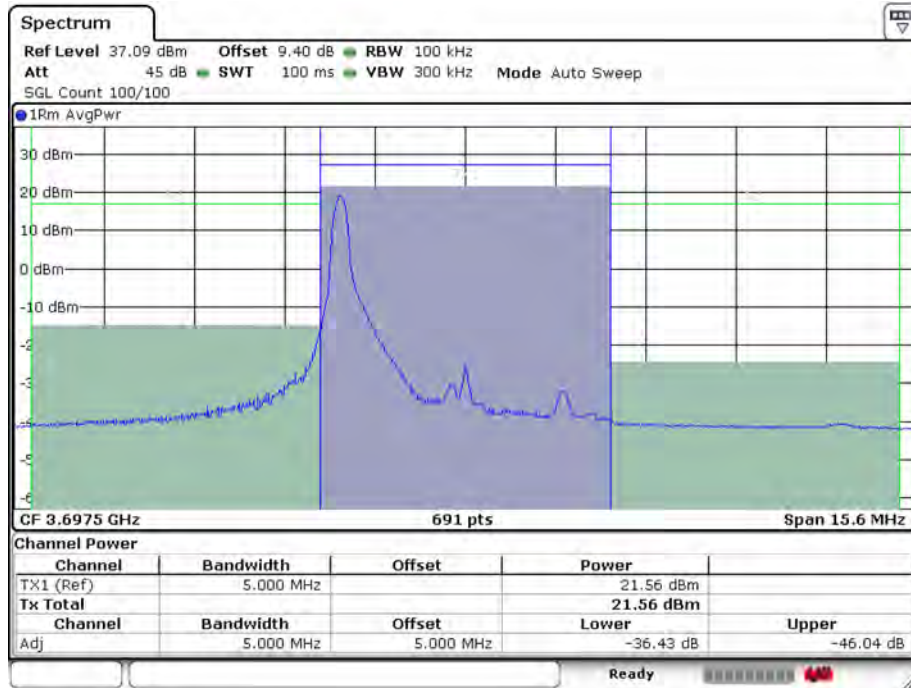


Date: 28.MAY.2021 04:14:44



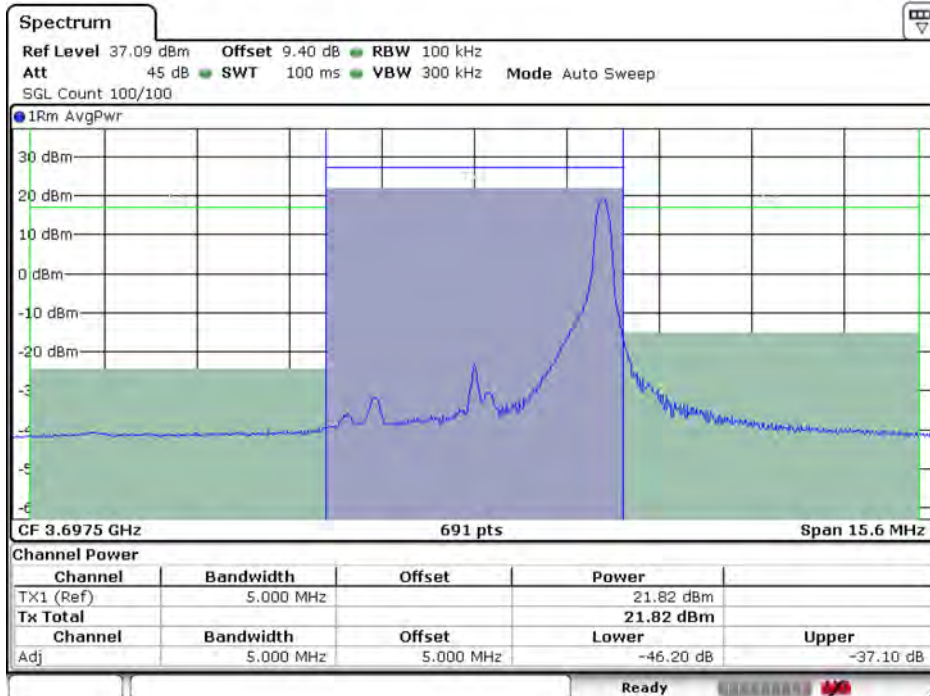
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**Band48-5MHz-QPSK-56715-1RB#0**



Date: 28.MAY.2021 04:12:34

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



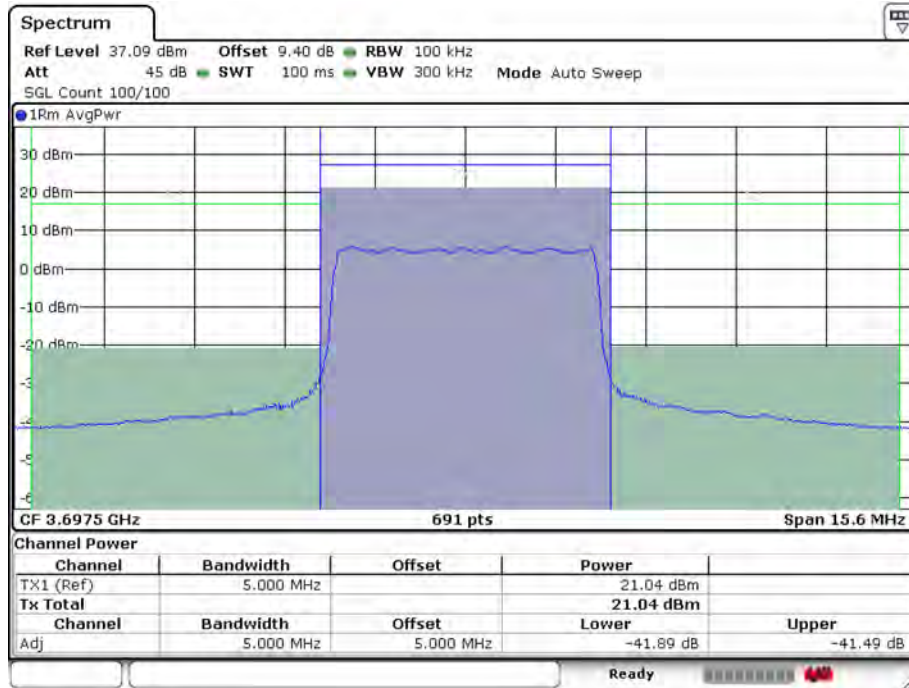
Date: 28.MAY.2021 04:13:18



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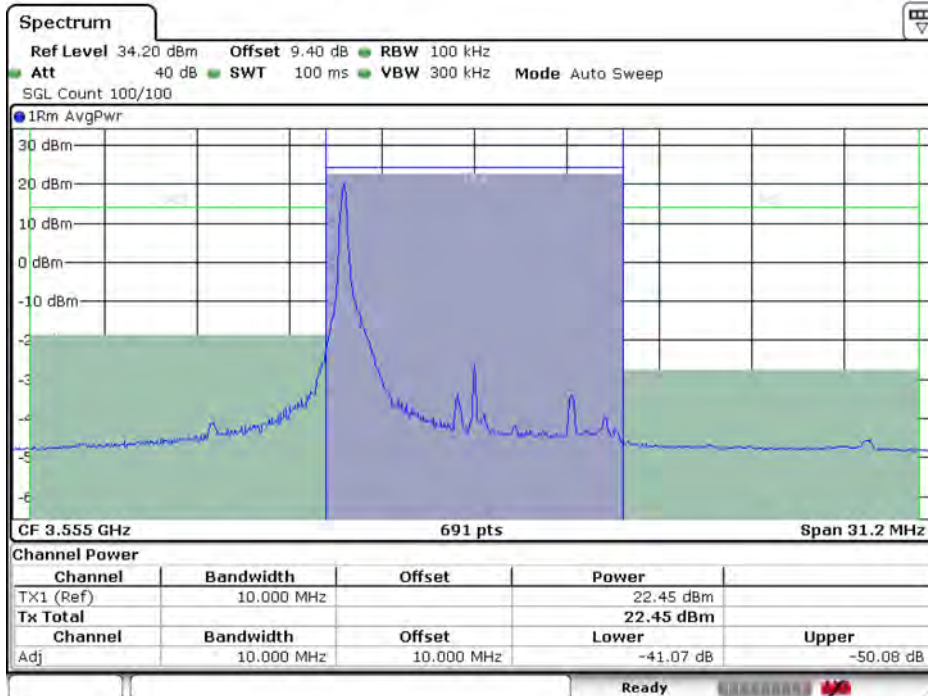
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**Band48-5MHz-QPSK-56715-25RB#0**



Date: 28.MAY.2021 04:12:55

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

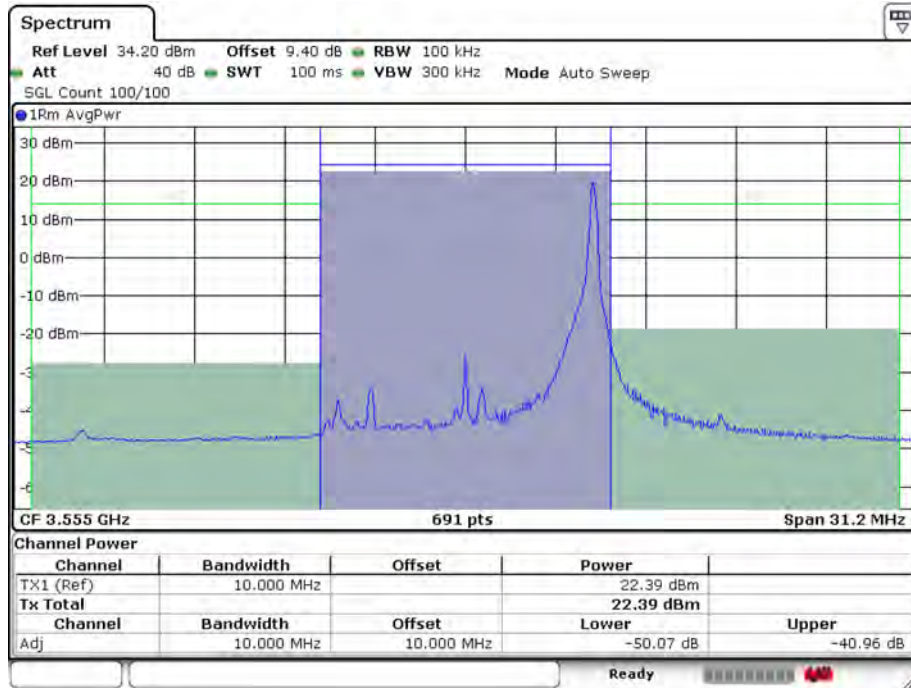


Date: 28.MAY.2021 04:16:46



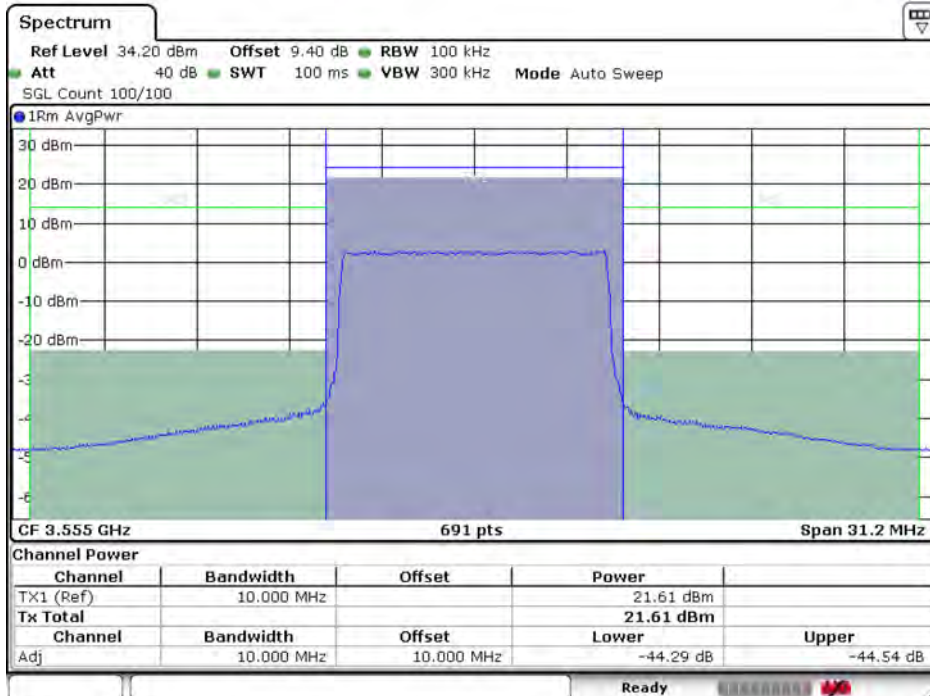
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**Band48-10MHz-QPSK-55290-1RB#49**



