



Appendix B

E-UTRA Band 2



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CONTENT

1	EFFECTIVE (ISOTROPIC) RADIATED POWER.....	3
1.1.	TEST RESULT.....	3
2.	PEAK-TO-AVERAGE RATIO (CCDF).....	9
2.1.	TEST RESULT.....	9
2.2.	TEST PLOTS.....	9
3.	MODULATION CHARACTERISTICS.....	13
3.1.	TEST MODE = LTE /TM1 20MHZ.....	13
3.1.1.	TEST CHANNEL = MCH.....	13
3.2.	TEST MODE = LTE /TM2 20MHZ.....	14
3.2.1.	TEST CHANNEL = MCH.....	14
4.	26DB BANDWIDTH AND OCCUPIED BANDWIDTH.....	15
4.1.	TEST RESULT.....	15
4.2.	TEST PLOTS.....	16
5.	BAND EDGE COMPLIANCE.....	34
5.1.	TEST PLOTS.....	34
6.	SPURIOUS EMISSION AT ANTENNA TERMINAL.....	58
6.1.	TEST PLOTS.....	58
7.	FIELD STRENGTH OF SPURIOUS RADIATION.....	64
7.1.	TEST MODE =LTE/TM1 20MHZ.....	64
7.1.1.	TEST CHANNEL = LCH.....	64
7.1.2.	TEST CHANNEL = MCH.....	64
7.1.3.	TEST CHANNEL = HCH.....	65
8.	FREQUENCY STABILITY.....	66
8.1.	FREQUENCY VS VOLTAGE.....	66
8.2.	FREQUENCY VS TEMPERATURE.....	66



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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
Band2	1.4MHz	QPSK	18607	1RB#0	22.23	21.36	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.38	21.51	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.23	21.36	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	22.38	21.51	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	22.33	21.46	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	22.35	21.48	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.35	20.48	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.26	21.39	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.25	21.38	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.41	21.54	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	22.37	21.50	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	22.43	21.56	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	22.37	21.50	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.34	20.47	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.40	21.53	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.25	21.38	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.26	21.39	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	22.36	21.49	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	22.35	21.48	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	22.42	21.55	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.37	20.50	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	21.78	20.91	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	21.49	20.62	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	21.53	20.66	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	21.44	20.57	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	21.46	20.59	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	21.48	20.61	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	20.42	19.55	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	21.56	20.69	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	21.56	20.69	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.64	20.77	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	21.46	20.59	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	21.55	20.68	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	21.46	20.59	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	20.44	19.57	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	21.71	20.84	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	21.60	20.73	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	21.49	20.62	33.00	PASS



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Band2	1.4MHz	16QAM	19193	3RB#3	21.41	20.54	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	21.52	20.65	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	21.49	20.62	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	20.45	19.58	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.24	21.37	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.29	21.42	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.29	21.42	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	21.31	20.44	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	21.34	20.47	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	21.32	20.45	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.28	20.41	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.32	21.45	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.33	21.46	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.32	21.45	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	21.35	20.48	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	21.35	20.48	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	21.38	20.51	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.32	20.45	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.32	21.45	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	22.30	21.43	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.31	21.44	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#4	21.39	20.52	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	21.37	20.50	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	21.34	20.47	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.34	20.47	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	21.60	20.73	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.49	20.62	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	21.61	20.74	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	20.34	19.47	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	20.35	19.48	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	20.36	19.49	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	20.26	19.39	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	21.62	20.75	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	21.51	20.64	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	21.62	20.75	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	20.41	19.54	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	20.40	19.53	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	20.35	19.48	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	20.30	19.43	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	21.57	20.70	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	21.64	20.77	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	21.54	20.67	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	20.42	19.55	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	20.39	19.52	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#4	20.43	19.56	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.33	19.46	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.14	21.27	33.00	PASS



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Band2	5MHz	QPSK	18625	1RB#12	22.42	21.55	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.21	21.34	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	21.36	20.49	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	21.23	20.36	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	21.36	20.49	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	21.30	20.43	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.20	21.33	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.22	21.35	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	22.47	21.60	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	21.40	20.53	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	21.36	20.49	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	21.36	20.49	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	21.34	20.47	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.22	21.35	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	22.48	21.61	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.22	21.35	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	21.41	20.54	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	21.40	20.53	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	21.28	20.41	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	21.34	20.47	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	21.51	20.64	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	21.65	20.78	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	21.47	20.60	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	20.37	19.50	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#0	20.22	19.35	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	20.37	19.50	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	20.29	19.42	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	21.44	20.57	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	21.69	20.82	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	21.41	20.54	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	20.37	19.50	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	20.38	19.51	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	20.38	19.51	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	20.33	19.46	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.45	20.58	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.49	20.62	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	21.84	20.97	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	20.41	19.54	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	20.43	19.56	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	20.29	19.42	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	20.33	19.46	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.33	21.46	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	22.38	21.51	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.28	21.41	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#12	21.35	20.48	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#0	21.25	20.38	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	21.40	20.53	33.00	PASS



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Band2	10MHz	QPSK	18650	50RB#0	21.33	20.46	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.29	21.42	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.33	21.46	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	22.41	21.54	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	21.41	20.54	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	21.35	20.48	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	21.41	20.54	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	21.39	20.52	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.47	21.60	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.31	21.44	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	22.36	21.49	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	21.49	20.62	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	21.30	20.43	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#12	21.43	20.56	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	21.39	20.52	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	21.60	20.73	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	21.55	20.68	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	21.63	20.76	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	20.25	19.38	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	20.32	19.45	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	20.38	19.51	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	20.32	19.45	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	21.53	20.66	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	21.61	20.74	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	21.76	20.89	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#25	20.41	19.54	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#12	20.34	19.47	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#0	20.39	19.52	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	20.36	19.49	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.75	20.88	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	21.55	20.68	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	21.65	20.78	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	20.31	19.44	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	20.42	19.55	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	20.48	19.61	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	20.39	19.52	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.24	21.37	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.30	21.43	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.36	21.49	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	21.39	20.52	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	21.37	20.50	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	21.27	20.40	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	21.35	20.48	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.25	21.38	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	22.37	21.50	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.26	21.39	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	21.41	20.54	33.00	PASS



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Band2	15MHz	QPSK	18900	36RB#39	21.40	20.53	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	21.37	20.50	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	21.38	20.51	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.29	21.42	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	22.38	21.51	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	22.30	21.43	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	21.47	20.60	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	21.44	20.57	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	21.35	20.48	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	21.40	20.53	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	21.54	20.67	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	21.60	20.73	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	21.65	20.78	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#0	20.26	19.39	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	20.32	19.45	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	20.31	19.44	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	20.32	19.45	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	21.66	20.79	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	21.61	20.74	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	21.48	20.61	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	20.35	19.48	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	20.35	19.48	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	20.35	19.48	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	20.36	19.49	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.58	20.71	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.58	20.71	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	21.67	20.80	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	20.39	19.52	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	20.33	19.46	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	20.43	19.56	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	20.40	19.53	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.20	21.33	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	22.44	21.57	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.24	21.37	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	21.37	20.50	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#0	21.19	20.32	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	21.35	20.48	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.27	20.40	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.15	21.28	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.18	21.31	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	22.46	21.59	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	21.36	20.49	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	21.39	20.52	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#50	21.37	20.50	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.39	20.52	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.23	21.36	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	22.44	21.57	33.00	PASS



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Band2	20MHz	QPSK	19100	1RB#99	22.22	21.35	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	21.38	20.51	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	21.44	20.57	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	21.26	20.39	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	21.35	20.48	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.55	20.68	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	21.71	20.84	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.50	20.63	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	20.34	19.47	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	20.18	19.31	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	20.36	19.49	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	20.26	19.39	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.48	20.61	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	21.80	20.93	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	21.47	20.60	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	20.41	19.54	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	20.36	19.49	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	20.37	19.50	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	20.37	19.50	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	21.49	20.62	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.54	20.67	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.75	20.88	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	20.35	19.48	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	20.42	19.55	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	20.29	19.42	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	20.33	19.46	33.00	PASS

Remark:

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

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]



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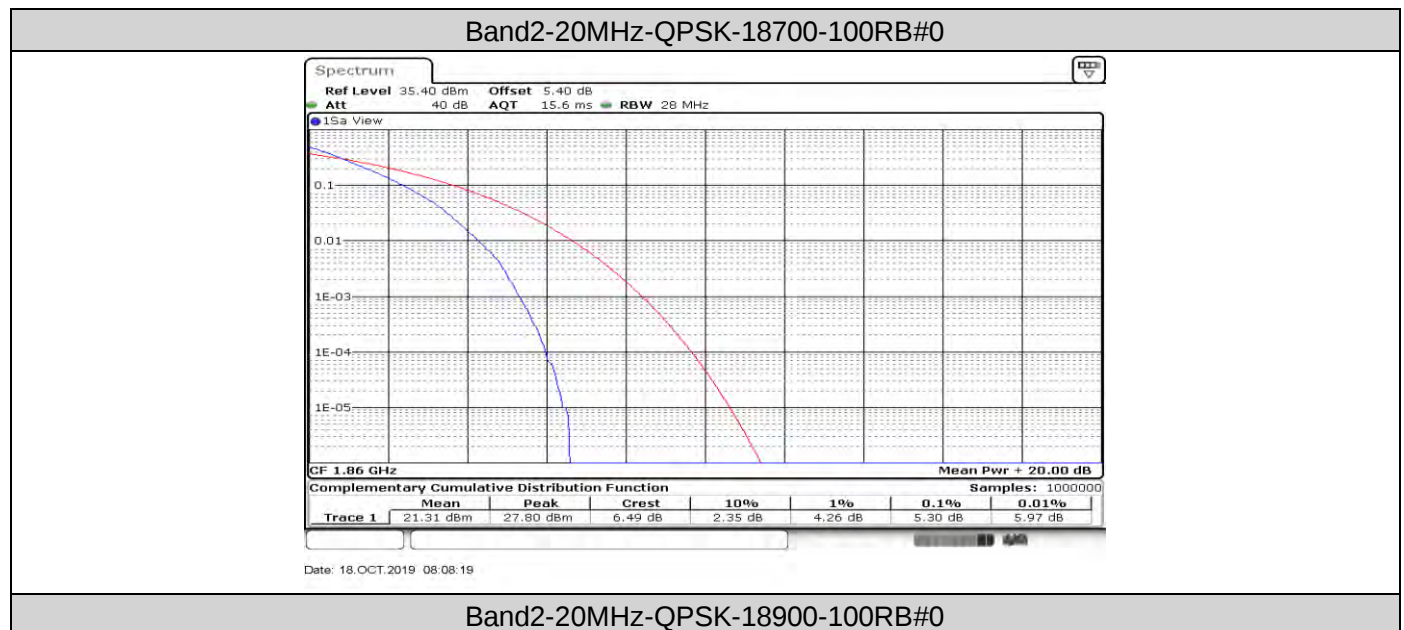


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	5.30	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.68	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.48	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.12	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.38	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.20	13	PASS

