



Appendix B

E-UTRA Band 2



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CONTENT

1	EFFECTIVE (ISOTROPIC) RADIATED POWER	4
1.1.	TEST RESULT	4
2.	PEAK-TO-AVERAGE RATIO (CCDF)	12
2.1.	TEST RESULT	12
2.2.	TEST PLOTS.....	12
3.	MODULATION CHARACTERISTICS	16
3.1.	TEST MODE = LTE /TM1 20MHZ.....	16
3.1.1.	TEST CHANNEL = MCH.....	16
3.2.	TEST MODE = LTE /TM2 20MHZ.....	17
3.2.1.	TEST CHANNEL = MCH.....	17
4.	26DB BANDWIDTH AND OCCUPIED BANDWIDTH	18
4.1.	TEST RESULT	18
4.2.	TEST PLOTS.....	20
5.	BAND EDGE COMPLIANCE	38
5.1.	TEST PLOTS.....	38
6.	SPURIOUS EMISSION AT ANTENNA TERMINAL	63
6.1.	TEST PLOTS.....	63
7.	FIELD STRENGTH OF SPURIOUS RADIATION	70
7.1.	Test Band = LTE_Band=2 BW=20MHz _TM1	70
7.1.1.	Test Channel = Low Channel	70
7.2.	Test Band = LTE_Band=2 BW=20MHz _TM1	70
7.2.1.	Test Channel = Low Channel	70
7.3.	Test Band = LTE_Band=2 BW=20MHz _TM1	71
7.3.1.	Test Channel = Mid Channel	71
7.4.	Test Band = LTE_Band=2 BW=20MHz _TM1	71
7.4.1.	Test Channel = Mid Channel	71
7.5.	Test Band = LTE_Band=2 BW=20MHz _TM1	72
7.5.1.	Test Channel = High Channel	72
7.6.	Test Band = LTE_Band=2 BW=20MHz _TM1	72
7.6.1.	Test Channel = High Channel	72
7.7.	Test Band = LTE_Band=2 BW=20MHz _TM1	73



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7.7.1.	Test Channel = Low Channel	73
7.8.	Test Band = LTE_Band=2 BW=20MHz _TM1	73
7.8.1.	Test Channel = Low Channel	73
7.9.	Test Band = LTE_Band=2 BW=20MHz _TM1	74
7.9.1.	Test Channel = Mid Channel	74
7.10.	Test Band = LTE_Band=2 BW=20MHz _TM1	74
7.10.1.	Test Channel = Mid Channel	74
7.11.	Test Band = LTE_Band=2 BW=20MHz _TM1	75
7.11.1.	Test Channel = High Channel	75
7.12.	Test Band = LTE_Band=2 BW=20MHz _TM1	75
7.12.1.	Test Channel = High Channel	75
8.	FREQUENCY STABILITY	76
8.1.	FREQUENCY VS VOLTAGE	76
8.2.	FREQUENCY VS TEMPERATURE	77



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

ANT2:

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	24.45	27.52	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	24.42	27.49	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	24.65	27.72	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	24.80	27.87	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	24.67	27.74	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	24.75	27.82	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	23.56	26.63	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	24.56	27.63	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	24.56	27.63	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	24.52	27.59	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	24.66	27.73	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	24.69	27.76	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	24.68	27.75	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	23.54	26.61	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	24.50	27.57	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	24.23	27.3	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	24.38	27.45	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	24.67	27.74	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	24.55	27.62	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	24.58	27.65	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	23.52	26.59	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	23.16	26.23	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	23.10	26.17	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	23.06	26.13	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	23.70	26.77	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	23.75	26.82	33.00	PASS



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Band2	1.4MHz	16QAM	18607	3RB#3	23.74	26.81	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	22.69	25.76	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.92	25.99	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	23.19	26.26	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	23.18	26.25	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	23.71	26.78	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	23.77	26.84	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	23.67	26.74	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	22.29	25.36	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	23.30	26.37	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	23.28	26.35	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	23.19	26.26	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	23.72	26.79	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	23.60	26.67	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	23.83	26.9	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	22.81	25.88	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	24.33	27.4	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	24.62	27.69	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	24.59	27.66	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	23.52	26.59	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	23.57	26.64	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	23.54	26.61	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	23.54	26.61	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	24.47	27.54	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	24.60	27.67	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	24.53	27.6	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	23.55	26.62	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	23.62	26.69	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	23.62	26.69	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	23.52	26.59	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	24.27	27.34	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	24.37	27.44	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	24.61	27.68	33.00	PASS



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Band2	3MHz	QPSK	19185	8RB#4	23.52	26.59	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	23.75	26.82	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	23.58	26.65	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	23.64	26.71	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.95	26.02	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	23.00	26.07	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	23.28	26.35	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	22.43	25.5	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	22.40	25.47	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	22.44	25.51	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	22.60	25.67	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	23.17	26.24	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	23.14	26.21	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	23.16	26.23	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	22.43	25.5	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	22.54	25.61	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	22.54	25.61	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	22.78	25.85	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	23.11	26.18	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	23.15	26.22	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	23.25	26.32	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	22.50	25.57	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	22.56	25.63	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#4	22.48	25.55	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	22.64	25.71	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	24.48	27.55	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	24.73	27.8	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	24.54	27.61	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	23.53	26.6	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	23.51	26.58	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	23.40	26.47	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	23.45	26.52	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	24.44	27.51	33.00	PASS



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Band2	5MHz	QPSK	18900	1RB#0	24.43	27.5	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	24.53	27.6	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	23.61	26.68	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	23.57	26.64	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	23.60	26.67	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	23.54	26.61	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	24.58	27.65	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	24.48	27.55	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	24.35	27.42	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	23.75	26.82	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	23.60	26.67	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	23.46	26.53	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	23.61	26.68	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	23.20	26.27	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	23.42	26.49	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.75	25.82	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	22.39	25.46	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#0	22.64	25.71	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	22.46	25.53	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	22.51	25.58	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	23.18	26.25	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	23.61	26.68	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	23.10	26.17	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	22.57	25.64	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	22.58	25.65	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	22.40	25.47	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	22.66	25.73	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	23.27	26.34	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	23.02	26.09	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	23.48	26.55	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	22.57	25.64	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	22.50	25.57	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	22.67	25.74	33.00	PASS



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Band2	5MHz	16QAM	19175	25RB#0	22.60	25.67	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	24.52	27.59	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	25.01	28.08	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	24.13	27.2	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#12	23.57	26.64	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#0	23.64	26.71	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	23.31	26.38	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	23.51	26.58	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	24.06	27.13	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	24.47	27.54	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	25.03	28.1	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	23.78	26.85	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	23.63	26.7	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	23.48	26.55	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	23.56	26.63	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	24.92	27.99	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	24.05	27.12	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	24.25	27.32	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	23.71	26.78	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	23.45	26.52	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#12	23.74	26.81	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	23.59	26.66	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	23.13	26.2	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	23.18	26.25	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	23.33	26.4	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	22.62	25.69	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	22.60	25.67	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	22.66	25.73	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	22.48	25.55	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	23.17	26.24	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	23.26	26.33	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	23.34	26.41	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#25	22.52	25.59	33.00	PASS



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Band2	10MHz	16QAM	18900	25RB#12	22.71	25.78	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#0	22.81	25.88	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	22.75	25.82	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	23.38	26.45	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	23.24	26.31	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	23.08	26.15	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	22.55	25.62	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	22.73	25.8	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	22.75	25.82	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	22.67	25.74	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	24.15	27.22	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	24.51	27.58	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	25.00	28.07	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	23.43	26.5	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	23.57	26.64	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	23.64	26.71	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	23.53	26.6	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	24.12	27.19	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	24.82	27.89	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	24.39	27.46	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	23.78	26.85	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#39	23.49	26.56	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	23.61	26.68	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	23.52	26.59	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	24.10	27.17	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	25.02	28.09	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	24.27	27.34	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	23.66	26.73	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	23.58	26.65	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	23.48	26.55	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	23.56	26.63	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	23.29	26.36	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	23.01	26.08	33.00	PASS



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Band2	15MHz	16QAM	18675	1RB#38	23.06	26.13	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#0	22.55	25.62	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	22.54	25.61	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	22.52	25.59	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	22.60	25.67	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	23.17	26.24	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.93	26	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.99	26.06	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	22.69	25.76	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	22.56	25.63	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	22.49	25.56	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	22.70	25.77	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	23.18	26.25	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	23.17	26.24	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	23.31	26.38	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	22.51	25.58	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	22.61	25.68	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	22.63	25.7	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	22.50	25.57	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.99	27.06	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	24.87	27.94	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	24.52	27.59	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	23.71	26.78	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#0	23.62	26.69	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	23.48	26.55	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	23.56	26.63	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	24.23	27.3	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	24.37	27.44	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	24.95	28.02	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	23.73	26.8	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	23.76	26.83	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#50	23.40	26.47	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	23.60	26.67	33.00	PASS



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Band2	20MHz	QPSK	19100	1RB#0	24.17	27.24	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	25.11	28.18	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.93	27	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	23.54	26.61	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	23.75	26.82	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	23.55	26.62	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	23.47	26.54	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	23.31	26.38	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	23.19	26.26	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	23.18	26.25	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	22.65	25.72	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	22.52	25.59	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	22.58	25.65	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	22.63	25.7	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	23.16	26.23	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	23.26	26.33	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	23.14	26.21	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	22.56	25.63	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	22.61	25.68	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	22.63	25.7	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	22.68	25.75	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	23.21	26.28	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	23.18	26.25	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	23.19	26.26	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	22.62	25.69	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	22.56	25.63	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	22.53	25.6	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	22.51	25.58	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]

The conducted Power is measured by Base Station Simulator



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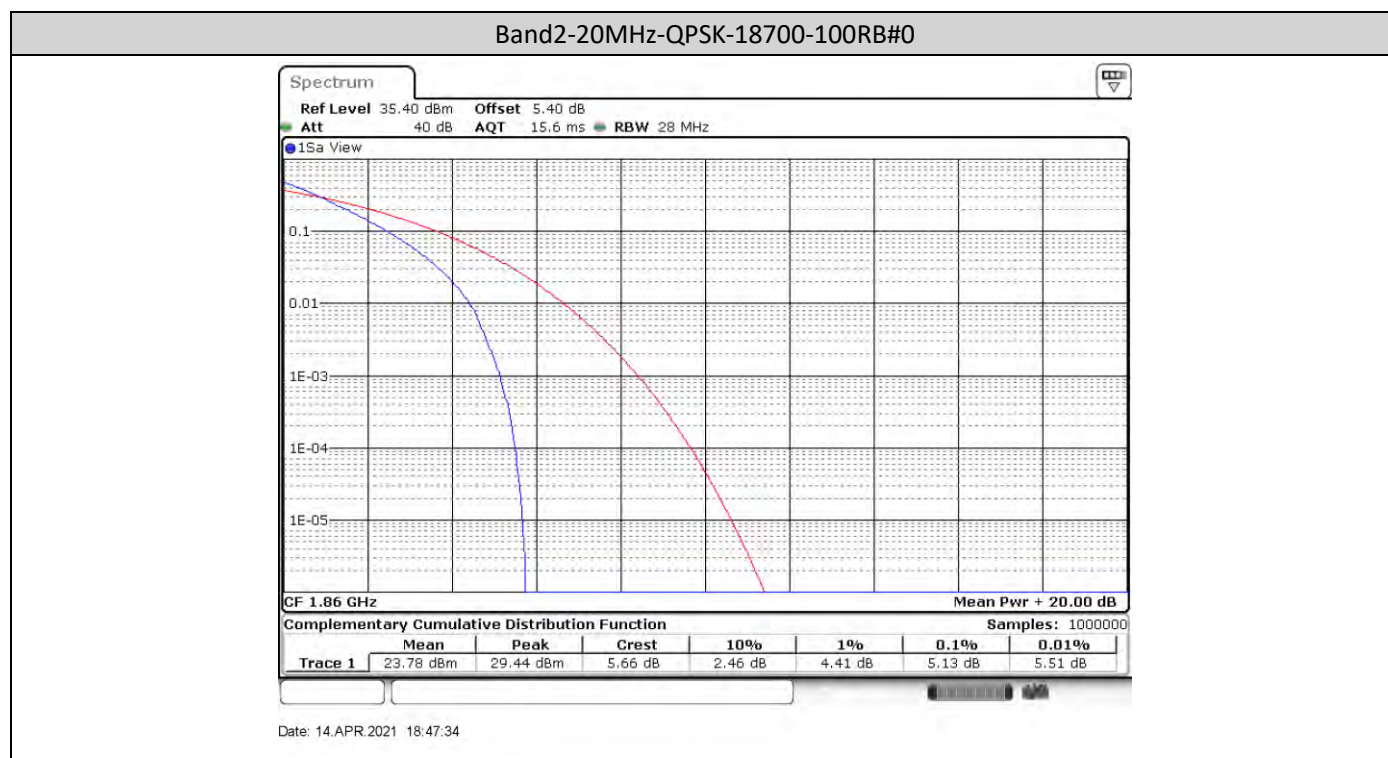
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2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	5.13	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.13	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.19	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.06	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.03	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.06	13	PASS

2.2. Test Plots





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



Date: 14 APR 2021 18:47:58

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



Date: 14 APR 2021 18:48:21



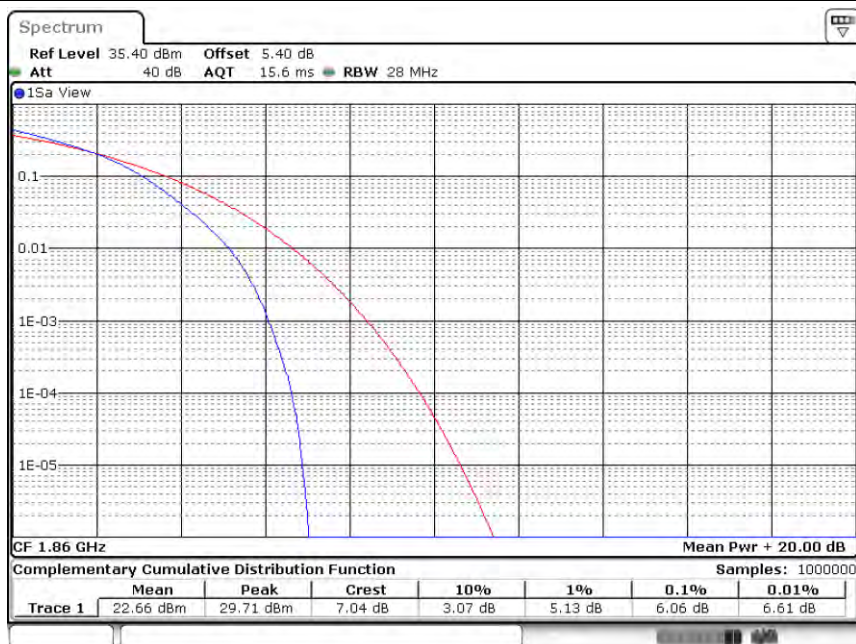
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Band2-20MHz-16QAM-18700-100RB#0



Date: 14 APR 2021 18:47:45

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



Date: 14 APR 2021 18:48:09



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



Date: 14 APR 2021 18:48:32

Remark: all modulation and all Bandwidth had been tested, but only the worst configuration was displayed in this report.



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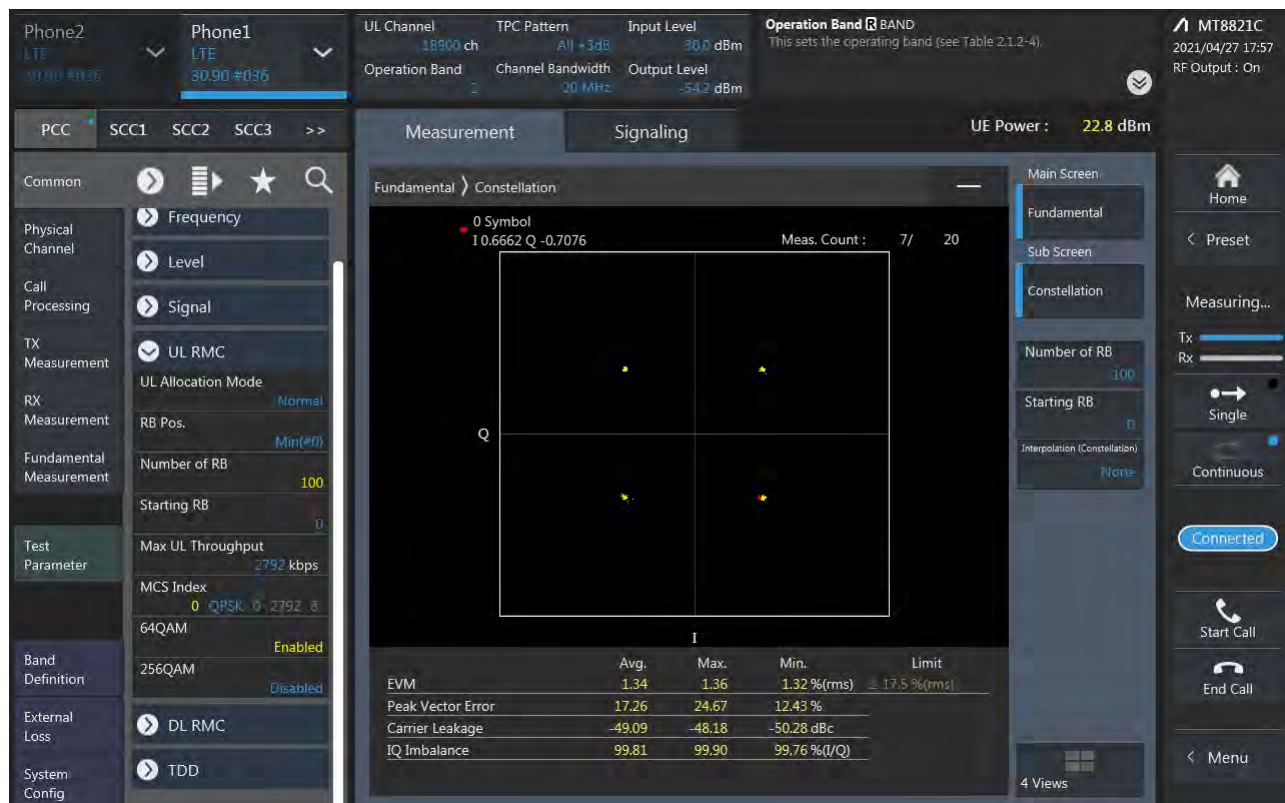
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

