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	21.38	22.28	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	21.52	22.42	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	21.30	22.20	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	21.30	22.20	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#2	21.54	22.44	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	21.38	22.28	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	20.56	21.46	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	21.62	22.52	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	21.90	22.80	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	21.32	22.22	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	21.54	22.44	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#2	21.84	22.74	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	21.34	22.24	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	20.72	21.62	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	21.63	22.53	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.17	23.07	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	21.80	22.70	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	21.71	22.61	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#2	22.09	22.99	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	21.71	22.61	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	20.74	21.64	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	20.22	21.12	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	20.48	21.38	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	20.15	21.05	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	20.22	21.12	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#2	20.41	21.31	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	20.15	21.05	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	19.72	20.62	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	20.92	21.82	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	20.35	21.25	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	20.25	21.15	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	20.87	21.77	33.00	PASS

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Band2	1.4MHz	16QAM	18900	3RB#2	20.43	21.33	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	20.23	21.13	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	19.76	20.66	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	20.86	21.76	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	20.44	21.34	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	20.12	21.02	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	20.87	21.77	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#2	20.34	21.24	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	20.15	21.05	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	19.65	20.55	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	21.30	22.20	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#7	21.52	22.42	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	21.32	22.22	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	20.66	21.56	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	20.74	21.64	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	20.59	21.49	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	20.50	21.40	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	21.60	22.50	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#7	21.88	22.78	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	21.33	22.23	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	20.79	21.69	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	20.70	21.60	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	20.62	21.52	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	20.72	21.62	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	21.70	22.60	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#7	22.23	23.13	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	21.75	22.65	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	20.94	21.84	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	20.89	21.79	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	20.68	21.58	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	20.79	21.69	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	20.20	21.10	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#7	20.41	21.31	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	20.15	21.05	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	19.62	20.52	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	19.80	20.70	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	19.72	20.62	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	19.68	20.58	33.00	PASS

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Band2	3MHz	16QAM	18900	1RB#0	20.96	21.86	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#7	20.41	21.31	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	20.27	21.17	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	19.88	20.78	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	19.79	20.69	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	19.83	20.73	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	19.73	20.63	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	20.87	21.77	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#7	20.34	21.24	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	20.14	21.04	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	19.23	20.13	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	19.75	20.65	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	19.77	20.67	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	19.68	20.58	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	21.33	22.23	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#13	21.52	22.42	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	21.39	22.29	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	20.56	21.46	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	20.72	21.62	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	20.60	21.50	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	20.57	21.47	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	21.56	22.46	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#13	21.88	22.78	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	21.32	22.22	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	20.75	21.65	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	20.72	21.62	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	20.72	21.62	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	20.68	21.58	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	21.61	22.51	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#13	22.19	23.09	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	21.68	22.58	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	20.86	21.76	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	20.87	21.77	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	20.69	21.59	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	20.80	21.70	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	20.21	21.11	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#13	20.36	21.26	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	20.13	21.03	33.00	PASS

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Band2	5MHz	16QAM	18625	12RB#0	19.70	20.60	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	19.77	20.67	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	19.72	20.62	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	19.67	20.57	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	20.97	21.87	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#13	20.39	21.29	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	20.25	21.15	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	19.89	20.79	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	19.76	20.66	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	19.77	20.67	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	19.65	20.55	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	20.87	21.77	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#13	20.37	21.27	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	20.05	20.95	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	19.30	20.20	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	19.80	20.70	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	19.75	20.65	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	19.68	20.58	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	21.35	22.25	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#25	21.55	22.45	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	21.31	22.21	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#0	20.66	21.56	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#13	20.75	21.65	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	20.57	21.47	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	20.51	21.41	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	21.56	22.46	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#25	21.87	22.77	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	21.40	22.30	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	20.77	21.67	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#13	20.65	21.55	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	20.69	21.59	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	20.71	21.61	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	21.63	22.53	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#25	22.19	23.09	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	21.75	22.65	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	20.94	21.84	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#13	20.91	21.81	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	20.67	21.57	33.00	PASS

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Band2	10MHz	QPSK	19150	50RB#0	20.77	21.67	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	20.19	21.09	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#25	20.37	21.27	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	20.19	21.09	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	19.63	20.53	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#13	19.74	20.64	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	19.73	20.63	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	19.65	20.55	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	20.97	21.87	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#25	20.38	21.28	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	20.20	21.10	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#0	19.84	20.74	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#13	19.76	20.66	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#25	19.79	20.69	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	19.69	20.59	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	20.77	21.67	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#25	20.38	21.28	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	20.06	20.96	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	19.29	20.19	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#13	19.77	20.67	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	19.77	20.67	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	19.63	20.53	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	21.30	22.20	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	21.59	22.49	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	21.38	22.28	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	20.56	21.46	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	20.75	21.65	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	20.59	21.49	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	20.60	21.50	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	21.54	22.44	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	21.80	22.70	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	21.34	22.24	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	20.80	21.70	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	20.73	21.63	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#39	20.67	21.57	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	20.65	21.55	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	21.71	22.61	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	22.22	23.12	33.00	PASS

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Band2	15MHz	QPSK	19125	1RB#74	21.71	22.61	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	20.91	21.81	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	20.90	21.80	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	20.68	21.58	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	20.73	21.63	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	20.28	21.18	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	20.41	21.31	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	20.12	21.02	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#0	19.71	20.61	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	19.76	20.66	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	19.74	20.64	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	19.65	20.55	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	20.90	21.80	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	20.44	21.34	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	20.24	21.14	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	19.84	20.74	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	19.82	20.72	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	19.77	20.67	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	19.64	20.54	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	20.78	21.68	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	20.36	21.26	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	20.13	21.03	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	19.32	20.22	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	19.78	20.68	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	19.76	20.66	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	19.72	20.62	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	21.48	22.38	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#50	21.70	22.60	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	21.50	22.40	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#0	20.76	21.66	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	20.87	21.77	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	20.77	21.67	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	20.70	21.60	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	21.73	22.63	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#50	21.98	22.88	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	21.51	22.41	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	20.91	21.81	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	20.85	21.75	33.00	PASS

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Band2	20MHz	QPSK	18900	50RB#50	20.82	21.72	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	20.84	21.74	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	21.81	22.71	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#50	22.36	23.26	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	21.88	22.78	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	21.04	21.94	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	21.05	21.95	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	20.83	21.73	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	20.91	21.81	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	20.38	21.28	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#50	20.56	21.46	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	20.30	21.20	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	19.81	20.71	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	19.92	20.82	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	19.91	20.81	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	19.85	20.75	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.10	22.00	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#50	20.55	21.45	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	20.37	21.27	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	19.99	20.89	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	19.93	20.83	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	19.96	20.86	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	19.84	20.74	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	20.97	21.87	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#50	20.53	21.43	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	20.25	21.15	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	19.43	20.33	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	19.94	20.84	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	19.91	20.81	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	19.83	20.73	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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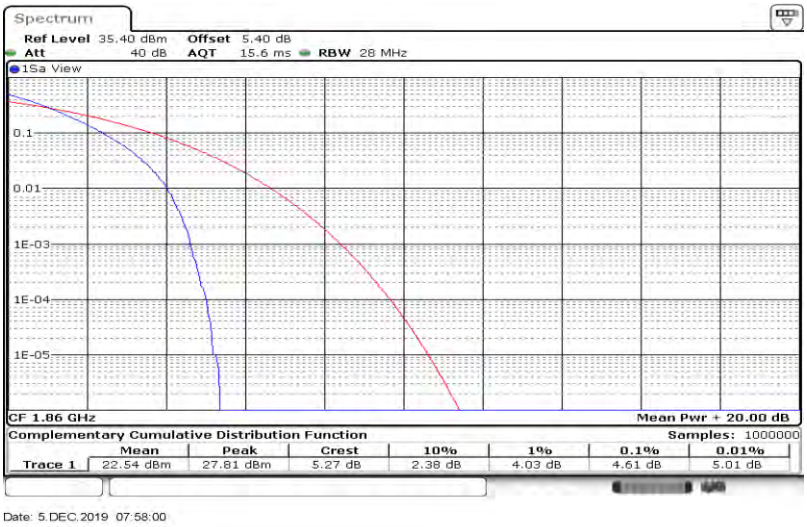
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	4.61	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	4.87	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	4.58	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	5.57	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.74	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.54	13	PASS

2.2. Test Plots

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



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

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

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

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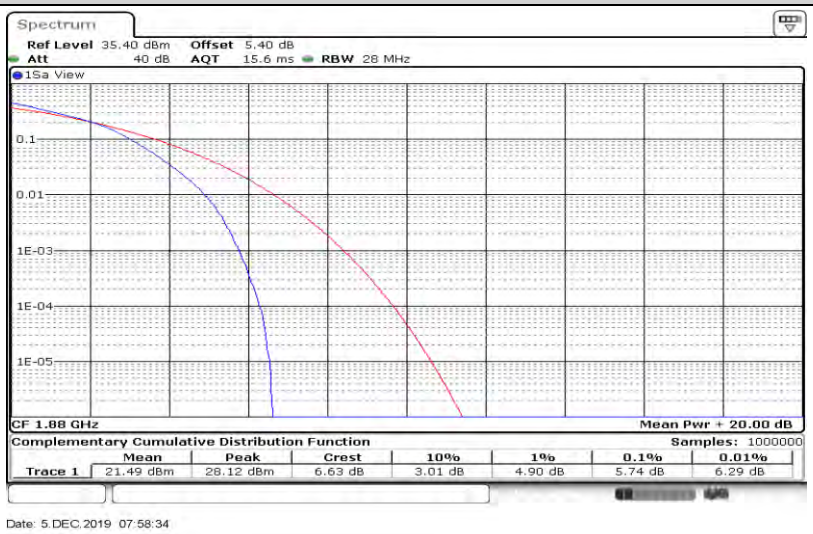

Band2-20MHz-16QAM-19100-100RB#0

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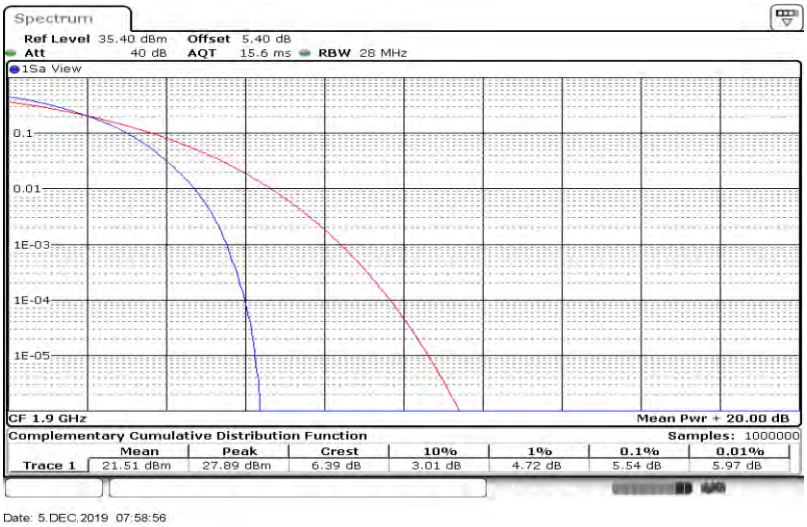

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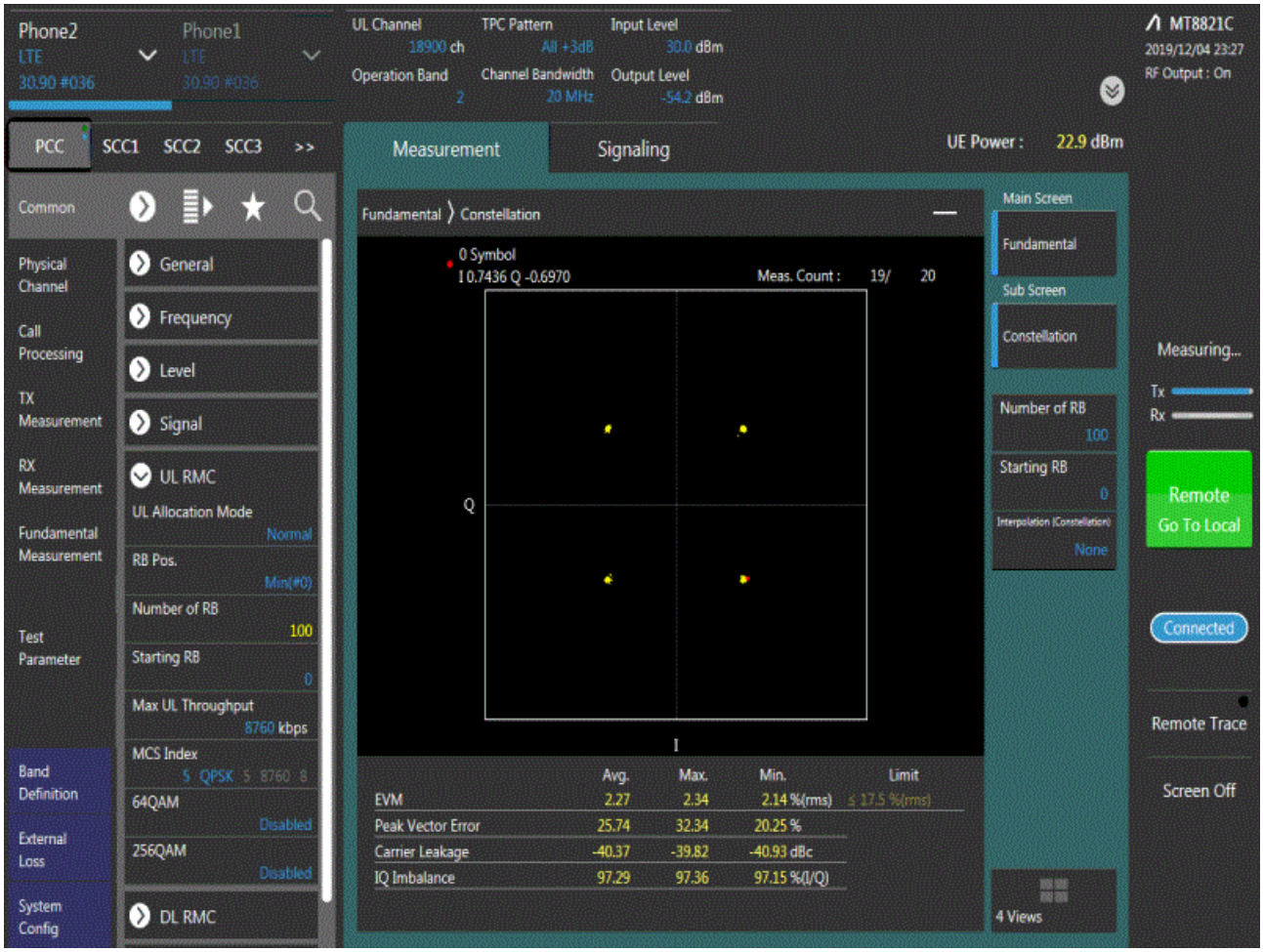
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1.Test Channel = MCH