2.2. Test Plots





Band2-20MHz-QPSK-19100-100RB#0



Band2-20MHz-16QAM-18700-100RB#0



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Band2-20MHz-16QAM-18900-100RB#0



Band2-20MHz-16QAM-19100-100RB#0



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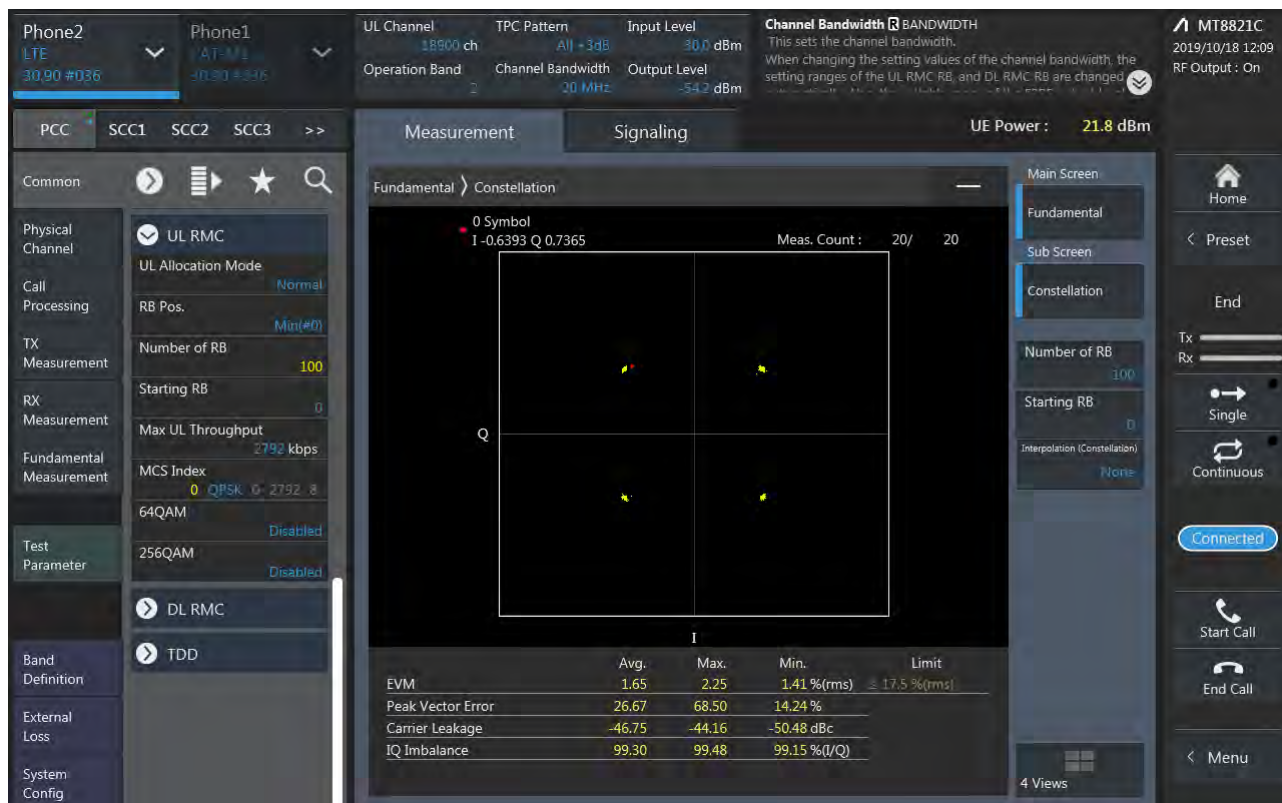




3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

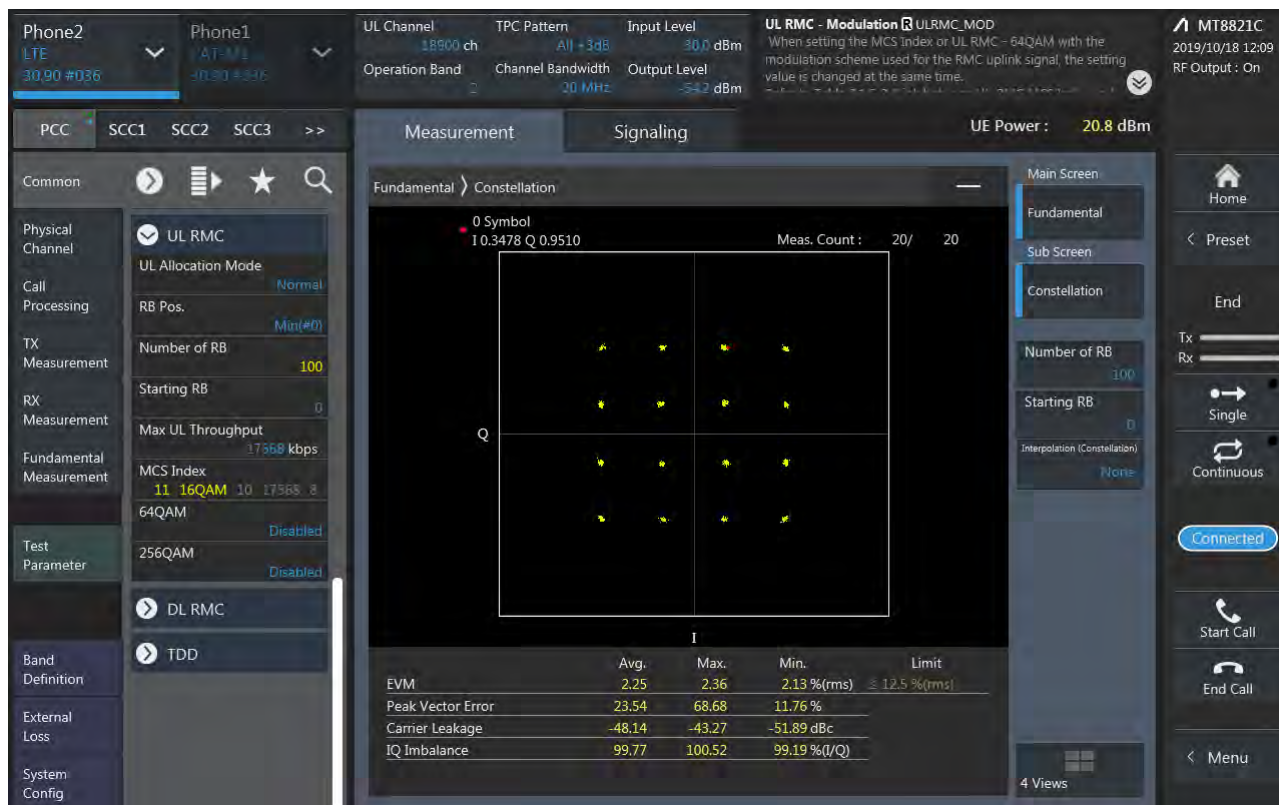
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

3.2.1. 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
Band2	1.4MHz	QPSK	18607	6RB#0	1.088	1.284	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.091	1.290	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.091	1.290	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.088	1.278	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.091	1.290	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.091	1.281	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.691	2.928	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.691	2.958	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.691	2.922	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.679	2.898	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.679	2.904	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.673	2.904	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.466	4.840	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.466	5.020	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.466	4.850	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.466	4.870	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.486	4.870	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.476	4.850	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.911	9.620	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.931	9.720	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.911	9.580	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.931	9.660	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.951	10.000	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.931	9.880	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.427	14.970	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.487	14.700	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.457	14.610	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.427	14.670	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.487	14.730	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.457	14.670	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.822	19.400	PASS



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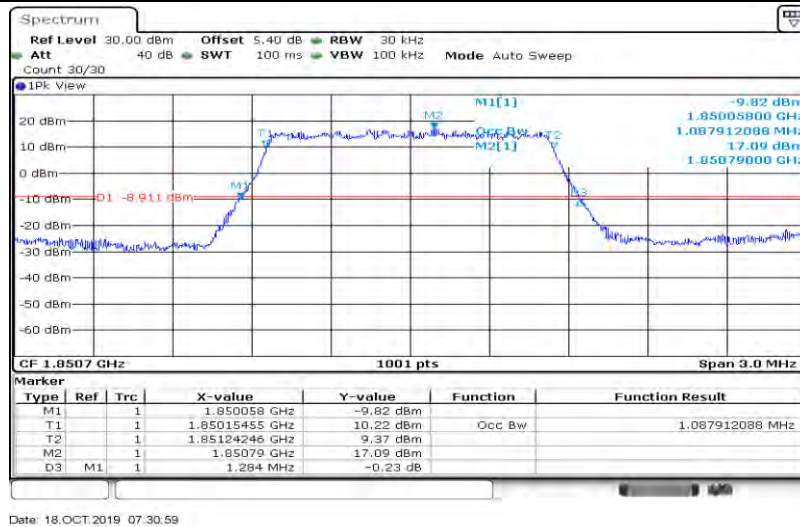
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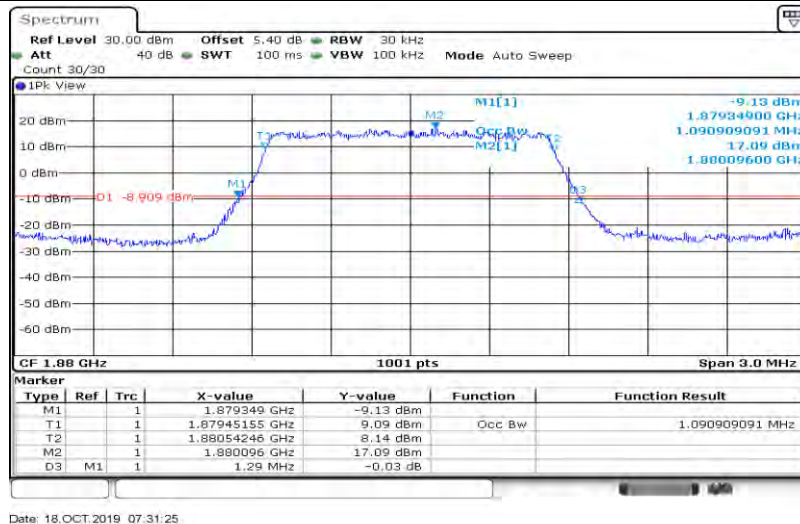
Band2	20MHz	QPSK	18900	100RB#0	17.902	19.360	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.902	19.960	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.862	19.240	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.902	19.960	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.862	19.240	PASS

