



Appendix B

E-UTRA Band 2



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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	23.78	23.25	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.88	23.35	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.76	23.23	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	23.93	23.40	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	23.86	23.33	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	23.88	23.35	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.89	22.36	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.79	23.26	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.76	23.23	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.92	23.39	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	23.88	23.35	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	23.92	23.39	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	23.88	23.35	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.91	22.38	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.78	23.25	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.66	23.13	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.65	23.12	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	23.74	23.21	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	23.74	23.21	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	23.81	23.28	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.78	22.25	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	23.15	22.62	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	23.02	22.49	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.97	22.44	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	22.96	22.43	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	22.98	22.45	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	22.93	22.40	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.92	21.39	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.96	22.43	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	23.07	22.54	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	23.19	22.66	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	23.00	22.47	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	22.98	22.45	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	22.91	22.38	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.95	21.42	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.91	22.38	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.85	22.32	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.78	22.25	33.00	PASS





Band2	1.4MHz	16QAM	19193	3RB#3	22.77	22.24	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	22.89	22.36	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	22.80	22.27	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.83	21.30	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.86	23.33	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.84	23.31	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.82	23.29	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	22.86	22.33	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	22.90	22.37	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	22.88	22.35	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.88	22.35	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.85	23.32	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.84	23.31	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.86	23.33	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	22.89	22.36	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	22.90	22.37	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	22.92	22.39	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.89	22.36	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.71	23.18	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.72	23.19	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.68	23.15	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#4	22.80	22.27	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	22.75	22.22	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	22.76	22.23	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.76	22.23	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	23.08	22.55	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	23.08	22.55	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.98	22.45	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	21.93	21.40	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	21.93	21.40	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	21.93	21.40	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.86	21.33	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	23.09	22.56	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	23.19	22.66	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	23.13	22.60	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	21.95	21.42	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	21.93	21.40	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	21.95	21.42	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.86	21.33	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.89	22.36	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.93	22.40	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.87	22.34	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	21.76	21.23	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	21.77	21.24	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#4	21.82	21.29	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.75	21.22	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.76	23.23	33.00	PASS



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Band2	5MHz	QPSK	18625	1RB#12	24.06	23.53	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.75	23.22	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	22.95	22.42	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	22.92	22.39	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	22.93	22.40	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.91	22.38	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.75	23.22	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.74	23.21	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.98	23.45	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.96	22.43	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	22.91	22.38	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	22.89	22.36	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.90	22.37	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.59	23.06	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.83	23.30	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.63	23.10	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	22.77	22.24	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	22.81	22.28	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	22.76	22.23	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.76	22.23	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	23.00	22.47	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	23.16	22.63	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	23.05	22.52	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	21.93	21.40	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#0	21.92	21.39	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	21.96	21.43	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.90	21.37	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	23.04	22.51	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	23.36	22.83	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	23.02	22.49	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	21.89	21.36	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.89	21.36	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	21.97	21.44	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.88	21.35	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.85	22.32	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.78	22.25	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	23.00	22.47	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	21.77	21.24	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	21.80	21.27	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	21.75	21.22	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.73	21.20	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.85	23.32	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	24.01	23.48	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.84	23.31	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#12	23.01	22.48	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#0	22.98	22.45	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	22.99	22.46	33.00	PASS



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Band2	10MHz	QPSK	18650	50RB#0	23.00	22.47	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.81	23.28	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.87	23.34	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.96	23.43	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	22.96	22.43	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	22.98	22.45	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	22.96	22.43	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.97	22.44	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.85	23.32	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.72	23.19	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.85	23.32	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	22.90	22.37	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	22.80	22.27	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#12	22.89	22.36	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.87	22.34	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	23.25	22.72	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	23.10	22.57	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	23.11	22.58	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	21.97	21.44	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	21.99	21.46	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	21.96	21.43	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.99	21.46	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.99	22.46	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	23.02	22.49	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	23.27	22.74	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#25	21.93	21.40	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#12	21.95	21.42	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#0	21.96	21.43	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.96	21.43	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	23.16	22.63	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.82	22.29	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	23.10	22.57	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	21.76	21.23	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	21.90	21.37	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	21.91	21.38	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.85	21.32	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.78	23.25	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.81	23.28	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.93	23.40	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	22.96	22.43	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	23.00	22.47	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	22.95	22.42	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.97	22.44	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.74	23.21	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.87	23.34	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.80	23.27	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	22.94	22.41	33.00	PASS



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Band2	15MHz	QPSK	18900	36RB#39	22.93	22.40	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	22.97	22.44	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.92	22.39	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.65	23.12	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.84	23.31	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.79	23.26	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	22.92	22.39	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	22.98	22.45	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	22.80	22.27	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.91	22.38	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	23.12	22.59	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	23.08	22.55	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	23.15	22.62	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#0	21.95	21.42	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	21.91	21.38	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	21.96	21.43	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.97	21.44	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	23.06	22.53	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.94	22.41	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	23.03	22.50	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	21.93	21.40	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	21.89	21.36	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	21.88	21.35	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.90	21.37	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.87	22.34	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	23.02	22.49	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	23.05	22.52	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	21.93	21.40	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	21.78	21.25	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	21.88	21.35	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.87	21.34	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.75	23.22	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	24.01	23.48	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.75	23.22	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	23.01	22.48	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#0	23.00	22.47	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	22.91	22.38	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.93	22.40	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.68	23.15	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.76	23.23	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.98	23.45	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	22.97	22.44	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	22.92	22.39	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#50	22.88	22.35	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.89	22.36	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.74	23.21	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.97	23.44	33.00	PASS



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Band2	20MHz	QPSK	19100	1RB#99	23.60	23.07	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	23.03	22.50	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.98	22.45	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	22.80	22.27	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.92	22.39	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	23.05	22.52	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	23.24	22.71	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	23.05	22.52	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	21.88	21.35	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	21.98	21.45	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	21.99	21.46	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.92	21.39	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	23.00	22.47	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	23.15	22.62	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.95	22.42	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	21.90	21.37	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	21.87	21.34	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	21.95	21.42	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.88	21.35	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.98	22.45	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.79	22.26	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	23.25	22.72	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	21.99	21.46	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	21.96	21.43	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	21.77	21.24	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.90	21.37	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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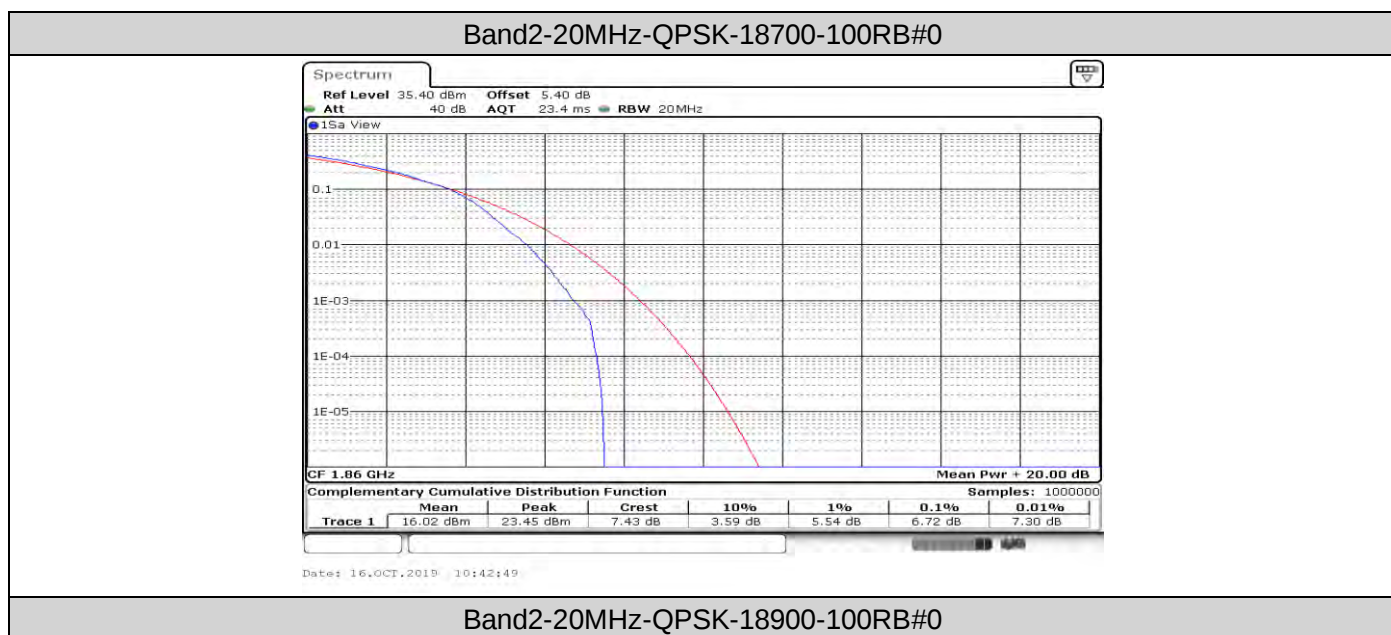


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	6.72	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	7.01	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	7.04	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	7.36	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	7.36	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	7.36	13	PASS

2.2. Test Plots





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



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





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



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



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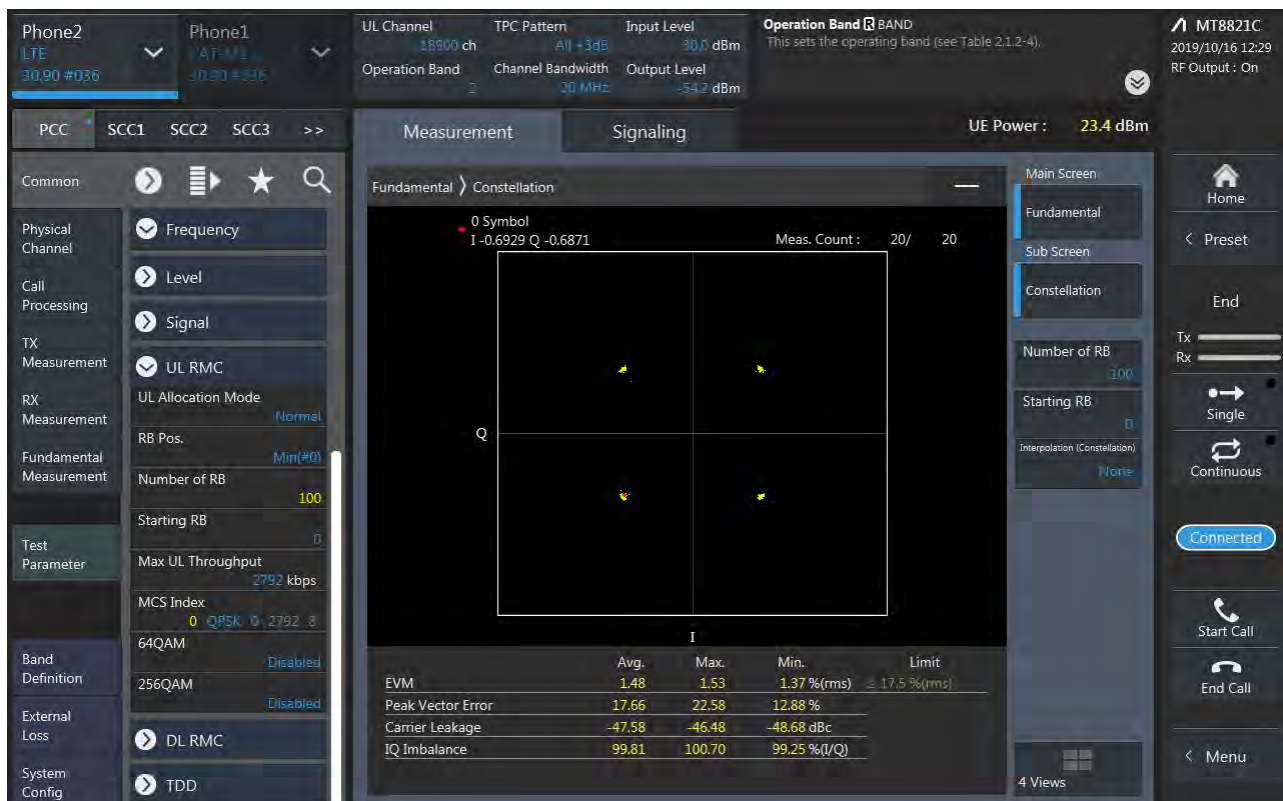