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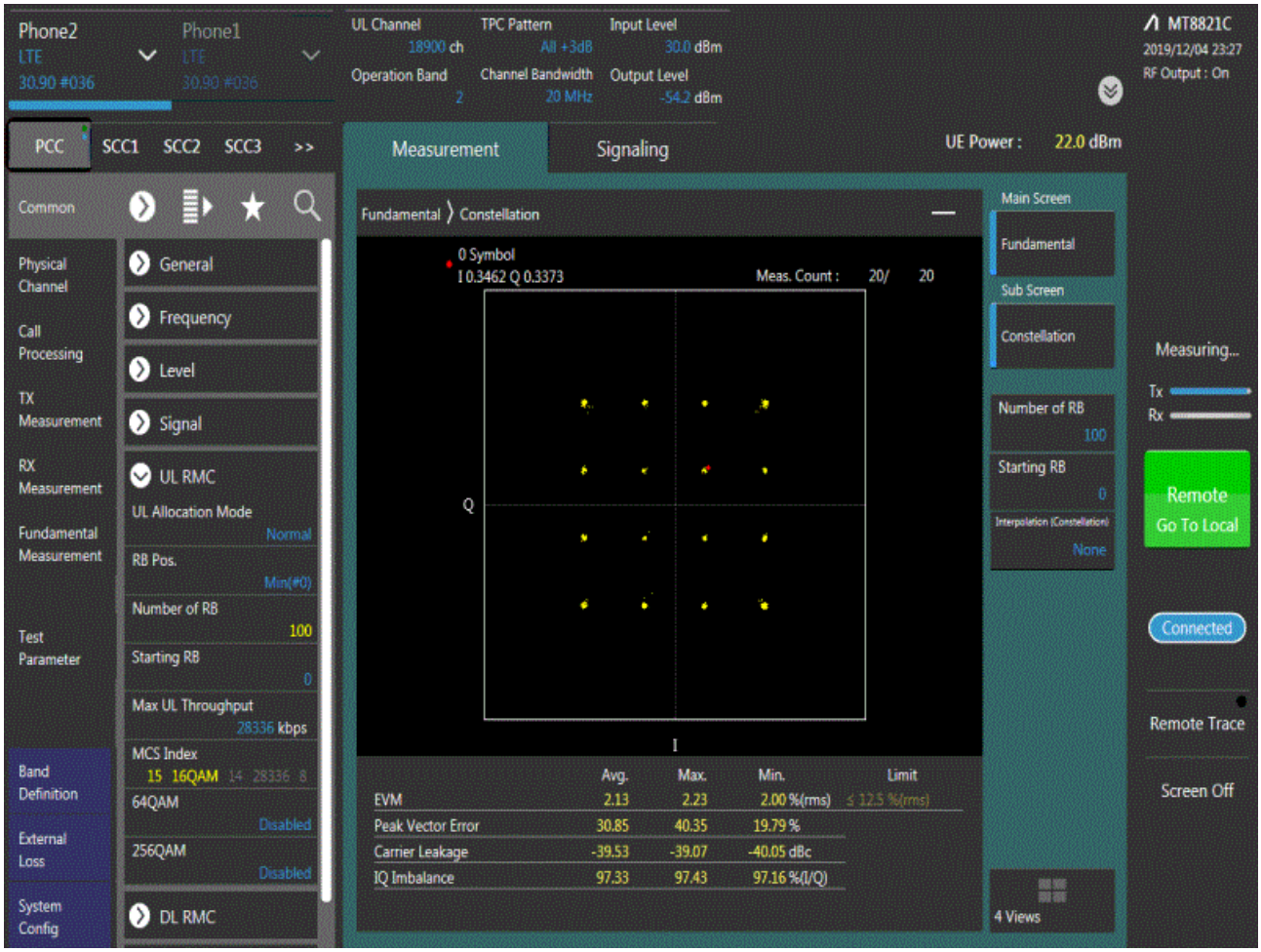
3.2. Test Mode = LTE /TM2 20MHz

3.2.1.Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.091	1.290	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.094	1.290	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.091	1.311	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.088	1.284	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.091	1.281	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.091	1.281	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.697	2.988	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.697	3.000	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.703	2.988	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.685	2.970	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.685	2.976	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.685	2.958	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.476	4.940	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.476	4.920	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.476	4.930	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.486	4.960	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.496	4.960	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.486	4.960	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.911	9.700	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.911	9.720	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.931	9.700	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.931	9.760	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.911	9.760	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.911	9.700	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.427	14.760	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.427	14.790	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.367	14.670	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.397	14.730	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.427	14.730	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.367	14.670	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.822	19.280	PASS

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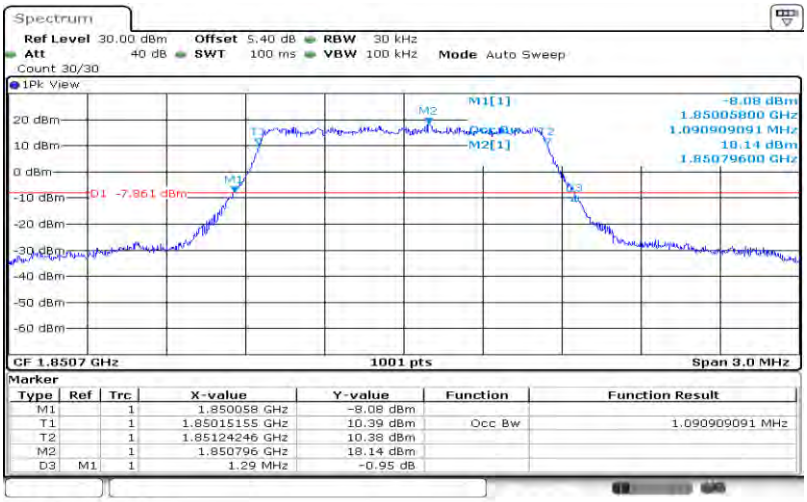
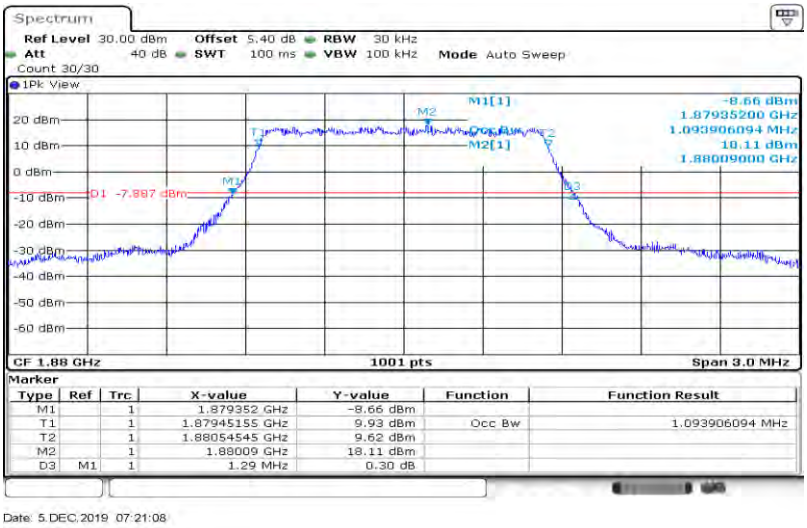
Band2	20MHz	QPSK	18900	100RB#0	17.822	19.440	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.782	19.280	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.822	19.400	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.862	19.440	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.782	19.240	PASS

4.2. Test Plots

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



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



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

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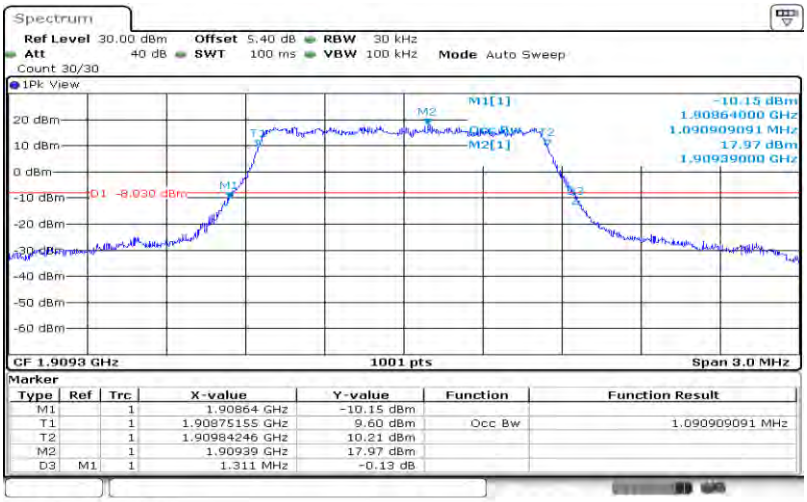
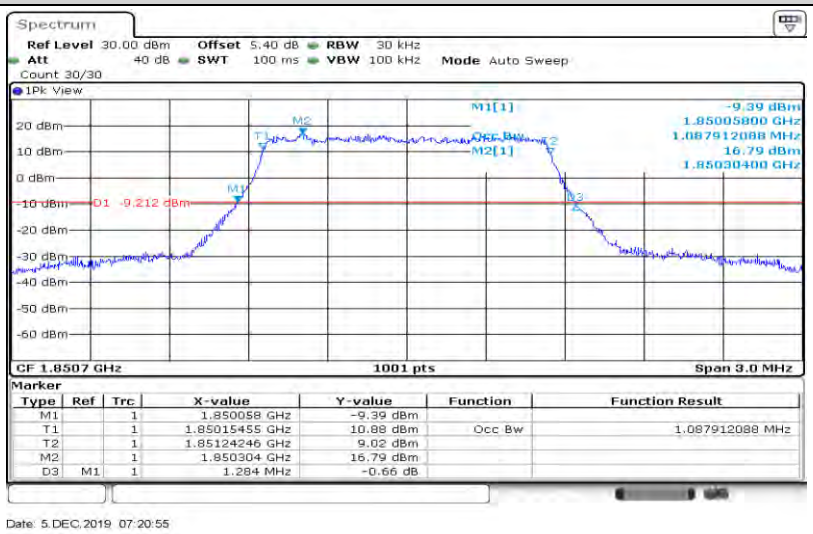


Band2-1.4MHz-16QAM-18607-6RB#0-1.088



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

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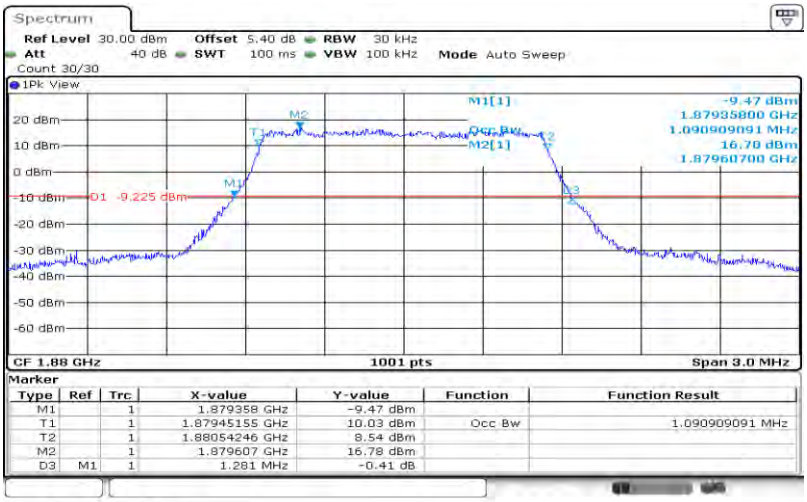
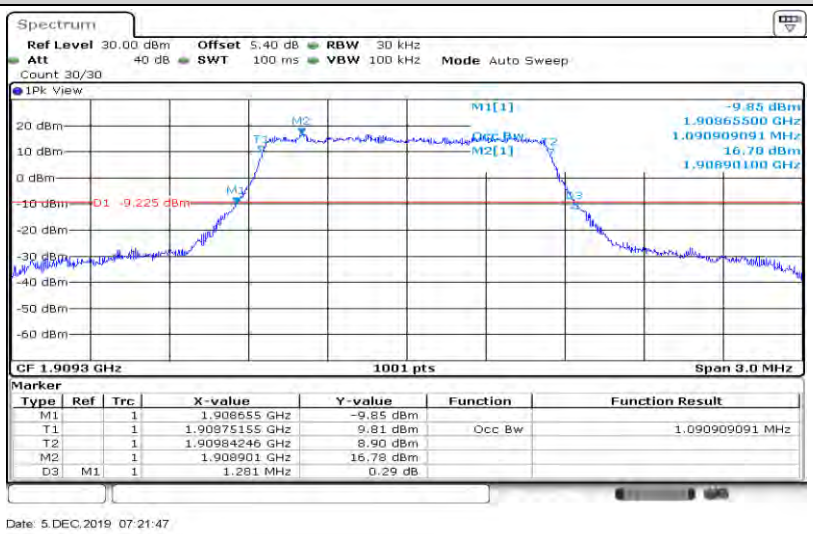


