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Appendix B.47

LTE Band 70



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Effective (Isotropic) Radiated Power Output Data

Test ResultAnt7

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band70	5MHz	QPSK	132997	1RB#0	22.79	23.12	30.00	PASS
Band70	5MHz	16QAM	132997	1RB#0	22.34	22.67	30.00	PASS
Band70	5MHz	64QAM	132997	1RB#0	21.26	21.59	30.00	PASS
Band70	5MHz	256QAM	132997	1RB#0	18.06	18.39	30.00	PASS
Band70	5MHz	QPSK	132997	1RB#12	22.82	23.15	30.00	PASS
Band70	5MHz	16QAM	132997	1RB#12	22.15	22.48	30.00	PASS
Band70	5MHz	64QAM	132997	1RB#12	21.26	21.59	30.00	PASS
Band70	5MHz	256QAM	132997	1RB#12	17.99	18.32	30.00	PASS
Band70	5MHz	QPSK	132997	1RB#24	22.78	23.11	30.00	PASS
Band70	5MHz	16QAM	132997	1RB#24	22.26	22.59	30.00	PASS
Band70	5MHz	64QAM	132997	1RB#24	21.3	21.63	30.00	PASS
Band70	5MHz	256QAM	132997	1RB#24	18.22	18.55	30.00	PASS
Band70	5MHz	QPSK	132997	12RB#0	22.09	22.42	30.00	PASS
Band70	5MHz	16QAM	132997	12RB#0	21.16	21.49	30.00	PASS
Band70	5MHz	64QAM	132997	12RB#0	20.09	20.42	30.00	PASS
Band70	5MHz	256QAM	132997	12RB#0	17.98	18.31	30.00	PASS
Band70	5MHz	QPSK	132997	12RB#6	22.15	22.48	30.00	PASS
Band70	5MHz	16QAM	132997	12RB#6	21.08	21.41	30.00	PASS
Band70	5MHz	64QAM	132997	12RB#6	20.12	20.45	30.00	PASS
Band70	5MHz	256QAM	132997	12RB#6	18.05	18.38	30.00	PASS
Band70	5MHz	QPSK	132997	12RB#13	22.1	22.43	30.00	PASS
Band70	5MHz	16QAM	132997	12RB#13	21.11	21.44	30.00	PASS
Band70	5MHz	64QAM	132997	12RB#13	20.12	20.45	30.00	PASS
Band70	5MHz	256QAM	132997	12RB#13	18	18.33	30.00	PASS
Band70	5MHz	QPSK	132997	25RB#0	22.06	22.39	30.00	PASS
Band70	5MHz	16QAM	132997	25RB#0	20.99	21.32	30.00	PASS
Band70	5MHz	64QAM	132997	25RB#0	20.05	20.38	30.00	PASS
Band70	5MHz	256QAM	132997	25RB#0	17.95	18.28	30.00	PASS
Band70	5MHz	QPSK	133047	1RB#0	22.89	23.22	30.00	PASS
Band70	5MHz	16QAM	133047	1RB#0	22.26	22.59	30.00	PASS
Band70	5MHz	64QAM	133047	1RB#0	21.37	21.7	30.00	PASS



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Band70	5MHz	256QAM	133047	1RB#0	18.26	18.59	30.00	PASS
Band70	5MHz	QPSK	133047	1RB#12	22.79	23.12	30.00	PASS
Band70	5MHz	16QAM	133047	1RB#12	22.32	22.65	30.00	PASS
Band70	5MHz	64QAM	133047	1RB#12	21.36	21.69	30.00	PASS
Band70	5MHz	256QAM	133047	1RB#12	18.15	18.48	30.00	PASS
Band70	5MHz	QPSK	133047	1RB#24	22.8	23.13	30.00	PASS
Band70	5MHz	16QAM	133047	1RB#24	22.27	22.6	30.00	PASS
Band70	5MHz	64QAM	133047	1RB#24	21.41	21.74	30.00	PASS
Band70	5MHz	256QAM	133047	1RB#24	18.19	18.52	30.00	PASS
Band70	5MHz	QPSK	133047	12RB#0	22.17	22.5	30.00	PASS
Band70	5MHz	16QAM	133047	12RB#0	21.2	21.53	30.00	PASS
Band70	5MHz	64QAM	133047	12RB#0	20.19	20.52	30.00	PASS
Band70	5MHz	256QAM	133047	12RB#0	17.99	18.32	30.00	PASS
Band70	5MHz	QPSK	133047	12RB#6	22.12	22.45	30.00	PASS
Band70	5MHz	16QAM	133047	12RB#6	21.15	21.48	30.00	PASS
Band70	5MHz	64QAM	133047	12RB#6	20.18	20.51	30.00	PASS
Band70	5MHz	256QAM	133047	12RB#6	19.12	19.45	30.00	PASS
Band70	5MHz	QPSK	133047	12RB#13	22.05	22.38	30.00	PASS
Band70	5MHz	16QAM	133047	12RB#13	21.14	21.47	30.00	PASS
Band70	5MHz	64QAM	133047	12RB#13	20.02	20.35	30.00	PASS
Band70	5MHz	256QAM	133047	12RB#13	17.97	18.3	30.00	PASS
Band70	5MHz	QPSK	133047	25RB#0	22.14	22.47	30.00	PASS
Band70	5MHz	16QAM	133047	25RB#0	21.13	21.46	30.00	PASS
Band70	5MHz	64QAM	133047	25RB#0	20.09	20.42	30.00	PASS
Band70	5MHz	256QAM	133047	25RB#0	18.06	18.39	30.00	PASS
Band70	5MHz	QPSK	133097	1RB#0	23.12	23.45	30.00	PASS
Band70	5MHz	16QAM	133097	1RB#0	22.3	22.63	30.00	PASS
Band70	5MHz	64QAM	133097	1RB#0	21.33	21.66	30.00	PASS
Band70	5MHz	256QAM	133097	1RB#0	18.26	18.59	30.00	PASS
Band70	5MHz	QPSK	133097	1RB#12	22.74	23.07	30.00	PASS
Band70	5MHz	16QAM	133097	1RB#12	22.32	22.65	30.00	PASS
Band70	5MHz	64QAM	133097	1RB#12	21.36	21.69	30.00	PASS
Band70	5MHz	256QAM	133097	1RB#12	18.23	18.56	30.00	PASS
Band70	5MHz	QPSK	133097	1RB#24	22.87	23.2	30.00	PASS
Band70	5MHz	16QAM	133097	1RB#24	22.32	22.65	30.00	PASS
Band70	5MHz	64QAM	133097	1RB#24	21.31	21.64	30.00	PASS
Band70	5MHz	256QAM	133097	1RB#24	18.21	18.54	30.00	PASS