Date: 28.MAY.2021 04:17:09

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

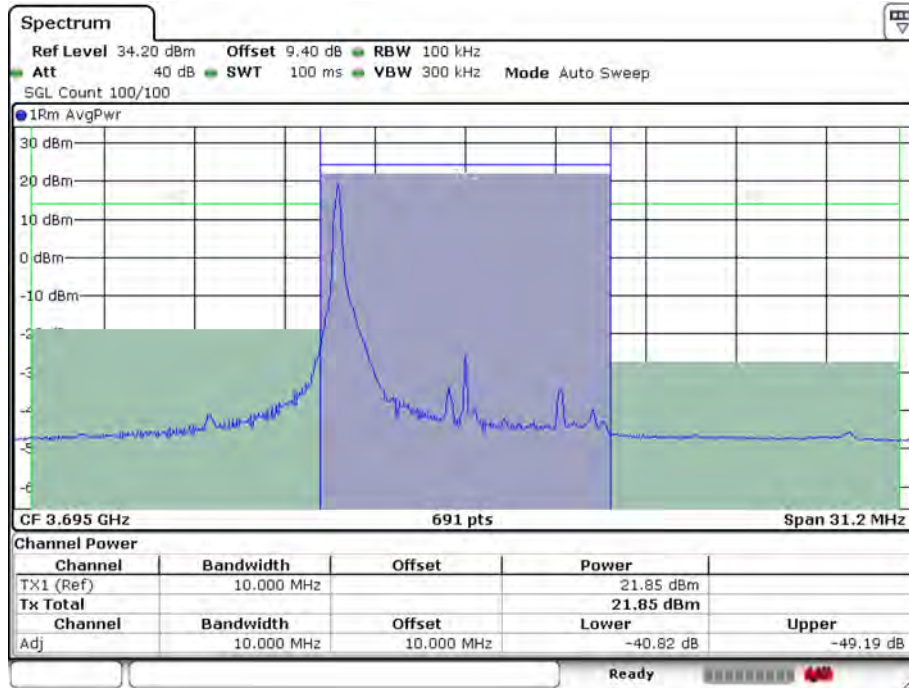


Date: 28.MAY.2021 04:15:36



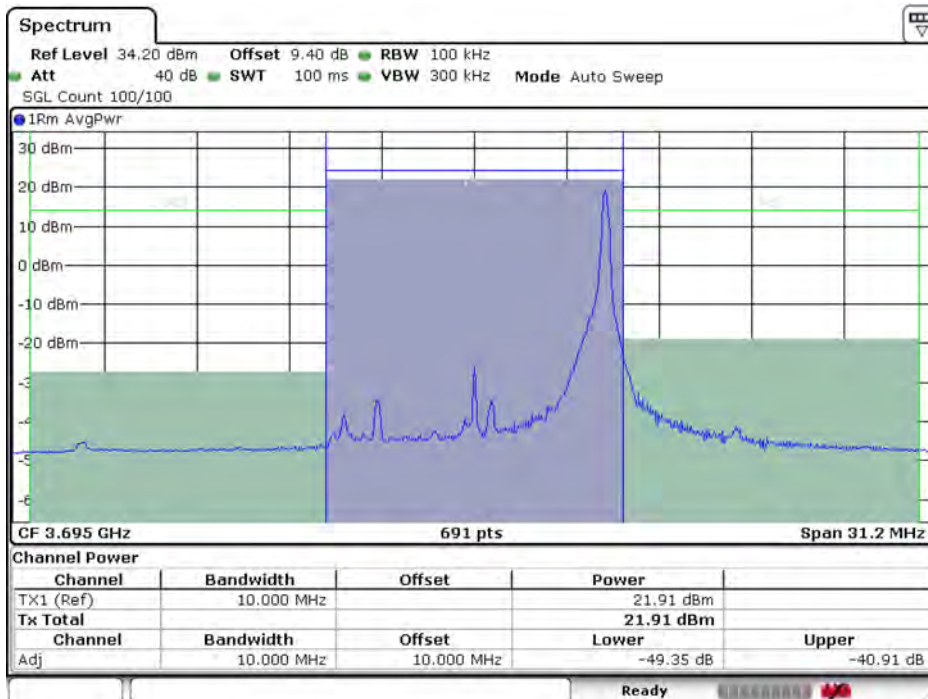
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**Band48-10MHz-QPSK-56690-1RB#0**



Date: 28.MAY.2021 04:18:02

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

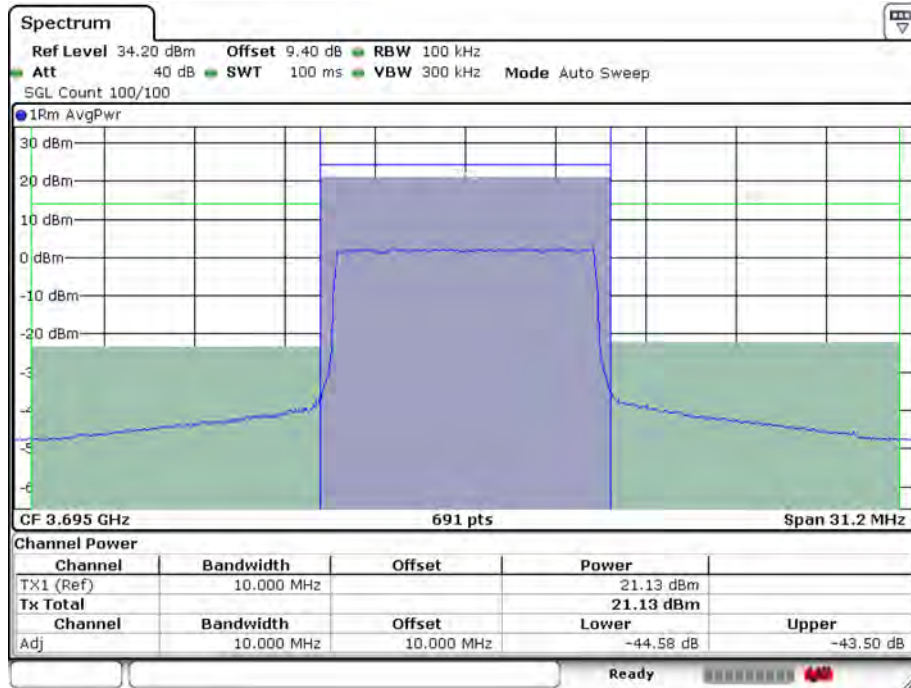


Date: 28.MAY.2021 04:17:40



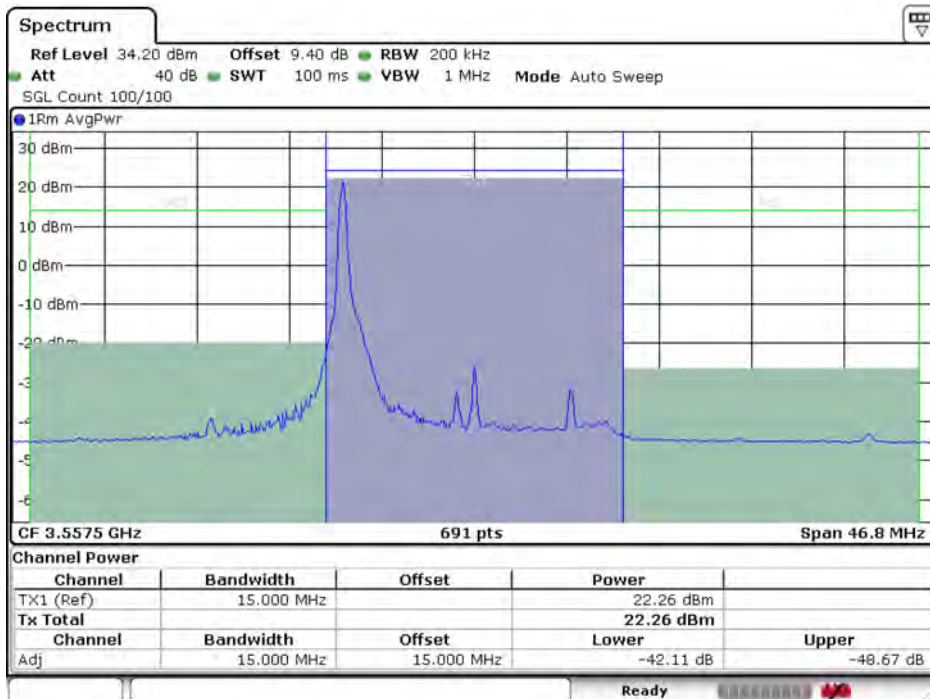
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**Band48-10MHz-QPSK-56690-50RB#0**



Date: 28.MAY.2021 04:18:27

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



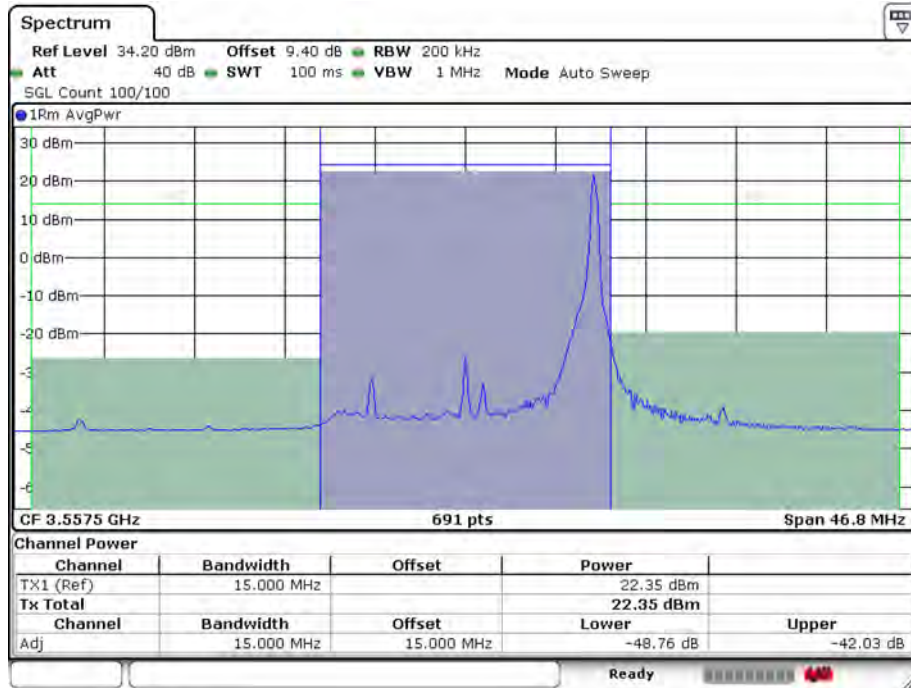
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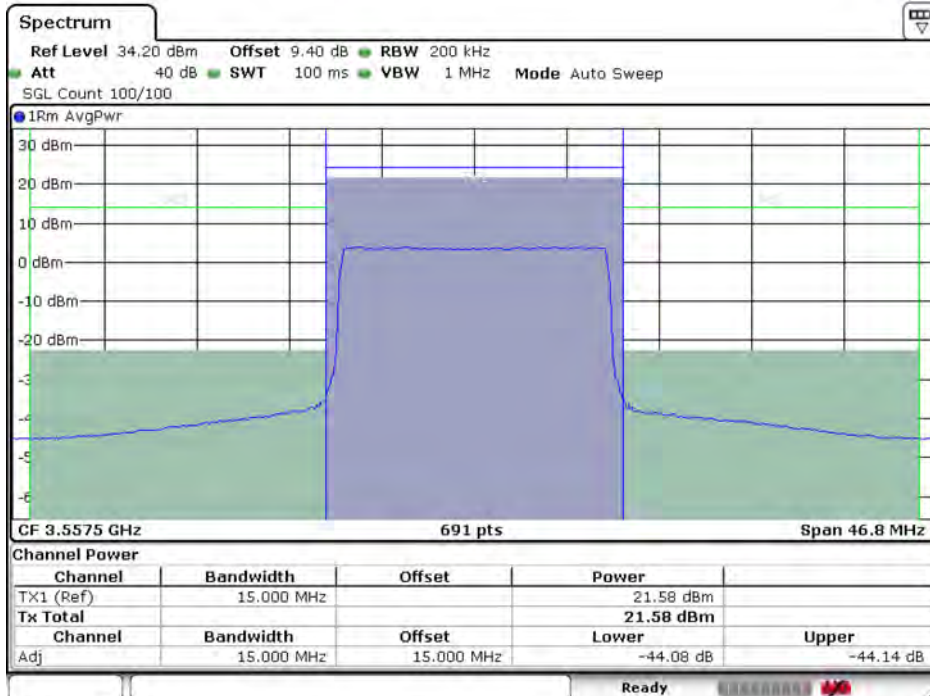