Band2-1.4MHz-16QAM-19193-6RB#0-1.091



Band2-3MHz-QPSK-18615-15RB#0-2.697

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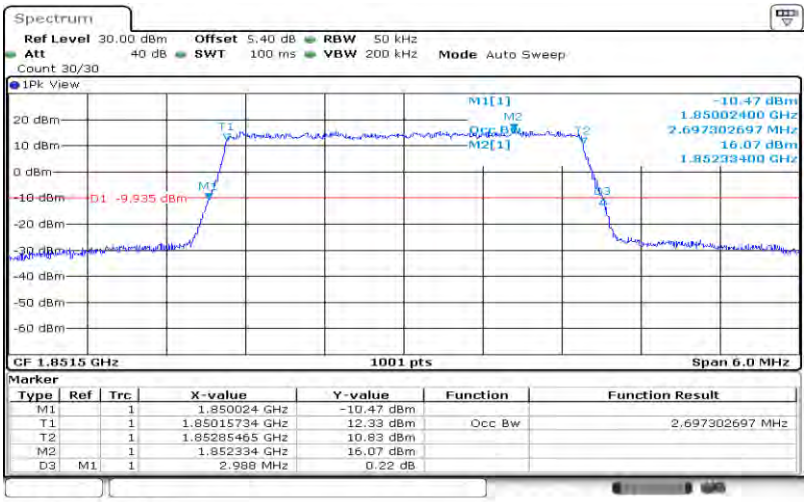
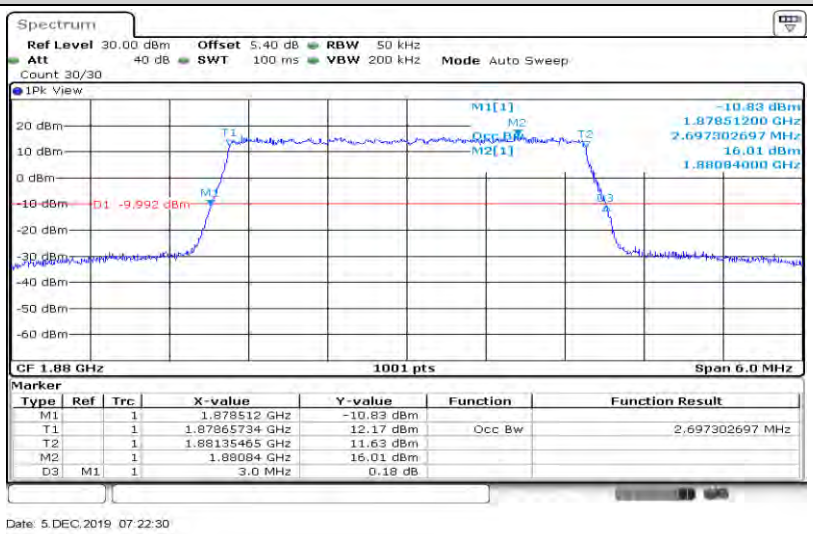


Band2-3MHz-QPSK-18900-15RB#0-2.697



Band2-3MHz-QPSK-19185-15RB#0-2.703

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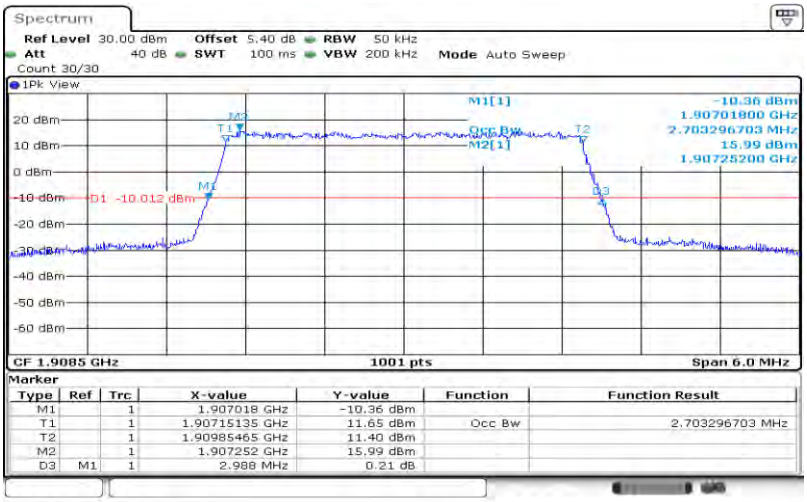
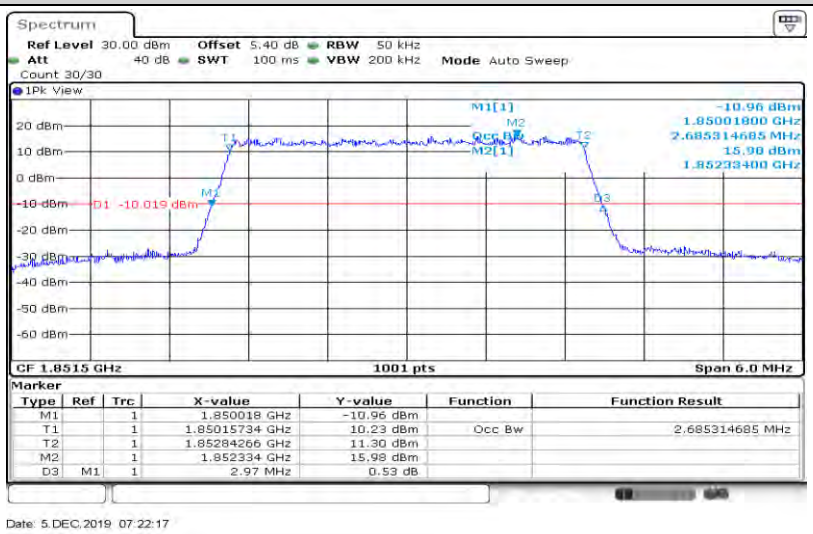


Band2-3MHz-16QAM-18615-15RB#0-2.685



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

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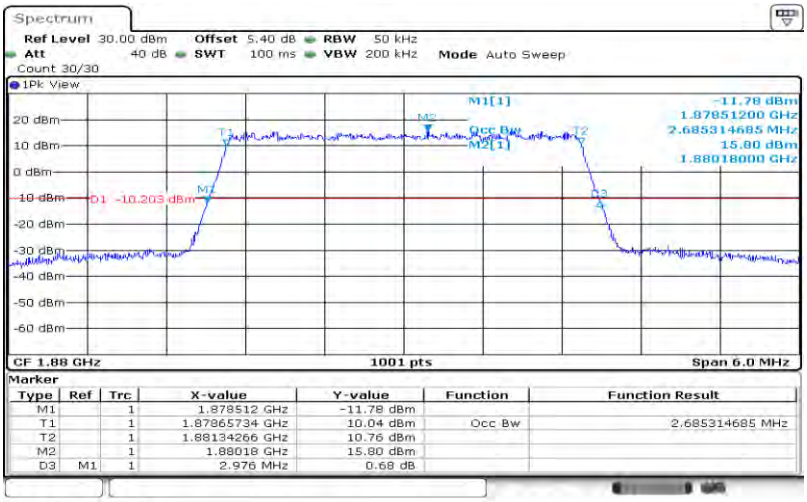
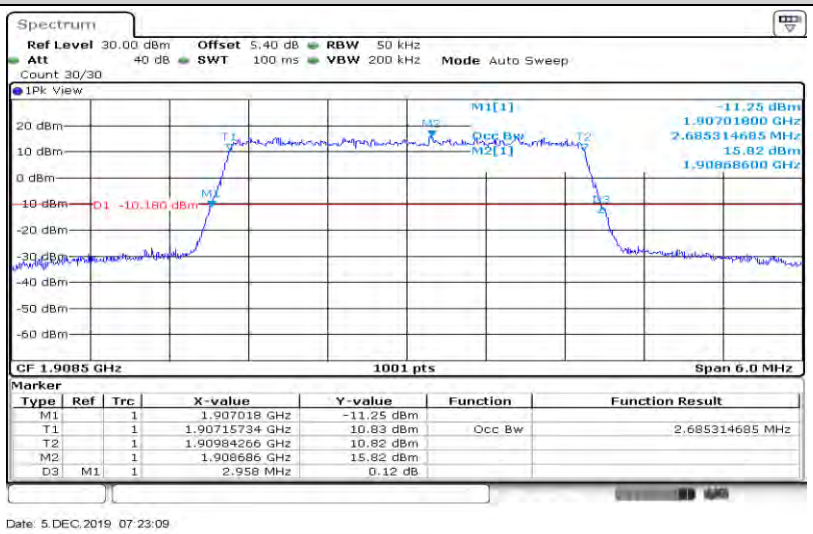


Band2-3MHz-16QAM-19185-15RB#0-2.685



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

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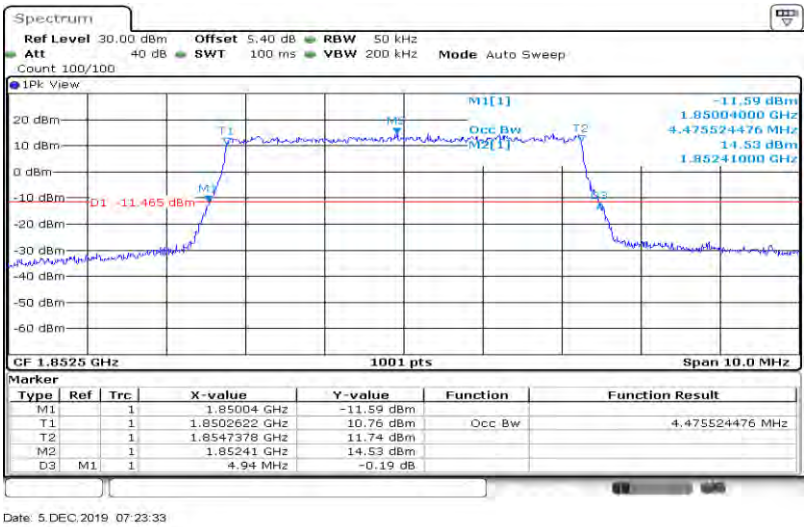
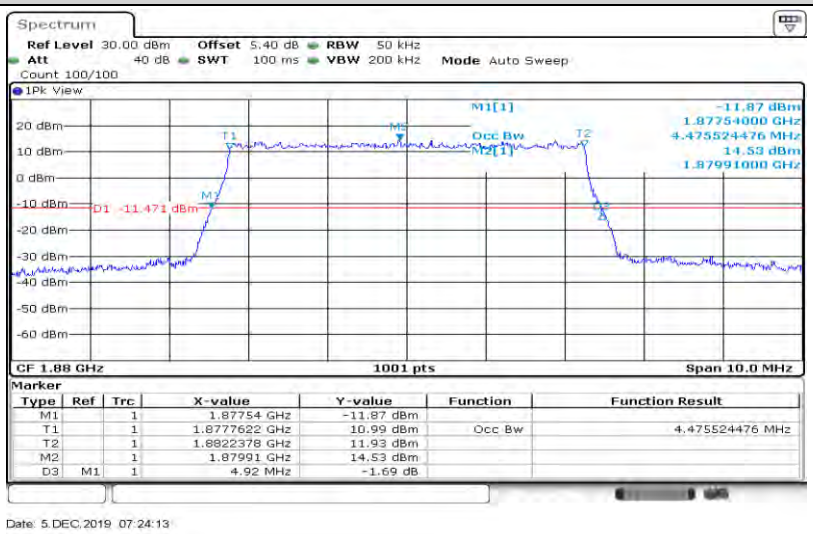


Band2-5MHz-QPSK-18900-25RB#0-4.476



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

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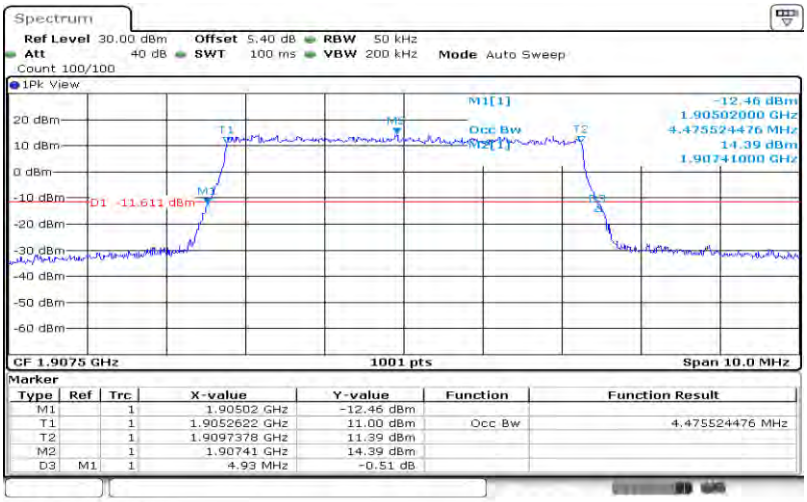
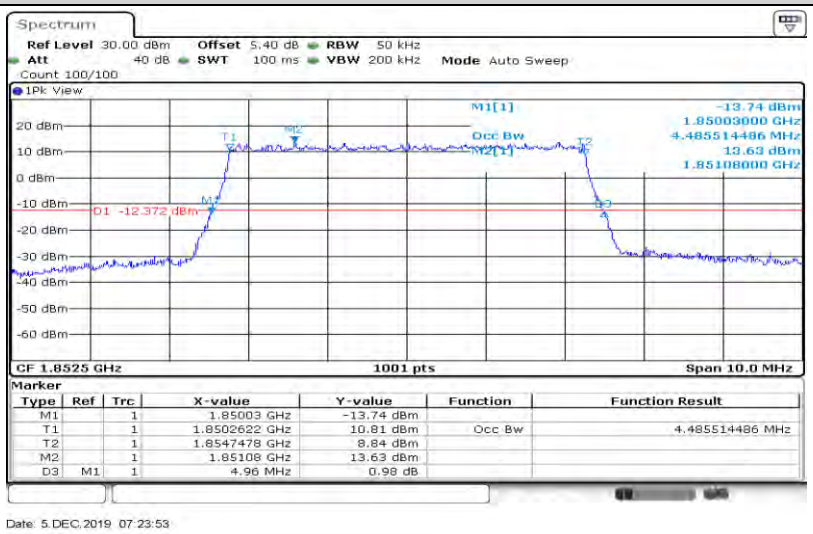