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Band70	5MHz	QPSK	133097	12RB#0	22.23	22.56	30.00	PASS
Band70	5MHz	16QAM	133097	12RB#0	21.29	21.62	30.00	PASS
Band70	5MHz	64QAM	133097	12RB#0	20.22	20.55	30.00	PASS
Band70	5MHz	256QAM	133097	12RB#0	18.12	18.45	30.00	PASS
Band70	5MHz	QPSK	133097	12RB#6	22.14	22.47	30.00	PASS
Band70	5MHz	16QAM	133097	12RB#6	21.16	21.49	30.00	PASS
Band70	5MHz	64QAM	133097	12RB#6	20.22	20.55	30.00	PASS
Band70	5MHz	256QAM	133097	12RB#6	18.1	18.43	30.00	PASS
Band70	5MHz	QPSK	133097	12RB#13	22.15	22.48	30.00	PASS
Band70	5MHz	16QAM	133097	12RB#13	21.15	21.48	30.00	PASS
Band70	5MHz	64QAM	133097	12RB#13	20.1	20.43	30.00	PASS
Band70	5MHz	256QAM	133097	12RB#13	18.03	18.36	30.00	PASS
Band70	5MHz	QPSK	133097	25RB#0	22.21	22.54	30.00	PASS
Band70	5MHz	16QAM	133097	25RB#0	21.19	21.52	30.00	PASS
Band70	5MHz	64QAM	133097	25RB#0	20.18	20.51	30.00	PASS
Band70	5MHz	256QAM	133097	25RB#0	18.1	18.43	30.00	PASS
Band70	10MHz	QPSK	133022	1RB#0	22.8	23.13	30.00	PASS
Band70	10MHz	16QAM	133022	1RB#0	22.21	22.54	30.00	PASS
Band70	10MHz	64QAM	133022	1RB#0	21.34	21.67	30.00	PASS
Band70	10MHz	256QAM	133022	1RB#0	18.14	18.47	30.00	PASS
Band70	10MHz	QPSK	133022	1RB#24	22.77	23.1	30.00	PASS
Band70	10MHz	16QAM	133022	1RB#24	22.18	22.51	30.00	PASS
Band70	10MHz	64QAM	133022	1RB#24	21.32	21.65	30.00	PASS
Band70	10MHz	256QAM	133022	1RB#24	18.16	18.49	30.00	PASS
Band70	10MHz	QPSK	133022	1RB#49	22.87	23.2	30.00	PASS
Band70	10MHz	16QAM	133022	1RB#49	22.27	22.6	30.00	PASS
Band70	10MHz	64QAM	133022	1RB#49	21.3	21.63	30.00	PASS
Band70	10MHz	256QAM	133022	1RB#49	18.29	18.62	30.00	PASS
Band70	10MHz	QPSK	133022	25RB#0	22.09	22.42	30.00	PASS
Band70	10MHz	16QAM	133022	25RB#0	21.15	21.48	30.00	PASS
Band70	10MHz	64QAM	133022	25RB#0	20.06	20.39	30.00	PASS
Band70	10MHz	256QAM	133022	25RB#0	18.1	18.43	30.00	PASS
Band70	10MHz	QPSK	133022	25RB#12	22.12	22.45	30.00	PASS
Band70	10MHz	16QAM	133022	25RB#12	21.09	21.42	30.00	PASS
Band70	10MHz	64QAM	133022	25RB#12	20.03	20.36	30.00	PASS
Band70	10MHz	256QAM	133022	25RB#12	18.11	18.44	30.00	PASS
Band70	10MHz	QPSK	133022	25RB#25	22.06	22.39	30.00	PASS



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Band70	10MHz	16QAM	133022	25RB#25	21.04	21.37	30.00	PASS
Band70	10MHz	64QAM	133022	25RB#25	20.02	20.35	30.00	PASS
Band70	10MHz	256QAM	133022	25RB#25	18.02	18.35	30.00	PASS
Band70	10MHz	QPSK	133022	50RB#0	22.1	22.43	30.00	PASS
Band70	10MHz	16QAM	133022	50RB#0	21.14	21.47	30.00	PASS
Band70	10MHz	64QAM	133022	50RB#0	20.09	20.42	30.00	PASS
Band70	10MHz	256QAM	133022	50RB#0	18.04	18.37	30.00	PASS
Band70	10MHz	QPSK	133047	1RB#0	22.98	23.31	30.00	PASS
Band70	10MHz	16QAM	133047	1RB#0	22.27	22.6	30.00	PASS
Band70	10MHz	64QAM	133047	1RB#0	21.22	21.55	30.00	PASS
Band70	10MHz	256QAM	133047	1RB#0	18.03	18.36	30.00	PASS
Band70	10MHz	QPSK	133047	1RB#24	22.86	23.19	30.00	PASS
Band70	10MHz	16QAM	133047	1RB#24	22.25	22.58	30.00	PASS
Band70	10MHz	64QAM	133047	1RB#24	21.4	21.73	30.00	PASS
Band70	10MHz	256QAM	133047	1RB#24	18.26	18.59	30.00	PASS
Band70	10MHz	QPSK	133047	1RB#49	22.81	23.14	30.00	PASS
Band70	10MHz	16QAM	133047	1RB#49	22.23	22.56	30.00	PASS
Band70	10MHz	64QAM	133047	1RB#49	21.36	21.69	30.00	PASS
Band70	10MHz	256QAM	133047	1RB#49	18.27	18.6	30.00	PASS
Band70	10MHz	QPSK	133047	25RB#0	22.22	22.55	30.00	PASS
Band70	10MHz	16QAM	133047	25RB#0	21.19	21.52	30.00	PASS
Band70	10MHz	64QAM	133047	25RB#0	20.17	20.5	30.00	PASS
Band70	10MHz	256QAM	133047	25RB#0	18.06	18.39	30.00	PASS
Band70	10MHz	QPSK	133047	25RB#12	22.19	22.52	30.00	PASS
Band70	10MHz	16QAM	133047	25RB#12	21.13	21.46	30.00	PASS
Band70	10MHz	64QAM	133047	25RB#12	20.07	20.4	30.00	PASS
Band70	10MHz	256QAM	133047	25RB#12	18.06	18.39	30.00	PASS
Band70	10MHz	QPSK	133047	25RB#25	22.03	22.36	30.00	PASS
Band70	10MHz	16QAM	133047	25RB#25	21.04	21.37	30.00	PASS
Band70	10MHz	64QAM	133047	25RB#25	20.03	20.36	30.00	PASS
Band70	10MHz	256QAM	133047	25RB#25	18.04	18.37	30.00	PASS
Band70	10MHz	QPSK	133047	50RB#0	22.19	22.52	30.00	PASS
Band70	10MHz	16QAM	133047	50RB#0	21.18	21.51	30.00	PASS
Band70	10MHz	64QAM	133047	50RB#0	20.15	20.48	30.00	PASS
Band70	10MHz	256QAM	133047	50RB#0	18.04	18.37	30.00	PASS
Band70	10MHz	QPSK	133072	1RB#0	22.87	23.2	30.00	PASS
Band70	10MHz	16QAM	133072	1RB#0	22.26	22.59	30.00	PASS



