



Appendix B

E-UTRA Band 7



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.14	22.18	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.36	22.40	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.08	22.12	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.30	21.34	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.25	21.29	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.24	21.28	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.25	21.29	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.02	22.06	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.07	22.11	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.27	22.31	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.15	21.19	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.19	21.23	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.15	21.19	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.15	21.19	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.44	22.48	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.22	22.26	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.20	22.24	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.35	21.39	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.41	21.45	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.35	21.39	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.37	21.41	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	20.52	20.56	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	20.51	20.55	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	20.77	20.81	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#0	19.53	19.57	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#6	19.59	19.63	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#13	19.54	19.58	33.00	PASS
Band7	5MHz	64QAM	20775	25RB#0	19.55	19.59	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	20.36	20.40	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	20.56	20.60	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	20.32	20.36	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#13	19.30	19.34	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#6	19.36	19.40	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#0	19.32	19.36	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	19.31	19.35	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	20.26	20.30	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	20.45	20.49	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	20.18	20.22	33.00	PASS



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Band7	5MHz	64QAM	21425	12RB#0	19.21	19.25	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#6	19.24	19.28	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#13	19.20	19.24	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	19.23	19.27	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.44	21.48	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.27	21.31	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.63	21.67	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.30	20.34	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.33	20.37	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.27	20.31	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.28	20.32	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.32	21.36	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.57	21.61	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.22	21.26	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.19	20.23	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.24	20.28	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.23	20.27	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.21	20.25	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.41	21.45	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.52	21.56	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.69	21.73	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.39	20.43	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.42	20.46	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.40	20.44	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.39	20.43	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.18	22.22	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.32	22.36	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.24	22.28	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.29	21.33	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.30	21.34	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.28	21.32	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.28	21.32	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.22	22.26	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.13	22.17	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.14	22.18	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.23	21.27	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.20	21.24	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.18	21.22	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.22	21.26	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.27	22.31	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.41	22.45	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.33	22.37	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.42	21.46	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.40	21.44	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.41	21.45	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.41	21.45	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	20.71	20.75	33.00	PASS



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Band7	10MHz	64QAM	20800	1RB#49	20.67	20.71	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	20.67	20.71	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#0	19.59	19.63	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#12	19.61	19.65	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#25	19.60	19.64	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	19.58	19.62	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	20.38	20.42	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	20.55	20.59	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	20.56	20.60	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#0	19.40	19.44	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#12	19.38	19.42	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#25	19.41	19.45	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	19.41	19.45	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	20.41	20.45	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	20.24	20.28	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	20.42	20.46	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#25	19.30	19.34	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#0	19.26	19.30	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#12	19.29	19.33	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	19.30	19.34	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.55	21.59	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.54	21.58	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.44	21.48	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.34	20.38	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.32	20.36	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.31	20.35	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.31	20.35	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.39	21.43	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.45	21.49	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.52	21.56	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.21	20.25	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.26	20.30	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.23	20.27	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.24	20.28	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.56	21.60	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.56	21.60	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.66	21.70	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.39	20.43	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.42	20.46	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.42	20.46	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.40	20.44	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.08	22.12	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.23	22.27	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.21	22.25	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#39	21.26	21.30	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#18	21.27	21.31	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#0	21.30	21.34	33.00	PASS



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Band7	15MHz	QPSK	20825	75RB#0	21.25	21.29	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.10	22.14	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.15	22.19	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.05	22.09	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#0	21.19	21.23	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#18	21.21	21.25	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#39	21.20	21.24	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.22	21.26	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.24	22.28	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.35	22.39	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.21	22.25	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#0	21.39	21.43	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#18	21.41	21.45	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#39	21.40	21.44	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.37	21.41	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	20.56	20.60	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	20.67	20.71	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	20.60	20.64	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#0	19.54	19.58	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#18	19.55	19.59	33.00	PASS
Band7	15MHz	64QAM	20825	36RB#39	19.53	19.57	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	19.54	19.58	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	20.44	20.48	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	20.28	20.32	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	20.47	20.51	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#39	19.33	19.37	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#0	19.38	19.42	33.00	PASS
Band7	15MHz	64QAM	21100	36RB#18	19.37	19.41	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	19.36	19.40	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	20.28	20.32	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	20.44	20.48	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	20.19	20.23	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#18	19.29	19.33	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#0	19.28	19.32	33.00	PASS
Band7	15MHz	64QAM	21375	36RB#39	19.25	19.29	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	19.27	19.31	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.49	21.53	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.39	21.43	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.30	21.34	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#0	20.30	20.34	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#39	20.28	20.32	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#18	20.31	20.35	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.28	20.32	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.40	21.44	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.33	21.37	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.44	21.48	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#0	20.19	20.23	33.00	PASS



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Band7	15MHz	16QAM	21100	36RB#18	20.20	20.24	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#39	20.20	20.24	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.22	20.26	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.51	21.55	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.60	21.64	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.40	21.44	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#0	20.35	20.39	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#18	20.39	20.43	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#39	20.39	20.43	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.38	20.42	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.03	22.07	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.30	22.34	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	21.89	21.93	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.26	21.30	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.24	21.28	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.25	21.29	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.22	21.26	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	21.88	21.92	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	21.93	21.97	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.24	22.28	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.13	21.17	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.23	21.27	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.16	21.20	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.14	21.18	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.41	22.45	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.06	22.10	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.01	22.05	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.40	21.44	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.31	21.35	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.41	21.45	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.38	21.42	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	20.46	20.50	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	20.73	20.77	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	20.38	20.42	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#50	19.56	19.60	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#0	19.50	19.54	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#25	19.57	19.61	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	19.50	19.54	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	20.35	20.39	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	20.58	20.62	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	20.12	20.16	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#0	19.35	19.39	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#25	19.40	19.44	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#50	19.32	19.36	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	19.31	19.35	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	20.00	20.04	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	20.20	20.24	33.00	PASS



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Band7	20MHz	64QAM	21350	1RB#49	20.45	20.49	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#0	19.26	19.30	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#50	19.30	19.34	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#25	19.29	19.33	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	19.26	19.30	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.28	21.32	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.56	21.60	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.22	21.26	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.26	20.30	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	20.29	20.33	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	20.27	20.31	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.27	20.31	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.23	21.27	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.13	21.17	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.53	21.57	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.12	20.16	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.24	20.28	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.19	20.23	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.13	20.17	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.38	21.42	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.22	21.26	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.70	21.74	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.41	20.45	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.39	20.43	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.32	20.36	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.37	20.41	33.00	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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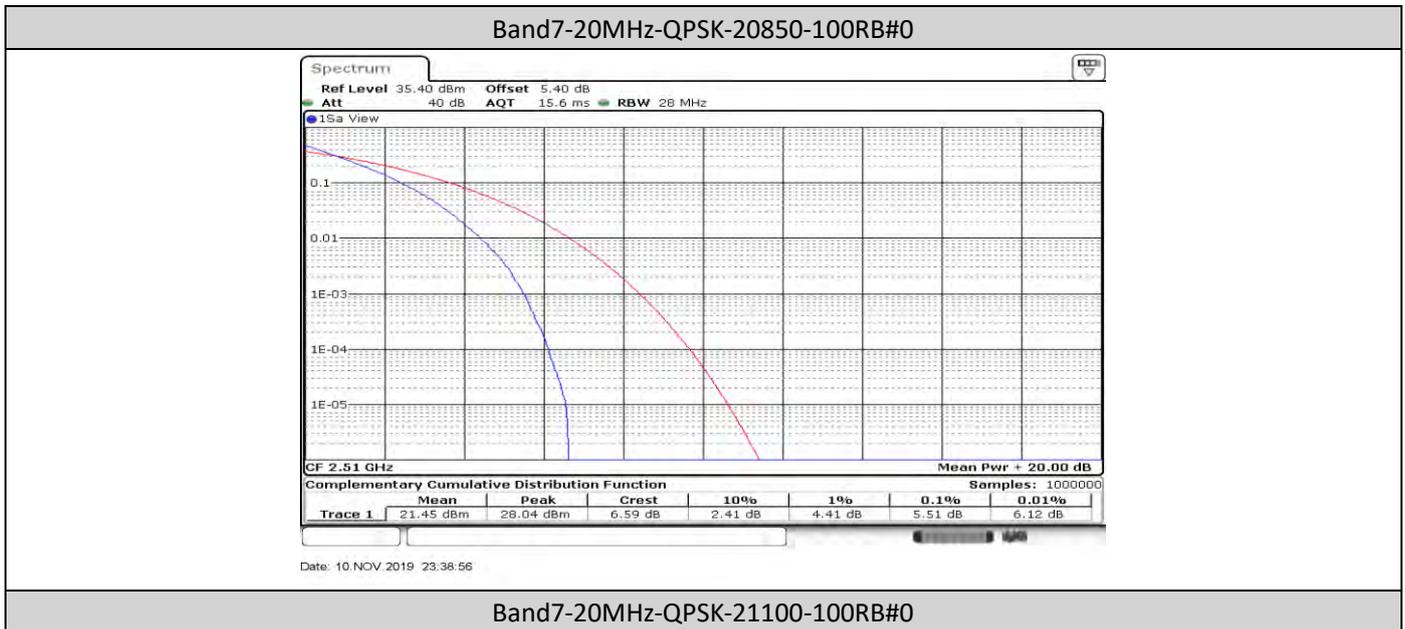


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.51	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.42	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.39	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.58	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.49	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.55	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.32	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.29	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.29	13	PASS

2.2. Test Plots

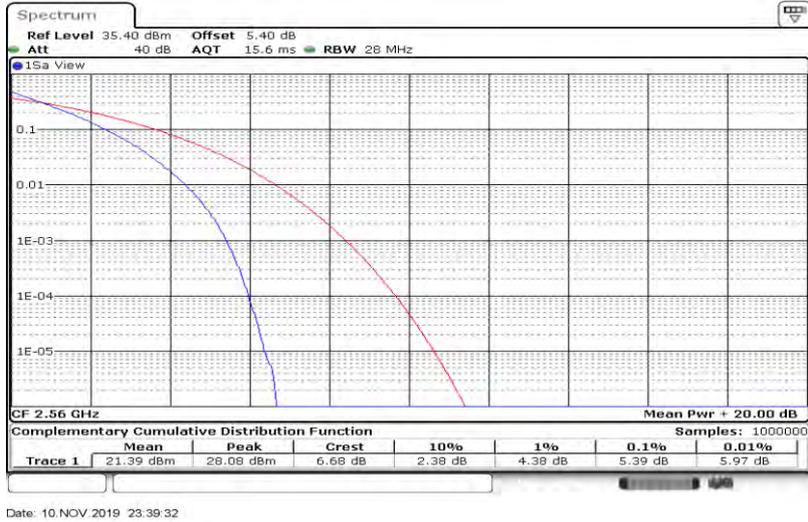


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Date: 10.NOV.2019 23:39:14

Band7-20MHz-QPSK-21350-100RB#0

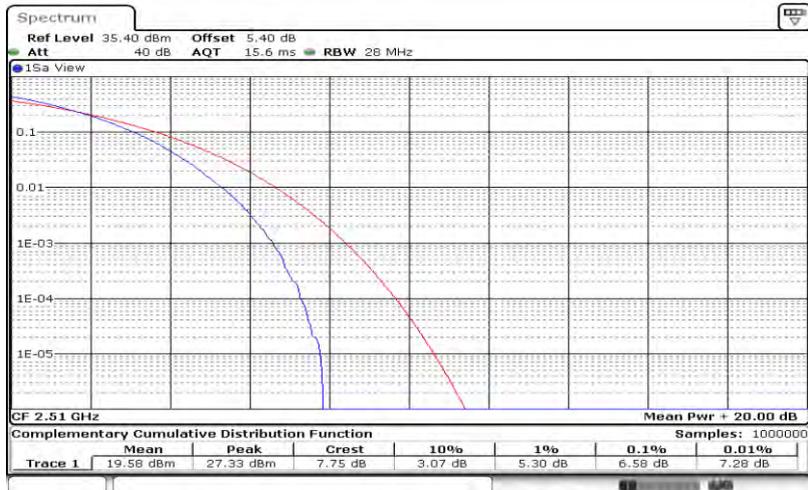


Date: 10.NOV.2019 23:39:32

Band7-20MHz-64QAM-20850-100RB#0



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Date: 28.NOV.2019 19:32:56

Band7-20MHz-64QAM-21100-100RB#0

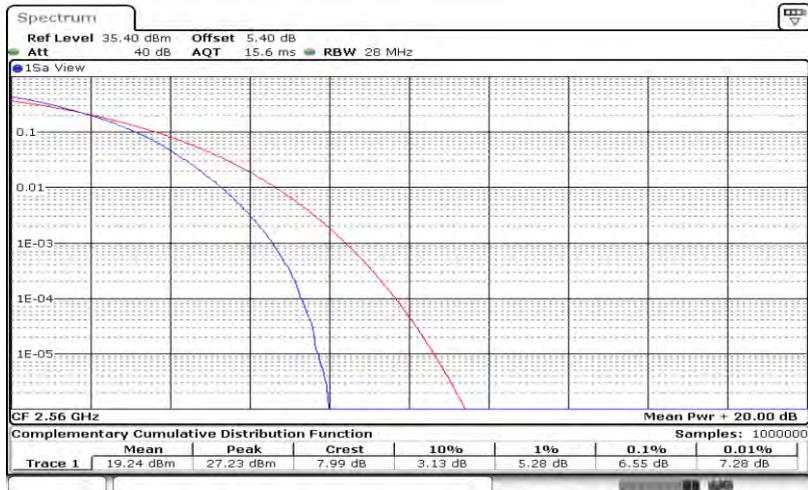


Date: 28.NOV.2019 19:33:07

Band7-20MHz-64QAM-21350-100RB#0

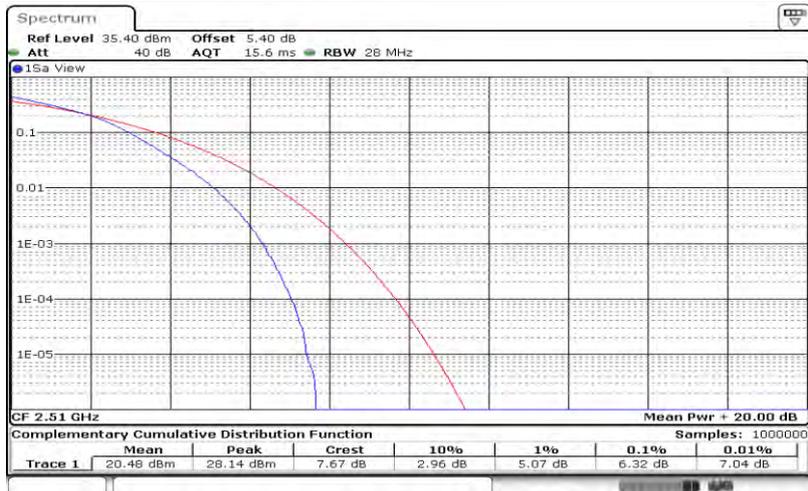


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Date: 28.NOV.2019 19:33:19

Band7-20MHz-16QAM-20850-100RB#0

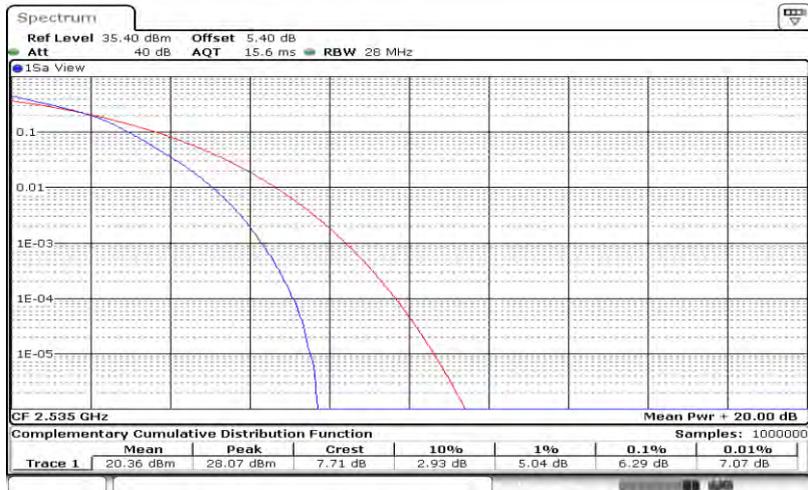


Date: 10.NOV.2019 23:39:04

Band7-20MHz-16QAM-21100-100RB#0

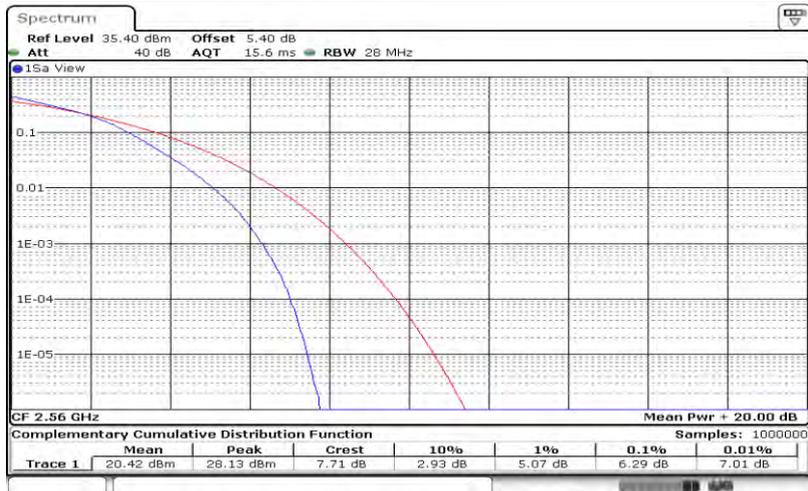


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Date: 10.NOV.2019 23:39:22

Band7-20MHz-16QAM-21350-100RB#0



Date: 10.NOV.2019 23:39:41



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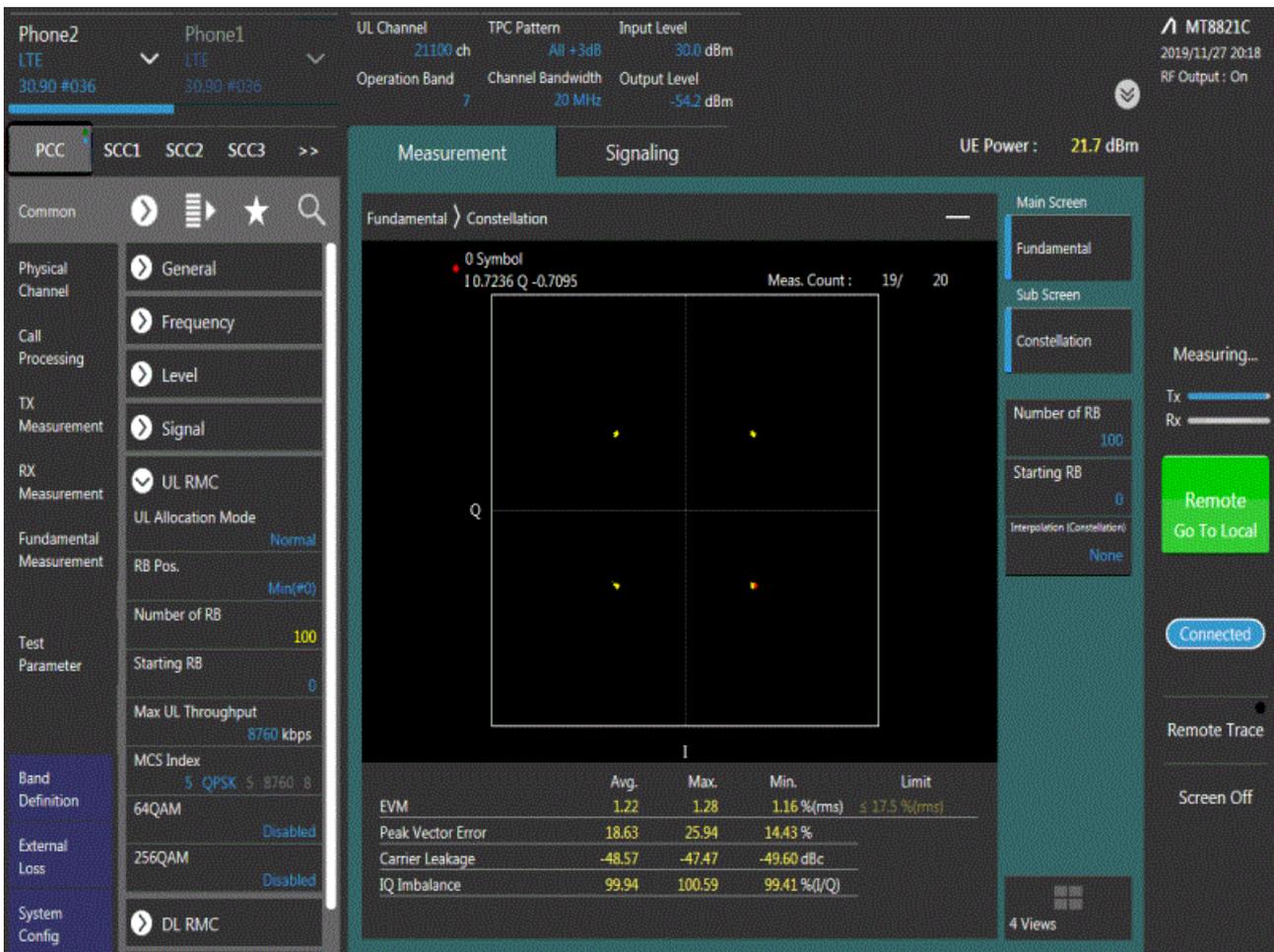