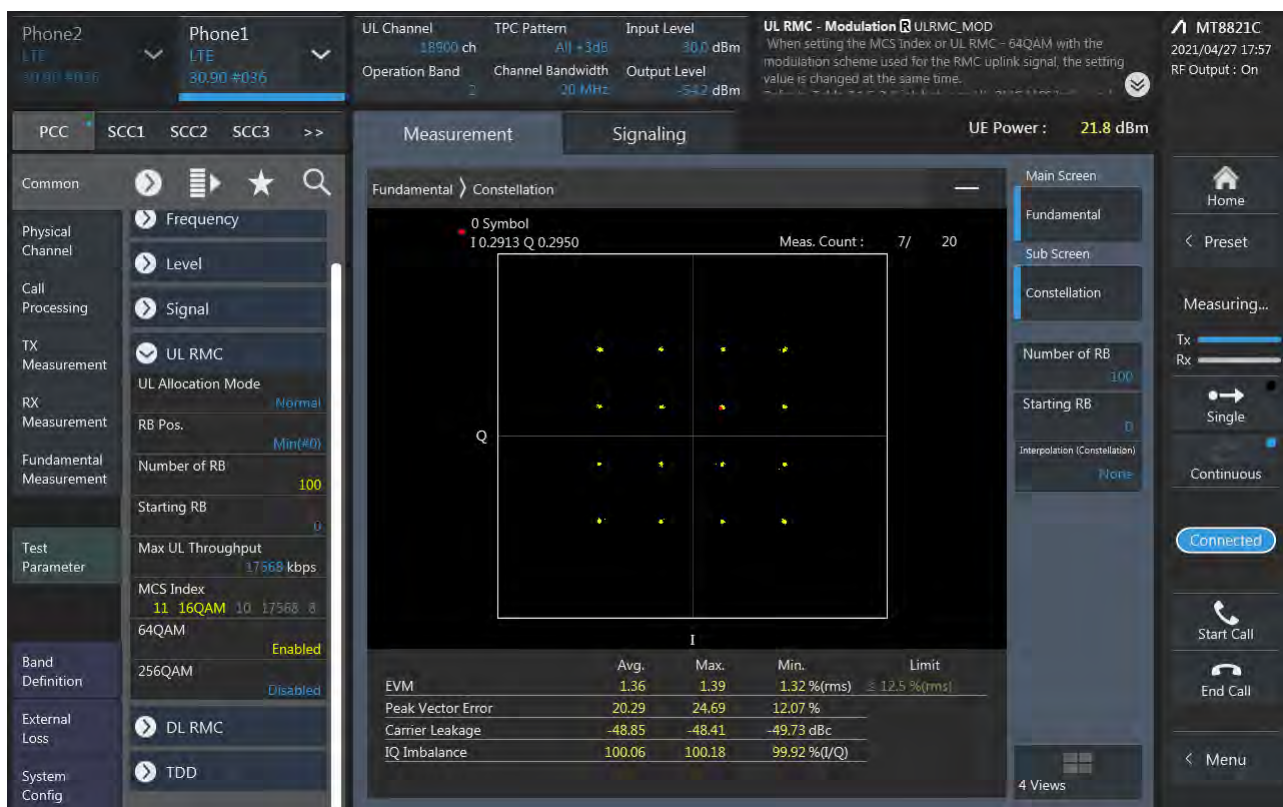
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH





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	1.091	1.284	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.091	1.287	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.091	1.287	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.091	1.284	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.088	1.284	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.088	1.284	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.691	2.988	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.697	3.000	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.691	2.988	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.685	2.970	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.685	2.982	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.685	2.976	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.476	4.920	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.476	4.940	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.466	4.940	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.476	4.950	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.476	4.950	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.486	4.950	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.931	9.720	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.931	9.700	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.911	9.740	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.911	9.820	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.911	9.780	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.911	9.740	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.427	14.700	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.427	14.760	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.457	14.760	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.427	14.700	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.427	14.790	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.427	14.700	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.822	19.320	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.862	19.400	PASS



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Band2	20MHz	QPSK	19100	100RB#0	17.862	19.440	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.862	19.400	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.822	19.400	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.862	19.440	PASS



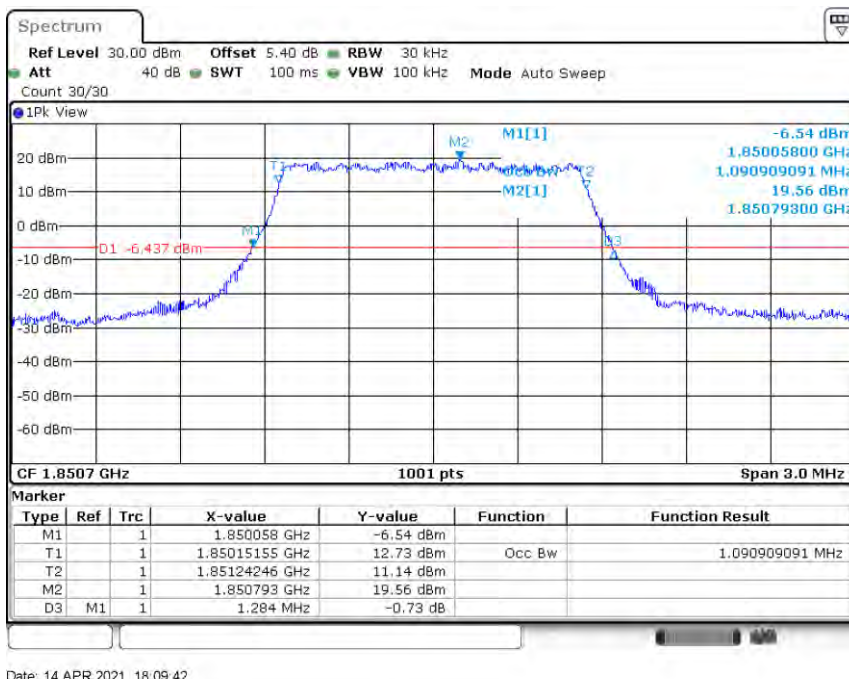
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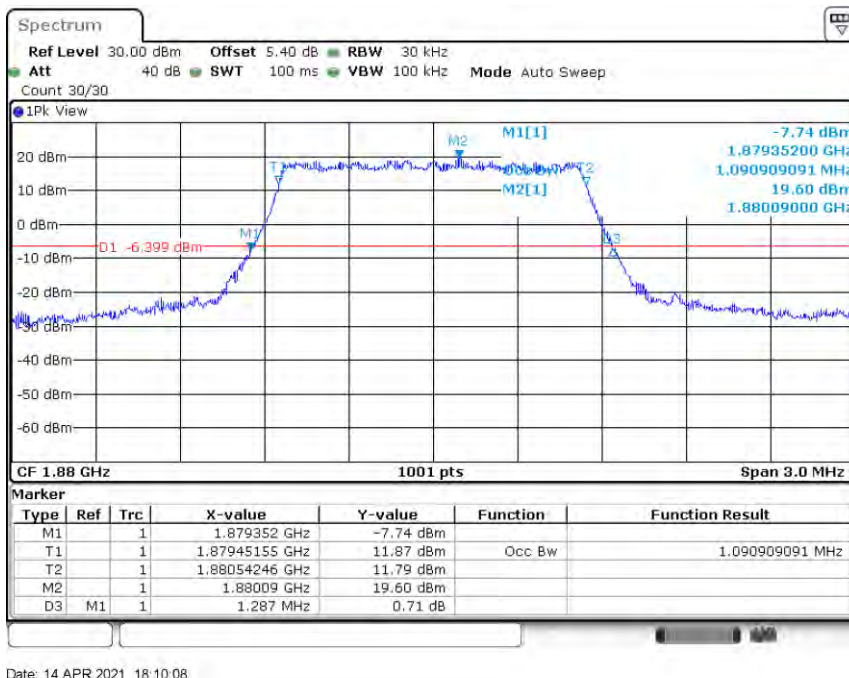


4.2. Test Plots

Band2-1.4MHz-QPSK-18607-6RB#0-1.091



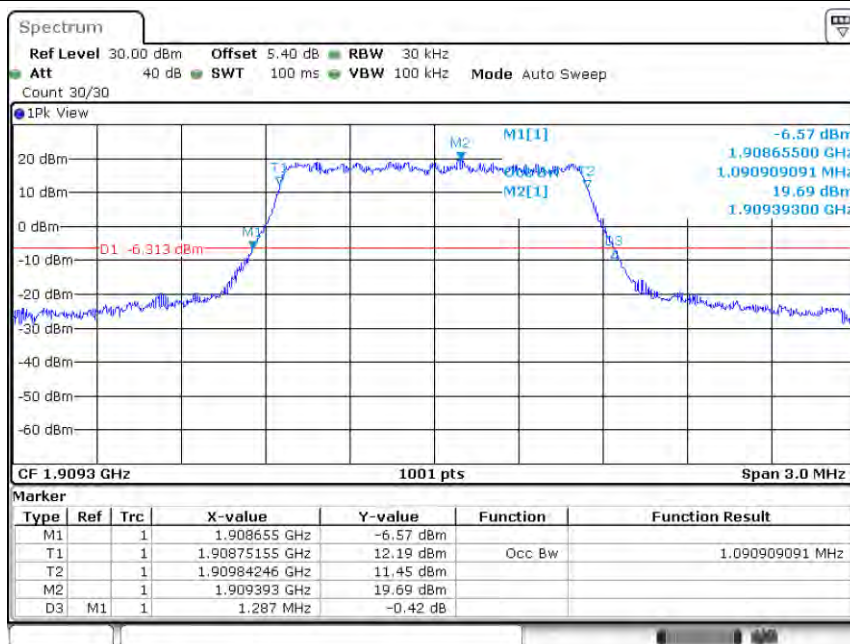
Band2-1.4MHz-QPSK-18900-6RB#0-1.091



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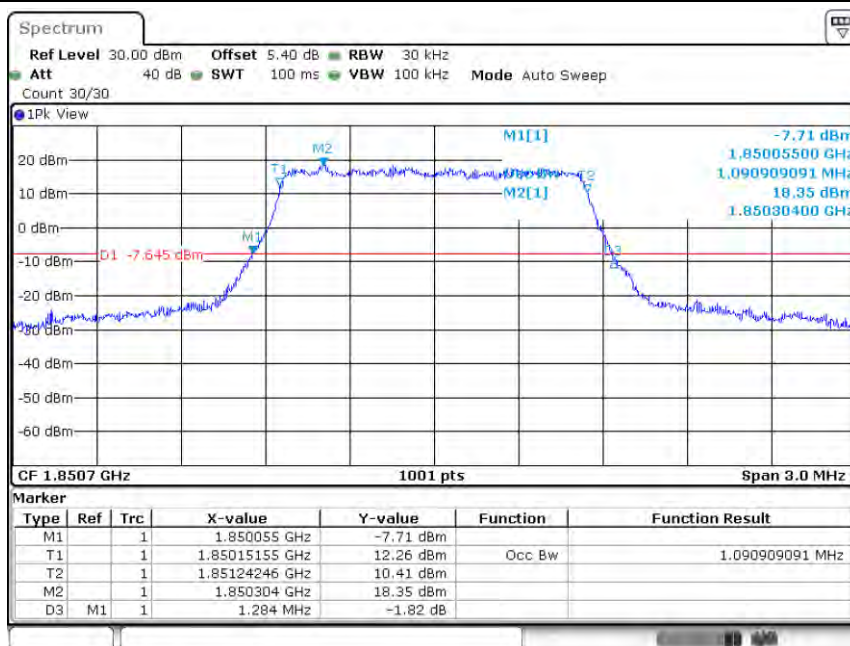
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Band2-1.4MHz-QPSK-19193-6RB#0-1.091



Date: 14 APR 2021 18:10:33

Band2-1.4MHz-16QAM-18607-6RB#0-1.091



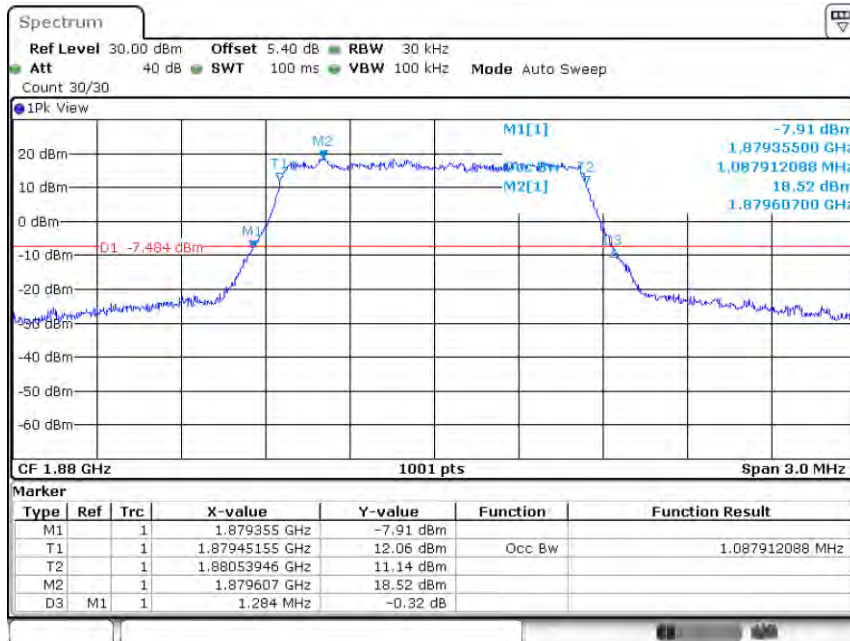
Date: 14 APR 2021 18:09:55



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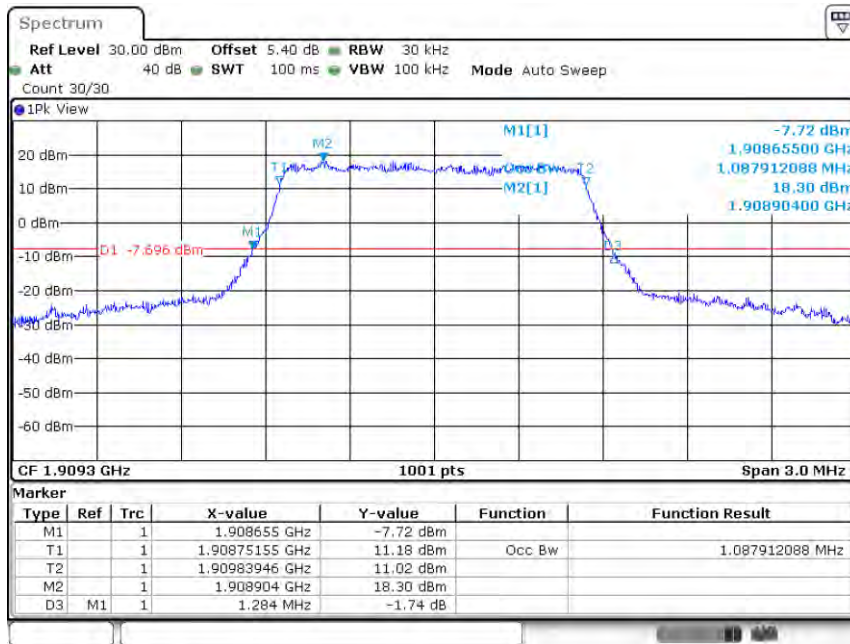
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Band2-1.4MHz-16QAM-18900-6RB#0-1.088



Date: 14.APR.2021 18:10:20

Band2-1.4MHz-16QAM-19193-6RB#0-1.088



Date: 14.APR.2021 18:10:46

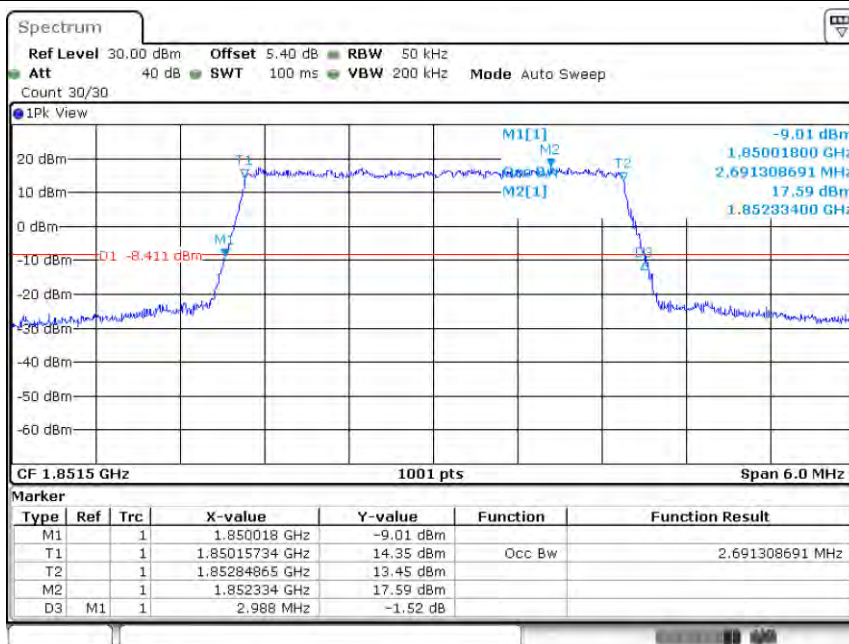


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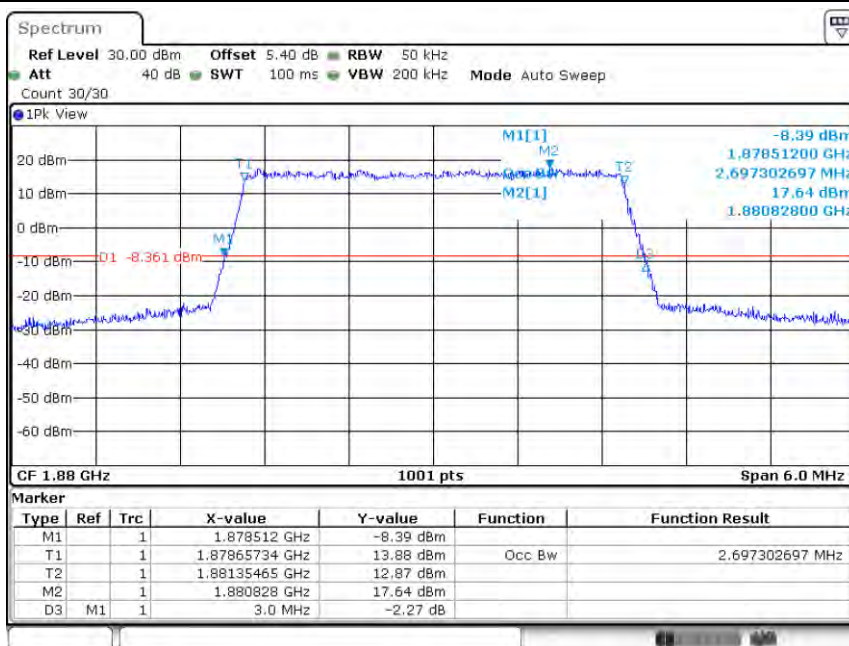


Band2-3MHz-QPSK-18615-15RB#0-2.691



Date: 14.APR.2021 18:11:04

Band2-3MHz-QPSK-18900-15RB#0-2.697



Date: 14.APR.2021 18:11:29

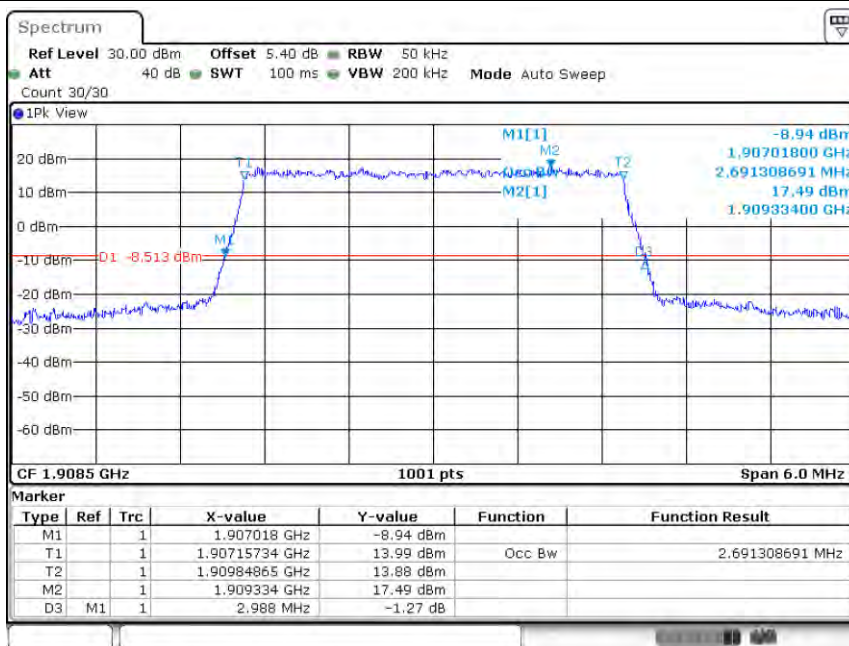


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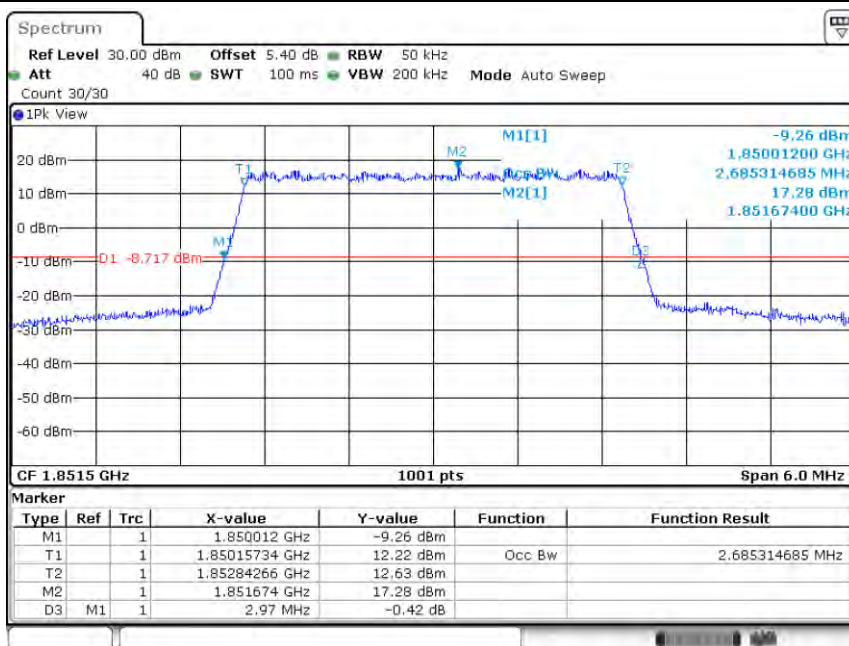