Band2-5MHz-16QAM-18625-25RB#0-4.486



Band2-5MHz-16QAM-18900-25RB#0-4.496

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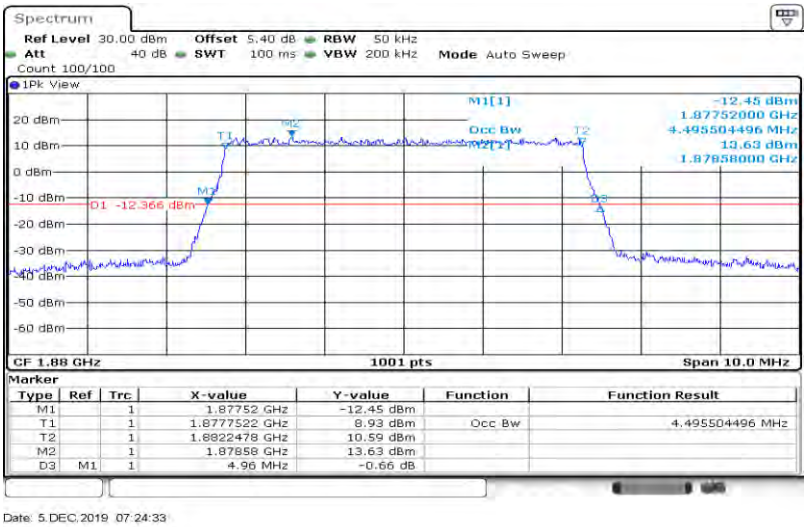
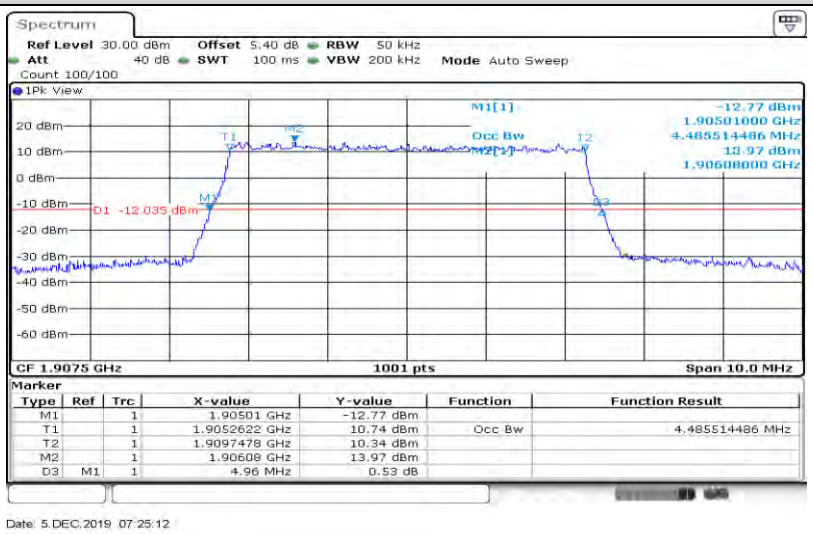


Band2-5MHz-16QAM-19175-25RB#0-4.486



Band2-10MHz-QPSK-18650-50RB#0-8.911

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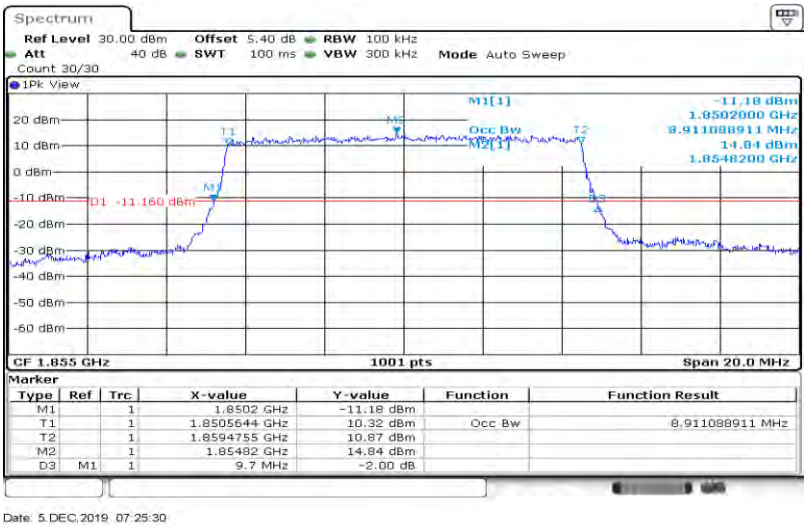
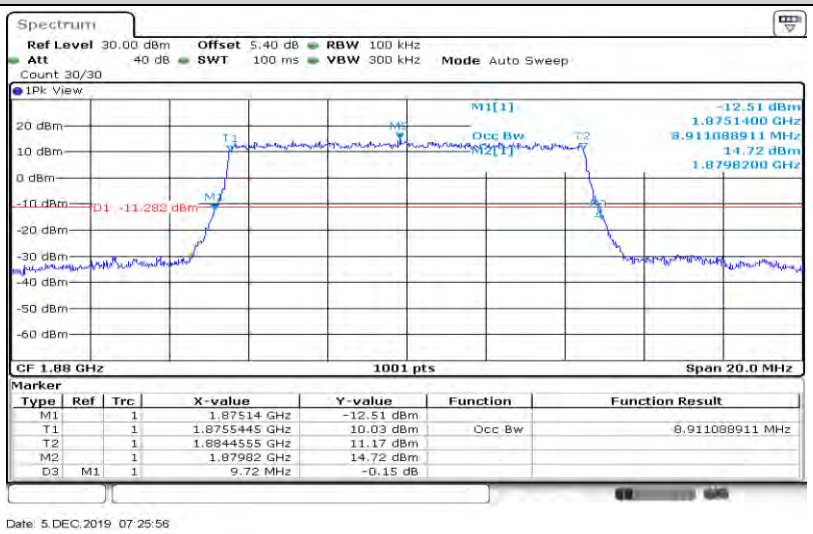


Band2-10MHz-QPSK-18900-50RB#0-8.911



Band2-10MHz-QPSK-19150-50RB#0-8.931

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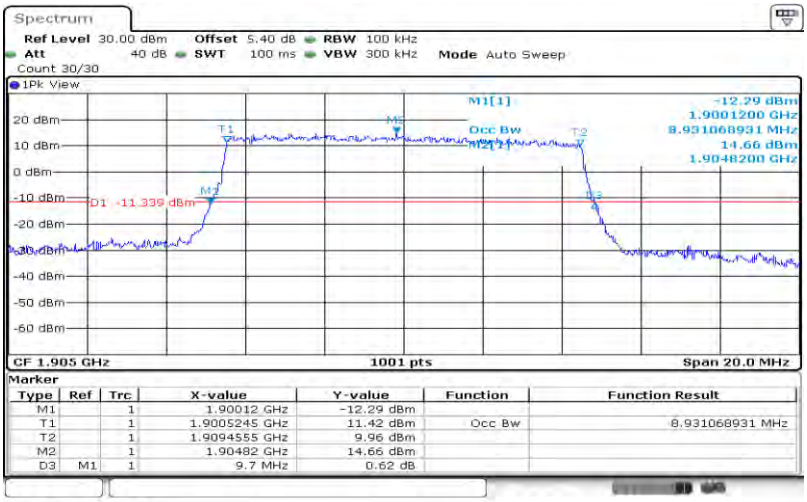
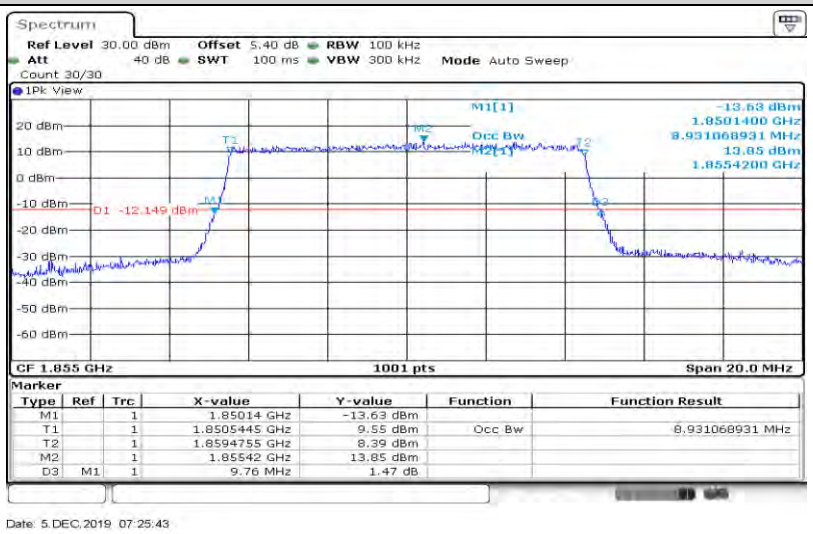


Band2-10MHz-16QAM-18650-50RB#0-8.931



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

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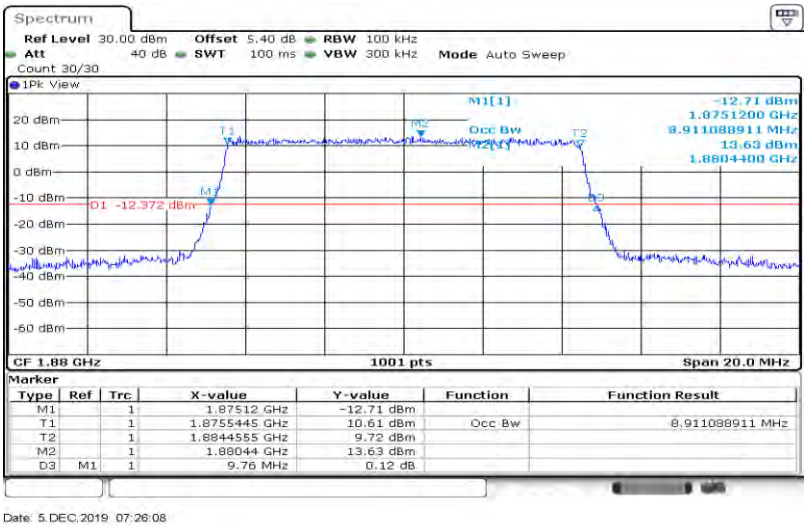
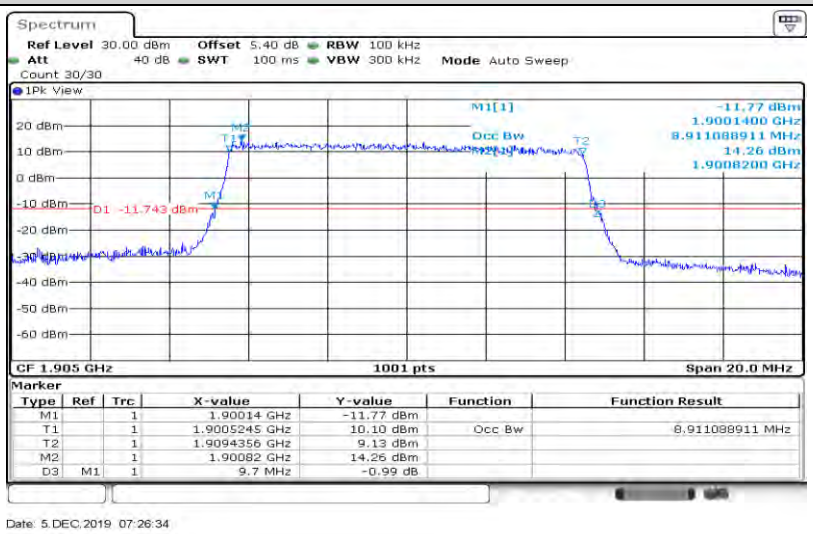


Band2-10MHz-16QAM-19150-50RB#0-8.911



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

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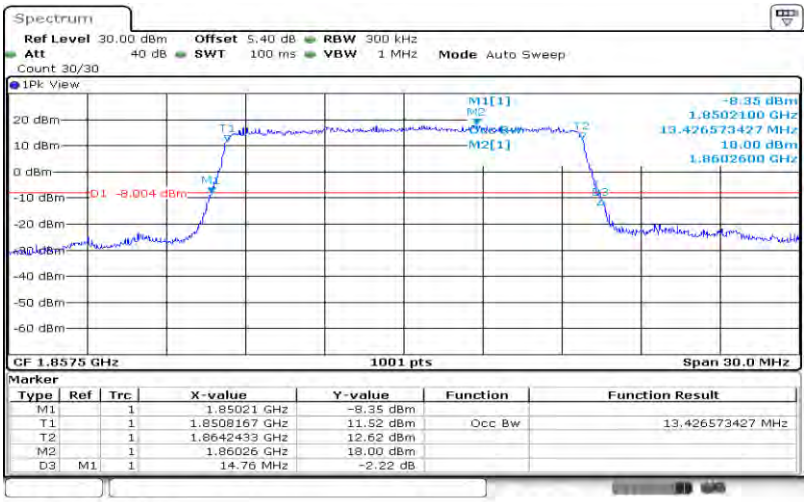
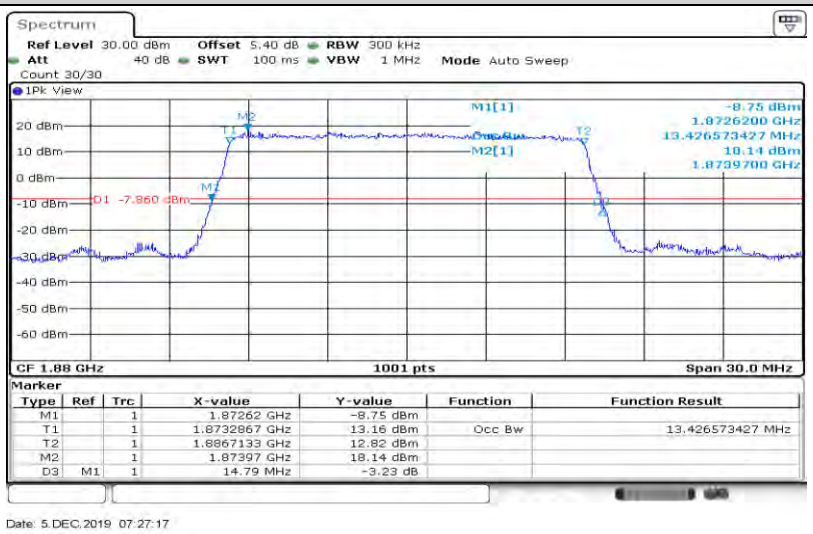