3. Modulation Characteristics

3.1. Test Band = LTE Band 7

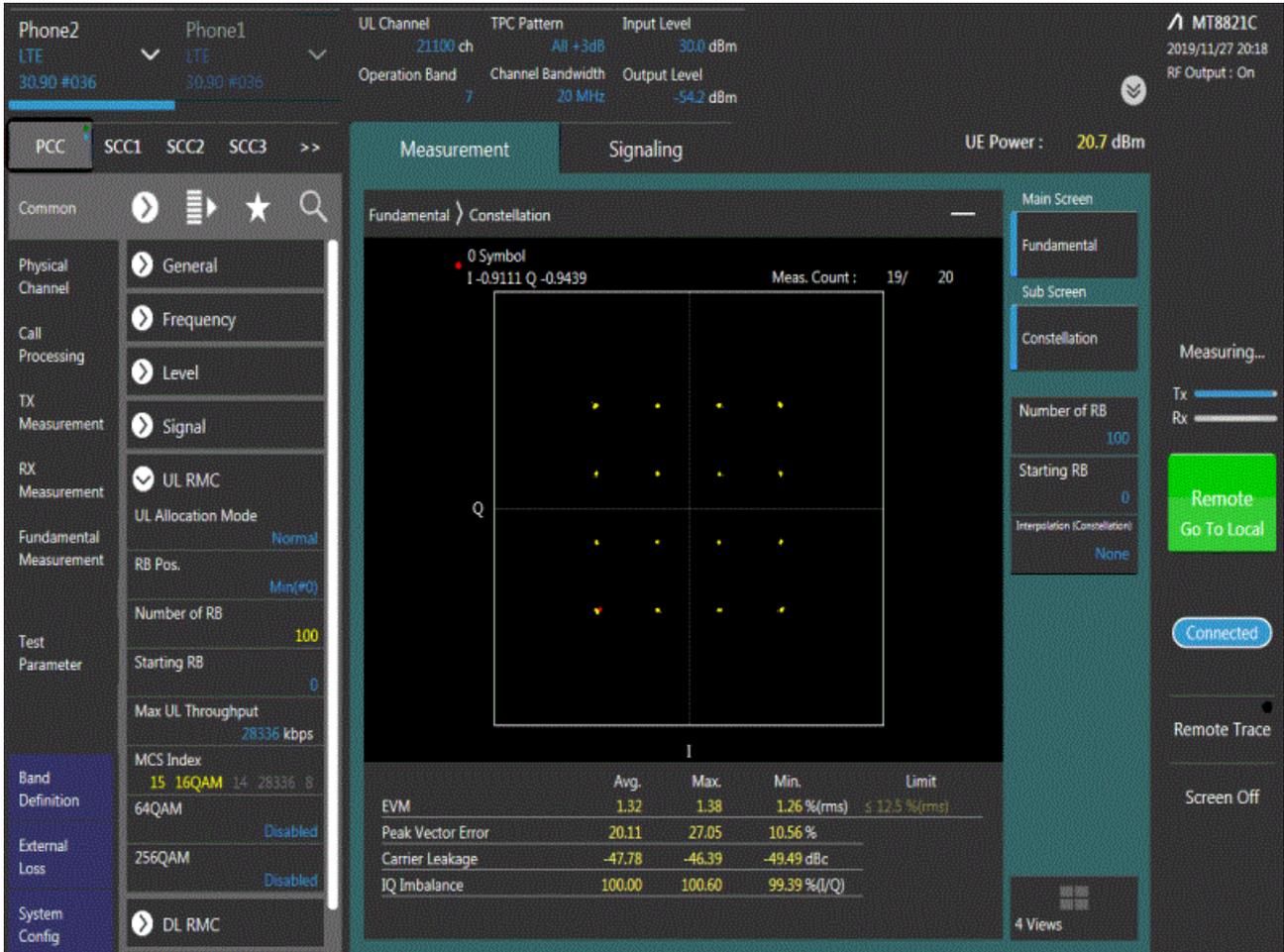
3.1.1. Test Mode = LTE /TM1 20MHz

3.1.1.1. Test Channel = MCH



3.1.2. Test Mode = LTE /TM2 20MHz

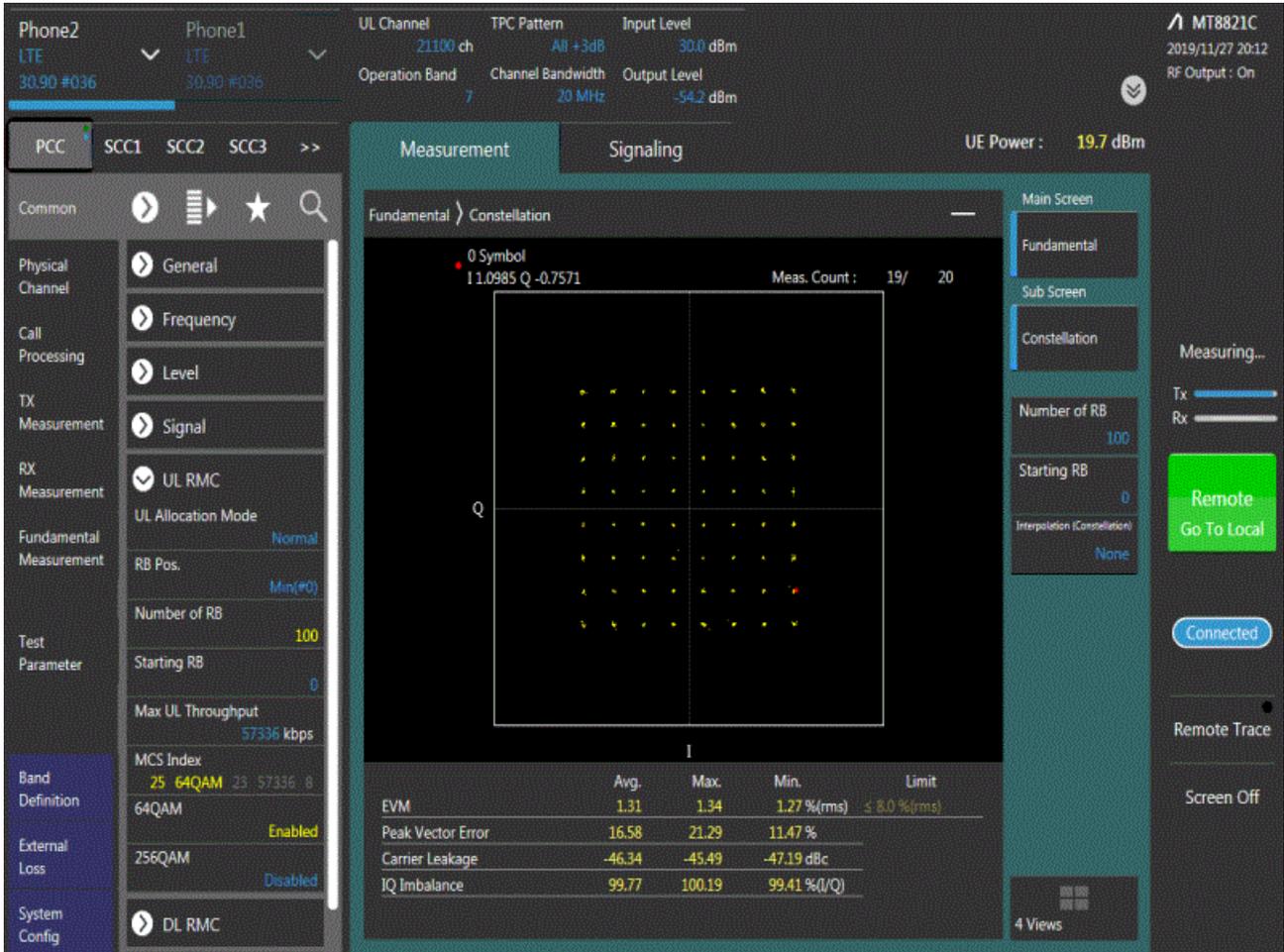
3.1.2.1. Test Channel = MCH



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3.1.3. Test Mode = LTE /TM3 20MHz

3.1.3.1. Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.476	4.850	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.870	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.466	4.840	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.466	4.830	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.476	4.840	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.466	4.820	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.456	4.790	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.466	4.800	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.466	4.860	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.951	9.660	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.931	9.660	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.951	9.640	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.911	9.560	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.911	9.580	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.931	9.580	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.931	9.520	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.931	9.560	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.931	9.600	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.457	14.790	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.457	14.790	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.457	14.730	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.457	14.760	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.427	14.790	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.457	14.700	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.457	14.730	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.457	14.730	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.457	14.670	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.862	19.200	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.902	19.520	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.862	19.200	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.822	19.360	PASS



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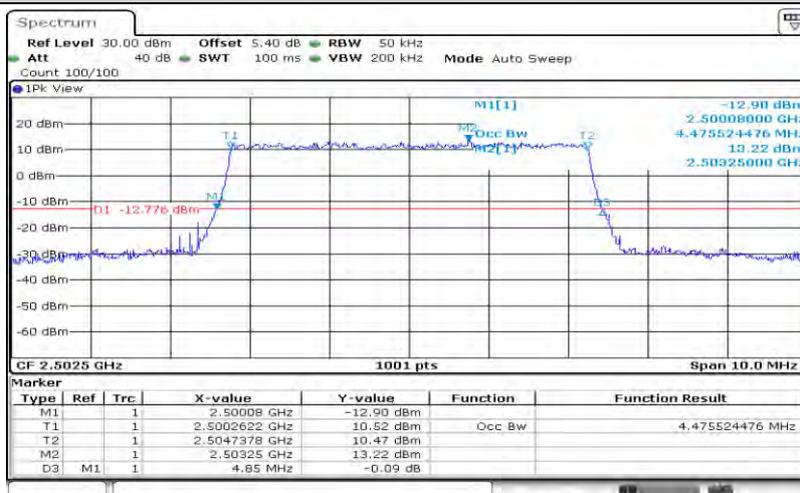
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Band7	20MHz	64QAM	21100	100RB#0	17.862	19.320	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.862	19.320	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.902	19.240	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.862	19.320	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.902	19.360	PASS

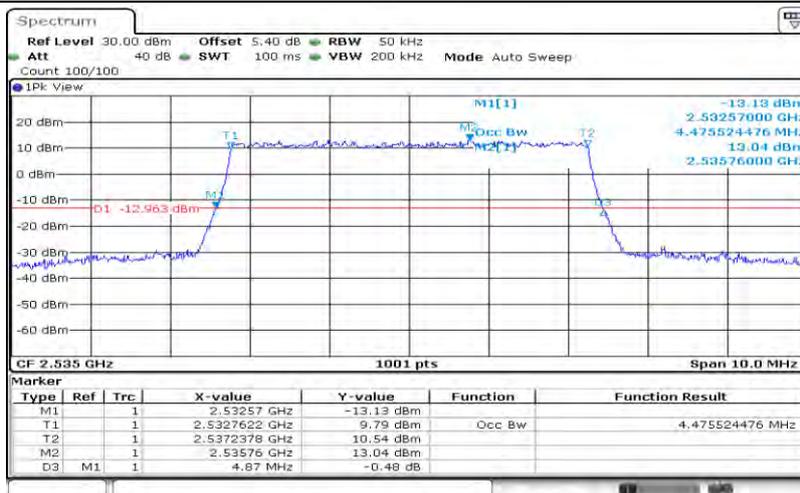
4.2. Test Plots

Band7-5MHz-QPSK-20775-25RB#0-4.476



Date: 10.NOV.2019 23:14:00

Band7-5MHz-QPSK-21100-25RB#0-4.476



Date: 10.NOV.2019 23:14:36

Band7-5MHz-QPSK-21425-25RB#0-4.466

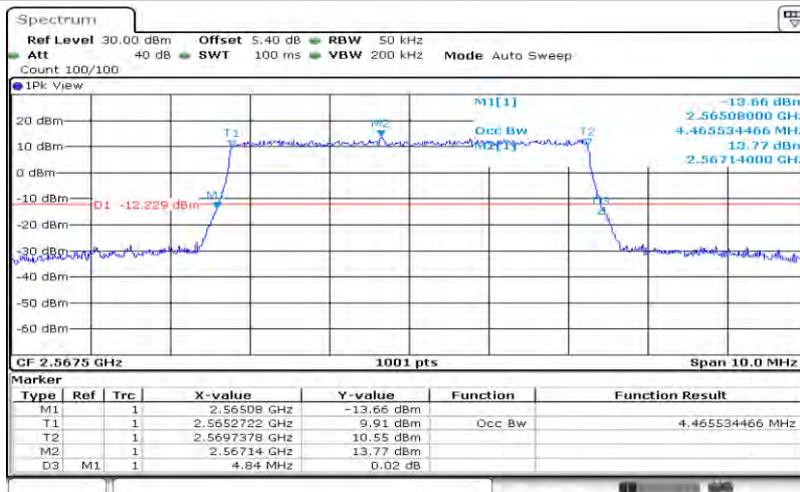


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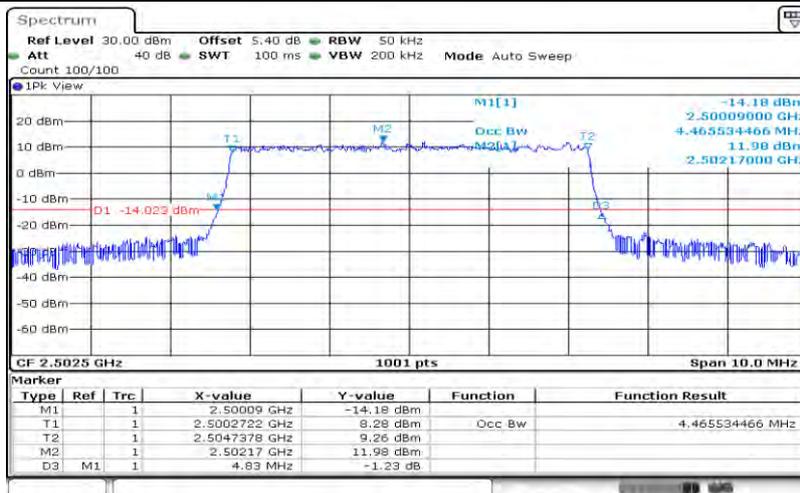
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Date: 10.NOV.2019 23:15:11

Band7-5MHz-64QAM-20775-25RB#0-4.466



Date: 28.NOV.2019 19:21:35

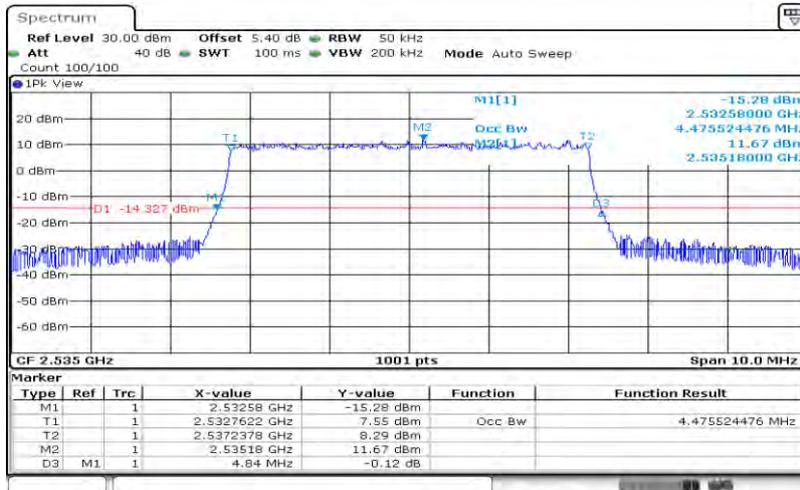
Band7-5MHz-64QAM-21100-25RB#0-4.476



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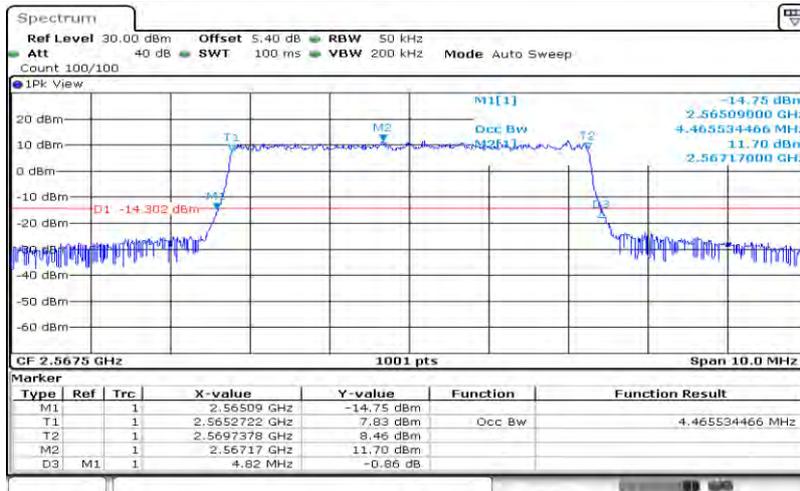
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Date: 28.NOV.2019 19:21:55