**Band48-15MHz-QPSK-55315-1RB#74**



Date: 28.MAY.2021 04:21:16

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

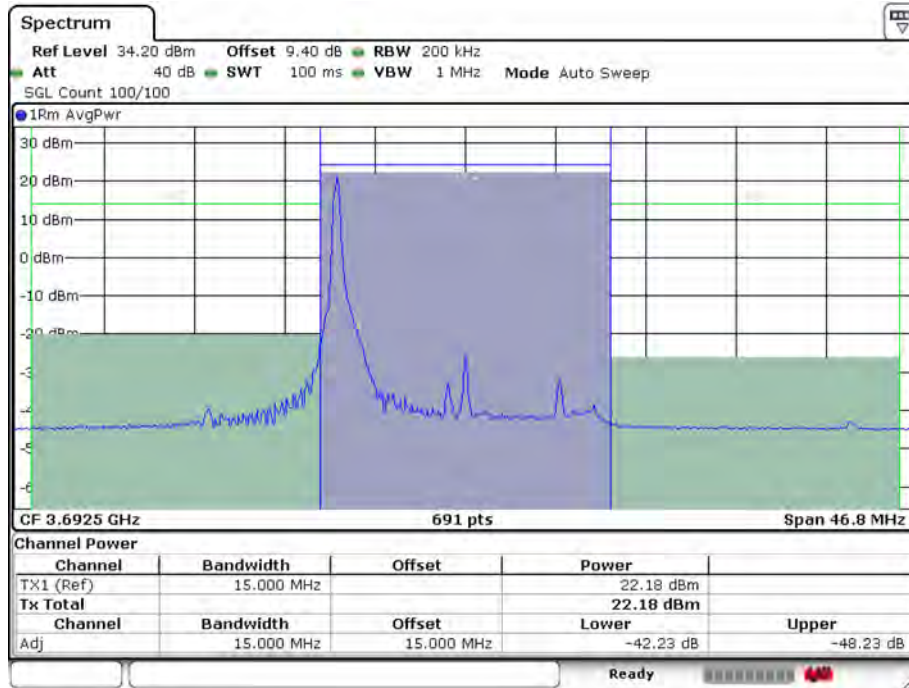


Date: 28.MAY.2021 04:19:47



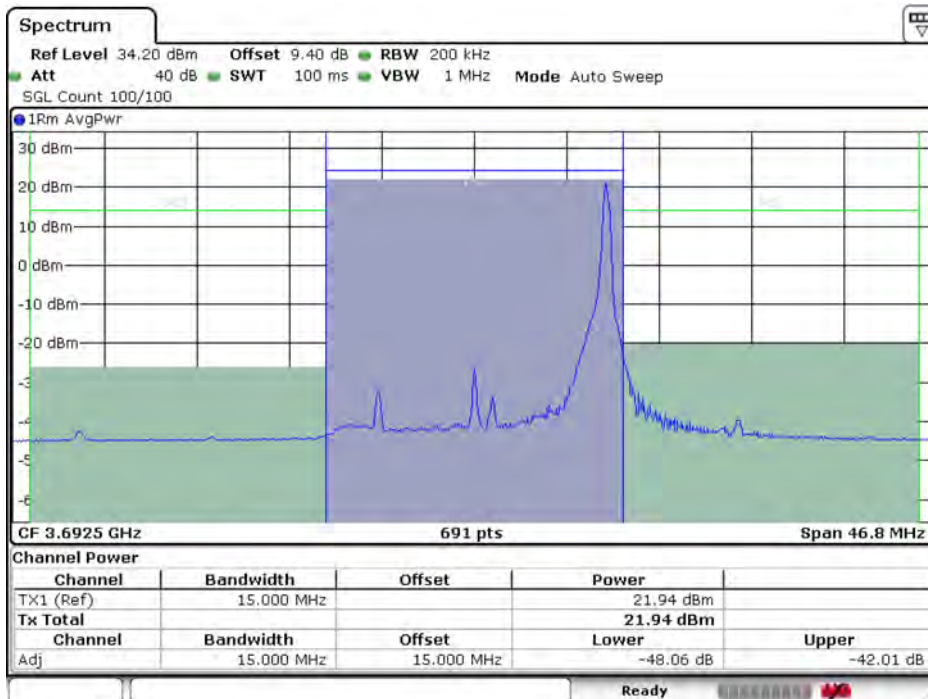
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**Band48-15MHz-QPSK-56665-1RB#0**



Date: 28.MAY.2021 04:22:46

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

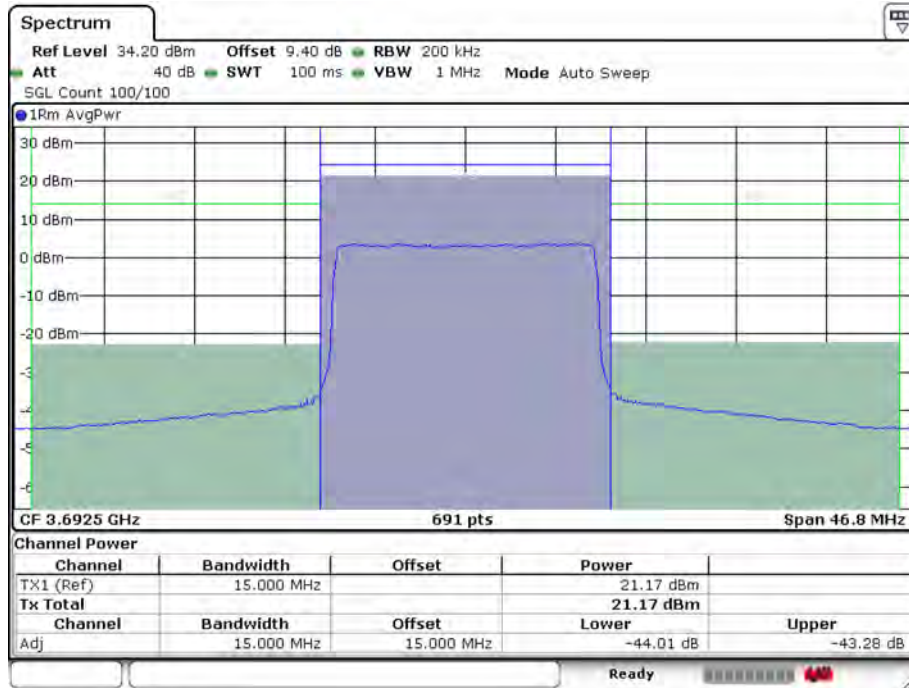


Date: 28.MAY.2021 04:22:04



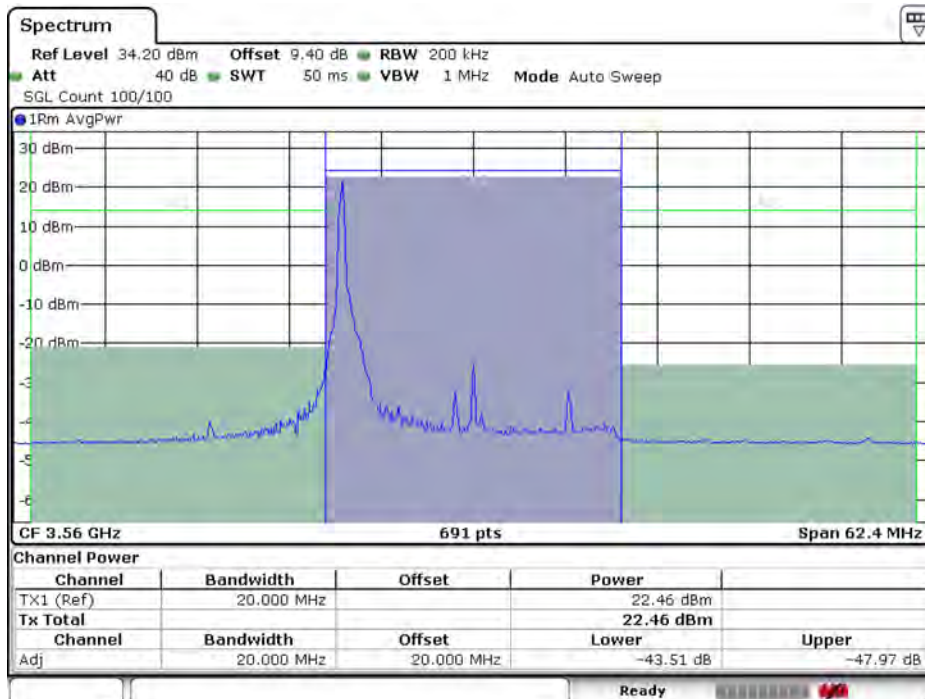
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**Band48-15MHz-QPSK-56665-75RB#0**