Band2-3MHz-QPSK-19185-15RB#0-2.691



Date: 14.APR.2021 18:11:55

Band2-3MHz-16QAM-18615-15RB#0-2.685



Date: 14.APR.2021 18:11:16

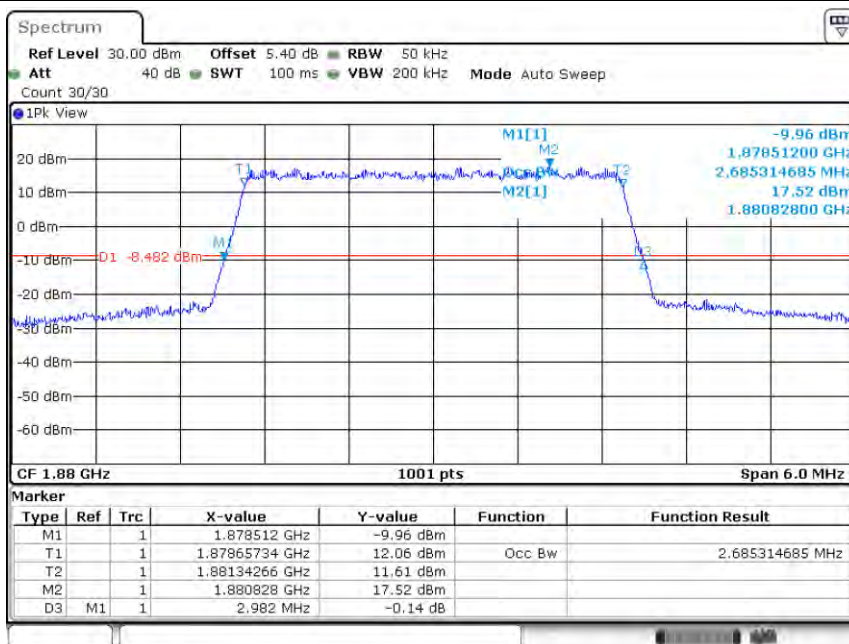


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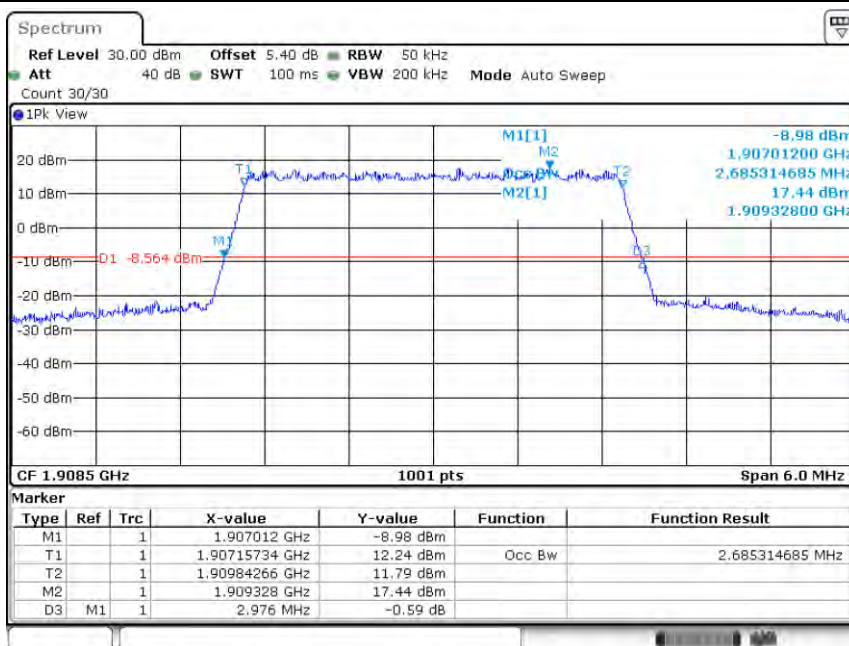


Band2-3MHz-16QAM-18900-15RB#0-2.685



Date: 14.APR.2021 18:11:42

Band2-3MHz-16QAM-19185-15RB#0-2.685



Date: 14.APR.2021 18:12:07

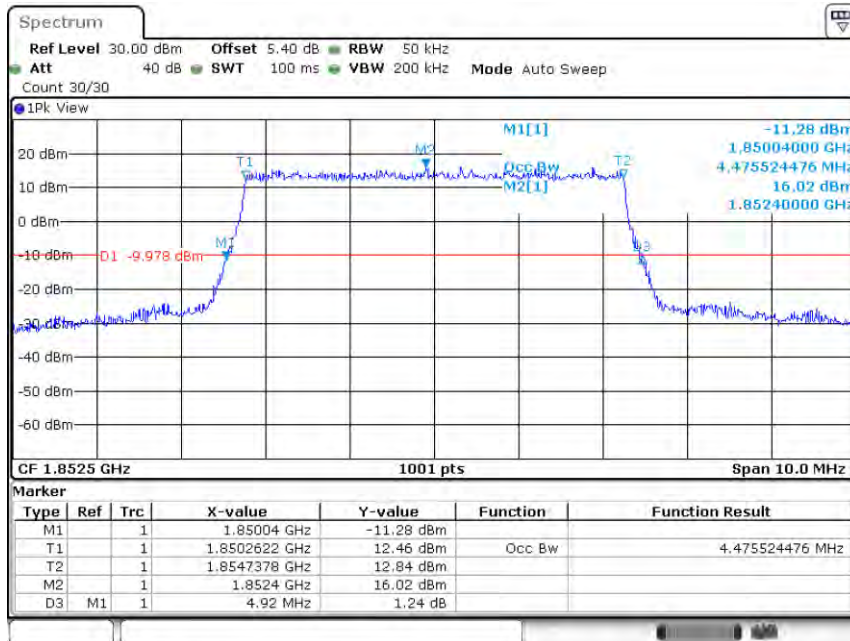


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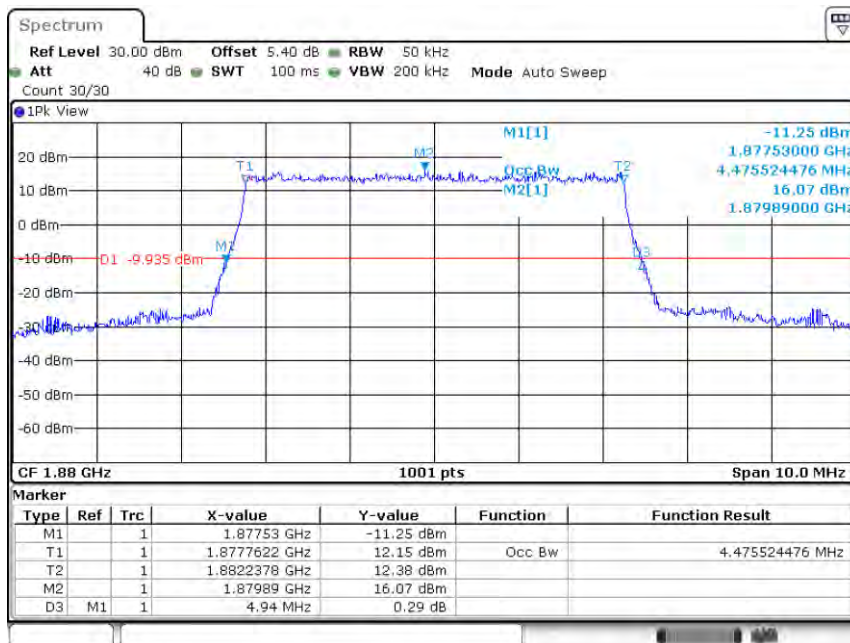


Band2-5MHz-QPSK-18625-25RB#0-4.476



Date: 14.APR.2021 18:12:25

Band2-5MHz-QPSK-18900-25RB#0-4.476



Date: 14.APR.2021 18:12:51

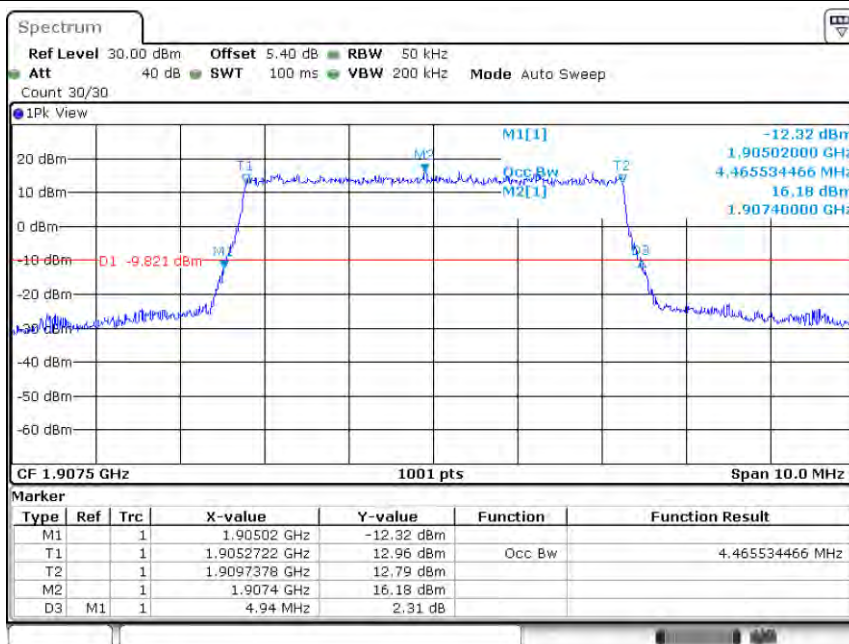


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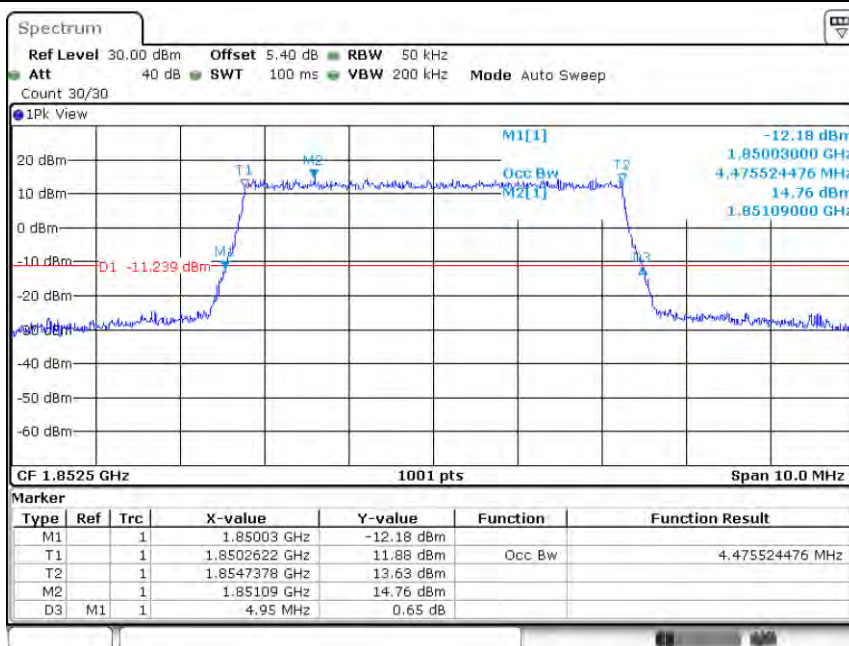


Band2-5MHz-QPSK-19175-25RB#0-4.466



Date: 14 APR 2021 18:13:16

Band2-5MHz-16QAM-18625-25RB#0-4.476

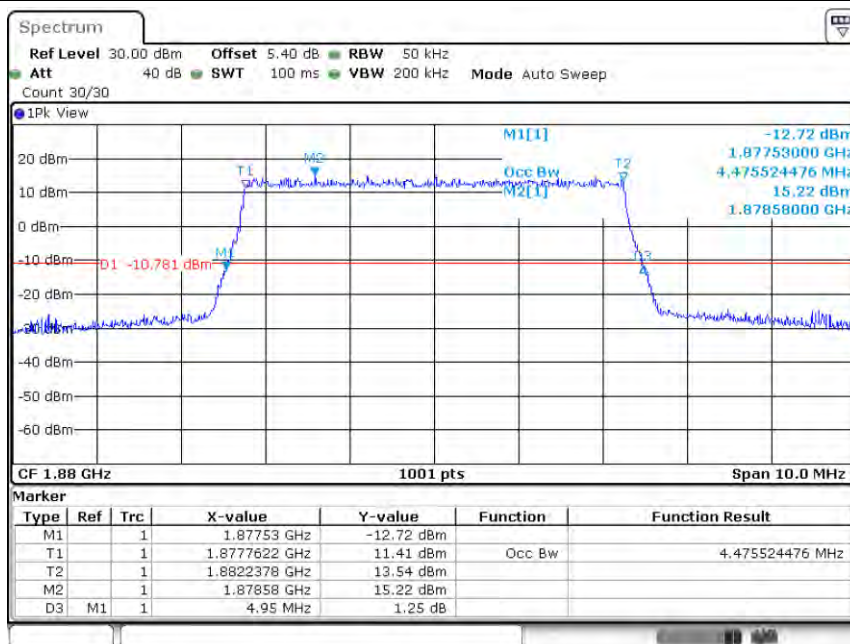


Date: 14 APR 2021 18:12:38



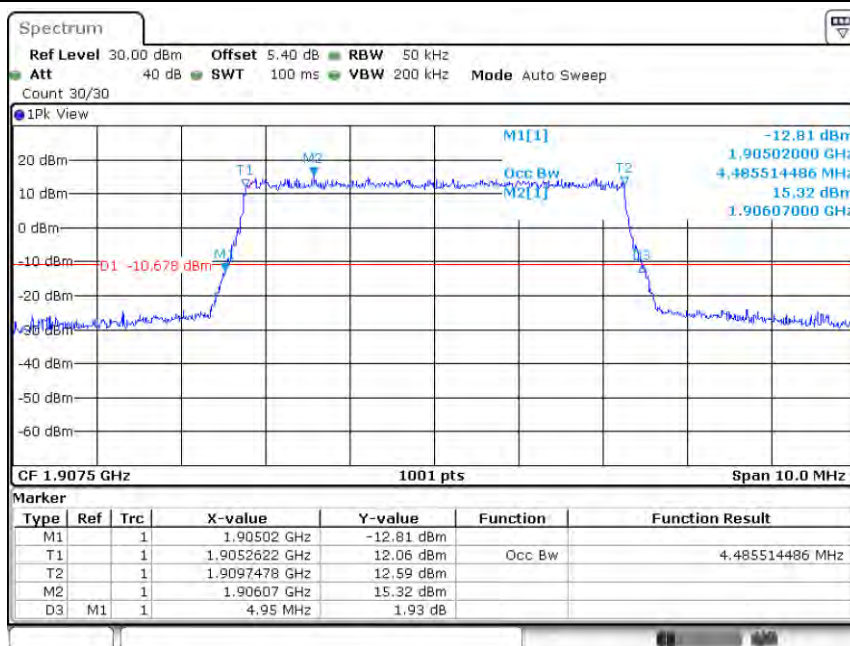


Band2-5MHz-16QAM-18900-25RB#0-4.476



Date: 14.APR.2021 18:13:03

Band2-5MHz-16QAM-19175-25RB#0-4.486



Date: 14.APR.2021 18:13:29



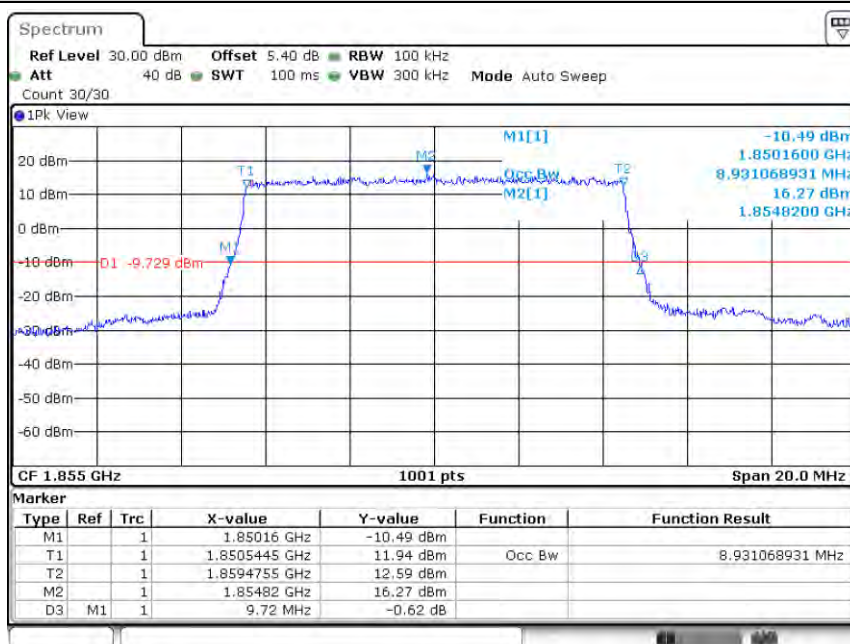
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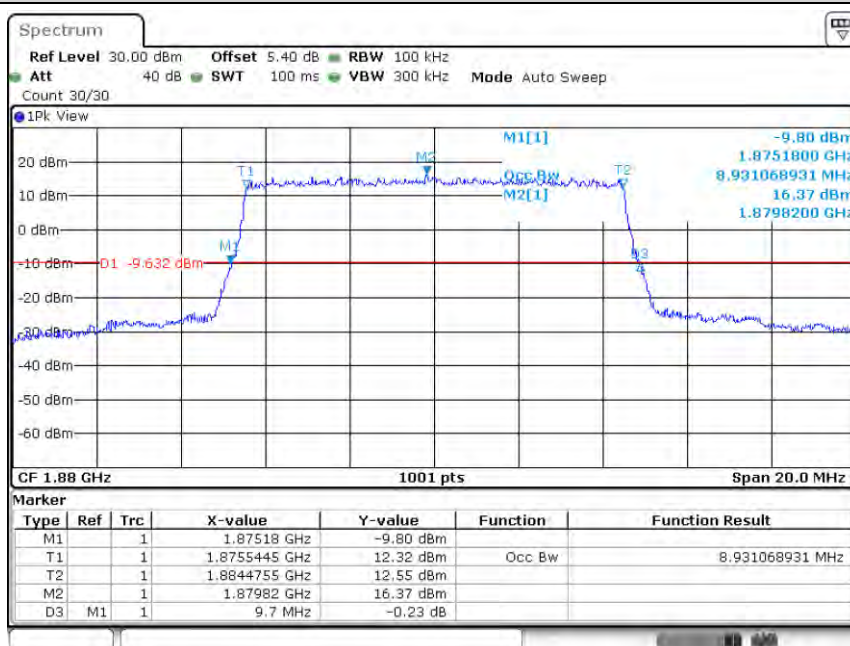