Band7-5MHz-64QAM-21425-25RB#0-4.466

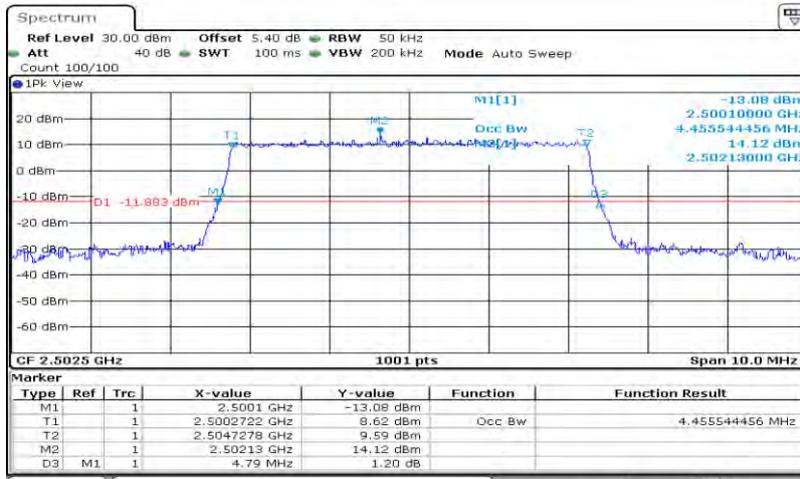


Date: 28.NOV.2019 19:22:14

Band7-5MHz-16QAM-20775-25RB#0-4.456

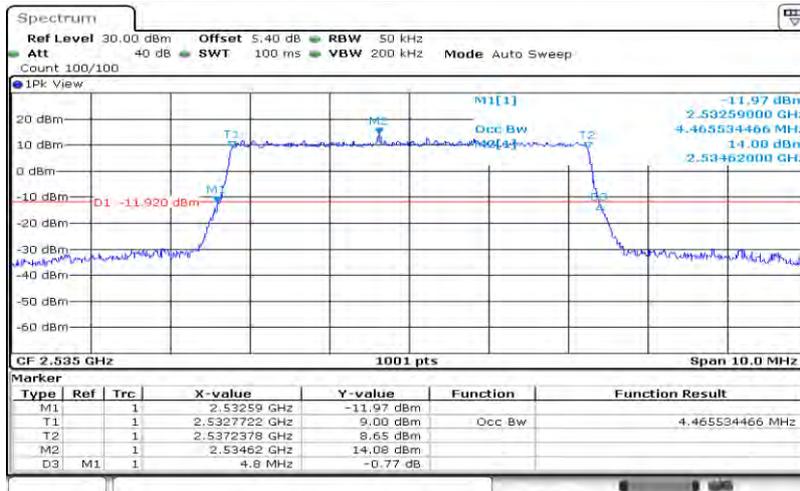


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Date: 10.NOV.2019 23:14:17

Band7-5MHz-16QAM-21100-25RB#0-4.466

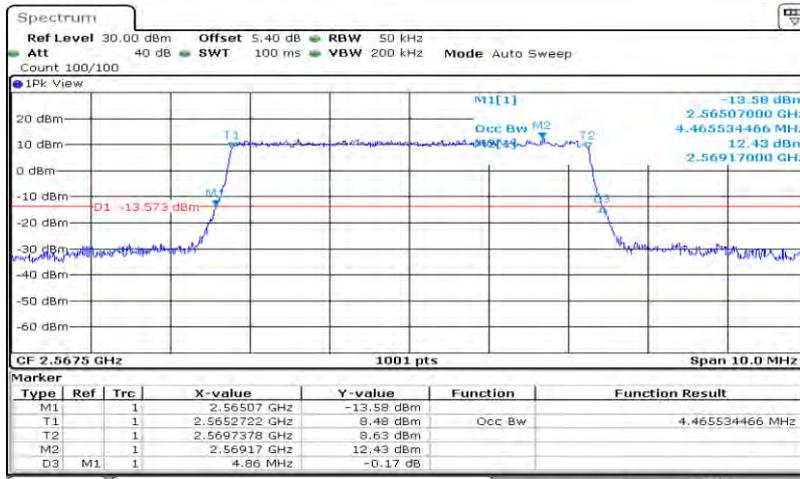


Date: 10.NOV.2019 23:14:52

Band7-5MHz-16QAM-21425-25RB#0-4.466

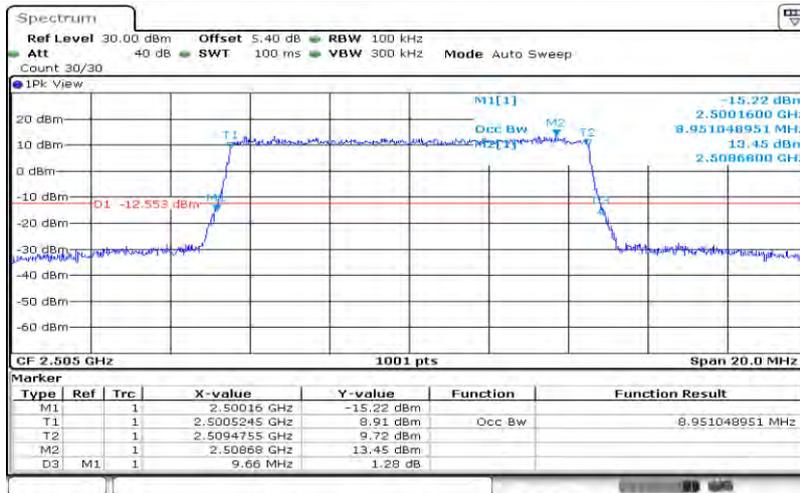


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Date: 10.NOV.2019 23:15:28

Band7-10MHz-QPSK-20800-50RB#0-8.951

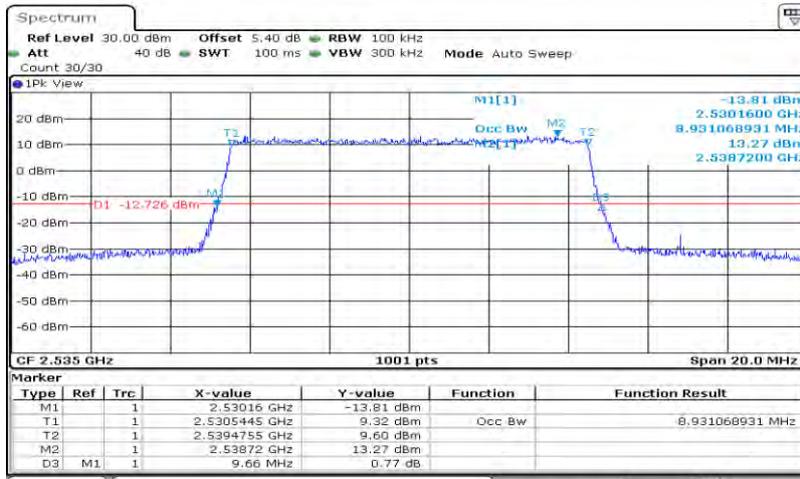


Date: 10.NOV.2019 23:16:16

Band7-10MHz-QPSK-21100-50RB#0-8.931

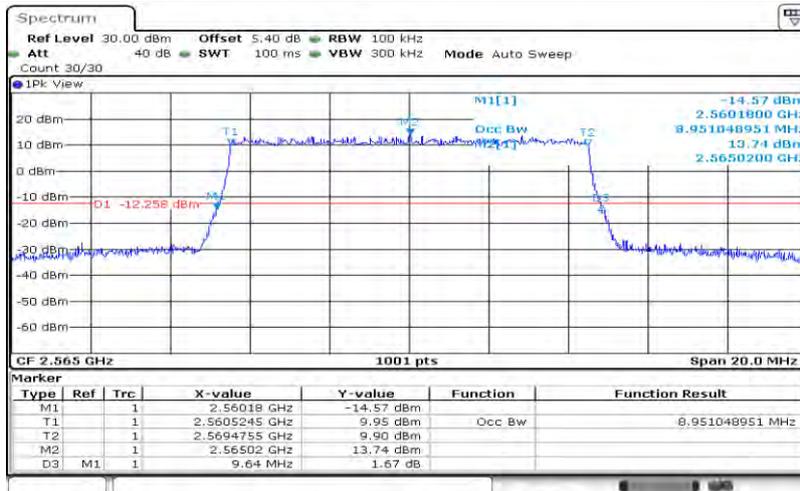


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Date: 10.NOV.2019 23:16:37

Band7-10MHz-QPSK-21400-50RB#0-8.951

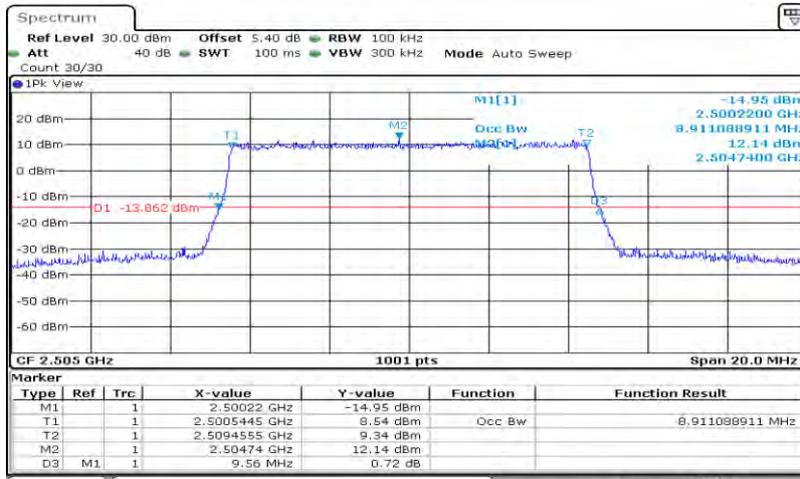


Date: 10.NOV.2019 23:16:58

Band7-10MHz-64QAM-20800-50RB#0-8.911

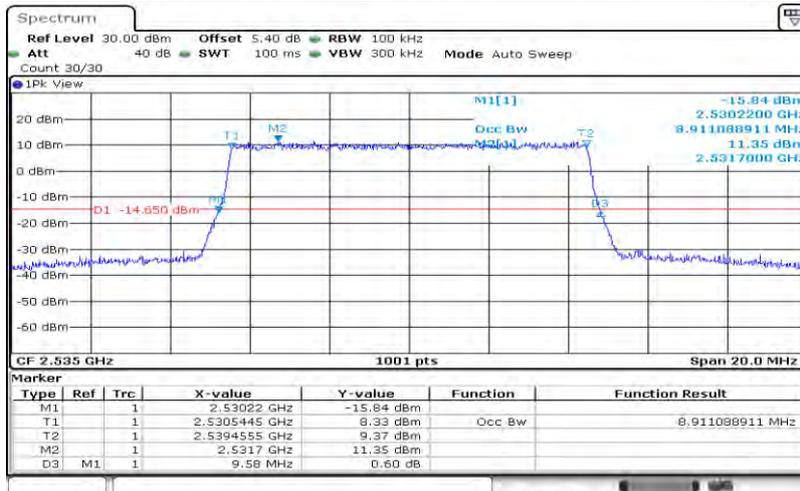


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Date: 28.NOV.2019 19:22:32

Band7-10MHz-64QAM-21100-50RB#0-8.911

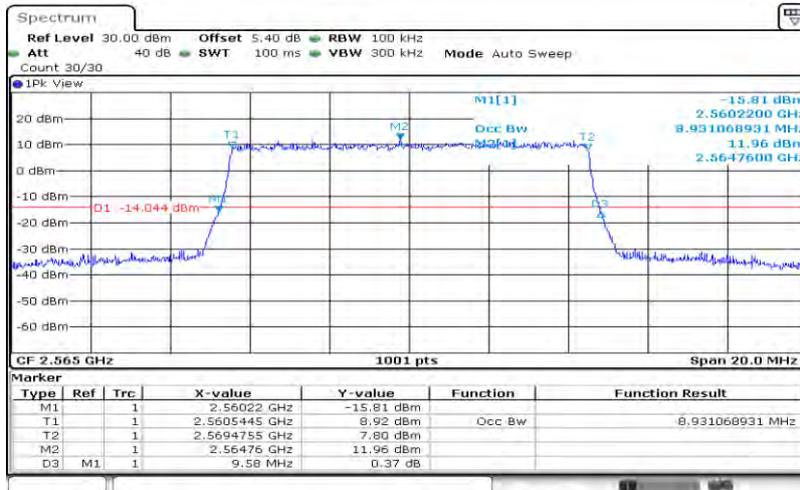


Date: 28.NOV.2019 19:22:45

Band7-10MHz-64QAM-21400-50RB#0-8.931

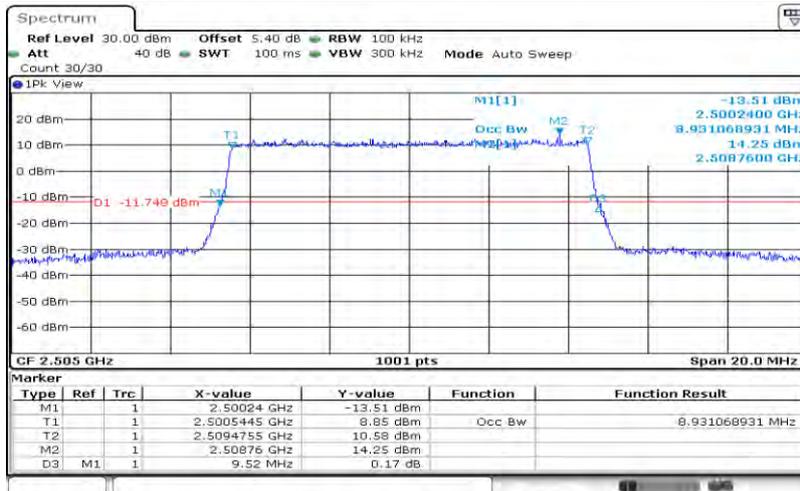


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Date: 26.NOV.2019 19:22:58

Band7-10MHz-16QAM-20800-50RB#0-8.931

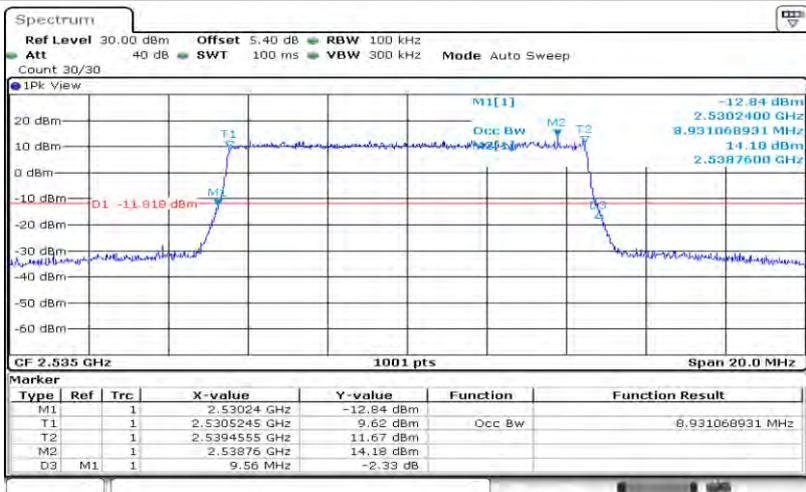


Date: 10.NOV.2019 23:16:26

Band7-10MHz-16QAM-21100-50RB#0-8.931

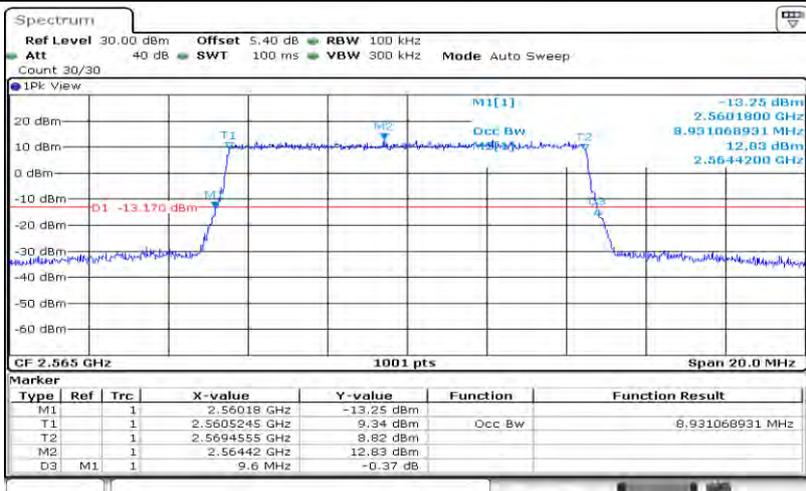


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Date: 10.NOV.2019 23:16:47

Band7-10MHz-16QAM-21400-50RB#0-8.931

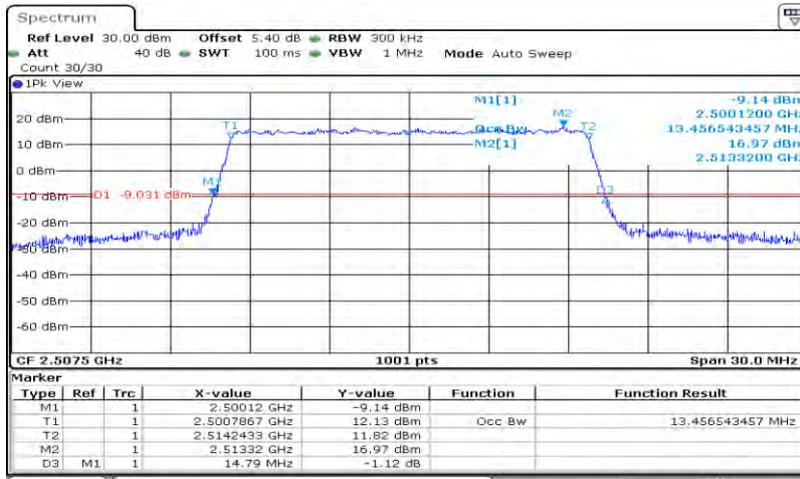


Date: 10.NOV.2019 23:17:08

Band7-15MHz-QPSK-20825-75RB#0-13.457

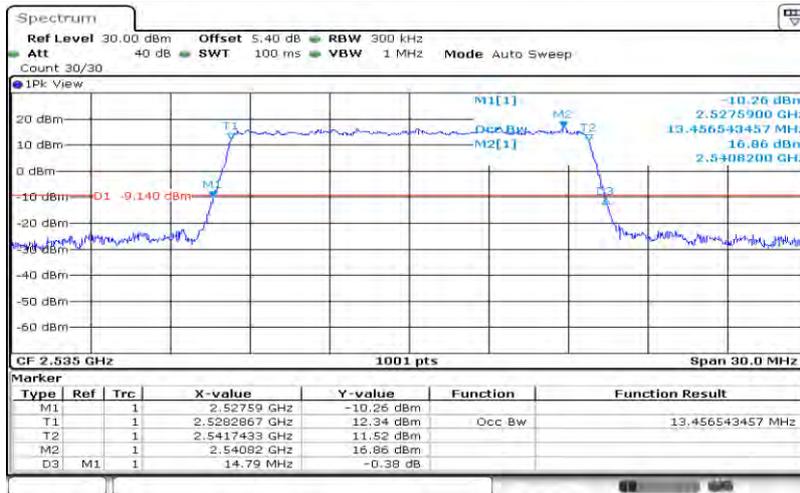


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Date: 10.NOV.2019 23:18:12

Band7-15MHz-QPSK-21100-75RB#0-13.457

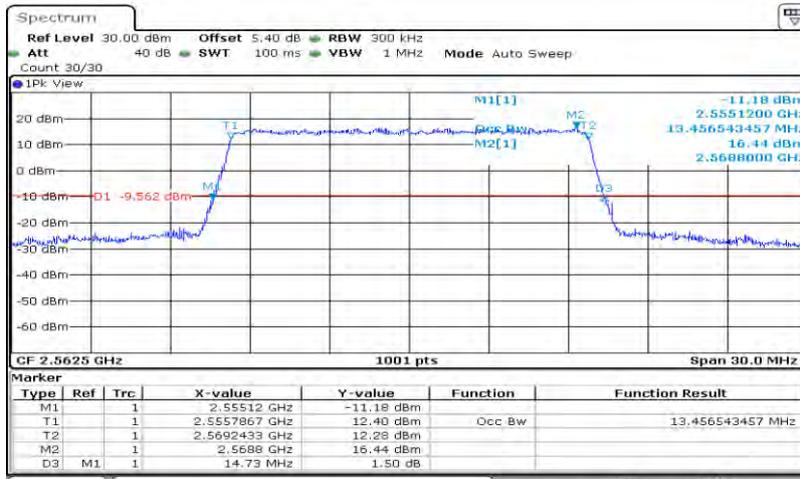


Date: 10.NOV.2019 23:18:33

Band7-15MHz-QPSK-21375-75RB#0-13.457

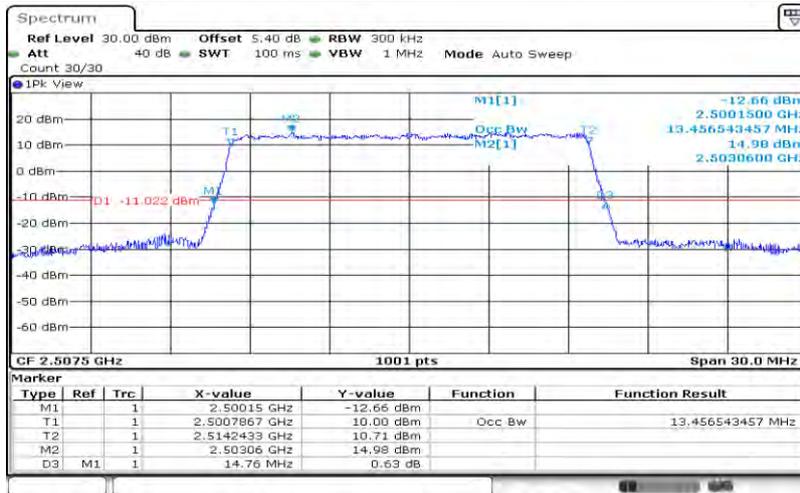


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Date: 10.NOV.2019 23:18:54

Band7-15MHz-64QAM-20825-75RB#0-13.457

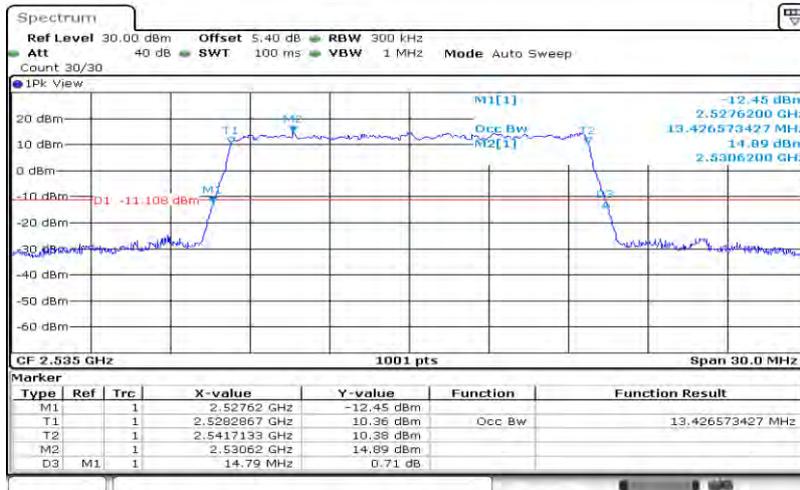


Date: 28.NOV.2019 19:23:16

Band7-15MHz-64QAM-21100-75RB#0-13.427

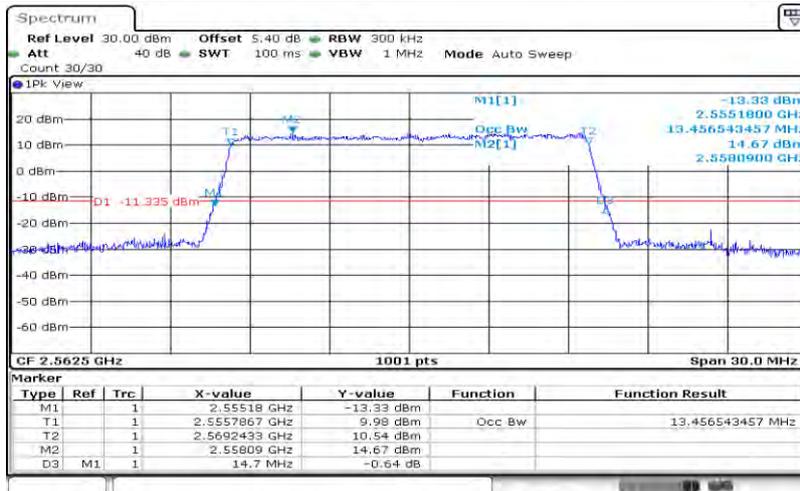


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Date: 28.NOV.2019 19:23:29

Band7-15MHz-64QAM-21375-75RB#0-13.457



Date: 28.NOV.2019 19:23:42

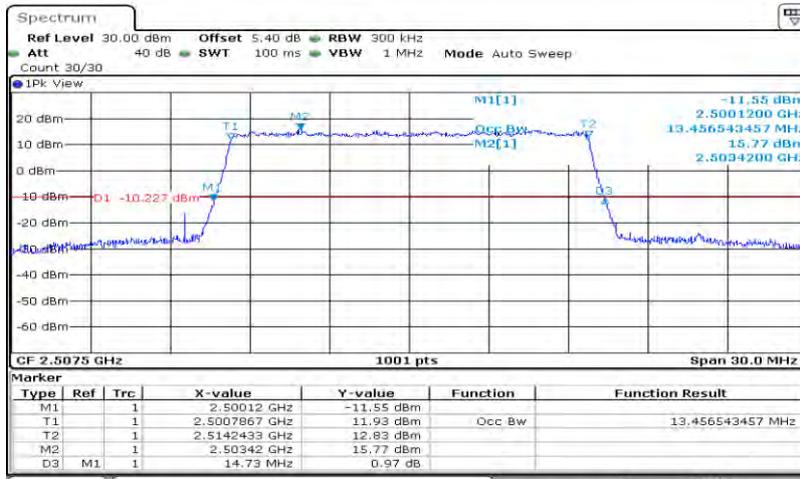
Band7-15MHz-16QAM-20825-75RB#0-13.457



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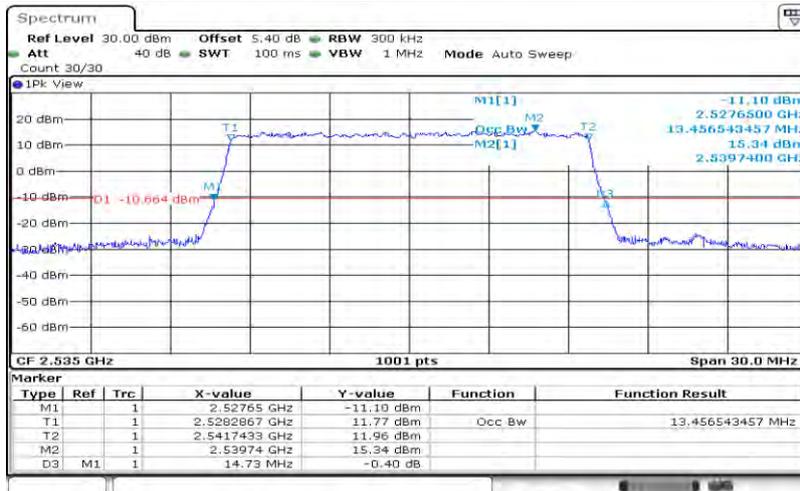
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Date: 10.NOV.2019 23:18:22