Date: 28.MAY.2021 04:23:36

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

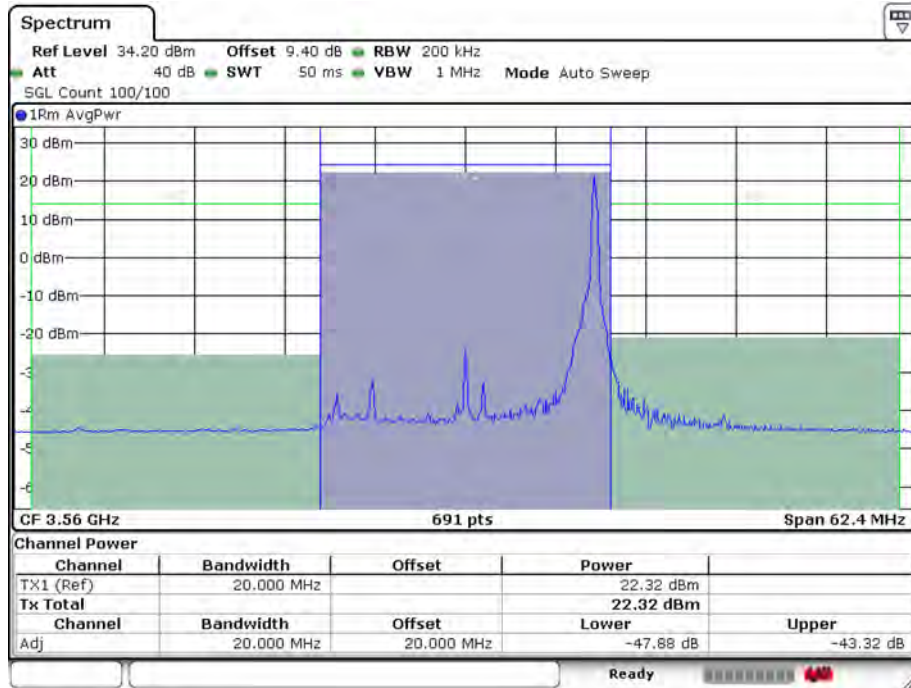


Date: 28.MAY.2021 04:26:22



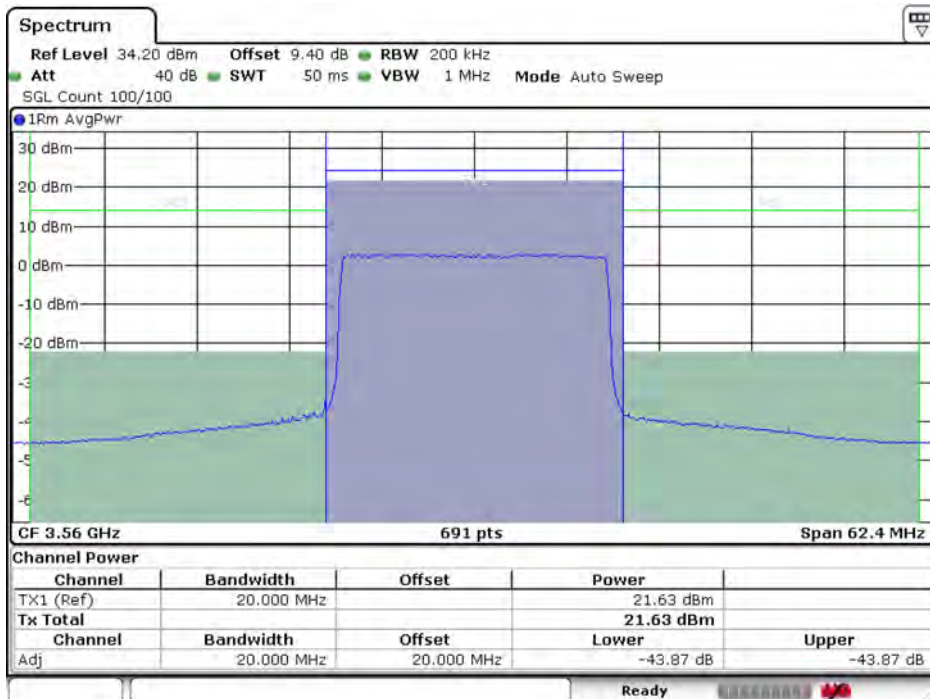
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**Band48-20MHz-QPSK-55340-1RB#99**



Date: 28.MAY.2021 04:27:26

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

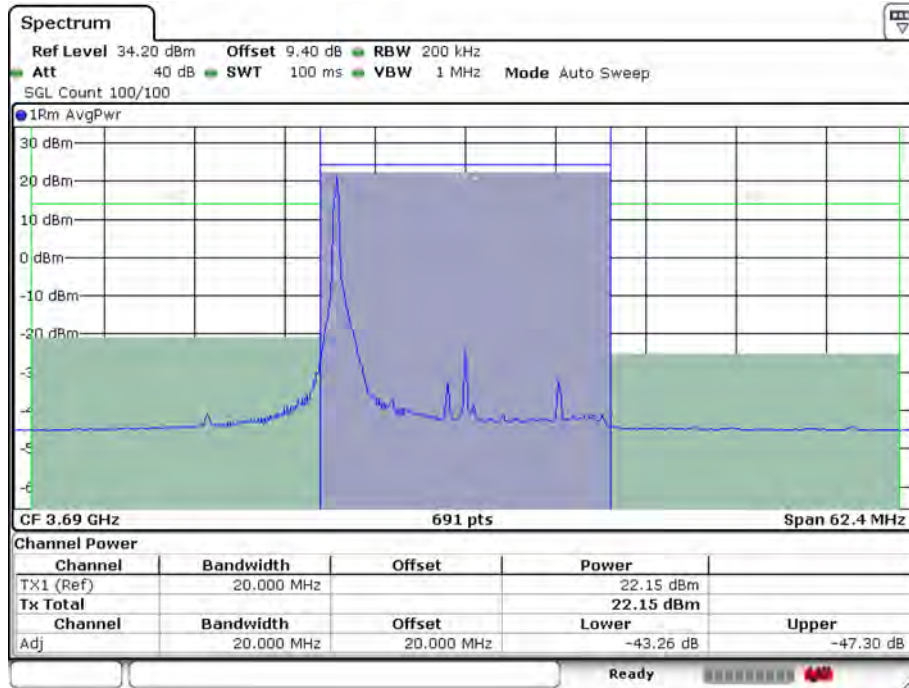


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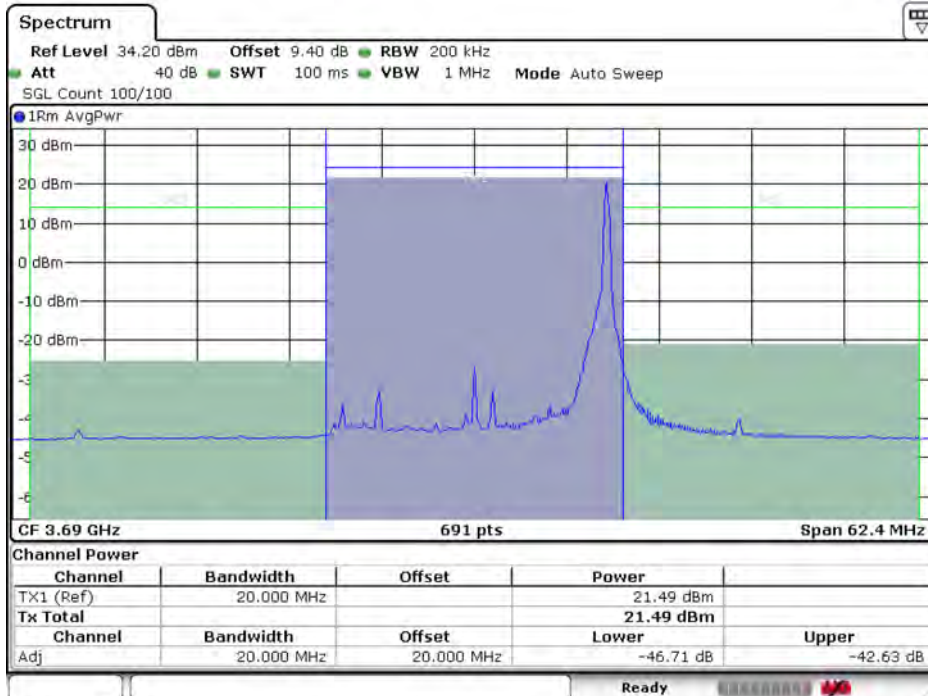
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**Band48-20MHz- QPSK -56640-1RB#0**



Date: 28.MAY.2021 04:25:25

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



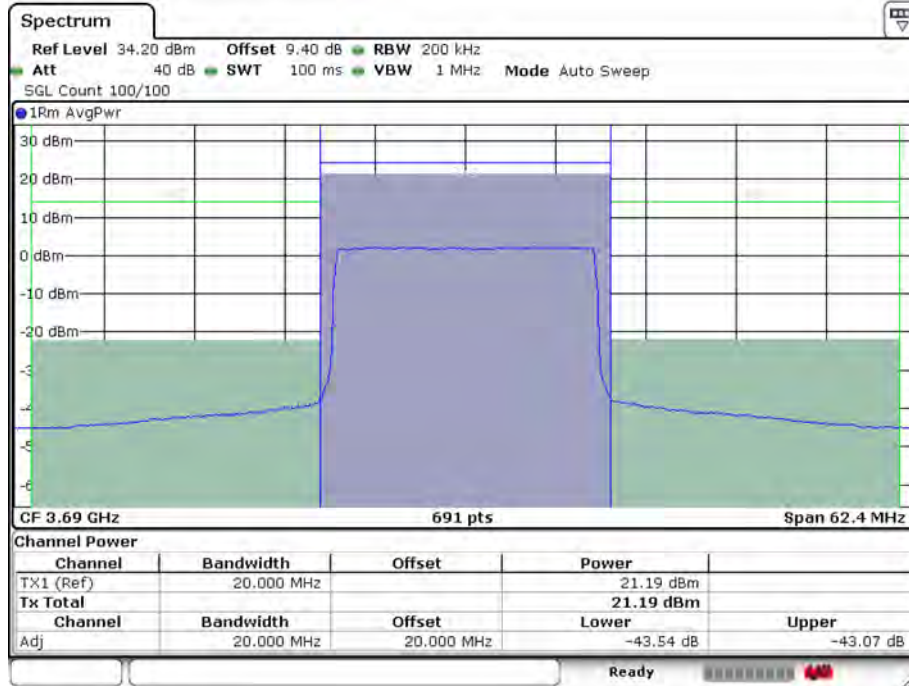
Date: 28.MAY.2021 04:25:01



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



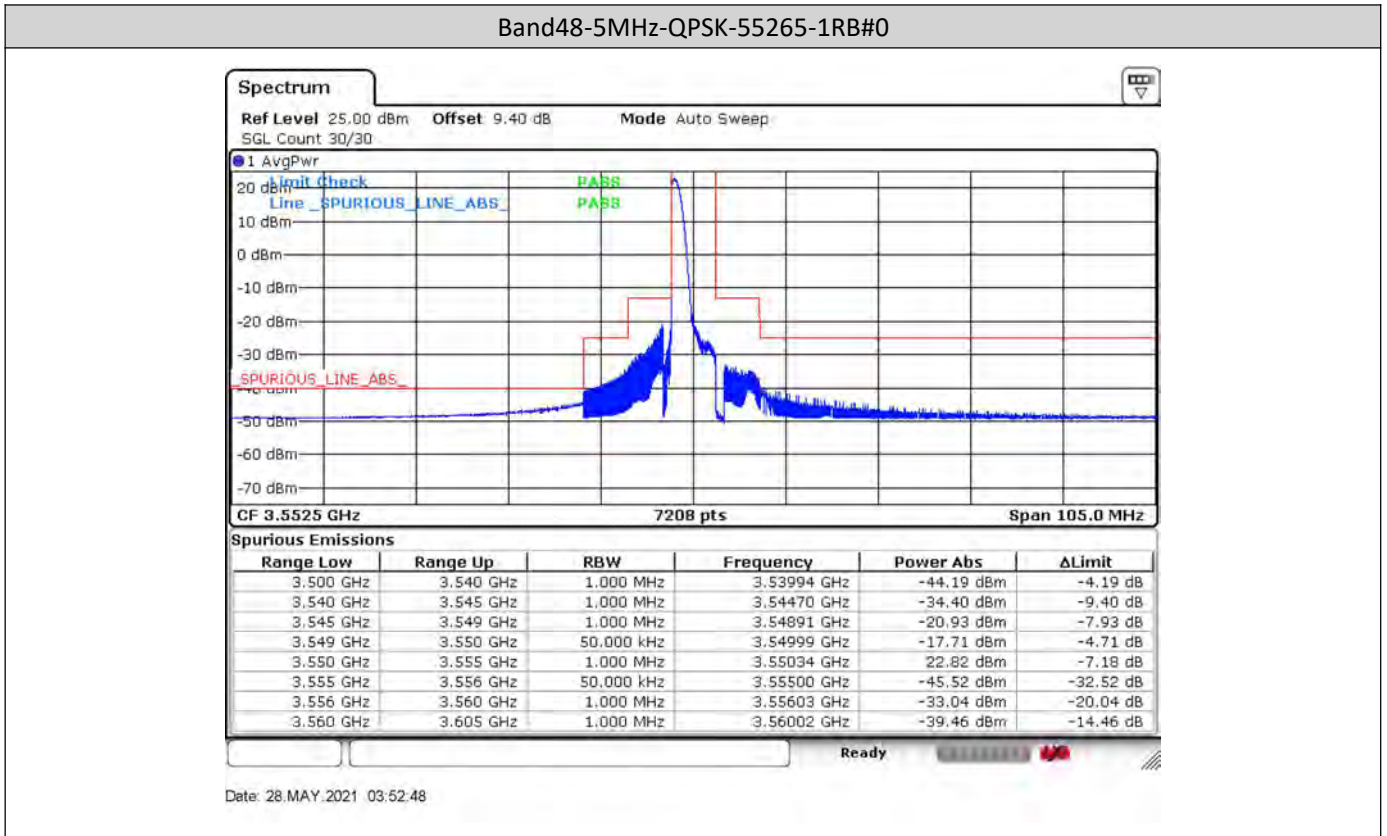
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## 6. Band Edge Compliance