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Band70	10MHz	256QAM	133072	1RB#0	18.22	18.55	30.00	PASS
Band70	10MHz	QPSK	133072	1RB#24	22.81	23.14	30.00	PASS
Band70	10MHz	16QAM	133072	1RB#24	22.37	22.7	30.00	PASS
Band70	10MHz	64QAM	133072	1RB#24	21.38	21.71	30.00	PASS
Band70	10MHz	256QAM	133072	1RB#24	18.21	18.54	30.00	PASS
Band70	10MHz	QPSK	133072	1RB#49	22.97	23.3	30.00	PASS
Band70	10MHz	16QAM	133072	1RB#49	22.36	22.69	30.00	PASS
Band70	10MHz	64QAM	133072	1RB#49	21.43	21.76	30.00	PASS
Band70	10MHz	256QAM	133072	1RB#49	18.19	18.52	30.00	PASS
Band70	10MHz	QPSK	133072	25RB#0	22.19	22.52	30.00	PASS
Band70	10MHz	16QAM	133072	25RB#0	21.18	21.51	30.00	PASS
Band70	10MHz	64QAM	133072	25RB#0	20.05	20.38	30.00	PASS
Band70	10MHz	256QAM	133072	25RB#0	18.16	18.49	30.00	PASS
Band70	10MHz	QPSK	133072	25RB#12	22.19	22.52	30.00	PASS
Band70	10MHz	16QAM	133072	25RB#12	21.14	21.47	30.00	PASS
Band70	10MHz	64QAM	133072	25RB#12	20.08	20.41	30.00	PASS
Band70	10MHz	256QAM	133072	25RB#12	18.1	18.43	30.00	PASS
Band70	10MHz	QPSK	133072	25RB#25	22.12	22.45	30.00	PASS
Band70	10MHz	16QAM	133072	25RB#25	21.11	21.44	30.00	PASS
Band70	10MHz	64QAM	133072	25RB#25	20.04	20.37	30.00	PASS
Band70	10MHz	256QAM	133072	25RB#25	18.03	18.36	30.00	PASS
Band70	10MHz	QPSK	133072	50RB#0	22.25	22.58	30.00	PASS
Band70	10MHz	16QAM	133072	50RB#0	21.13	21.46	30.00	PASS
Band70	10MHz	64QAM	133072	50RB#0	20.12	20.45	30.00	PASS
Band70	10MHz	256QAM	133072	50RB#0	18.05	18.38	30.00	PASS
Band70	15MHz	QPSK	133047	1RB#0	22.78	23.11	30.00	PASS
Band70	15MHz	16QAM	133047	1RB#0	22.2	22.53	30.00	PASS
Band70	15MHz	64QAM	133047	1RB#0	21.24	21.57	30.00	PASS
Band70	15MHz	256QAM	133047	1RB#0	18.13	18.46	30.00	PASS
Band70	15MHz	QPSK	133047	1RB#38	22.79	23.12	30.00	PASS
Band70	15MHz	16QAM	133047	1RB#38	22.18	22.51	30.00	PASS
Band70	15MHz	64QAM	133047	1RB#38	21.23	21.56	30.00	PASS
Band70	15MHz	256QAM	133047	1RB#38	18.14	18.47	30.00	PASS
Band70	15MHz	QPSK	133047	1RB#74	22.93	23.26	30.00	PASS
Band70	15MHz	16QAM	133047	1RB#74	22.38	22.71	30.00	PASS
Band70	15MHz	64QAM	133047	1RB#74	21.4	21.73	30.00	PASS



