



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	22.62	22.49	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.67	22.54	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.60	22.47	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	22.52	22.39	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	22.68	22.55	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	22.62	22.49	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.63	21.50	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.61	22.48	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.59	22.46	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.51	22.38	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	22.65	22.52	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	22.52	22.39	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	22.55	22.42	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.60	21.47	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.53	22.40	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.69	22.56	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.63	22.50	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	22.54	22.41	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	22.52	22.39	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	22.64	22.51	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.57	21.44	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	21.55	21.42	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	21.50	21.37	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	21.66	21.53	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	21.67	21.54	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	21.52	21.39	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	21.57	21.44	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	20.58	20.45	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	21.53	21.40	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	21.52	21.39	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.52	21.39	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	21.65	21.52	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	21.61	21.48	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	21.56	21.43	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	20.65	20.52	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	21.51	21.38	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	21.60	21.47	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	21.55	21.42	33.00	PASS



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Band2	1.4MHz	16QAM	19193	3RB#3	21.65	21.52	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	21.50	21.37	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	21.68	21.55	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	20.53	20.40	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.67	22.54	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.55	22.42	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.57	22.44	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	21.53	21.40	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	21.64	21.51	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	21.52	21.39	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.68	21.55	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.54	22.41	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.63	22.50	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.56	22.43	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	21.70	21.57	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	21.60	21.47	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	21.58	21.45	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.51	21.38	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.50	22.37	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	22.56	22.43	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.63	22.50	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#4	21.68	21.55	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	21.58	21.45	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	21.53	21.40	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.59	21.46	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	21.65	21.52	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.53	21.40	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	21.64	21.51	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	20.63	20.50	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	20.52	20.39	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	20.64	20.51	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	20.53	20.40	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	21.50	21.37	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	21.66	21.53	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	21.70	21.57	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	20.57	20.44	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	20.63	20.50	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	20.63	20.50	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	20.51	20.38	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	21.69	21.56	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	21.60	21.47	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	21.56	21.43	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	20.66	20.53	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	20.53	20.40	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#4	20.70	20.57	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.53	20.40	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.67	22.54	33.00	PASS



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Band2	5MHz	QPSK	18625	1RB#12	22.59	22.46	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.52	22.39	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	21.64	21.51	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	21.57	21.44	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	21.53	21.40	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	21.58	21.45	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.65	22.52	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.60	22.47	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	22.67	22.54	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	21.55	21.42	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	21.58	21.45	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	21.60	21.47	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	21.52	21.39	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.59	22.46	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	22.60	22.47	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.54	22.41	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	21.67	21.54	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	21.61	21.48	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	21.65	21.52	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	21.69	21.56	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	21.55	21.42	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	21.65	21.52	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	21.68	21.55	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	20.68	20.55	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#0	20.51	20.38	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	20.69	20.56	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	20.64	20.51	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	21.61	21.48	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	21.65	21.52	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	21.60	21.47	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	20.53	20.40	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	20.54	20.41	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	20.60	20.47	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	20.56	20.43	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.51	21.38	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.57	21.44	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	21.63	21.50	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	20.68	20.55	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	20.51	20.38	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	20.57	20.44	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	20.69	20.56	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.65	22.52	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	22.52	22.39	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.69	22.56	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#12	21.65	21.52	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#0	21.62	21.49	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	21.69	21.56	33.00	PASS



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Band2	10MHz	QPSK	18650	50RB#0	21.52	21.39	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.69	22.56	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.66	22.53	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	22.69	22.56	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	21.58	21.45	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	21.54	21.41	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	21.61	21.48	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	21.67	21.54	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.51	22.38	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.57	22.44	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	22.66	22.53	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	21.60	21.47	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	21.55	21.42	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#12	21.57	21.44	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	21.54	21.41	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	21.69	21.56	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	21.70	21.57	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	21.67	21.54	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	20.51	20.38	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	20.51	20.38	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	20.65	20.52	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	20.68	20.55	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	21.51	21.38	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	21.67	21.54	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	21.62	21.49	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#25	20.68	20.55	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#12	20.68	20.55	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#0	20.53	20.40	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	20.55	20.42	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.59	21.46	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	21.60	21.47	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	21.52	21.39	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	20.58	20.45	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	20.58	20.45	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	20.69	20.56	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	20.62	20.49	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.62	22.49	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.52	22.39	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.68	22.55	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	21.64	21.51	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	21.63	21.50	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	21.56	21.43	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	21.58	21.45	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.51	22.38	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	22.63	22.50	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.65	22.52	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	21.62	21.49	33.00	PASS



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Band2	15MHz	QPSK	18900	36RB#39	21.63	21.50	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	21.54	21.41	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	21.51	21.38	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.56	22.43	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	22.69	22.56	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	22.56	22.43	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	21.70	21.57	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	21.63	21.50	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	21.62	21.49	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	21.64	21.51	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	21.53	21.40	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	21.64	21.51	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	21.61	21.48	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#0	20.51	20.38	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	20.63	20.50	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	20.52	20.39	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	20.60	20.47	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	21.67	21.54	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	21.57	21.44	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	21.63	21.50	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	20.69	20.56	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	20.56	20.43	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	20.64	20.51	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	20.61	20.48	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.70	21.57	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.54	21.41	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	21.57	21.44	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	20.61	20.48	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	20.67	20.54	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	20.55	20.42	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	20.51	20.38	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.52	22.39	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	22.59	22.46	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.64	22.51	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	21.62	21.49	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#0	21.55	21.42	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	21.54	21.41	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.70	21.57	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.63	22.50	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.55	22.42	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	22.61	22.48	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	21.64	21.51	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	21.62	21.49	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#50	21.58	21.45	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.67	21.54	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.54	22.41	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	22.64	22.51	33.00	PASS



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Band2	20MHz	QPSK	19100	1RB#99	22.62	22.49	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	21.64	21.51	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	21.66	21.53	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	21.53	21.40	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	21.61	21.48	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.54	21.41	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	21.57	21.44	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.59	21.46	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	20.53	20.40	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	20.62	20.49	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	20.60	20.47	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	20.54	20.41	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.56	21.43	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	21.50	21.37	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	21.55	21.42	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	20.58	20.45	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	20.56	20.43	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	20.59	20.46	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	20.58	20.45	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	21.60	21.47	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.62	21.49	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.54	21.41	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	20.52	20.39	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	20.65	20.52	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	20.62	20.49	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	20.52	20.39	33.00	PASS

Remark:

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

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

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



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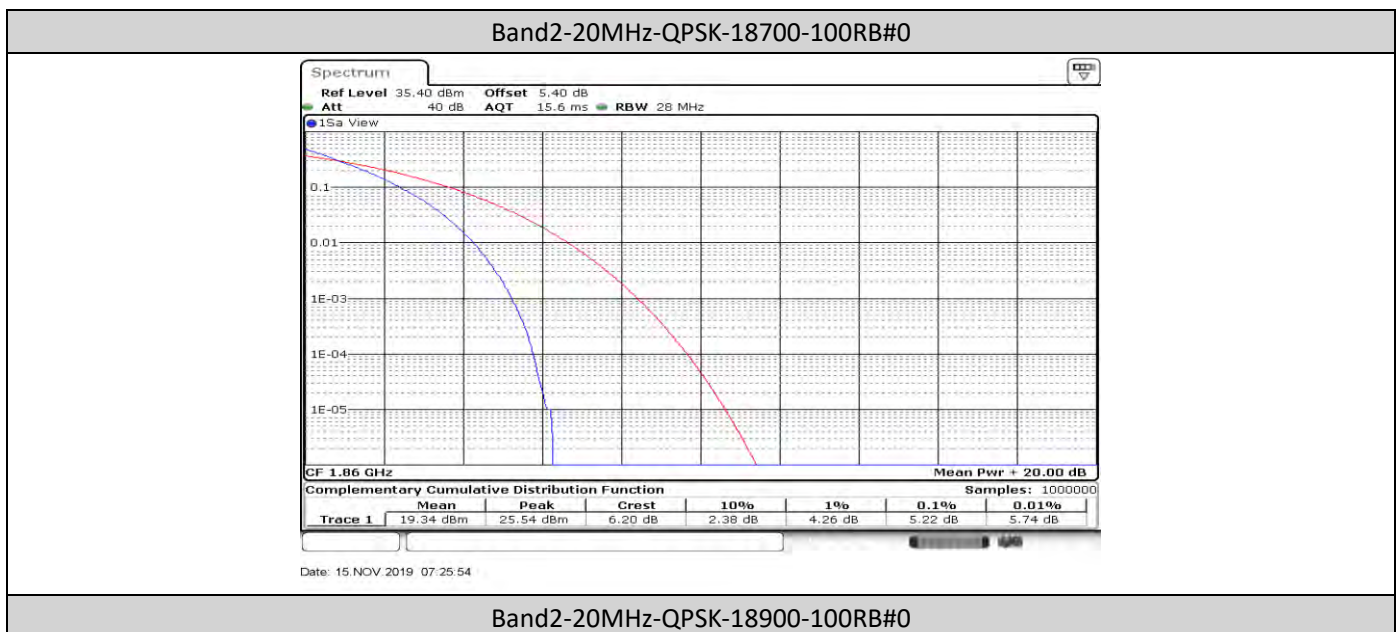


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	5.22	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.13	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.10	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.12	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.00	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.88	13	PASS