Band2-10MHz-QPSK-18650-50RB#0-8.931



Date: 14.APR.2021 18:13:46

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



Date: 14.APR.2021 18:14:12

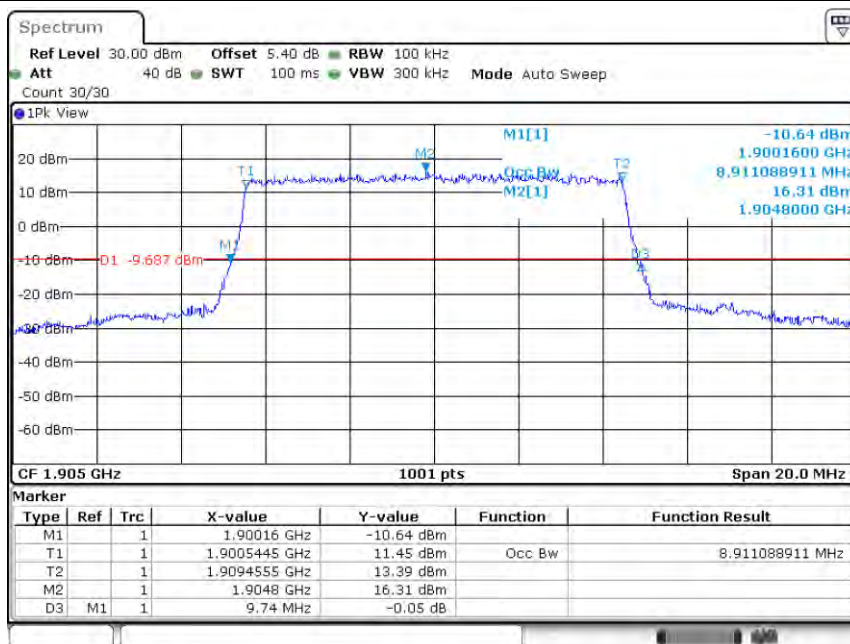


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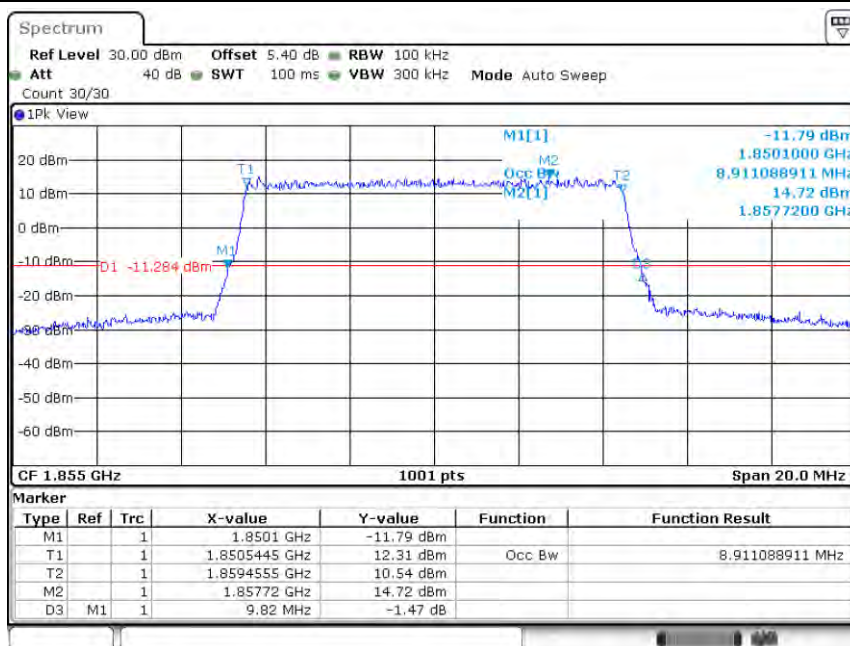


Band2-10MHz-QPSK-19150-50RB#0-8.911



Date: 14.APR.2021 18:14:37

Band2-10MHz-16QAM-18650-50RB#0-8.911

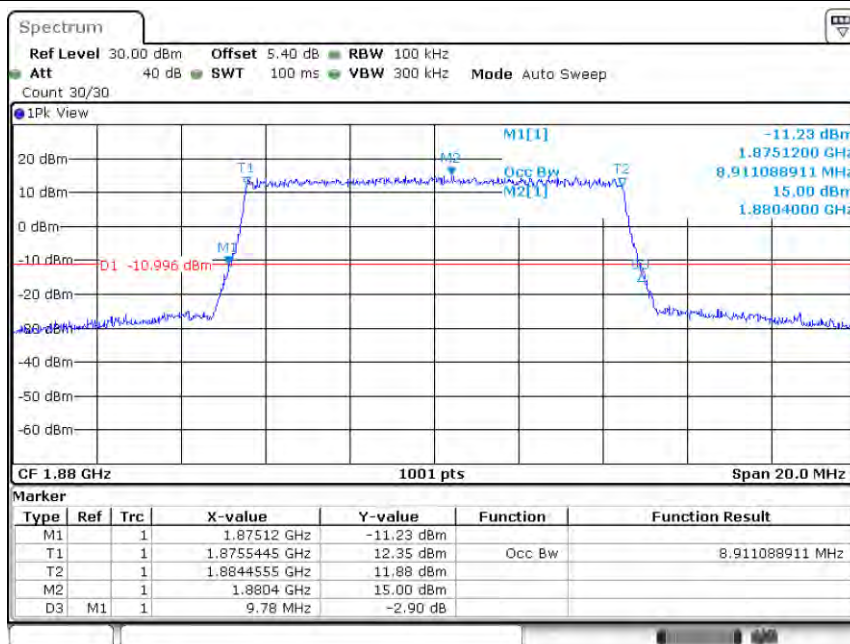


Date: 14.APR.2021 18:13:59



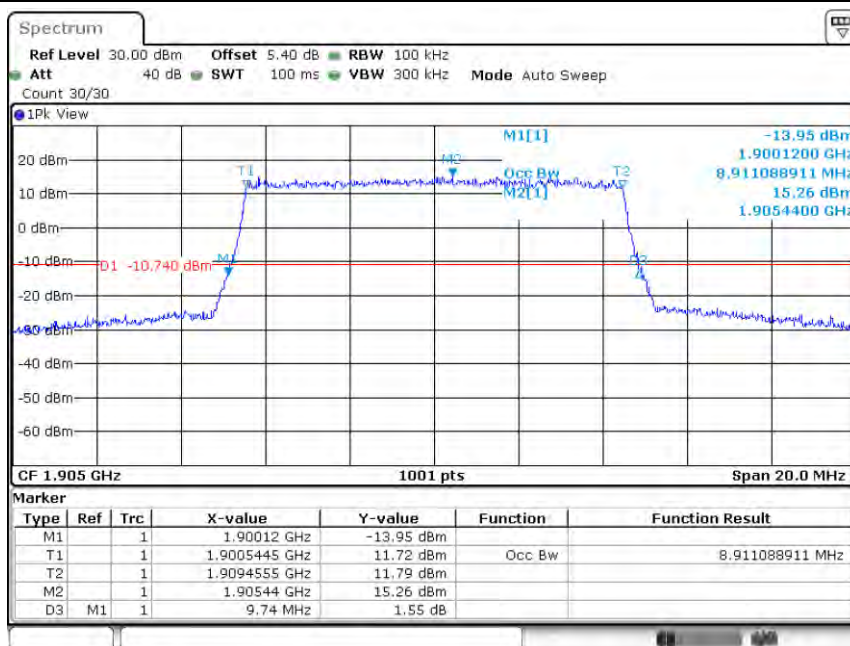


Band2-10MHz-16QAM-18900-50RB#0-8.911



Date: 14.APR.2021 18:14:24

Band2-10MHz-16QAM-19150-50RB#0-8.911



Date: 14.APR.2021 18:14:50

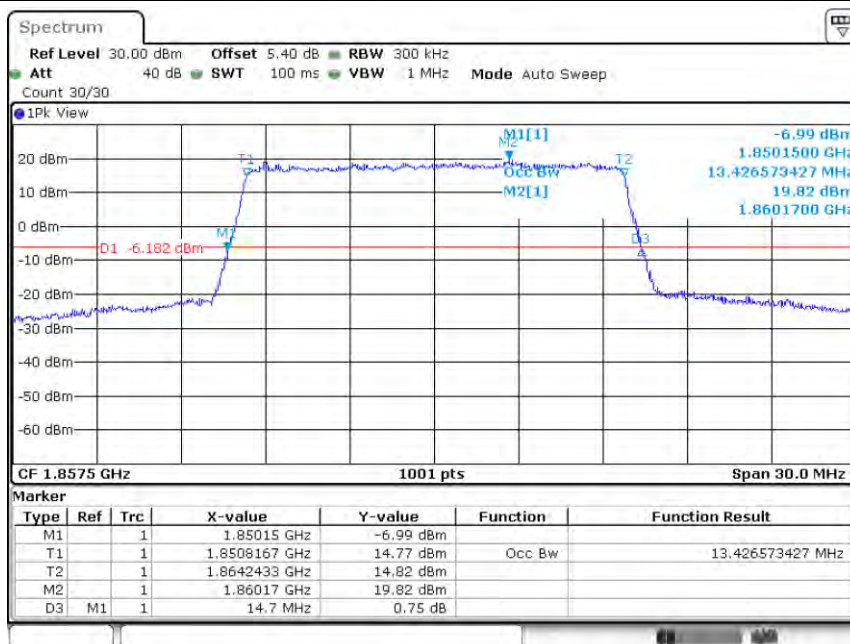


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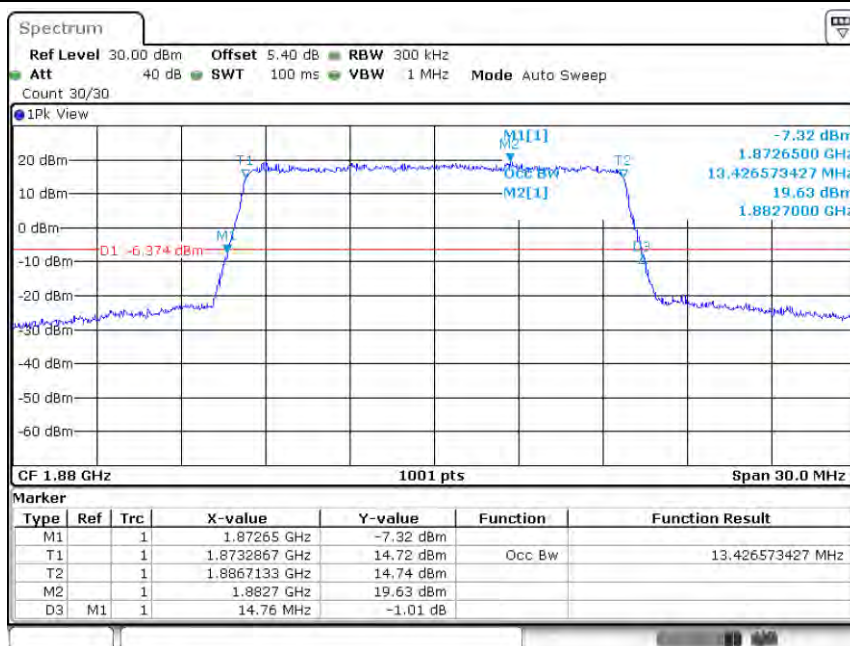


Band2-15MHz-QPSK-18675-75RB#0-13.427



Date: 14 APR 2021 18:15:08

Band2-15MHz-QPSK-18900-75RB#0-13.427



Date: 14 APR 2021 18:15:33

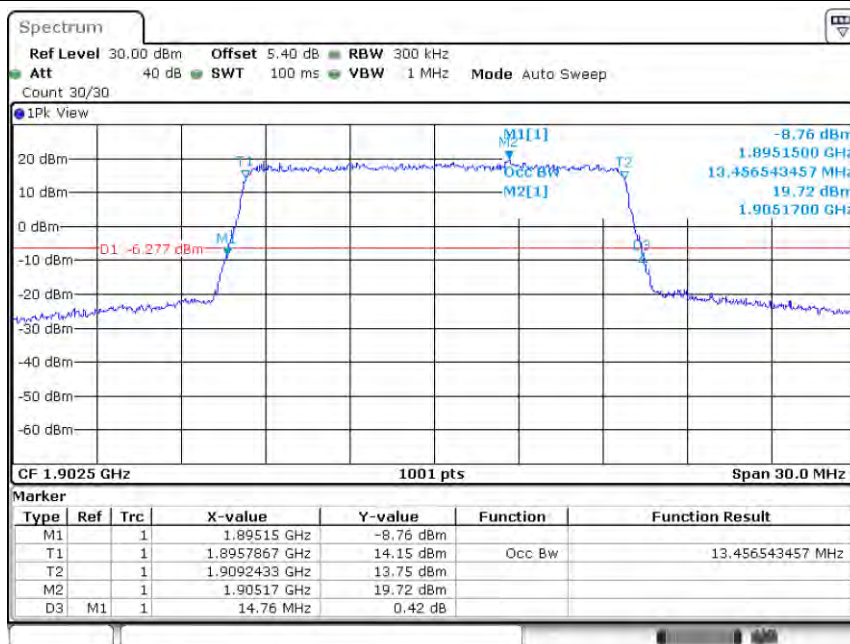


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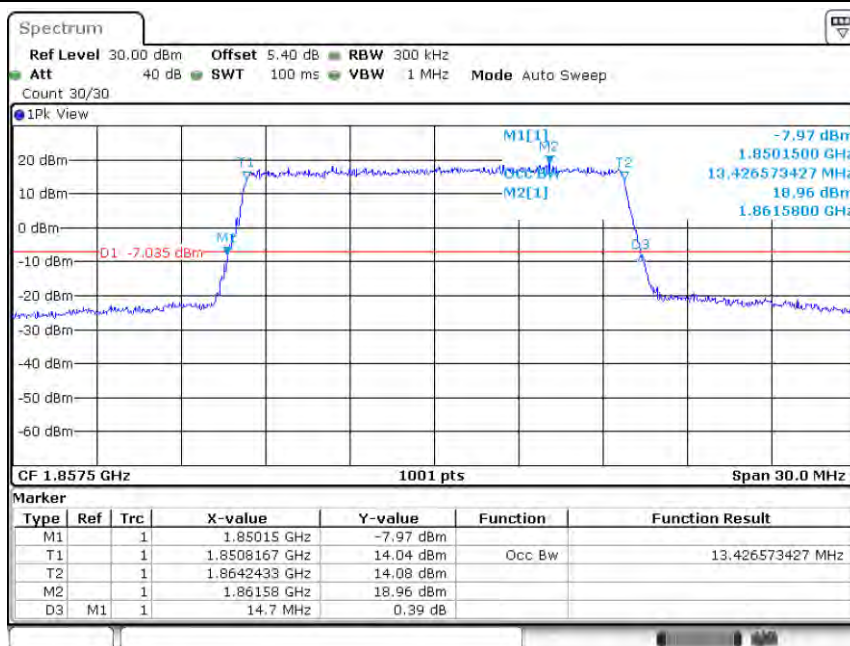


Band2-15MHz-QPSK-19125-75RB#0-13.457



Date: 14.APR.2021 18:15:59

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



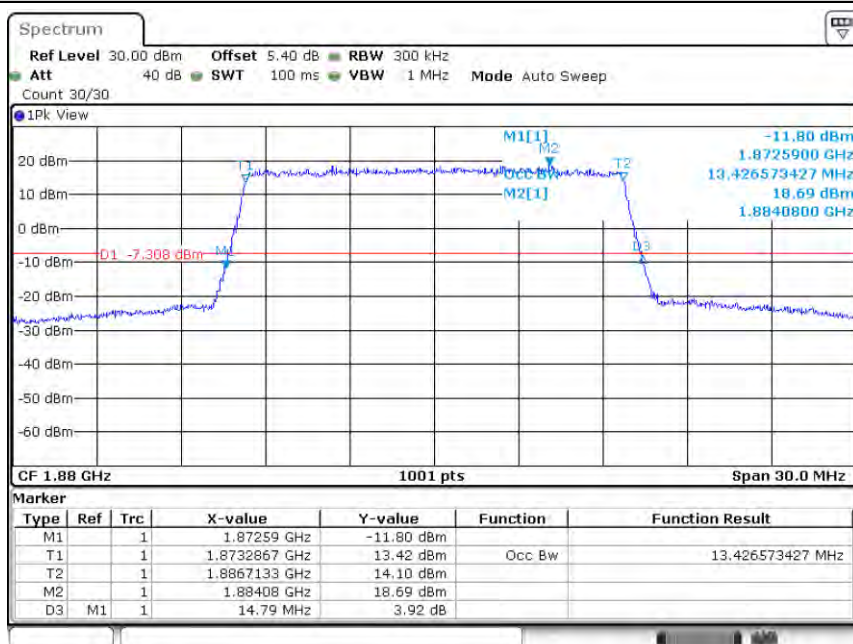
Date: 14.APR.2021 18:15:20



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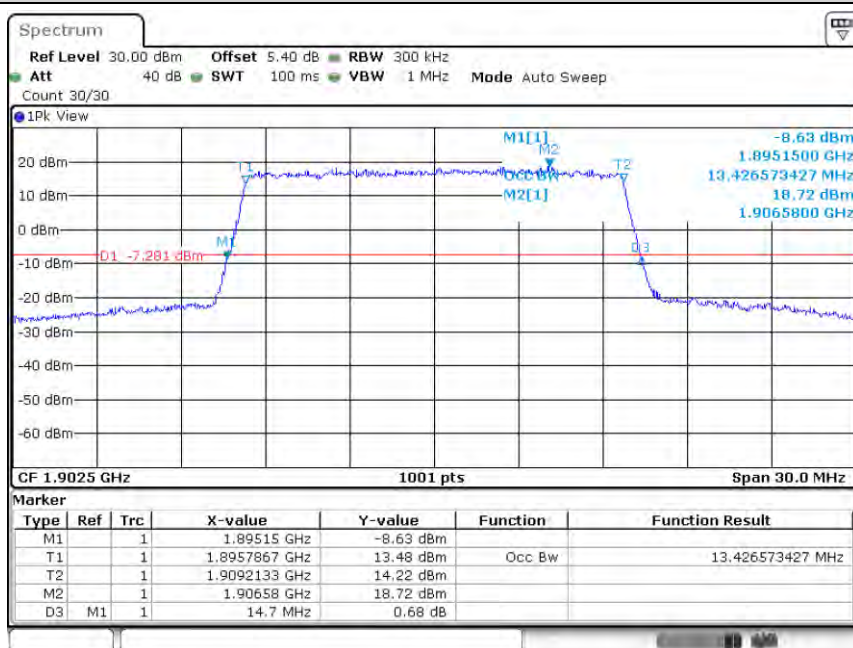
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Band2-15MHz-16QAM-18900-75RB#0-13.427