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Band70	15MHz	256QAM	133047	1RB#74	18.24	18.57	30.00	PASS
Band70	15MHz	QPSK	133047	38RB#0	22.74	23.07	30.00	PASS
Band70	15MHz	16QAM	133047	38RB#0	22.18	22.51	30.00	PASS
Band70	15MHz	64QAM	133047	38RB#0	21.25	21.58	30.00	PASS
Band70	15MHz	256QAM	133047	38RB#0	18.04	18.37	30.00	PASS
Band70	15MHz	QPSK	133047	38RB#18	22.74	23.07	30.00	PASS
Band70	15MHz	16QAM	133047	38RB#18	22.24	22.57	30.00	PASS
Band70	15MHz	64QAM	133047	38RB#18	21.32	21.65	30.00	PASS
Band70	15MHz	256QAM	133047	38RB#18	18.17	18.5	30.00	PASS
Band70	15MHz	QPSK	133047	38RB#37	22.9	23.23	30.00	PASS
Band70	15MHz	16QAM	133047	38RB#37	22.19	22.52	30.00	PASS
Band70	15MHz	64QAM	133047	38RB#37	21.35	21.68	30.00	PASS
Band70	15MHz	256QAM	133047	38RB#37	18.19	18.52	30.00	PASS
Band70	15MHz	QPSK	133047	75RB#0	22.11	22.44	30.00	PASS
Band70	15MHz	16QAM	133047	75RB#0	21.16	21.49	30.00	PASS
Band70	15MHz	64QAM	133047	75RB#0	20.09	20.42	30.00	PASS
Band70	15MHz	256QAM	133047	75RB#0	18.05	18.38	30.00	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Limit	Verdict
Band70	15MHz	QPSK	133047	75RB#0	5.36	13	PASS
Band70	15MHz	16QAM	133047	75RB#0	6.14	13	PASS
Band70	15MHz	64QAM	133047	75RB#0	6.50	13	PASS
Band70	15MHz	256QAM	133047	75RB#0	6.72	13	PASS



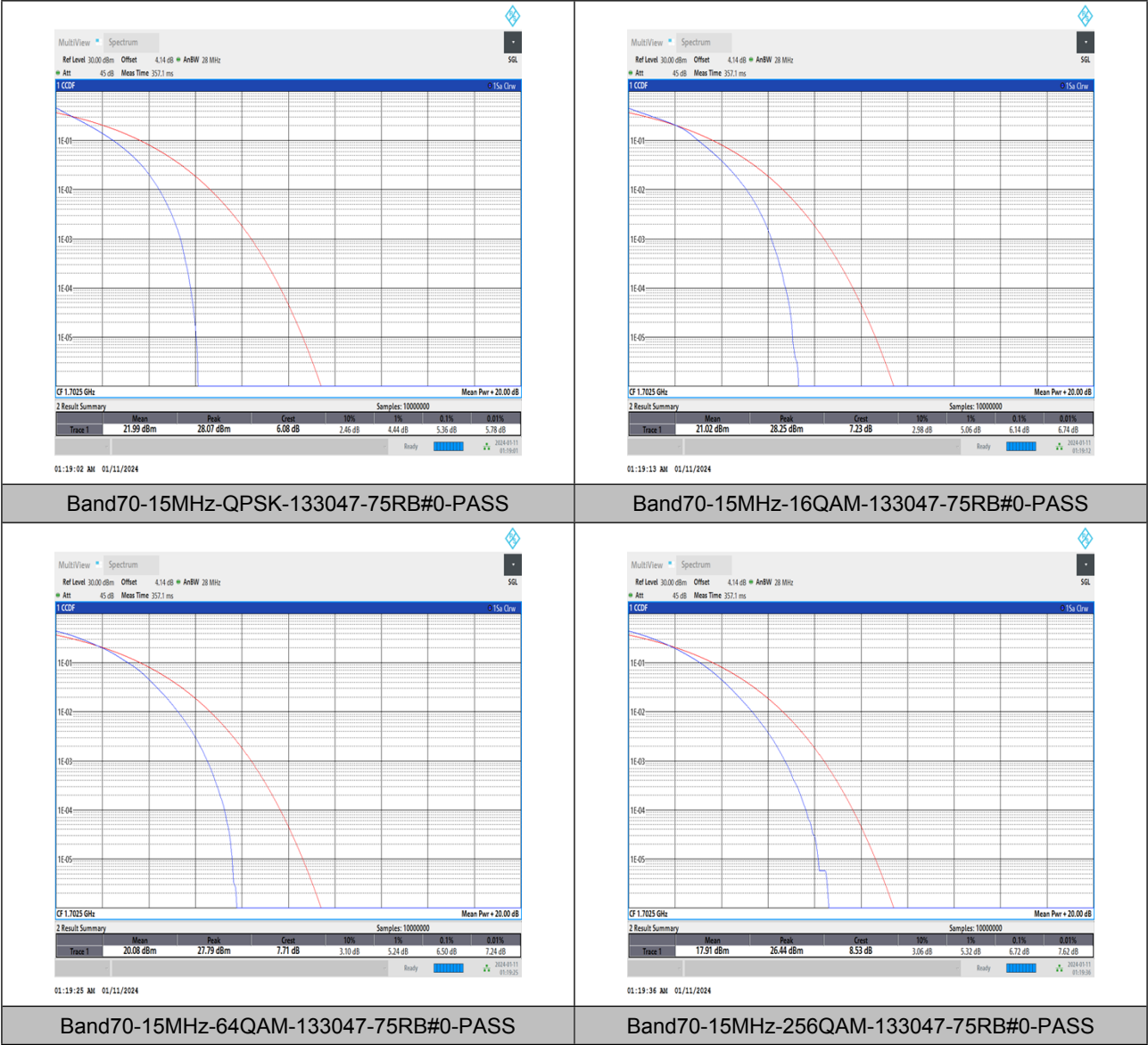
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Test Graphs



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band70	5MHz	QPSK	133047	25RB#0	4.494	4.87	PASS
Band70	5MHz	16QAM	133047	25RB#0	4.483	4.95	PASS
Band70	5MHz	64QAM	133047	25RB#0	4.495	5.00	PASS
Band70	5MHz	256QAM	133047	25RB#0	4.481	4.91	PASS
Band70	10MHz	QPSK	133047	50RB#0	8.948	9.63	PASS
Band70	10MHz	16QAM	133047	50RB#0	8.926	9.63	PASS
Band70	10MHz	64QAM	133047	50RB#0	8.949	9.70	PASS
Band70	10MHz	256QAM	133047	50RB#0	8.945	9.67	PASS
Band70	15MHz	QPSK	133047	75RB#0	13.618	14.65	PASS
Band70	15MHz	16QAM	133047	75RB#0	13.475	14.85	PASS
Band70	15MHz	64QAM	133047	75RB#0	13.484	14.85	PASS
Band70	15MHz	256QAM	133047	75RB#0	13.474	14.80	PASS



