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	23.61	23.41	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.70	23.50	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.59	23.39	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	23.63	23.43	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	23.61	23.41	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	23.87	23.67	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.67	22.47	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.71	23.51	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.65	23.45	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.80	23.60	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	23.66	23.46	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	23.88	23.68	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	23.89	23.69	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.66	22.46	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.55	23.35	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.20	23.00	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.63	23.43	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	23.76	23.56	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	23.40	23.20	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	23.69	23.49	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.74	22.54	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.58	22.38	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.05	21.85	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.43	22.23	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	22.85	22.65	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	22.97	22.77	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	22.89	22.69	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.74	21.54	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.61	22.41	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.11	21.91	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.22	22.02	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	22.82	22.62	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	22.80	22.60	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	22.80	22.60	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.86	21.66	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.43	22.23	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.15	21.95	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.64	22.44	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	22.81	22.61	33.00	PASS

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Band2	1.4MHz	16QAM	19193	3RB#1	22.79	22.59	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	22.78	22.58	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.66	21.46	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.65	23.45	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.85	23.65	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.49	23.29	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	22.66	22.46	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	22.73	22.53	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	22.46	22.26	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.56	22.36	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.62	23.42	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.65	23.45	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.78	23.58	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	22.77	22.57	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	22.63	22.43	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	22.83	22.63	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.74	22.54	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.30	23.10	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.27	23.07	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.78	23.58	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#4	22.52	22.32	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	22.56	22.36	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	22.37	22.17	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.78	22.58	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.26	22.06	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.22	22.02	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.31	22.11	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	21.55	21.35	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	21.67	21.47	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	21.63	21.43	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.71	21.51	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.18	21.98	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.52	22.32	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.09	21.89	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	21.59	21.39	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	21.53	21.33	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	21.48	21.28	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.81	21.61	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.24	22.04	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.19	21.99	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.19	21.99	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	21.48	21.28	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	21.48	21.28	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#4	21.75	21.55	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.73	21.53	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.76	23.56	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.73	23.53	33.00	PASS

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Band2	5MHz	QPSK	18625	1RB#0	23.54	23.34	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	22.69	22.49	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	22.54	22.34	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	22.75	22.55	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.62	22.42	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.67	23.47	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.73	23.53	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.52	23.32	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.68	22.48	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	22.49	22.29	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	22.77	22.57	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.71	22.51	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.68	23.48	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.24	23.04	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.09	22.89	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	22.98	22.78	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	22.46	22.26	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	22.33	22.13	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.67	22.47	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.01	21.81	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.63	22.43	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.69	22.49	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	21.77	21.57	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#0	21.50	21.30	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	21.62	21.42	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.67	21.47	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.25	22.05	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.81	22.61	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.12	21.92	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	21.52	21.32	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.48	21.28	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	21.63	21.43	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.67	21.47	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.14	21.94	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.94	21.74	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.39	22.19	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	21.57	21.37	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	21.41	21.21	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	21.66	21.46	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.65	21.45	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.67	23.47	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.55	23.35	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.36	23.16	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#12	22.78	22.58	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#0	22.87	22.67	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	22.62	22.42	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.64	22.44	33.00	PASS

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Band2	10MHz	QPSK	18900	1RB#49	23.90	23.70	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.62	23.42	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.89	23.69	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	22.67	22.47	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	22.83	22.63	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	22.88	22.68	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.67	22.47	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.25	23.05	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.16	22.96	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.47	23.27	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	22.54	22.34	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	22.62	22.42	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#12	22.84	22.64	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.54	22.34	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.82	22.62	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.31	22.11	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.17	21.97	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	21.77	21.57	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	21.76	21.56	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	21.74	21.54	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.77	21.57	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.25	22.05	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.16	21.96	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.41	22.21	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#25	21.67	21.47	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#12	21.71	21.51	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#0	21.82	21.62	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.73	21.53	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.46	22.26	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.63	22.43	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.13	21.93	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	21.59	21.39	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	21.57	21.37	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	21.85	21.65	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.60	21.40	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.00	22.80	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.74	23.54	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.73	23.53	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	22.49	22.29	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	22.73	22.53	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	22.69	22.49	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.76	22.56	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.76	23.56	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.86	23.66	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.60	23.40	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	22.60	22.40	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#39	22.89	22.69	33.00	PASS

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Band2	15MHz	QPSK	18900	36RB#18	22.81	22.61	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.74	22.54	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.32	23.12	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.95	23.75	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.44	23.24	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	22.85	22.65	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	22.61	22.41	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	22.69	22.49	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.65	22.45	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.66	22.46	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.77	22.57	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.69	22.49	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#0	21.72	21.52	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	21.81	21.61	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	21.76	21.56	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.72	21.52	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.22	22.02	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.17	21.97	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.22	22.02	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	21.79	21.59	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	21.62	21.42	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	21.76	21.56	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.69	21.49	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.51	22.31	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.61	22.41	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.54	22.34	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	21.76	21.56	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	21.50	21.30	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	21.77	21.57	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.80	21.60	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.24	23.04	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.74	23.54	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.54	23.34	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	22.70	22.50	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#0	22.55	22.35	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	22.32	22.12	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.79	22.59	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.81	23.61	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.51	23.31	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.63	23.43	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	22.73	22.53	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	22.71	22.51	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#50	22.84	22.64	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.65	22.45	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.75	23.55	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.73	23.53	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.52	23.32	33.00	PASS