Band7-15MHz-16QAM-21100-75RB#0-13.457

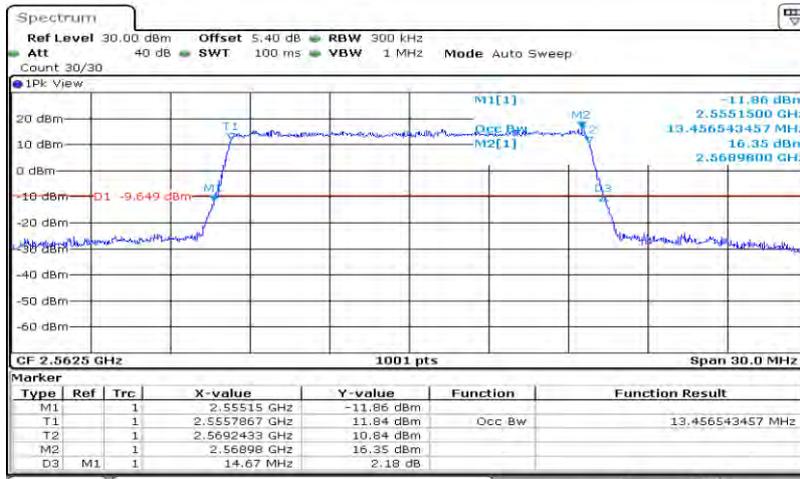


Date: 10.NOV.2019 23:18:43

Band7-15MHz-16QAM-21375-75RB#0-13.457

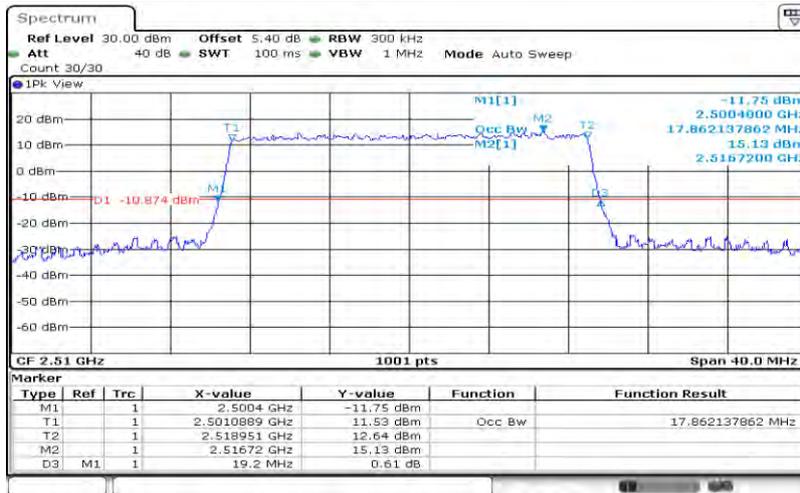


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Date: 10.NOV.2019 23:19:03

Band7-20MHz-QPSK-20850-100RB#0-17.862

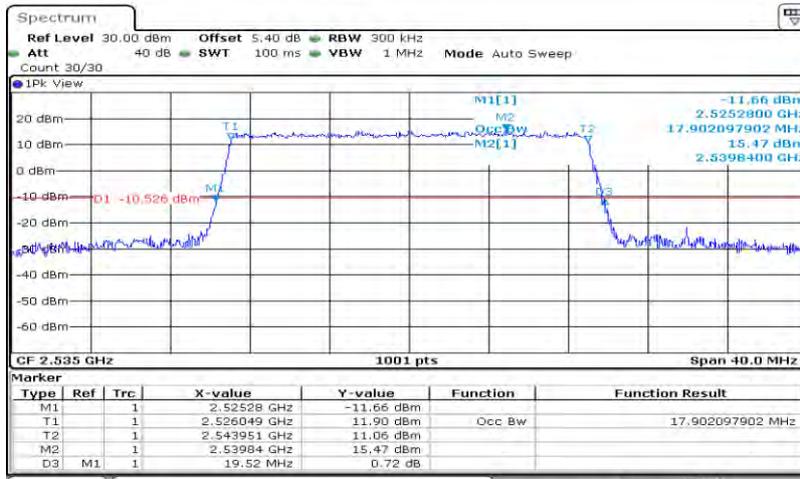


Date: 10.NOV.2019 23:20:38

Band7-20MHz-QPSK-21100-100RB#0-17.902

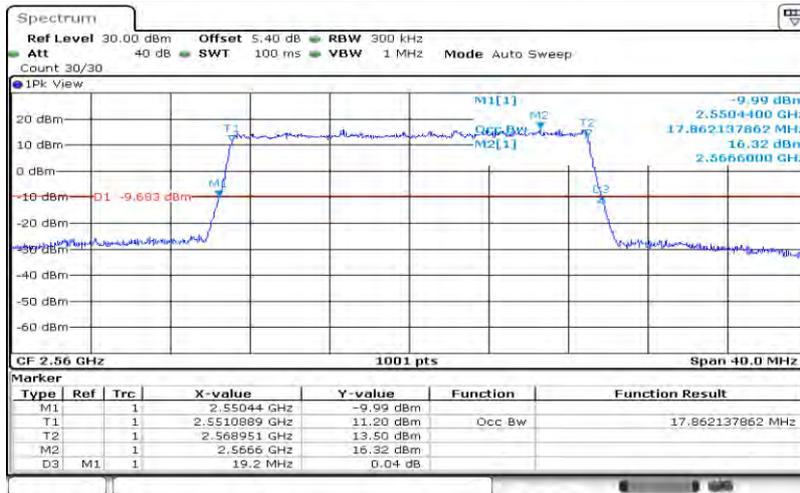


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Date: 10.NOV.2019 23:21:00

Band7-20MHz-QPSK-21350-100RB#0-17.862

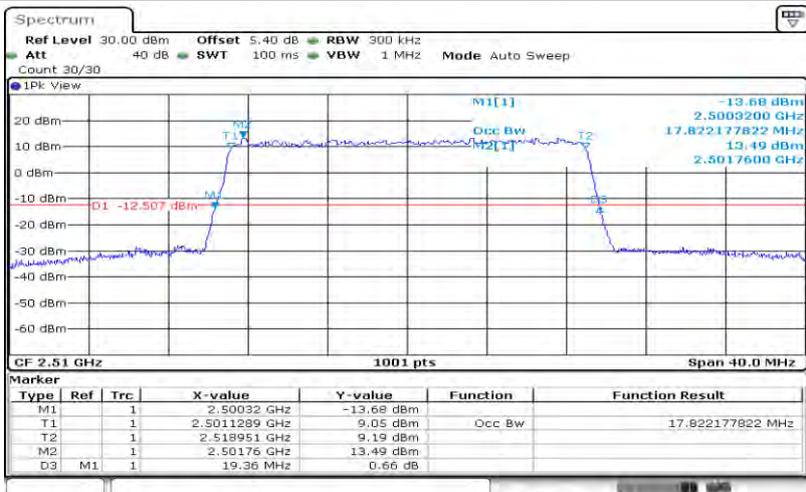


Date: 10.NOV.2019 23:21:21

Band7-20MHz-64QAM-20850-100RB#0-17.822

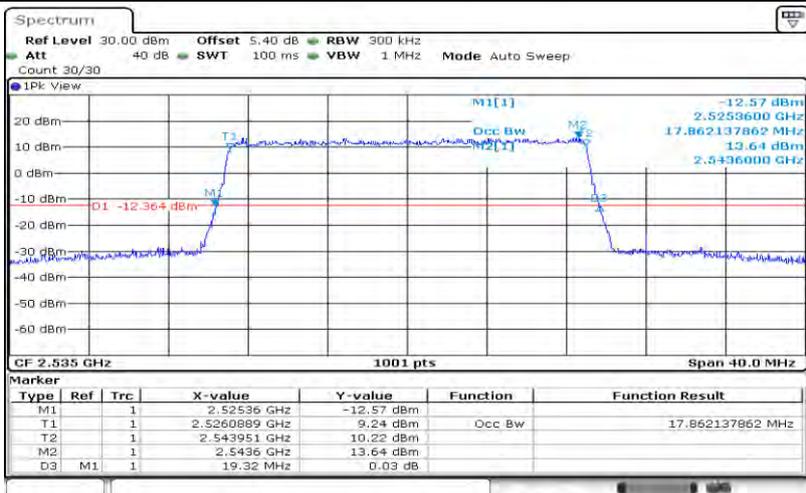


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Date: 28.NOV.2019 19:24:00

Band7-20MHz-64QAM-21100-100RB#0-17.862

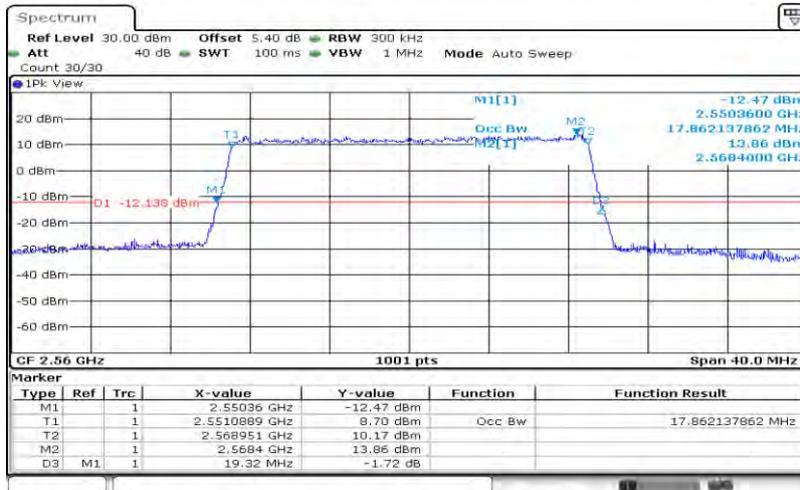


Date: 28.NOV.2019 19:24:12

Band7-20MHz-64QAM-21350-100RB#0-17.862

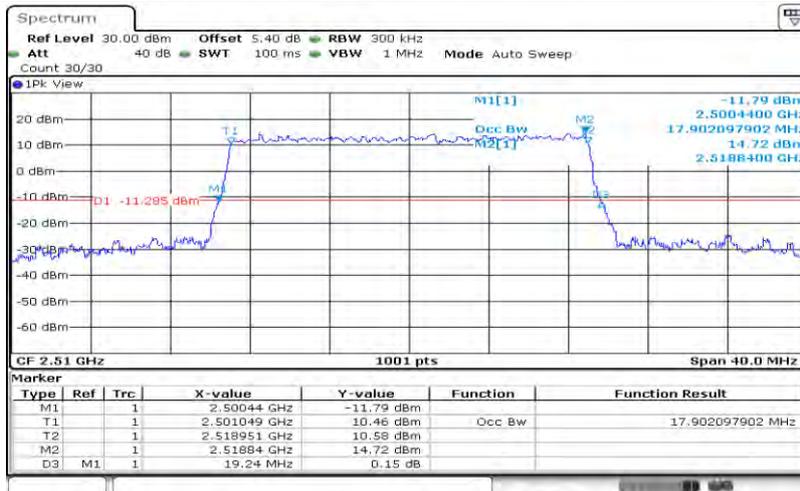


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Date: 26.NOV.2019 19:24:25

Band7-20MHz-16QAM-20850-100RB#0-17.902



Date: 10.NOV.2019 23:20:48

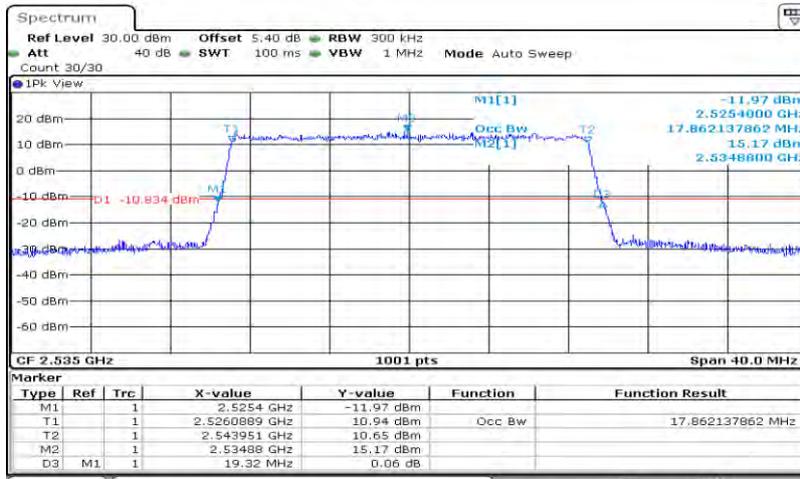
Band7-20MHz-16QAM-21100-100RB#0-17.862



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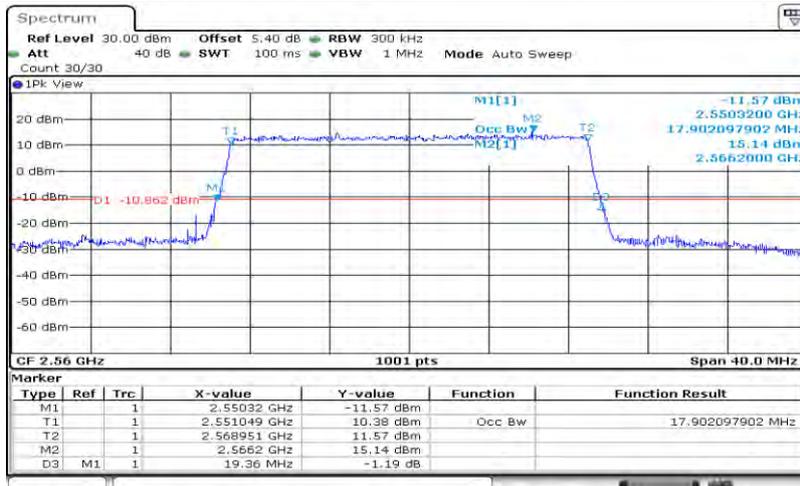
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Date: 10.NOV.2019 23:21:09

Band7-20MHz-16QAM-21350-100RB#0-17.902



Date: 10.NOV.2019 23:21:31

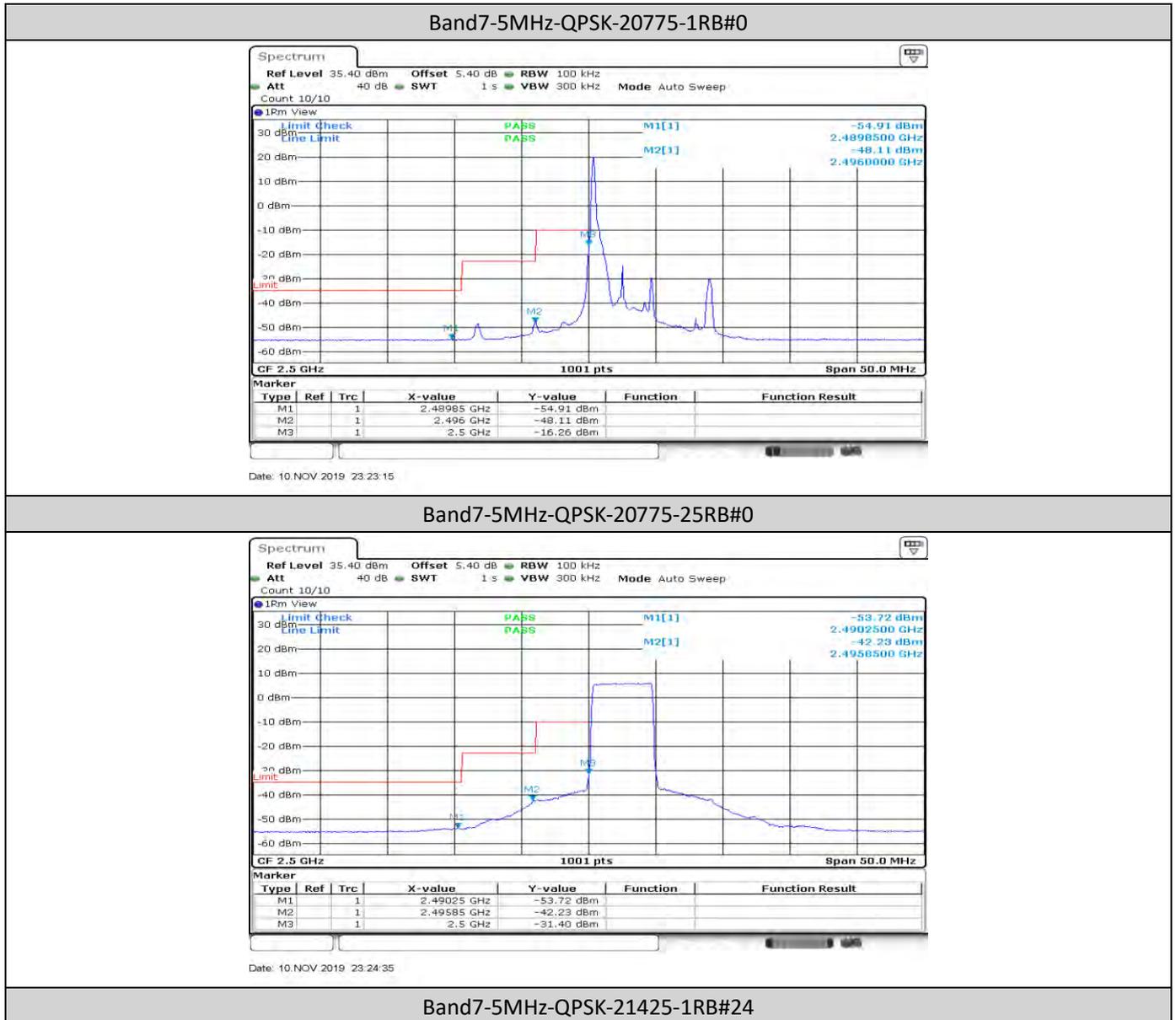


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5. Band Edge Compliance

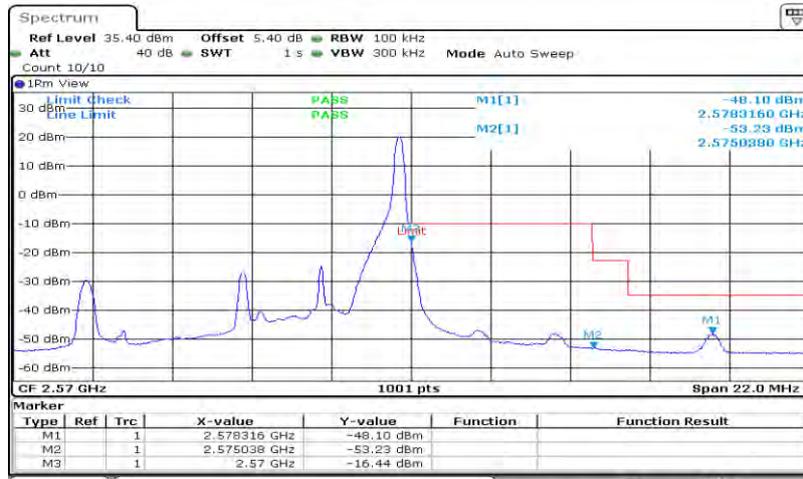
5.1. Test Plots



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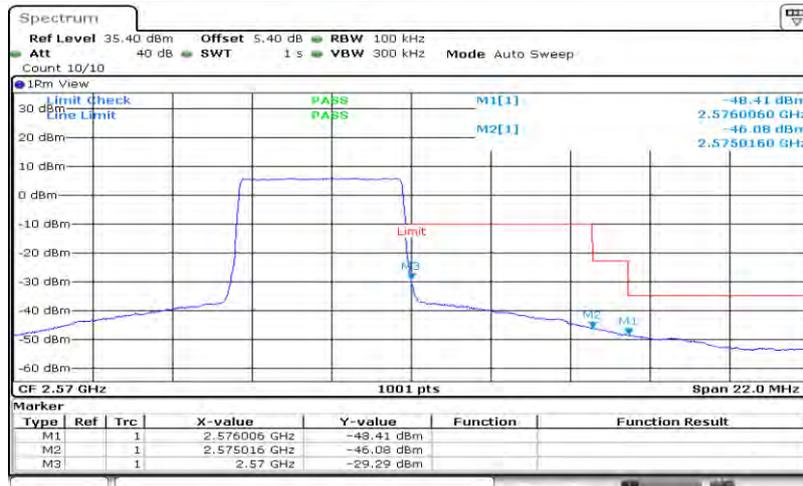
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Date: 10.NOV.2019 23:23:56