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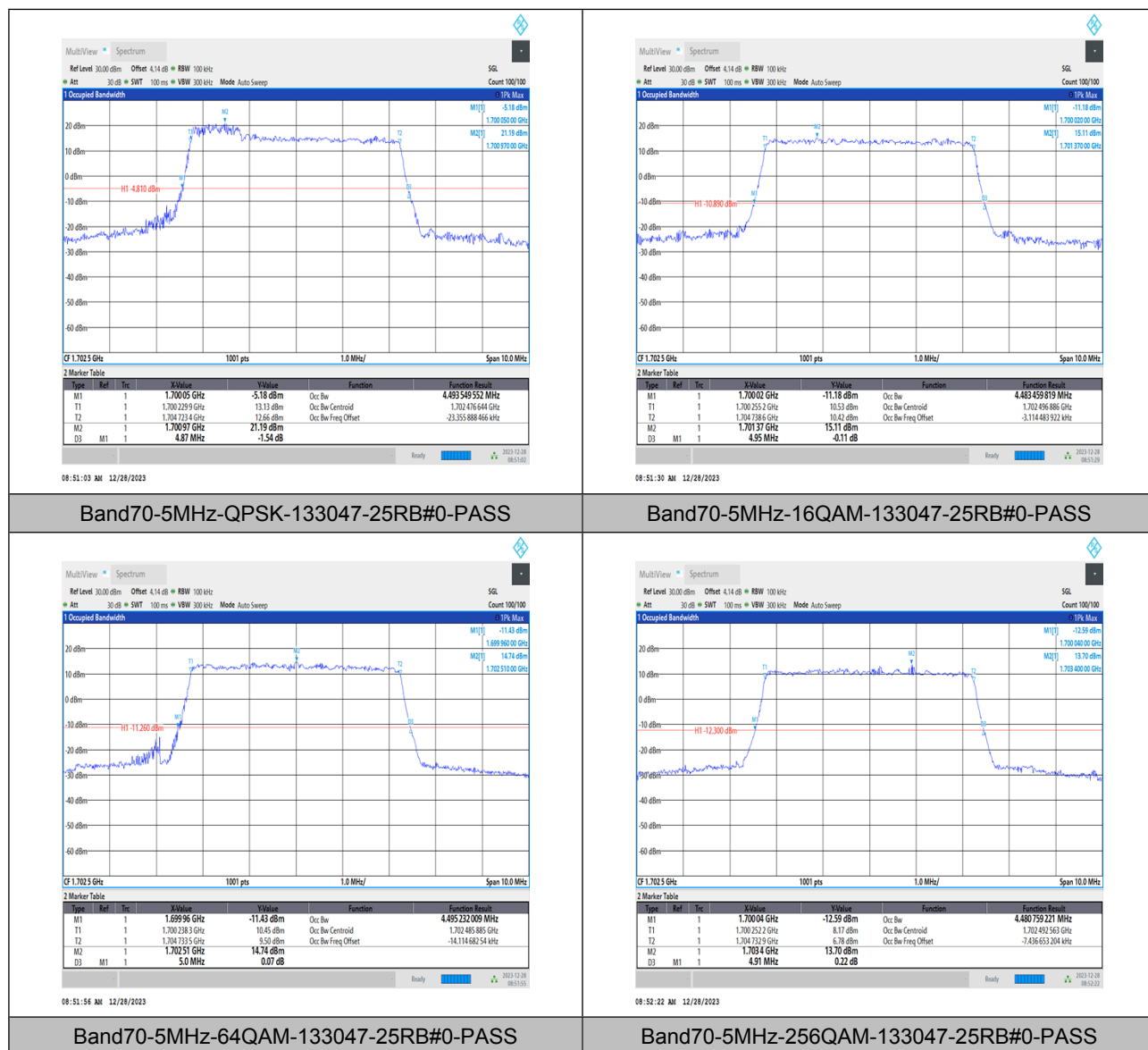
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Band70-10MHz-QPSK-133047-50RB#0-PASS



Band70-10MHz-16QAM-133047-50RB#0-PASS



Band70-10MHz-64QAM-133047-50RB#0-PASS



Band70-10MHz-256QAM-133047-50RB#0-PASS



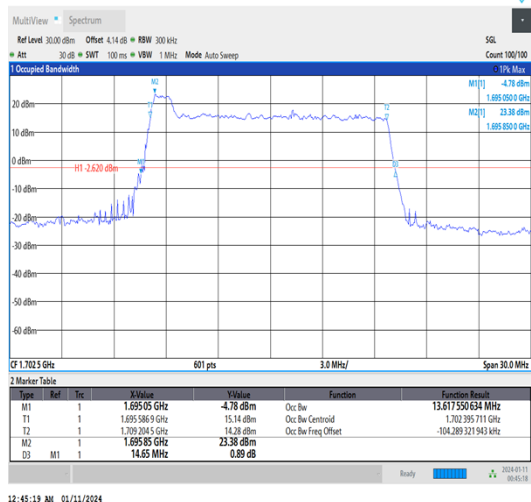
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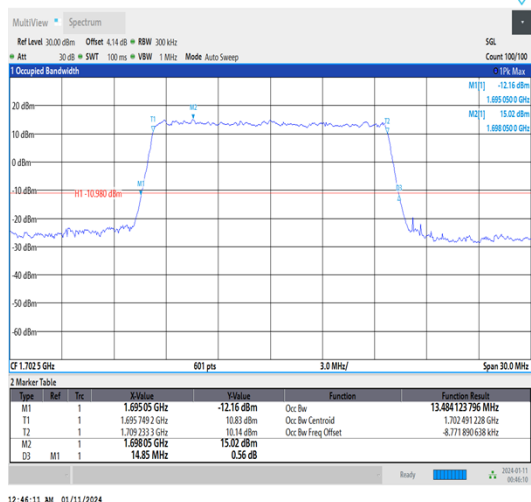
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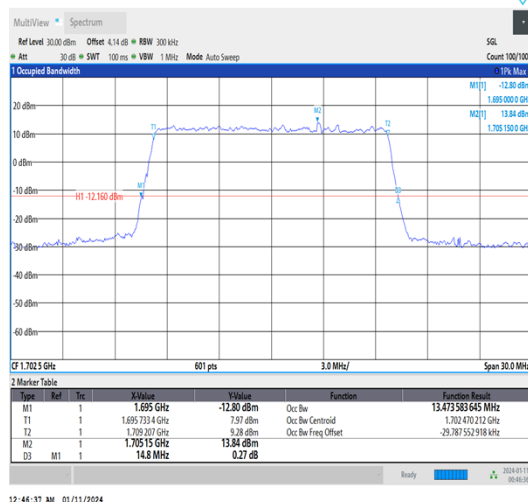
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Band70-15MHz-16QAM-133047-75RB#0-PASS