3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

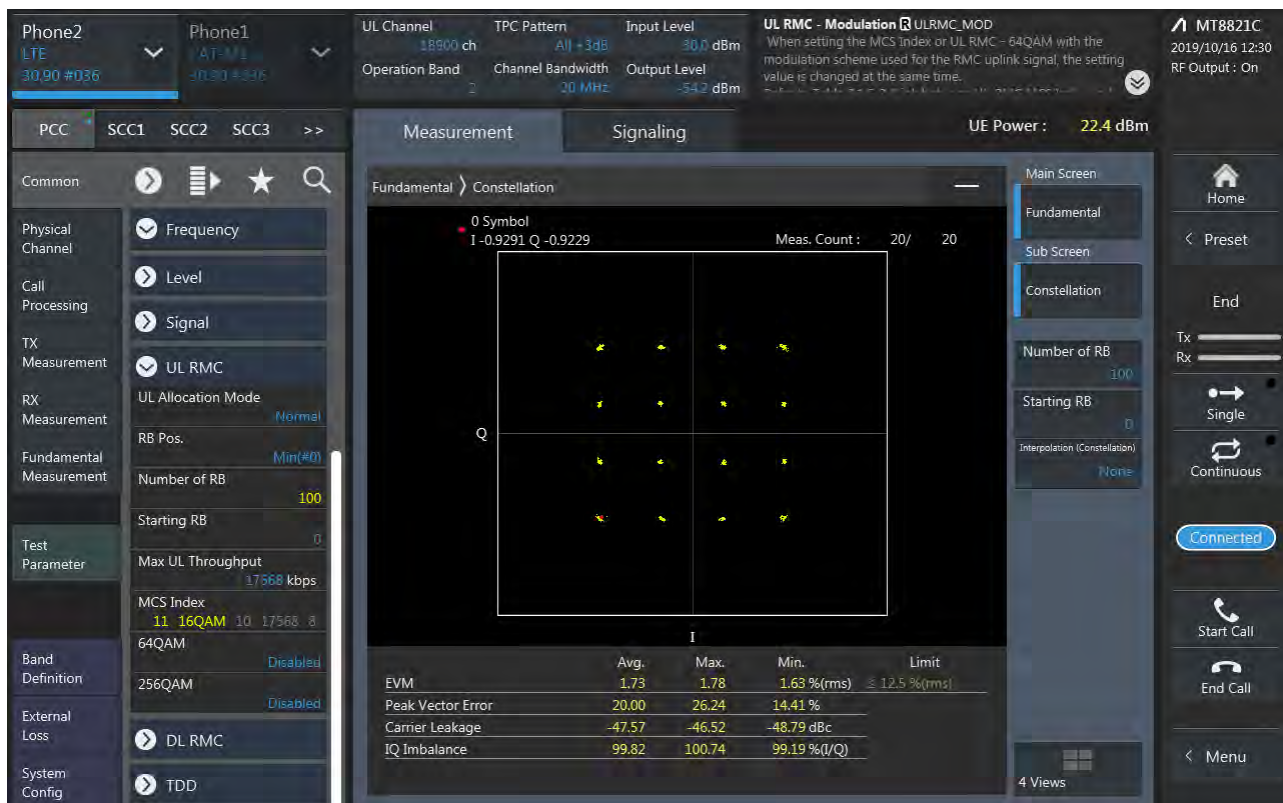
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH





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	1.287	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.088	1.281	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.088	1.287	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.088	1.287	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.088	1.290	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.088	1.290	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.691	2.928	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.691	2.916	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.685	2.928	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.673	2.898	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.673	2.904	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.673	2.904	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.476	4.840	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.466	4.820	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.466	4.830	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.476	4.870	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.486	4.870	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.486	4.860	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.931	9.600	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.931	9.600	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.911	9.620	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.911	9.620	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.931	9.660	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.951	9.680	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.457	14.700	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.457	14.700	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.457	14.550	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.427	14.670	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.427	14.940	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.457	14.700	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.902	22.560	PASS



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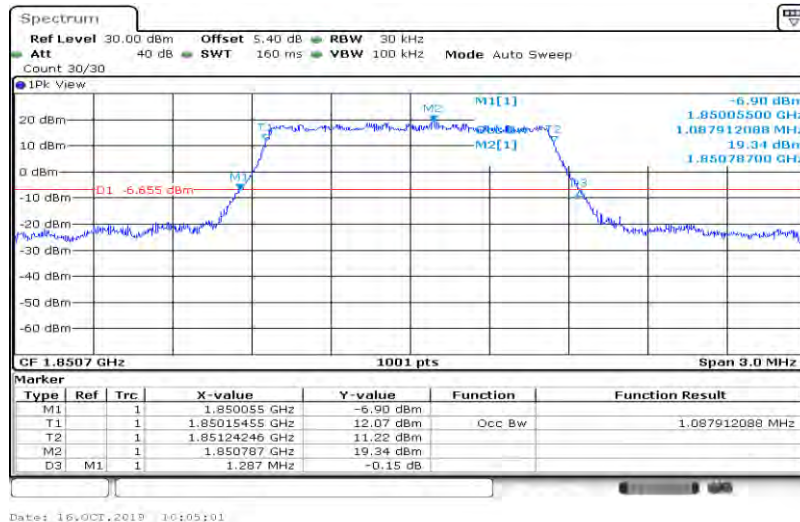
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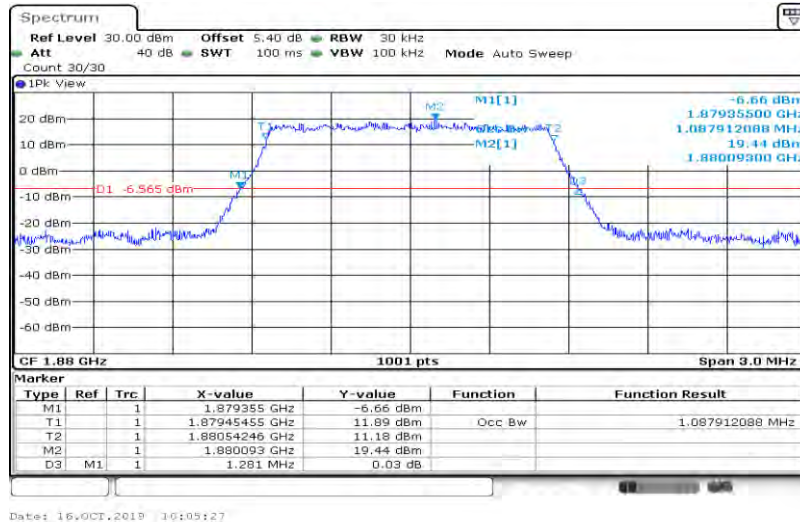
Band2	20MHz	QPSK	18900	100RB#0	17.862	19.320	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.902	19.280	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.862	21.160	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.902	19.280	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.862	19.280	PASS

4.2. Test Plots

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



Band2-1.4MHz-QPSK-18900-6RB#0-1.088

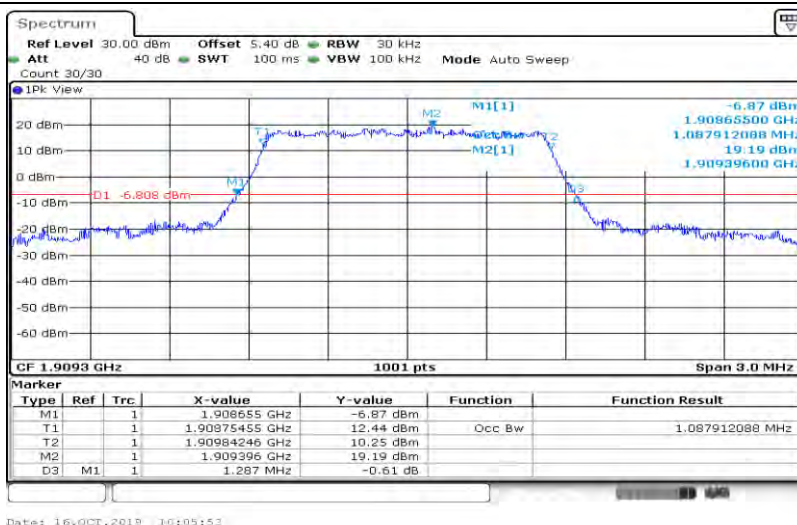


Band2-1.4MHz-QPSK-19193-6RB#0-1.088

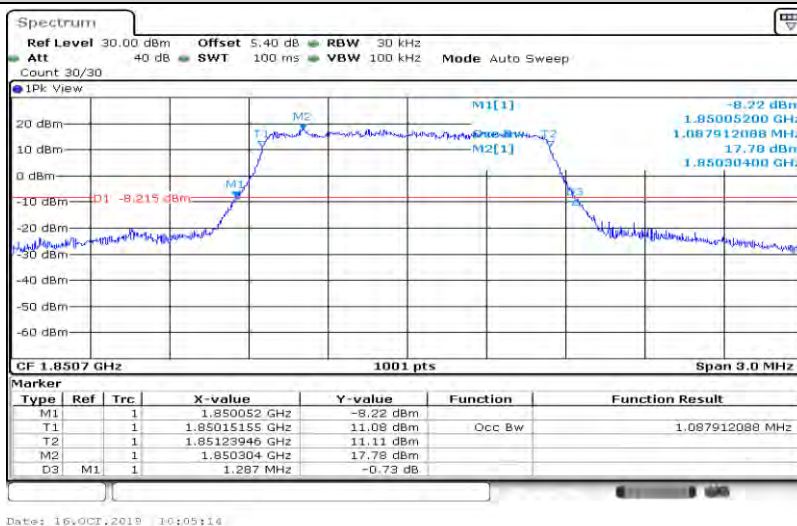


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Band2-1.4MHz-16QAM-18607-6RB#0-1.088

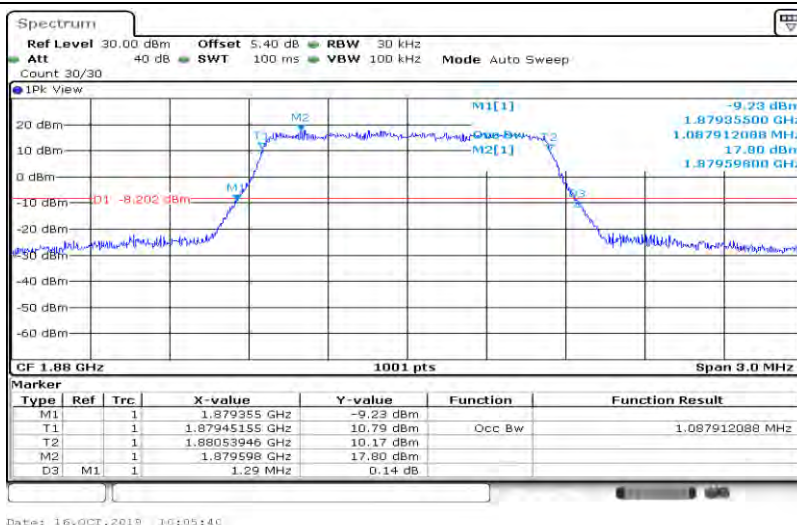


Band2-1.4MHz-16QAM-18900-6RB#0-1.088

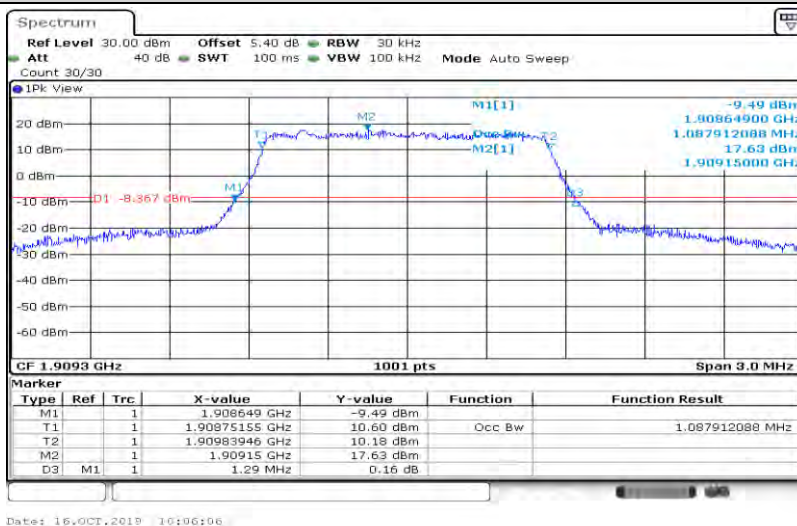


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Band2-1.4MHz-16QAM-19193-6RB#0-1.088

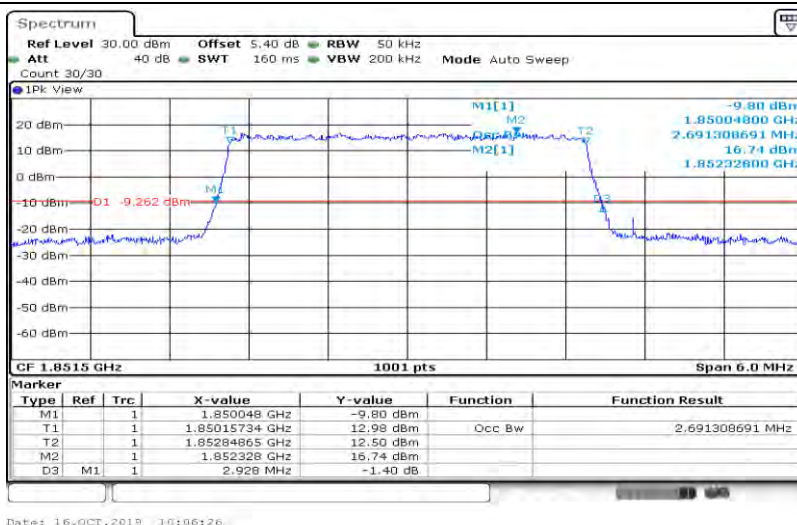


Band2-3MHz-QPSK-18615-15RB#0-2.691

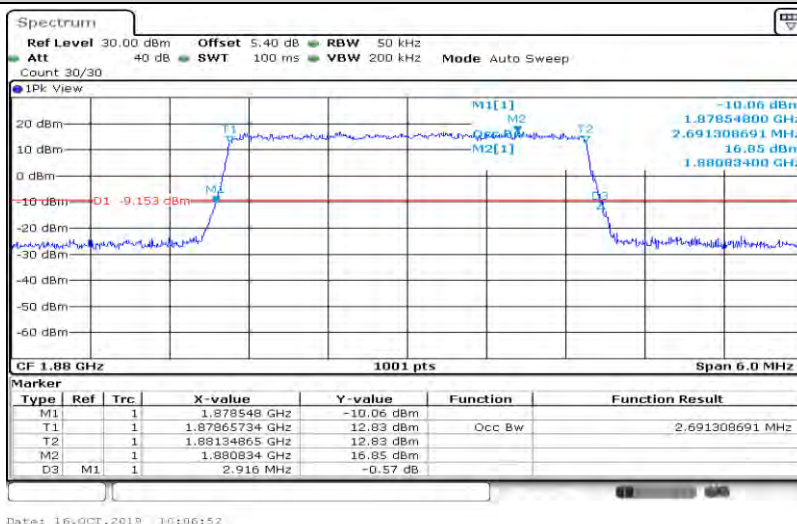


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Band2-3MHz-QPSK-18900-15RB#0-2.691