4.2. Test Plots

Band2-1.4MHz-QPSK-18607-6RB#0-1.088



Band2-1.4MHz-QPSK-18900-6RB#0-1.091



Band2-1.4MHz-QPSK-19193-6RB#0-1.091





Band2-1.4MHz-16QAM-18607-6RB#0-1.088



Band2-1.4MHz-16QAM-18900-6RB#0-1.091

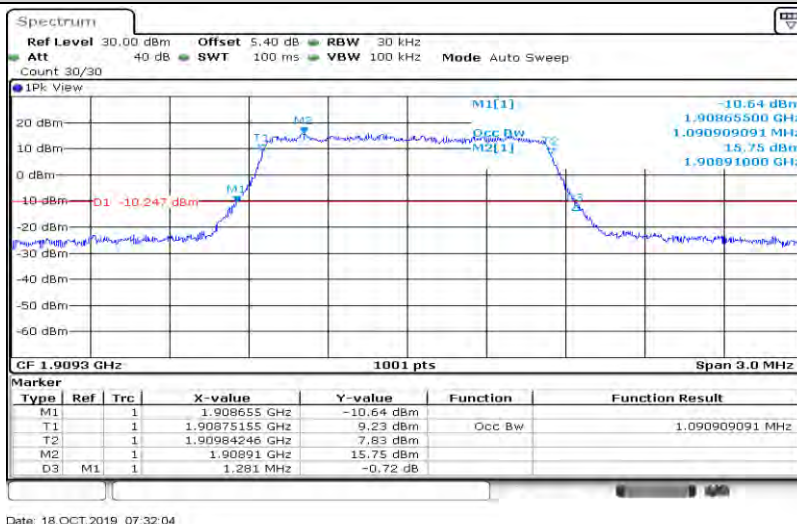


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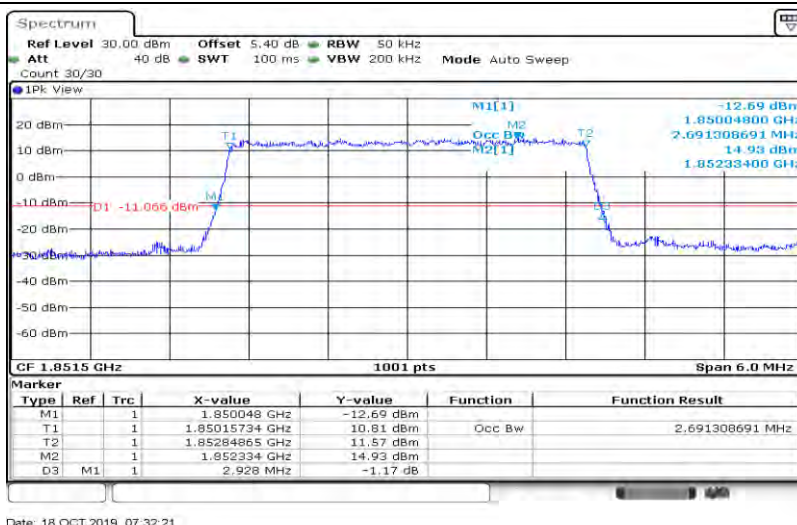


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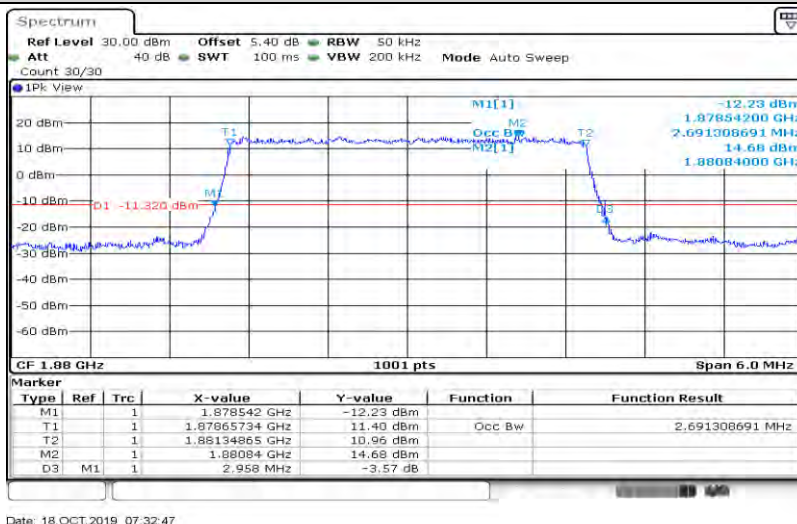
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Date: 18.OCT.2019 07:32:21

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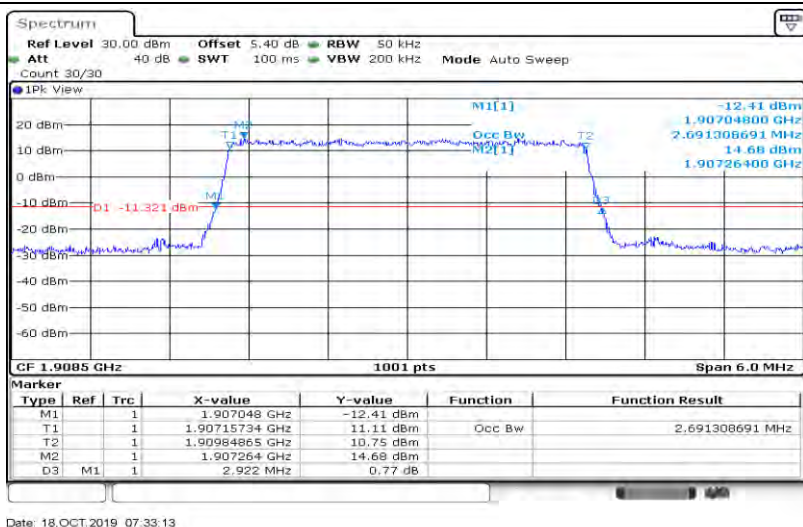
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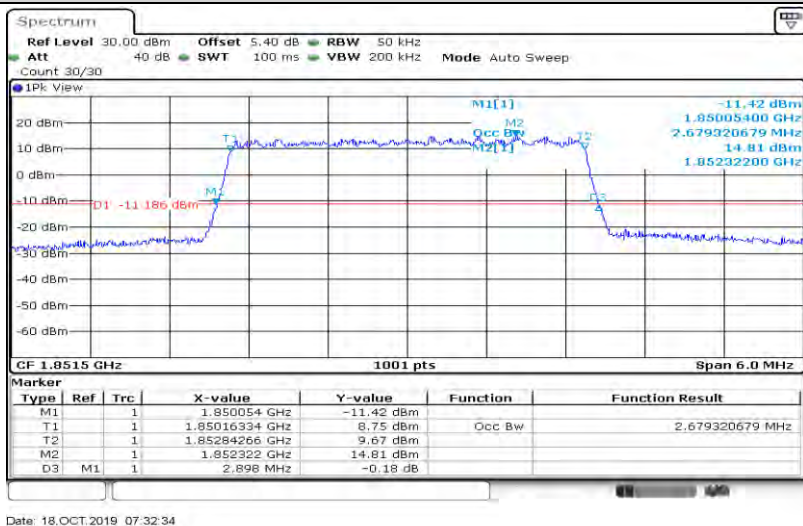


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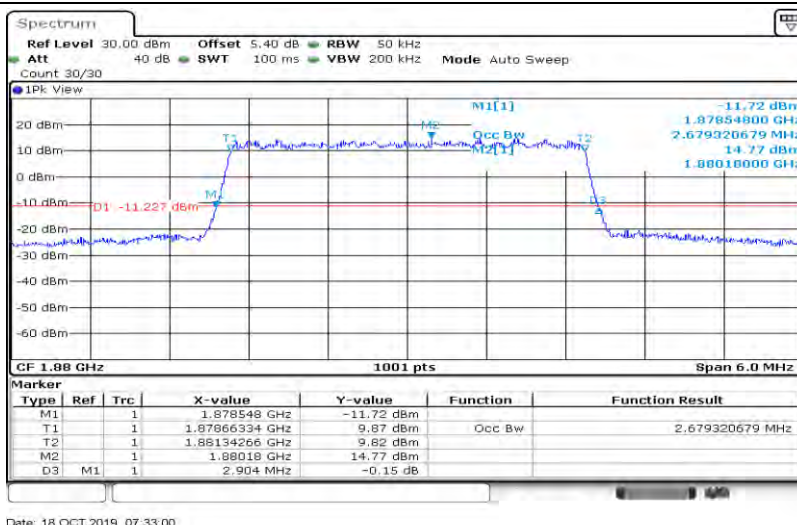
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Band2-3MHz-16QAM-18615-15RB#0-2.679

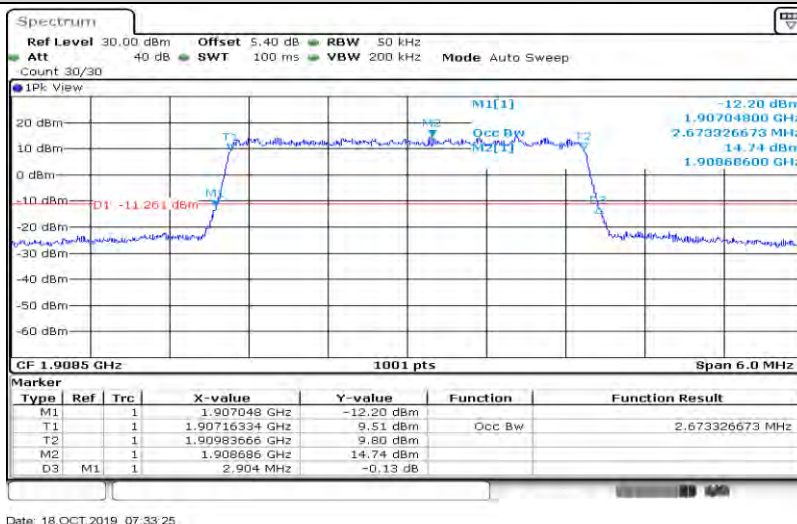


Band2-3MHz-16QAM-18900-15RB#0-2.679



Date: 18.OCT.2019 07:33:00

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Date: 18.OCT.2019 07:33:25

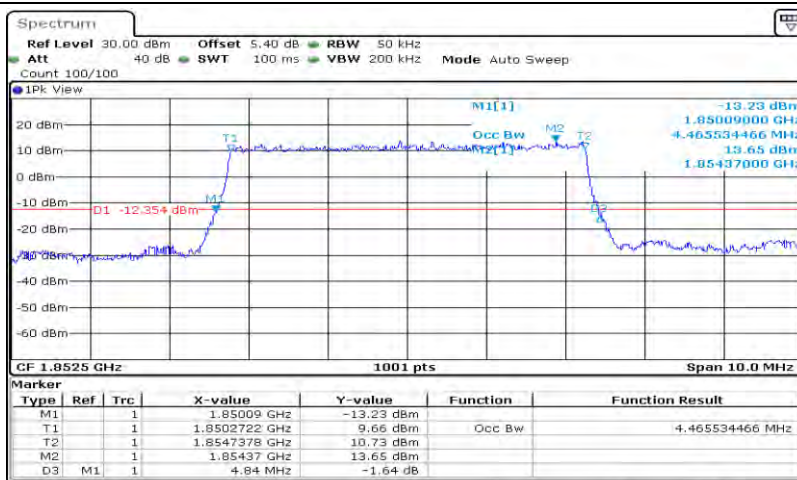
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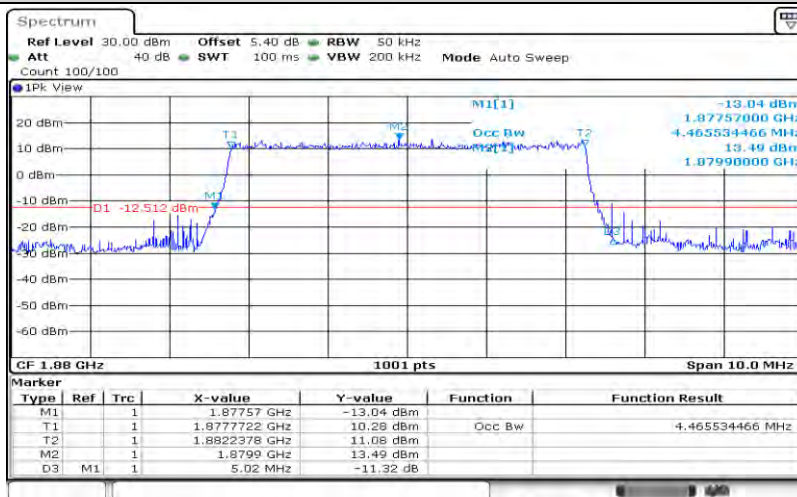
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Band2-5MHz-QPSK-18900-25RB#0-4.466