Band2-15MHz-QPSK-18900-75RB#0-13.427



Band2-15MHz-QPSK-19125-75RB#0-13.367

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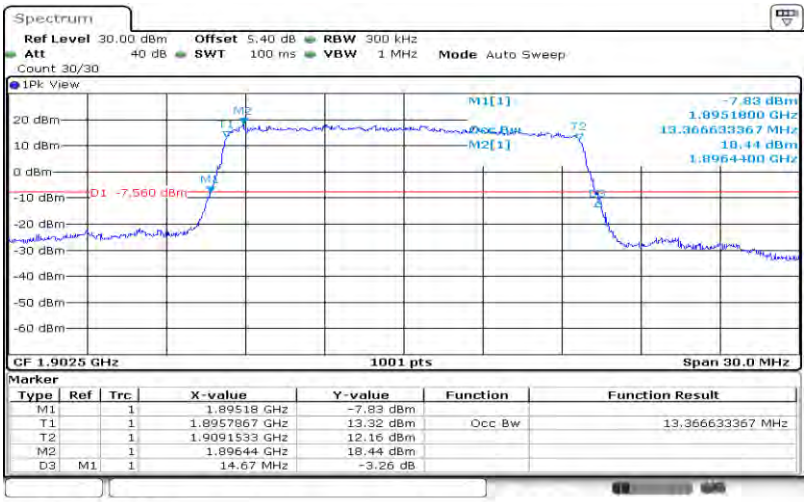
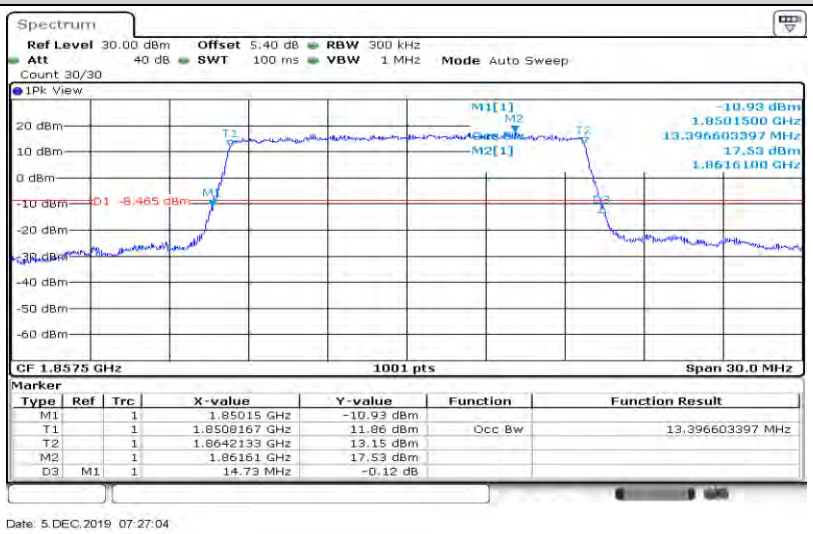


Band2-15MHz-16QAM-18675-75RB#0-13.397



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

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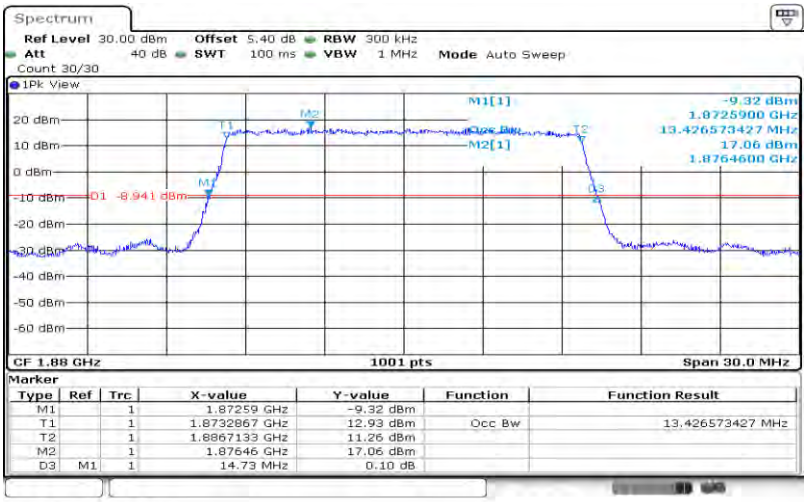

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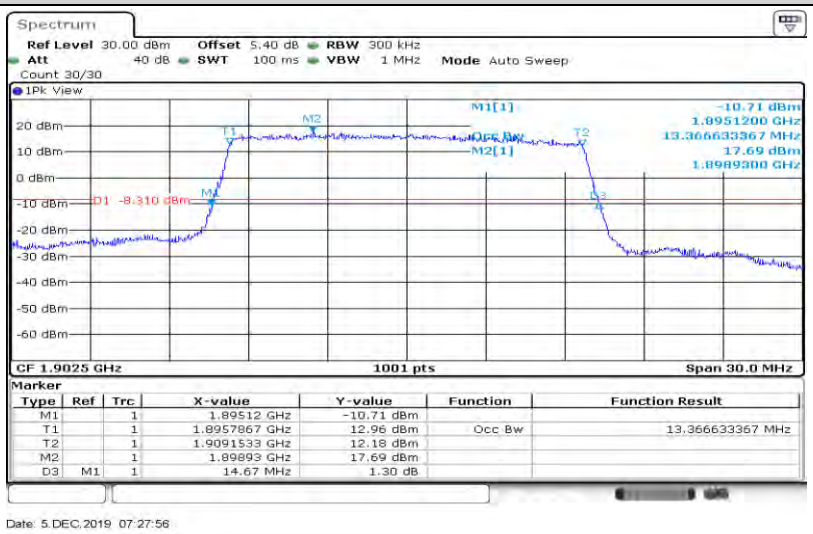

Band2-20MHz-QPSK-18700-100RB#0-17.822

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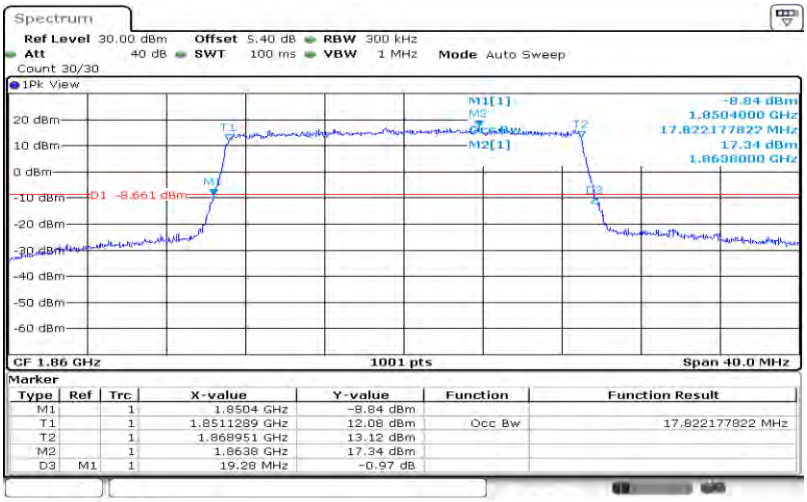
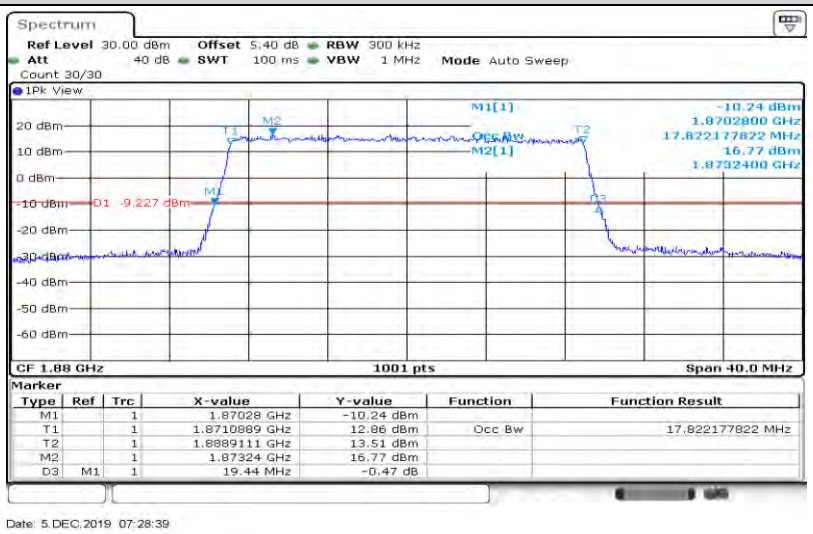


Band2-20MHz-QPSK-18900-100RB#0-17.822



Band2-20MHz-QPSK-19100-100RB#0-17.782

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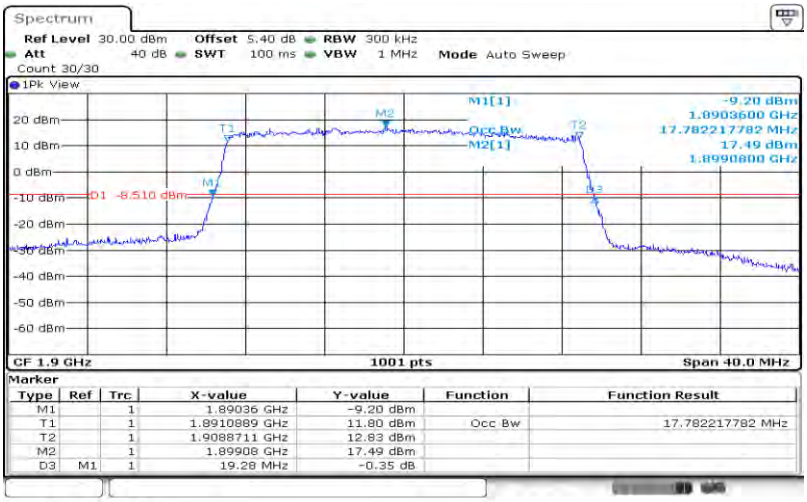
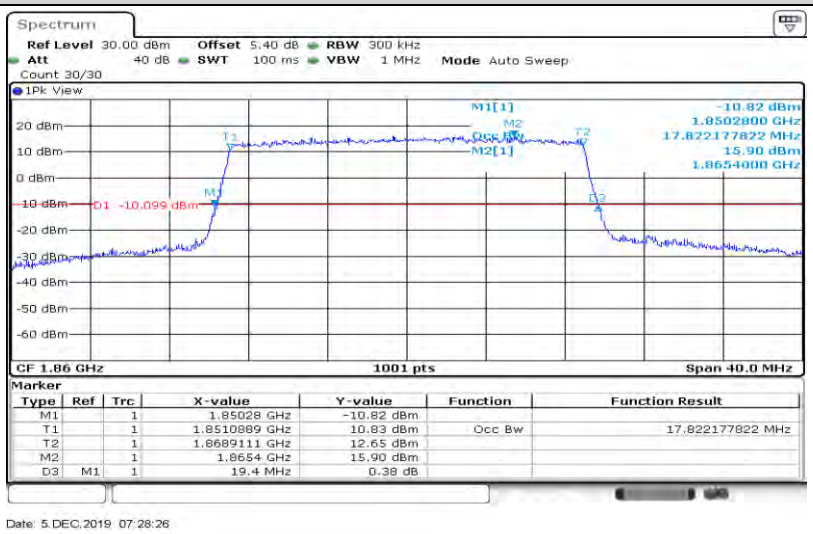


Band2-20MHz-16QAM-18700-100RB#0-17.822



Band2-20MHz-16QAM-18900-100RB#0-17.862

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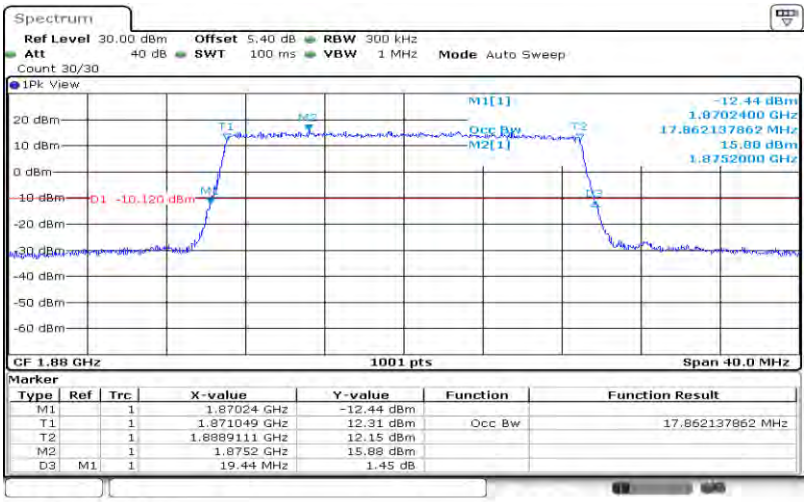

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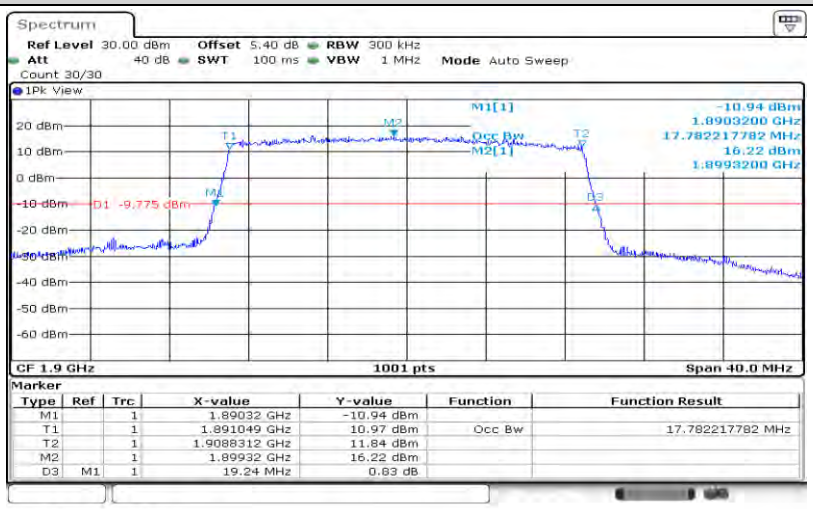