Date: 14 APR 2021 18:15:46

Band2-15MHz-16QAM-19125-75RB#0-13.427

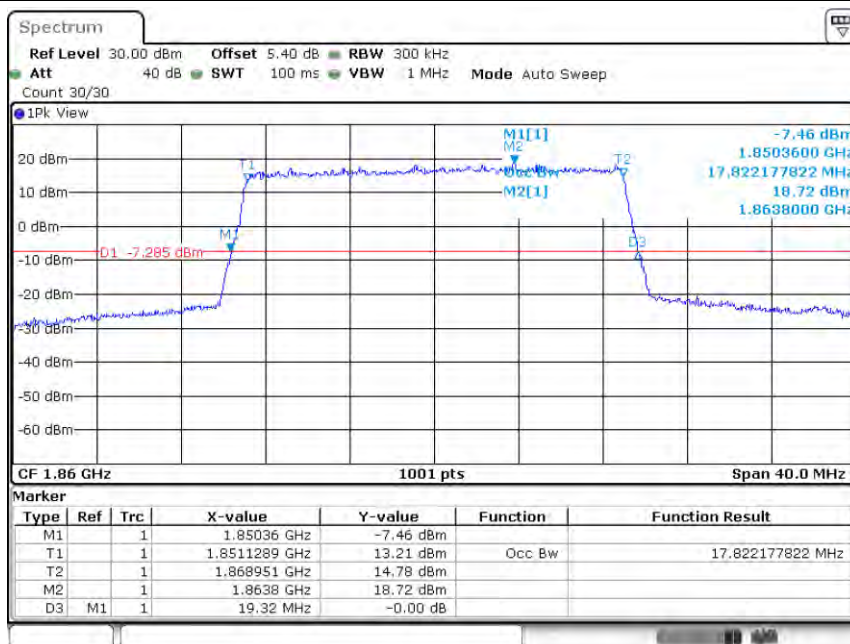


Date: 14 APR 2021 18:16:11



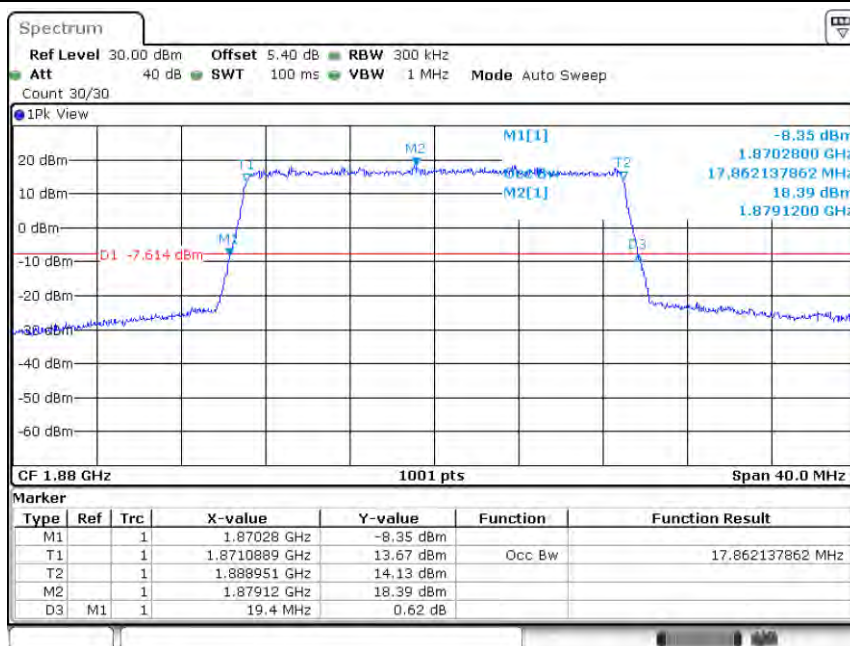


Band2-20MHz-QPSK-18700-100RB#0-17.822



Date: 14.APR.2021 18:16:29

Band2-20MHz-QPSK-18900-100RB#0-17.862



Date: 14.APR.2021 18:16:55

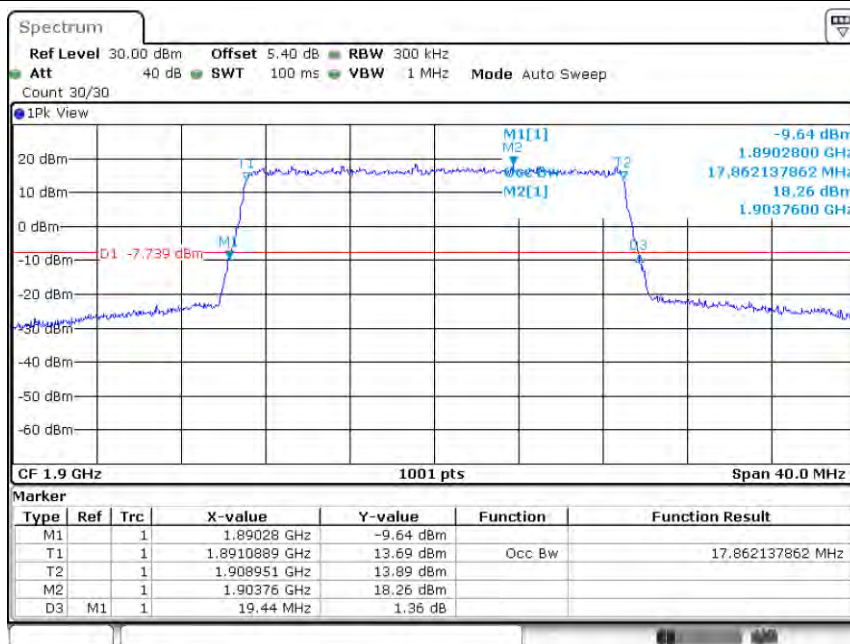


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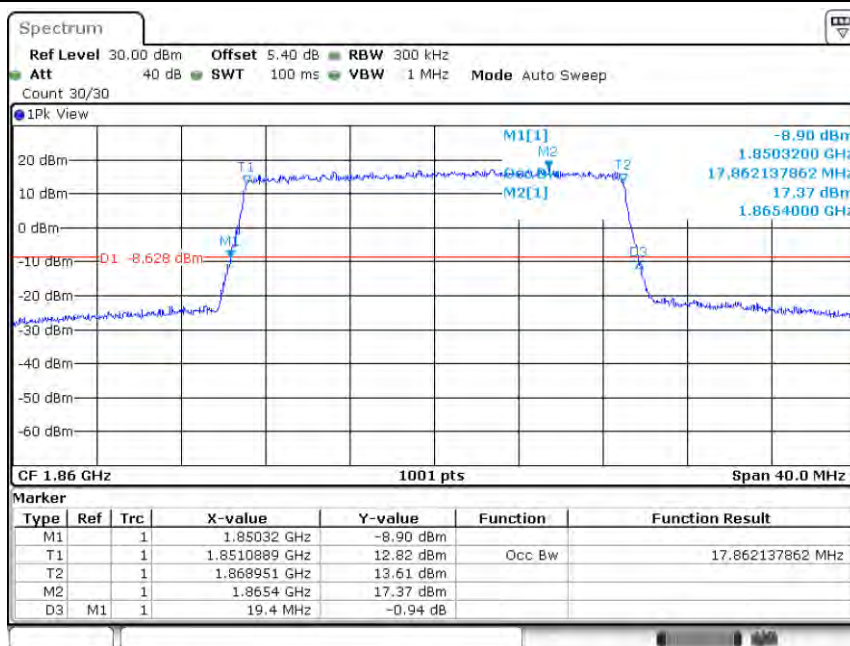


Band2-20MHz-QPSK-19100-100RB#0-17.862



Date: 14.APR.2021 18:17:20

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

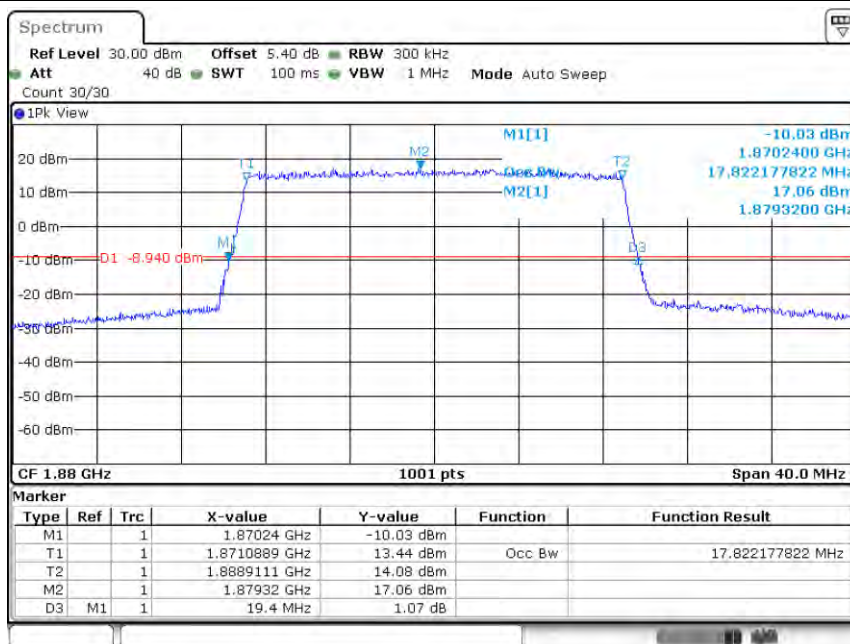


Date: 14.APR.2021 18:16:42



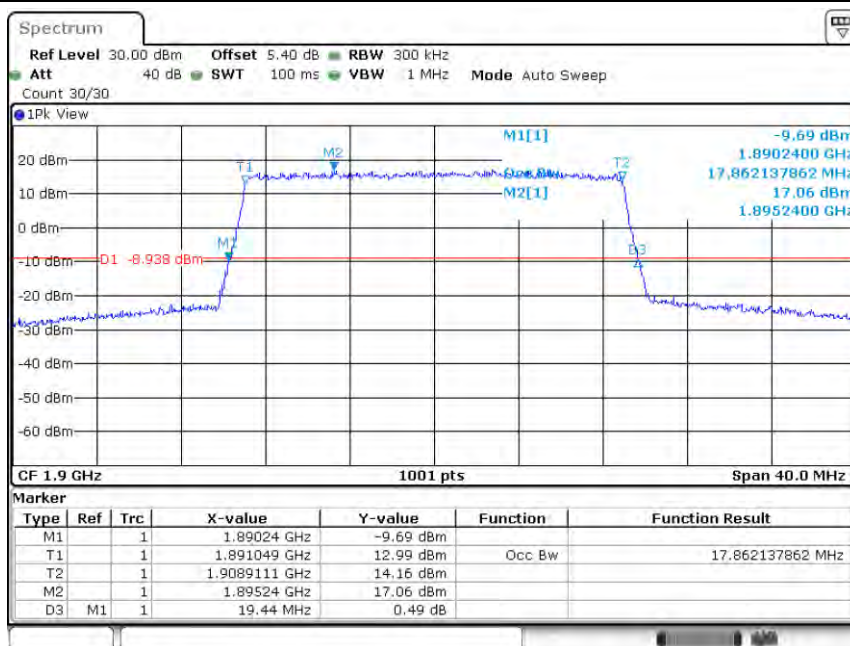


Band2-20MHz-16QAM-18900-100RB#0-17.822



Date: 14.APR.2021 18:17:07

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



Date: 14.APR.2021 18:17:33



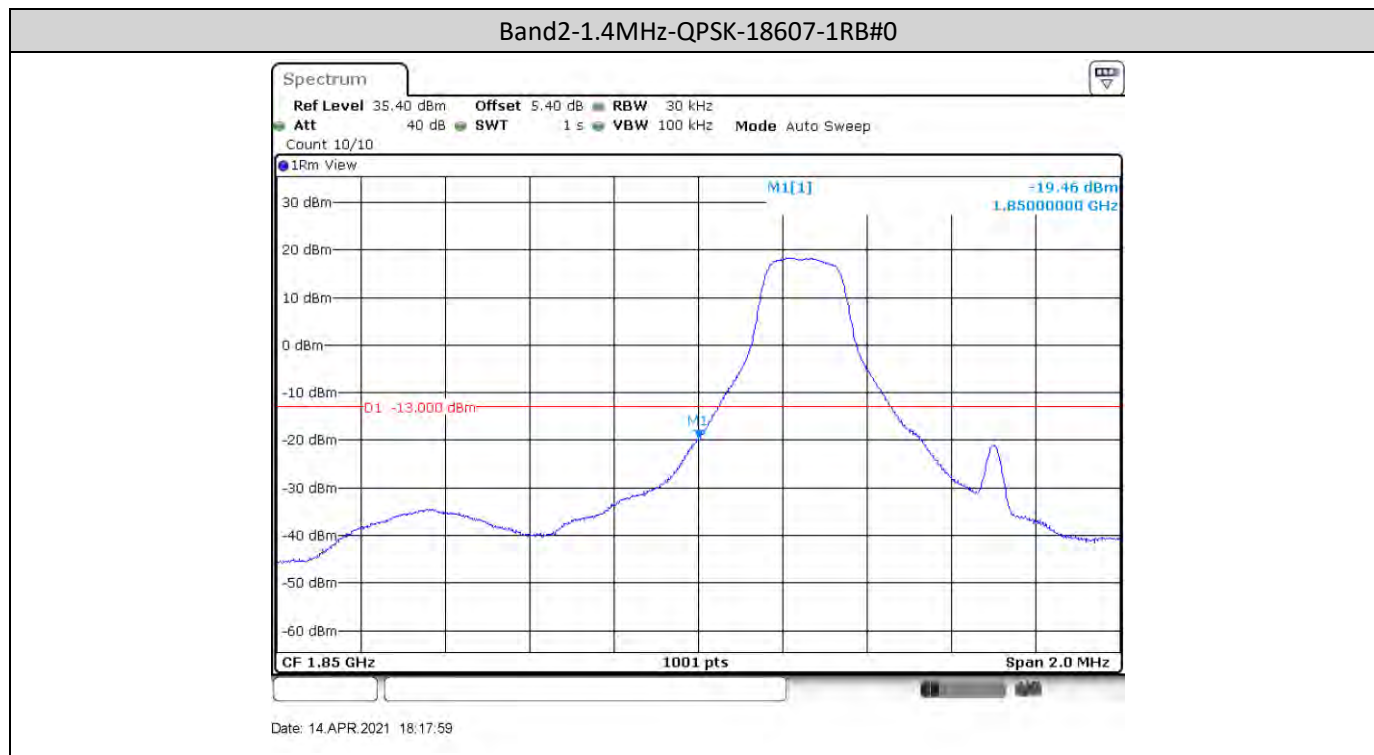
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5. Band Edge Compliance

5.1. Test Plots





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



Date: 14 APR 2021 18:20:52

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



Date: 14 APR 2021 18:19:25



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



Date: 14.APR.2021 18:21:33

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



Date: 14.APR.2021 18:18:20





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



Date: 14.APR.2021 18:21:13

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



Date: 14.APR.2021 18:19:46



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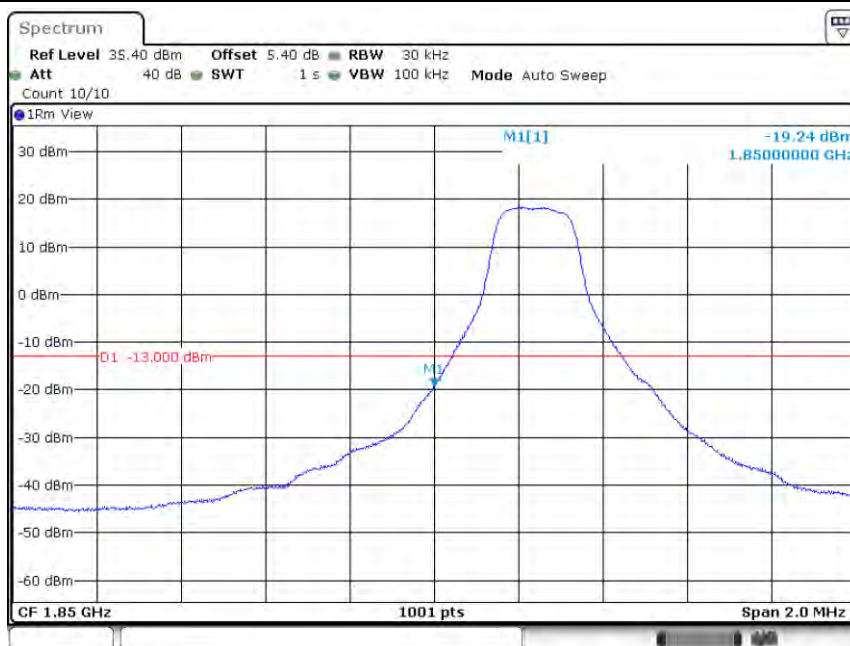


Band2-1.4MHz-16QAM-19193-6RB#0



Date: 14.APR.2021 18:21:54

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



Date: 14.APR.2021 18:22:20



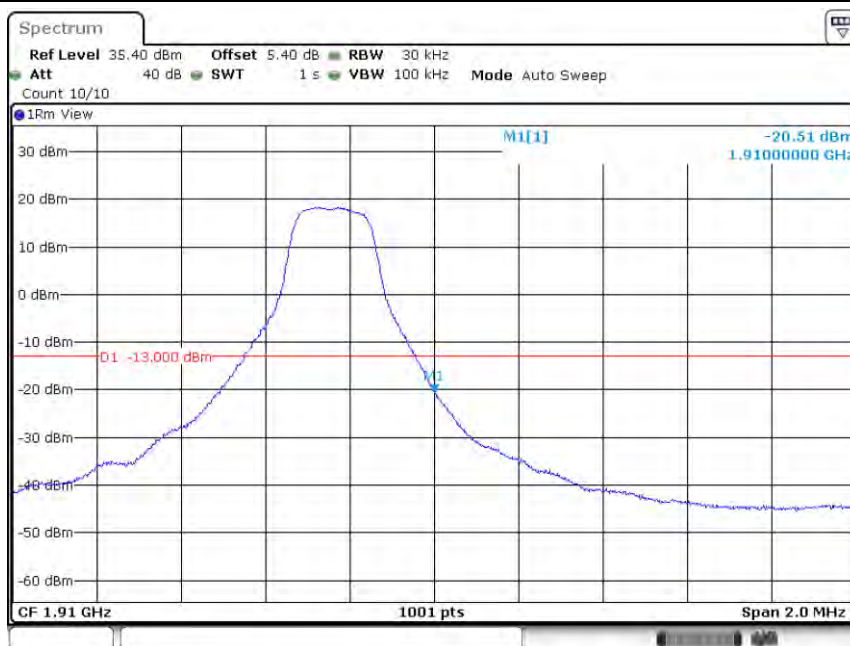


Band2-3MHz-QPSK-18615-15RB#0



Date: 14.APR.2021 18:25:14

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



Date: 14.APR.2021 18:23:47



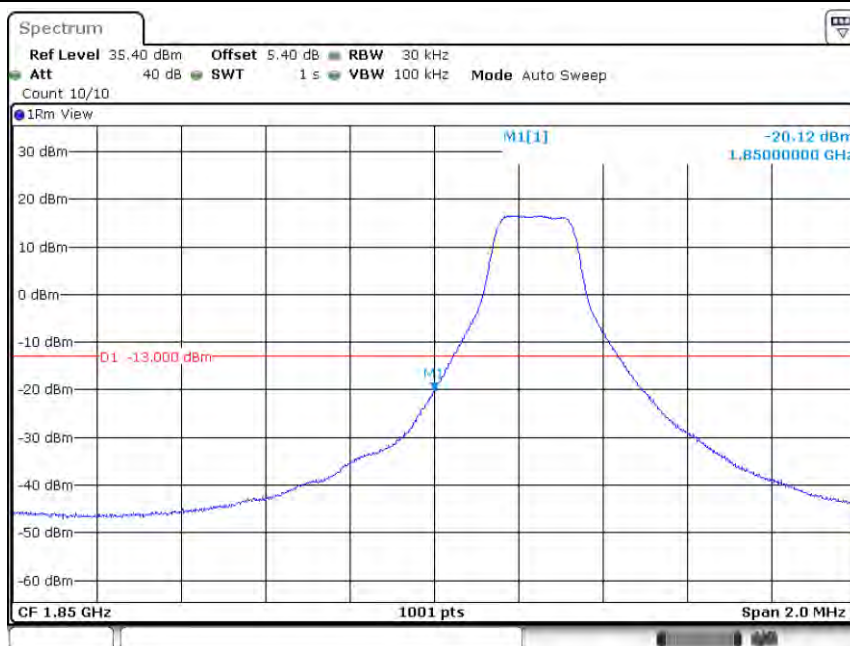


Band2-3MHz-QPSK-19185-15RB#0



Date: 14.APR.2021 18:25:55

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



Date: 14.APR.2021 18:22:41



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



Date: 14.APR.2021 18:25:34

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



Date: 14.APR.2021 18:24:07



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



Date: 14 APR 2021 18:26:15

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



Date: 14 APR 2021 18:26:41





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



Date: 14 APR 2021 18:29:35

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



Date: 14 APR 2021 18:28:08



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



Date: 14.APR.2021 18:30:16

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



Date: 14.APR.2021 18:27:01



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



Date: 14.APR.2021 18:29:55

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



Date: 14.APR.2021 18:28:28





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



Date: 14.APR.2021 18:30:36

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



Date: 14.APR.2021 18:31:02

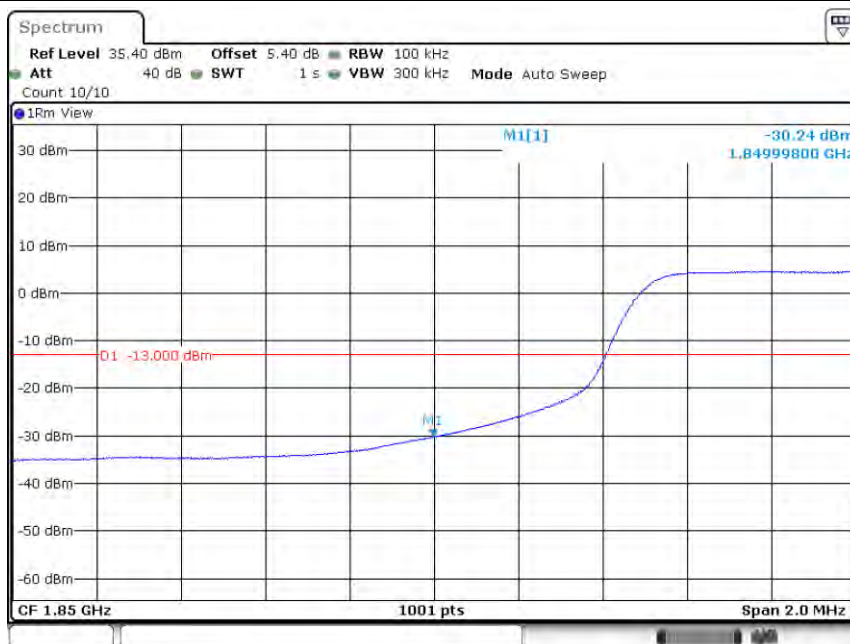


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Band2-10MHz-QPSK-18650-50RB#0