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Band2	20MHz	QPSK	19100	50RB#0	22.69	22.49	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.80	22.60	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	22.97	22.77	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.67	22.47	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.35	22.15	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.23	22.03	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.46	22.26	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	21.69	21.49	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	21.81	21.61	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	21.84	21.64	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.74	21.54	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.11	21.91	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.41	22.21	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.26	22.06	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	21.69	21.49	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	21.77	21.57	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	21.78	21.58	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.79	21.59	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.38	22.18	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.22	22.02	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.17	21.97	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	21.55	21.35	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	21.78	21.58	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	21.68	21.48	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.57	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	4.49	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	4.78	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	4.84	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	5.30	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.74	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.74	13	PASS

2.2. Test Plots

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

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

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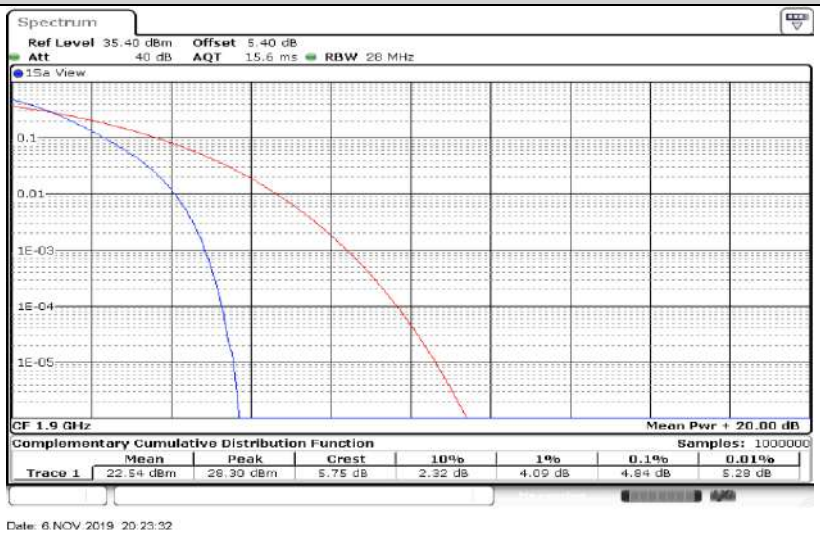
Band2-20MHz-QPSK-19100-100RB#0



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

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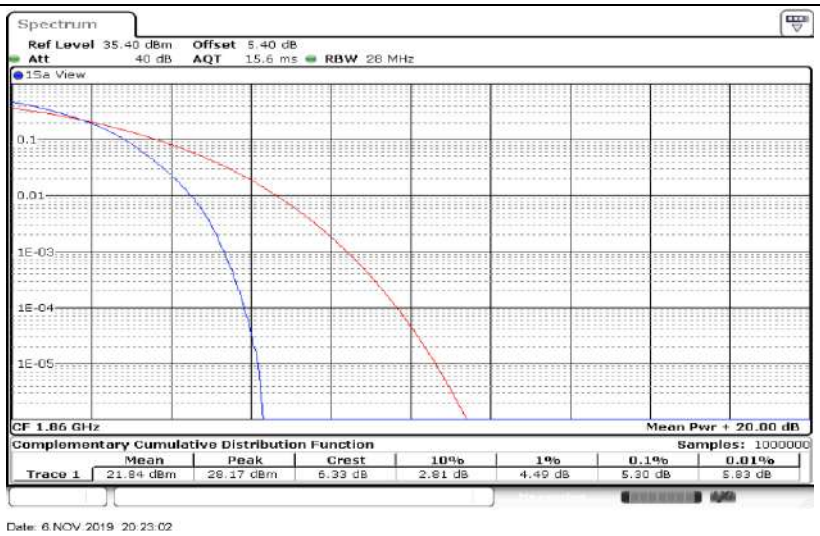

Band2-20MHz-16QAM-18900-100RB#0

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

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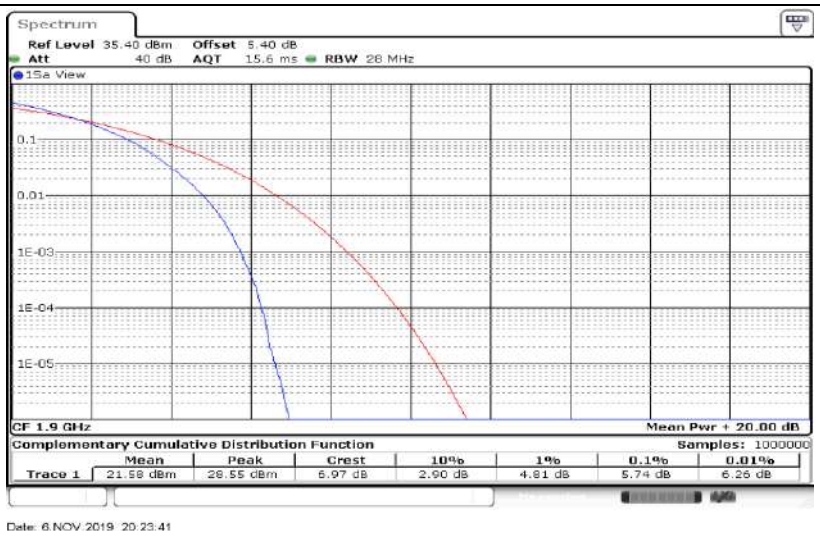