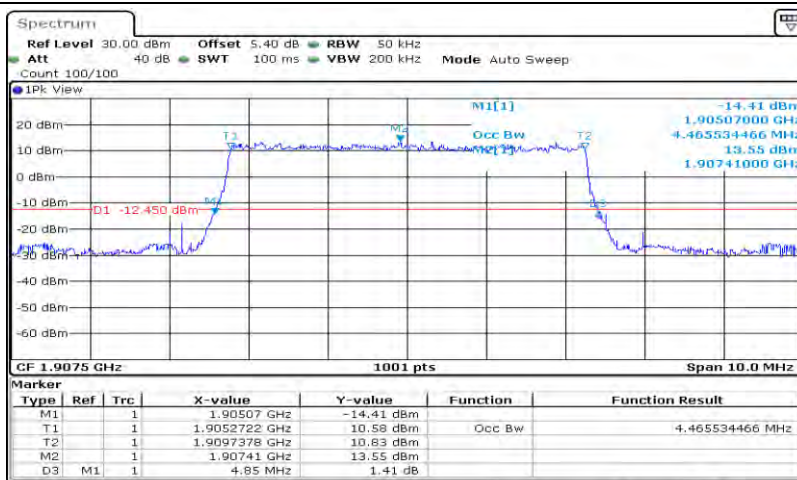
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Band2-5MHz-QPSK-19175-25RB#0-4.466



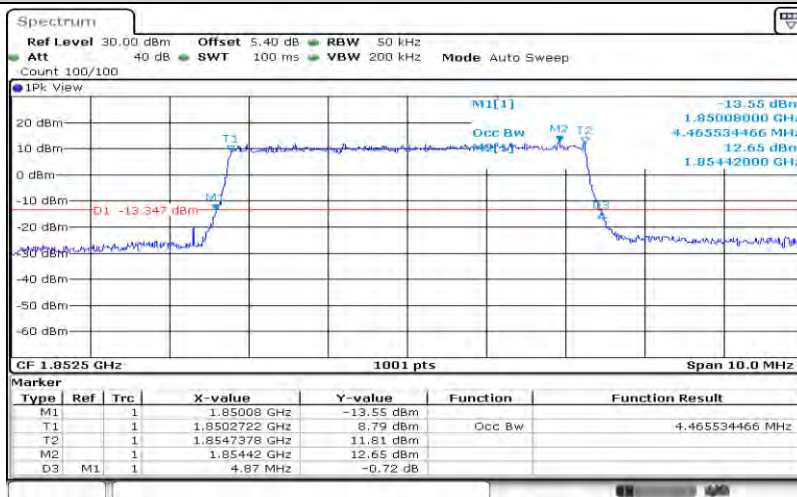
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Band2-5MHz-16QAM-18625-25RB#0-4.466



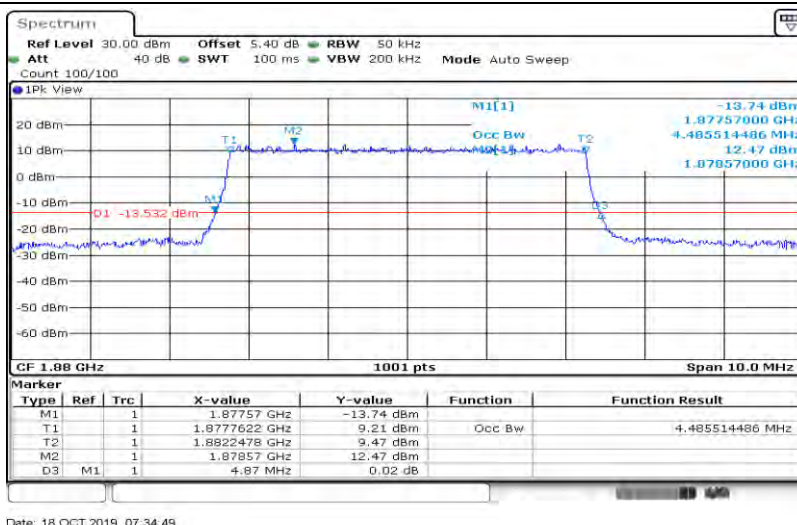
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Band2-5MHz-16QAM-18900-25RB#0-4.486

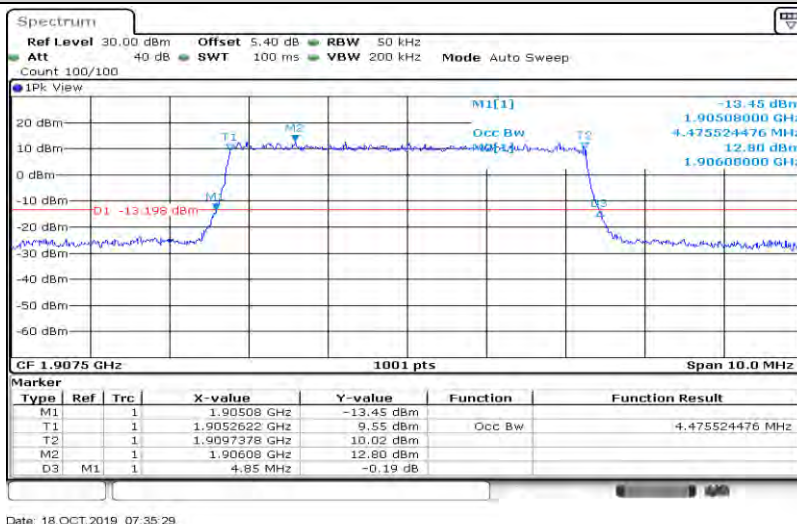


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Band2-5MHz-16QAM-19175-25RB#0-4.476

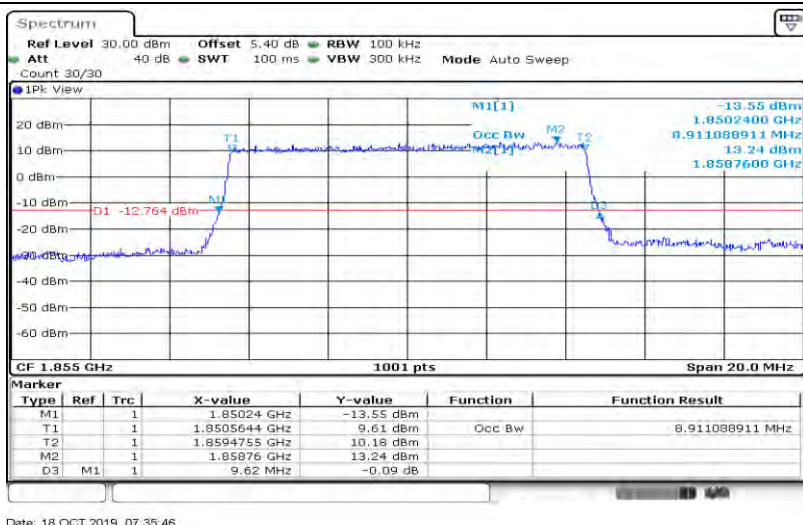


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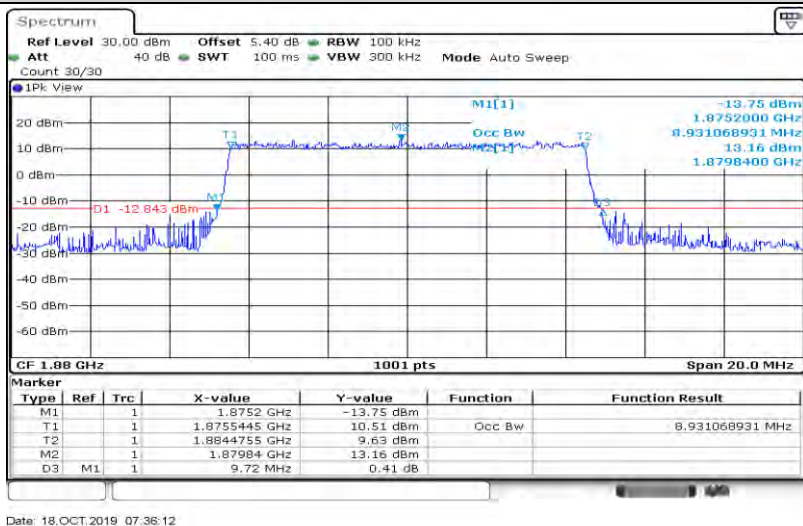


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Band2-10MHz-QPSK-18900-50RB#0-8.931



Band2-10MHz-QPSK-19150-50RB#0-8.911

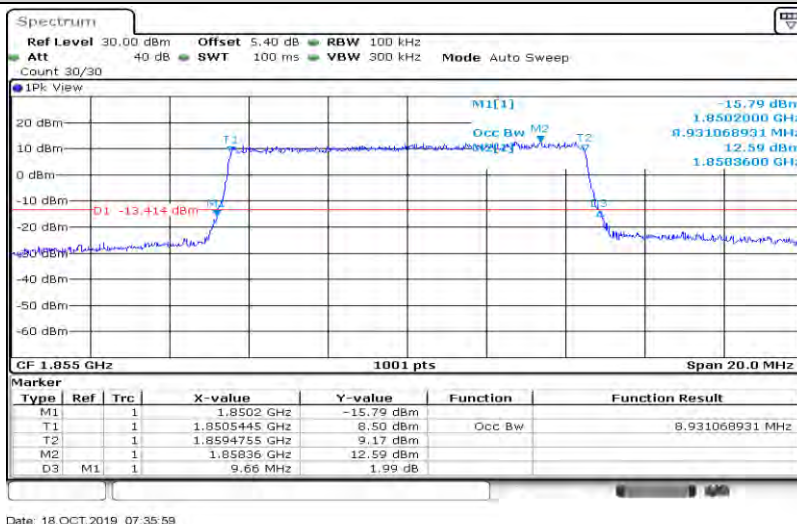


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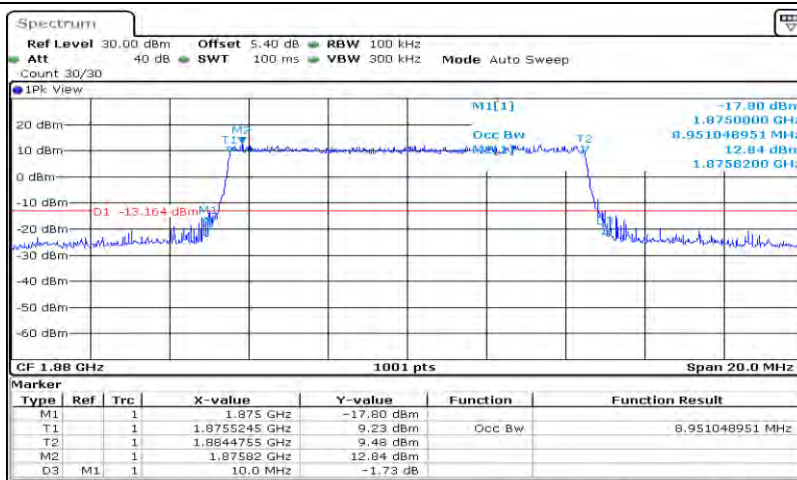
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Band2-10MHz-16QAM-18650-50RB#0-8.931