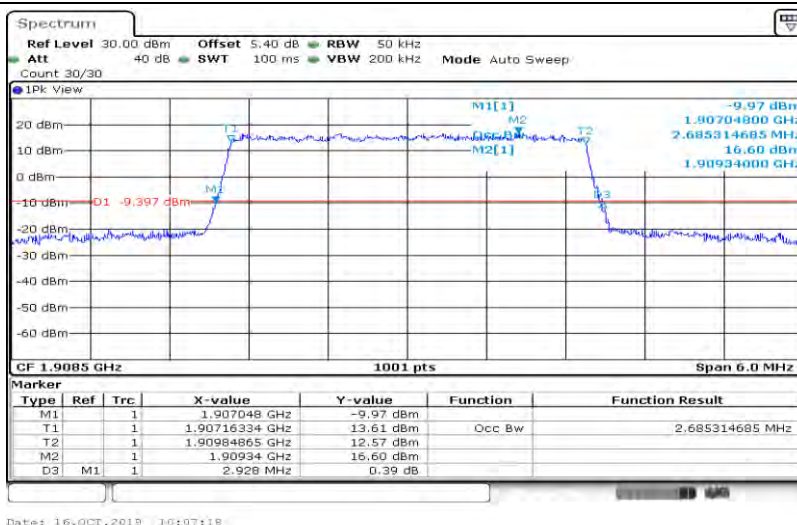


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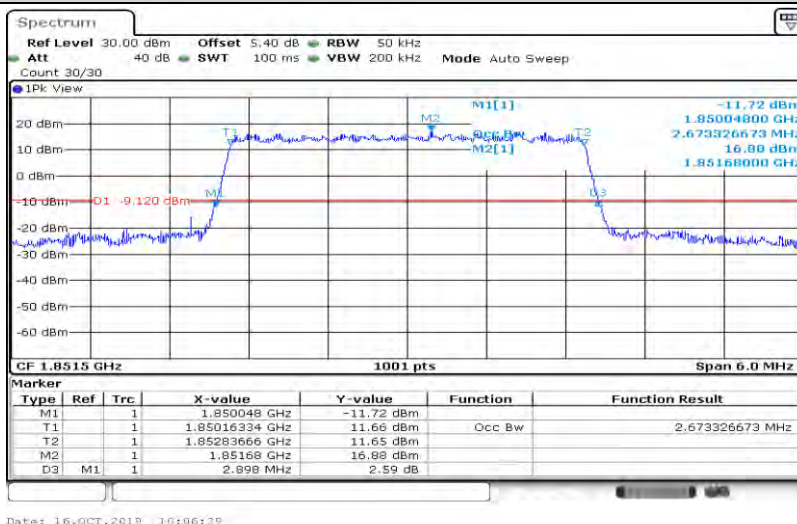


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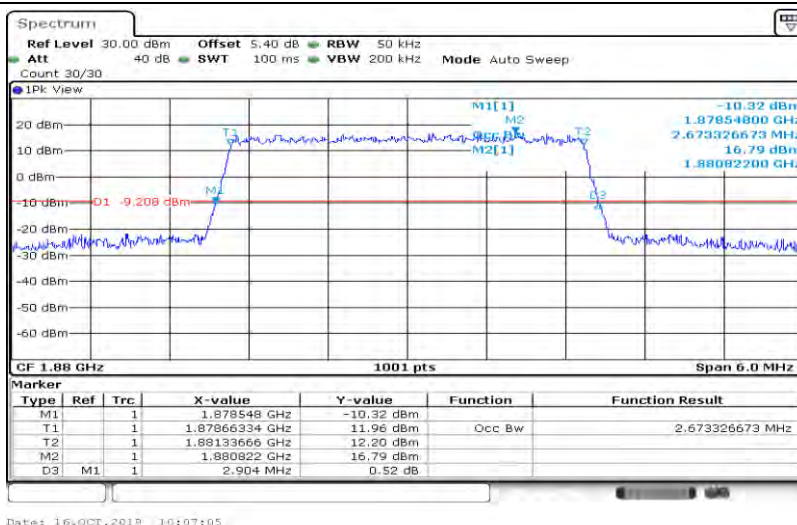
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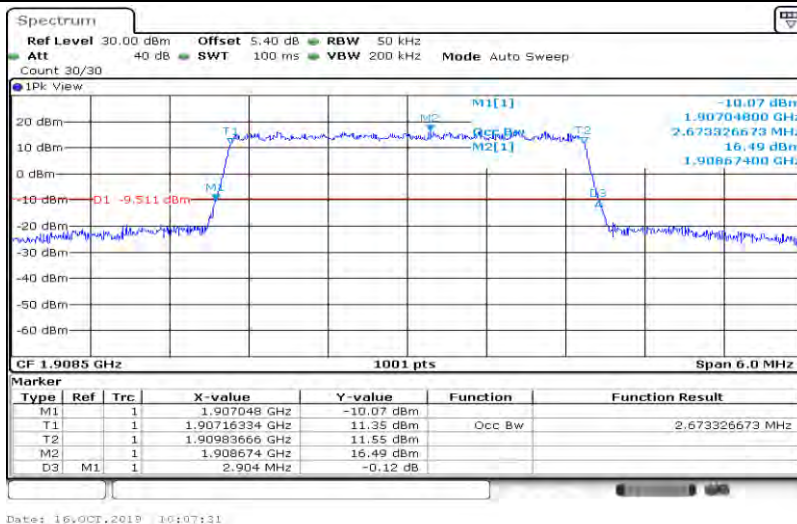
Band2-3MHz-16QAM-18615-15RB#0-2.673



Band2-3MHz-16QAM-18900-15RB#0-2.673



Band2-3MHz-16QAM-19185-15RB#0-2.673

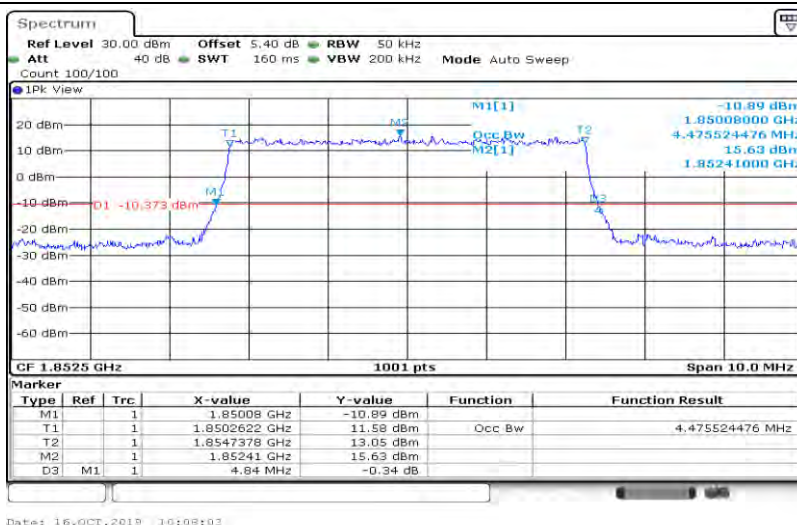


Band2-5MHz-QPSK-18625-25RB#0-4.476

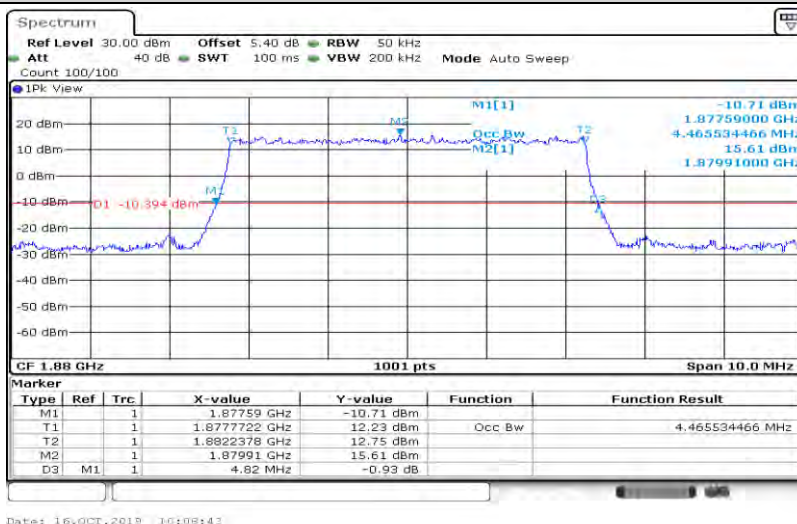


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Band2-5MHz-QPSK-18900-25RB#0-4.466

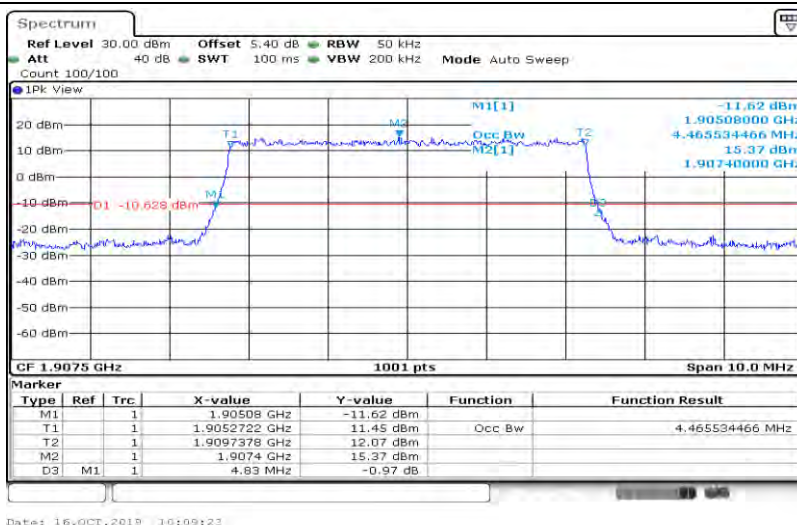


Band2-5MHz-QPSK-19175-25RB#0-4.466

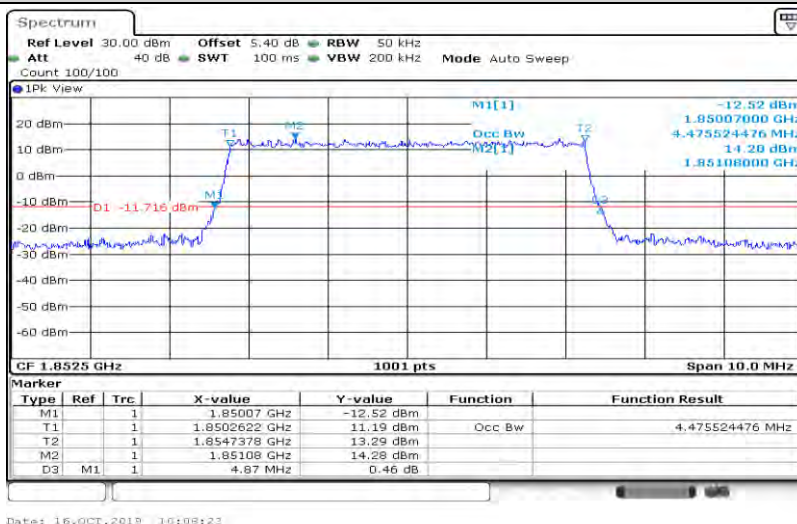


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Band2-5MHz-16QAM-18625-25RB#0-4.476