Date: 14.APR.2021 18:33:55

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



Date: 14.APR.2021 18:32:28



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



Date: 14.APR.2021 18:34:36

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

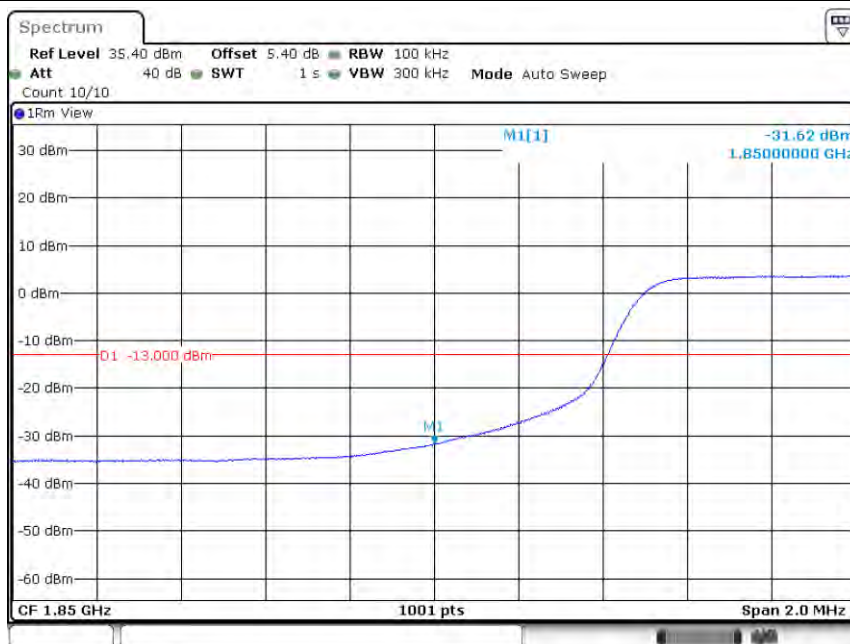


Date: 14.APR.2021 18:31:22





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



Date: 14.APR.2021 18:34:16

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



Date: 14.APR.2021 18:32:49

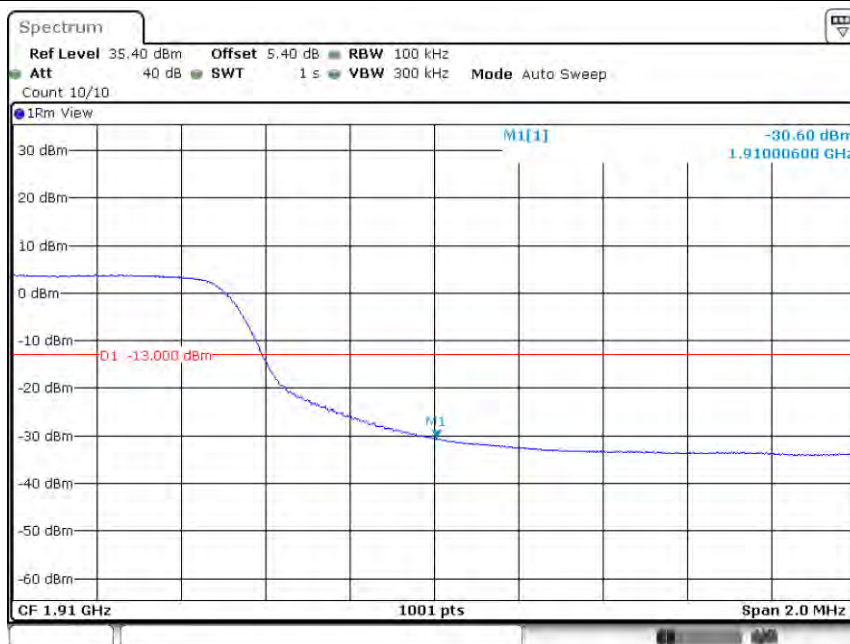


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Band2-10MHz-16QAM-19150-50RB#0



Date: 14.APR.2021 18:34:57

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



Date: 14.APR.2021 18:35:23



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Shenzhen Branch Inspection & Testing Services Laboratory

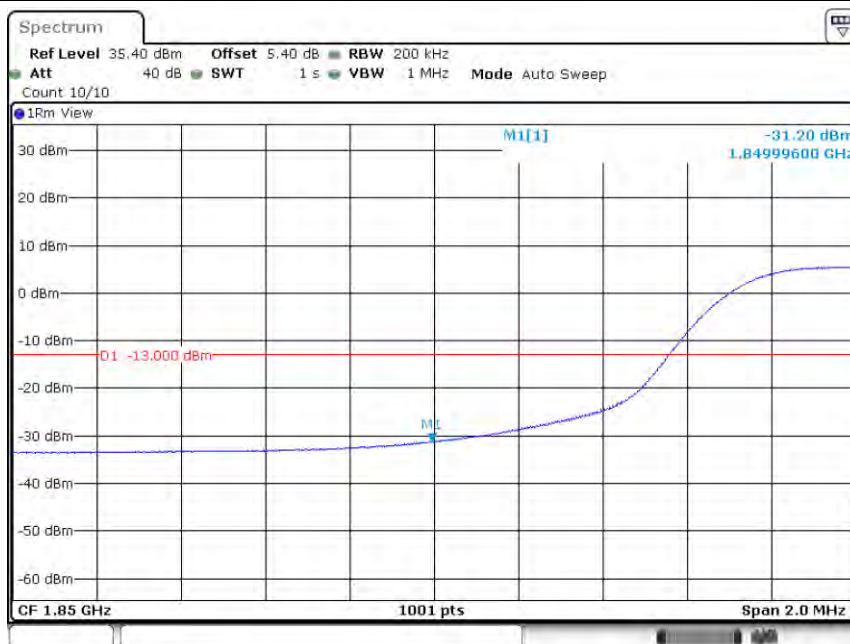
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Band2-15MHz-QPSK-18675-75RB#0



Date: 14.APR.2021 18:38:16

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



Date: 14.APR.2021 18:36:49



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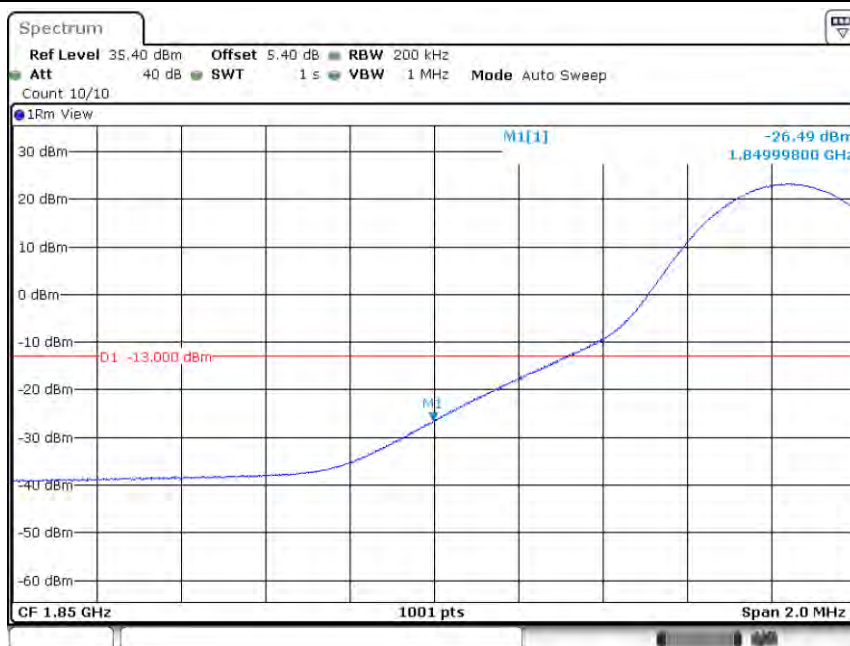


Band2-15MHz-QPSK-19125-75RB#0



Date: 14 APR 2021 18:38:57

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

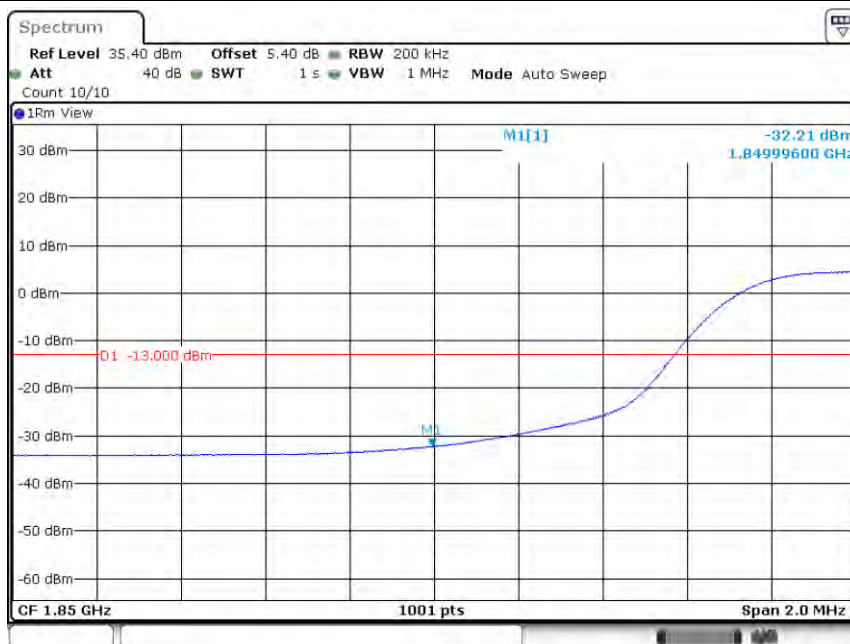


Date: 14 APR 2021 18:35:43





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



Date: 14.APR.2021 18:38:36

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

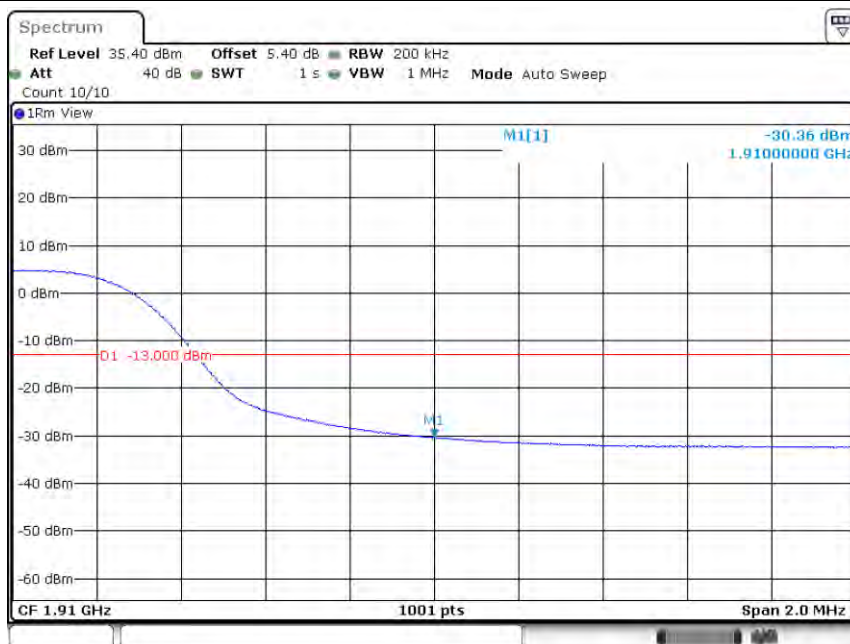


Date: 14.APR.2021 18:37:10



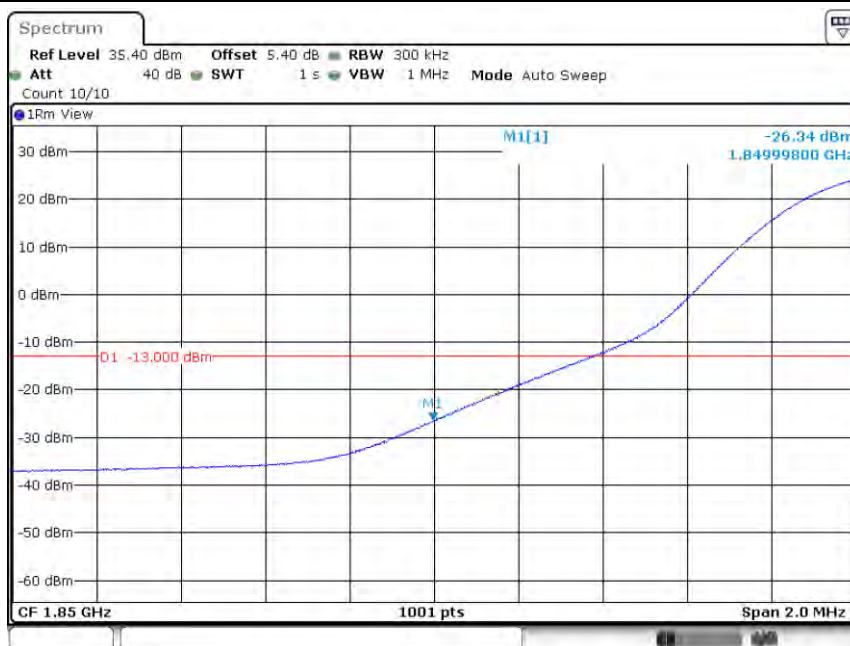


Band2-15MHz-16QAM-19125-75RB#0



Date: 14.APR.2021 18:39:18

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

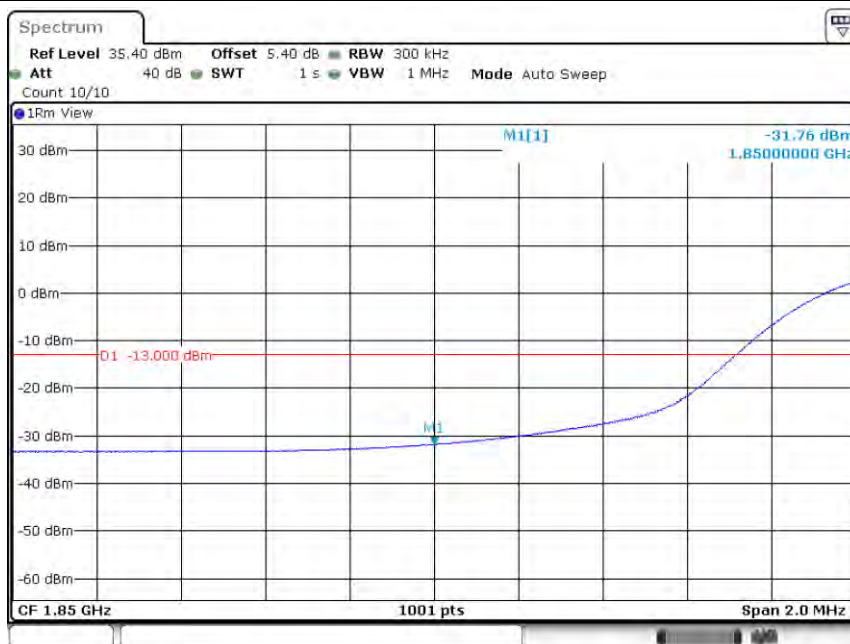


Date: 14.APR.2021 18:39:43



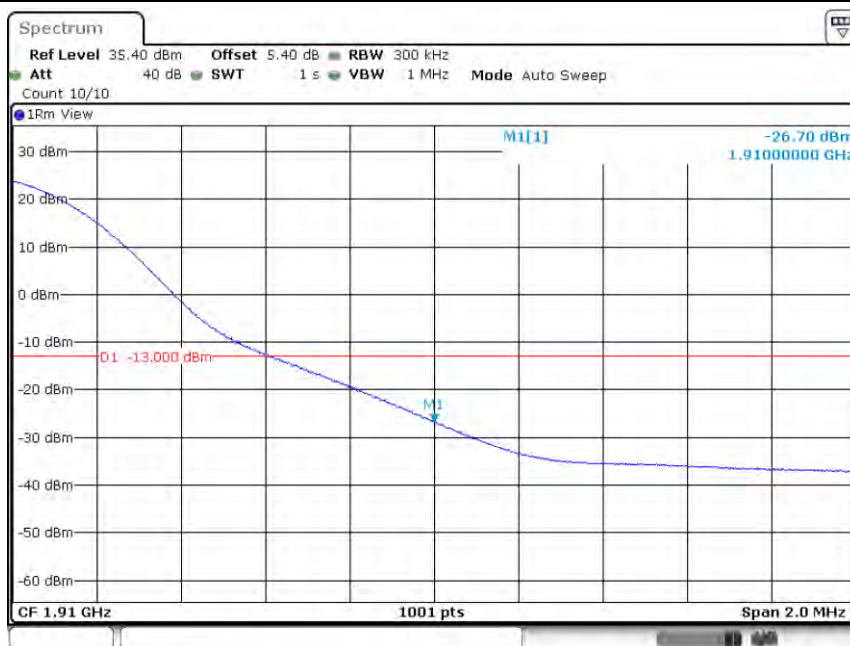


Band2-20MHz-QPSK-18700-100RB#0



Date: 14.APR.2021 18:42:42

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



Date: 14.APR.2021 18:41:15



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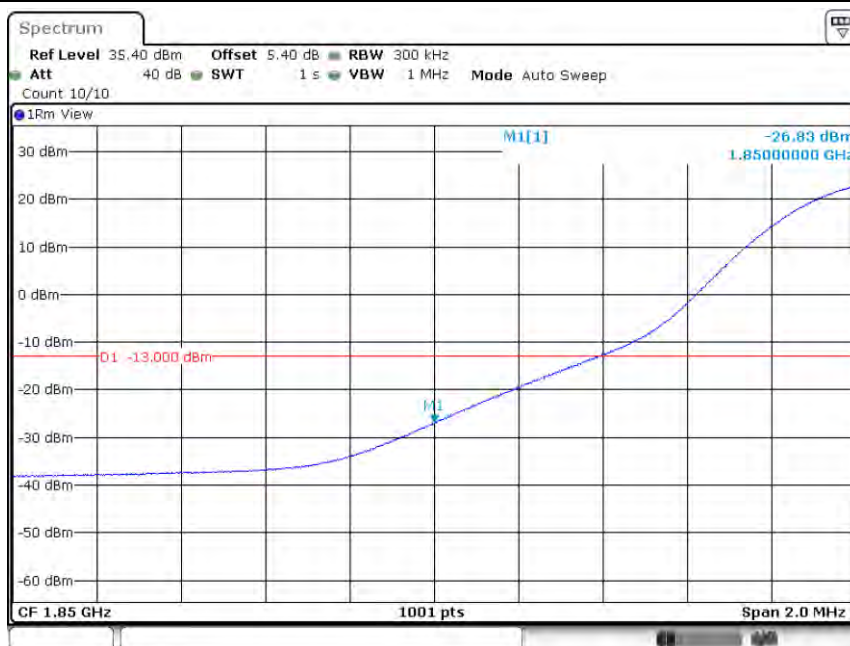