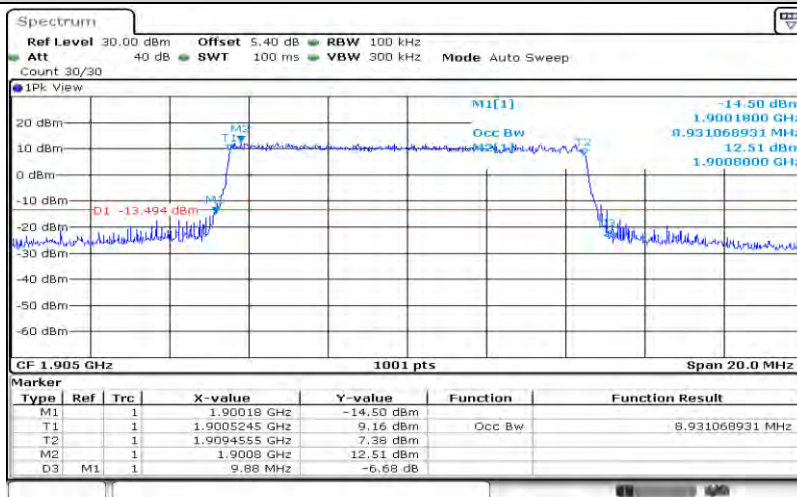


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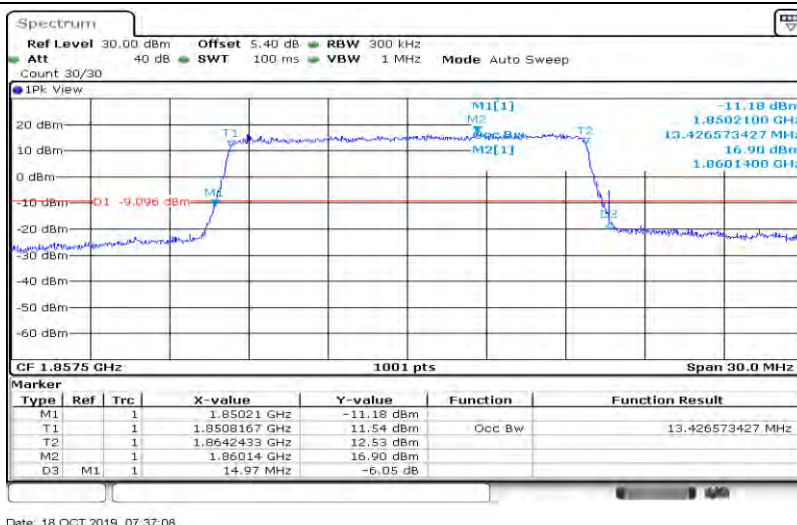
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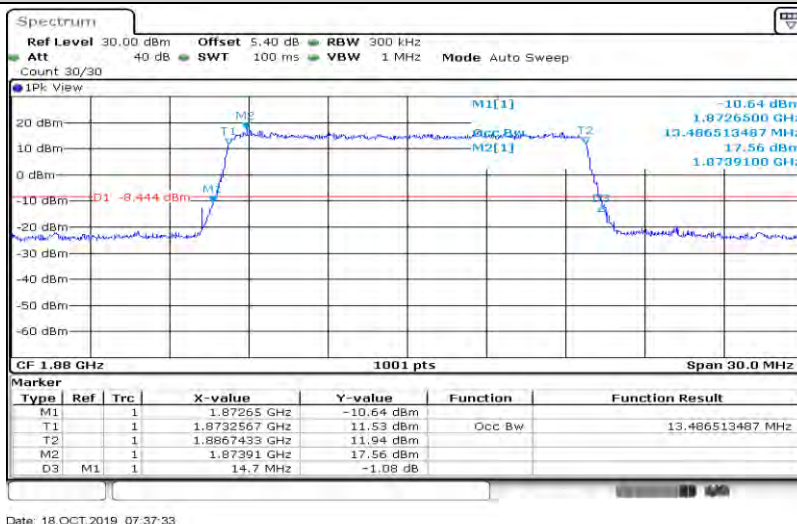
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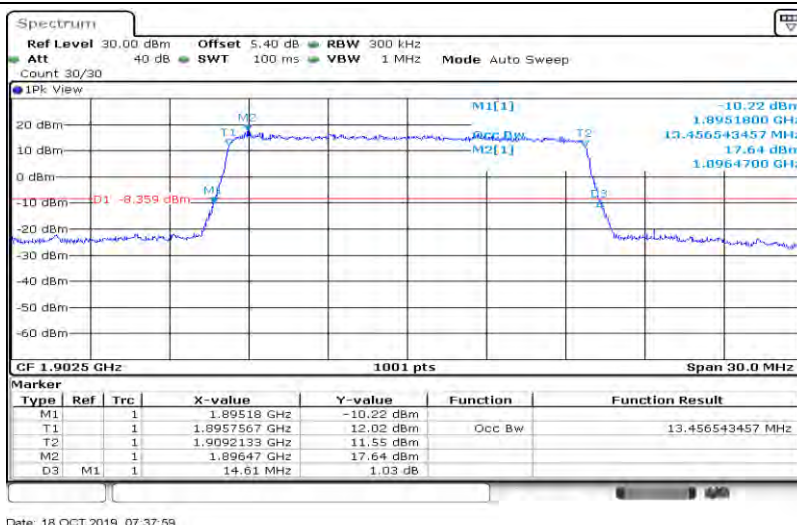
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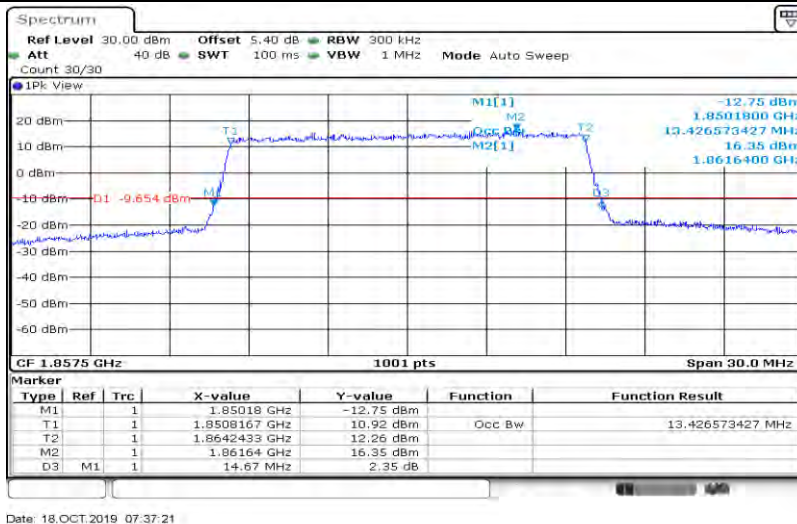


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Band2-15MHz-16QAM-18675-75RB#0-13.427

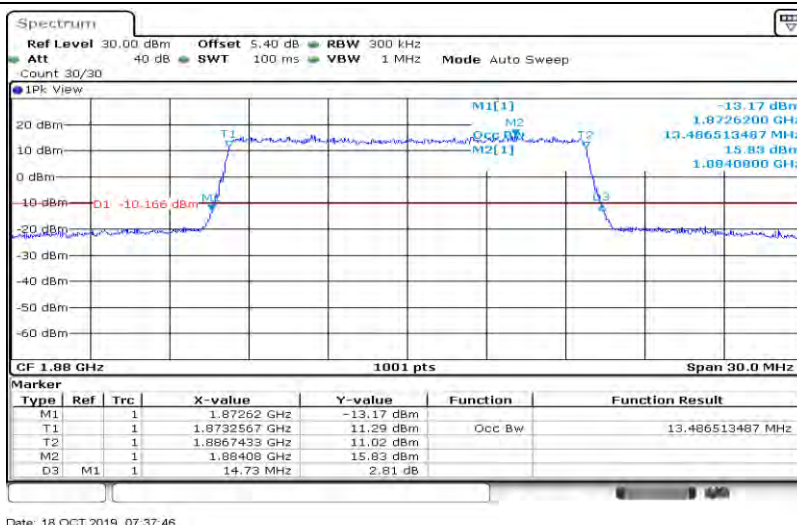


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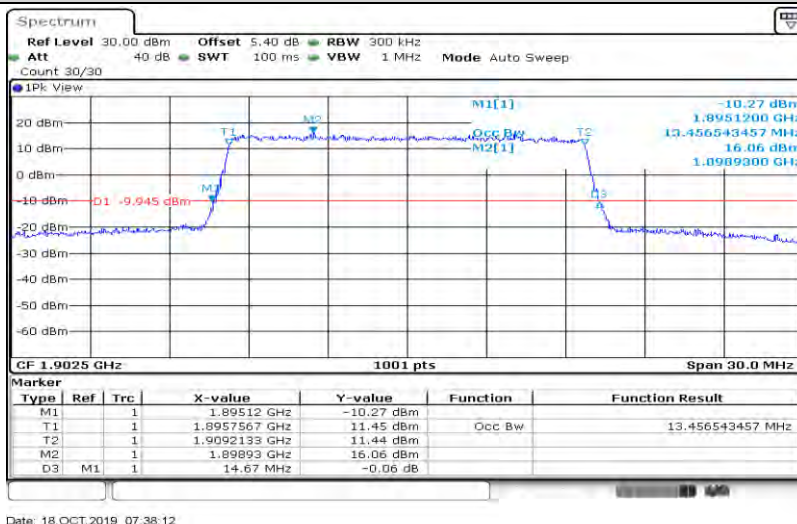


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Band2-15MHz-16QAM-19125-75RB#0-13.457