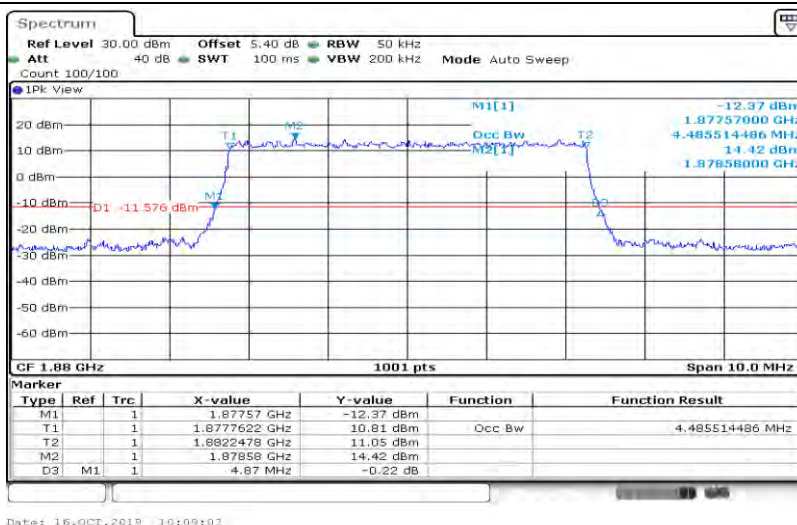


Band2-5MHz-16QAM-18900-25RB#0-4.486

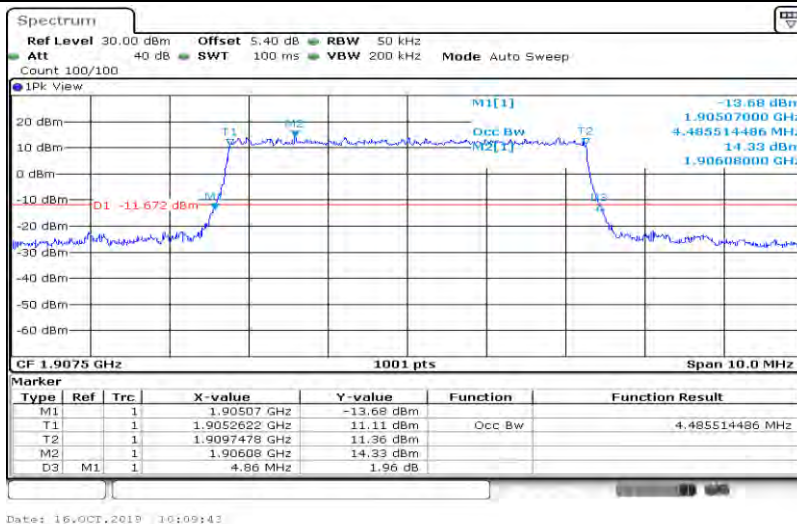


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Band2-5MHz-16QAM-19175-25RB#0-4.486



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

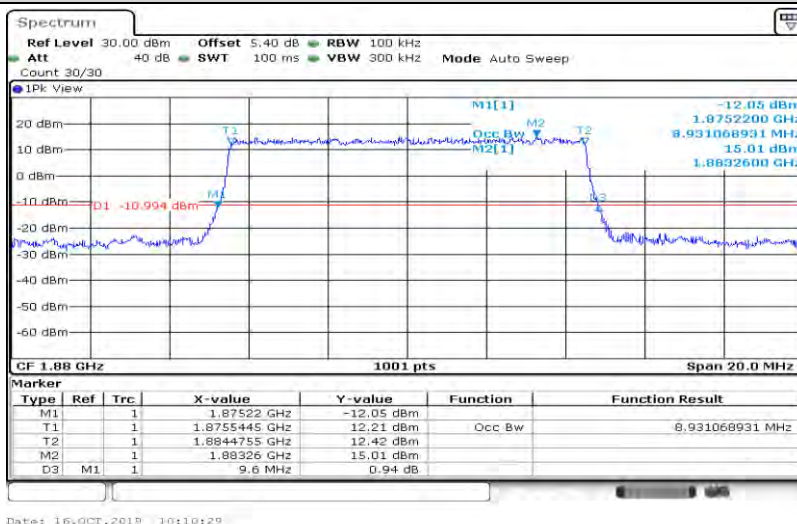


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Band2-10MHz-QPSK-18900-50RB#0-8.931

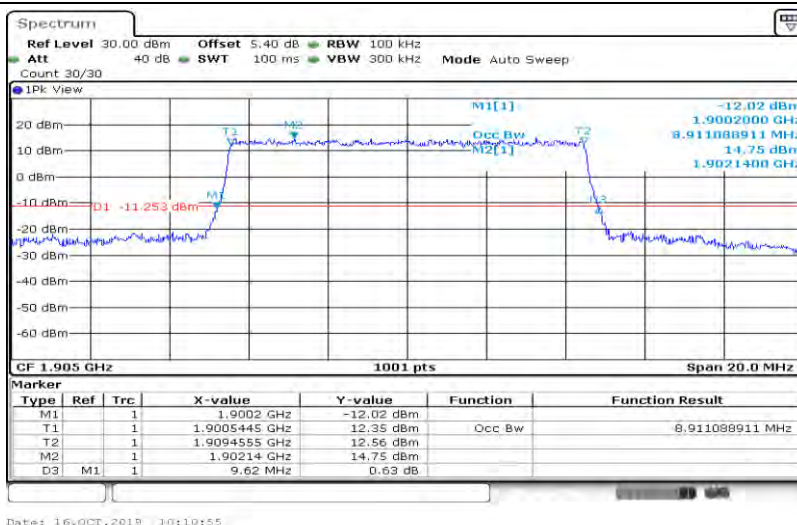


Band2-10MHz-QPSK-19150-50RB#0-8.911

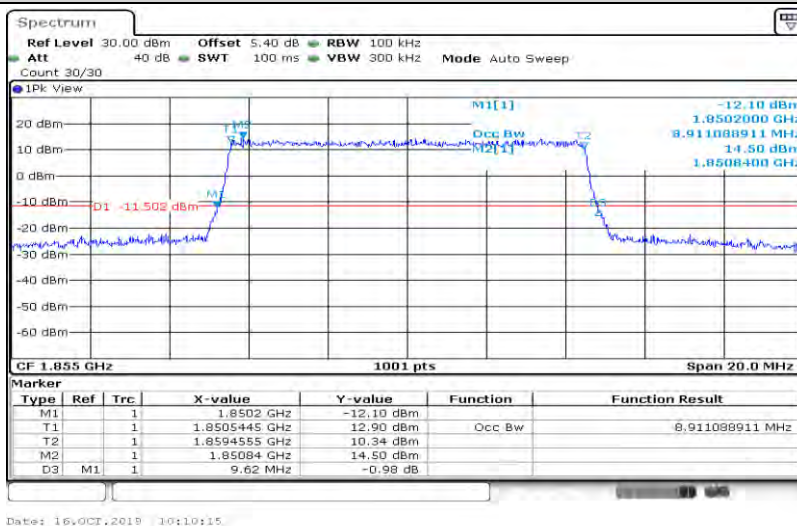


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Band2-10MHz-16QAM-18650-50RB#0-8.911

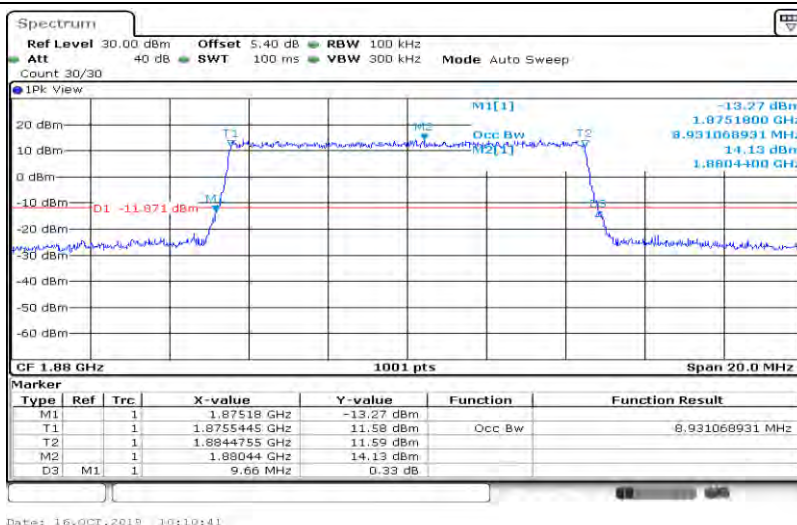


Band2-10MHz-16QAM-18900-50RB#0-8.931

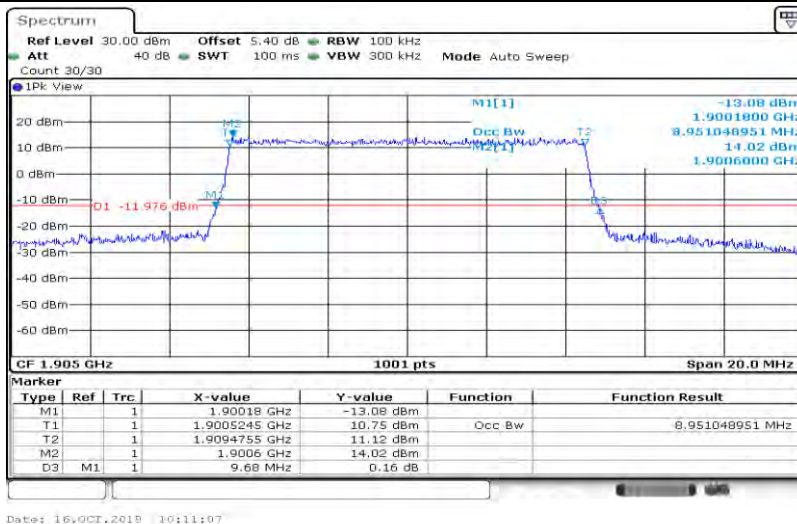


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Band2-10MHz-16QAM-19150-50RB#0-8.951

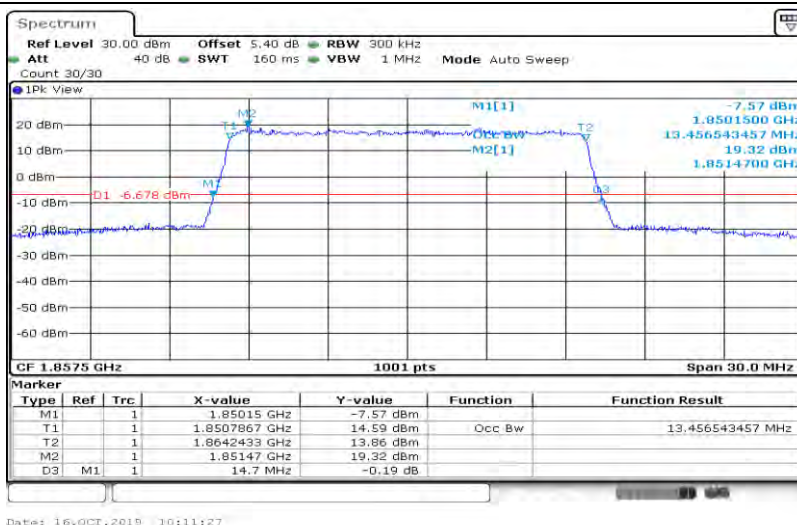


Band2-15MHz-QPSK-18675-75RB#0-13.457

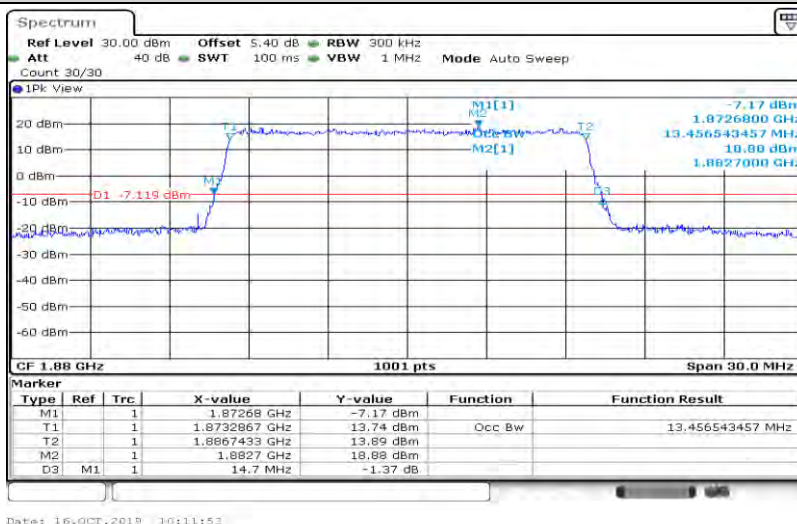


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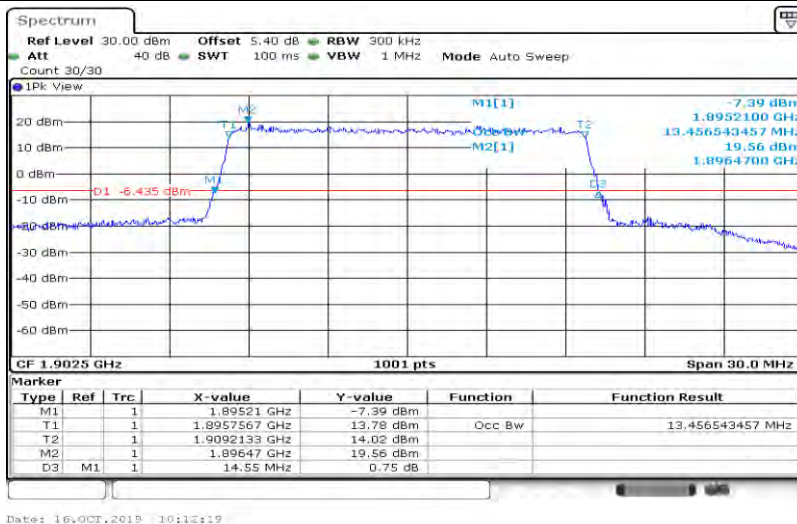