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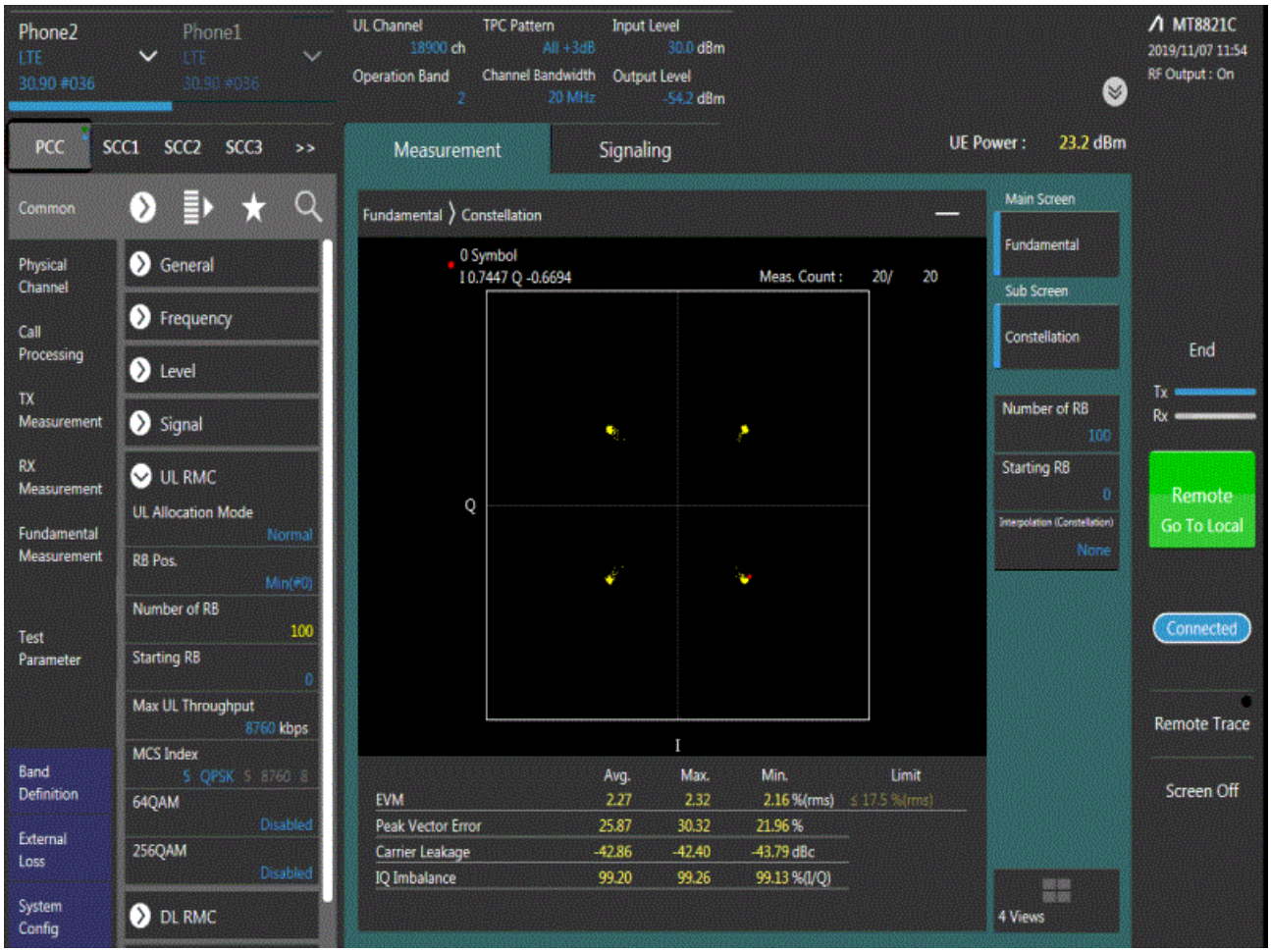
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