2.2. Test Plots





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



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



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



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



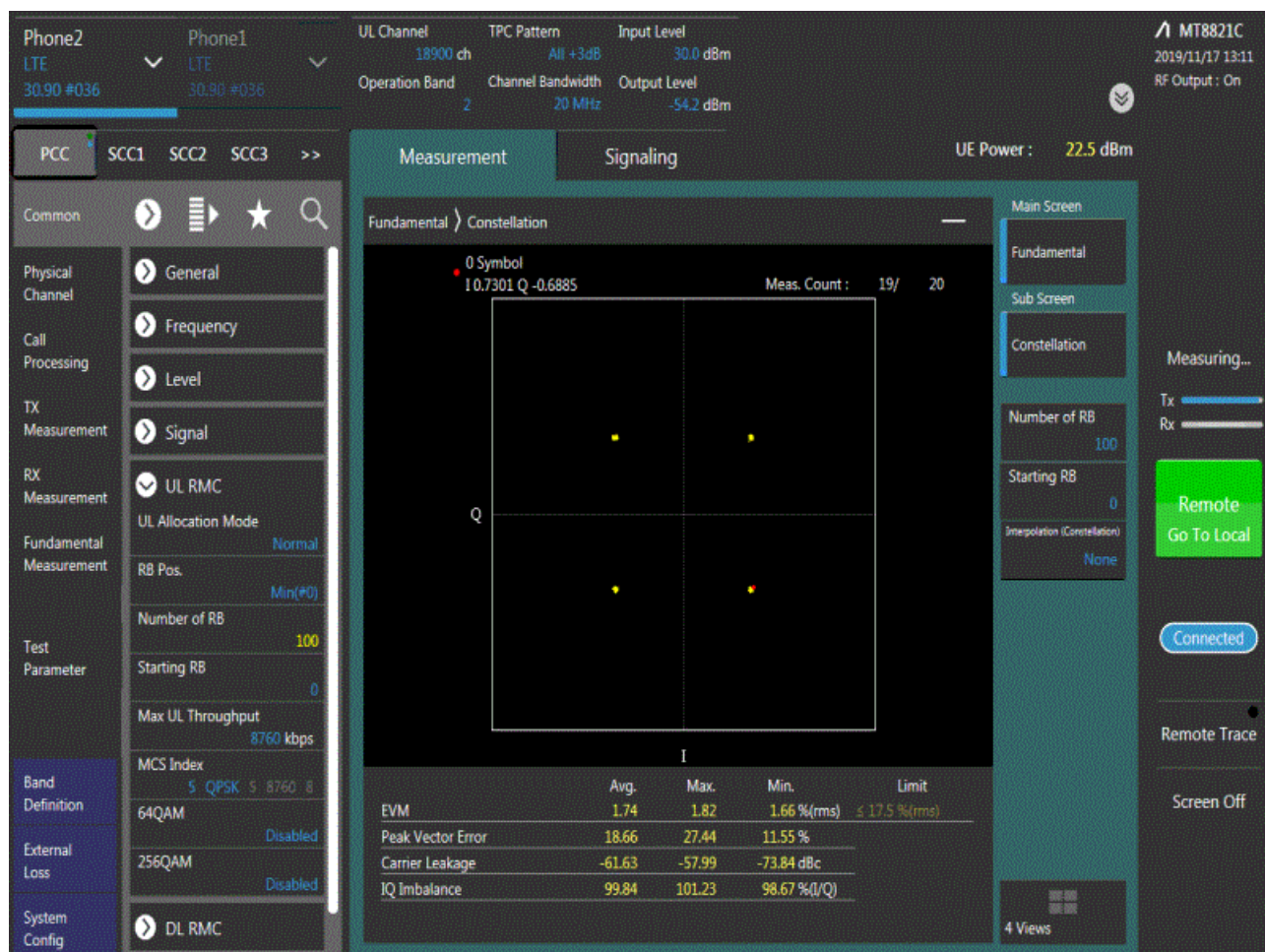




3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

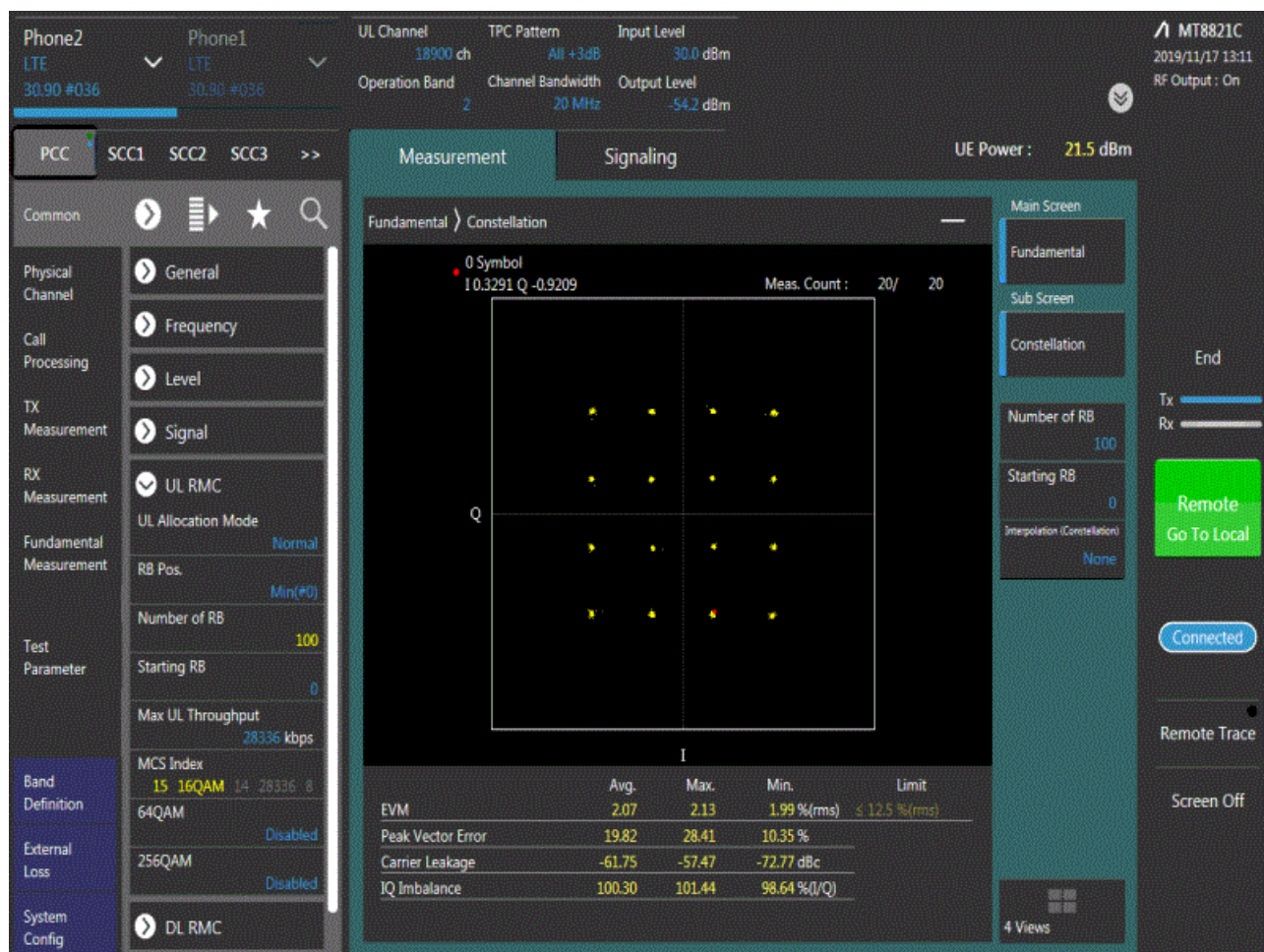
3.1.1. Test Channel = MCH





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	1.103	1.305	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.094	1.320	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.091	1.317	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.097	1.296	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.091	1.281	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.097	1.317	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.691	2.910	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.691	2.916	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.685	2.910	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.685	2.910	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.685	2.904	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.685	2.928	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.466	4.850	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.486	4.860	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.476	4.880	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.476	4.900	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.486	4.860	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.476	4.820	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.951	9.660	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.951	9.620	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.951	9.700	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.951	9.720	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.951	9.620	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.931	9.600	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.457	14.790	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.487	14.730	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.487	14.820	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.487	14.790	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.487	14.730	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.487	14.700	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.902	19.560	PASS



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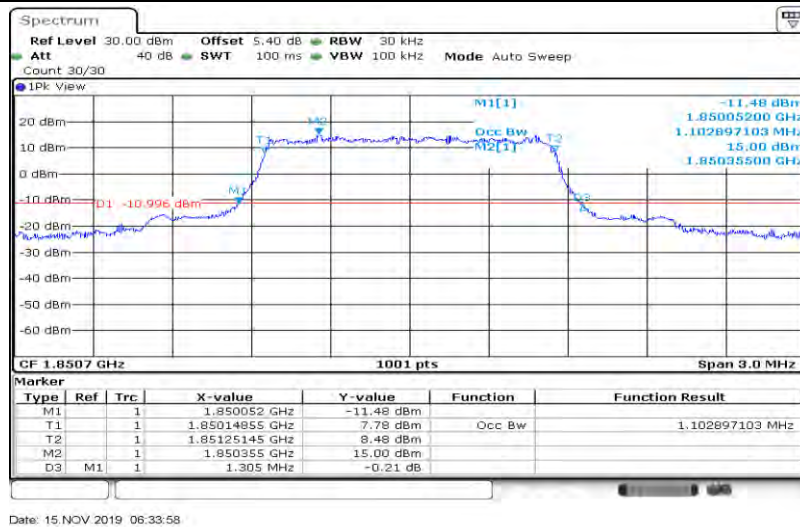
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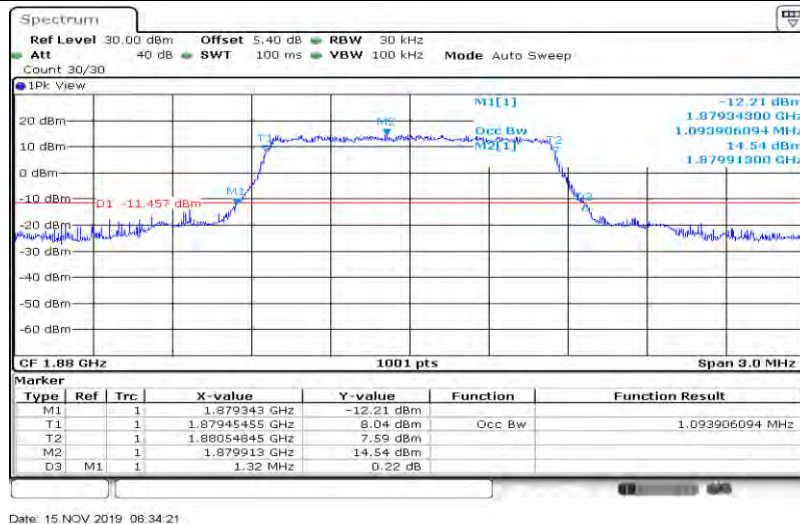
Band2	20MHz	QPSK	18900	100RB#0	17.942	19.360	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.862	19.240	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.902	19.240	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.942	19.360	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.942	19.280	PASS

4.2. Test Plots

Band2-1.4MHz-QPSK-18607-6RB#0-1.103



Band2-1.4MHz-QPSK-18900-6RB#0-1.094

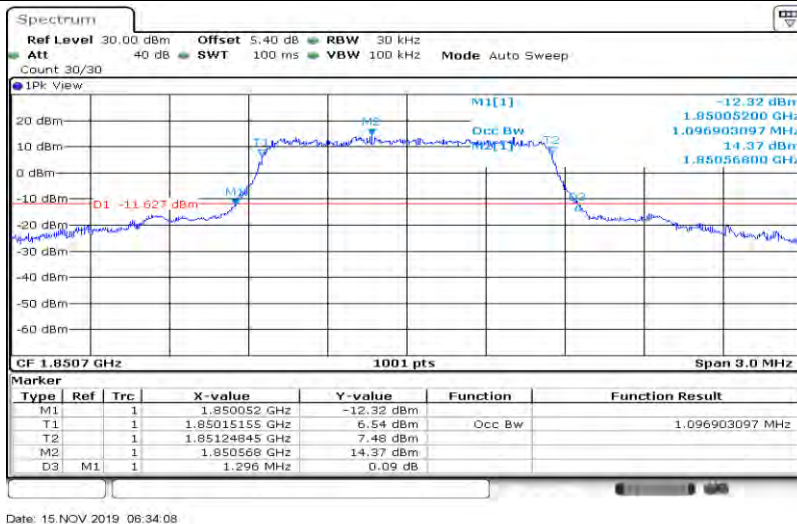


Band2-1.4MHz-QPSK-19193-6RB#0-1.091





Band2-1.4MHz-16QAM-18607-6RB#0-1.097

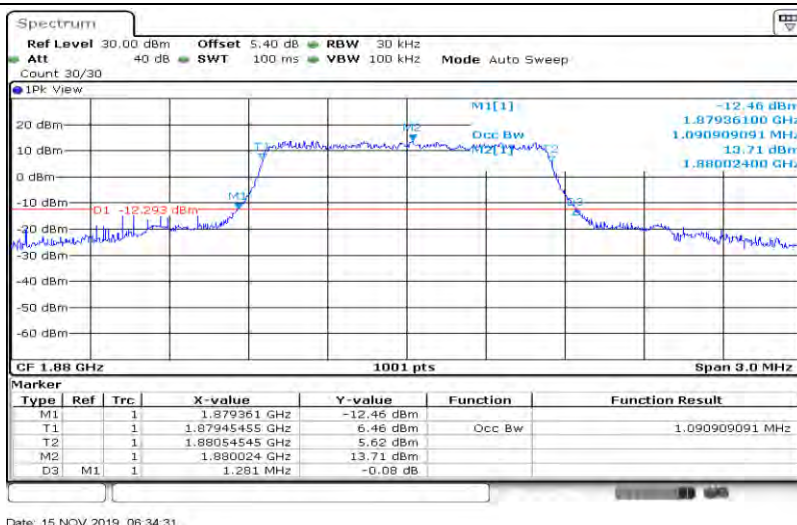


Band2-1.4MHz-16QAM-18900-6RB#0-1.091

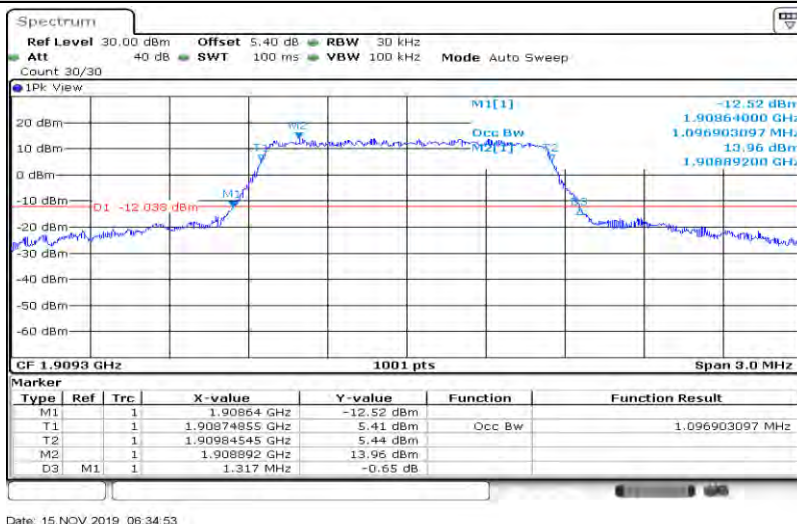


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Band2-1.4MHz-16QAM-19193-6RB#0-1.097