Band7-5MHz-QPSK-21425-25RB#0



Date: 10.NOV.2019 23:25:11

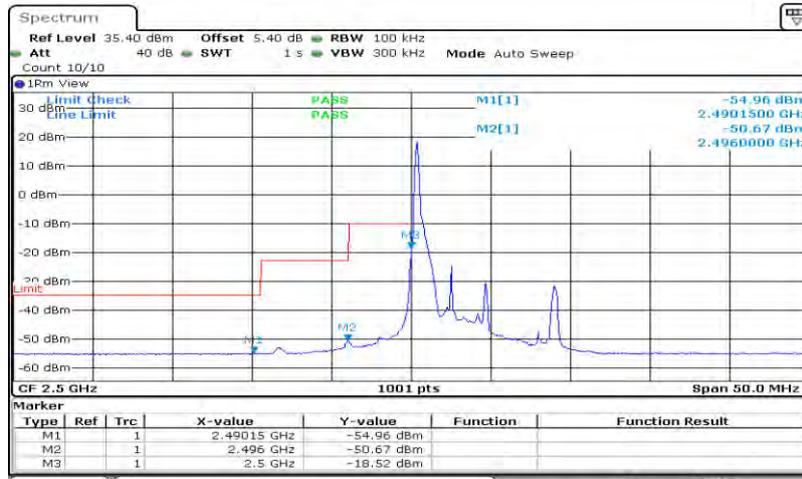
Band7-5MHz-64QAM-20775-1RB#0



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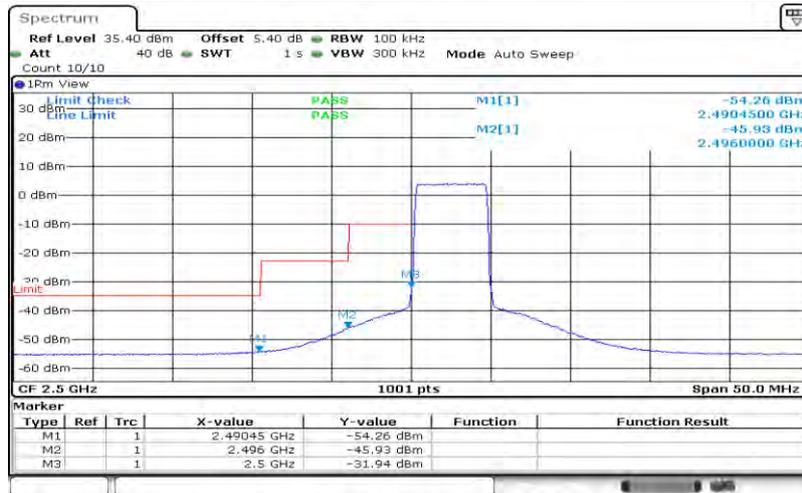
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Date: 28.NOV.2019 19:24:51