Band70-15MHz-64QAM-133047-75RB#0-PASS



Band70-15MHz-256QAM-133047-75RB#0-PASS



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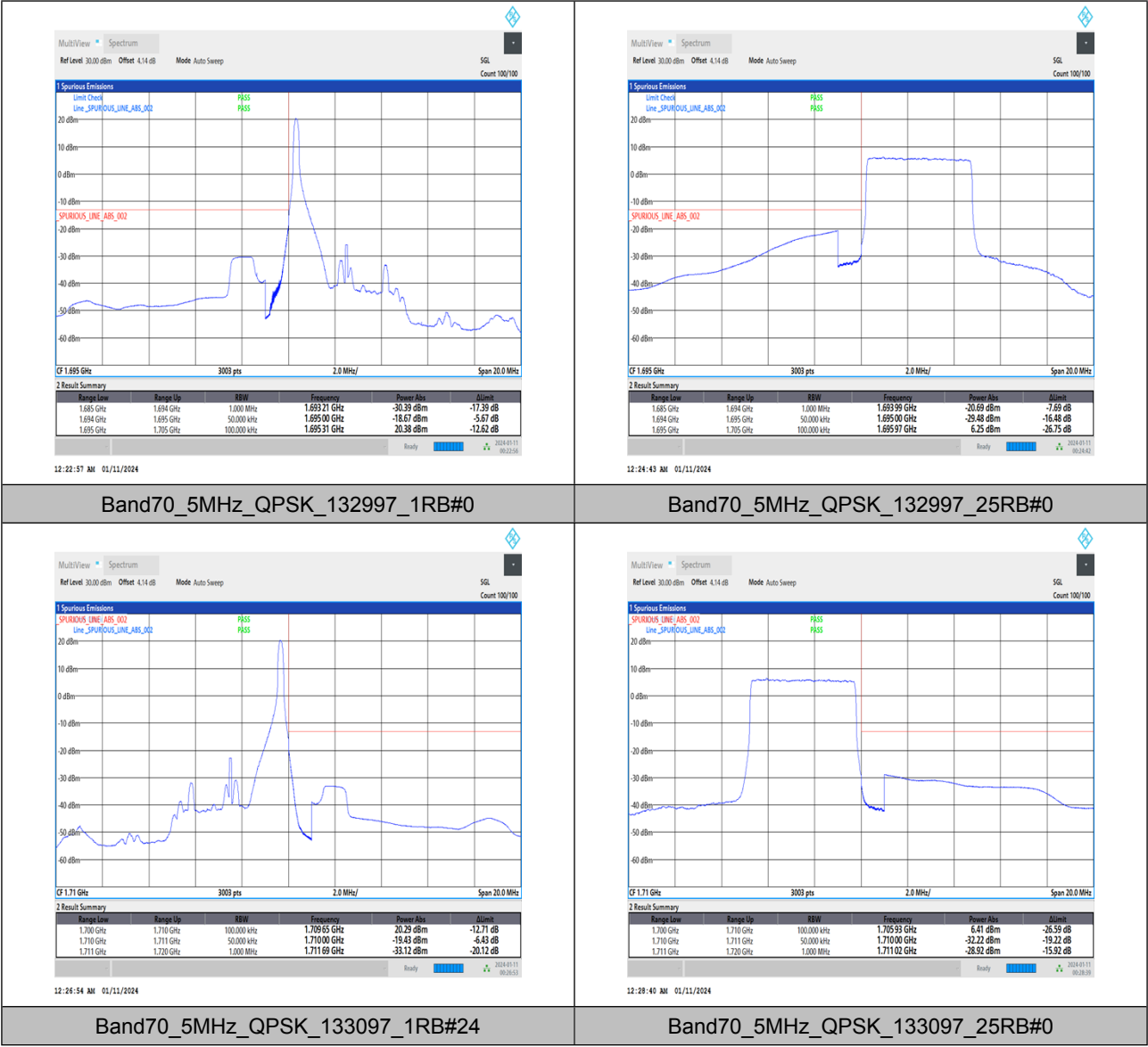
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Band Edge