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



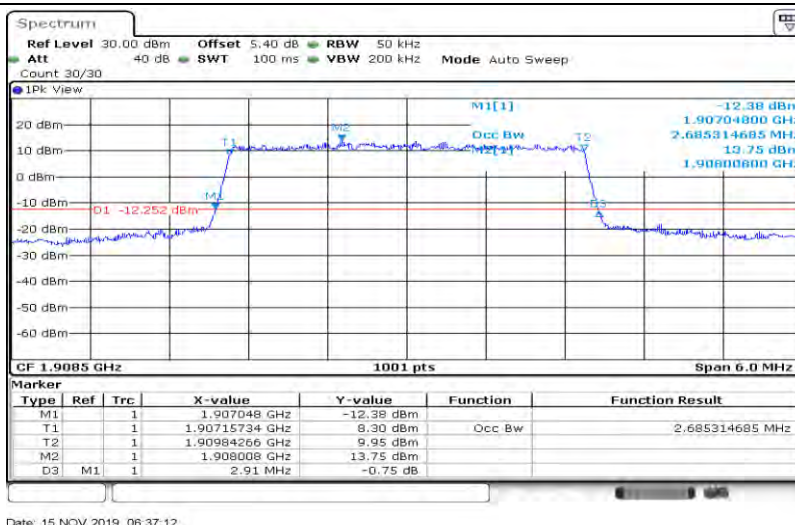


Band2-3MHz-QPSK-18900-15RB#0-2.691

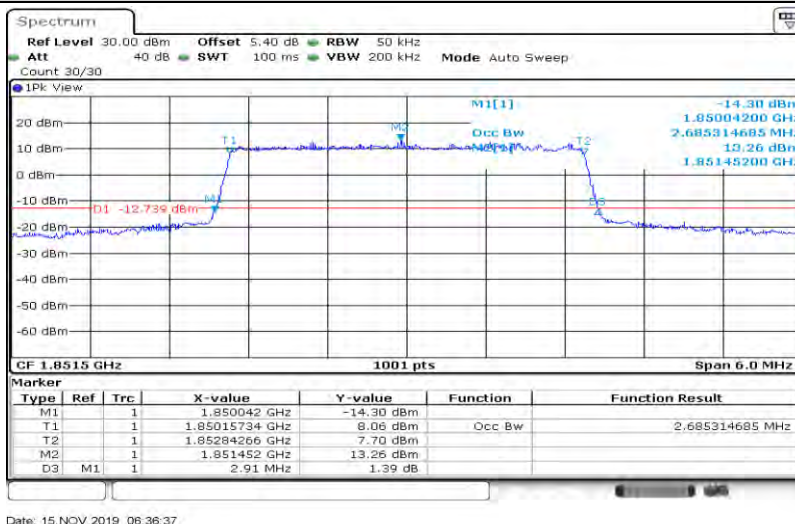


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Band2-3MHz-16OAM-18615-15RB#0-2.685