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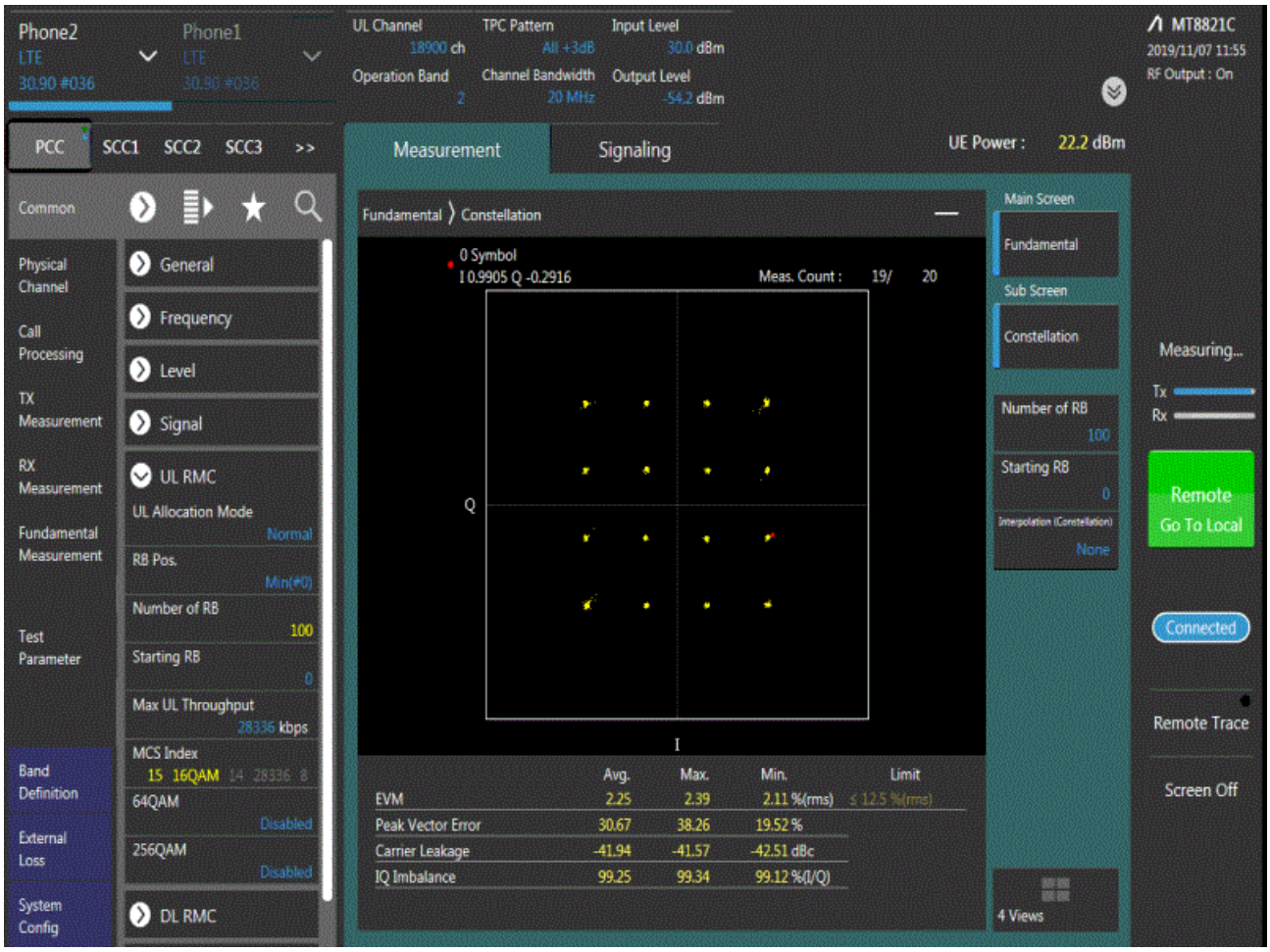
3.2. Test Mode = LTE /TM2 20MHz

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	1.103	1.296	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.100	1.290	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.109	1.359	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.100	1.305	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.097	1.308	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.103	1.365	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.703	2.970	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.697	2.988	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.709	2.994	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.697	3.006	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.697	2.982	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.697	2.988	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.486	4.960	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.466	4.930	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.476	4.950	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.476	4.890	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.486	4.970	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.476	4.940	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.911	9.720	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.911	9.740	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.911	9.700	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.911	9.680	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.931	9.720	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.911	9.600	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.427	17.910	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.457	14.820	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.427	14.670	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.427	14.730	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.457	14.820	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.457	14.730	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.822	19.240	PASS

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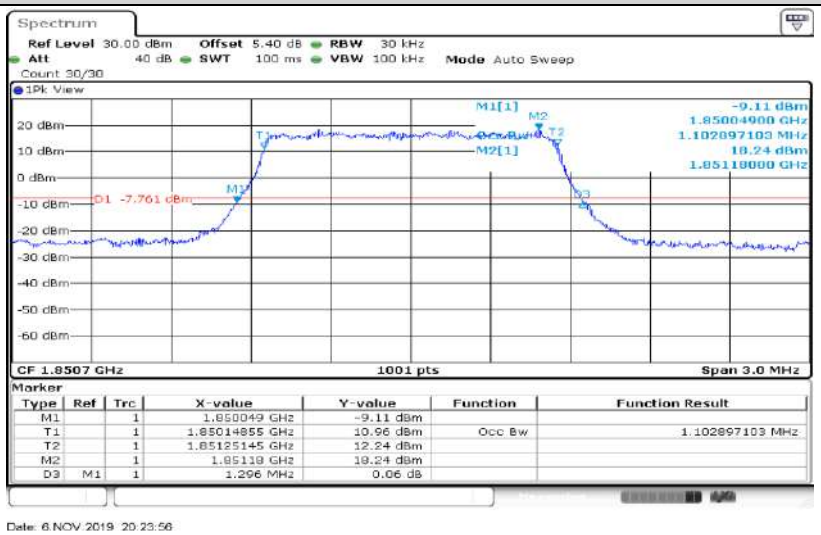
Band2	20MHz	QPSK	18900	100RB#0	17.902	19.520	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.862	19.400	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.862	19.400	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.862	19.360	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.902	19.600	PASS