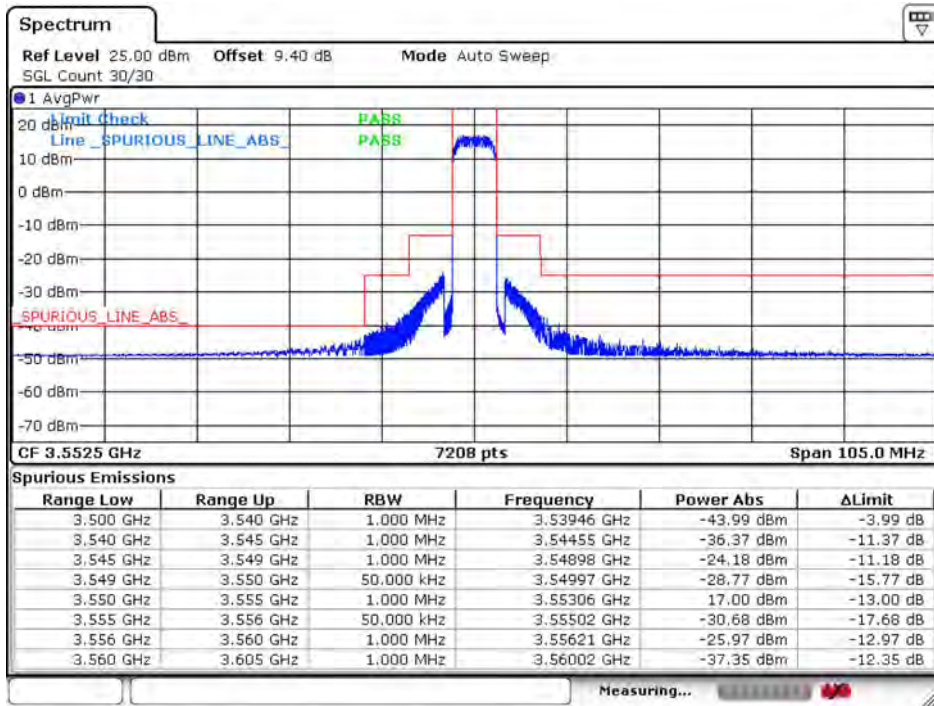
### 6.1. Test Plots



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



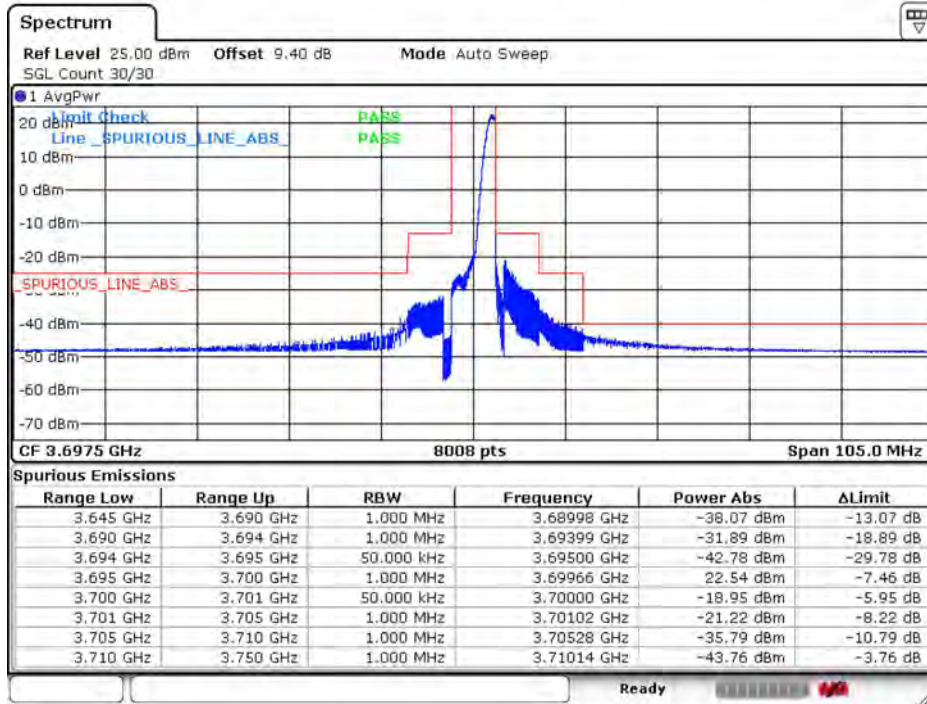
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Band48-5MHz-QPSK-56715-1RB#24

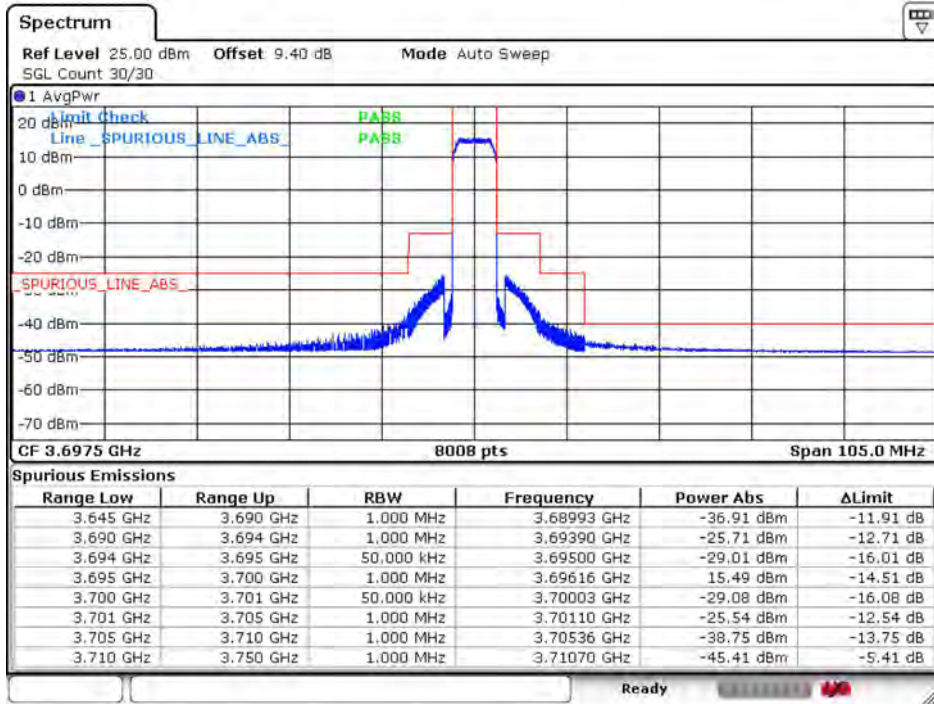


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Band48-5MHz-QPSK-56715-25RB#0

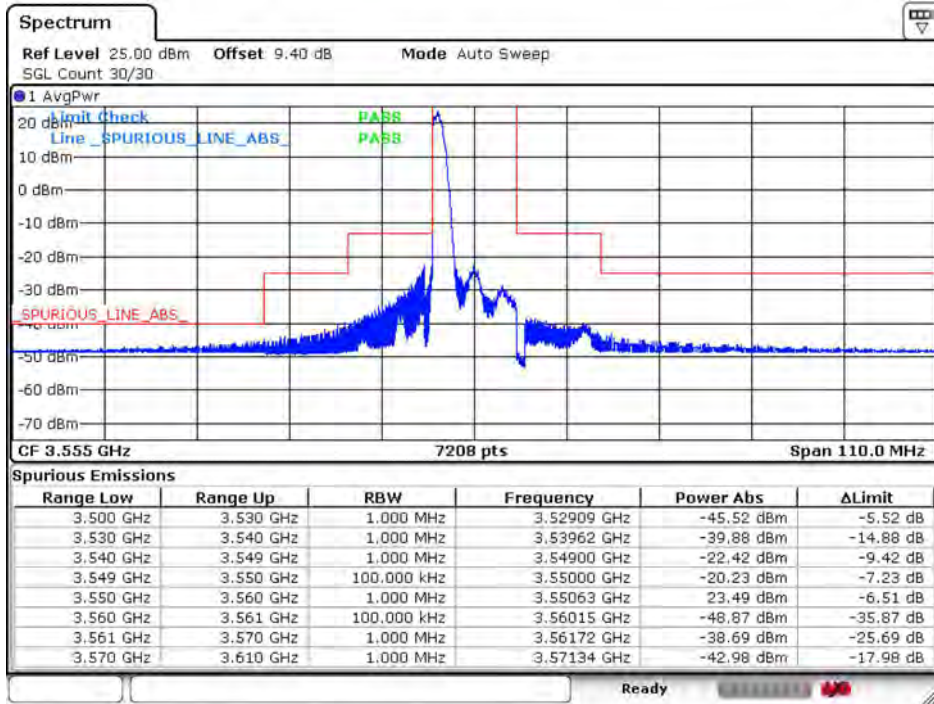


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Band48-10MHz-QPSK-55290-1RB#0



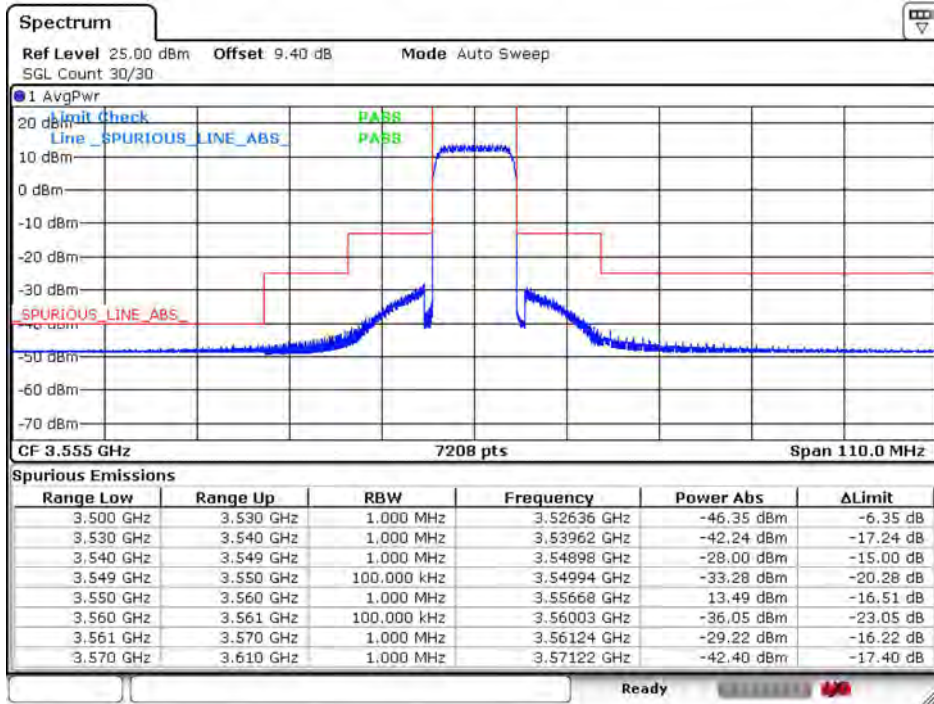
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Band48-10MHz-QPSK-55290-50RB#0