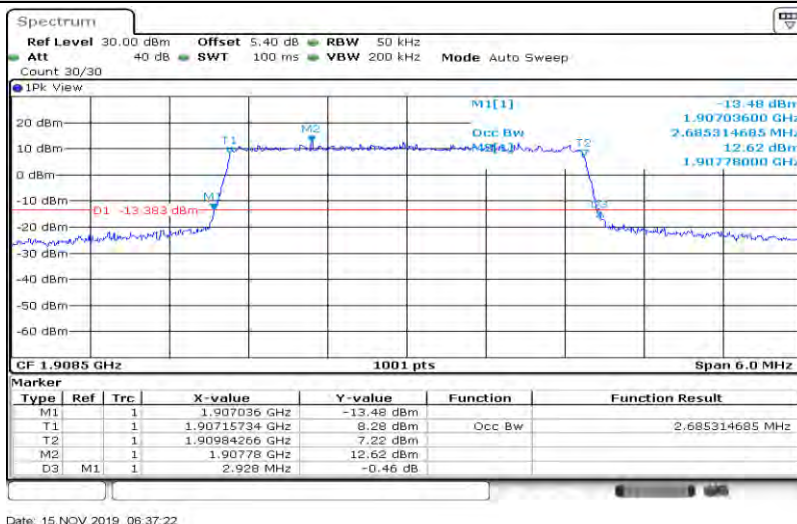


Band2-3MHz-16QAM-18900-15RB#0-2.685





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



Band2-5MHz-QPSK-18625-25RB#0-4.466





Band2-5MHz-QPSK-18900-25RB#0-4.486

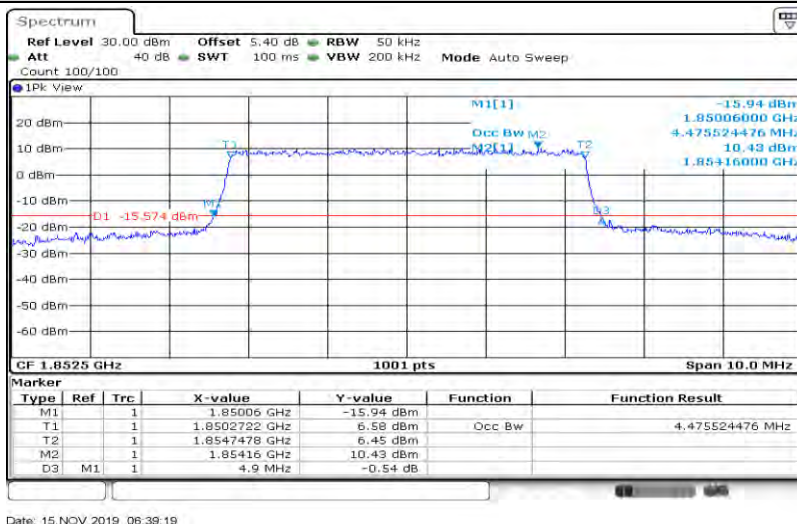


Band2-5MHz-QPSK-19175-25RB#0-4.476



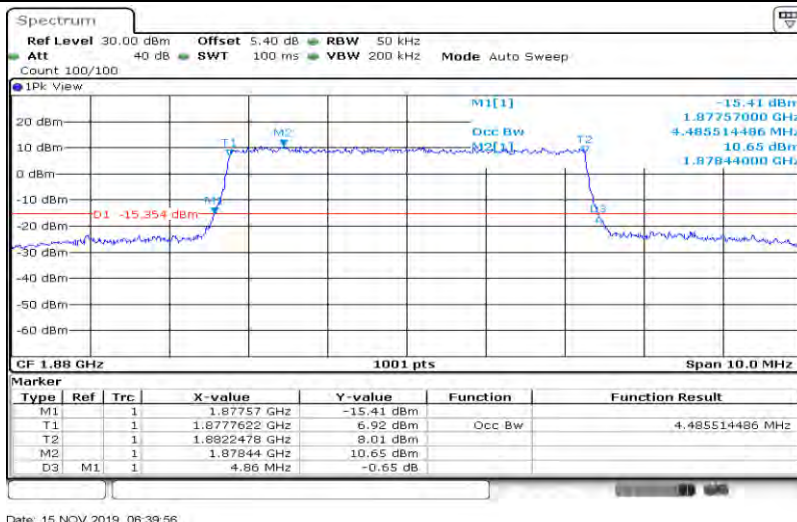


Band2-5MHz-16QAM-18625-25RB#0-4.476

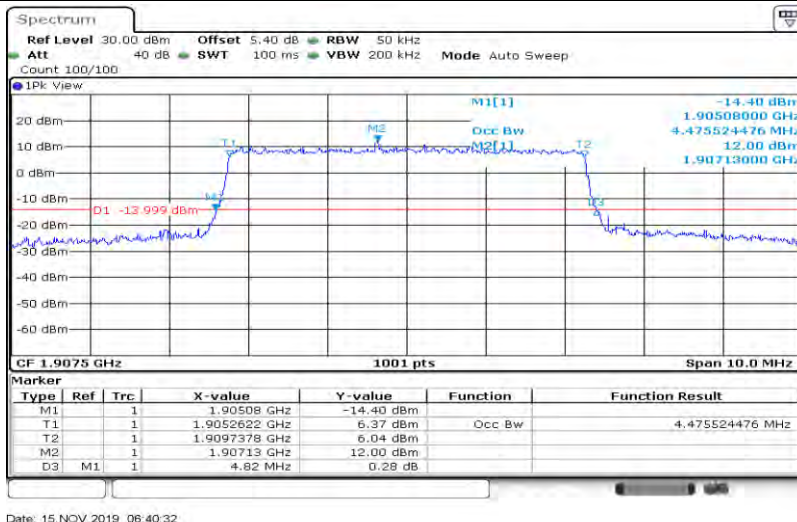


Band2-5MHz-16QAM-18900-25RB#0-4.486



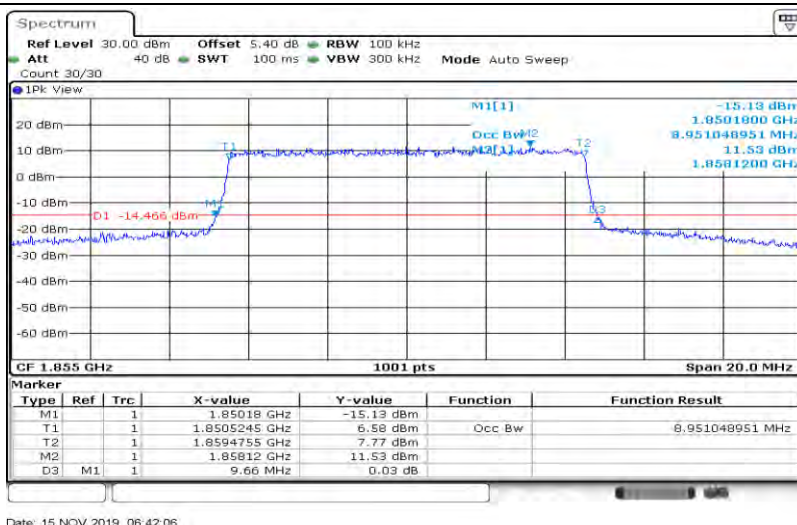


Band2-5MHz-16QAM-19175-25RB#0-4.476

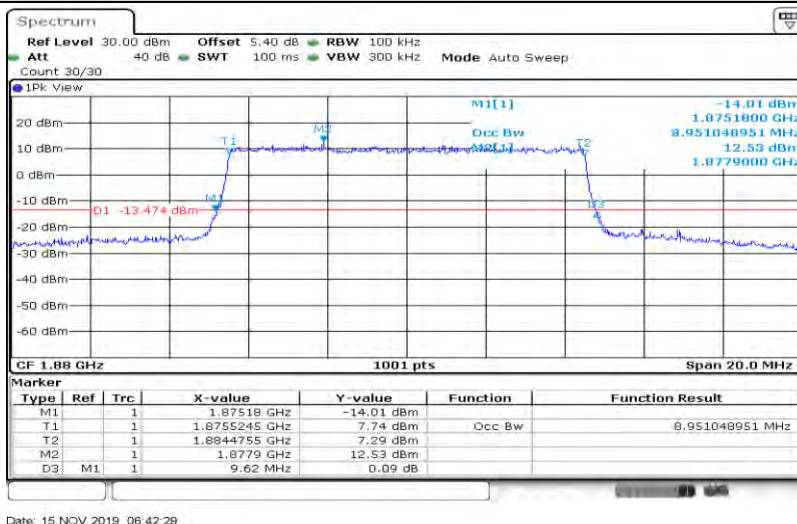


Band2-10MHz-QPSK-18650-50RB#0-8.951



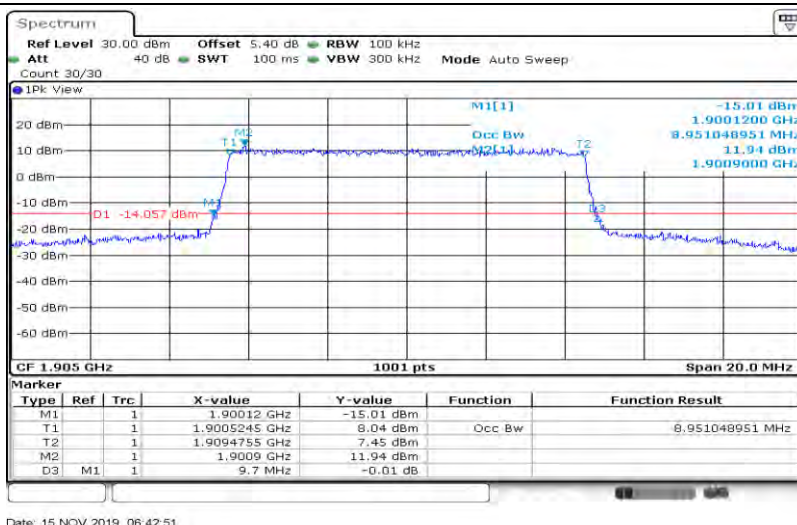


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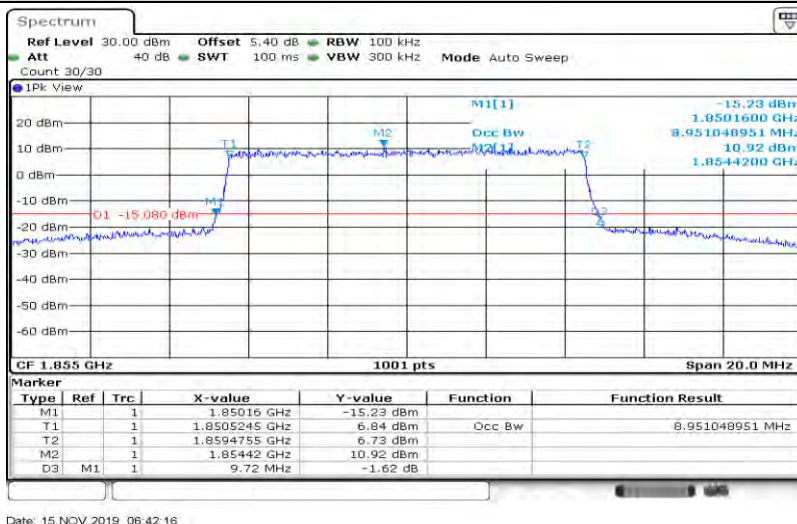


Band2-10MHz-QPSK-19150-50RB#0-8.951



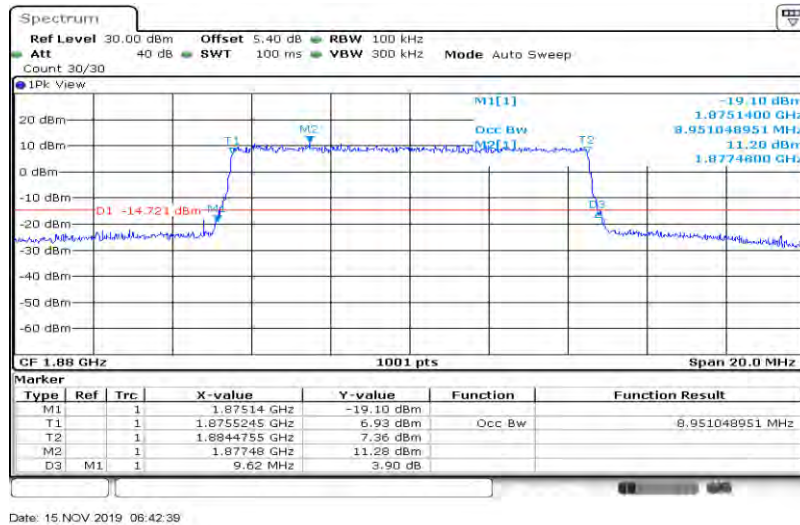


Band2-10MHz-16QAM-18650-50RB#0-8.951

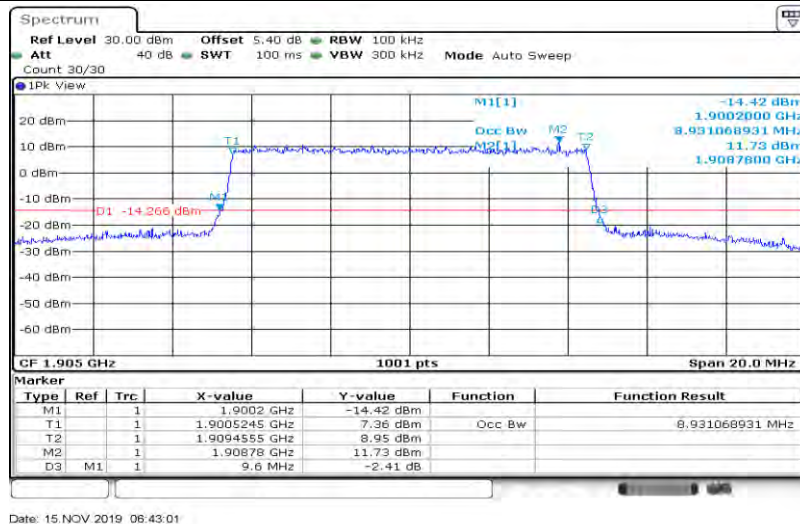


Band2-10MHz-16QAM-18900-50RB#0-8.951





Band2-10MHz-16QAM-19150-50RB#0-8.931



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



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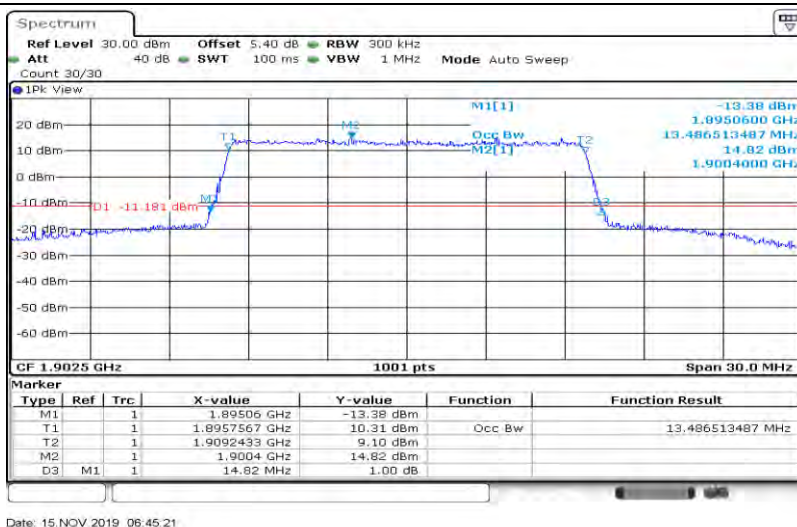


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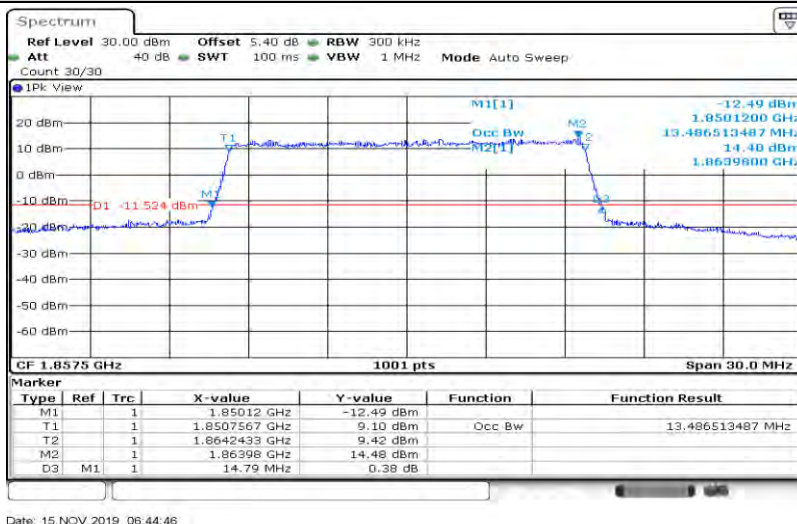