Band2-20MHz-QPSK-19100-100RB#0



Date: 14 APR 2021 18:43:23

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



Date: 14 APR 2021 18:40:04

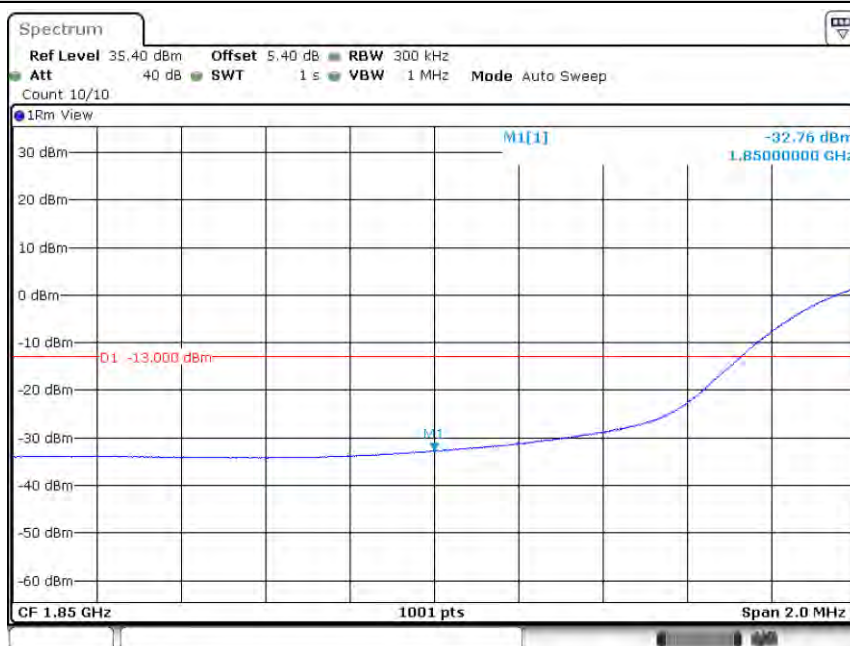


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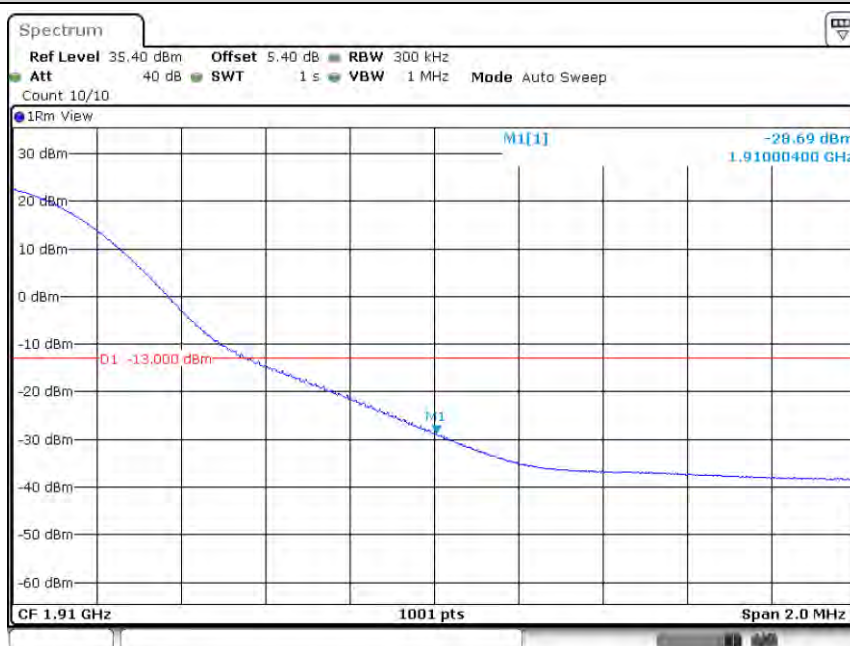


Band2-20MHz-16QAM-18700-100RB#0



Date: 14 APR 2021 18:43:02

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



Date: 14 APR 2021 18:41:36

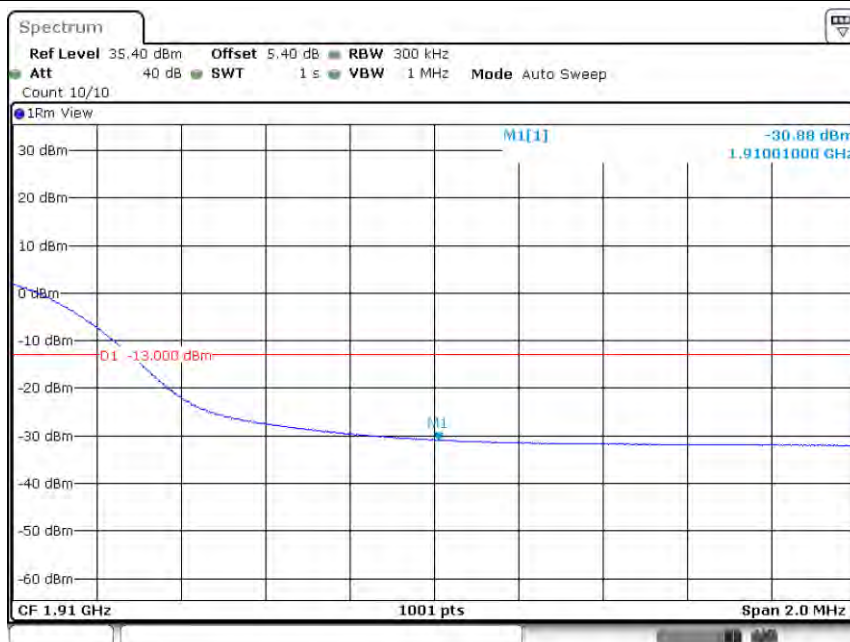


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Band2-20MHz-16QAM-19100-100RB#0



Date: 14 APR 2021 18:43:44



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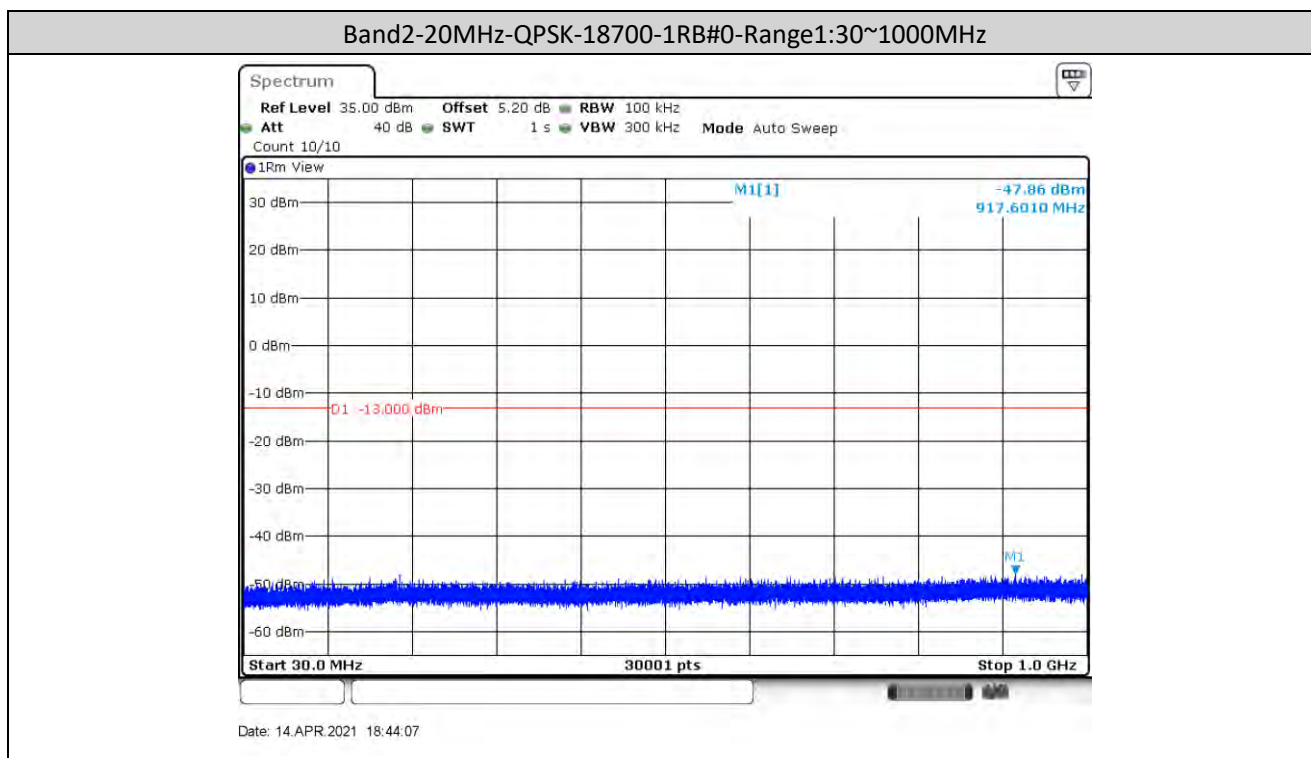
6. Spurious Emission at Antenna Terminal

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 = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: 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.

Remark3: 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 had been displayed.

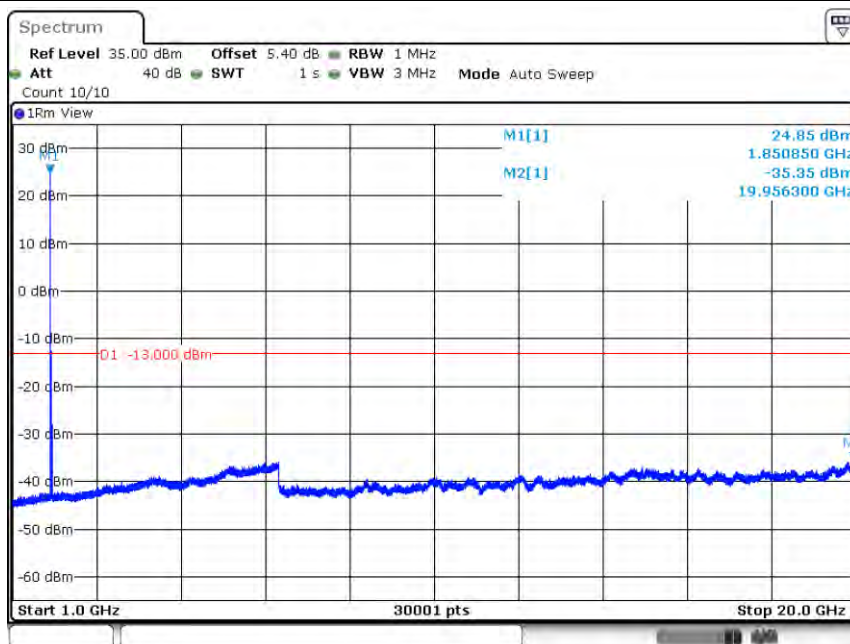
6.1. Test Plots



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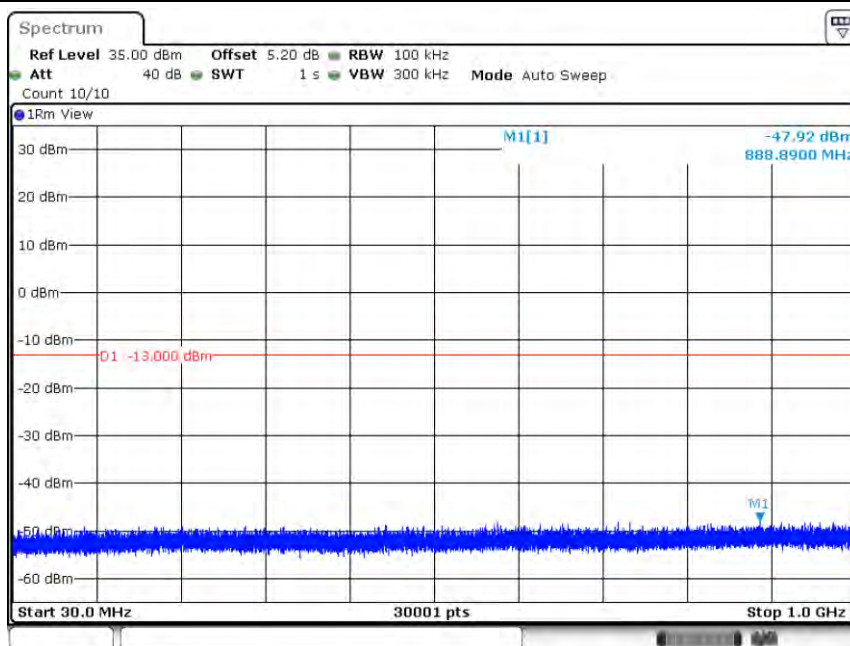
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Band2-20MHz-QPSK-18700-1RB#0-Range2:1000~20000MHz



Date: 14.APR.2021 18:44:23

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



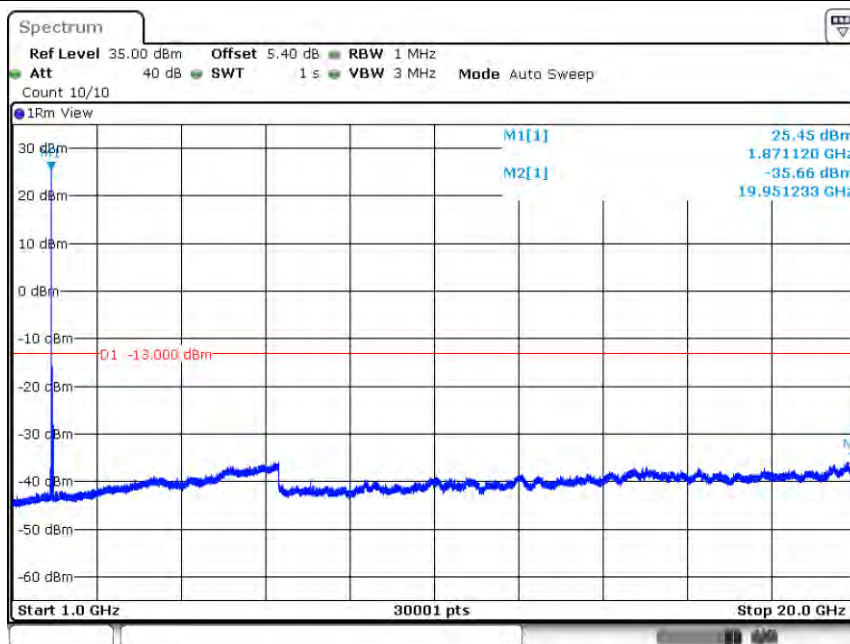
Date: 14.APR.2021 18:45:17



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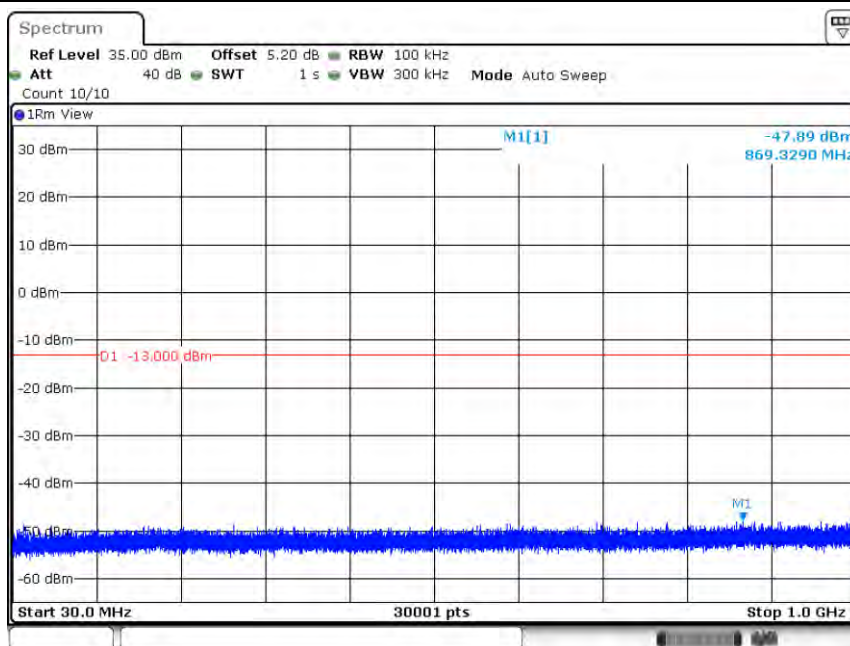
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Band2-20MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz



Date: 14.APR.2021 18:45:33

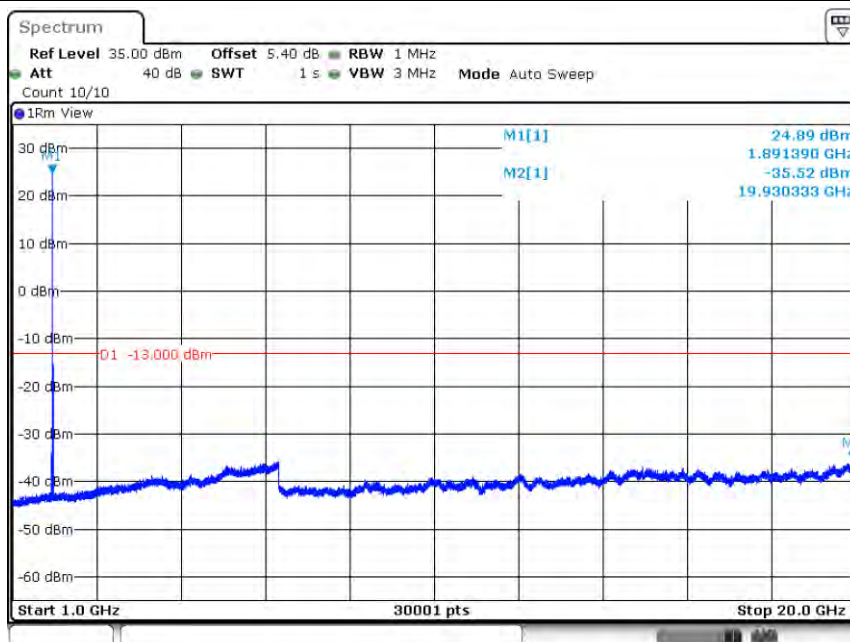
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Date: 14.APR.2021 18:46:27