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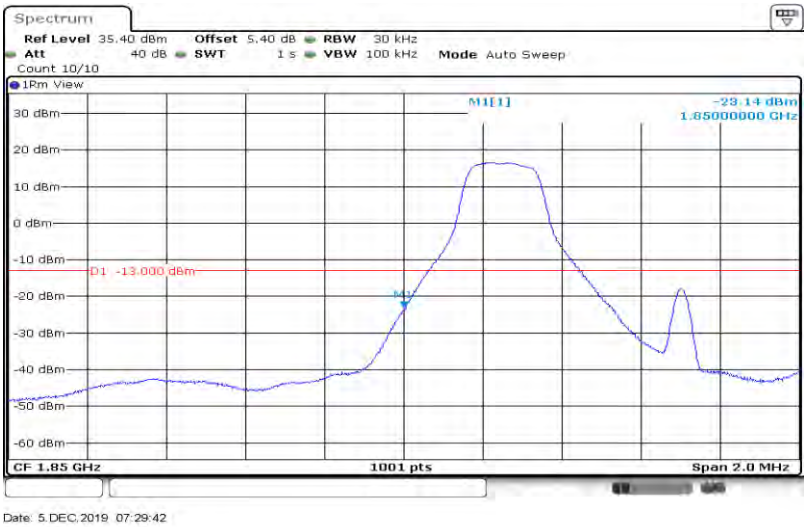
5. Band Edge Compliance

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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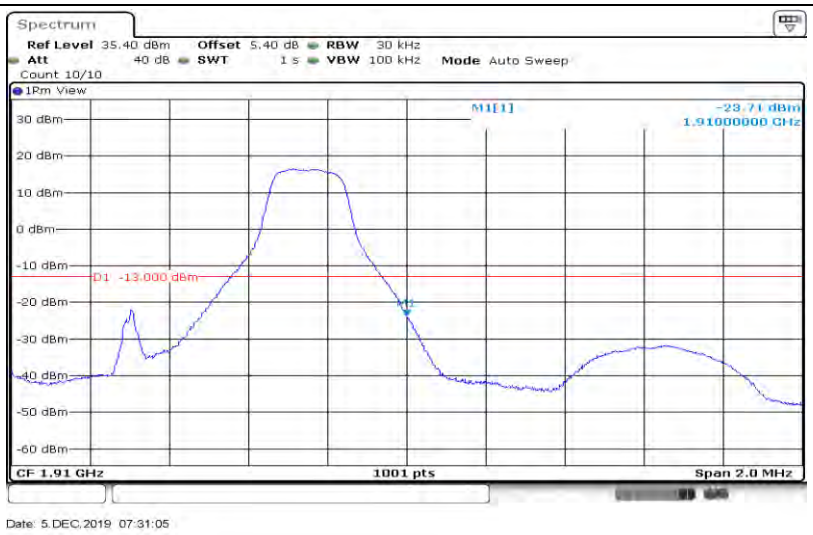

Band2-1.4MHz-QPSK-19193-6RB#0

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

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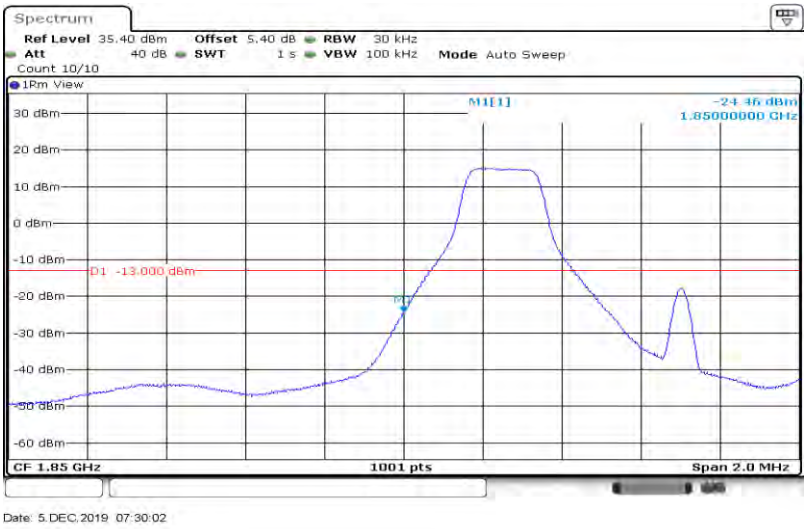

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Band2-1.4MHz-16QAM-19193-1RB#5

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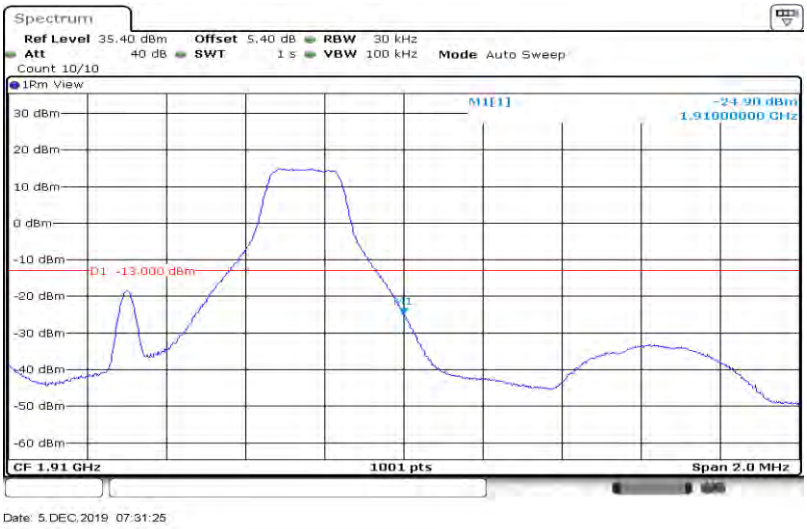

Band2-1.4MHz-16QAM-19193-6RB#0

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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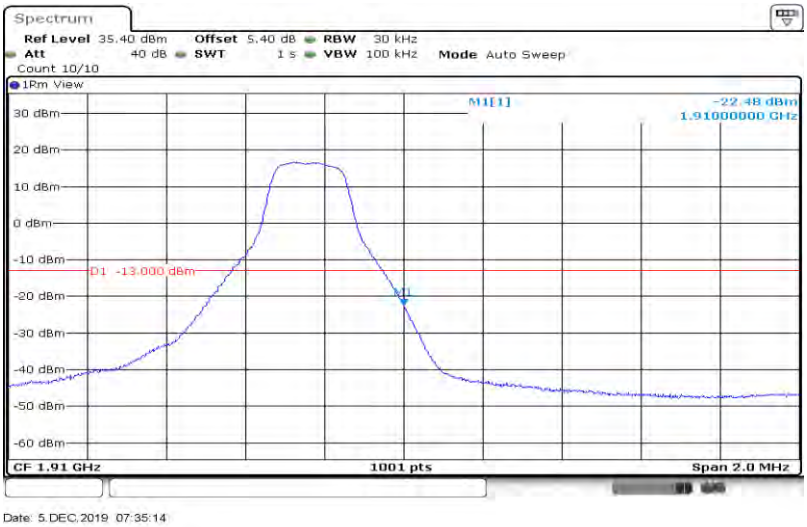

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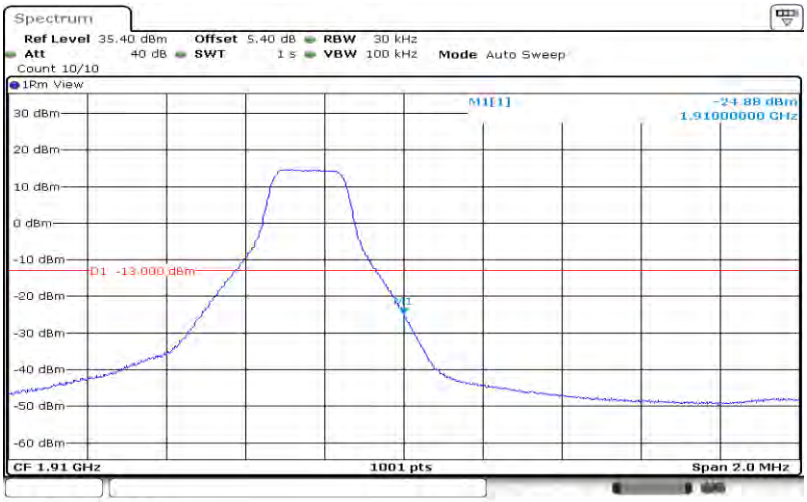

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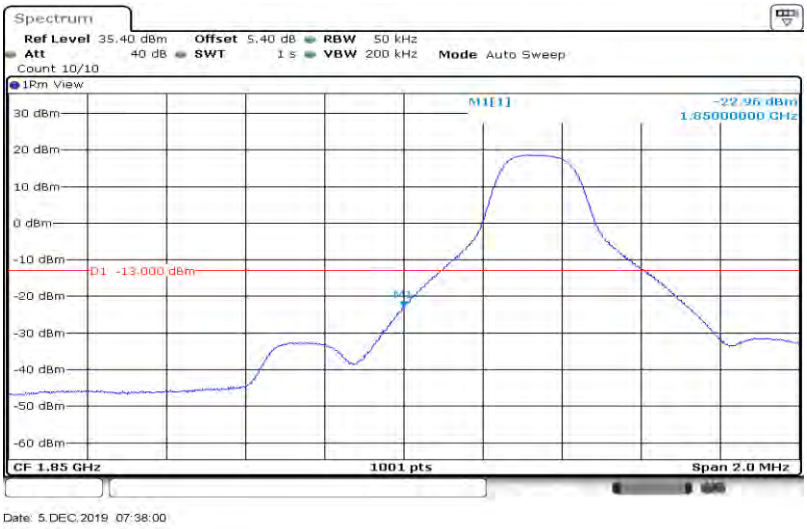

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Band2-5MHz-QPSK-19175-1RB#24

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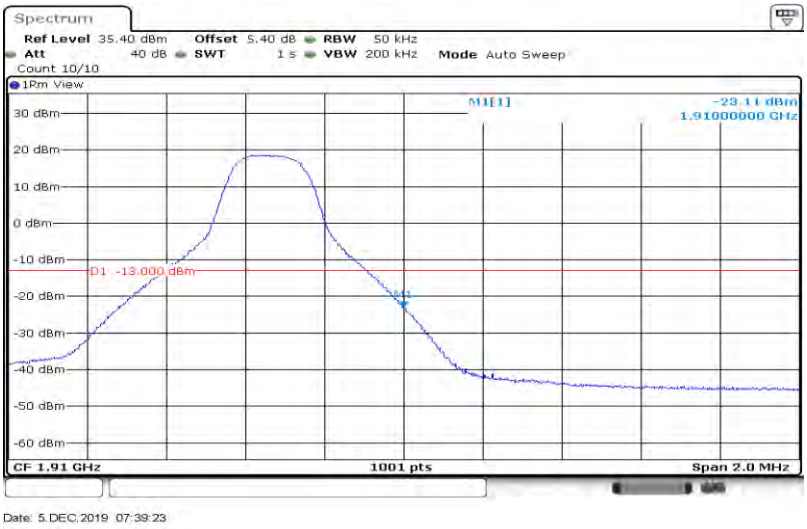

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Band2-5MHz-16QAM-18625-1RB#0

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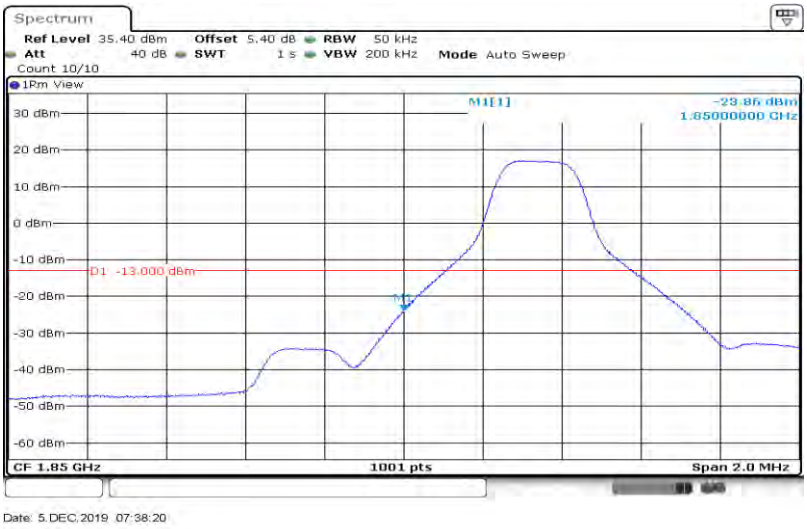

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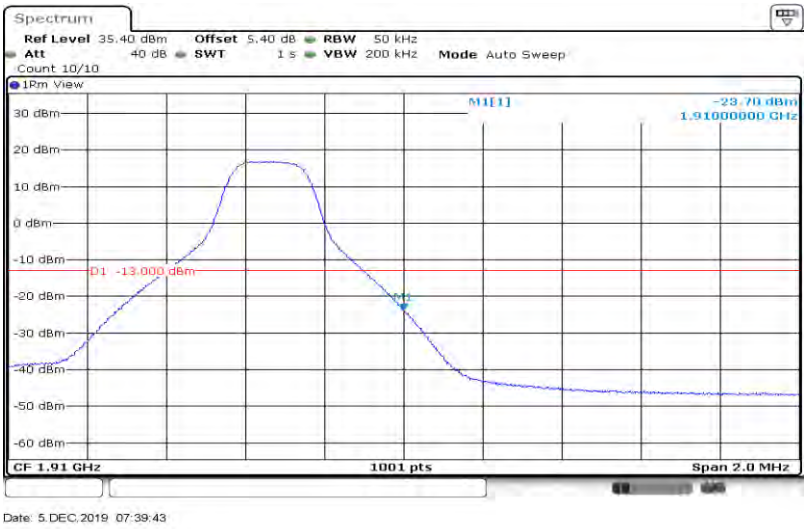