Band2-15MHz-QPSK-19125-75RB#0-13.487



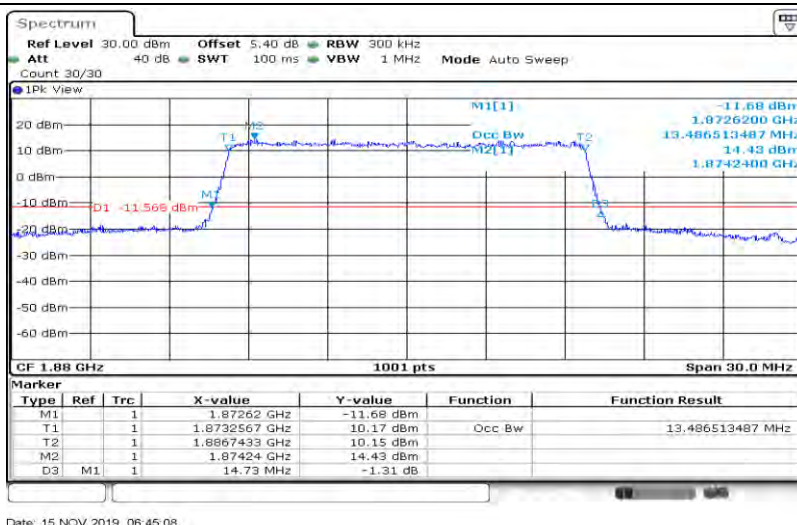


Band2-15MHz-16QAM-18675-75RB#0-13.487

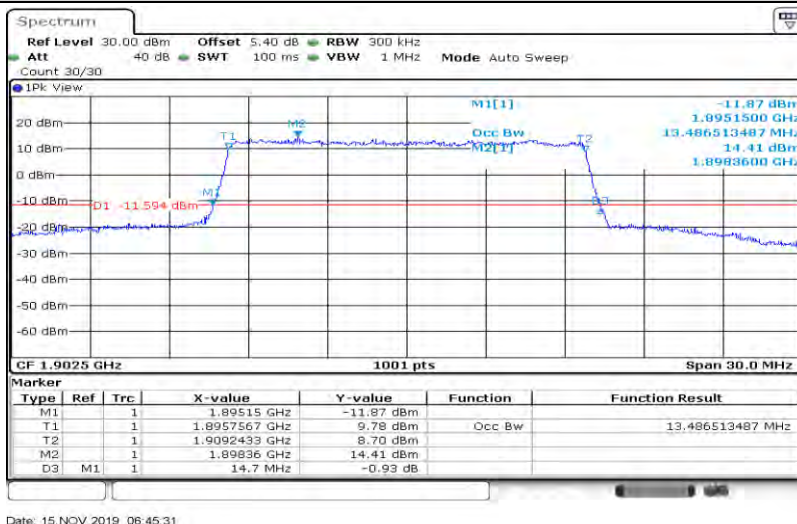


Band2-15MHz-16QAM-18900-75RB#0-13.487



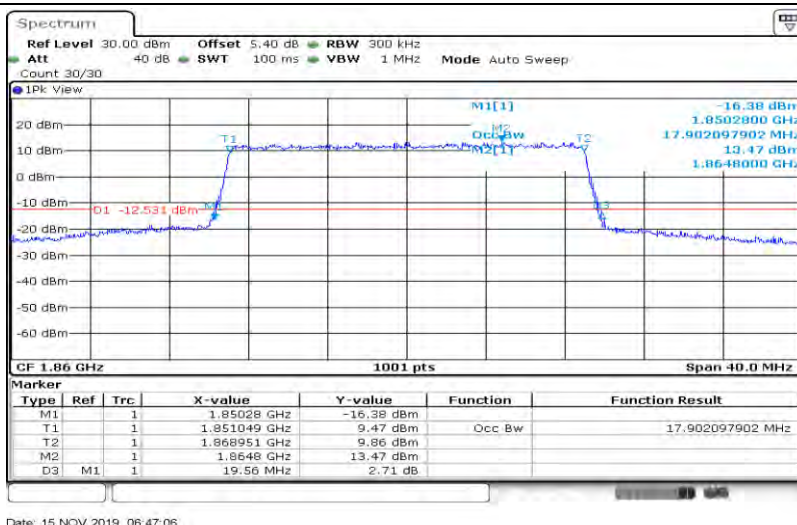


Band2-15MHz-16QAM-19125-75RB#0-13.487



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



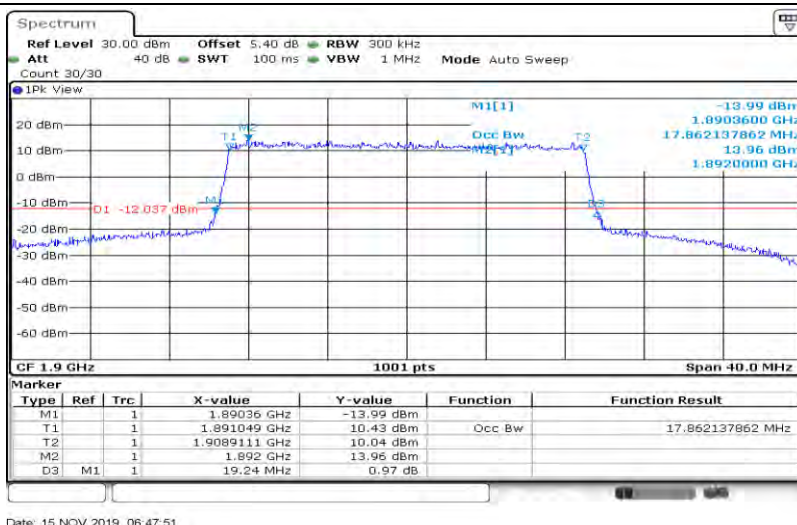


Band2-20MHz-QPSK-18900-100RB#0-17.942

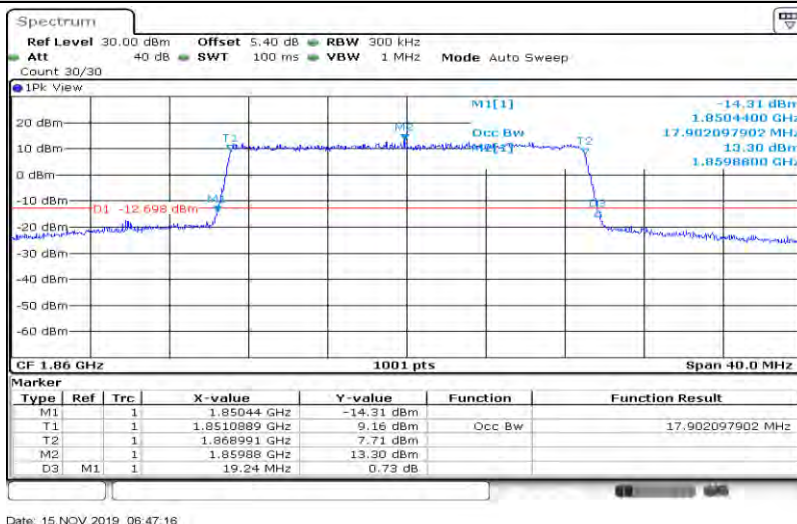


Band2-20MHz-QPSK-19100-100RB#0-17.862





Band2-20MHz-16QAM-18700-100RB#0-17.902



Band2-20MHz-16QAM-18900-100RB#0-17.942





Band2-20MHz-16QAM-19100-100RB#0-17.942





5. Band Edge Compliance

5.1. Test Plots

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



Date: 15, NOV 2019 06:49:45

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



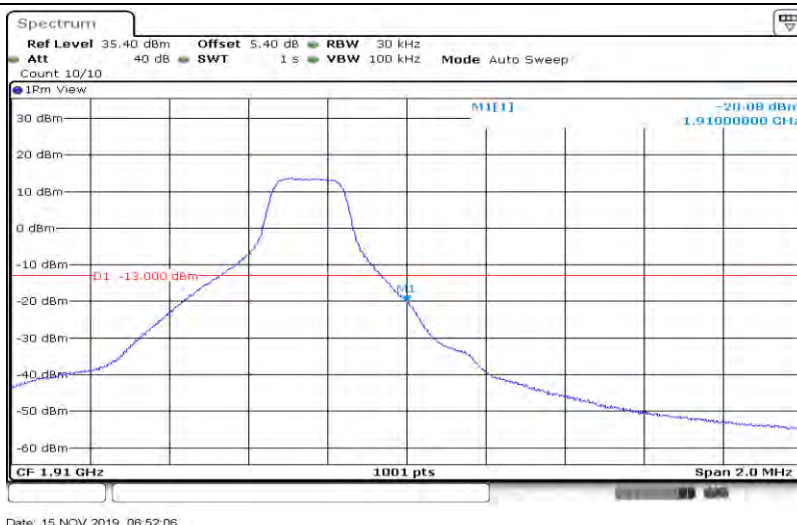
Date: 15, NOV 2019 08:54:27

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





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



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





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



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





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

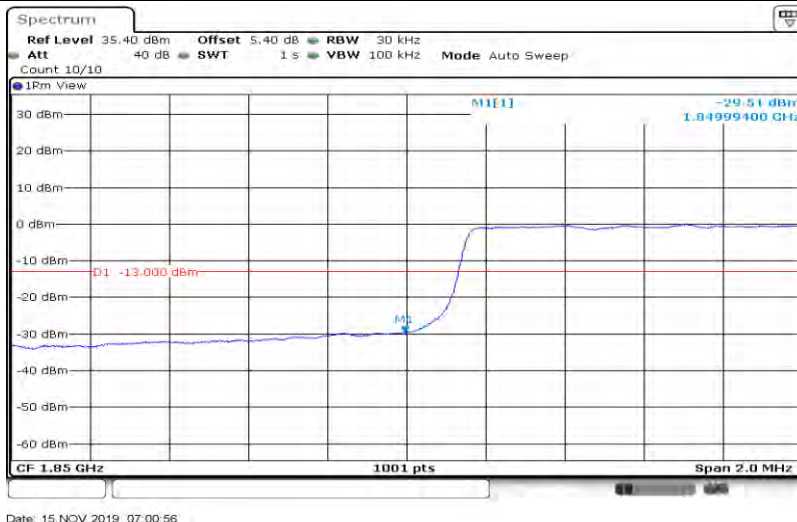


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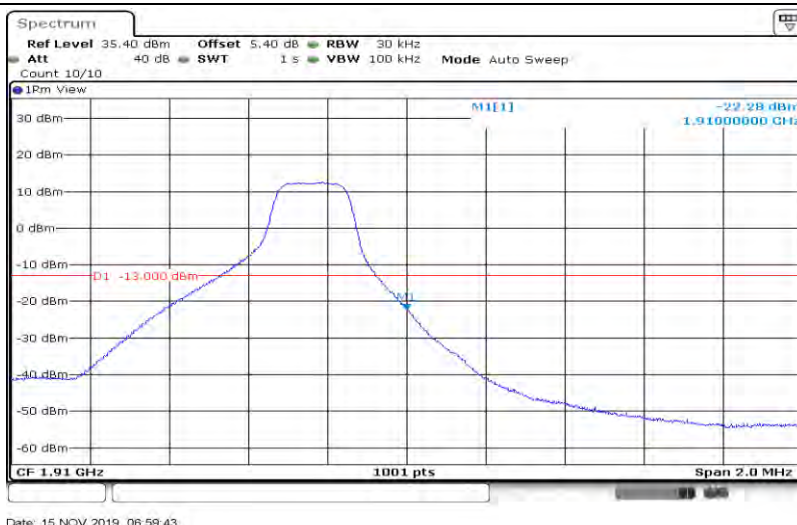


Band2-3MHz-16QAM-18615-15RB#0



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





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

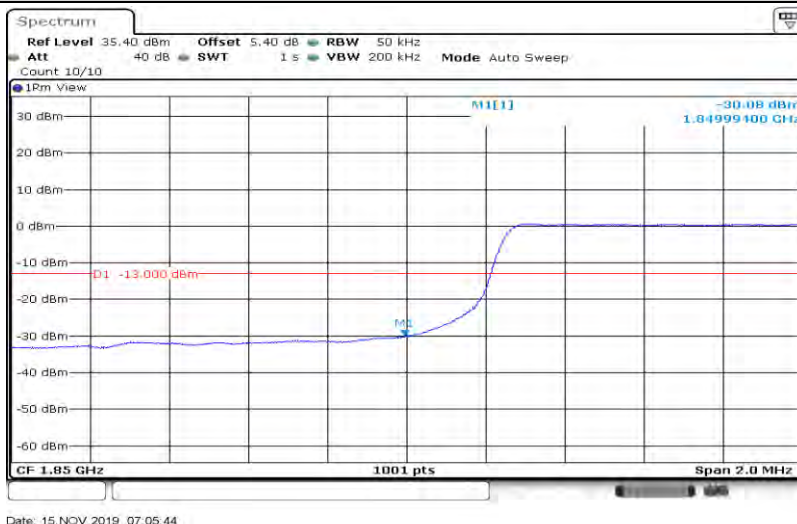


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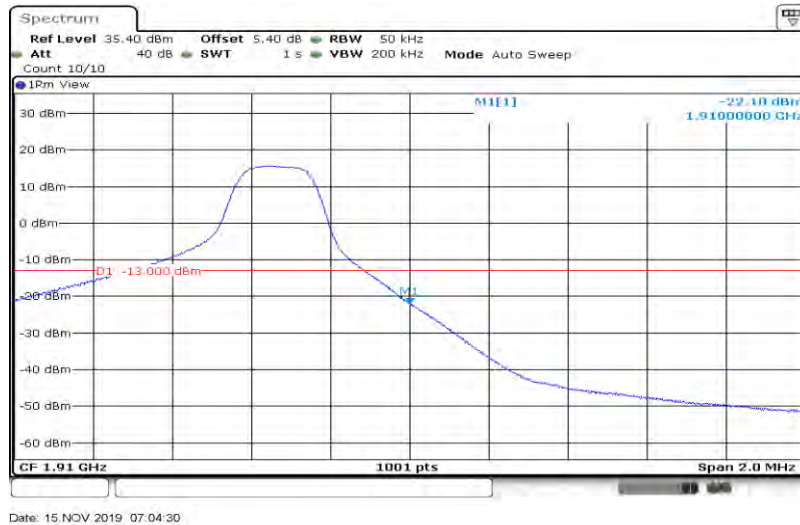