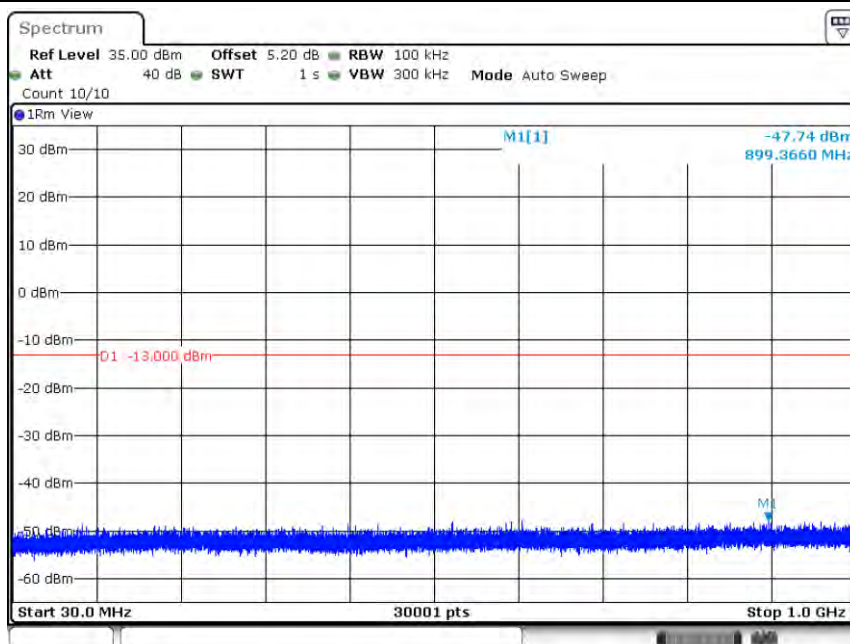


Band2-20MHz-QPSK-19100-1RB#0-Range2:1000~20000MHz



Date: 14.APR.2021 18:46:43

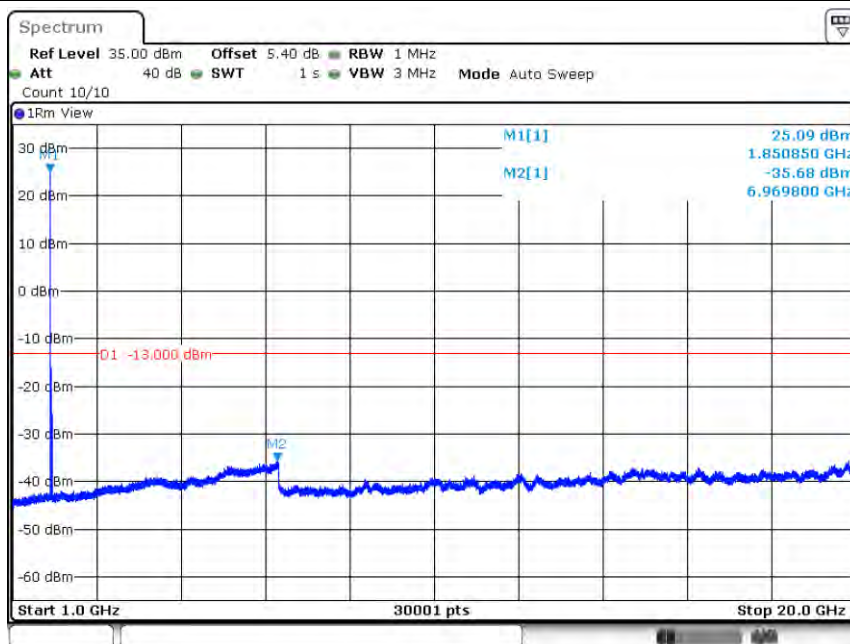
Band2-20MHz-16QAM-18700-1RB#0-Range1:30~1000MHz



Date: 14.APR.2021 18:44:42

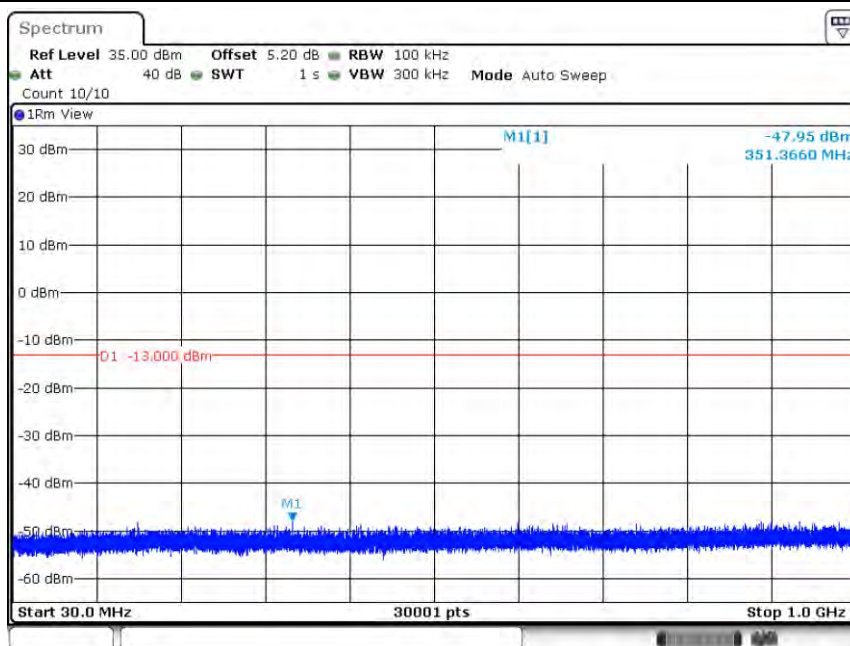


Band2-20MHz-16QAM-18700-1RB#0-Range2:1000~20000MHz



Date: 14.APR.2021 18:44:58

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



Date: 14.APR.2021 18:45:52

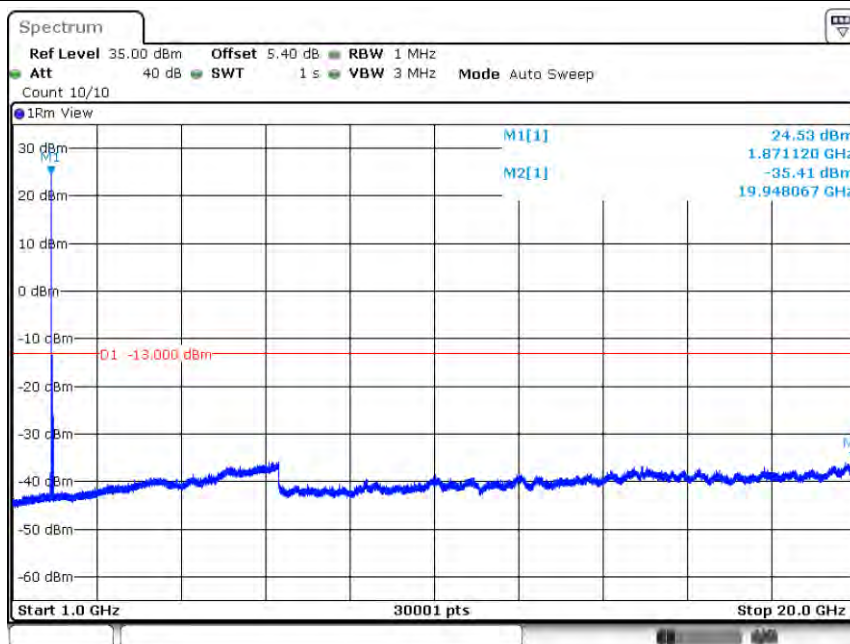


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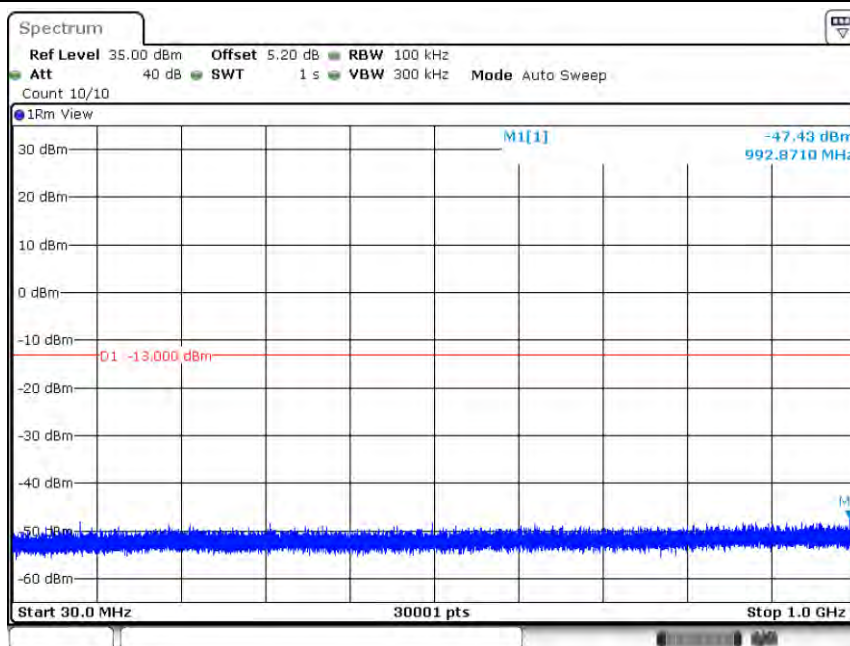


Band2-20MHz-16QAM-18900-1RB#0-Range2:1000~20000MHz



Date: 14.APR.2021 18:46:08

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



Date: 14.APR.2021 18:47:02

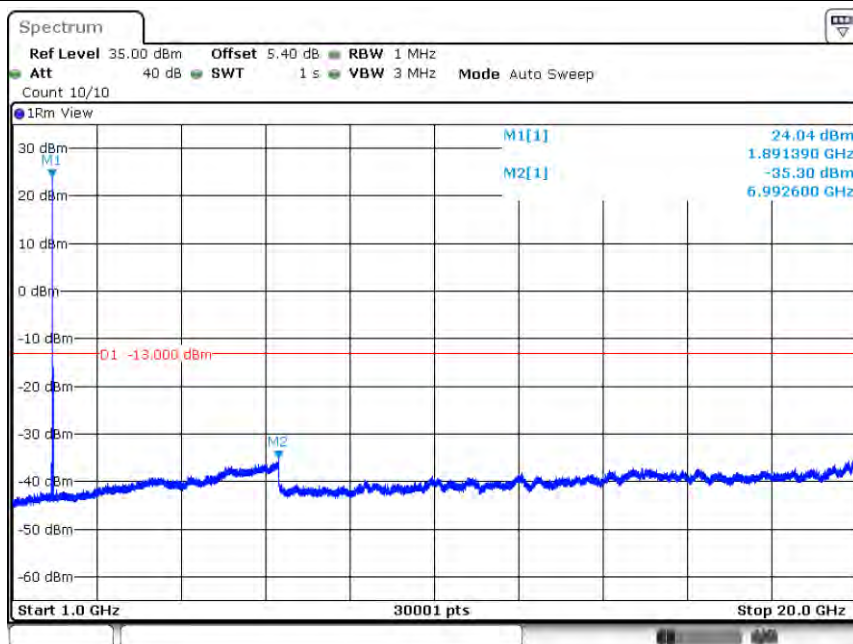


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Band2-20MHz-16QAM-19100-1RB#0-Range2:1000~20000MHz



Date: 14.APR.2021 18:47:18



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7. Field Strength of Spurious Radiation

ANT1:

7.1. Test Band = LTE_Band=2 BW=20MHz_TM1

7.1.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.6408	-89.82	-57.46	-13.00	44.46	Horizontal
2	235.9124	-88.01	-59.59	-13.00	46.59	Horizontal
3	631.1814	-86.67	-54.90	-13.00	41.90	Horizontal
4	5553.1277	-27.97	-29.52	-13.00	16.52	Horizontal
5	11106.4053	-51.87	-43.60	-13.00	30.60	Horizontal
6	14808.590	-52.82	-40.64	-13.00	27.64	Horizontal

7.2. Test Band = LTE_Band=2 BW=20MHz_TM1

7.2.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	47.5905	-88.75	-65.07	-13.00	52.07	Vertical
2	108.5752	-88.56	-56.97	-13.00	43.97	Vertical
3	603.1789	-85.88	-54.40	-13.00	41.40	Vertical
4	5553.1277	-25.58	-27.55	-13.00	14.55	Vertical
5	9255.3128	-47.39	-40.39	-13.00	27.39	Vertical
6	14808.590	-50.91	-37.05	-13.00	24.05	Vertical



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7.3. Test Band = LTE_Band=2 BW=20MHz _TM1

7.3.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.8743	-89.81	-57.36	-13.00	44.36	Horizontal
2	234.1016	-88.53	-60.09	-13.00	47.09	Horizontal
3	552.8649	-85.27	-54.53	-13.00	41.53	Horizontal
4	5613.1307	-26.87	-28.41	-13.00	15.41	Horizontal
5	7484.4742	-42.78	-40.95	-13.00	27.95	Horizontal
6	14969.098	-56.39	-43.94	-13.00	30.94	Horizontal

7.4. Test Band = LTE_Band=2 BW=20MHz _TM1

7.4.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	50.5654	-89.28	-65.15	-13.00	52.15	Vertical
2	116.9825	-89.14	-57.82	-13.00	44.82	Vertical
3	586.8171	-85.57	-54.47	-13.00	41.47	Vertical
4	5613.1307	-23.30	-25.19	-13.00	12.19	Vertical
5	7484.4742	-40.63	-38.63	-13.00	25.63	Vertical
6	14969.098	-54.72	-41.51	-13.00	28.51	Vertical





7.5. Test Band = LTE_Band=2 BW=20MHz _TM1

7.5.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.2228	-89.60	-57.23	-13.00	44.23	Horizontal
2	242.3795	-88.03	-59.76	-13.00	46.76	Horizontal
3	594.6423	-85.92	-54.38	-13.00	41.38	Horizontal
4	5672.3836	-25.66	-26.66	-13.00	13.66	Horizontal
5	7563.9782	-41.56	-40.50	-13.00	27.50	Horizontal
6	15128.106	-56.35	-44.97	-13.00	31.97	Horizontal

7.6. Test Band = LTE_Band=2 BW=20MHz _TM1

7.6.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	49.0779	-89.20	-65.22	-13.00	52.22	Vertical
2	109.9980	-89.97	-58.03	-13.00	45.03	Vertical
3	552.3475	-85.28	-55.71	-13.00	42.71	Vertical
4	5672.3836	-21.57	-23.19	-13.00	10.19	Vertical
5	7563.9782	-39.02	-37.79	-13.00	24.79	Vertical
6	9454.8227	-44.43	-37.94	-13.00	24.94	Vertical



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ANT2:

7.7. Test Band = LTE_Band=2 BW=20MHz _TM1

7.7.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	31.0994	-78.79	-67.18	-13.00	54.18	Horizontal
2	42.0935	-71.09	-55.25	-13.00	42.25	Horizontal
3	232.7435	-79.48	-67.95	-13.00	54.95	Horizontal
4	1088.3044	-72.49	-46.06	-13.00	33.06	Horizontal
5	2989.9995	-71.92	-31.56	-13.00	18.56	Horizontal
6	5298.1149	-57.39	-55.82	-13.00	42.82	Horizontal
7	17980.499	-58.29	-43.54	-13.00	30.54	Horizontal

7.8. Test Band = LTE_Band=2 BW=20MHz _TM1

7.8.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.2228	-70.61	-66.31	-13.00	53.31	Vertical
2	110.0627	-79.93	-64.63	-13.00	51.63	Vertical
3	1098.2049	-72.42	-45.20	-13.00	32.20	Vertical
4	2999.3000	-72.40	-31.60	-13.00	18.60	Vertical
5	5297.3649	-57.55	-56.52	-13.00	43.52	Vertical
6	17992.499	-57.81	-38.35	-13.00	25.35	Vertical



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7.9. Test Band = LTE_Band=2 BW=20MHz_TM1

7.9.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	32.7162	-70.90	-58.20	-13.00	45.20	Horizontal
2	240.3100	-79.63	-67.93	-13.00	54.93	Horizontal
3	1014.7007	-72.39	-47.31	-13.00	34.31	Horizontal
4	2995.2998	-72.12	-31.57	-13.00	18.57	Horizontal
5	5626.6313	-41.59	-43.02	-13.00	30.02	Horizontal
6	17985.749	-58.60	-43.87	-13.00	30.87	Horizontal

7.10. Test Band = LTE_Band=2 BW=20MHz_TM1

7.10.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.0288	-70.67	-66.54	-13.00	53.54	Vertical
2	110.5154	-79.78	-64.51	-13.00	51.51	Vertical
3	1037.0019	-72.75	-47.23	-13.00	34.23	Vertical
4	2996.5998	-71.95	-31.24	-13.00	18.24	Vertical
5	5626.6313	-34.36	-36.20	-13.00	23.20	Vertical
6	17990.999	-58.52	-39.06	-13.00	26.06	Vertical





7.11. Test Band = LTE_Band=2 BW=20MHz _TM1

7.11.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.0288	-71.11	-55.27	-13.00	42.27	Horizontal
2	231.2561	-80.18	-68.69	-13.00	55.69	Horizontal
3	1035.2018	-72.74	-47.30	-13.00	34.30	Horizontal
4	2998.6999	-71.99	-31.33	-13.00	18.33	Horizontal
5	5686.6343	-42.29	-43.14	-13.00	30.14	Horizontal
6	16403.170	-59.64	-43.87	-13.00	30.87	Horizontal

7.12. Test Band = LTE_Band=2 BW=20MHz _TM1

7.12.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.8348	-70.69	-66.73	-13.00	53.73	Vertical
2	109.3513	-79.59	-64.41	-13.00	51.41	Vertical
3	1086.3043	-72.41	-45.62	-13.00	32.62	Vertical
4	2994.6997	-72.05	-31.41	-13.00	18.41	Vertical
5	5686.6343	-36.07	-37.60	-13.00	24.60	Vertical
6	17997.749	-58.75	-39.30	-13.00	26.30	Vertical

Remark:

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





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	1.90	0.001022	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	-0.40	-0.000215	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	0.80	0.000430	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-2.00	-0.001064	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-1.70	-0.000904	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-2.00	-0.001064	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	-2.30	-0.001211	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-1.10	-0.000579	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-1.30	-0.000684	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	2.60	0.001398	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	2.30	0.001237	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	1.70	0.000914	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-3.90	-0.002074	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-3.90	-0.002074	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	-1.90	-0.001011	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	-1.50	-0.000789	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	-3.50	-0.001842	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	-1.00	-0.000526	±2.5	PASS



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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	0.30	0.000161	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	1.30	0.000699	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-10	-0.50	-0.000269	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	0.30	0.000161	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	0.50	0.000269	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	0.60	0.000323	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	0.50	0.000269	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	0.10	0.000054	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	1.30	0.000699	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-4.20	-0.002234	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-4.30	-0.002287	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-4.30	-0.002287	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-2.60	-0.001383	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-3.30	-0.001755	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-3.10	-0.001649	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-2.70	-0.001436	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-3.90	-0.002074	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-2.10	-0.001117	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-0.80	-0.000421	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	-2.90	-0.001526	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-10	-2.20	-0.001158	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	-2.30	-0.001211	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-3.00	-0.001579	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-3.10	-0.001632	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	-2.60	-0.001368	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	-3.60	-0.001895	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	-1.70	-0.000895	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	0.20	0.000108	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	3.10	0.001667	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-10	-0.70	-0.000376	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	-1.10	-0.000591	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	0.70	0.000376	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	1.30	0.000699	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	1.50	0.000806	±2.5	PASS



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Band2	20MHz	16QAM	18700	100RB#0	NV	40	0.30	0.000161	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	1.10	0.000591	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-4.20	-0.002234	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-4.10	-0.002181	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-10	-2.00	-0.001064	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-3.80	-0.002021	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-3.70	-0.001968	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-3.10	-0.001649	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-3.90	-0.002074	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	-3.60	-0.001915	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-4.20	-0.002234	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-2.10	-0.001105	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	-3.30	-0.001737	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-10	-2.40	-0.001263	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	-3.10	-0.001632	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-3.30	-0.001737	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	-2.50	-0.001316	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	-3.90	-0.002053	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-1.60	-0.000842	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-2.30	-0.001211	±2.5	PASS



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