Band7-5MHz-64QAM-20775-25RB#0

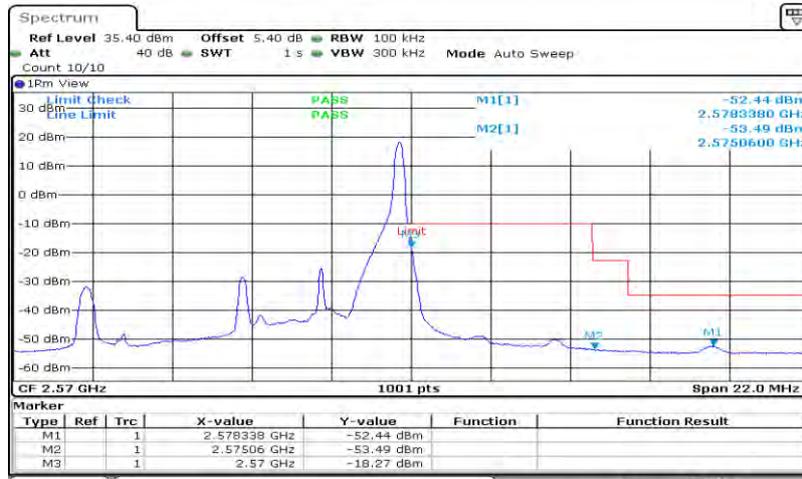


Date: 28.NOV.2019 19:25:41

Band7-5MHz-64QAM-21425-1RB#24

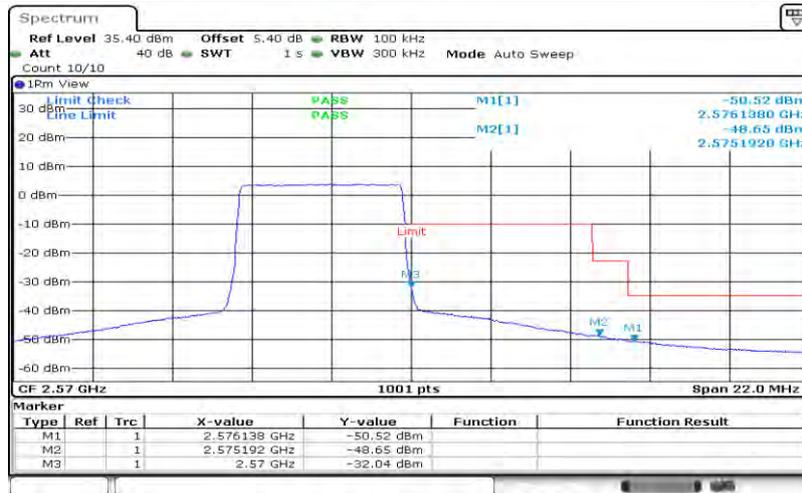


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Date: 28.NOV.2019 19:25:16

Band7-5MHz-64QAM-21425-25RB#0

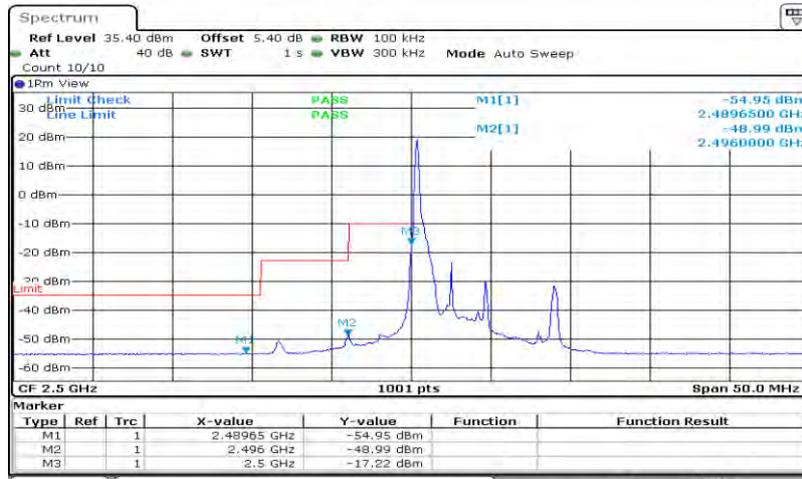


Date: 28.NOV.2019 19:26:01

Band7-5MHz-16QAM-20775-1RB#0

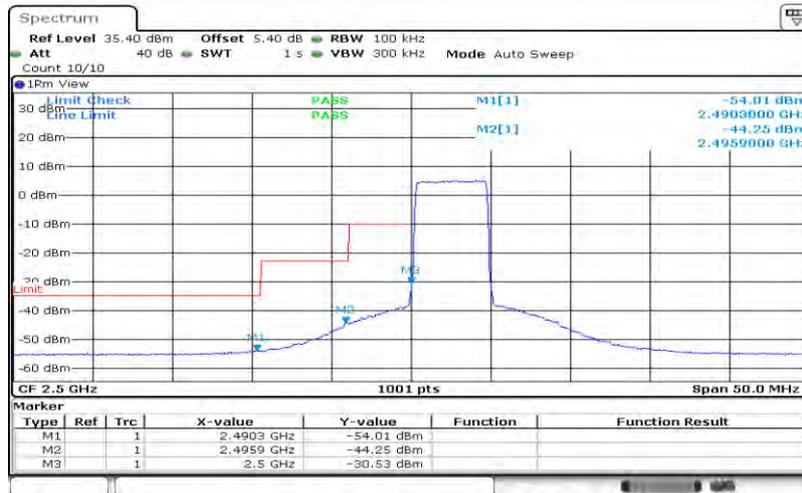


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Date: 10.NOV.2019 23:23:33

Band7-5MHz-16QAM-20775-25RB#0

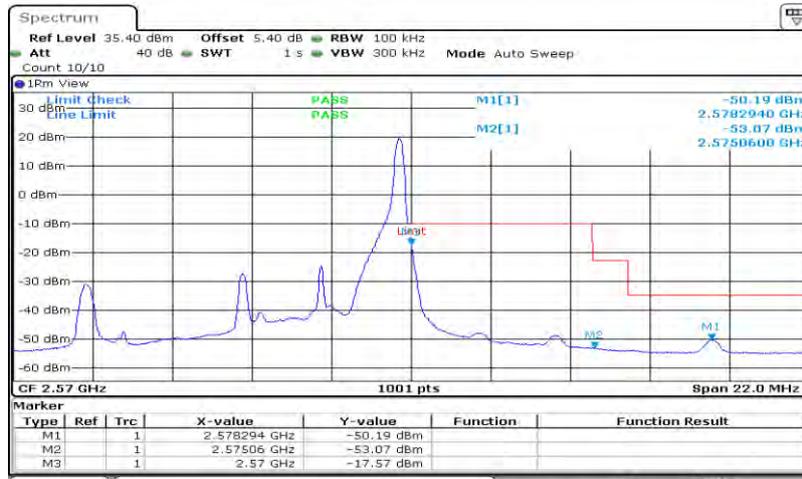


Date: 10.NOV.2019 23:24:53

Band7-5MHz-16QAM-21425-1RB#24

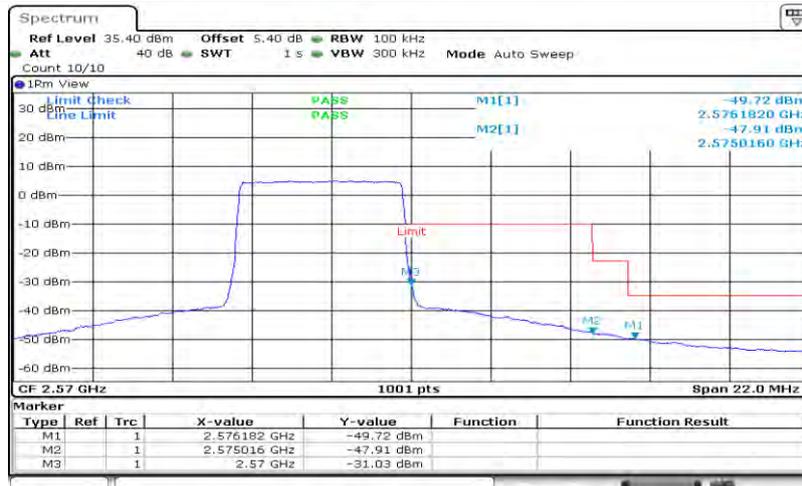


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Date: 10.NOV.2019 23:24:14

Band7-5MHz-16QAM-21425-25RB#0

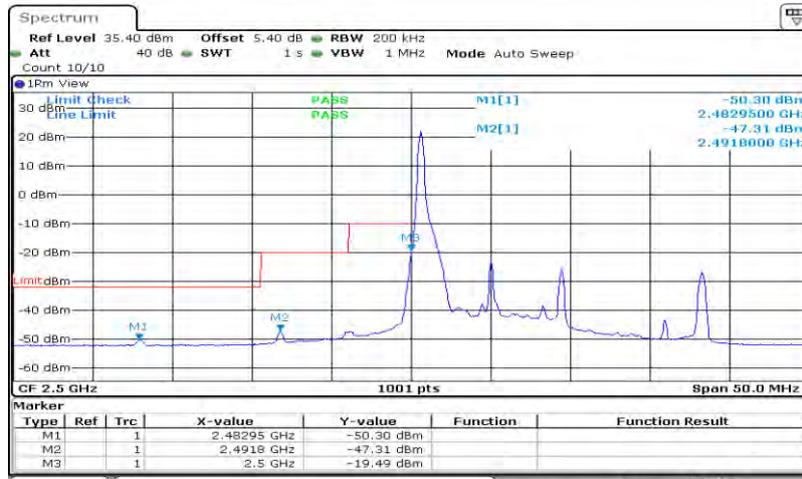


Date: 10.NOV.2019 23:25:29

Band7-10MHz-QPSK-20800-1RB#0

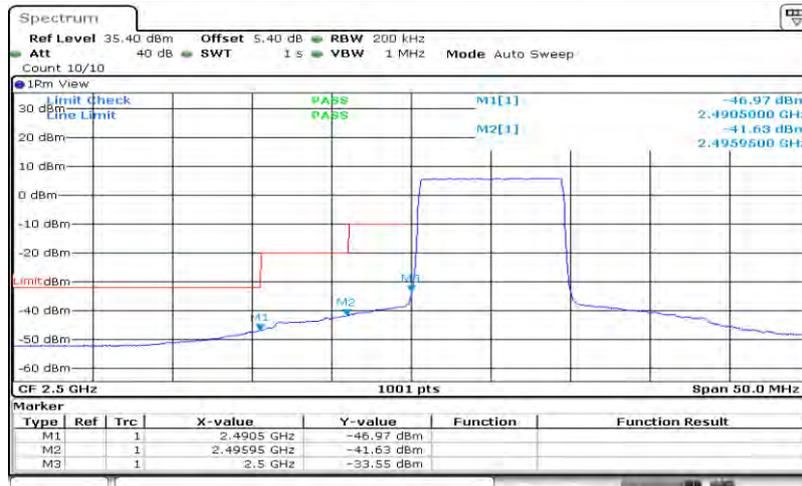


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Date: 10.NOV.2019 23:26:26

Band7-10MHz-QPSK-20800-50RB#0

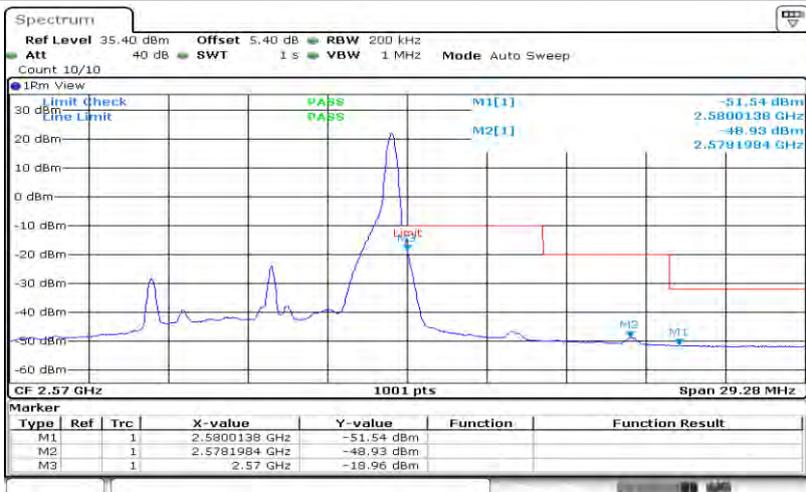


Date: 10.NOV.2019 23:27:45

Band7-10MHz-QPSK-21400-1RB#49

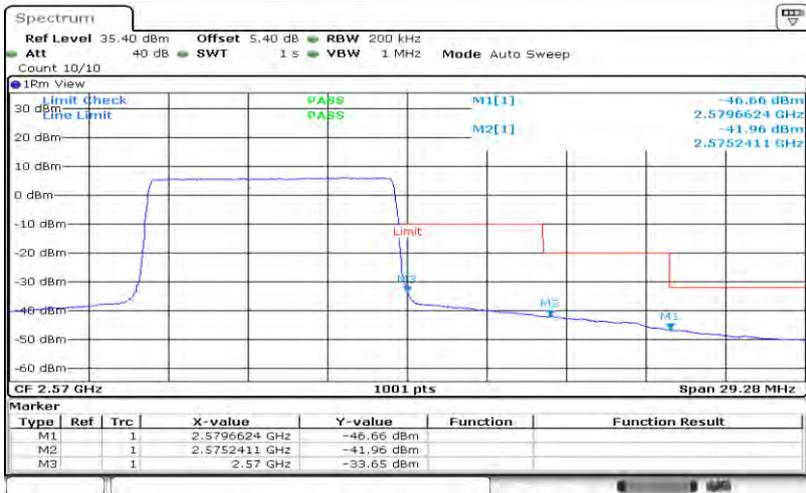


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Date: 10.NOV.2019 23:27:05

Band7-10MHz-QPSK-21400-50RB#0

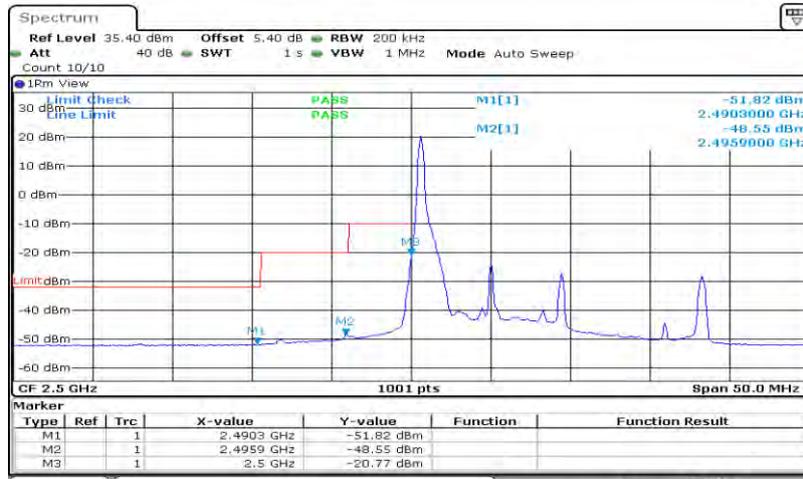


Date: 10.NOV.2019 23:28:22

Band7-10MHz-64QAM-20800-1RB#0

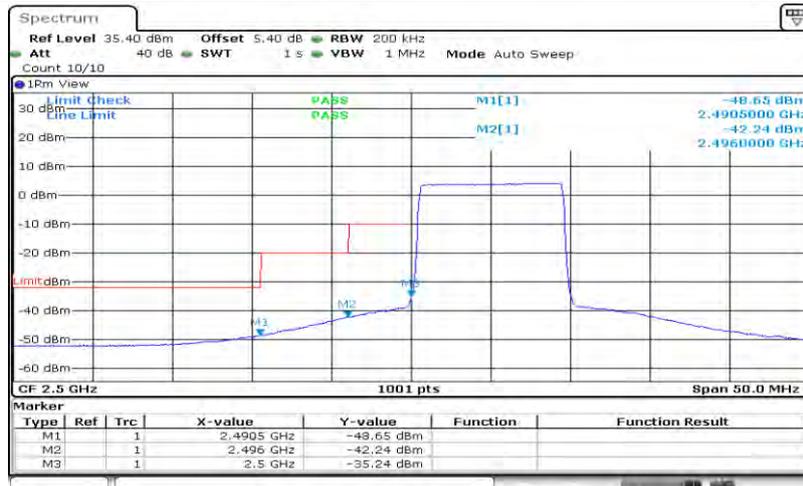


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Date: 28.NOV.2019 19:26:27

Band7-10MHz-64QAM-20800-50RB#0

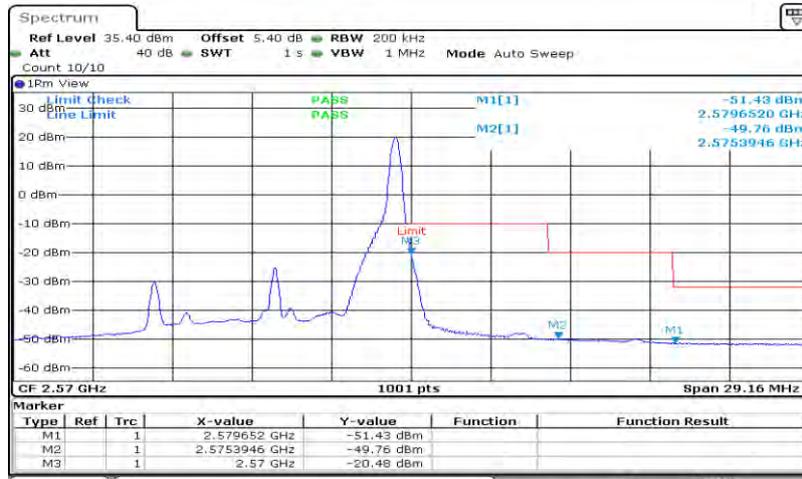


Date: 28.NOV.2019 19:27:17

Band7-10MHz-64QAM-21400-1RB#49

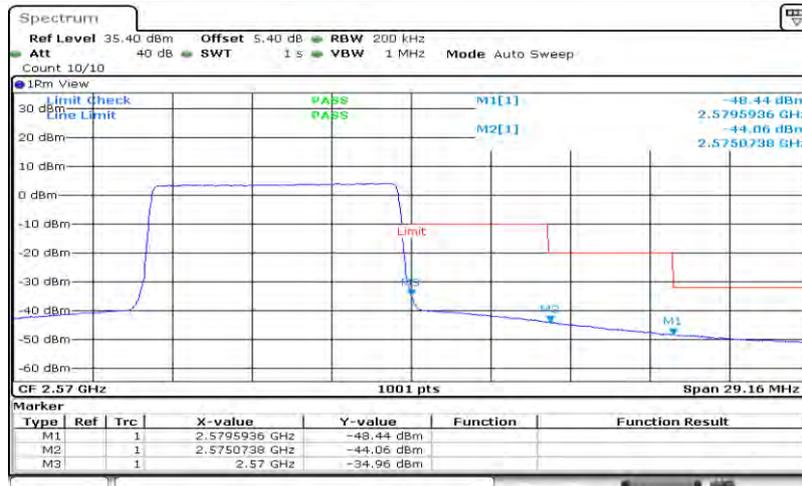


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Date: 28.NOV.2019 19:26:52

Band7-10MHz-64QAM-21400-50RB#0

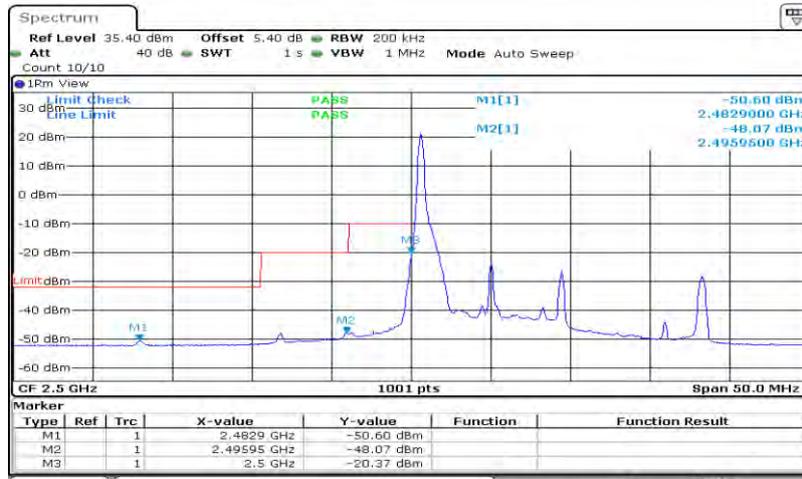


Date: 28.NOV.2019 19:27:37

Band7-10MHz-16QAM-20800-1RB#0

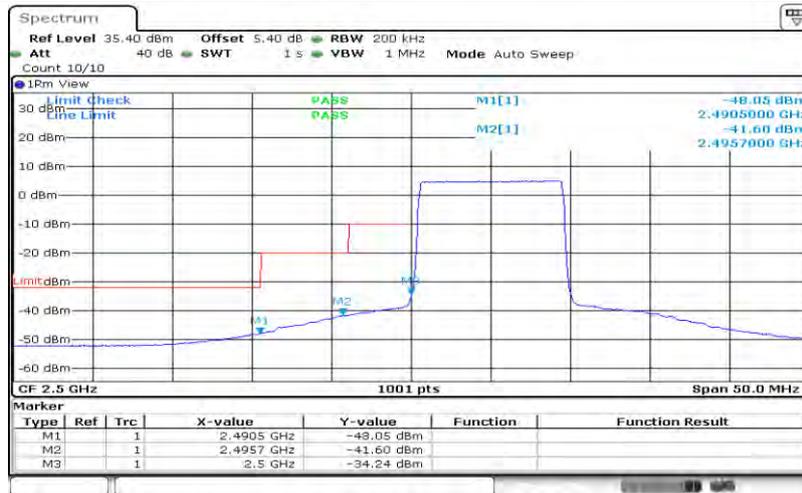


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Date: 10.NOV.2019 23:26:43

Band7-10MHz-16QAM-20800-50RB#0

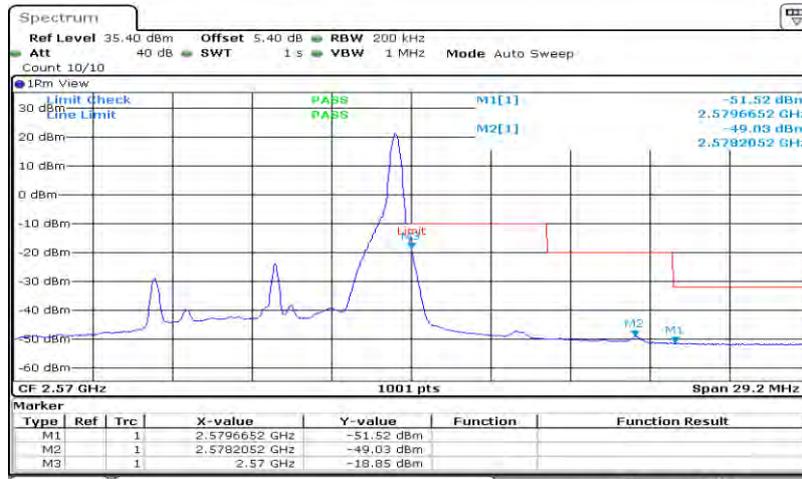


Date: 10.NOV.2019 23:28:03

Band7-10MHz-16QAM-21400-1RB#49

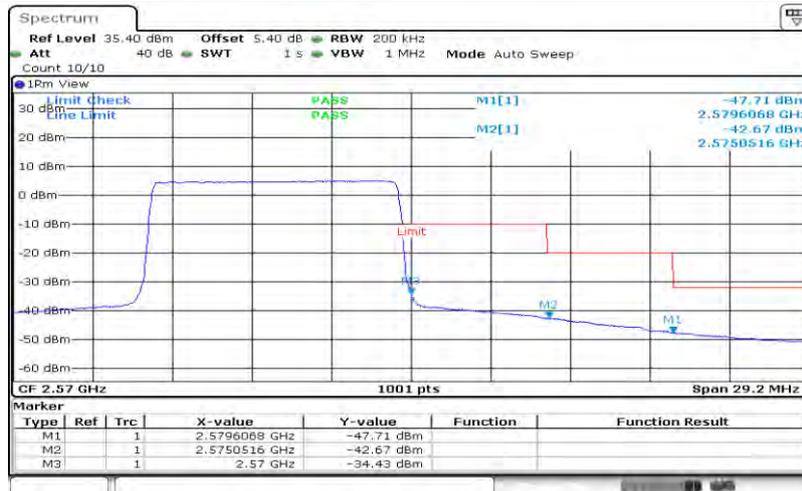


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Date: 10.NOV.2019 23:27:23

Band7-10MHz-16QAM-21400-50RB#0

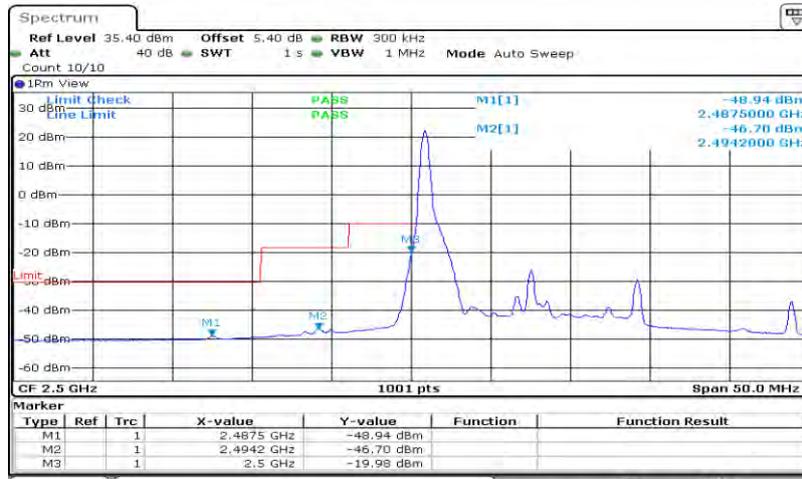


Date: 10.NOV.2019 23:28:40

Band7-15MHz-QPSK-20825-1RB#0



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Date: 10.NOV.2019 23:29:50

Band7-15MHz-QPSK-20825-75RB#0

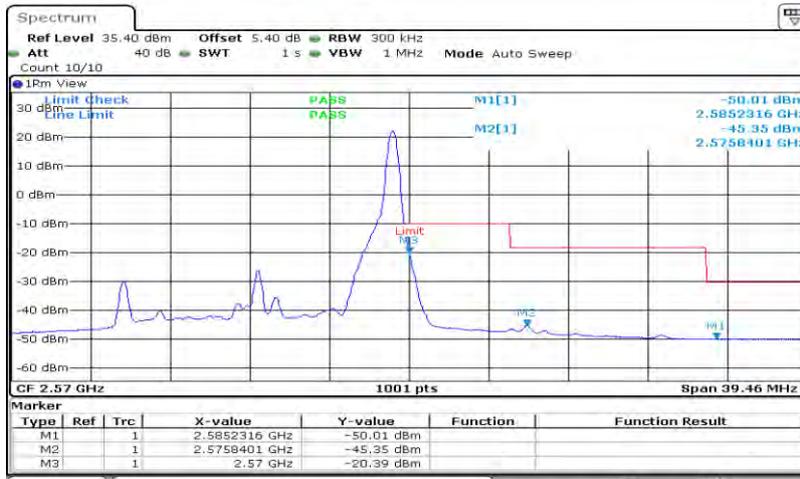


Date: 10.NOV.2019 23:31:12

Band7-15MHz-QPSK-21375-1RB#74

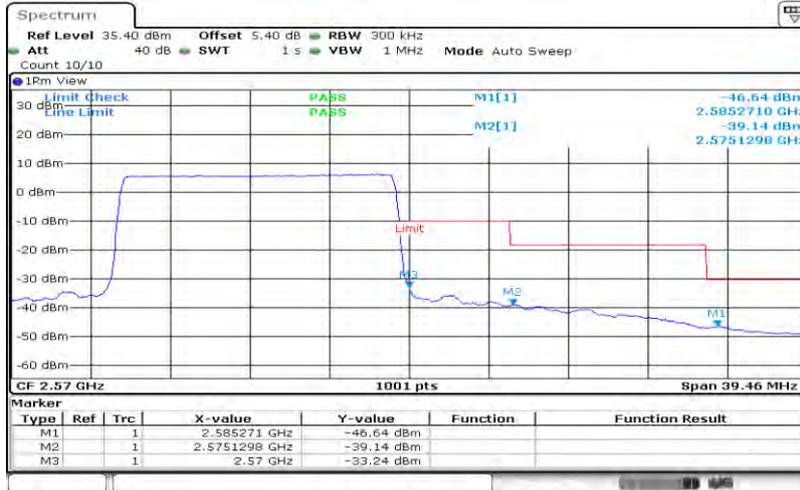


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Date: 10.NOV.2019 23.30.31

Band7-15MHz-QPSK-21375-75RB#0

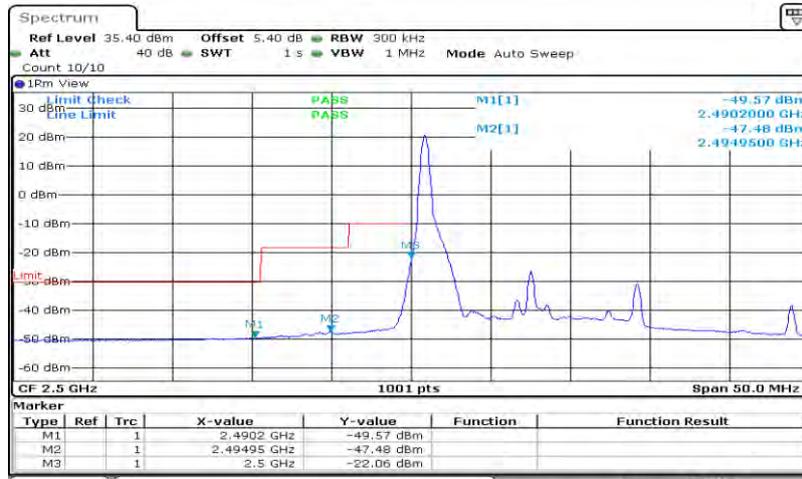


Date: 10.NOV.2019 23.31.50

Band7-15MHz-64QAM-20825-1RB#0

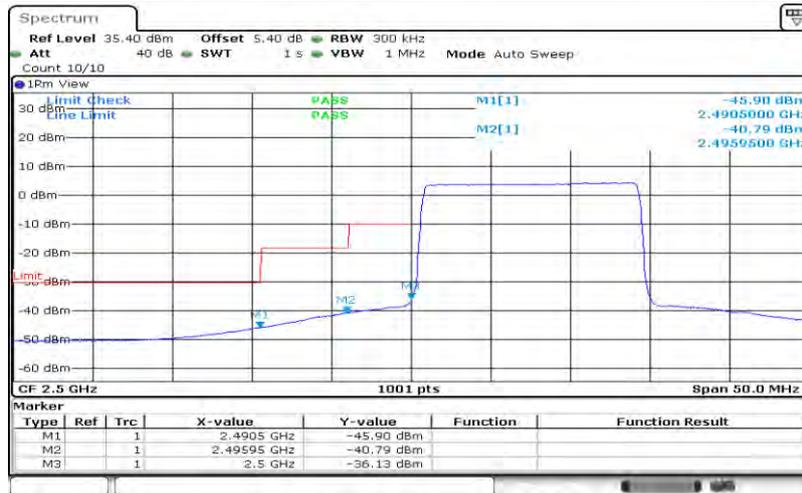


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Date: 28.NOV.2019 19:28:03

Band7-15MHz-64QAM-20825-75RB#0

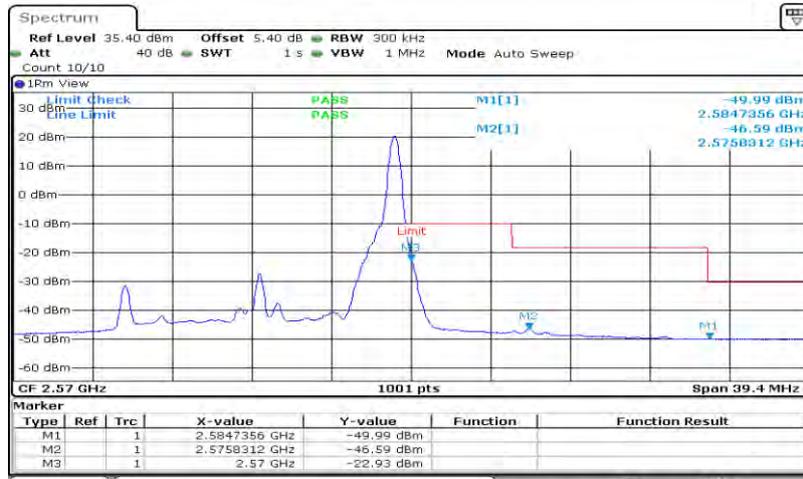


Date: 28.NOV.2019 19:28:53