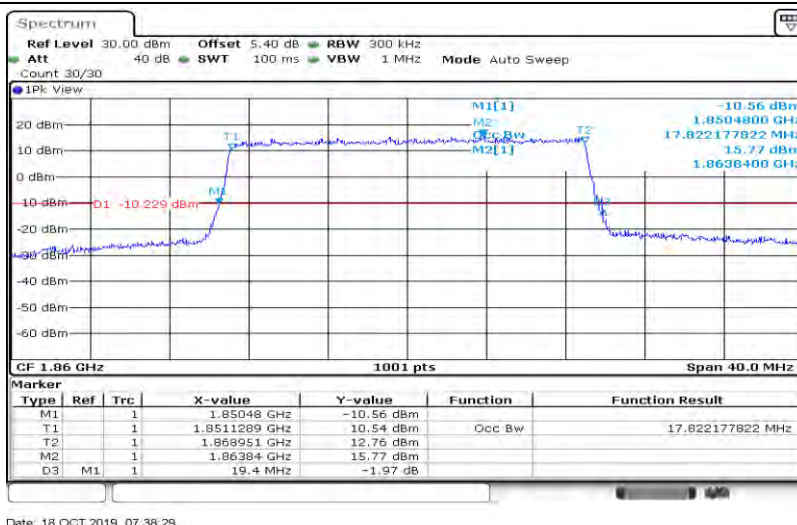


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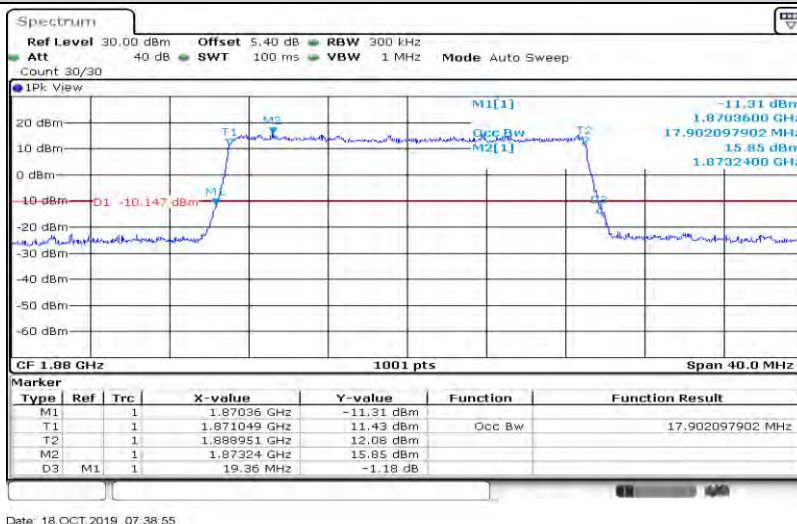


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Band2-20MHz-QPSK-18900-100RB#0-17.902

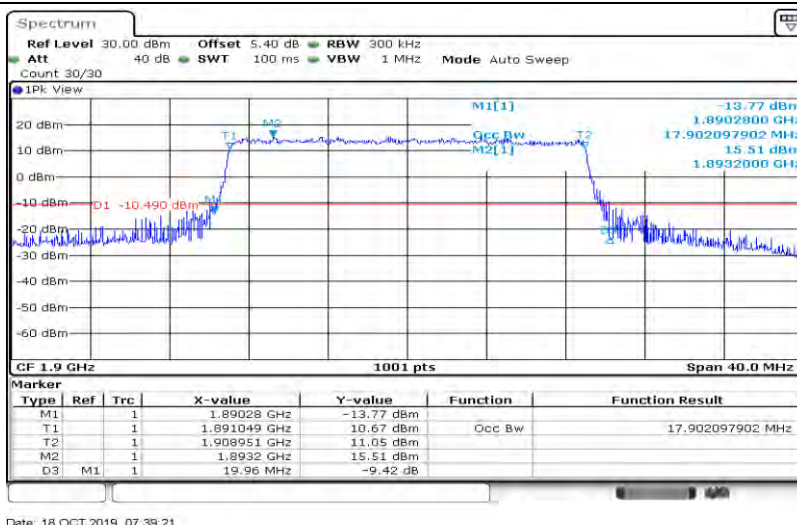


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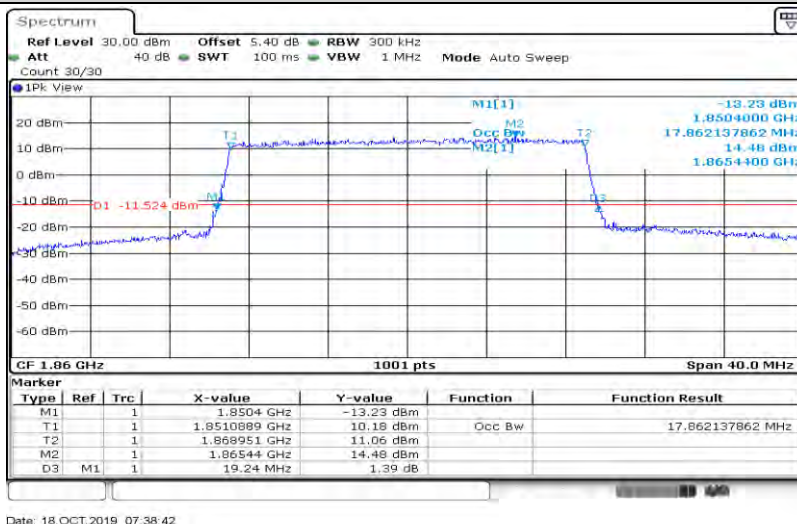


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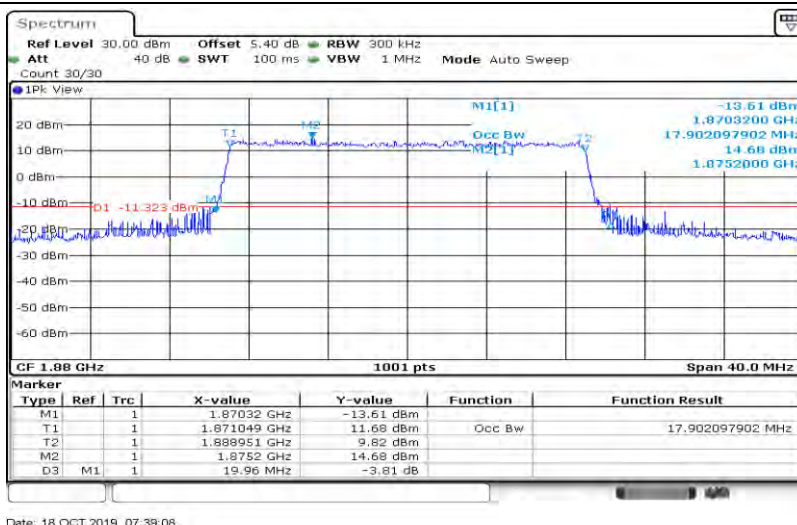
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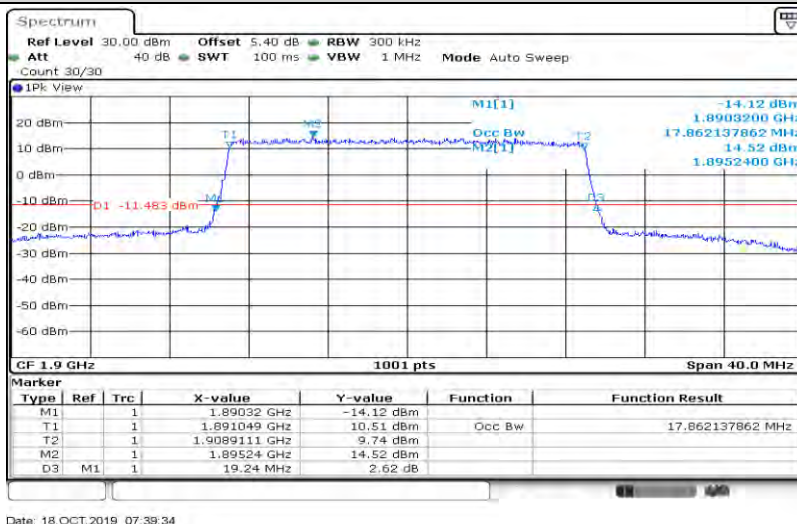
Band2-20MHz-16QAM-18700-100RB#0-17.862



Band2-20MHz-16QAM-18900-100RB#0-17.902



Band2-20MHz-16QAM-19100-100RB#0-17.862



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5. Band Edge Compliance

5.1. Test Plots

Band2-1.4MHz-QPSK-18607-1RB#0



Date: 18.OCT.2019 07:39:58

Band2-1.4MHz-QPSK-18607-6RB#0



Date: 18.OCT.2019 07:42:43

Band2-1.4MHz-QPSK-19193-1RB#5



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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Band2-1.4MHz-QPSK-19193-6RB#0



Band2-1.4MHz-16QAM-18607-1RB#0





Band2-1.4MHz-16QAM-18607-6RB#0



Band2-1.4MHz-16QAM-19193-1RB#5



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Band2-1.4MHz-16QAM-19193-6RB#0



Band2-3MHz-QPSK-18615-1RB#0



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Band2-3MHz-QPSK-18615-15RB#0



Band2-3MHz-QPSK-19185-1RB#14



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Band2-3MHz-QPSK-19185-15RB#0



Band2-3MHz-16QAM-18615-1RB#0



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Band2-3MHz-16QAM-18615-15RB#0



Band2-3MHz-16QAM-19185-1RB#14



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Band2-3MHz-16QAM-19185-15RB#0



Band2-5MHz-QPSK-18625-1RB#0



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Band2-5MHz-QPSK-18625-25RB#0



Band2-5MHz-QPSK-19175-1RB#24





Date: 18.OCT.2019 07:49:38

Band2-5MHz-QPSK-19175-25RB#0



Date: 18.OCT.2019 07:51:40

Band2-5MHz-16QAM-18625-1RB#0



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Band2-5MHz-16QAM-18625-25RB#0



Band2-5MHz-16QAM-19175-1RB#24





Band2-5MHz-16QAM-19175-25RB#0



Band2-10MHz-QPSK-18650-1RB#0



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Band2-10MHz-QPSK-18650-50RB#0



Band2-10MHz-QPSK-19150-1RB#49



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Band2-10MHz-16QAM-18650-1RB#0



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Band2-10MHz-16QAM-18650-50RB#0



Band2-10MHz-16QAM-19150-1RB#49





Band2-10MHz-16QAM-19150-50RB#0



Band2-15MHz-QPSK-18675-1RB#0



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Date: 18.OCT.2019 07:56:33

Band2-15MHz-QPSK-18675-75RB#0



Date: 18.OCT.2019 07:59:19

Band2-15MHz-QPSK-19125-1RB#74



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Band2-15MHz-QPSK-19125-75RB#0



Band2-15MHz-16QAM-18675-1RB#0



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Band2-15MHz-16QAM-18675-75RB#0



Band2-15MHz-16QAM-19125-1RB#74





Band2-15MHz-16QAM-19125-75RB#0



Band2-20MHz-QPSK-18700-1RB#0





Band2-20MHz-QPSK-18700-100RB#0



Band2-20MHz-QPSK-19100-1RB#99





Band2-20MHz-QPSK-19100-100RB#0



Band2-20MHz-16QAM-18700-1RB#0



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Band2-20MHz-16QAM-18700-100RB#0



Band2-20MHz-16QAM-19100-1RB#99



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Band2-20MHz-16QAM-19100-100RB#0





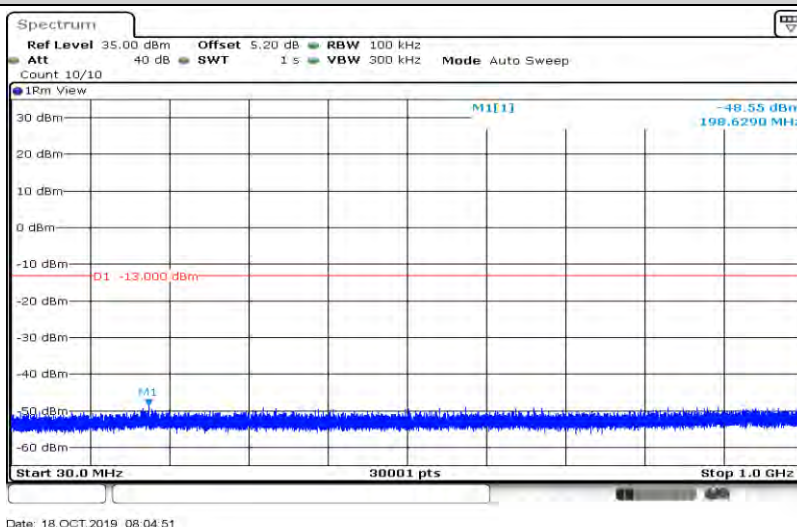
6. Spurious Emission at Antenna Terminal

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 = $k * (\text{Span} / RBW)$ " 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.