Band2-5MHz-QPSK-18625-25RB#0



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





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



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





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

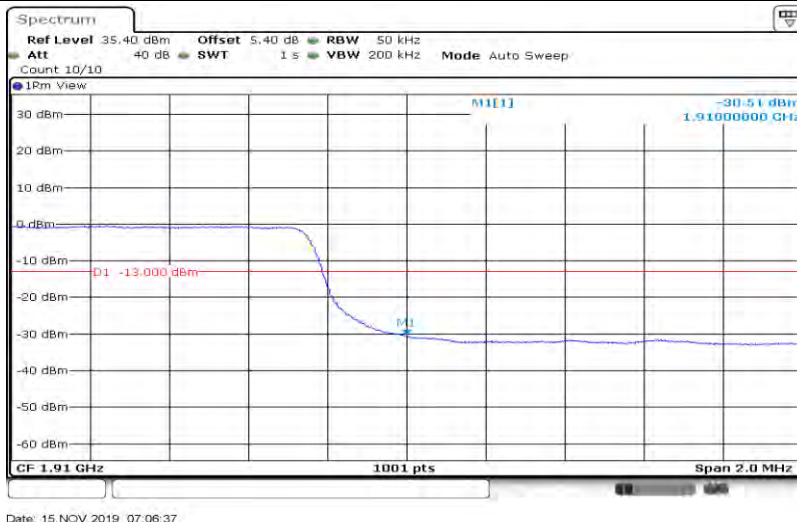


Band2-5MHz-16QAM-19175-1RB#24





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

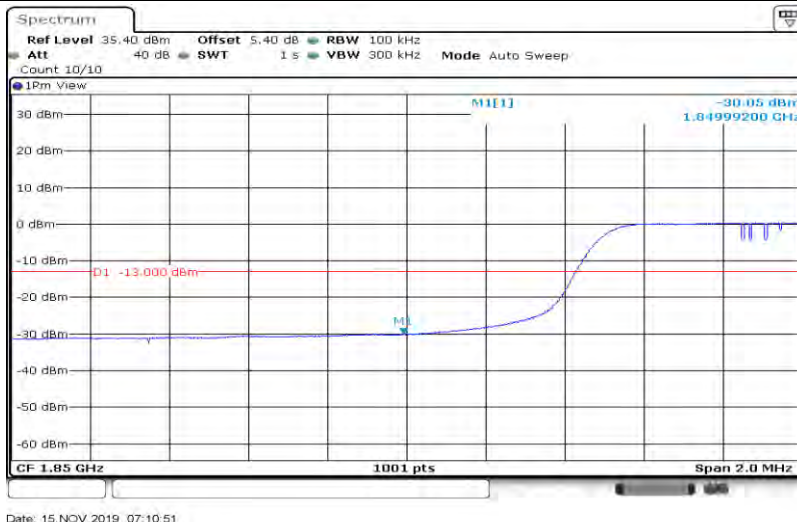


Band2-10MHz-QPSK-18650-1RB#0





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



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

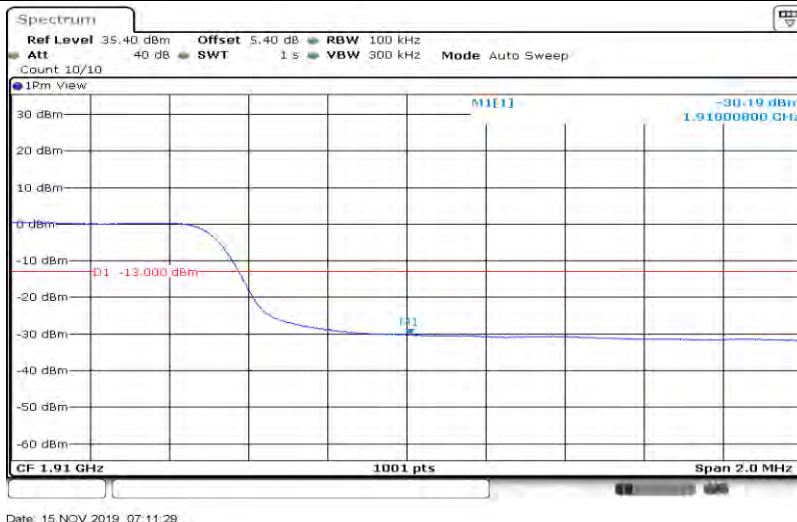


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Band2-10MHz-QPSK-19150-50RB#0

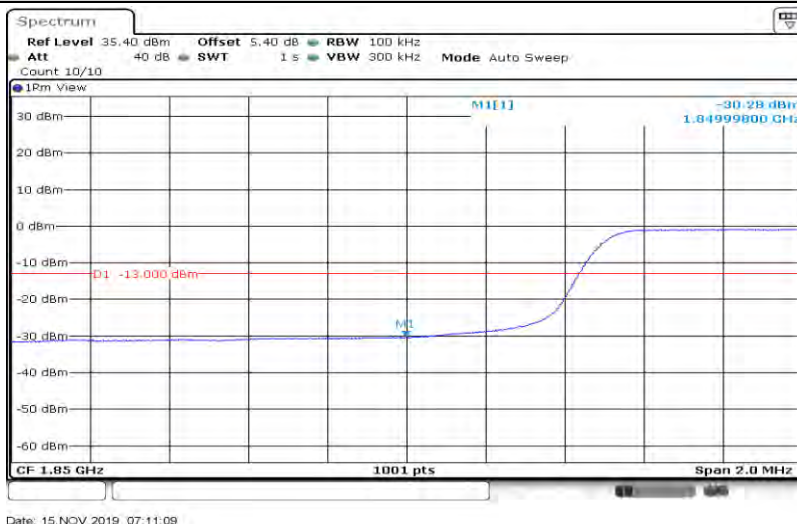


Band2-10MHz-16QAM-18650-1RB#0





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



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

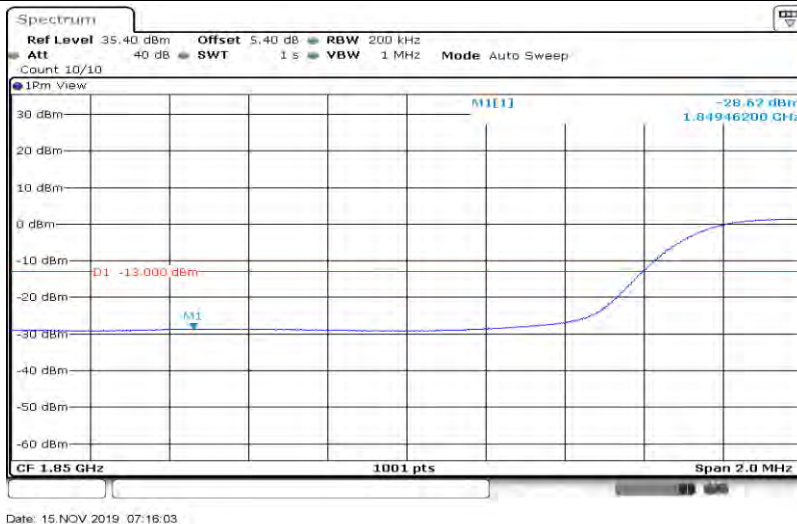


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Band2-15MHz-QPSK-18675-75RB#0

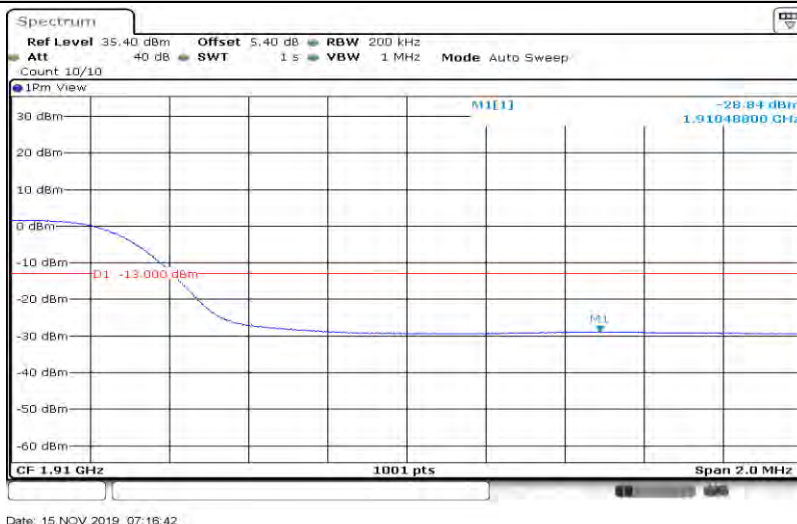


Band2-15MHz-QPSK-19125-1RB#74





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



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





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



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





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



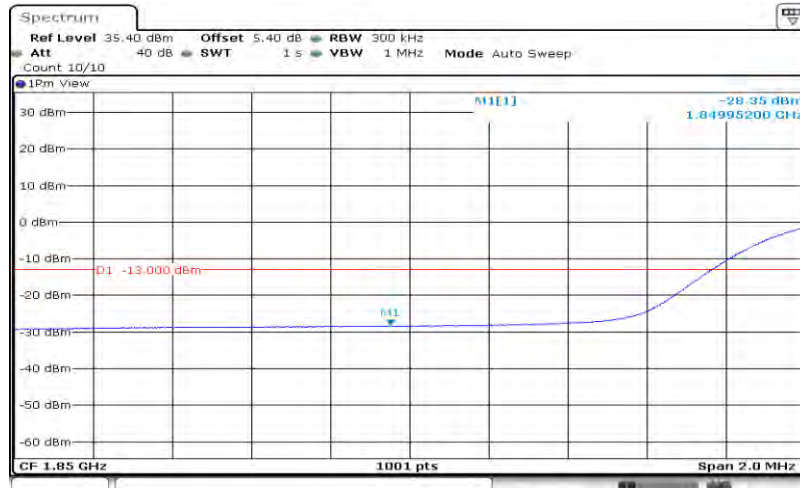
Band2-20MHz-QPSK-18700-1RB#0





Date: 15, NOV 2019 07:18:44

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



Date: 15, NOV 2019 07:21:22

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



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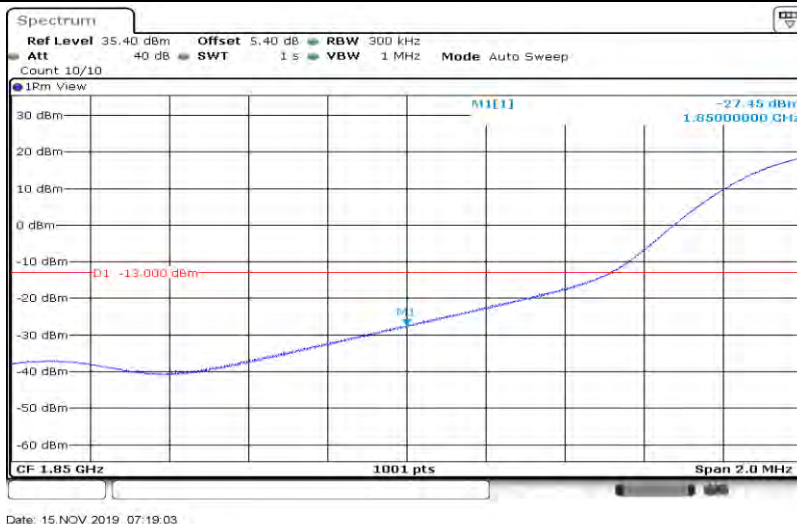