Band7-15MHz-64QAM-21375-1RB#74

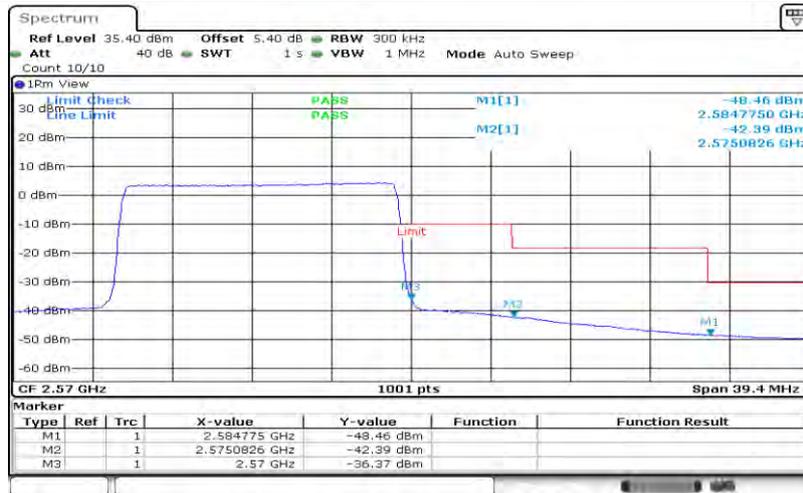


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Date: 28.NOV.2019 19:28:28

Band7-15MHz-64QAM-21375-75RB#0

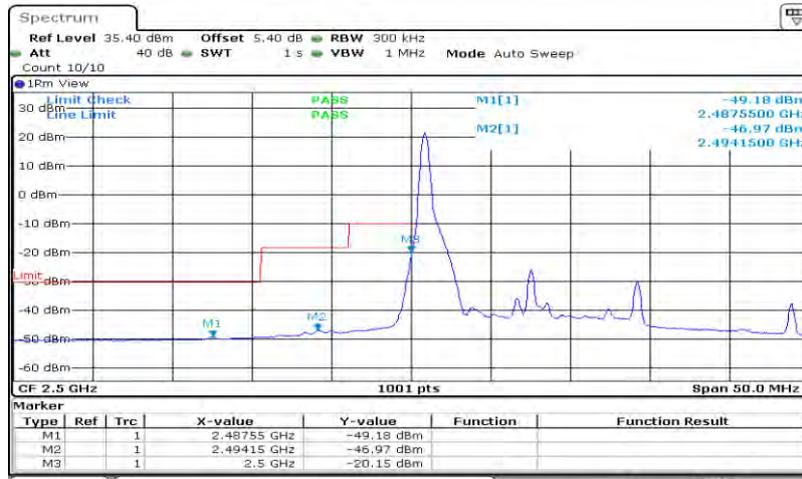


Date: 28.NOV.2019 19:29:13

Band7-15MHz-16QAM-20825-1RB#0



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Date: 10.NOV.2019 23.30.08

Band7-15MHz-16QAM-20825-75RB#0

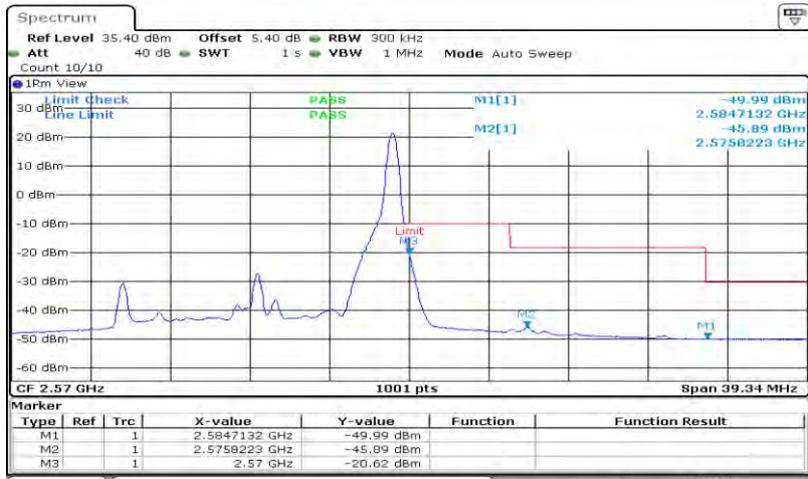


Date: 10.NOV.2019 23.31.30

Band7-15MHz-16QAM-21375-1RB#74

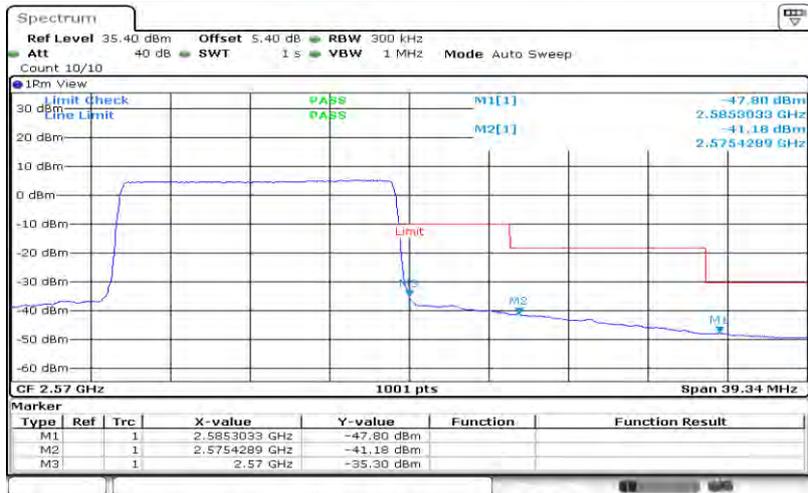


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Date: 10.NOV.2019 23:30:50

Band7-15MHz-16QAM-21375-75RB#0

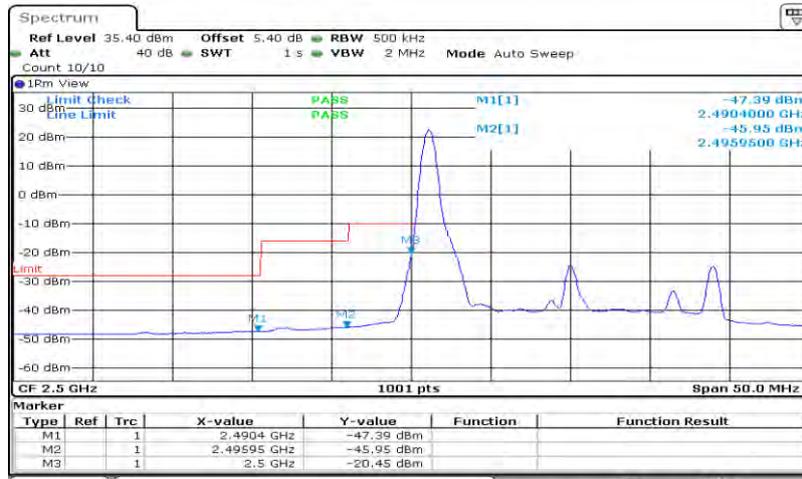


Date: 10.NOV.2019 23:32:08

Band7-20MHz-QPSK-20850-1RB#0

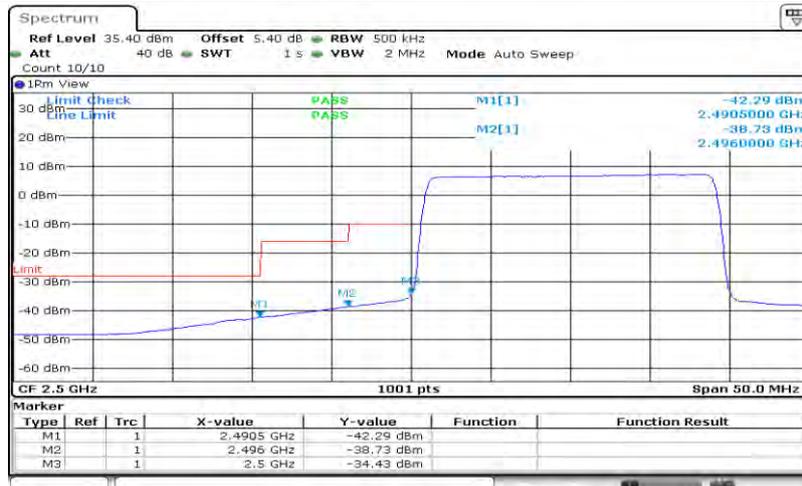


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Date: 10.NOV.2019 23:33:07

Band7-20MHz-QPSK-20850-100RB#0

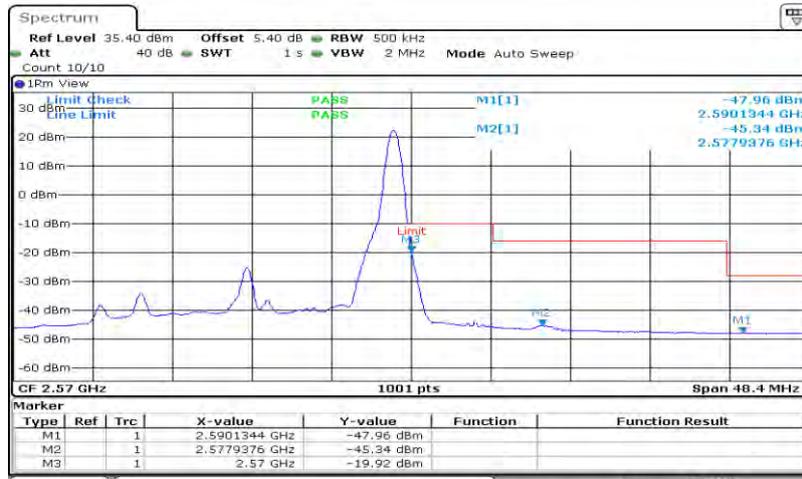


Date: 10.NOV.2019 23:34:30

Band7-20MHz-QPSK-21350-1RB#99

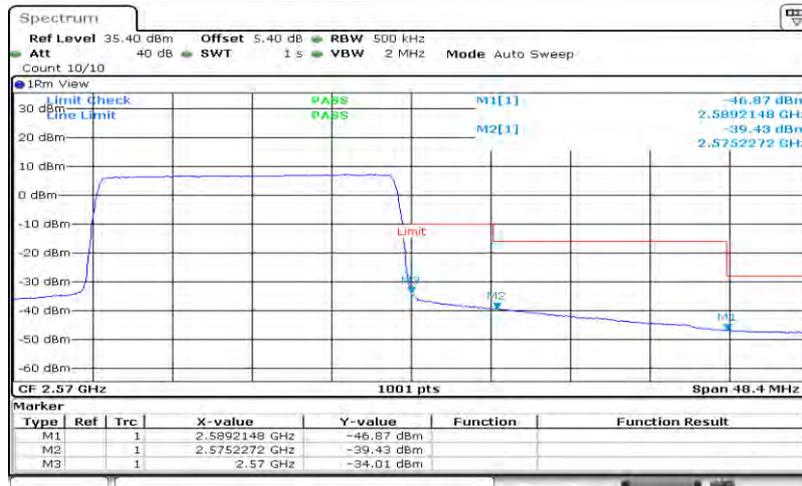


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Date: 10.NOV.2019 23.33:48

Band7-20MHz-QPSK-21350-100RB#0

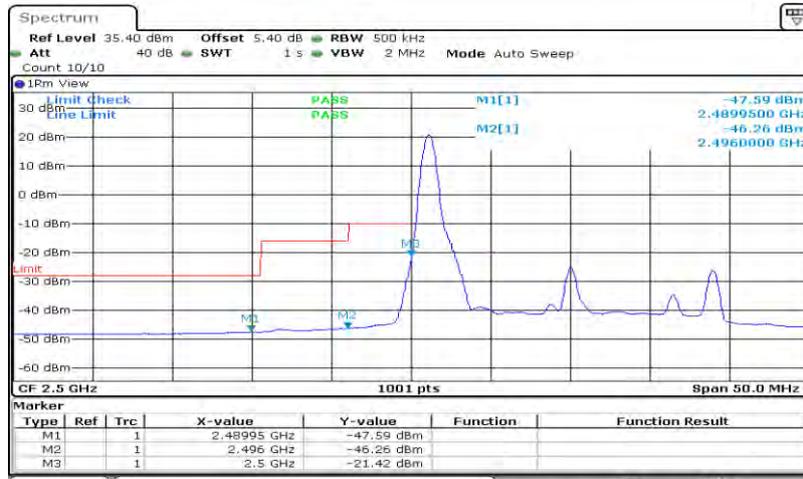


Date: 10.NOV.2019 23.35:09

Band7-20MHz-64QAM-20850-1RB#0

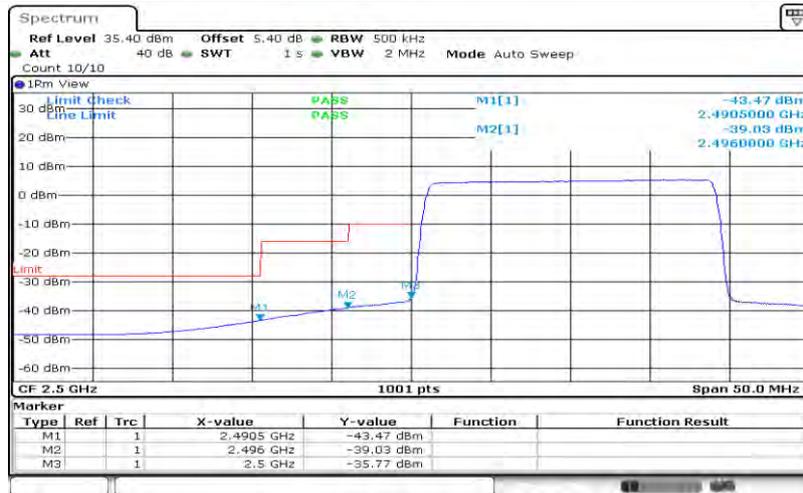


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Date: 28.NOV.2019 19:29:39

Band7-20MHz-64QAM-20850-100RB#0

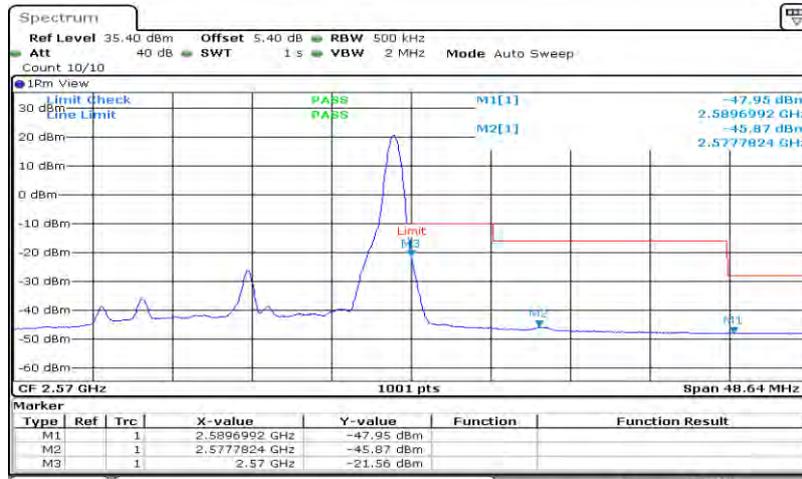


Date: 28.NOV.2019 19:30:29

Band7-20MHz-64QAM-21350-1RB#99

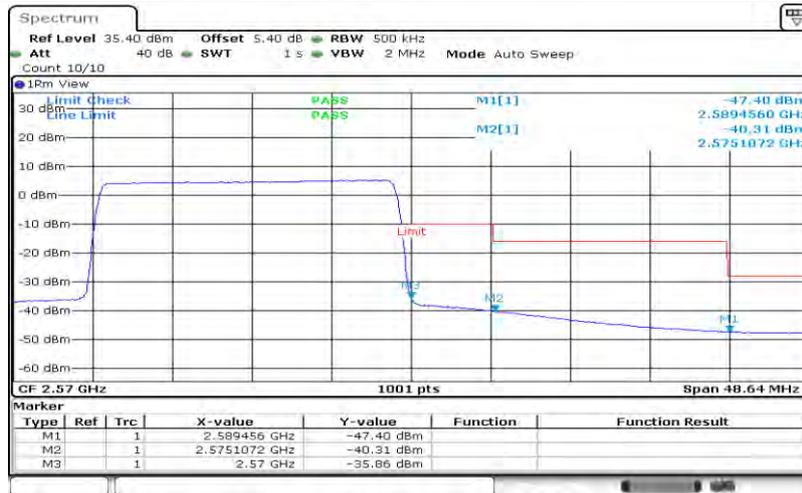


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Date: 28.NOV.2019 19:30:04

Band7-20MHz-64QAM-21350-100RB#0

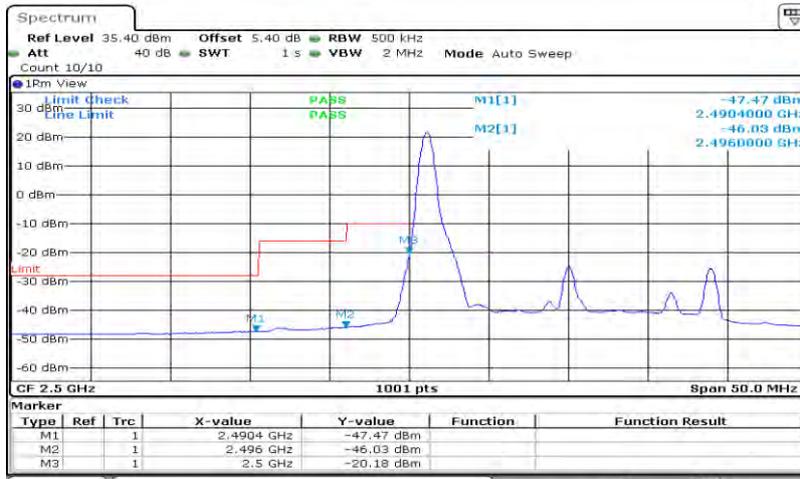


Date: 28.NOV.2019 19:30:49

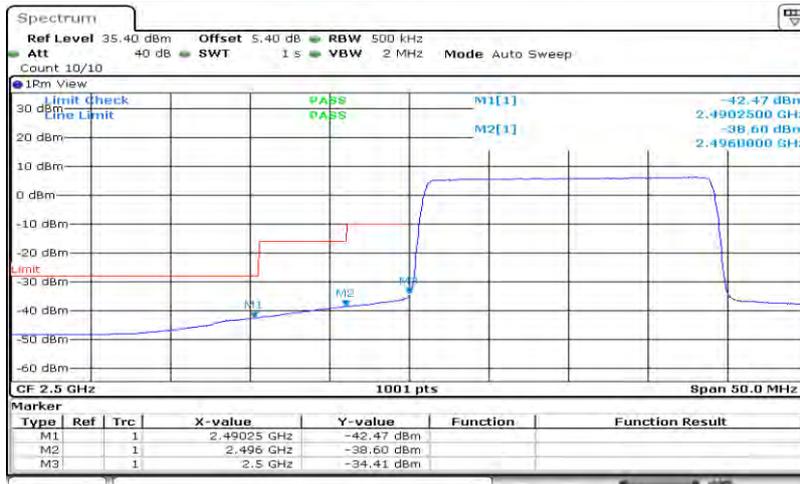
Band7-20MHz-16QAM-20850-1RB#0



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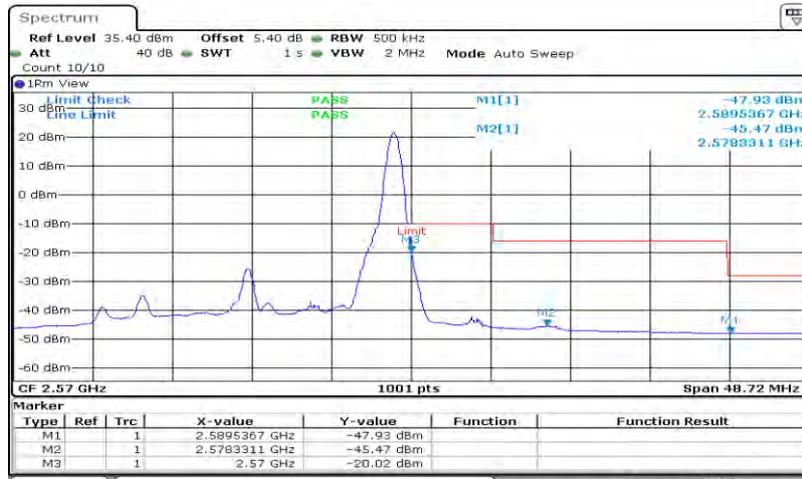
Band7-20MHz-16QAM-20850-100RB#0



Band7-20MHz-16QAM-21350-1RB#99

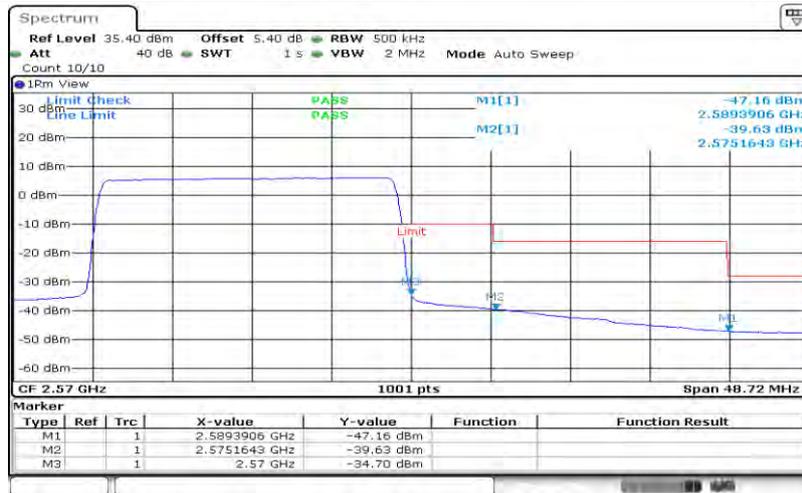


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Date: 10.NOV.2019 23.34.07

Band7-20MHz-16QAM-21350-100RB#0



Date: 10.NOV.2019 23.35.27



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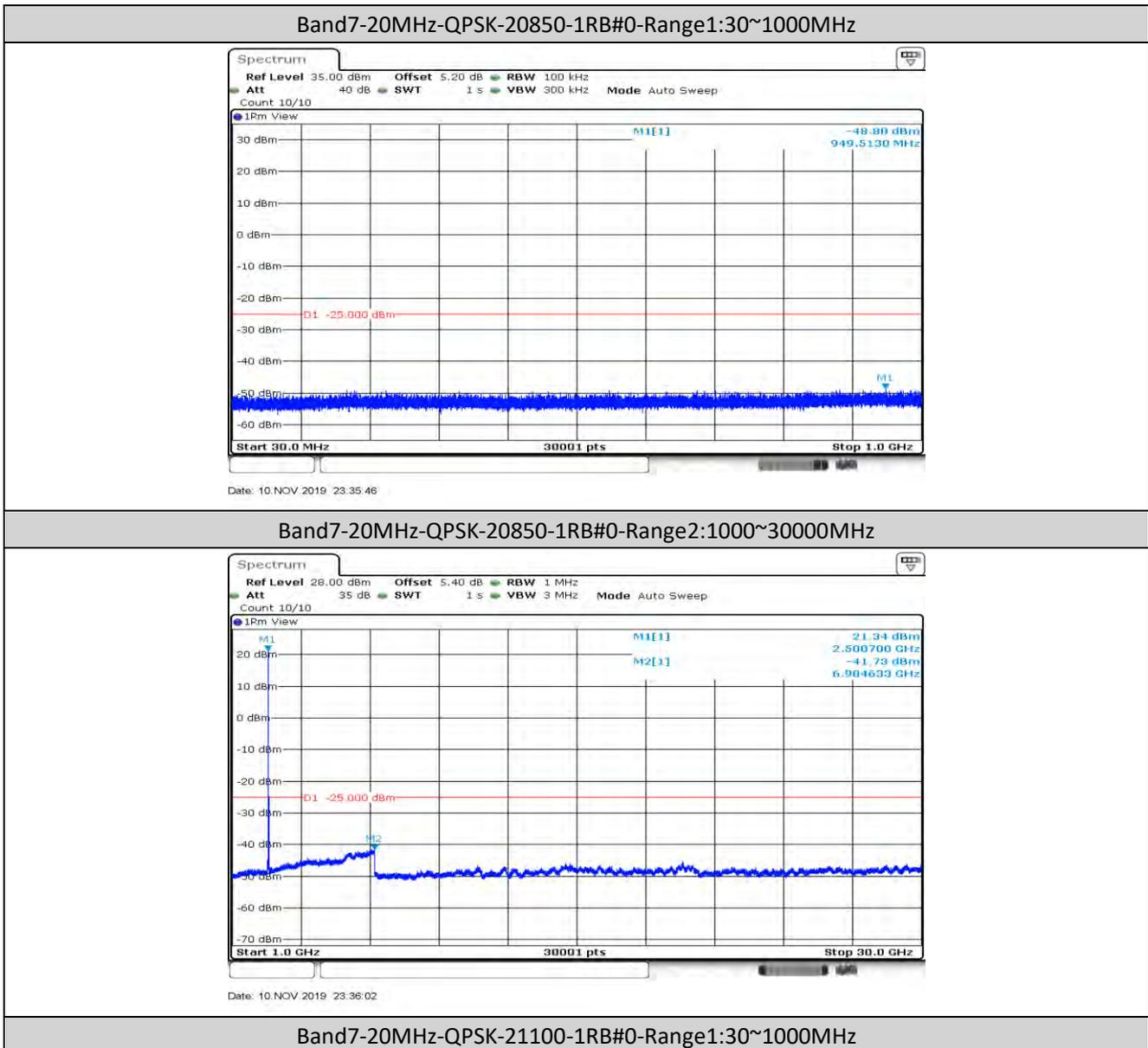


6. Spurious Emission at Antenna Terminal

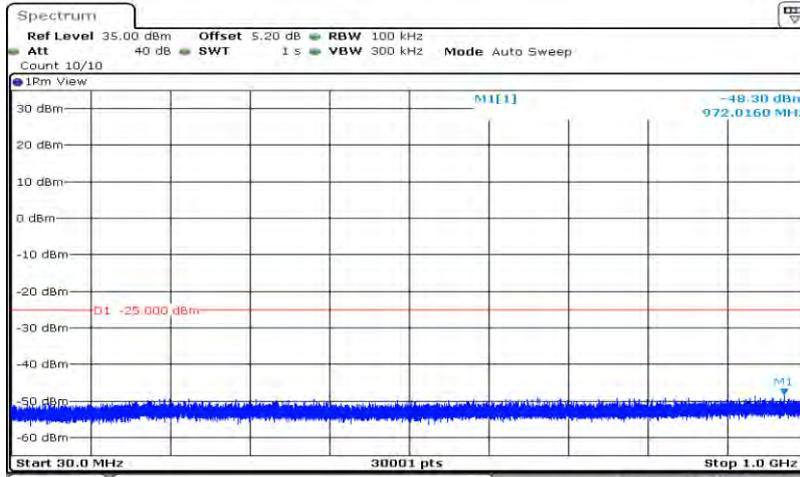
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =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

6.1. Test Plots

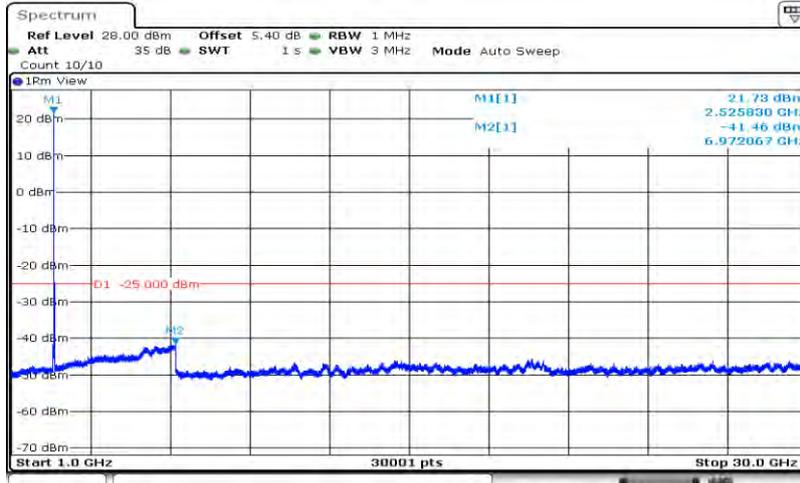


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Date: 10.NOV.2019 23:36:51

Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~30000MHz

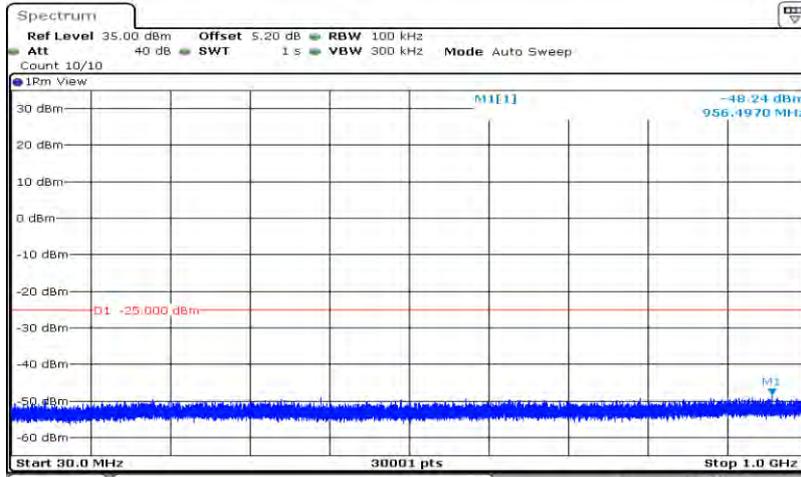


Date: 10.NOV.2019 23:37:08

Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz

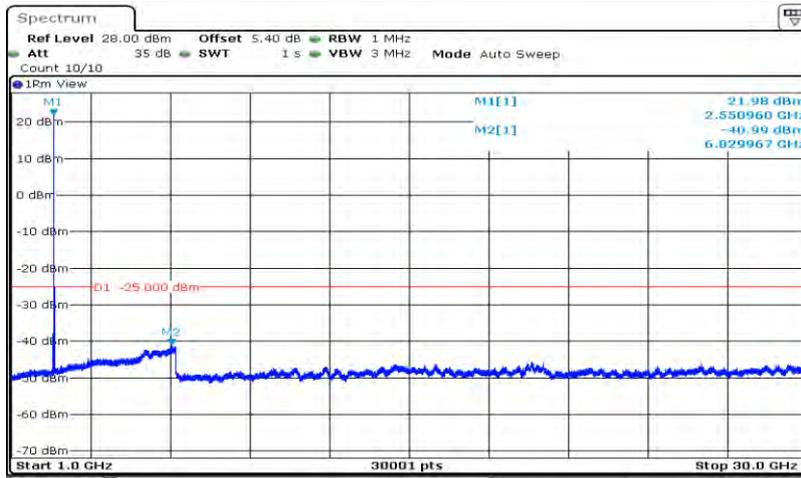


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Date: 10.NOV.2019 23:37:57

Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~30000MHz

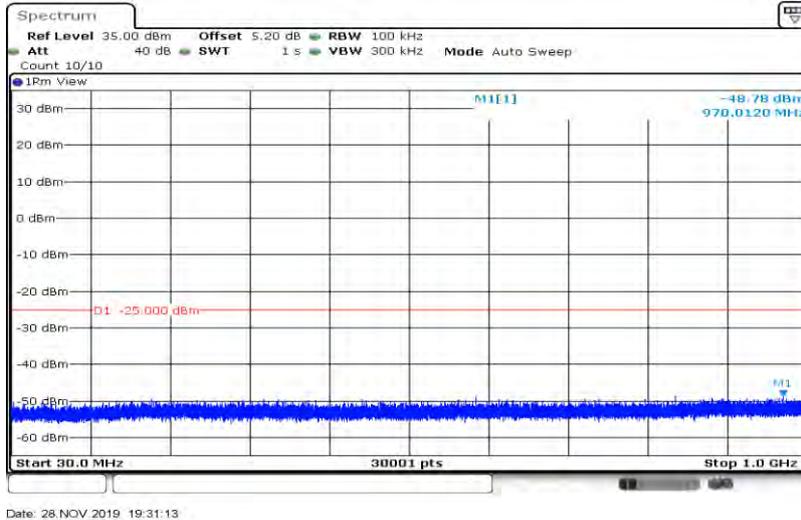


Date: 10.NOV.2019 23:38:14

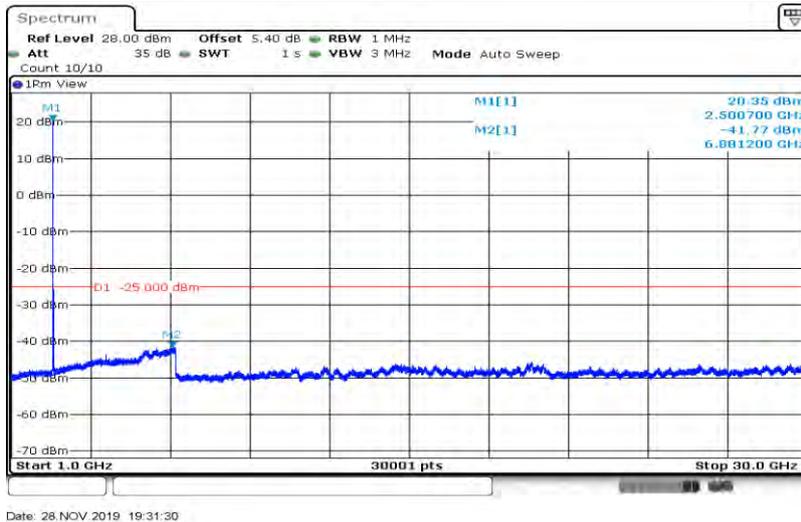
Band7-20MHz-64QAM-20850-1RB#0-Range1:30~1000MHz