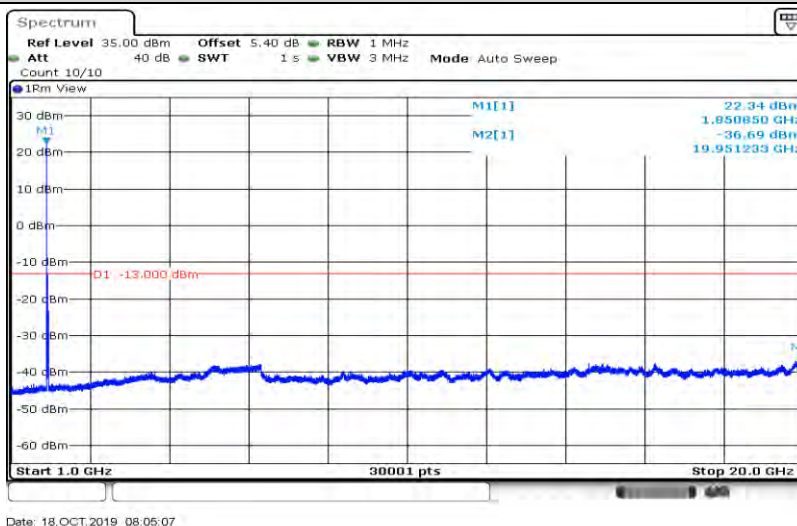
6.1. Test Plots

Band2-20MHz-QPSK-18700-1RB#0-Range1:30~1000MHz



Date: 18.OCT.2019 08:04:51

Band2-20MHz-QPSK-18700-1RB#0-Range2:1000~20000MHz



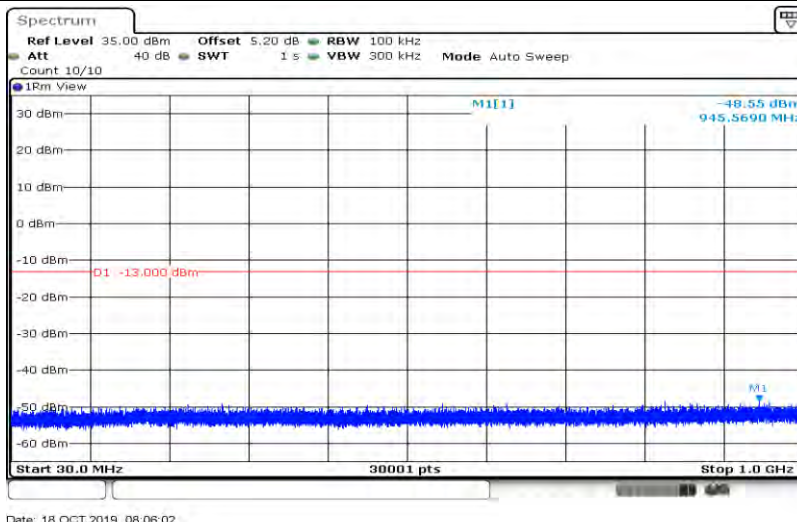
Date: 18.OCT.2019 08:05:07

Band2-20MHz-QPSK-18900-1RB#0-Range1:30~1000MHz

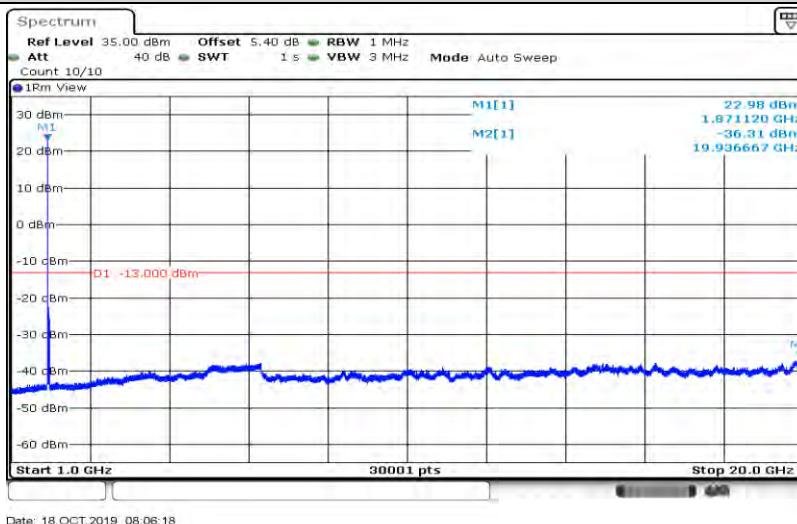


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Band2-20MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz

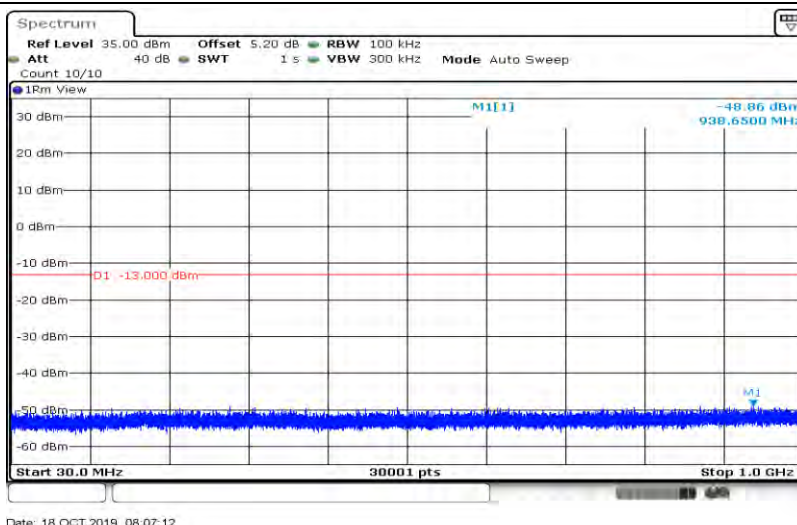


Band2-20MHz-QPSK-19100-1RB#0-Range1:30~1000MHz

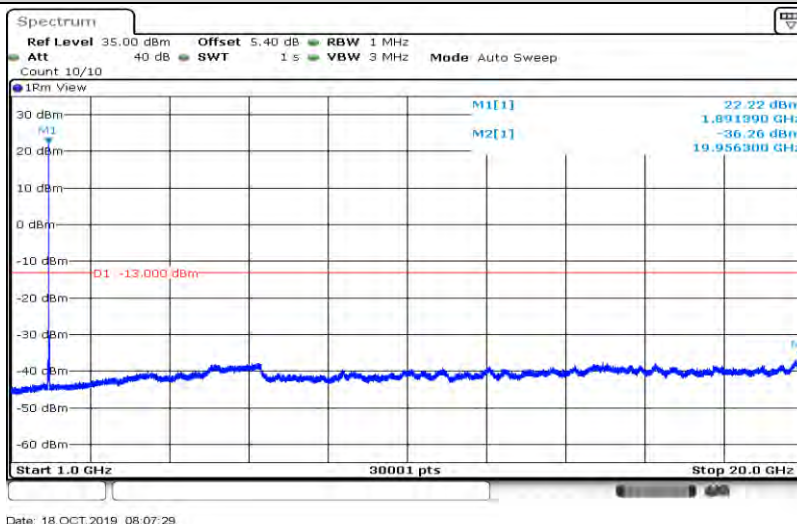


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Band2-20MHz-QPSK-19100-1RB#0-Range2:1000~20000MHz

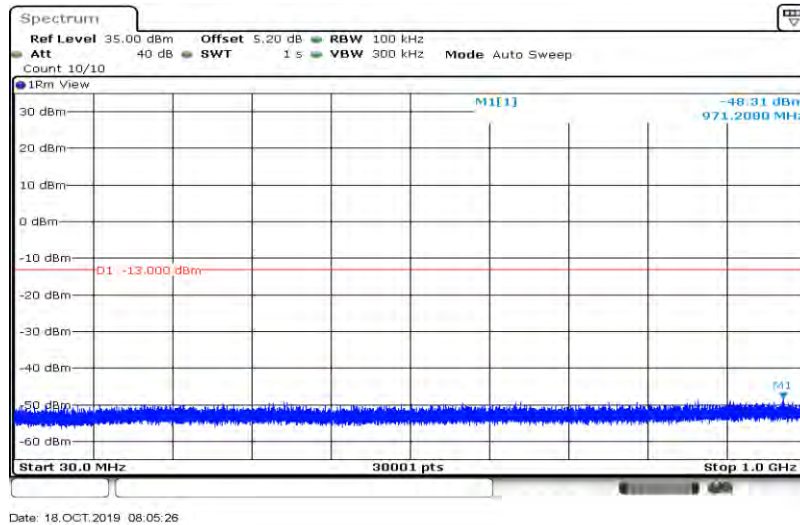


Band2-20MHz-16QAM-18700-1RB#0-Range1:30~1000MHz

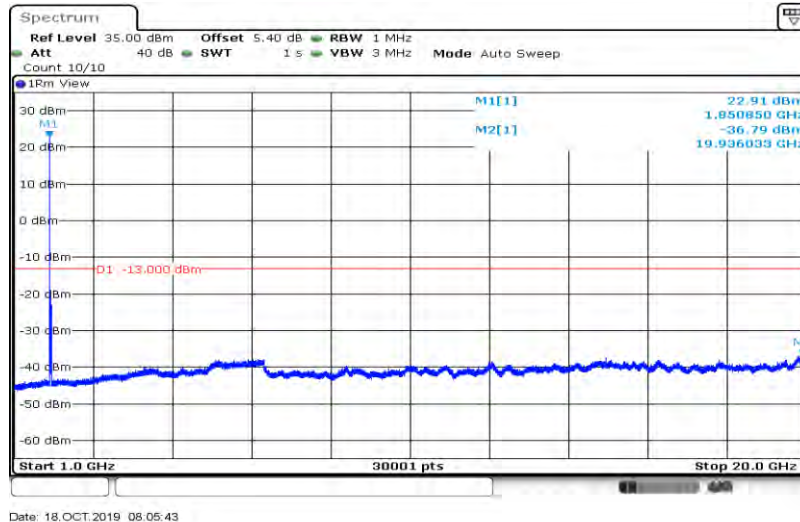


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Band2-20MHz-16QAM-18700-1RB#0-Range2:1000~20000MHz