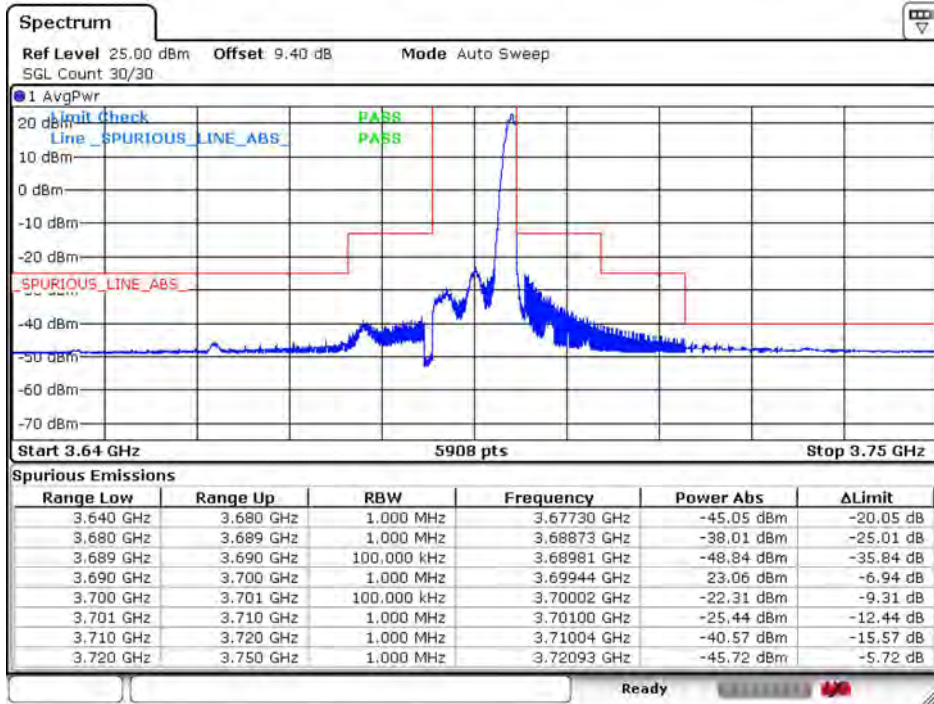


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Band48-10MHz-QPSK-56690-1RB#49



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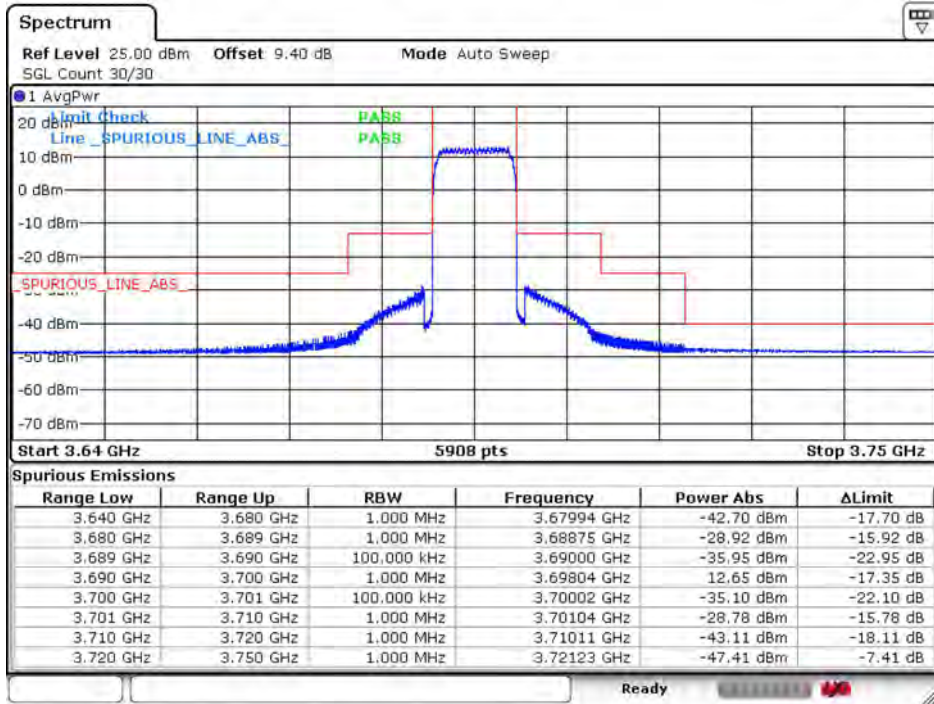


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Band48-10MHz-QPSK-56690-50RB#0

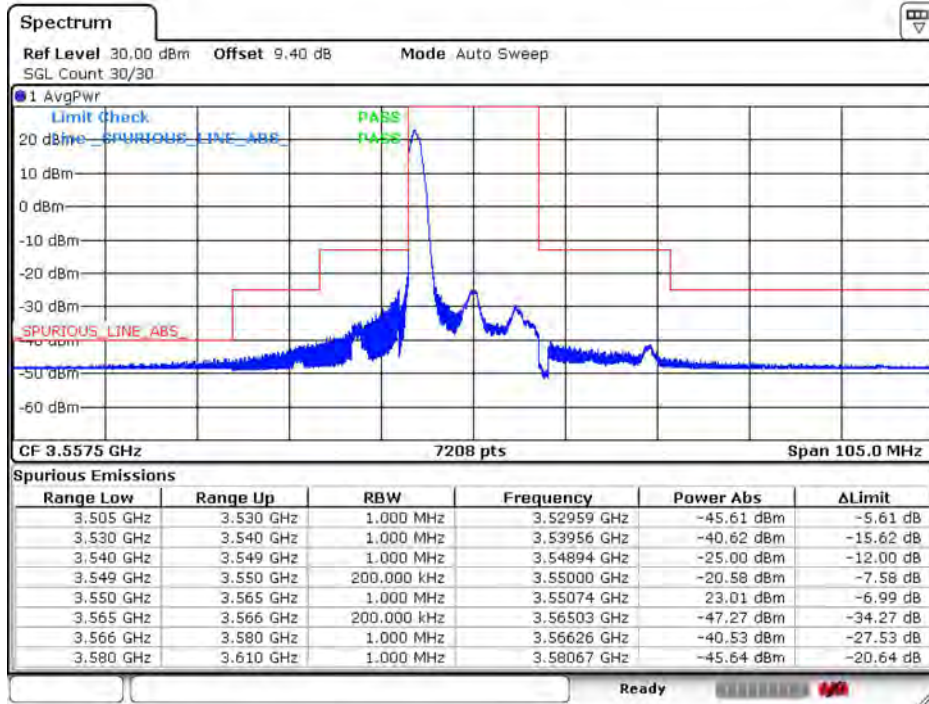


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Band48-15MHz-QPSK-55315-1RB#0

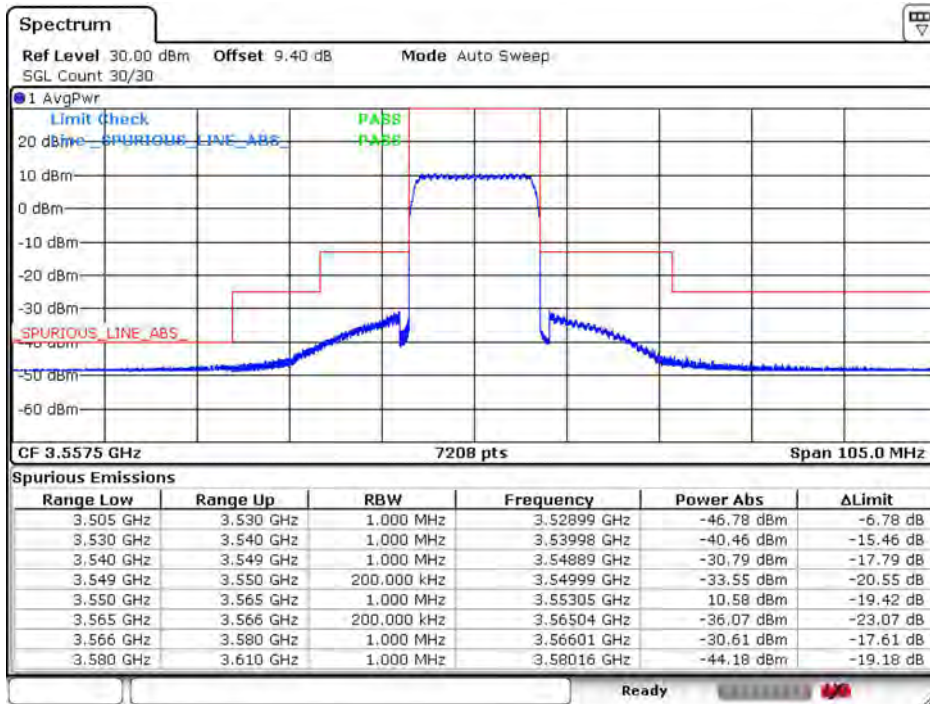


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Band48-15MHz-QPSK-55315-75RB#0



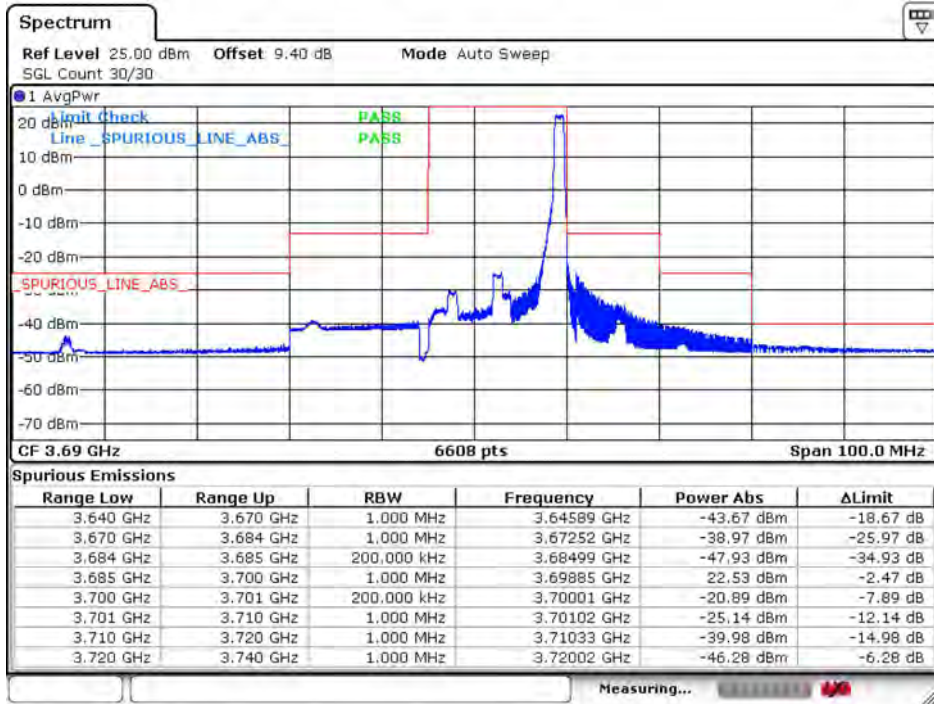
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Band48-15MHz-QPSK-56665-1RB#74