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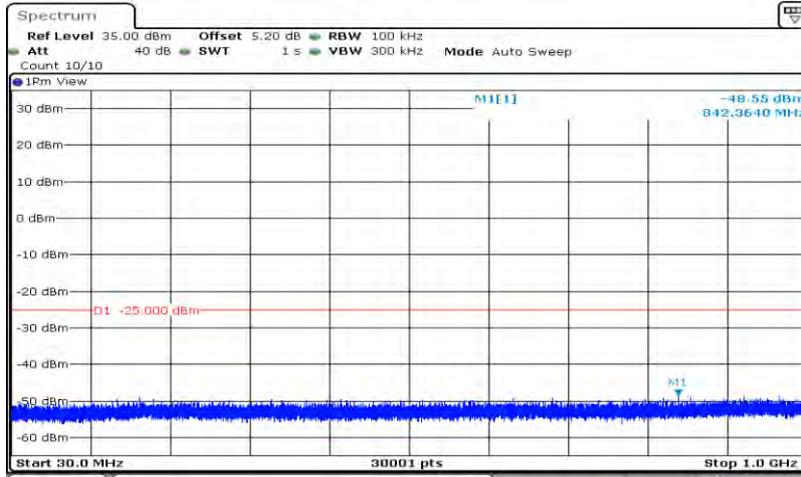
Band7-20MHz-64QAM-20850-1RB#0-Range2:1000~30000MHz



Band7-20MHz-64QAM-21100-1RB#0-Range1:30~1000MHz

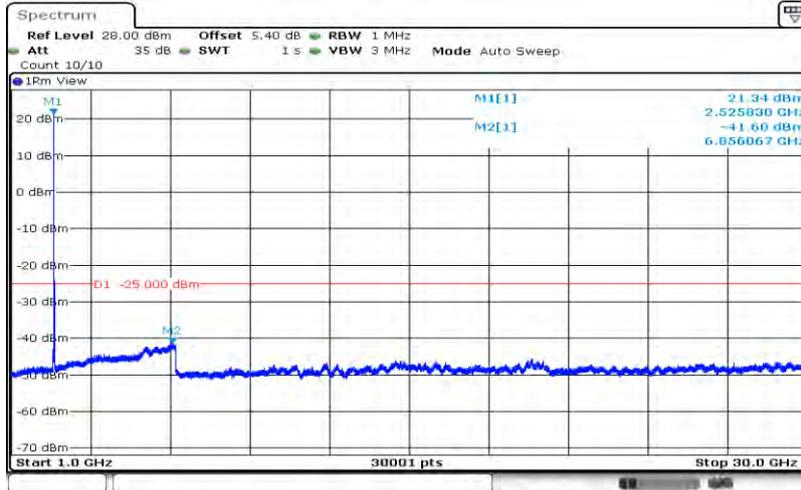


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Date: 28.NOV.2019 19:31:49

Band7-20MHz-64QAM-21100-1RB#0-Range2:1000~30000MHz

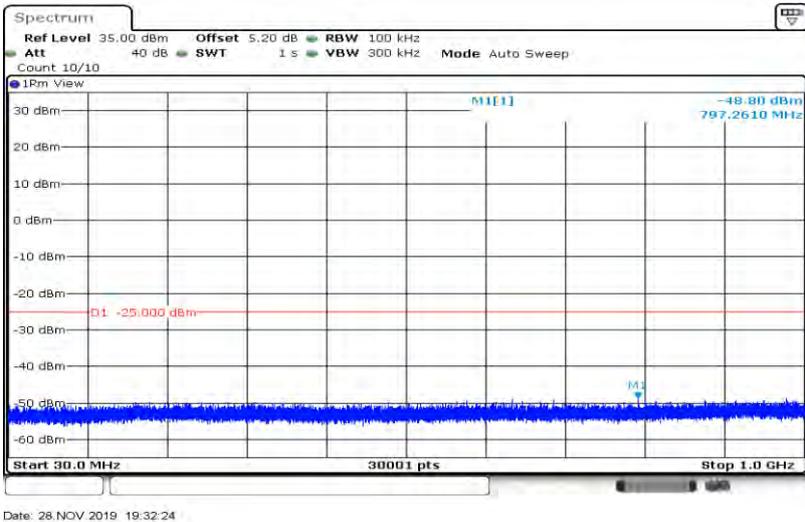


Date: 28.NOV.2019 19:32:05

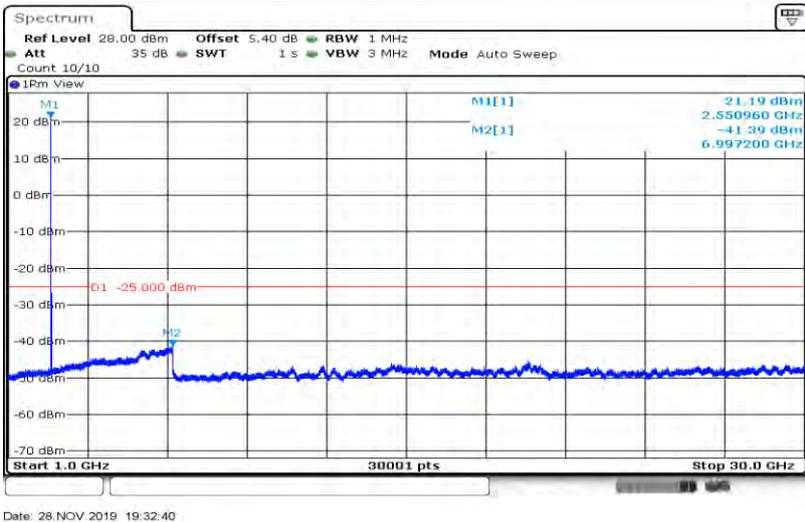
Band7-20MHz-64QAM-21350-1RB#0-Range1:30~1000MHz



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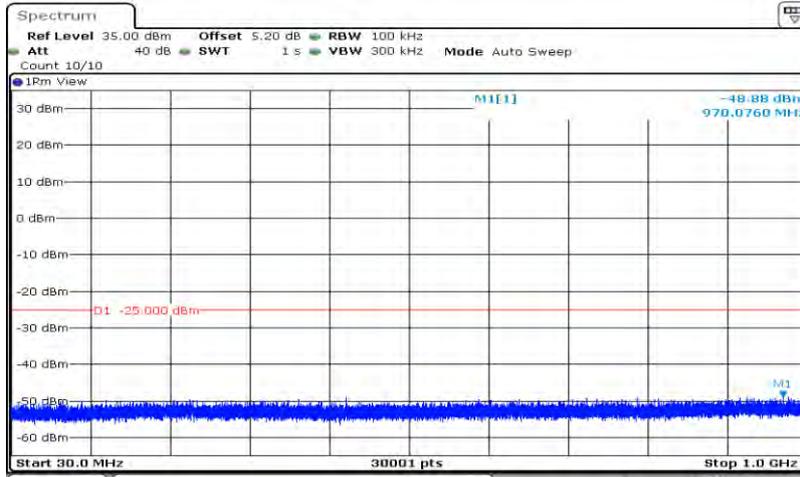
Band7-20MHz-64QAM-21350-1RB#0-Range2:1000~30000MHz



Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz

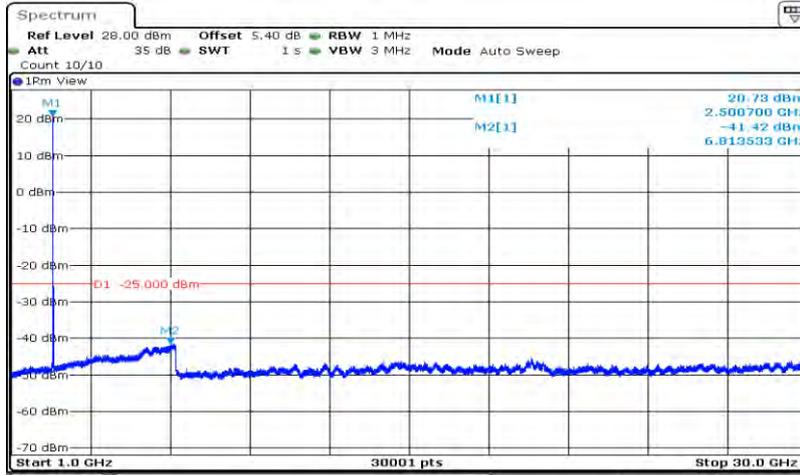


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Date: 10.NOV.2019 23:36:18

Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~30000MHz

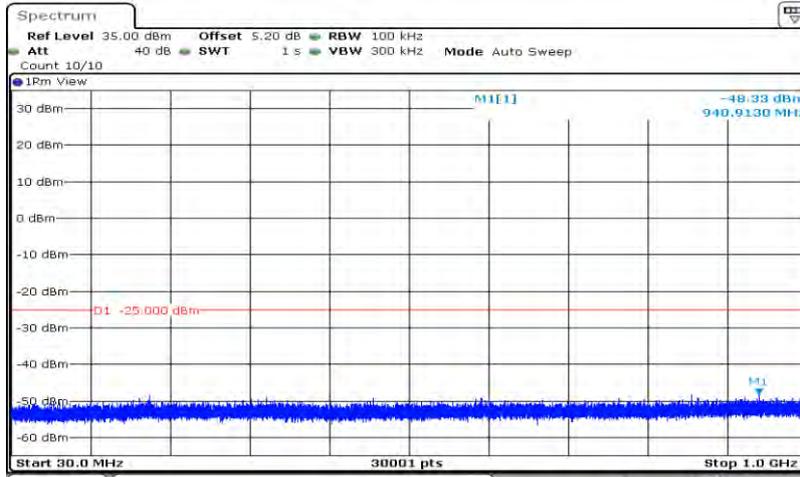


Date: 10.NOV.2019 23:36:34

Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz

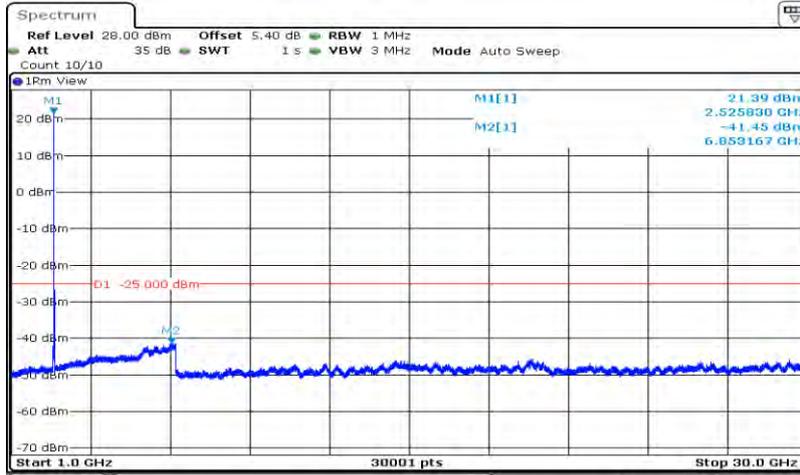


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Date: 10.NOV.2019 23:37:24

Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~30000MHz

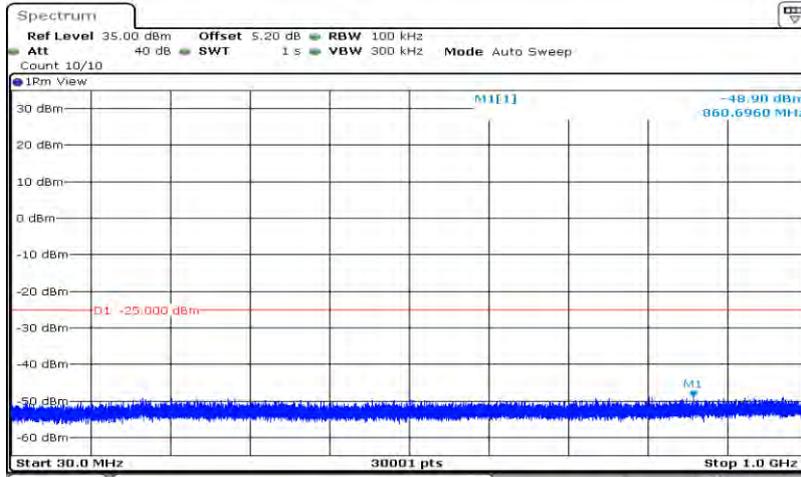


Date: 10.NOV.2019 23:37:40

Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz

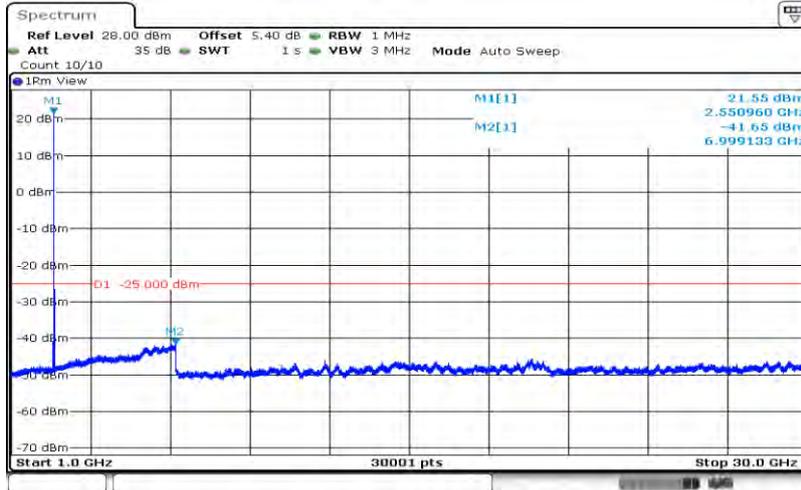


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Date: 10.NOV.2019 23:38:30

Band7-20MHz-16QAM-21350-1RB#0-Range2:1000~30000MHz



Date: 10.NOV.2019 23:38:46



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7. Field Strength of Spurious Radiation

7.1. Test Band = LTE Band 7

7.1.1. Test Mode = LTE/TM1

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
66.6193	-67.12	-25.00	42.12	Vertical
109.8835	-65.35	-25.00	40.35	Vertical
426.5073	-67.72	-25.00	42.72	Vertical
1746.1492	-44.01	-25.00	19.01	Vertical
8025.2010	-54.61	-25.00	29.61	Vertical
17988.5995	-37.02	-25.00	12.02	Vertical
40.5250	-64.31	-25.00	39.31	Horizontal
235.7473	-68.66	-25.00	43.66	Horizontal
726.4463	-62.75	-25.00	37.75	Horizontal
3733.8294	-59.83	-25.00	34.83	Horizontal
9303.2521	-51.45	-25.00	26.45	Horizontal
16399.7360	-40.30	-25.00	15.30	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
66.6193	-67.09	-25.00	42.09	Vertical
113.8607	-65.70	-25.00	40.70	Vertical
631.1391	-64.79	-25.00	39.79	Vertical
1739.7480	-45.01	-25.00	20.01	Vertical
8010.2004	-54.86	-25.00	29.86	Vertical
17996.3999	-37.18	-25.00	12.18	Vertical
42.7076	-64.62	-25.00	39.62	Horizontal
231.7701	-68.82	-25.00	43.82	Horizontal
503.8202	-66.76	-25.00	41.76	Horizontal
1803.3607	-44.31	-25.00	19.31	Horizontal
7359.7744	-55.18	-25.00	30.18	Horizontal
16388.9356	-40.71	-25.00	15.71	Horizontal



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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

7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
44.5022	-66.79	-25.00	41.79	Vertical
116.1403	-65.14	-25.00	40.14	Vertical
385.6198	-68.25	-25.00	43.25	Vertical
1580.9162	-45.79	-25.00	20.79	Vertical
7353.7742	-54.86	-25.00	29.86	Vertical
17995.7998	-37.63	-25.00	12.63	Vertical
42.7561	-65.26	-25.00	40.26	Horizontal
234.5347	-68.21	-25.00	43.21	Horizontal
572.1601	-65.17	-25.00	40.17	Horizontal
1804.9610	-44.25	-25.00	19.25	Horizontal
7369.3748	-55.46	-25.00	30.46	Horizontal
16398.5359	-40.37	-25.00	15.37	Horizontal

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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8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	-20.57	-0.008195	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	-17.95	-0.007151	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	-14.35	-0.005717	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-28.24	-0.011140	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-20.84	-0.008221	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-17.72	-0.006990	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-20.81	-0.008129	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-18.55	-0.007246	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-20.07	-0.007840	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	-7.00	-0.002789	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	-8.00	-0.003187	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	-8.90	-0.003546	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	-4.40	-0.001736	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	2.40	0.000947	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VH	NT	-5.30	-0.002091	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	-17.40	-0.006797	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	-5.10	-0.001992	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	-7.10	-0.002773	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	-17.68	-0.007044	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	-17.12	-0.006821	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	-23.06	-0.009187	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-23.40	-0.009231	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-18.40	-0.007258	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-22.99	-0.009069	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	-16.19	-0.006324	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-17.48	-0.006828	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-16.45	-0.006426	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	-14.45	-0.005757	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-16.88	-0.006725	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-17.57	-0.007000	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-15.36	-0.006120	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-19.17	-0.007637	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-23.12	-0.009211	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	-15.18	-0.006048	±2.5	PASS



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Band7	20MHz	QPSK	20850	100RB#0	NV	50	-19.71	-0.007853	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-22.65	-0.008935	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-18.88	-0.007448	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-20.48	-0.008079	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-23.26	-0.009176	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-18.47	-0.007286	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-22.09	-0.008714	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-24.66	-0.009728	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-20.41	-0.008051	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-15.41	-0.006020	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-26.18	-0.010227	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-22.77	-0.008895	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-17.65	-0.006895	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-23.46	-0.009164	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	-25.25	-0.009863	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	-25.05	-0.009785	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-24.08	-0.009406	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	-3.80	-0.001514	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	-3.30	-0.001315	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	-14.40	-0.005737	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	-10.60	-0.004223	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	-8.50	-0.003386	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	-4.30	-0.001713	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	40	-4.90	-0.001952	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	-5.50	-0.002191	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	9.90	0.003905	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	-5.80	-0.002288	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	0	-6.00	-0.002367	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	10	-5.50	-0.002170	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	20	-11.60	-0.004576	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	-6.60	-0.002604	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	40	3.90	0.001538	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	7.30	0.002880	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	-8.80	-0.003438	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	-7.20	-0.002813	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	-16.60	-0.006484	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	-10.80	-0.004219	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	4.30	0.001680	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	-10.90	-0.004258	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	-13.70	-0.005352	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	-8.60	-0.003359	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	-18.54	-0.007386	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	-15.58	-0.006207	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	-19.50	-0.007769	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	-14.05	-0.005598	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	-21.37	-0.008514	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	-19.34	-0.007705	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	-18.05	-0.007191	±2.5	PASS



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Band7	20MHz	16QAM	20850	100RB#0	NV	50	-20.31	-0.008092	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-22.62	-0.008923	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-20.26	-0.007992	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-21.49	-0.008477	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-21.72	-0.008568	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-22.95	-0.009053	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-21.73	-0.008572	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	-22.57	-0.008903	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-21.04	-0.008300	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	-17.95	-0.007012	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	-21.00	-0.008203	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	-19.74	-0.007711	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	-17.65	-0.006895	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	-16.48	-0.006438	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	-19.80	-0.007734	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	-21.04	-0.008219	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	-18.80	-0.007344	±2.5	PASS



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