4.2. Test Plots

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



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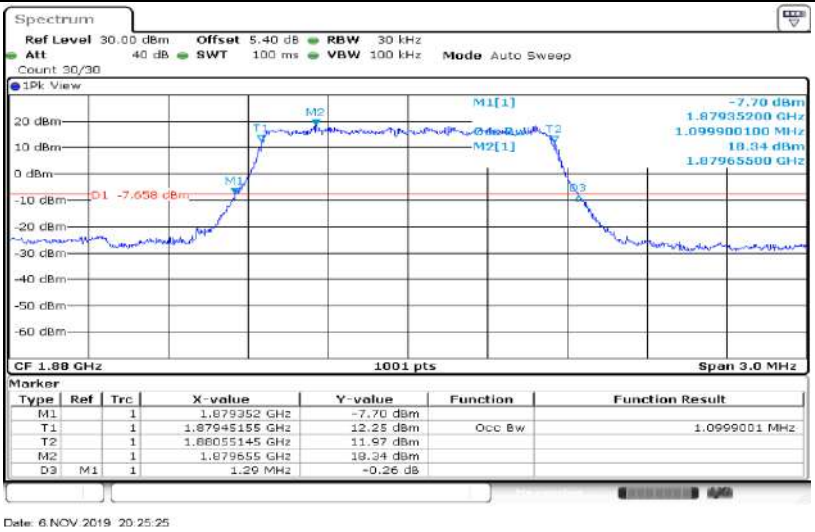

Band2-1.4MHz-QPSK-19193-6RB#0-1.109

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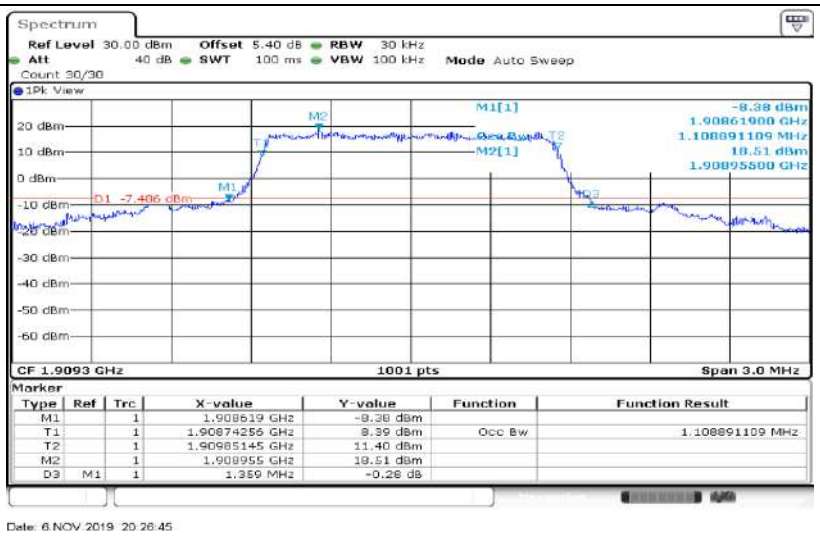
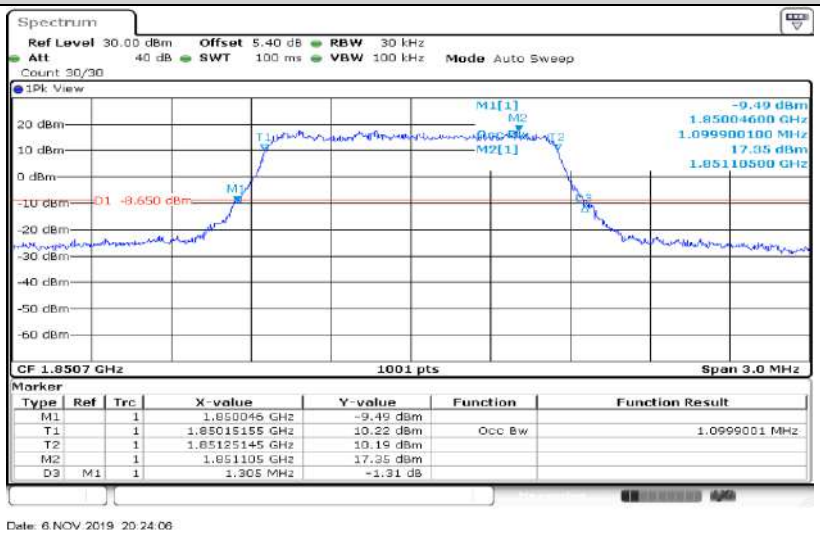