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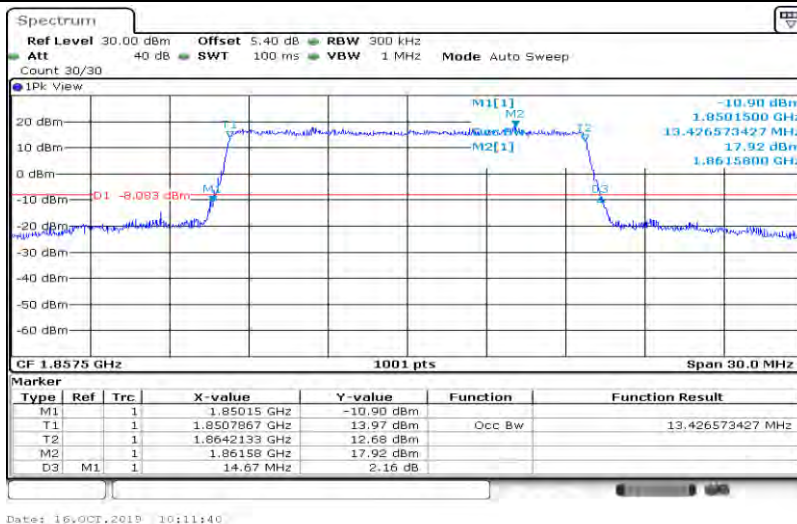


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Band2-15MHz-16QAM-18675-75RB#0-13.427

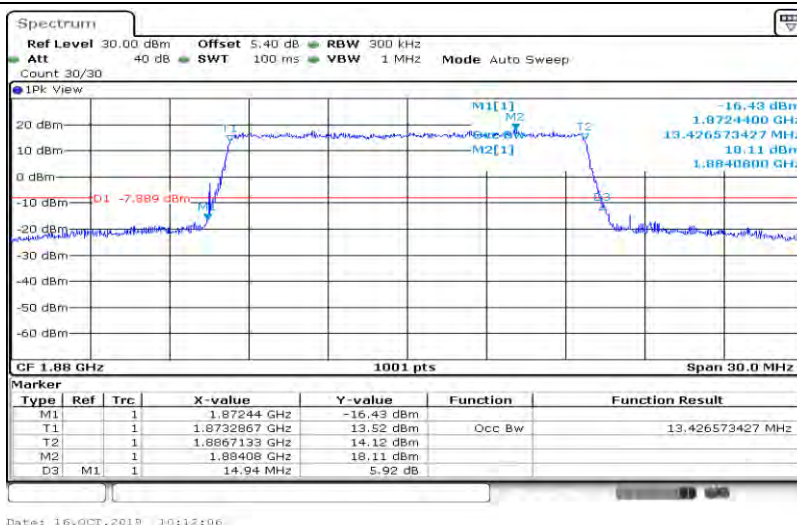


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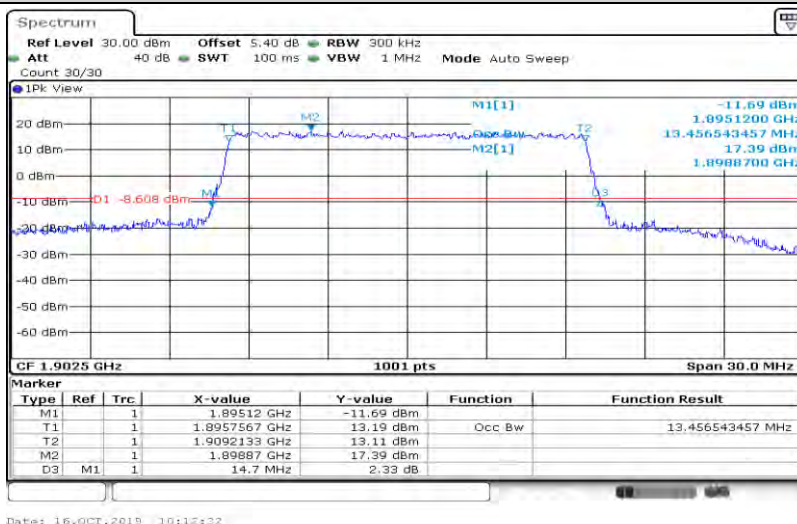


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Band2-15MHz-16QAM-19125-75RB#0-13.457

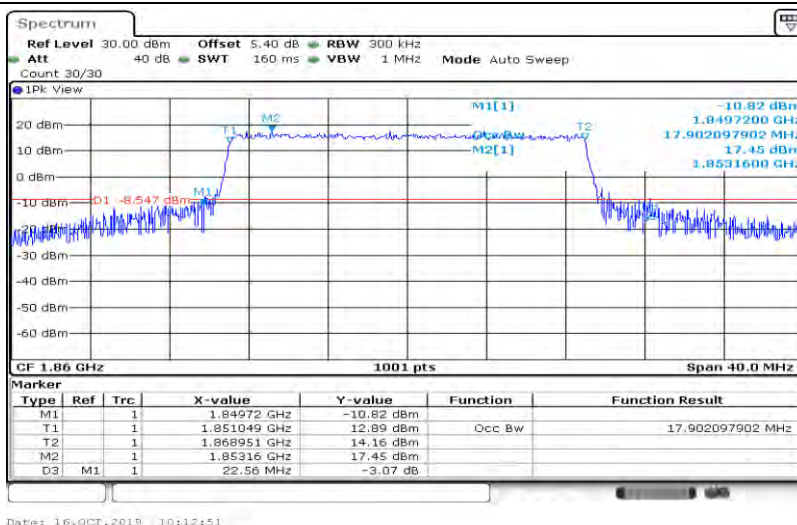


Band2-20MHz-QPSK-18700-100RB#0-17.902

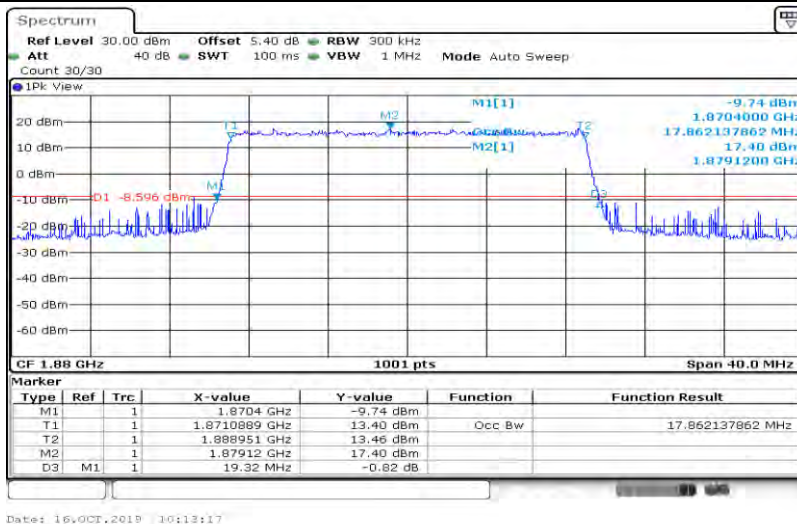


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Band2-20MHz-QPSK-18900-100RB#0-17.862

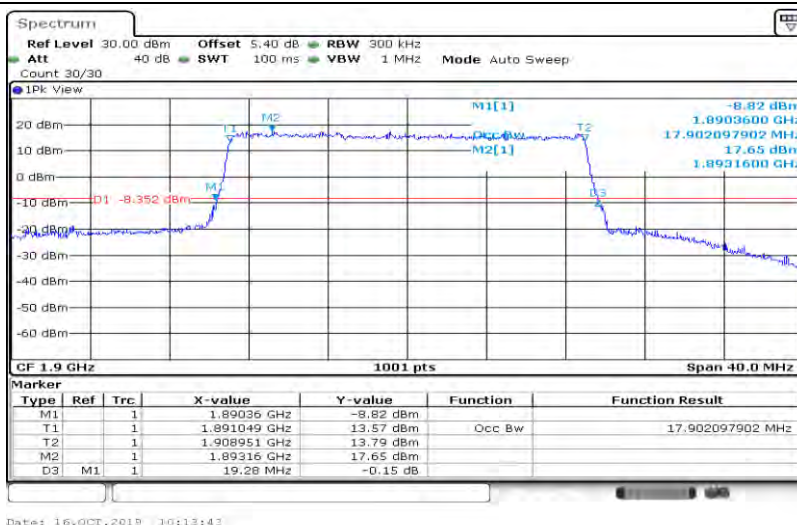


Band2-20MHz-QPSK-19100-100RB#0-17.902

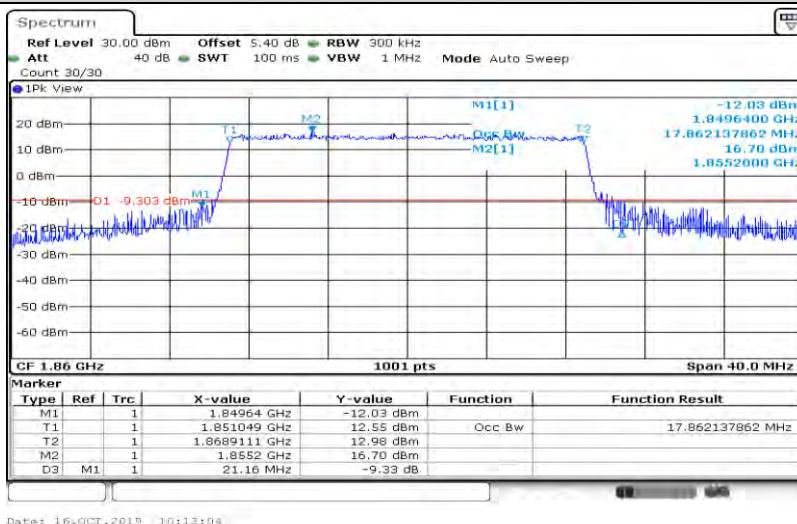


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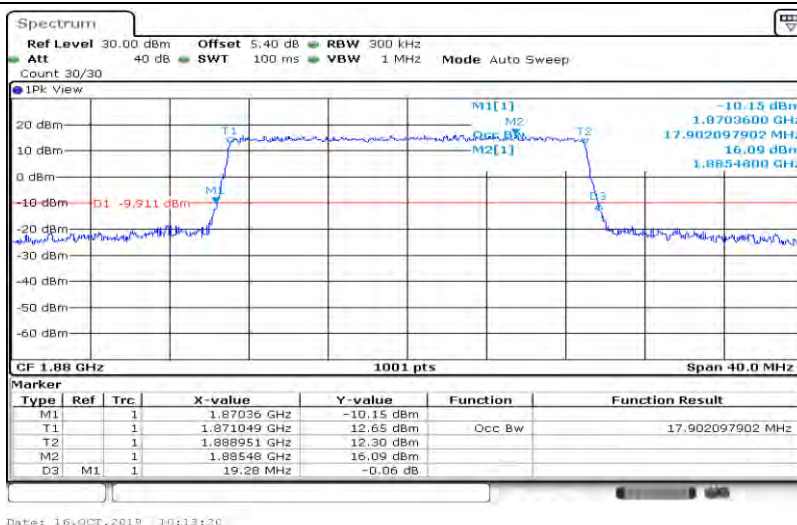
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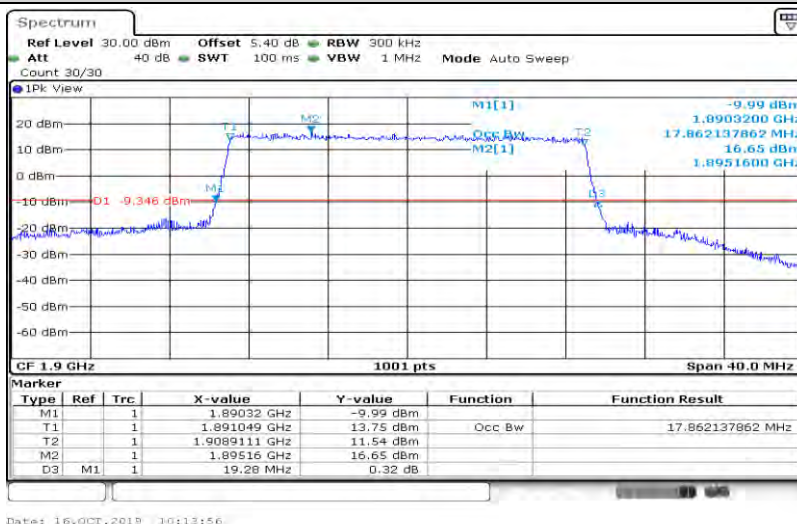
Band2-20MHz-16QAM-18700-100RB#0-17.862



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



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



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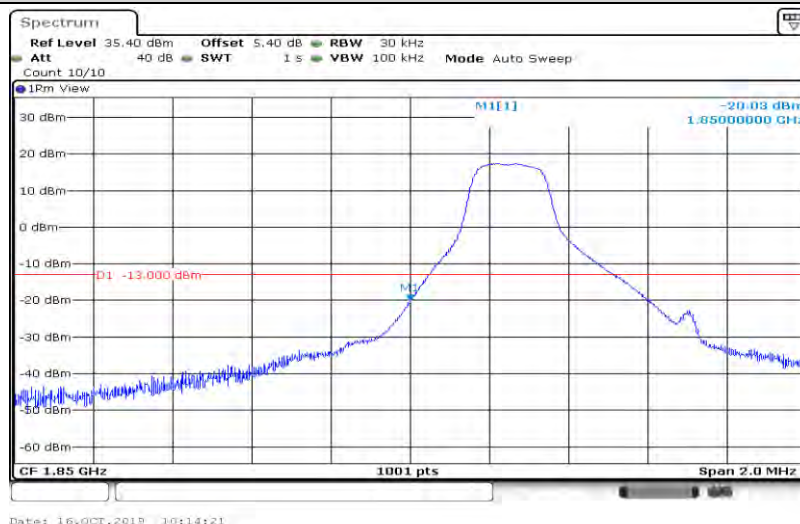
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5. Band Edge Compliance