Band2-5MHz-16QAM-19175-25RB#0

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

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

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

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

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

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

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

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

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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

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

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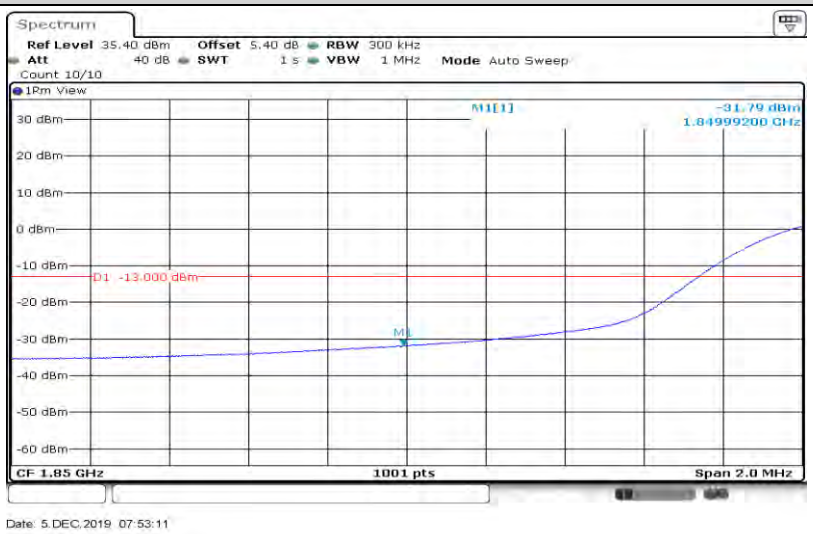
Band2-20MHz-QPSK-18700-100RB#0



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

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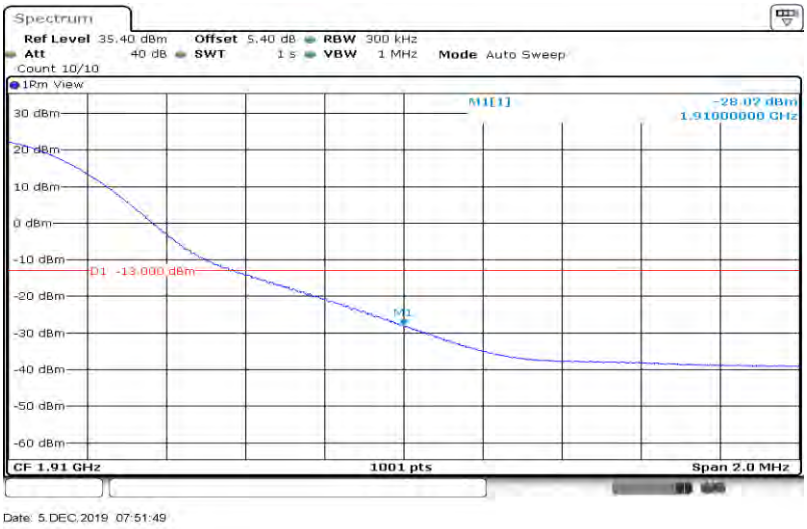
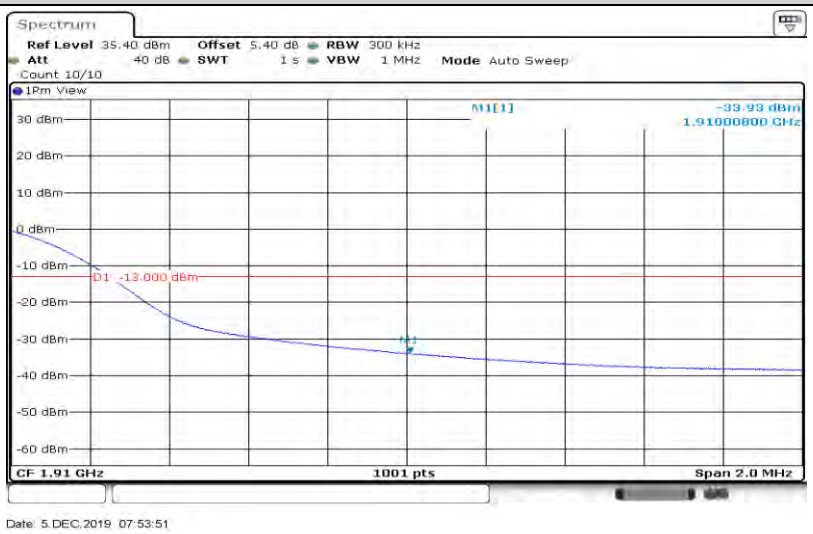


Band2-20MHz-QPSK-19100-100RB#0



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

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

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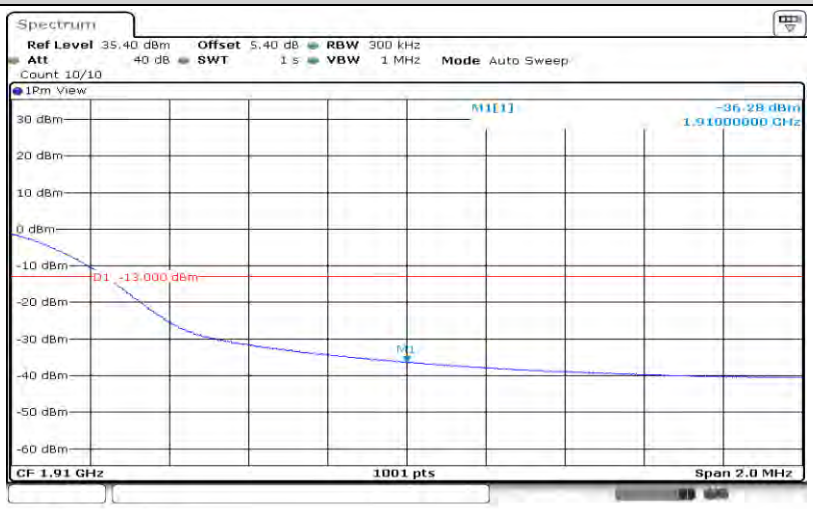
Date: 5.DEC.2019 07:52:08

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



Date: 5.DEC.2019 07:54:10

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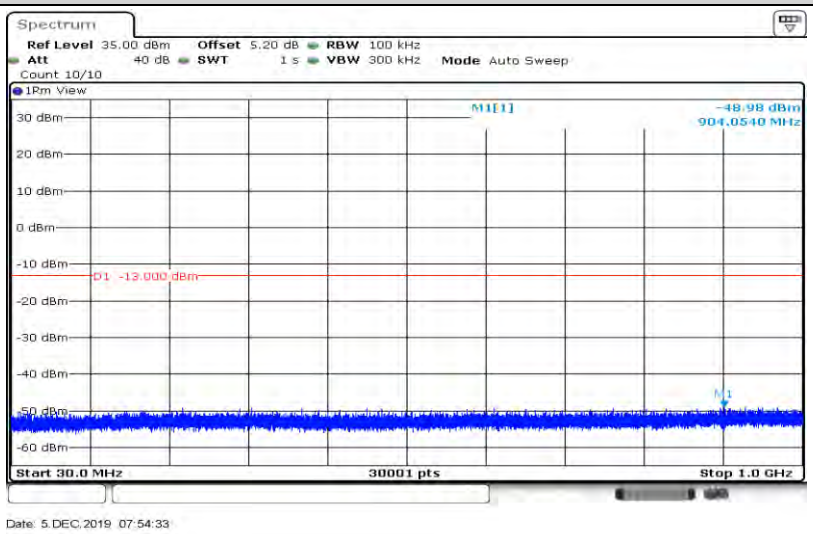
6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

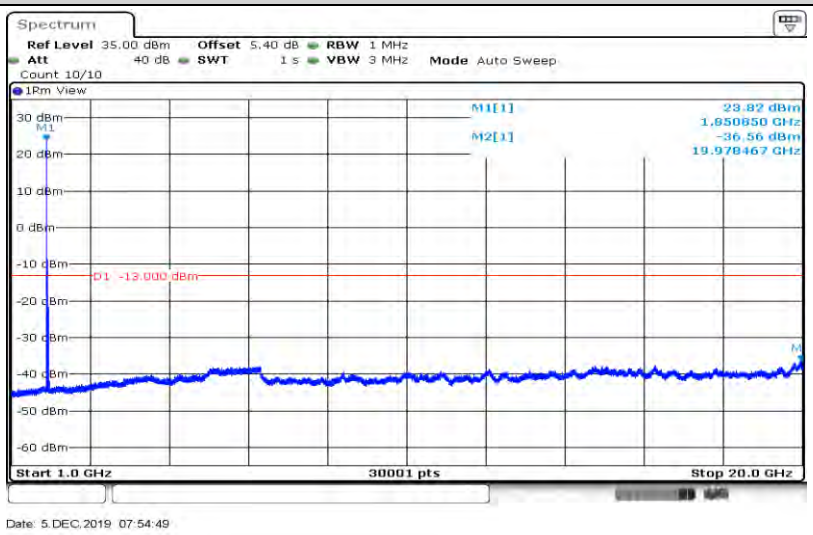
Remark2: only the worst case data displayed in this report.

6.1. Test Plots

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



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



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

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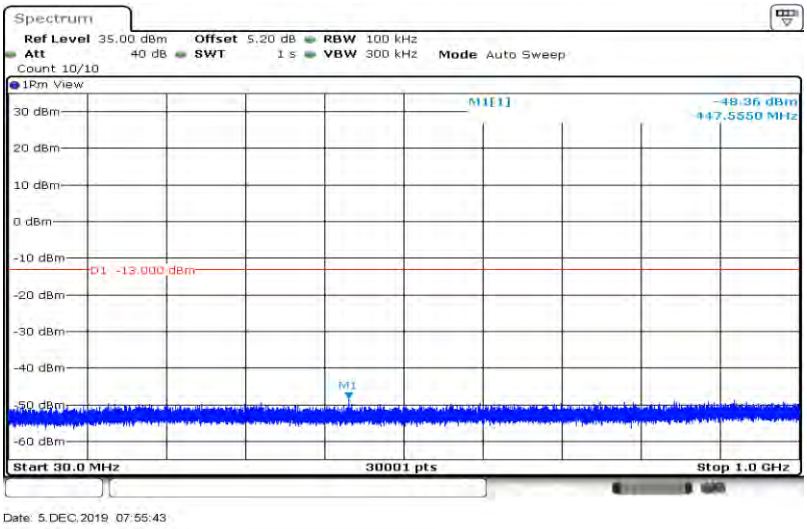
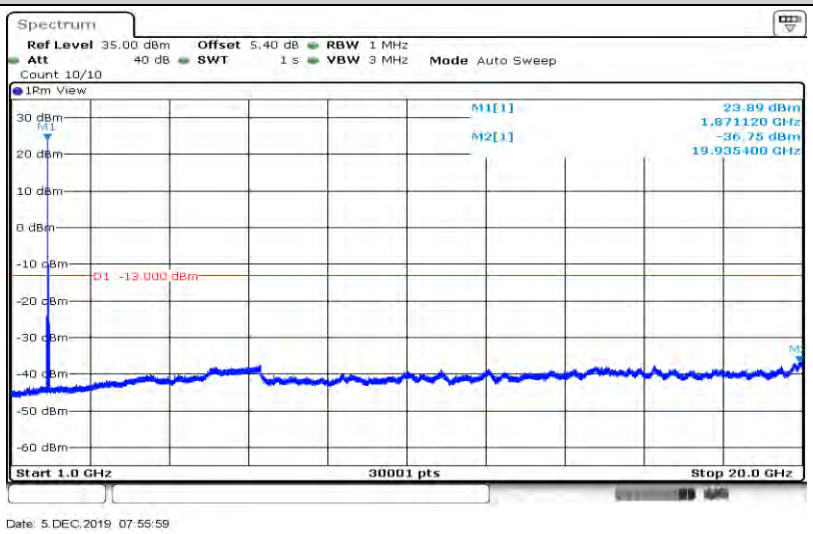


Band2-20MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz



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

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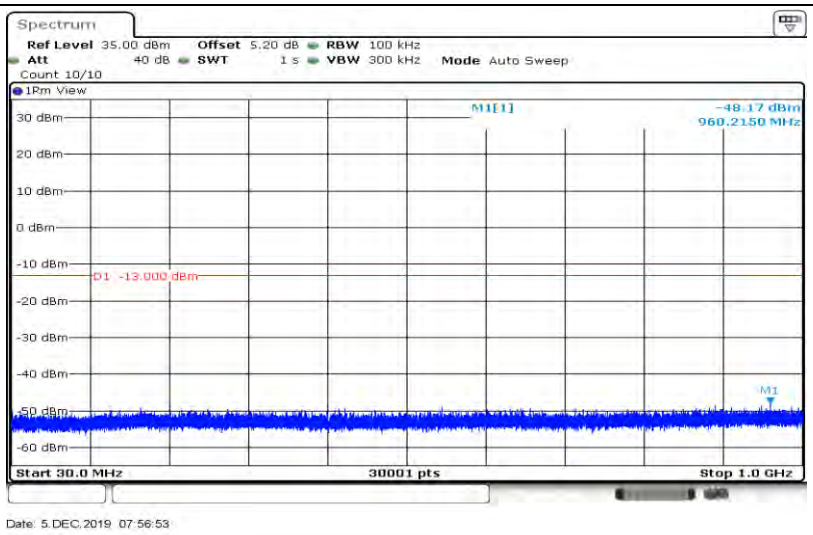
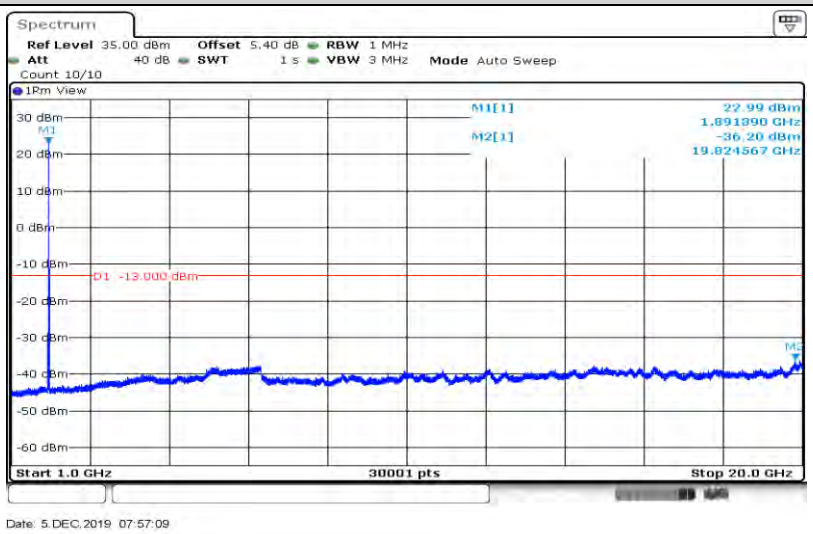