Test Graphs



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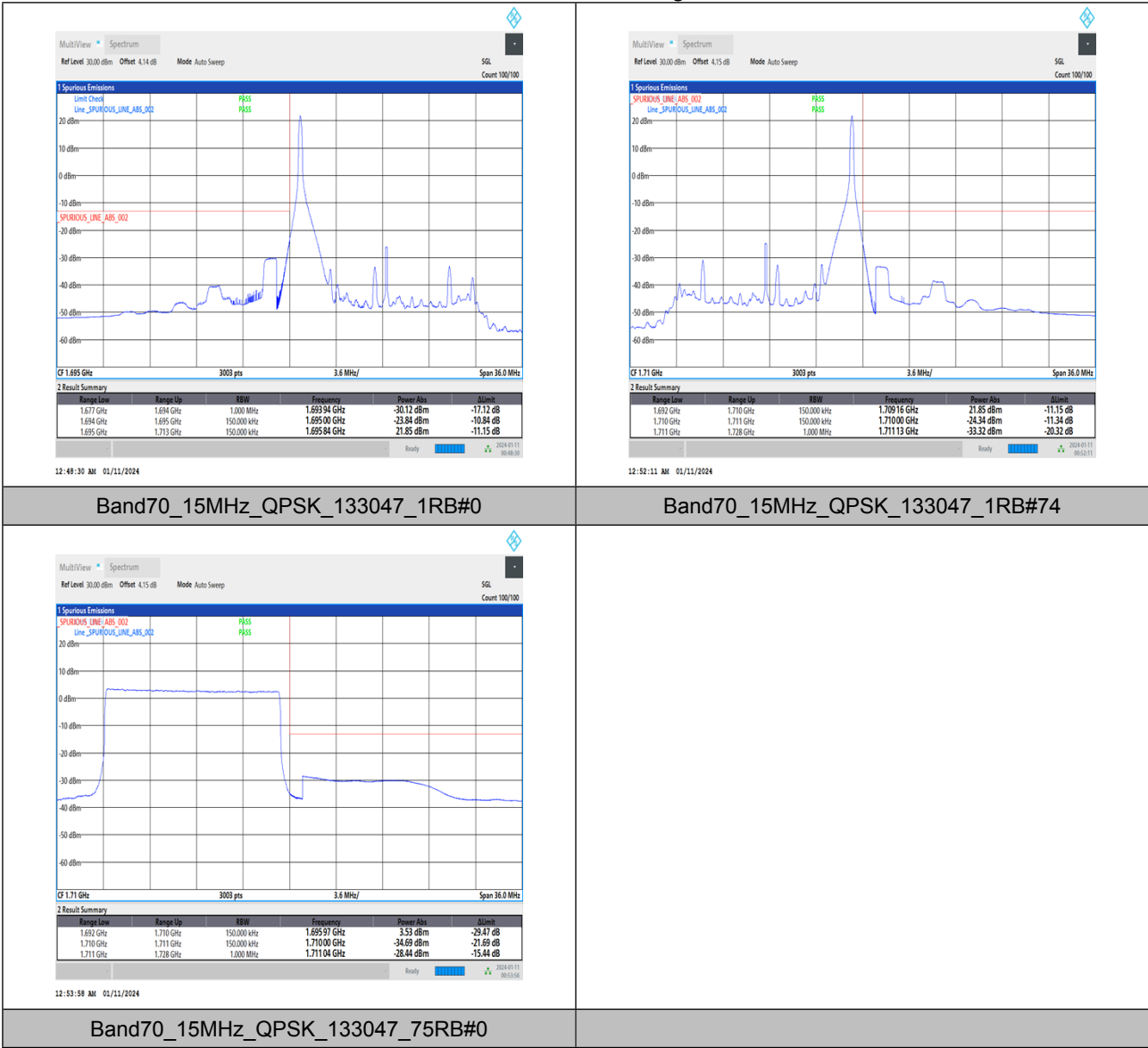


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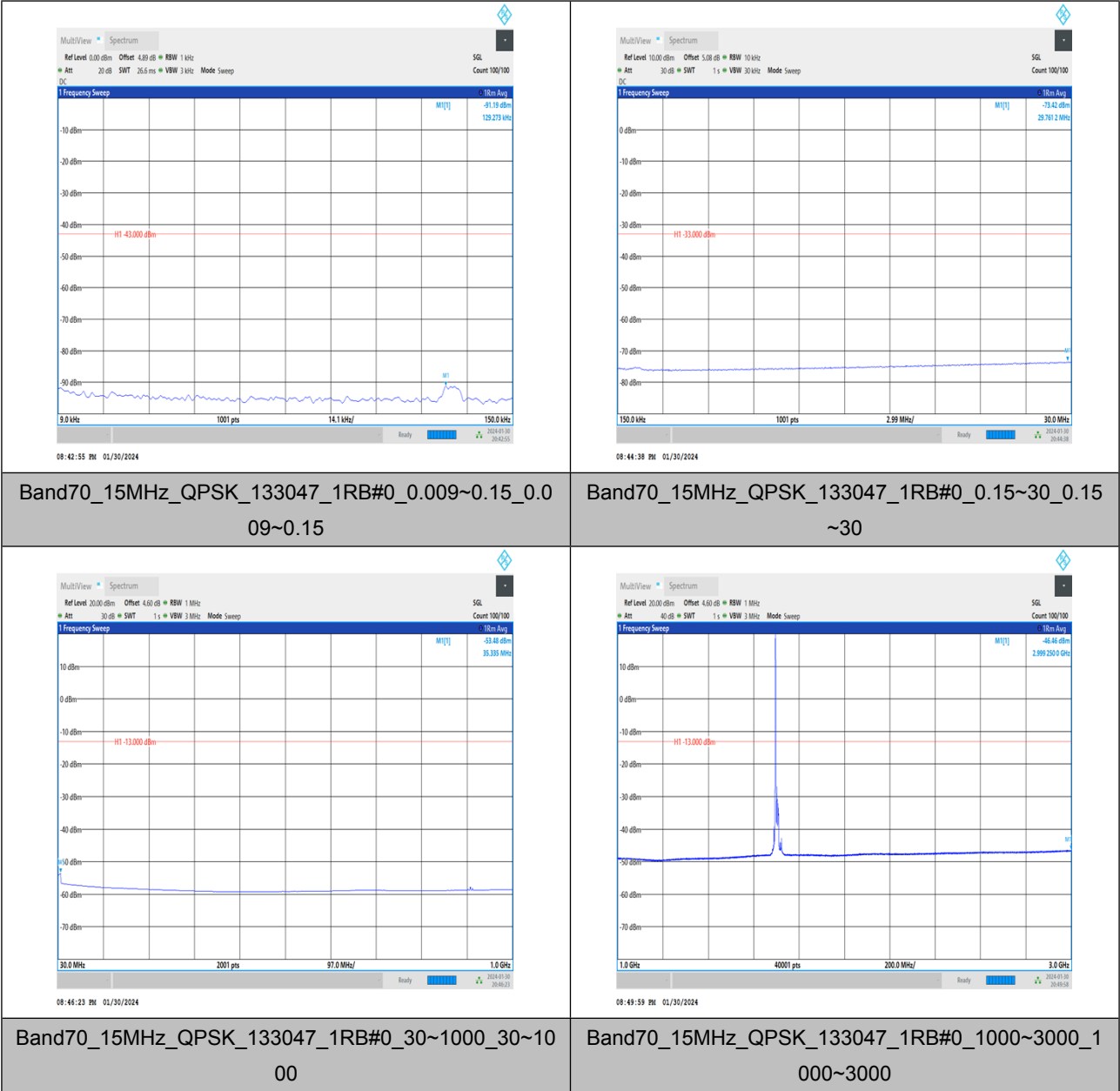
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Conducted Spurious Emission