5.1. Test Plots

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



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



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



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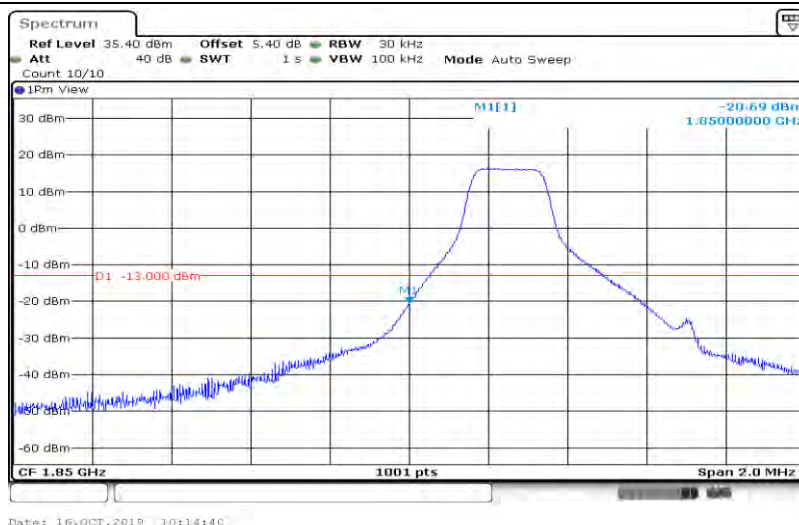


Band2-1.4MHz-QPSK-19193-6RB#0



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



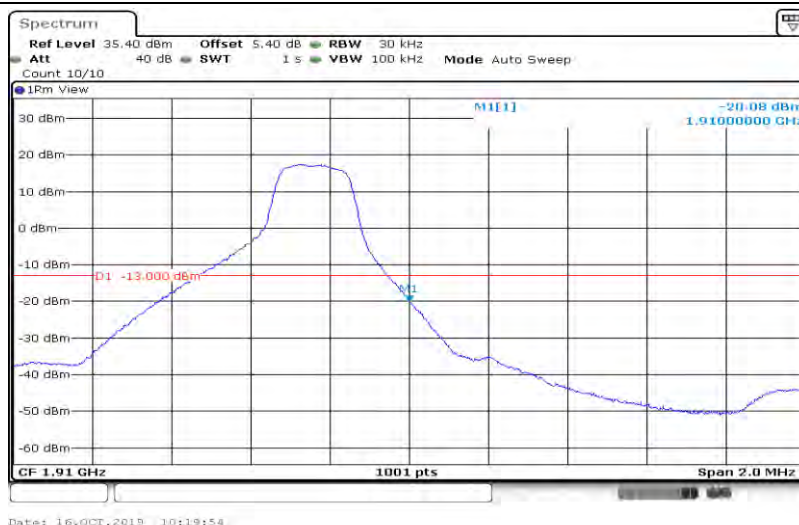
Band2-3MHz-QPSK-19185-1RB#14



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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

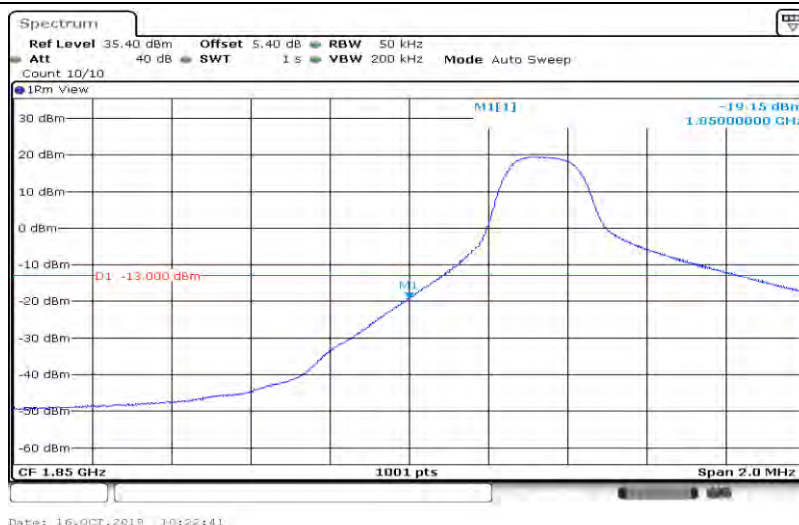


Band2-5MHz-QPSK-18625-1RB#0



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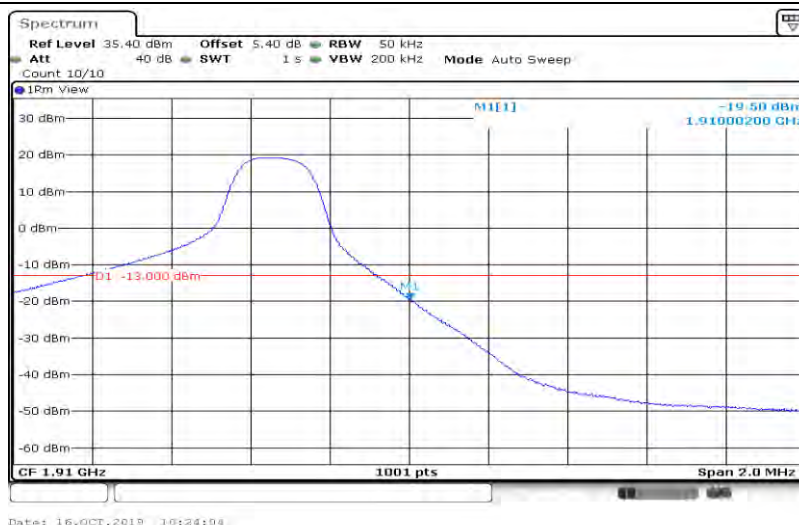


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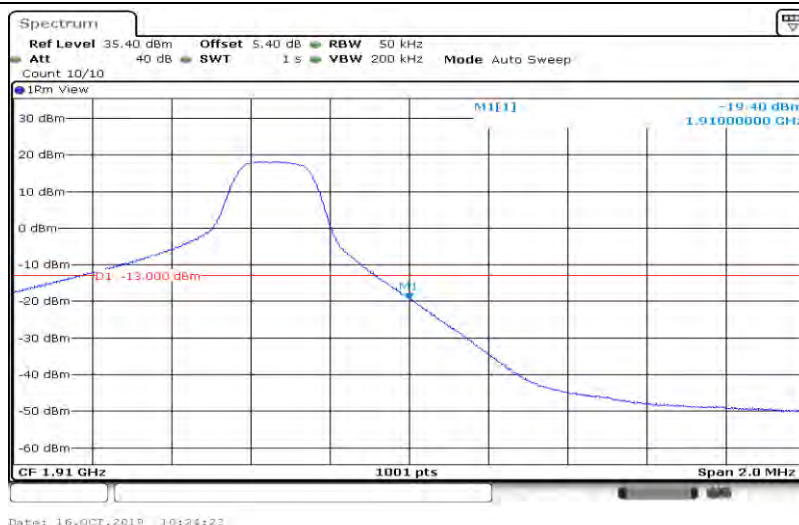


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Band2-5MHz-16QAM-19175-25RB#0



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



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





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



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



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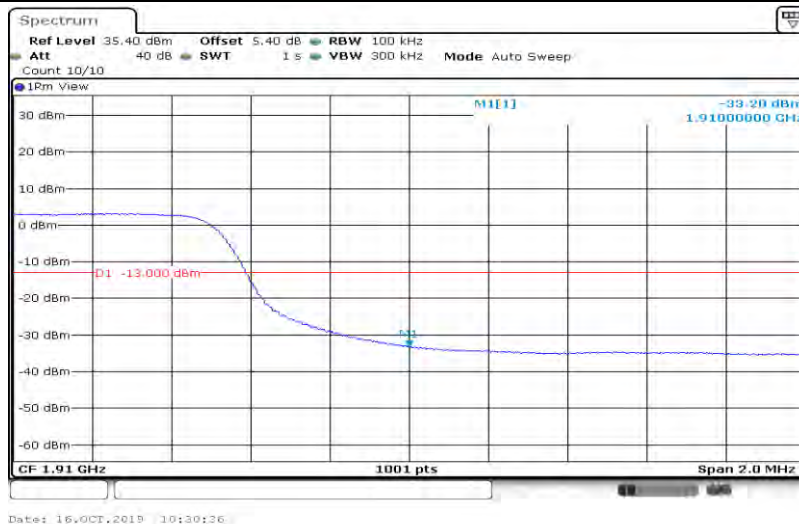


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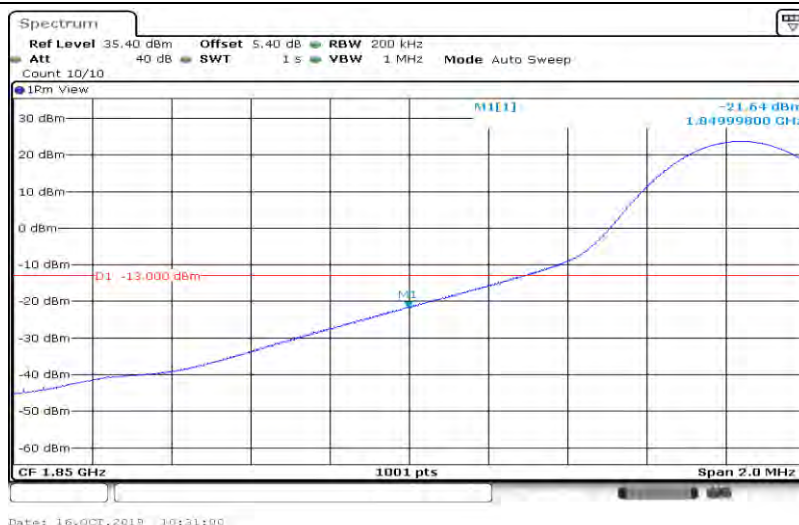


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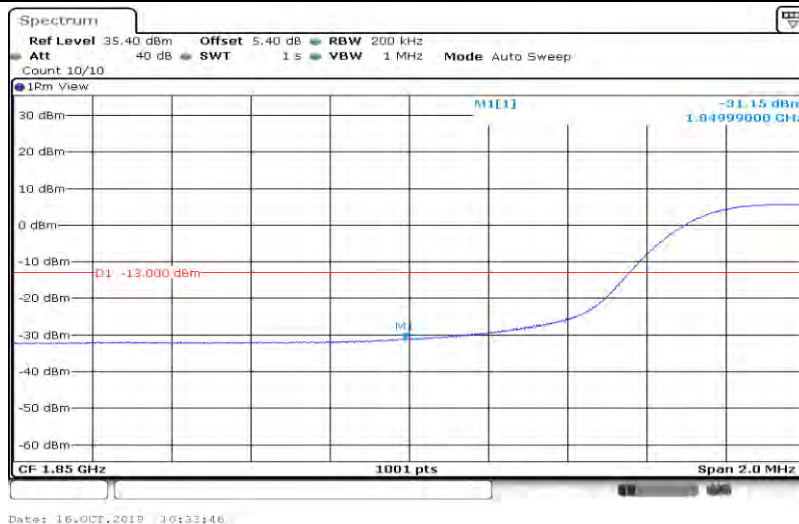


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Band2-15MHz-QPSK-18675-75RB#0



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

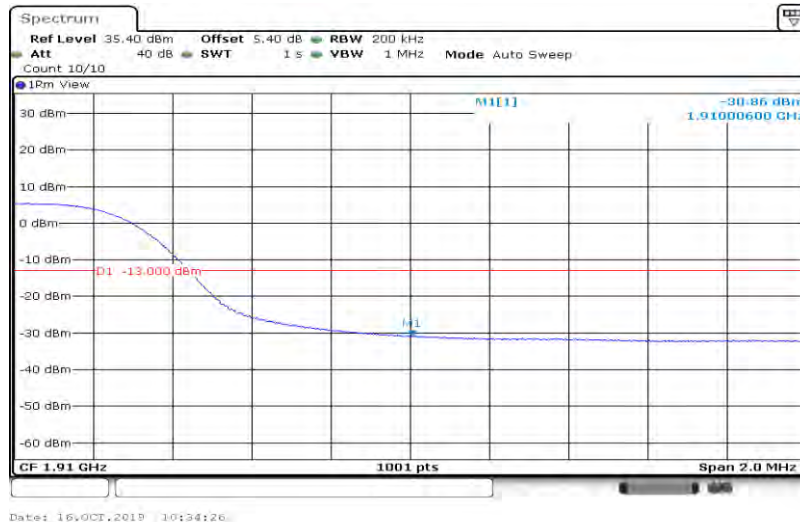


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Band2-15MHz-QPSK-19125-75RB#0