Band2-20MHz-QPSK-19100-1RB#0-Range2:1000~20000MHz



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

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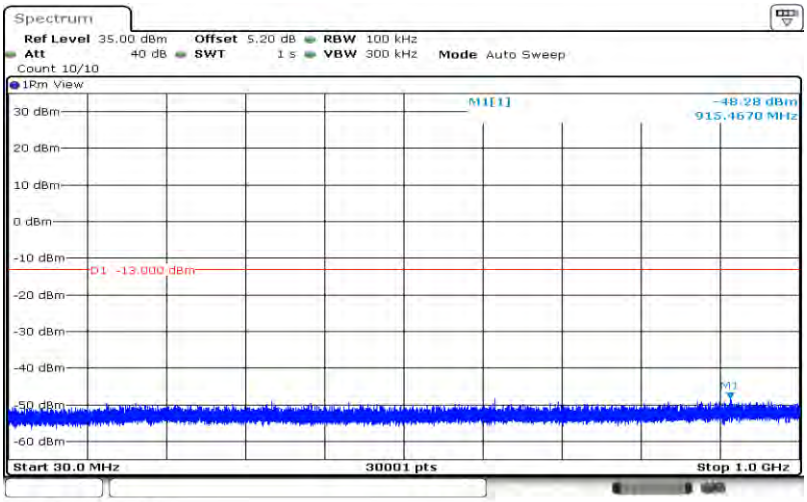
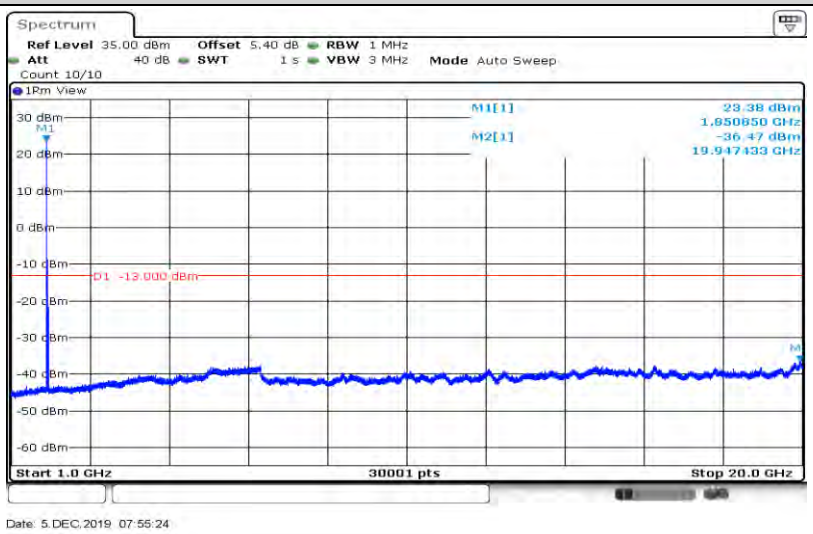


Band2-20MHz-16QAM-18700-1RB#0-Range2:1000~20000MHz



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

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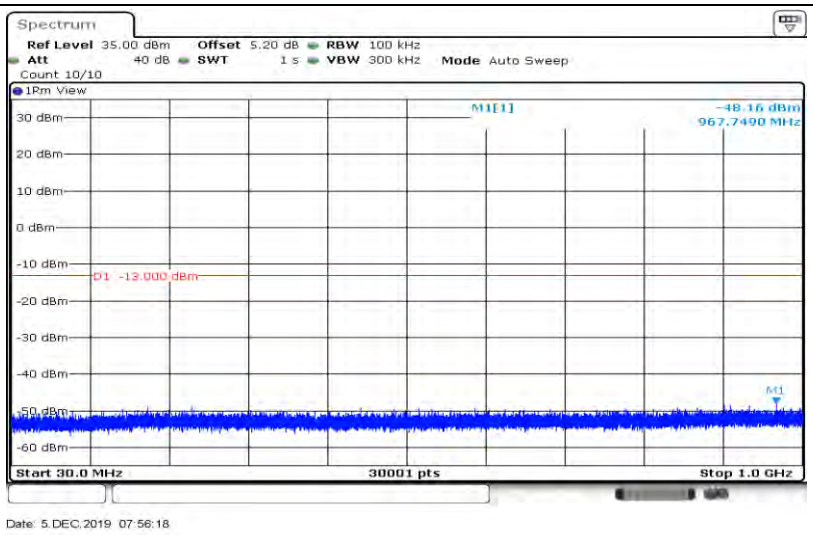

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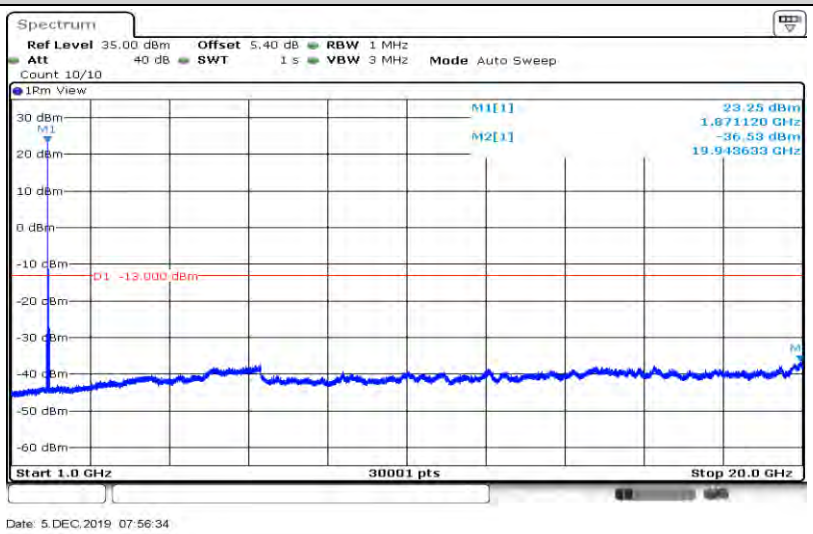

Band2-20MHz-16QAM-19100-1RB#0-Range1:30~1000MHz

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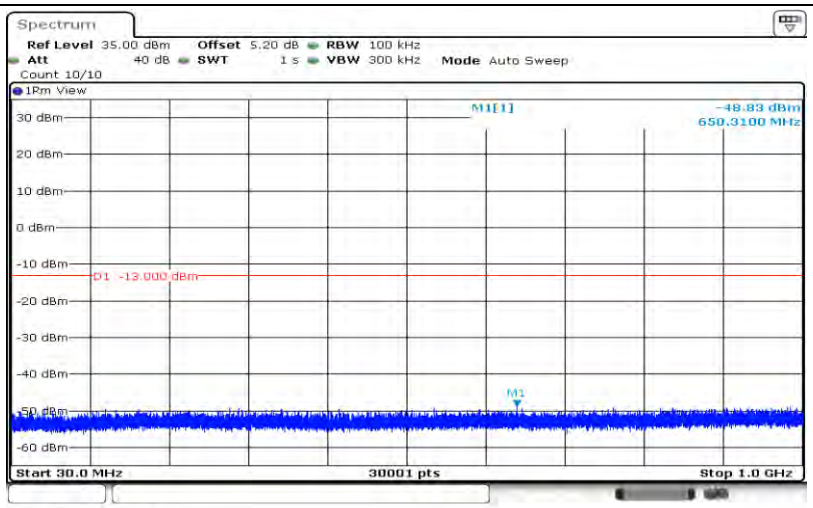
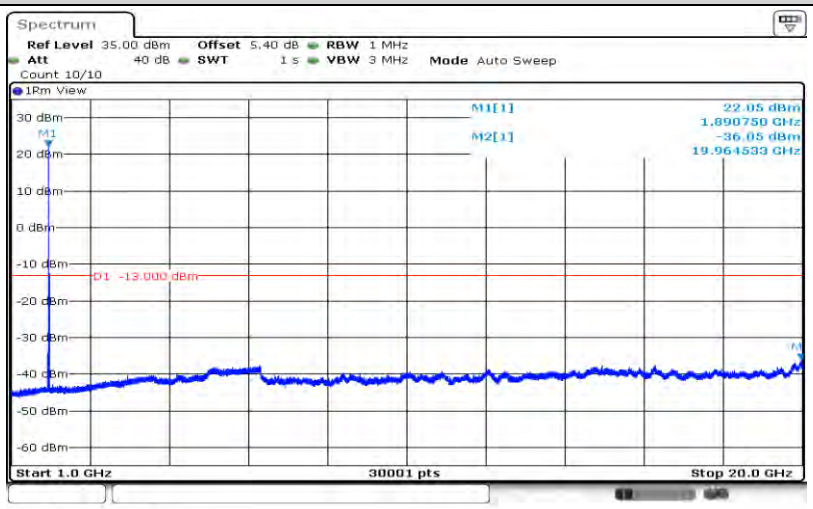


Date: 5.DEC.2019 07:57:28

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
110.0775	-64.86	-13.00	51.86	271	58	Vertical
2707.9416	-37.28	-13.00	24.28	245	284	Vertical
3742.0247	-45.11	-13.00	32.11	265	108	Vertical
5613.5871	-48.62	-13.00	35.62	284	82	Vertical
7484.1495	-50.01	-13.00	37.01	271	330	Vertical
17999.0000	-33.04	-13.00	20.04	258	281	Vertical
42.2711	-63.48	-13.00	50.48	174	306	Horizontal
2701.1402	-36.03	-13.00	23.03	165	278	Horizontal
3742.0247	-45.93	-13.00	32.93	184	231	Horizontal
5613.5871	-51.61	-13.00	38.61	175	182	Horizontal
7484.6495	-47.00	-13.00	34.00	196	8	Horizontal
17999.5000	-38.19	-13.00	25.19	188	8	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
108.6224	-64.86	-13.00	51.86	271	157	Vertical
2668.7337	-37.83	-13.00	24.83	254	336	Vertical
3702.5234	-40.79	-13.00	27.79	236	231	Vertical
5553.0851	-52.22	-13.00	39.22	241	281	Vertical
7404.6468	-50.44	-13.00	37.44	284	107	Vertical
17995.4999	-33.87	-13.00	20.87	259	157	Vertical
46.6363	-63.58	-13.00	50.58	174	132	Horizontal
2715.5431	-36.71	-13.00	23.71	165	67	Horizontal
3702.0234	-38.99	-13.00	25.99	184	232	Horizontal
5553.0851	-55.06	-13.00	42.06	195	307	Horizontal
7404.6468	-50.35	-13.00	37.35	174	8	Horizontal
17997.9999	-38.57	-13.00	25.57	162	81	Horizontal

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7.1.3.Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
111.3871	-64.50	-13.00	51.50	271	89	Vertical
2698.7397	-37.33	-13.00	24.33	254	4	Vertical
3782.0261	-40.38	-13.00	27.38	236	220	Vertical
5673.5891	-49.95	-13.00	36.95	284	302	Vertical
7564.1521	-51.13	-13.00	38.13	271	114	Vertical
17996.4999	-33.64	-13.00	20.64	259	195	Vertical
44.1142	-63.85	-13.00	50.85	184	231	Horizontal
2699.9400	-36.20	-13.00	23.20	175	17	Horizontal
3782.0261	-37.84	-13.00	24.84	185	231	Horizontal
5673.0891	-50.46	-13.00	37.46	175	231	Horizontal
7564.1521	-51.30	-13.00	38.30	196	349	Horizontal
17994.4998	-38.25	-13.00	25.25	185	231	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	1.10	0.000591	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	1.80	0.000968	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	-0.10	-0.000054	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-2.10	-0.001117	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-3.40	-0.001809	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-3.70	-0.001968	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	-2.50	-0.001316	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-2.10	-0.001105	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-1.90	-0.001000	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	0.80	0.000430	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	0.90	0.000484	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	2.00	0.001075	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-2.60	-0.001383	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-2.70	-0.001436	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	-4.40	-0.002340	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	-3.50	-0.001842	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	-1.80	-0.000947	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	-3.80	-0.002000	±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	0.20	0.000108	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	1.40	0.000753	±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	0.10	0.000054	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	0.40	0.000215	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	-0.60	-0.000323	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	0.50	0.000269	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	1.40	0.000753	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-4.80	-0.002553	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-4.60	-0.002447	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-2.20	-0.001170	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-2.20	-0.001170	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-3.90	-0.002074	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-3.60	-0.001915	±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	-3.70	-0.001968	±2.5	PASS

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Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-2.40	-0.001263	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	-4.70	-0.002474	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	-2.60	-0.001368	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-4.00	-0.002105	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-2.00	-0.001053	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	-2.40	-0.001263	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	-1.50	-0.000789	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	-2.80	-0.001474	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	1.50	0.000806	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	0.20	0.000108	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	-0.50	-0.000269	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	-0.80	-0.000430	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	0.50	0.000269	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	0.90	0.000484	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	-0.60	-0.000323	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	0.40	0.000215	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-5.60	-0.002979	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-5.20	-0.002766	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-2.20	-0.001170	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-4.00	-0.002128	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-3.00	-0.001596	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-4.10	-0.002181	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	-4.30	-0.002287	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-2.90	-0.001543	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-2.70	-0.001421	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	-3.50	-0.001842	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	-1.10	-0.000579	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-2.30	-0.001211	±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	30	-1.80	-0.000947	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-2.00	-0.001053	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-2.80	-0.001474	±2.5	PASS

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