Test Graphs

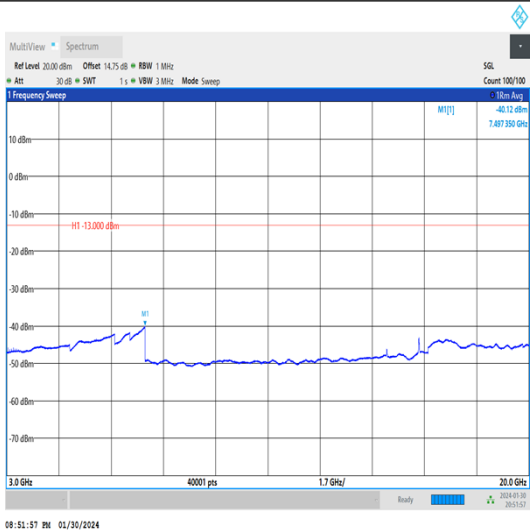


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Band70_15MHz_QPSK_133047_1RB#0_3000~20000_30
00~20000



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Field Strength of Spurious Radiation

Test Band = LTE Band 70_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3391.18	44.17	-48.38	28.66	-70.81	-13.00	57.81	Horizontal
2	5086.77	42.87	-47.84	31.71	-68.52	-13.00	55.52	Horizontal
3	6782.36	42.05	-46.83	35.12	-64.92	-13.00	51.92	Horizontal
4	8477.95	40.38	-44.24	36.87	-62.25	-13.00	49.25	Horizontal
5	10173.54	37.70	-42.07	38.66	-60.97	-13.00	47.97	Horizontal
6	11869.13	36.58	-39.95	39.23	-59.41	-13.00	46.41	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3391.18	44.68	-48.38	28.66	-70.30	-13.00	57.30	Vertical
2	5086.77	42.26	-47.84	31.71	-69.13	-13.00	56.13	Vertical
3	6782.36	42.31	-46.83	35.12	-64.66	-13.00	51.66	Vertical
4	8477.95	40.23	-44.24	36.87	-62.40	-13.00	49.40	Vertical
5	10173.54	37.16	-42.07	38.66	-61.51	-13.00	48.51	Vertical
6	11869.13	35.81	-39.95	39.23	-60.18	-13.00	47.18	Vertical



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Test Band = LTE Band 70_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3396.18	43.78	-48.40	28.66	-71.22	-13.00	58.22	Horizontal
2	5094.27	42.68	-47.83	31.73	-68.68	-13.00	55.68	Horizontal
3	6792.36	43.49	-46.87	35.14	-63.49	-13.00	50.49	Horizontal
4	8490.45	39.73	-44.26	36.89	-62.91	-13.00	49.91	Horizontal
5	10188.54	37.56	-42.11	38.67	-61.14	-13.00	48.14	Horizontal
6	11886.63	35.78	-39.97	39.22	-60.23	-13.00	47.23	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3396.18	44.61	-48.40	28.66	-70.39	-13.00	57.39	Vertical
2	5094.27	42.13	-47.83	31.73	-69.23	-13.00	56.23	Vertical
3	6792.36	42.17	-46.87	35.14	-64.81	-13.00	51.81	Vertical
4	8490.45	40.23	-44.26	36.89	-62.41	-13.00	49.41	Vertical
5	10188.54	37.62	-42.11	38.67	-61.08	-13.00	48.08	Vertical
6	11886.63	36.22	-39.97	39.22	-59.79	-13.00	46.79	Vertical



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Test Band = LTE Band 70_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3401.18	44.26	-48.41	28.66	-70.75	-13.00	57.75	Horizontal
2	5101.77	42.59	-47.82	31.75	-68.75	-13.00	55.75	Horizontal
3	6802.36	41.71	-46.89	35.17	-65.27	-13.00	52.27	Horizontal
4	8502.95	39.23	-44.27	36.90	-63.39	-13.00	50.39	Horizontal
5	10203.54	37.81	-42.10	38.68	-60.87	-13.00	47.87	Horizontal
6	11904.13	36.14	-39.96	39.22	-59.86	-13.00	46.86	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3401.18	44.03	-48.41	28.66	-70.98	-13.00	57.98	Vertical
2	5101.77	42.79	-47.82	31.75	-68.55	-13.00	55.55	Vertical
3	6802.36	42.28	-46.89	35.17	-64.70	-13.00	51.70	Vertical
4	8502.95	40.00	-44.27	36.90	-62.62	-13.00	49.62	Vertical
5	10203.54	37.51	-42.10	38.68	-61.17	-13.00	48.17	Vertical
6	11904.13	35.82	-39.96	39.22	-60.18	-13.00	47.18	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
Band70	15MHz	QPSK	133047	75RB#0	VN	NT	-0.20	-0.000117	PASS
Band70	15MHz	QPSK	133047	75RB#0	VL	NT	8.20	0.004816	PASS
Band70	15MHz	QPSK	133047	75RB#0	VH	NT	5.50	0.003231	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band70	15MHz	QPSK	133047	75RB#0	NV	-30	3.50	0.002056	PASS
Band70	15MHz	QPSK	133047	75RB#0	NV	-20	3.90	0.002291	PASS
Band70	15MHz	QPSK	133047	75RB#0	NV	-10	5.50	0.003231	PASS
Band70	15MHz	QPSK	133047	75RB#0	NV	0	3.80	0.002232	PASS
Band70	15MHz	QPSK	133047	75RB#0	NV	10	5.60	0.003289	PASS
Band70	15MHz	QPSK	133047	75RB#0	NV	20	-5.50	-0.003231	PASS
Band70	15MHz	QPSK	133047	75RB#0	NV	30	-9.30	-0.005463	PASS
Band70	15MHz	QPSK	133047	75RB#0	NV	40	-9.80	-0.005756	PASS
Band70	15MHz	QPSK	133047	75RB#0	NV	50	-13.10	-0.007695	PASS

---End of Attachment---



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