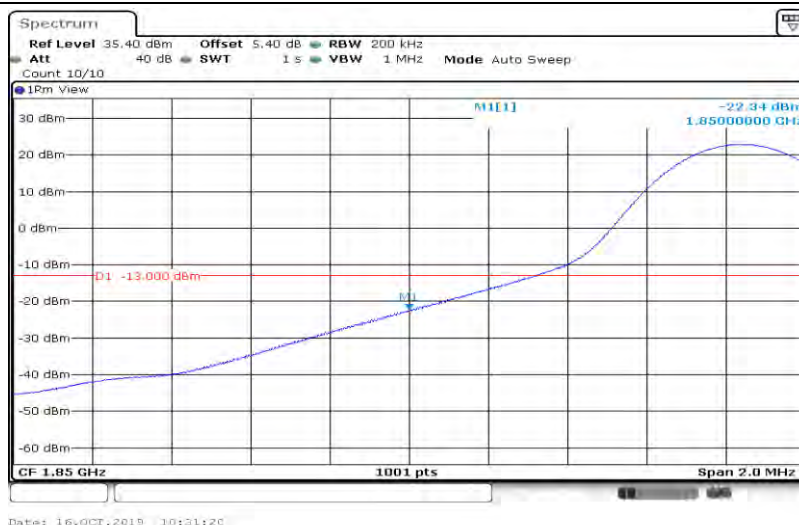
Band2-15MHz-16QAM-18675-1RB#0



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



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



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



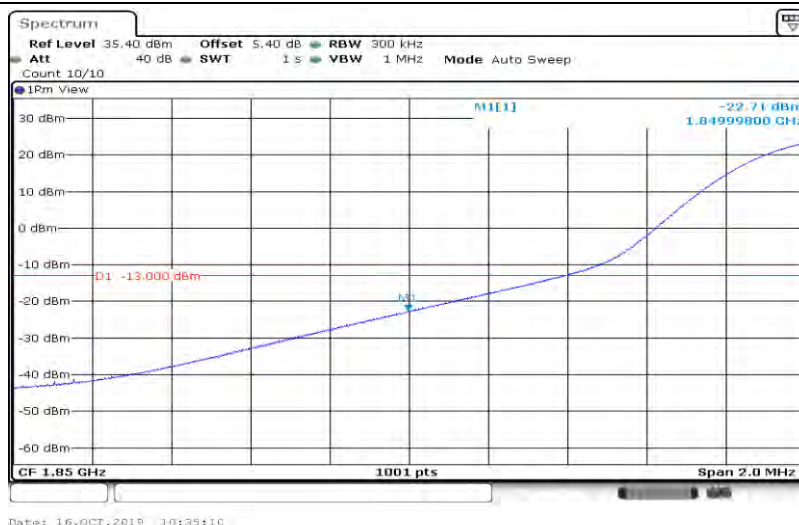
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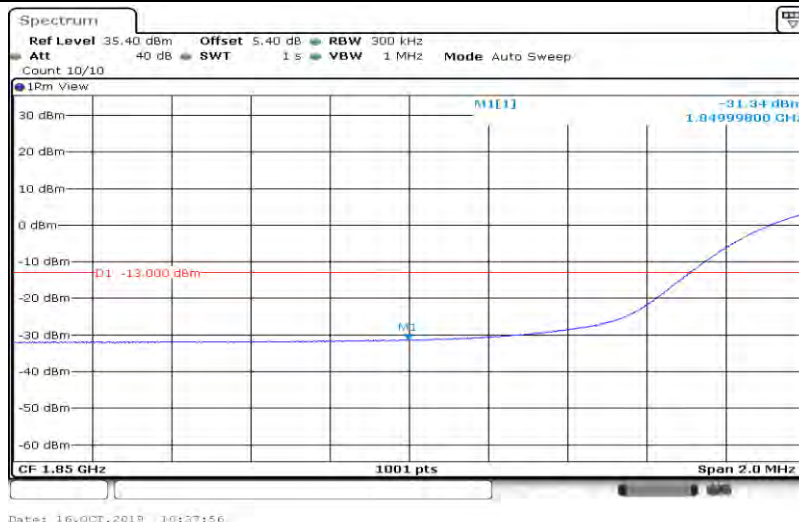
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Band2-20MHz-QPSK-18700-100RB#0



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



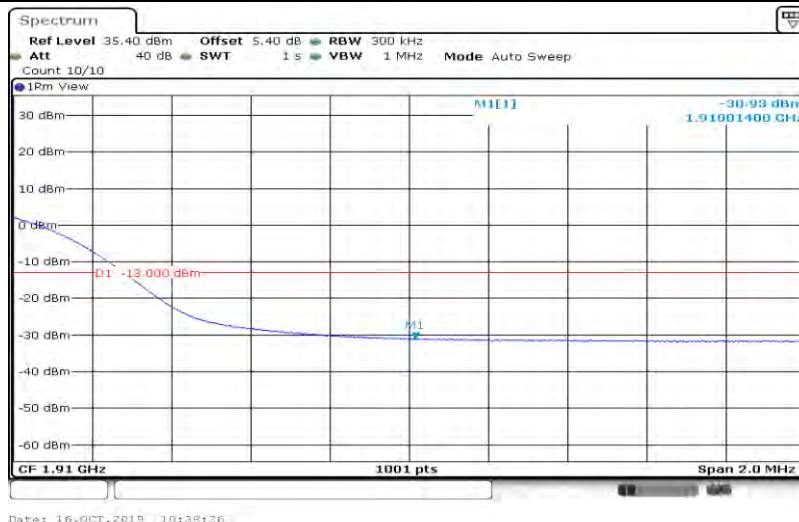
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Band2-20MHz-QPSK-19100-100RB#0



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



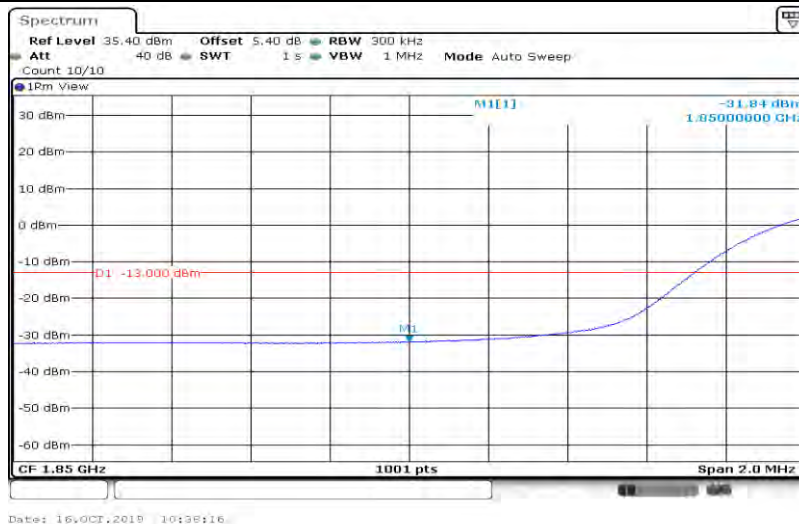
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Band2-20MHz-16QAM-18700-100RB#0



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



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



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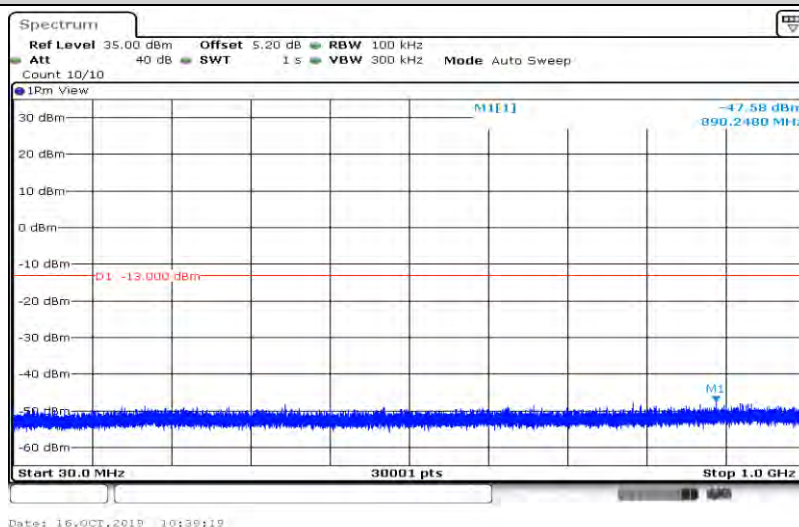
6. Spurious Emission at Antenna Terminal

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.

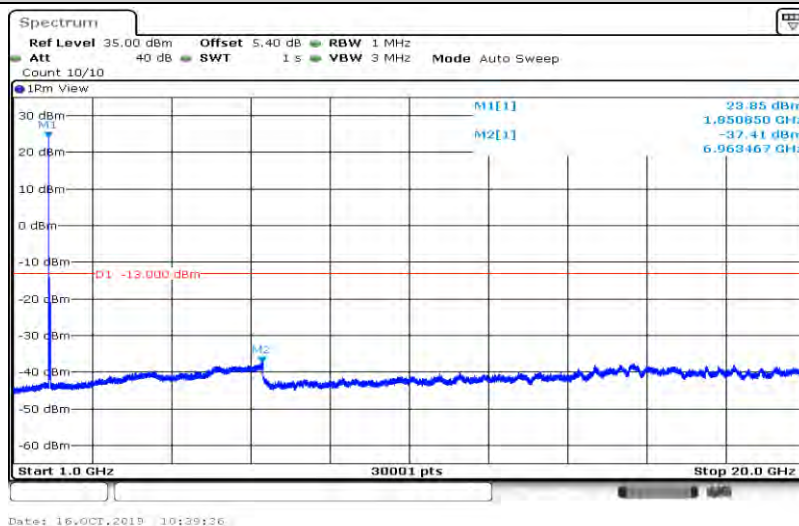
Remark2: only the worst case data displayed in this report.

6.1. Test Plots

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



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

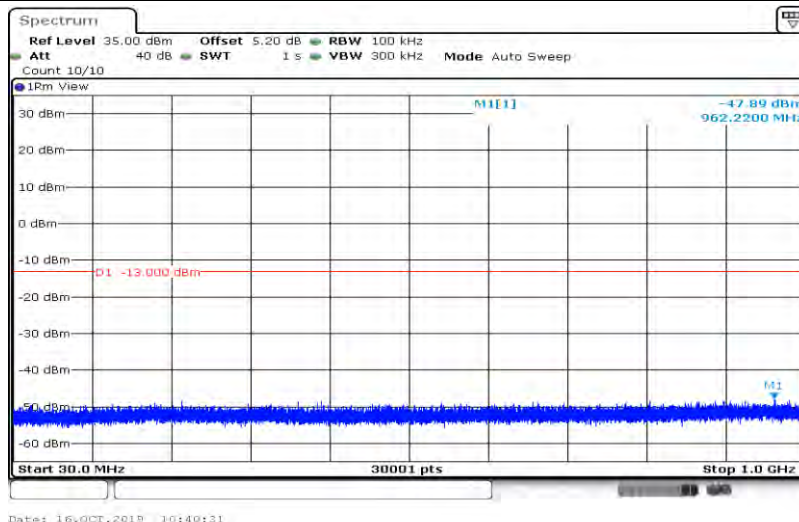


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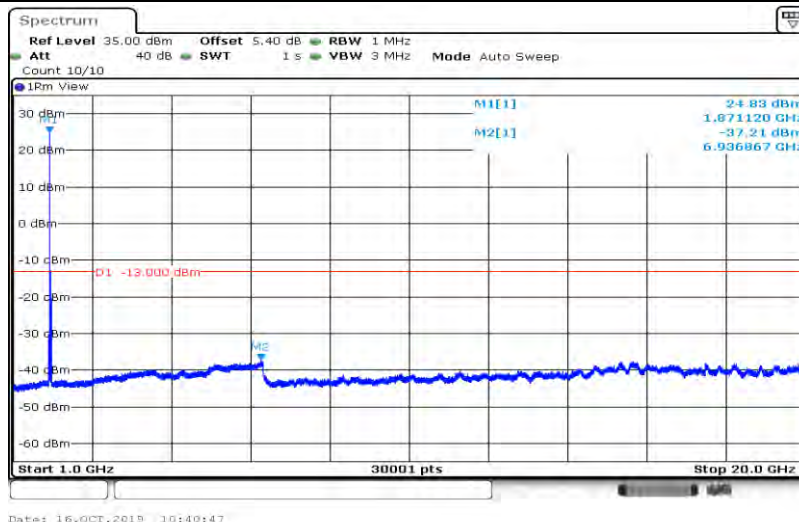


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Band2-20MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz

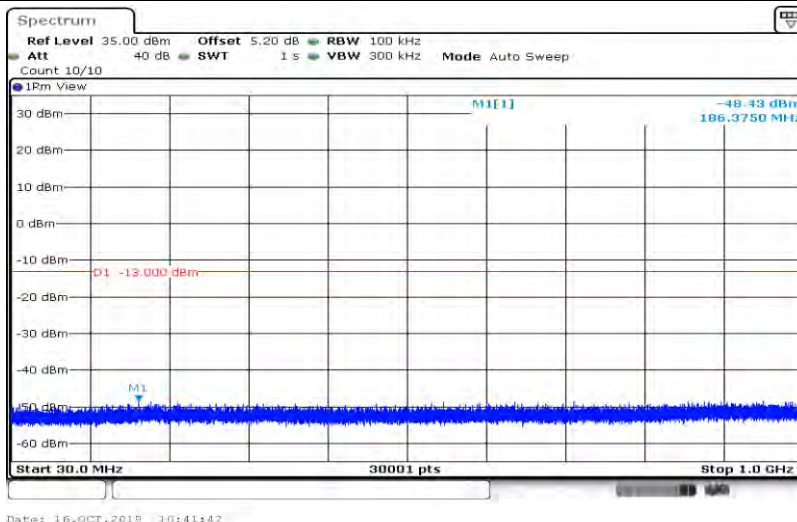


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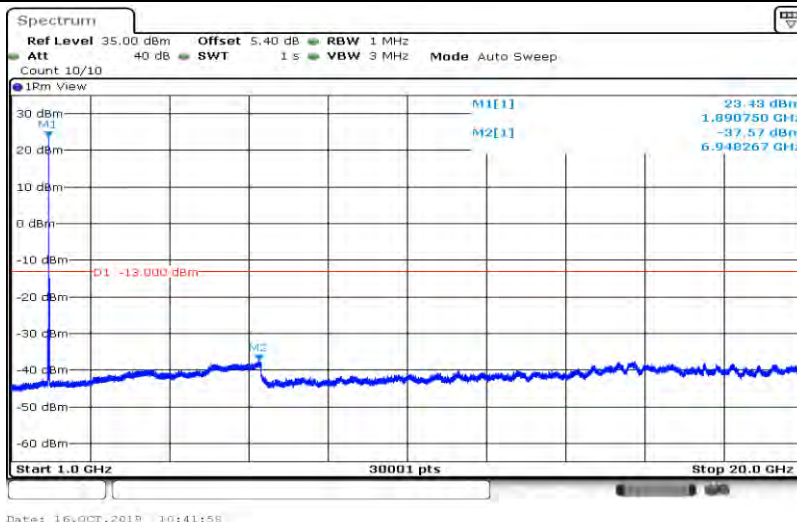