Band2-20MHz-QPSK-19100-100RB#0

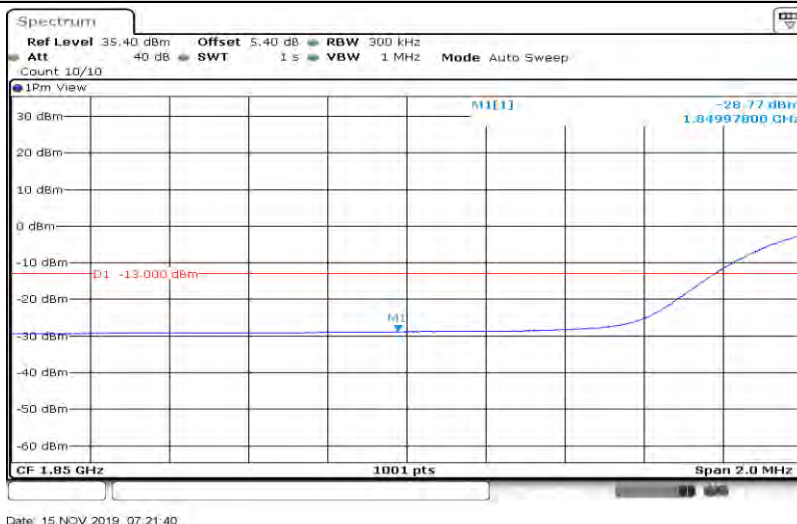


Band2-20MHz-16QAM-18700-1RB#0





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



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





Date: 15, NOV 2019 07:20:22

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



Date: 15, NOV 2019 07:22:19



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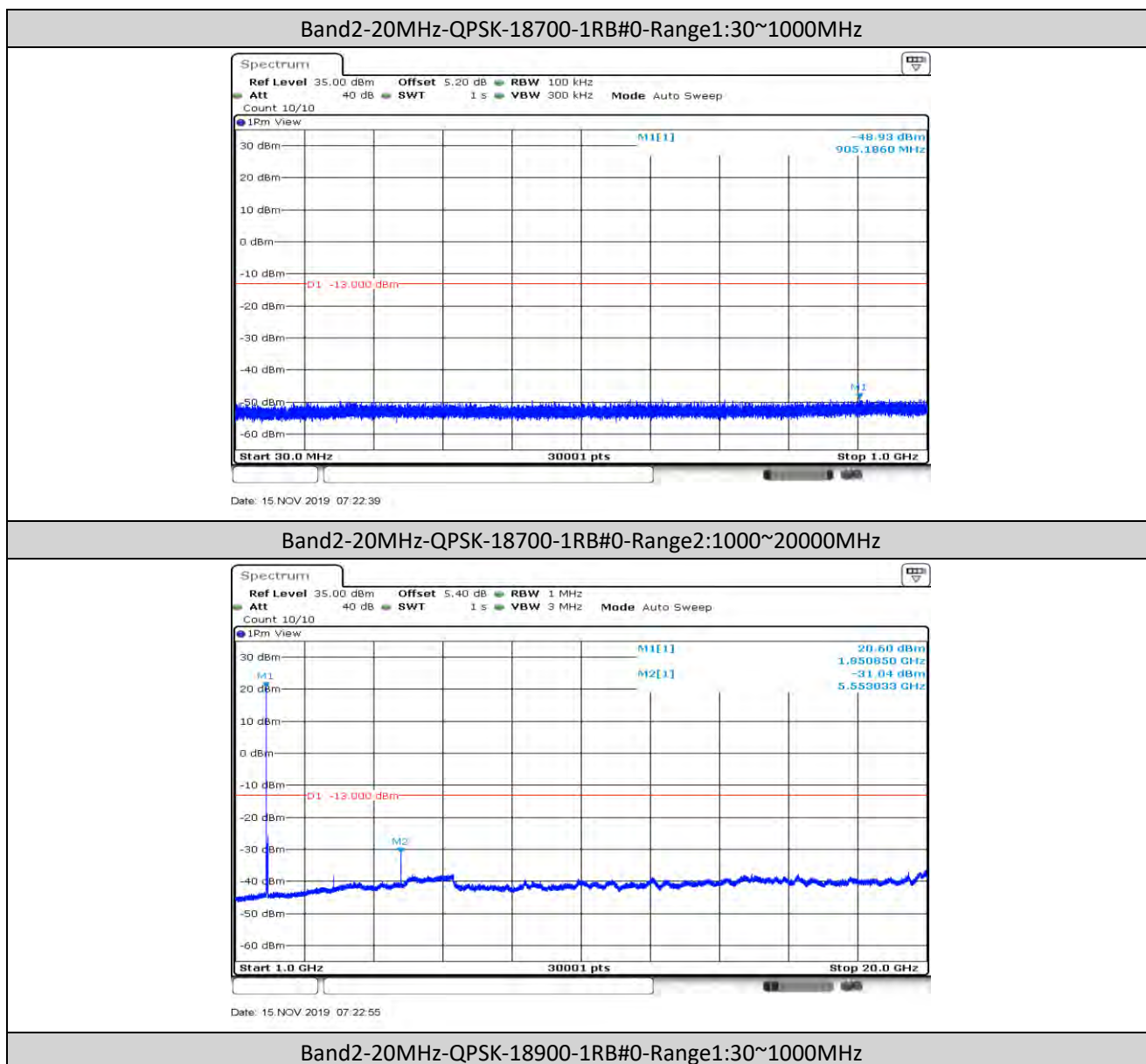
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6. Spurious Emission at Antenna Terminal

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.

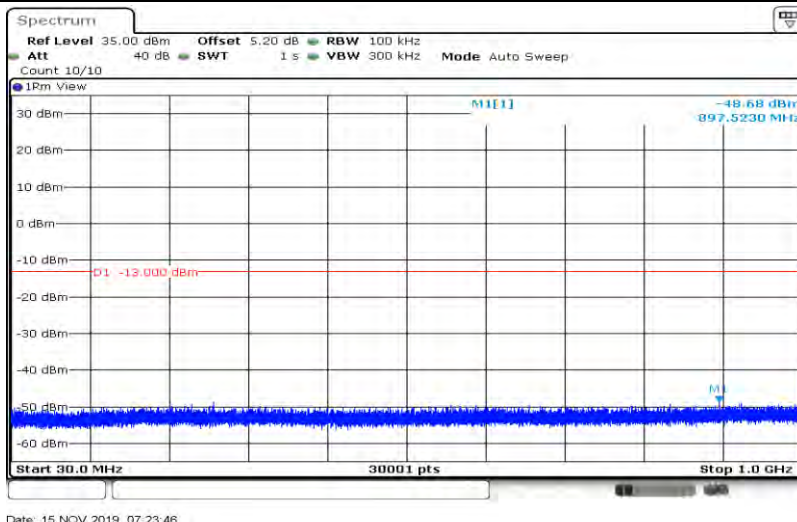
Remark2: only the worst case data displayed in this report.

6.1. Test Plots

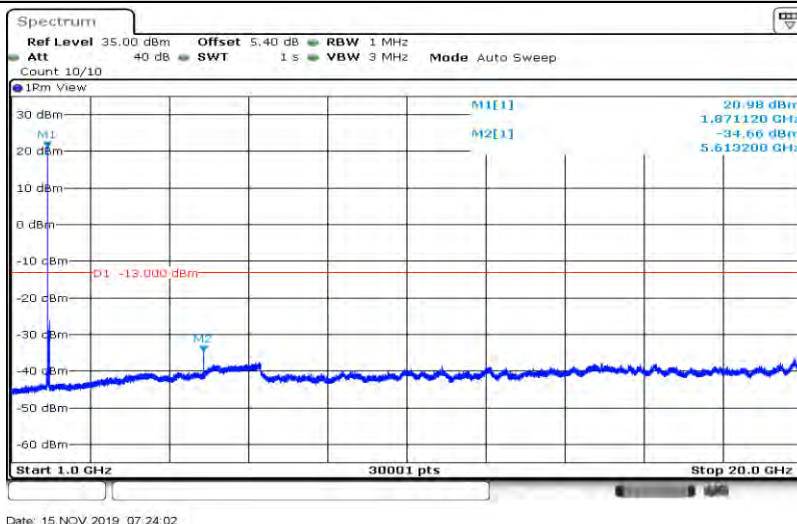


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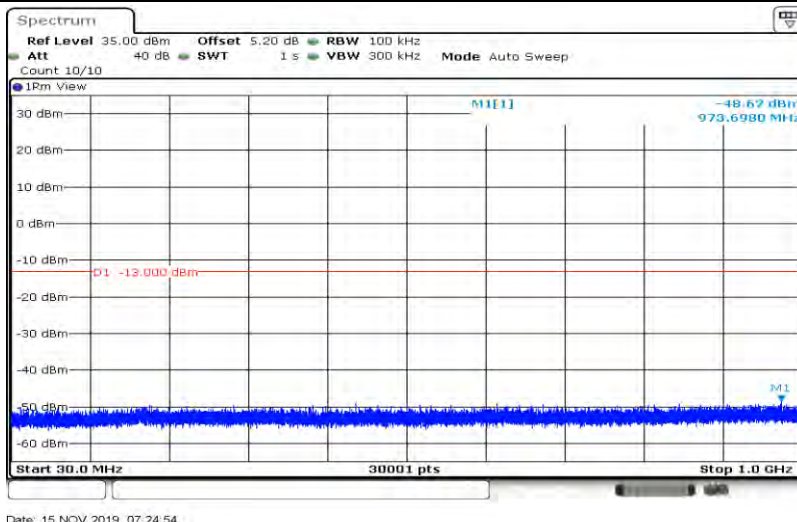