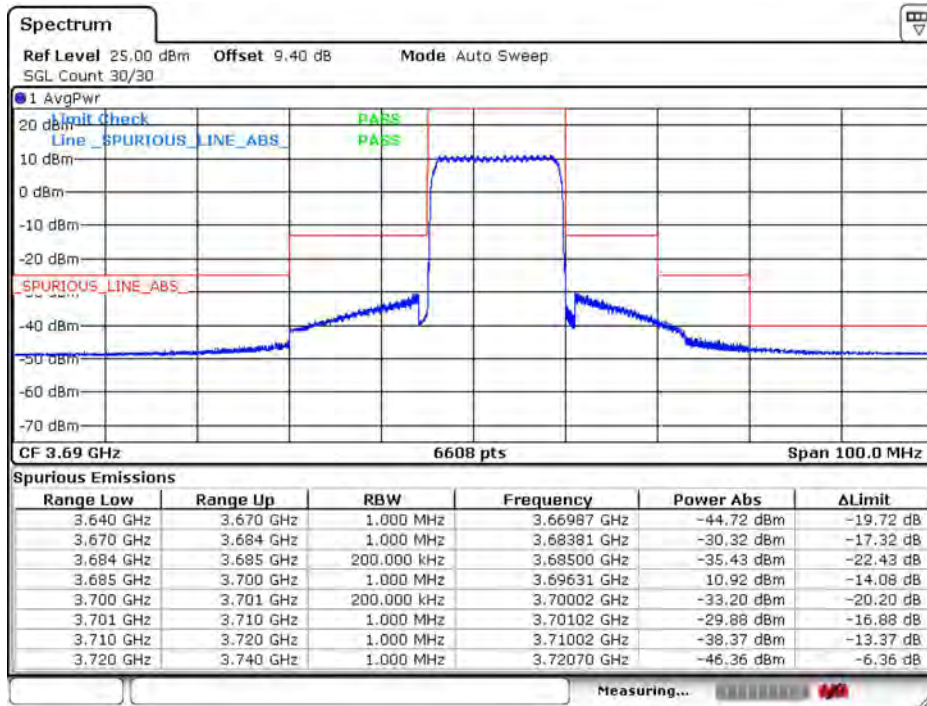
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Band48-15MHz-QPSK-56665-75RB#0



Date: 28.MAY.2021 03:13:36

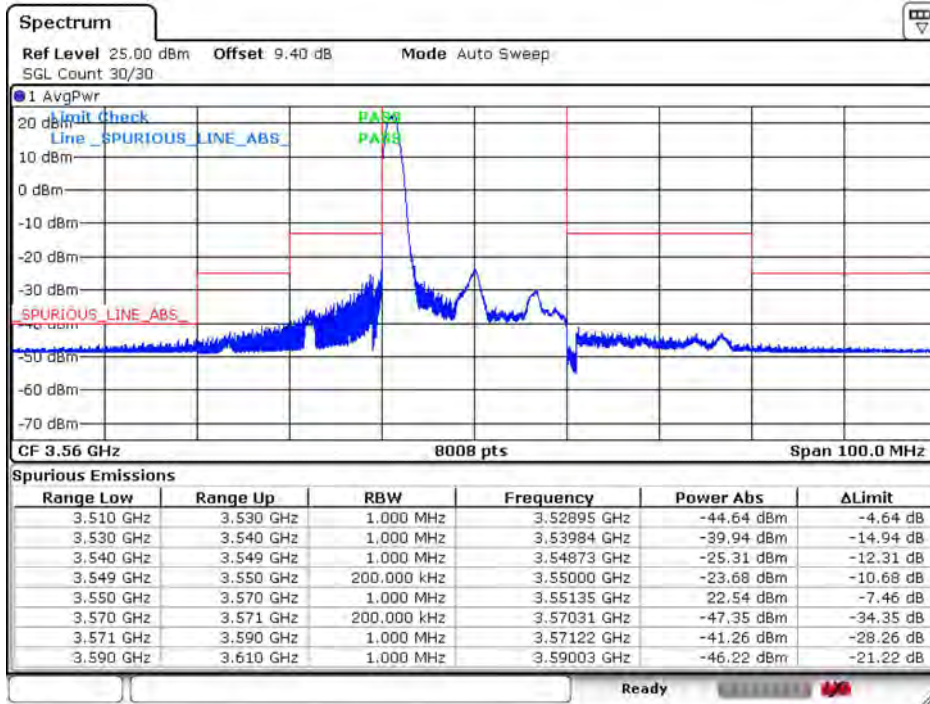


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Band48-20MHz-QPSK-55340-1RB#0

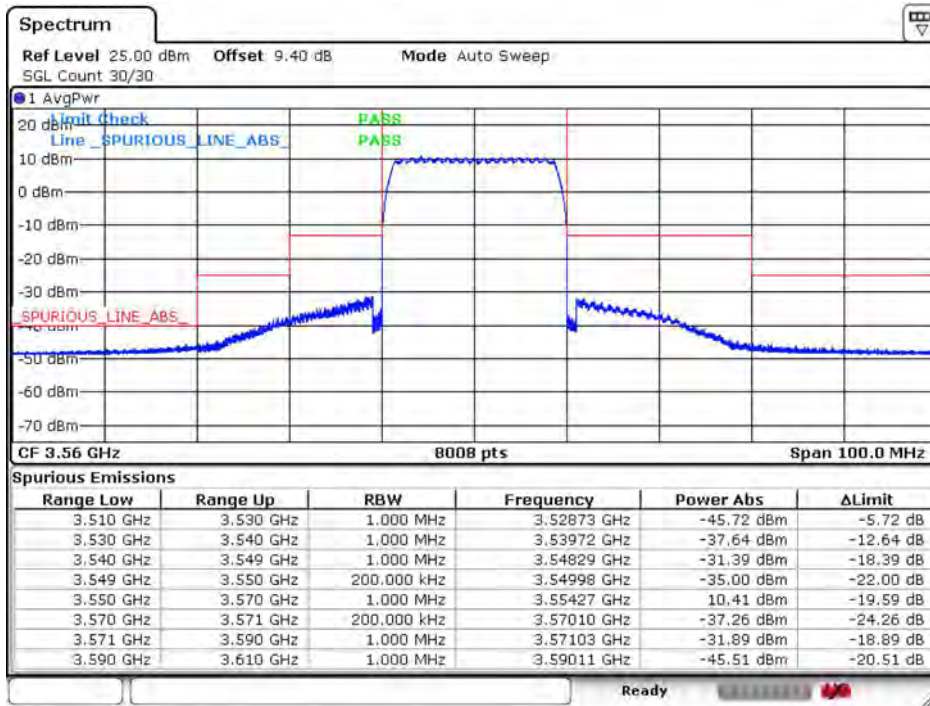


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Band48-20MHz-QPSK-55340-100RB#0

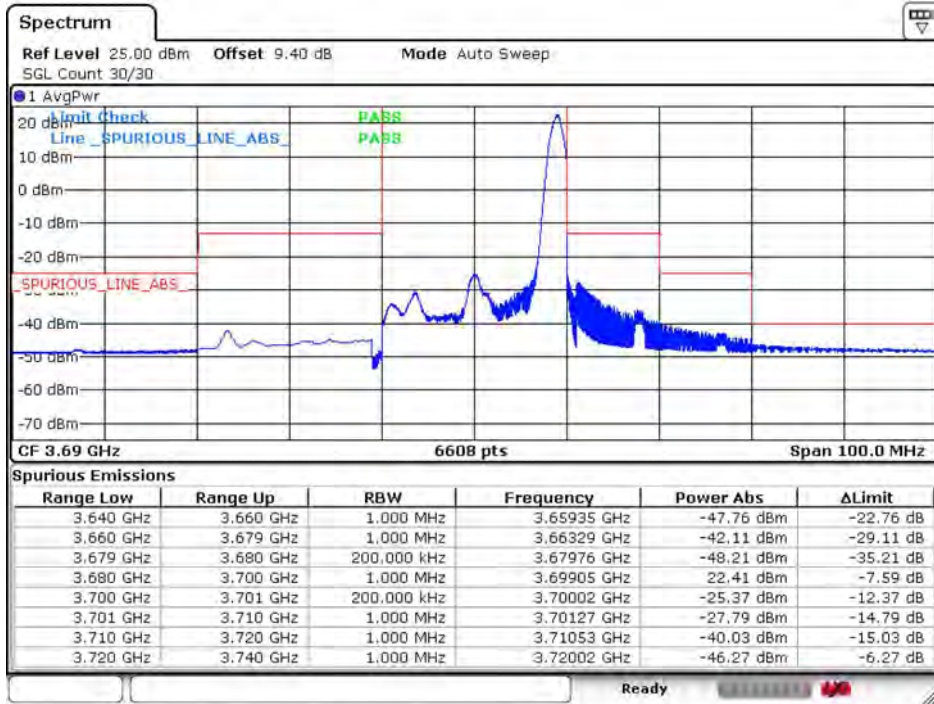


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Band48-20MHz-QPSK-56640-1RB#99

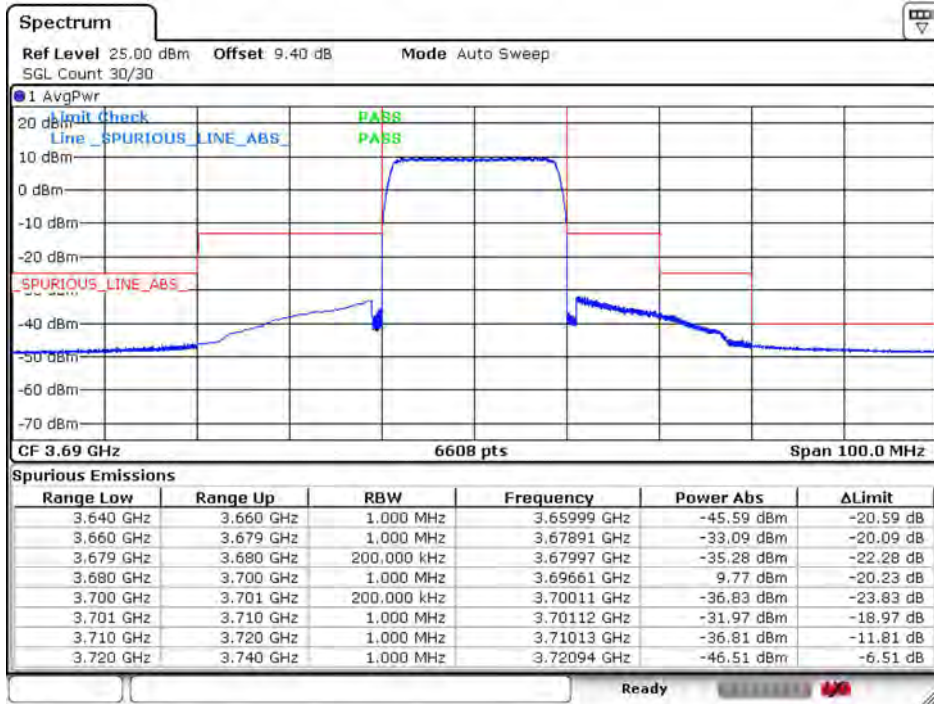


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Band48-20MHz-QPSK-56640-100RB#0