Band2-1.4MHz-16QAM-18607-6RB#0-1.1



Band2-1.4MHz-16QAM-18900-6RB#0-1.097

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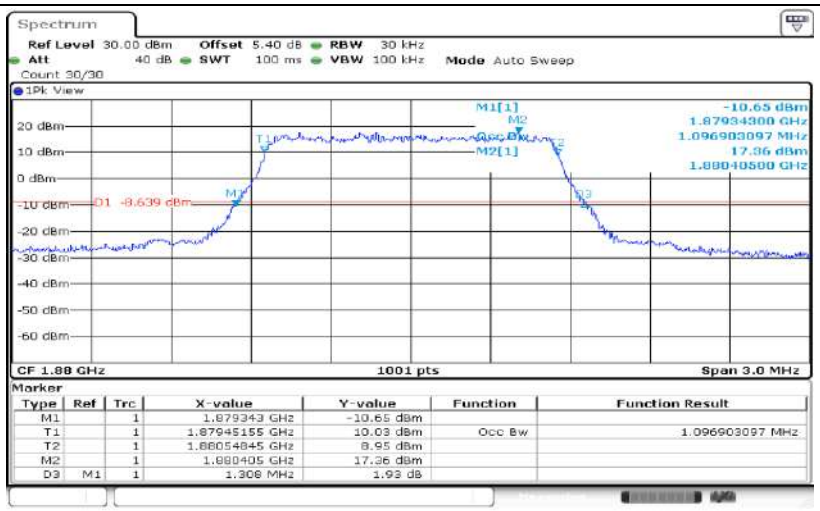
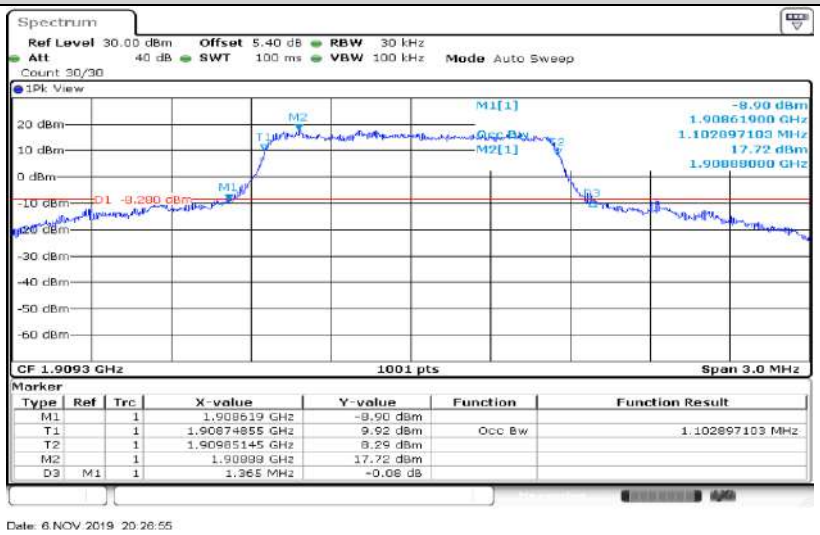


Band2-1.4MHz-16QAM-19193-6RB#0-1.103



Band2-3MHz-QPSK-18615-15RB#0-2.703

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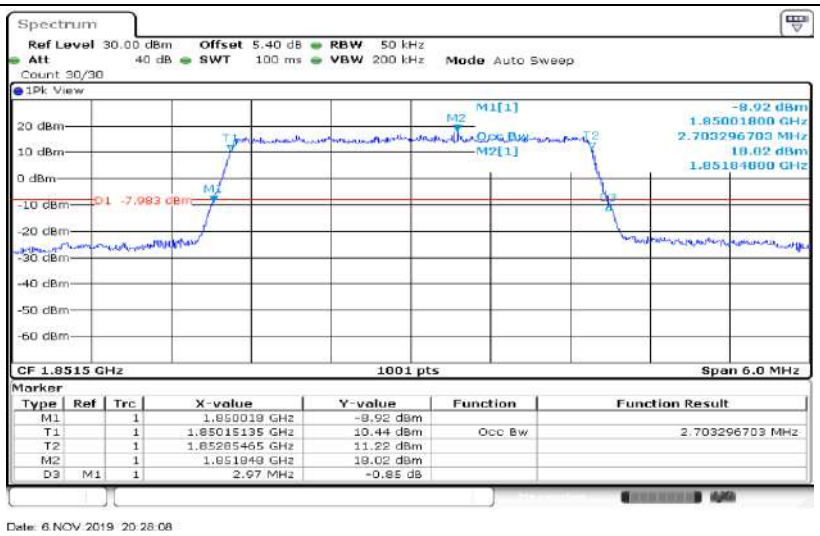
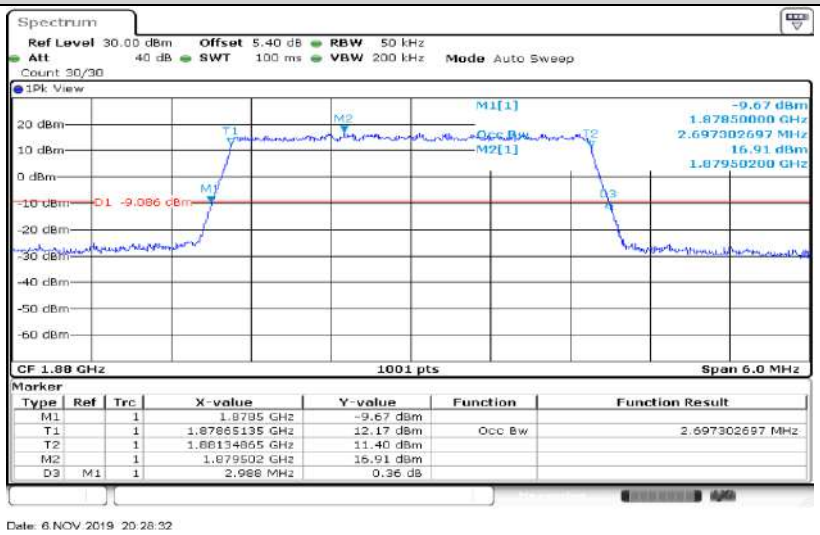