Band2-20MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz

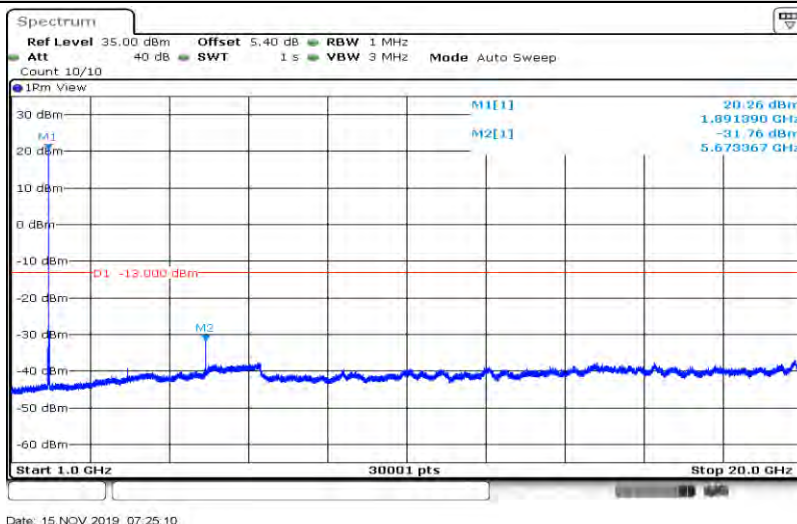


Band2-20MHz-QPSK-19100-1RB#0-Range1:30~1000MHz





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

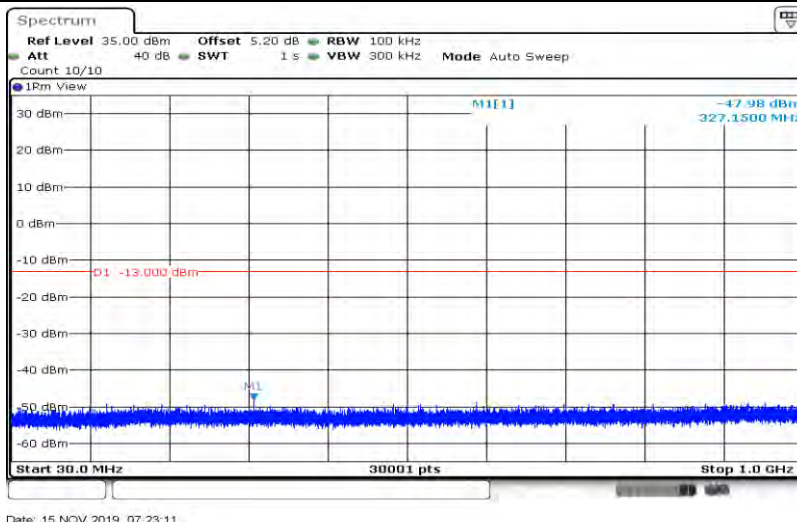


Band2-20MHz-16QAM-18700-1RB#0-Range1:30~1000MHz

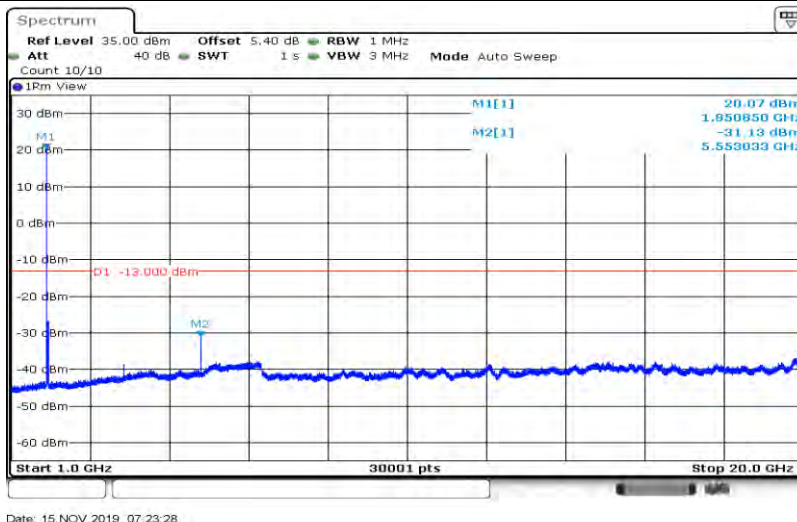


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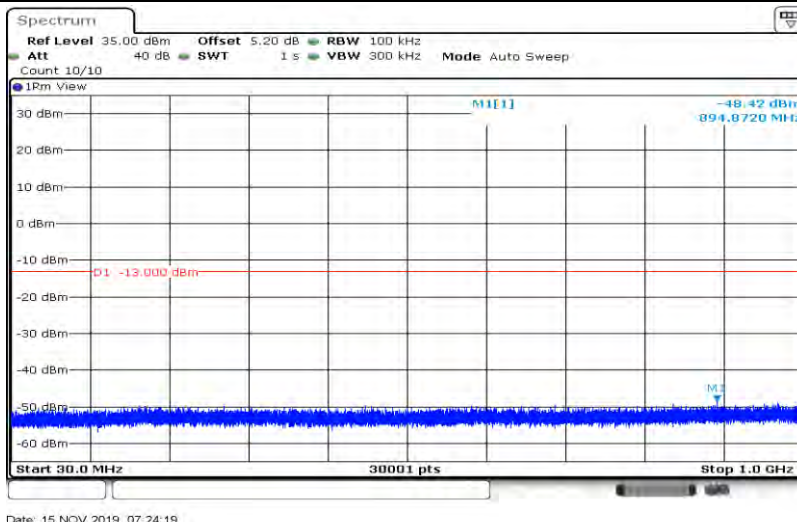


Band2-20MHz-16QAM-18700-1RB#0-Range2:1000~20000MHz

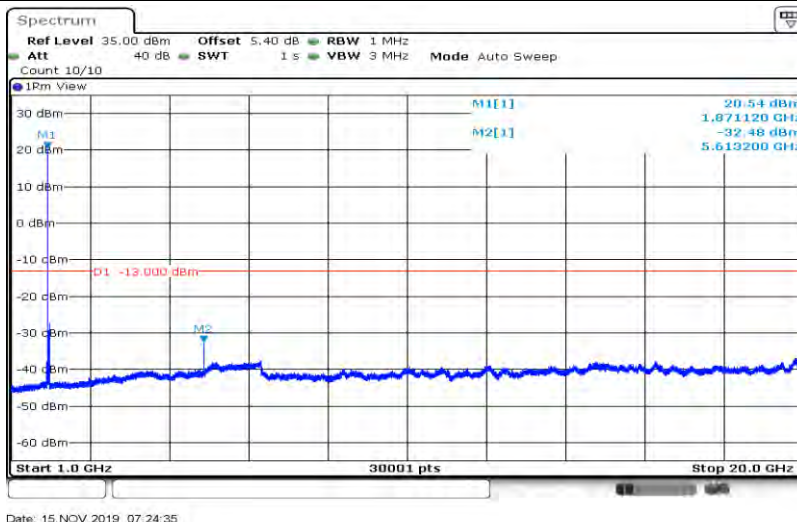


Band2-20MHz-16QAM-18900-1RB#0-Range1:30~1000MHz



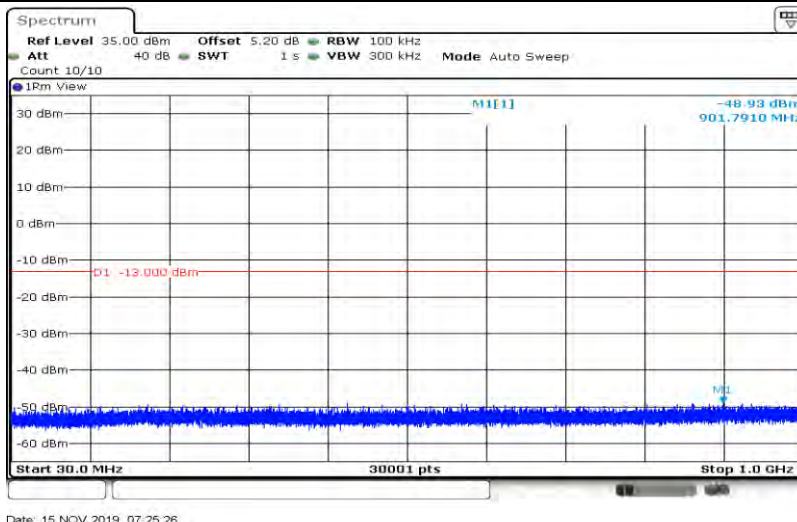


Band2-20MHz-16QAM-18900-1RB#0-Range2:1000~20000MHz

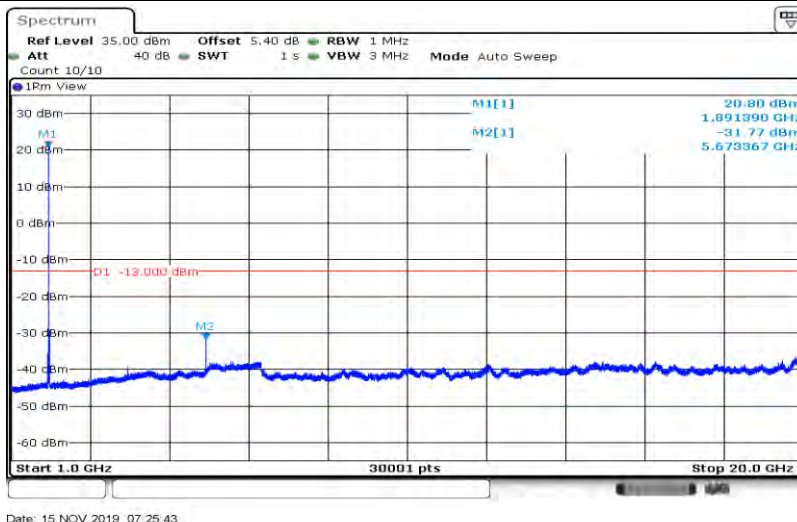


Band2-20MHz-16QAM-19100-1RB#0-Range1:30~1000MHz





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



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
112.0661	-65.15	-13.00	52.15	174	182	Vertical
3702.0234	-41.94	-13.00	28.94	185	232	Vertical
5553.0851	-49.12	-13.00	36.12	196	34	Vertical
7404.1468	-34.43	-13.00	21.43	231	208	Vertical
9255.2085	-42.50	-13.00	29.50	251	9	Vertical
17996.4999	-34.22	-13.00	21.22	164	108	Vertical
42.9501	-64.30	-13.00	51.30	261	62	Horizontal
243.7017	-68.22	-13.00	55.22	194	204	Horizontal
3702.0234	-42.43	-13.00	29.43	215	15	Horizontal
5553.0851	-44.37	-13.00	31.37	194	138	Horizontal
7404.1468	-39.34	-13.00	26.34	254	9	Horizontal
16398.4466	-38.25	-13.00	25.25	261	329	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
111.7751	-64.29	-13.00	51.29	188	182	Vertical
454.2992	-67.20	-13.00	54.20	196	9	Vertical
3742.0247	-46.72	-13.00	33.72	213	182	Vertical
5613.0871	-50.45	-13.00	37.45	254	33	Vertical
7484.6495	-40.86	-13.00	27.86	184	207	Vertical
17998.5000	-34.19	-13.00	21.19	194	83	Vertical
42.9987	-63.66	-13.00	50.66	258	109	Horizontal
232.5461	-68.15	-13.00	55.15	196	133	Horizontal
3742.5248	-46.42	-13.00	33.42	231	34	Horizontal
5613.0871	-50.96	-13.00	37.96	123	182	Horizontal
7484.6495	-43.98	-13.00	30.98	251	182	Horizontal
16402.9468	-38.48	-13.00	25.48	184	207	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
49.5465	-71.31	-13.00	58.31	184	9	Vertical
110.0775	-65.12	-13.00	52.12	196	33	Vertical
3782.0261	-46.96	-13.00	33.96	254	9	Vertical
5673.5891	-48.70	-13.00	35.70	174	33	Vertical
7564.1521	-41.50	-13.00	28.50	184	182	Vertical
17995.4999	-34.19	-13.00	21.19	321	306	Vertical
45.1328	-64.93	-13.00	51.93	184	82	Horizontal
246.4178	-68.04	-13.00	55.04	196	58	Horizontal
3782.0261	-46.57	-13.00	33.57	231	108	Horizontal
5673.5891	-47.00	-13.00	34.00	262	182	Horizontal
7564.6522	-47.70	-13.00	34.70	215	182	Horizontal
16386.9462	-38.57	-13.00	25.57	184	307	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.





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	11.74	0.006312	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	-12.22	-0.006570	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	-9.20	-0.004946	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-18.24	-0.009702	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-20.91	-0.011122	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-17.48	-0.009298	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	-14.93	-0.007858	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-16.09	-0.008468	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-18.25	-0.009605	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	-15.32	-0.008237	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	-17.15	-0.009220	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	-10.80	-0.005806	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-14.56	-0.007745	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-18.25	-0.009707	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	-19.47	-0.010356	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	-15.26	-0.008032	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	-17.71	-0.009321	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	-17.19	-0.009047	±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	-12.45	-0.006694	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	-12.75	-0.006855	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	-13.56	-0.007290	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	-13.70	-0.007366	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	-16.25	-0.008737	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	-13.06	-0.007022	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	-13.05	-0.007016	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	-14.22	-0.007645	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-15.11	-0.008037	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-23.65	-0.012580	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-23.27	-0.012378	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-19.96	-0.010617	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-18.22	-0.009691	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-19.04	-0.010128	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-19.93	-0.010601	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-19.96	-0.010617	±2.5	PASS





Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-17.61	-0.009268	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	-16.04	-0.008442	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	-19.78	-0.010411	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-18.57	-0.009774	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-18.41	-0.009689	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	-20.31	-0.010689	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	-37.19	-0.019574	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	-18.87	-0.009932	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	-13.06	-0.007022	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	-17.01	-0.009145	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	13.76	0.007398	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	-15.23	-0.008188	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	-13.73	-0.007382	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	-12.23	-0.006575	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	-14.89	-0.008005	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	-20.69	-0.011124	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-20.37	-0.010835	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-17.15	-0.009122	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-21.99	-0.011697	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-19.61	-0.010431	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-19.77	-0.010516	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-17.21	-0.009154	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	-21.90	-0.011649	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-31.47	-0.016739	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-16.98	-0.008937	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	-18.05	-0.009500	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	-24.39	-0.012837	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-20.56	-0.010821	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	-18.90	-0.009947	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	-19.94	-0.010495	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-15.41	-0.008111	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-21.74	-0.011442	±2.5	PASS



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