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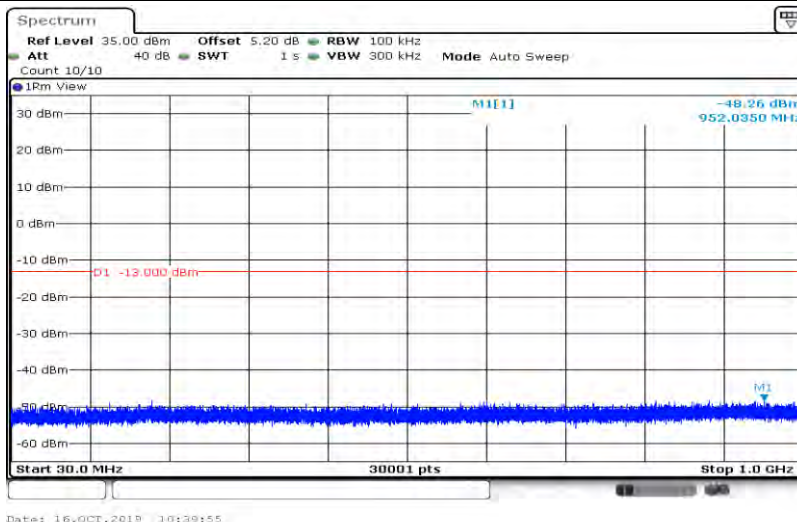


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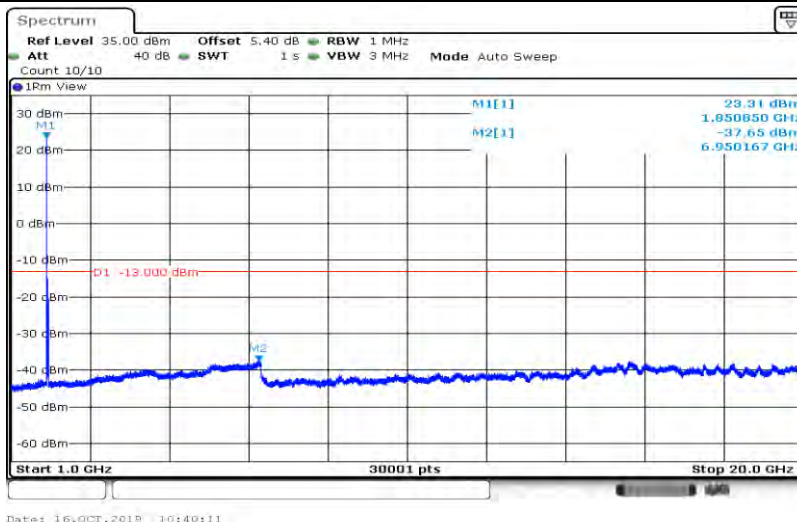


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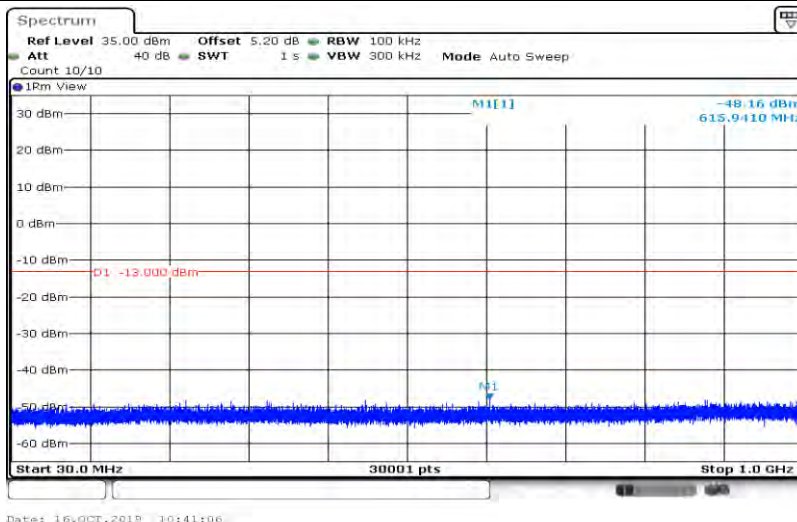


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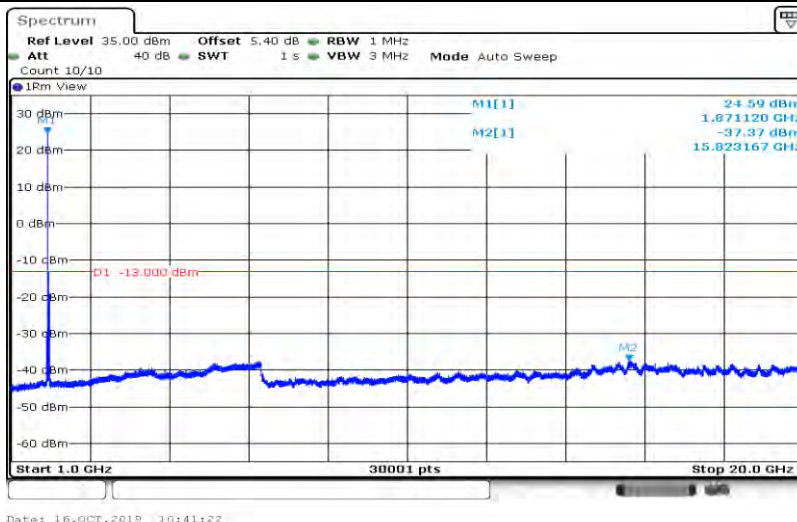
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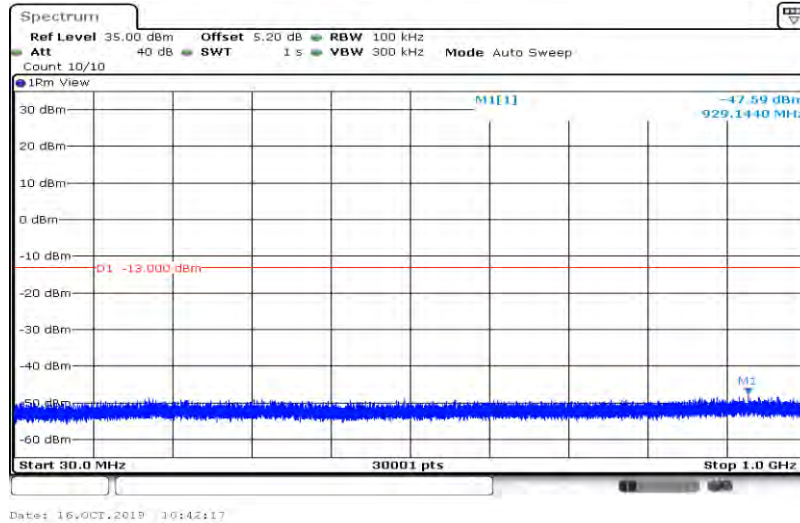
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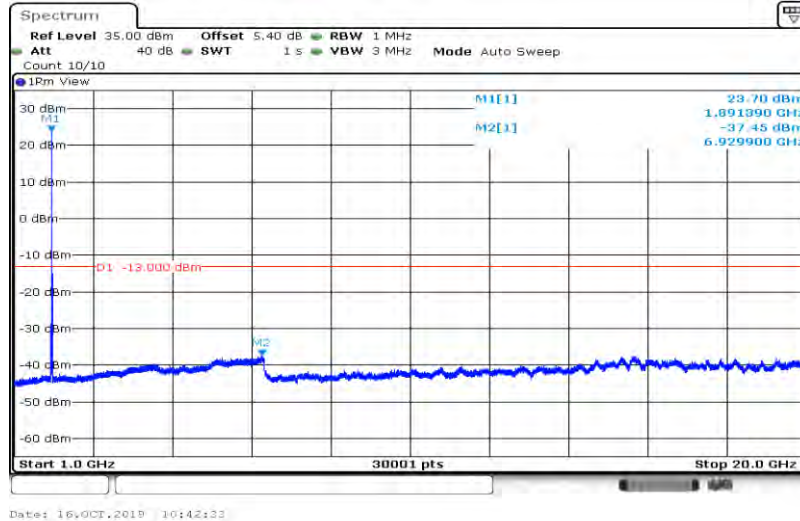
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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.7219	-69.93	-13.00	56.93	Vertical
115.9948	-64.37	-13.00	51.37	Vertical
442.1251	-66.27	-13.00	53.27	Vertical
2693.5387	-36.96	-13.00	23.96	Vertical
8474.1825	-51.80	-13.00	38.80	Vertical
17997.9999	-33.10	-13.00	20.10	Vertical
44.5022	-63.26	-13.00	50.26	Horizontal
236.2323	-64.18	-13.00	51.18	Horizontal
549.9460	-64.42	-13.00	51.42	Horizontal
2700.7401	-35.58	-13.00	22.58	Horizontal
8601.1867	-52.53	-13.00	39.53	Horizontal
17991.9997	-37.78	-13.00	24.78	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.7219	-69.60	-13.00	56.60	Vertical
109.6895	-64.40	-13.00	51.40	Vertical
382.9036	-67.29	-13.00	54.29	Vertical
2705.9412	-36.96	-13.00	23.96	Vertical
8488.6830	-52.38	-13.00	39.38	Vertical
17981.4994	-32.85	-13.00	19.85	Vertical
42.9501	-63.87	-13.00	50.87	Horizontal
250.1040	-66.87	-13.00	53.87	Horizontal
541.7006	-65.05	-13.00	52.05	Horizontal
2702.3405	-35.62	-13.00	22.62	Horizontal
5674.5892	-54.52	-13.00	41.52	Horizontal
16397.4466	-37.81	-13.00	24.81	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
52.4081	-71.46	-13.00	58.46	Vertical
111.4841	-64.29	-13.00	51.29	Vertical
347.4969	-67.75	-13.00	54.75	Vertical
2707.5415	-36.76	-13.00	23.76	Vertical
8560.6854	-51.49	-13.00	38.49	Vertical
17995.9999	-33.01	-13.00	20.01	Vertical
39.8460	-63.39	-13.00	50.39	Horizontal
242.0041	-67.48	-13.00	54.48	Horizontal
521.1356	-65.79	-13.00	52.79	Horizontal
2702.7405	-35.52	-13.00	22.52	Horizontal
8522.6841	-52.82	-13.00	39.82	Horizontal
16398.4466	-38.52	-13.00	25.52	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	-8.70	-0.004677	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	-0.80	-0.000430	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	1.80	0.000968	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-4.00	-0.002128	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-16.90	-0.008989	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-1.20	-0.000638	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	-19.40	-0.010211	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-13.10	-0.006895	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-2.60	-0.001368	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	-3.80	-0.002043	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	-1.90	-0.001022	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	8.30	0.004462	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-4.50	-0.002394	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-5.60	-0.002979	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	-5.50	-0.002926	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	-3.80	-0.002000	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	-9.70	-0.005105	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	3.20	0.001684	±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	0.90	0.000484	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	-11.70	-0.006290	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	1.30	0.000699	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	-1.10	-0.000591	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	-9.40	-0.005054	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	-2.70	-0.001452	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	7.60	0.004086	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	-8.20	-0.004409	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-10.80	-0.005745	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-5.70	-0.003032	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-1.40	-0.000745	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	6.50	0.003457	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-15.70	-0.008351	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-10.20	-0.005426	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-4.80	-0.002553	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-4.60	-0.002447	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-5.20	-0.002737	±2.5	PASS



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Band2	20MHz	QPSK	19100	100RB#0	NV	-20	0.70	0.000368	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	-2.10	-0.001105	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-16.20	-0.008526	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-3.90	-0.002053	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	-26.60	-0.014000	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	-8.50	-0.004474	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	1.40	0.000737	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	-4.10	-0.002204	±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	0.00	0.000000	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	-1.40	-0.000753	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	-28.40	-0.015269	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	-8.20	-0.004409	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	-8.50	-0.004570	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	-4.20	-0.002258	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-13.20	-0.007021	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-27.10	-0.014415	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-5.70	-0.003032	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	4.10	0.002181	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-8.60	-0.004574	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-11.80	-0.006277	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	-2.00	-0.001064	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-3.00	-0.001596	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-9.50	-0.005000	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	2.70	0.001421	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	-6.10	-0.003211	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	0.20	0.000105	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	-12.10	-0.006368	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	-1.20	-0.000632	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-0.50	-0.000263	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-12.10	-0.006368	±2.5	PASS

The End



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