Band2-3MHz-QPSK-18900-15RB#0-2.697



Band2-3MHz-QPSK-19185-15RB#0-2.709

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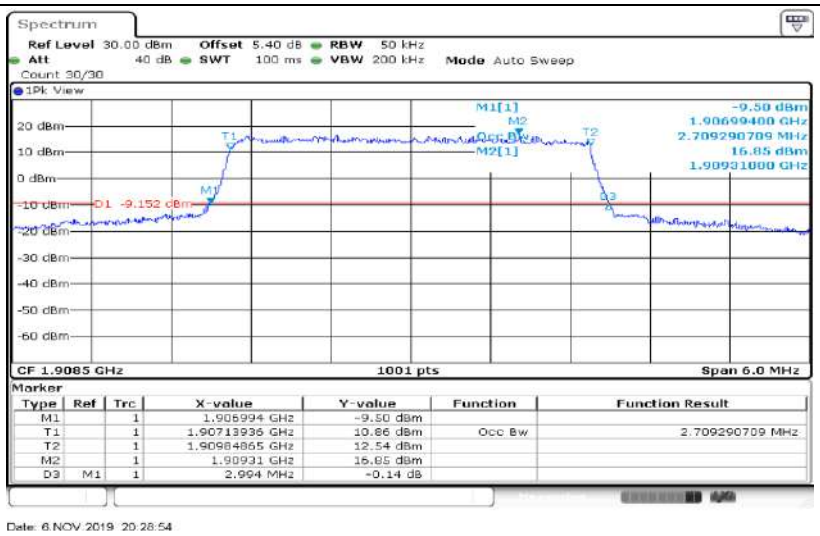
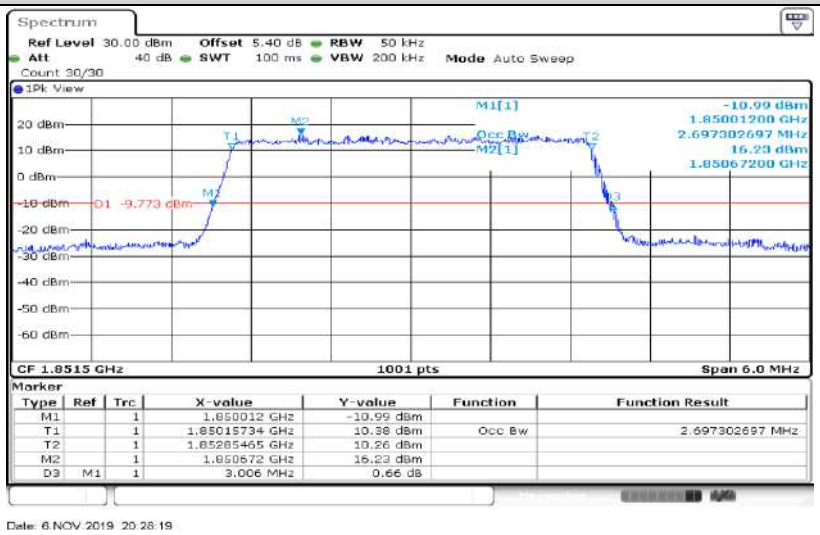


Band2-3MHz-16QAM-18615-15RB#0-2.697



Band2-3MHz-16QAM-18900-15RB#0-2.697

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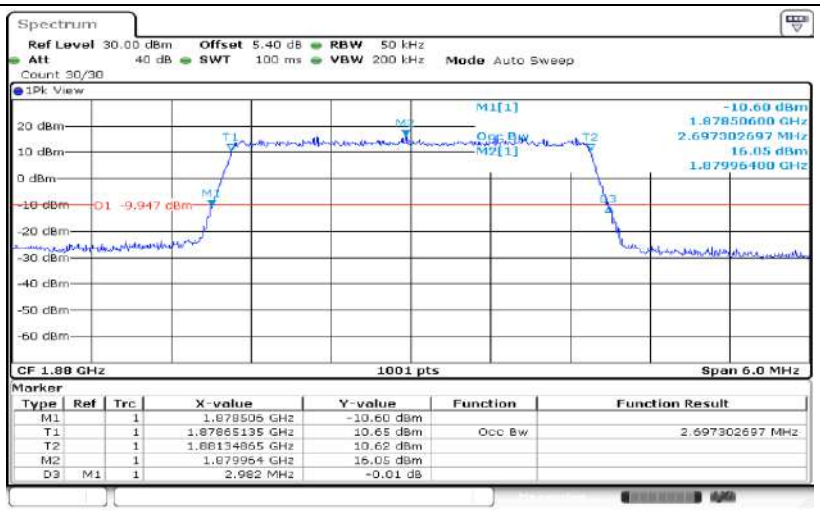