Date: 28.MAY.2021 03:15:04



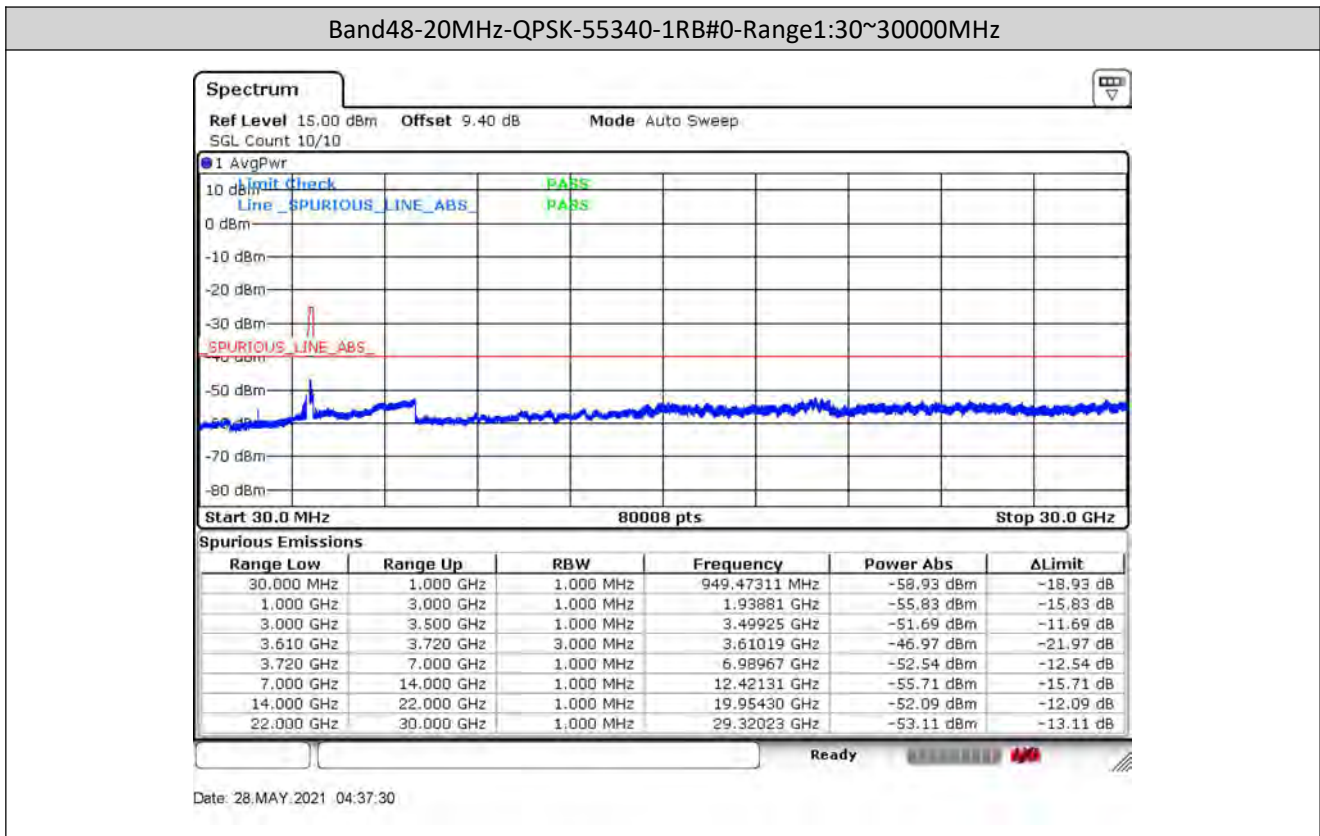
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## 7. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

### 7.1. Test Plots



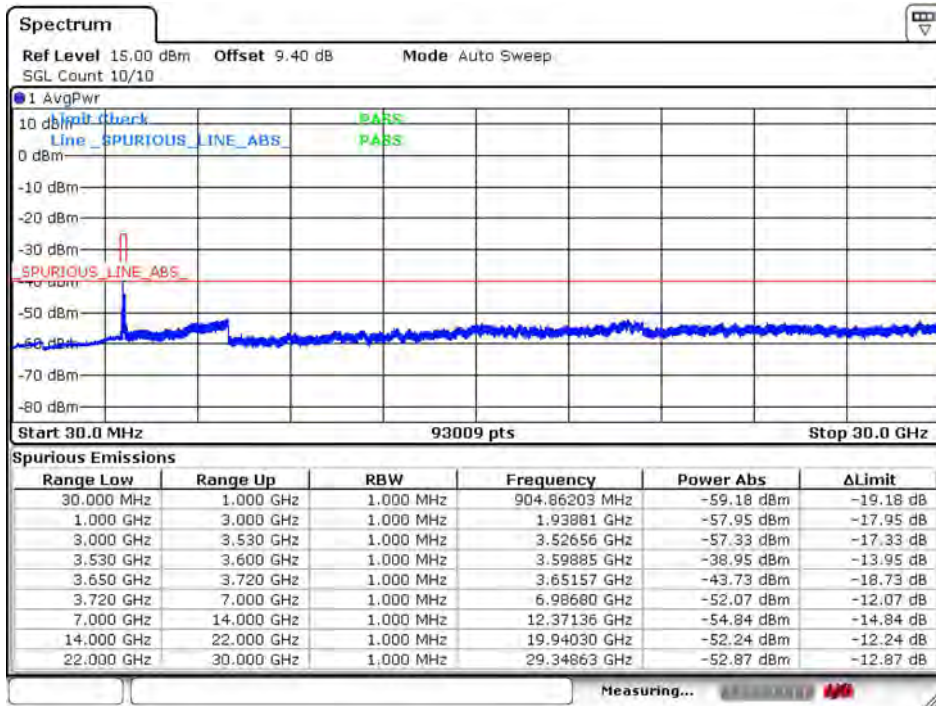
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Band48-20MHz-QPSK-55990-1RB#0-Range1:30~30000MHz



Date: 28.MAY.2021 04:35:24



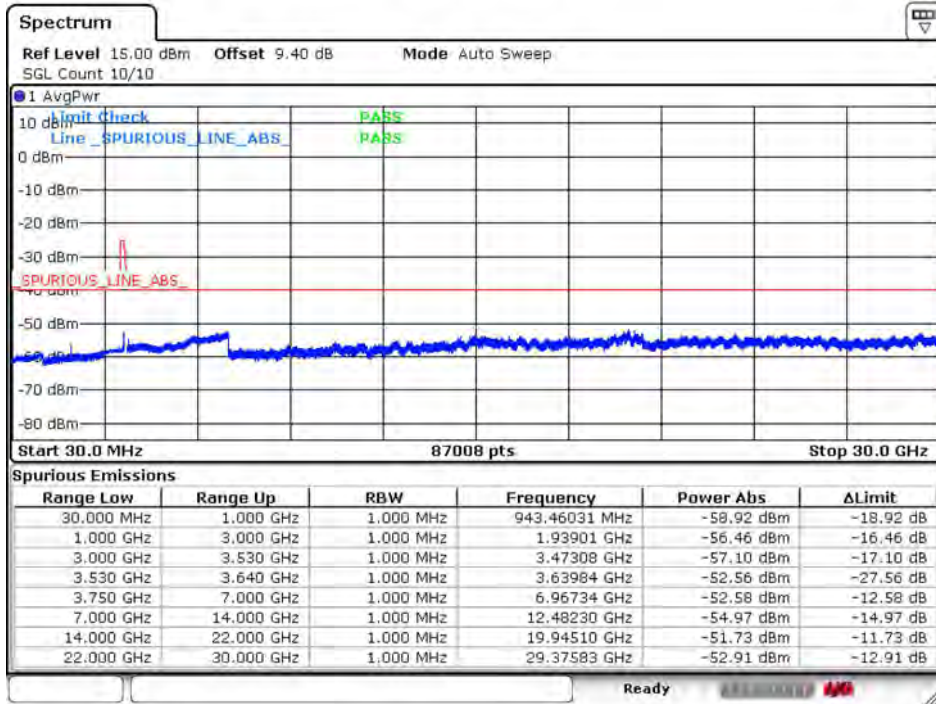
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Band48-20MHz-QPSK-56640-1RB#0-Range1:30~30000MHz



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## 8. Field Strength of Spurious Radiation

### 8.1. Test Band = Band 48

#### 8.1.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1084.0042	21.73	-48.49	-25.00	23.49	Horizontal
2	2299.6650	22.20	-45.44	-25.00	20.44	Horizontal
3	3014.9007	21.77	-42.72	-25.00	17.72	Horizontal
4	5608.2304	20.02	-36.39	-25.00	11.39	Horizontal
5	6936.9969	20.04	-33.76	-25.00	8.76	Horizontal
6	17410.920	46.09	-48.03	-25.00	23.03	Horizontal



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**8.2. Test Band = Band 48**

**8.2.1. Test Channel = Low Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1084.3042	21.57	-48.66	-25.00	23.66	Vertical
2	2022.7511	21.79	-46.91	-25.00	21.91	Vertical
3	4855.1928	19.64	-39.53	-25.00	14.53	Vertical
4	6761.1881	19.64	-34.02	-25.00	9.02	Vertical
5	11226.9613	46.13	-49.84	-25.00	24.84	Vertical
6	17335.566	45.82	-48.45	-25.00	23.45	Vertical



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**8.3. Test Band = Band 48**

**8.3.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1168.6084	21.49	-48.77	-25.00	23.77	Horizontal
2	3203.9102	21.77	-42.16	-25.00	17.16	Horizontal
3	5158.8079	19.88	-38.27	-25.00	13.27	Horizontal
4	6855.6928	20.45	-33.43	-25.00	8.43	Horizontal
5	12261.563	44.47	-49.65	-25.00	24.65	Horizontal
6	17336.1168	46.18	-48.08	-25.00	23.08	Horizontal



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**8.4. Test Band = Band 48**  
**8.4.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1108.9054	21.63	-48.75	-25.00	23.75	Vertical
2	2511.7756	22.42	-44.23	-25.00	19.23	Vertical
3	5389.8195	19.21	-38.17	-25.00	13.17	Vertical
4	6850.5925	20.31	-33.60	-25.00	8.60	Vertical
5	9513.6257	46.18	-52.20	-25.00	27.20	Vertical
6	13374.268	44.41	-48.43	-25.00	23.43	Vertical



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**8.5. Test Band = Band 48**

**8.5.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1148.5074	22.09	-48.18	-25.00	23.18	Horizontal
2	2318.5659	22.13	-45.36	-25.00	20.36	Horizontal
3	4452.2726	20.30	-39.92	-25.00	14.92	Horizontal
4	6842.4921	19.72	-34.07	-25.00	9.07	Horizontal
5	8845.3423	47.38	-52.11	-25.00	27.11	Horizontal
6	17190.359	46.18	-48.91	-25.00	23.91	Horizontal



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**8.6. Test Band = Band 48**

**8.6.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1147.9074	22.12	-48.19	-25.00	23.19	Vertical
2	2876.8938	21.72	-43.61	-25.00	18.61	Vertical
3	4535.3768	19.91	-40.61	-25.00	15.61	Vertical
4	6898.2949	19.52	-34.28	-25.00	9.28	Vertical
5	9051.0526	46.48	-52.18	-25.00	27.18	Vertical
6	16336.166	45.49	-49.11	-25.00	24.11	Vertical

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.



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## 9. Frequency Stability

### 9.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band48	20MHz	QPSK	55340	100RB#0	VL	NT	0.52	0.00015	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	VN	NT	-5.89	-0.00166	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	VH	NT	-12.59	-0.00354	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	VL	NT	-11.60	-0.00320	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	VN	NT	11.26	0.00311	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	VH	NT	4.34	0.00120	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	VL	NT	5.83	0.00158	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	VN	NT	1.34	0.00036	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	VH	NT	1.62	0.00044	±2.5	PASS



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## 9.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band48	20MHz	QPSK	55340	100RB#0	NV	-30	1.20	0.00034	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	-20	3.42	0.00096	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	-10	-11.24	-0.00316	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	0	-7.76	-0.00218	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	10	-10.76	-0.00302	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	20	13.13	0.00369	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	30	1.73	0.00049	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	40	-3.88	-0.00109	±2.5	PASS
Band48	20MHz	QPSK	55340	100RB#0	NV	50	12.80	0.00360	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	-30	10.99	0.00309	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	-20	9.58	0.00269	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	-10	0.08	0.00002	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	0	2.49	0.00070	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	10	10.35	0.00291	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	20	-7.83	-0.00220	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	30	-1.34	-0.00038	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	40	12.72	0.00357	±2.5	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	50	12.17	0.00342	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	-30	-0.92	-0.00026	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	-20	-13.48	-0.00379	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	-10	4.17	0.00117	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	0	-3.71	-0.00104	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	10	8.07	0.00227	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	20	9.75	0.00274	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	30	-12.11	-0.00340	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	40	9.73	0.00273	±2.5	PASS
Band48	20MHz	QPSK	56640	100RB#0	NV	50	-5.44	-0.00153	±2.5	PASS

The End



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