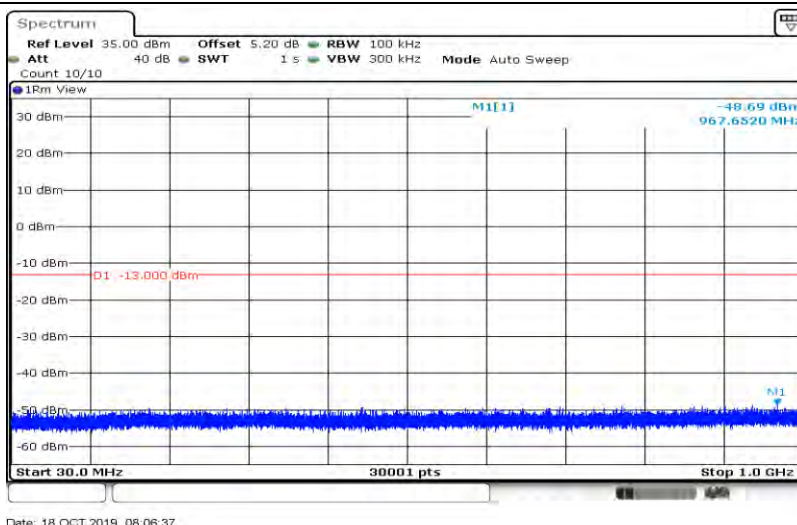


Band2-20MHz-16QAM-18900-1RB#0-Range1:30~1000MHz



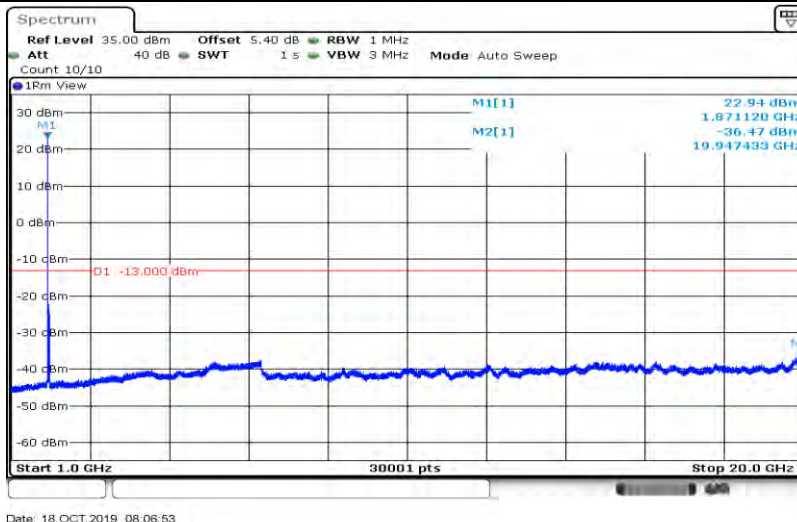
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Date: 18.OCT.2019 08:06:37

Band2-20MHz-16QAM-18900-1RB#0-Range2:1000~20000MHz



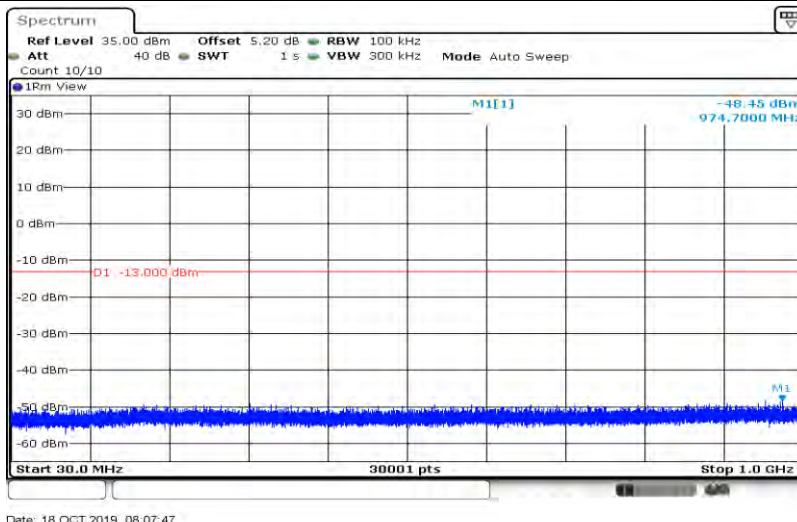
Date: 18.OCT.2019 08:06:53

Band2-20MHz-16QAM-19100-1RB#0-Range1:30~1000MHz

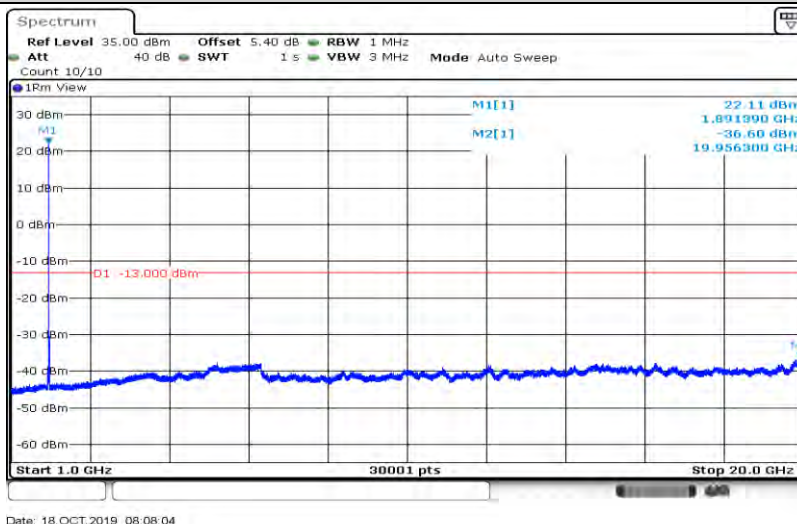


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Band2-20MHz-16QAM-19100-1RB#0-Range2:1000~20000MHz



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
69.8690	-69.19	-13.00	56.19	Vertical
109.0590	-64.01	-13.00	51.01	Vertical
468.4134	-66.21	-13.00	53.21	Vertical
2692.7385	-36.89	-13.00	23.89	Vertical
7970.1657	-52.49	-13.00	39.49	Vertical
17987.4996	-32.87	-13.00	19.87	Vertical
44.2597	-63.40	-13.00	50.40	Horizontal
241.1796	-68.07	-13.00	55.07	Horizontal
1220.4441	-47.75	-13.00	34.75	Horizontal
2699.5399	-35.24	-13.00	22.24	Horizontal
7468.6490	-53.03	-13.00	40.03	Horizontal
17993.4998	-37.83	-13.00	24.83	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.7219	-71.10	-13.00	58.10	Vertical
110.1745	-64.49	-13.00	51.49	Vertical
449.2550	-66.12	-13.00	53.12	Vertical
2696.3393	-37.01	-13.00	24.01	Vertical
7996.6666	-52.37	-13.00	39.37	Vertical
17994.9998	-32.61	-13.00	19.61	Vertical
43.4837	-63.96	-13.00	50.96	Horizontal
227.8414	-67.65	-13.00	54.65	Horizontal
618.5769	-63.55	-13.00	50.55	Horizontal
2700.3401	-35.56	-13.00	22.56	Horizontal
7492.6498	-53.20	-13.00	40.20	Horizontal
16400.4467	-38.46	-13.00	25.46	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.7704	-70.26	-13.00	57.26	Vertical
107.4584	-64.13	-13.00	51.13	Vertical
423.3547	-67.70	-13.00	54.70	Vertical
2696.7393	-36.82	-13.00	23.82	Vertical
8004.1668	-51.94	-13.00	38.94	Vertical
17994.4998	-33.22	-13.00	20.22	Vertical
42.8046	-63.82	-13.00	50.82	Horizontal
116.8193	-75.50	-13.00	62.50	Horizontal
249.4250	-68.15	-13.00	55.15	Horizontal
2703.1406	-35.62	-13.00	22.62	Horizontal
7982.6661	-52.77	-13.00	39.77	Horizontal
16400.4467	-38.31	-13.00	25.31	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
Band2	20MHz	QPSK	18700	100RB#0	VL	NT	-10.60	-0.005699	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	-14.60	-0.007849	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	-12.10	-0.006505	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-9.70	-0.005160	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-14.30	-0.007606	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-11.50	-0.006117	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	8.80	0.004632	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-13.50	-0.007105	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	1.00	0.000526	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	-17.70	-0.009516	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	-4.80	-0.002581	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	-9.90	-0.005323	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-12.50	-0.006649	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-16.00	-0.008511	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	0.70	0.000372	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	1.90	0.001000	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	-18.90	-0.009947	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	1.10	0.000579	±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
Band2	20MHz	QPSK	18700	100RB#0	NV	-30	-10.10	-0.005430	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	-4.70	-0.002527	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	-1.40	-0.000753	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	-8.50	-0.004570	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	7.10	0.003817	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	-3.00	-0.001613	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	0.80	0.000430	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	-14.40	-0.007742	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	0.80	0.000426	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-9.00	-0.004787	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-8.00	-0.004255	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-13.50	-0.007181	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-14.70	-0.007819	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-14.70	-0.007819	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-0.50	-0.000266	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-1.50	-0.000798	±2.5	PASS



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Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-7.20	-0.003789	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	7.00	0.003684	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	6.40	0.003368	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-9.50	-0.005000	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-9.80	-0.005158	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	1.50	0.000789	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	-7.10	-0.003737	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	-13.40	-0.007053	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	-8.80	-0.004731	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	0.30	0.000161	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	-8.70	-0.004677	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	-9.90	-0.005323	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	-9.00	-0.004839	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	-18.90	-0.010161	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	-1.70	-0.000914	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	-0.30	-0.000161	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-14.90	-0.007926	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-14.50	-0.007713	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-2.00	-0.001064	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-1.00	-0.000532	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	0.50	0.000266	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-9.40	-0.005000	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	5.40	0.002872	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-13.40	-0.007128	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-18.90	-0.009947	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	-16.00	-0.008421	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	-10.20	-0.005368	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-13.20	-0.006947	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	5.00	0.002632	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	-15.20	-0.008000	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-3.60	-0.001895	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-10.80	-0.005684	±2.5	PASS

The End



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