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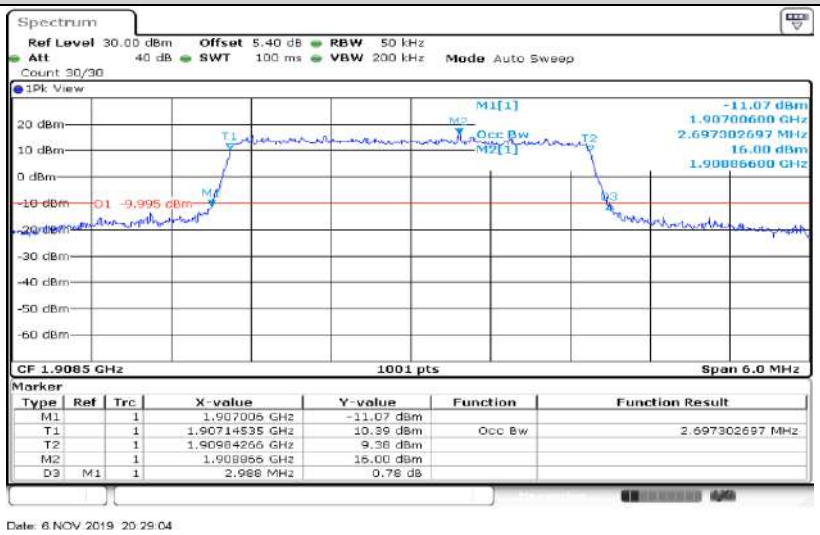

Band2-5MHz-QPSK-18625-25RB#0-4.486

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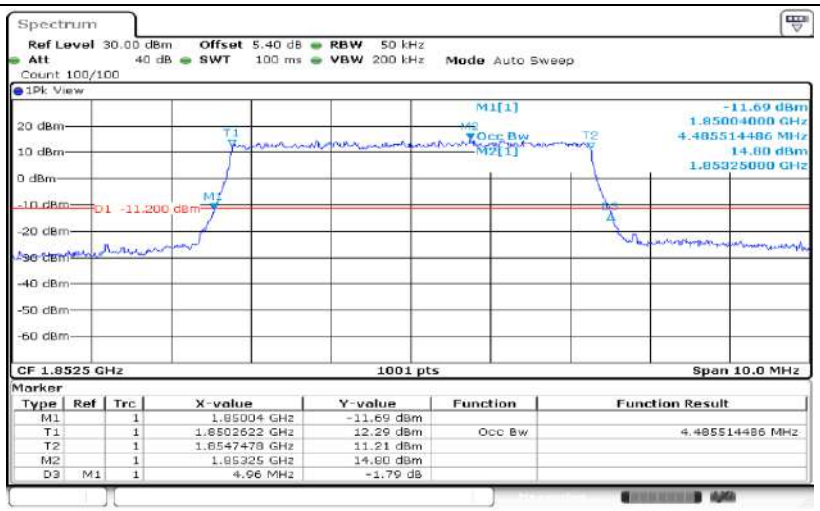

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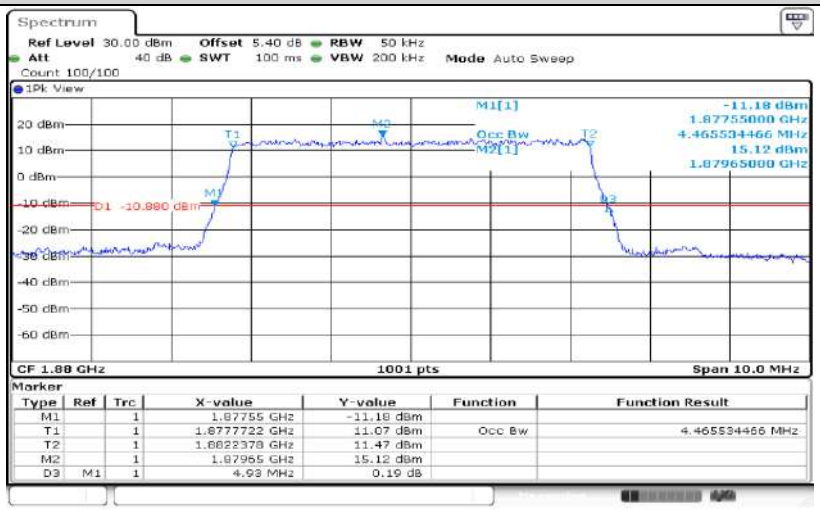
Band2-5MHz-QPSK-18900-25RB#0-4.466



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

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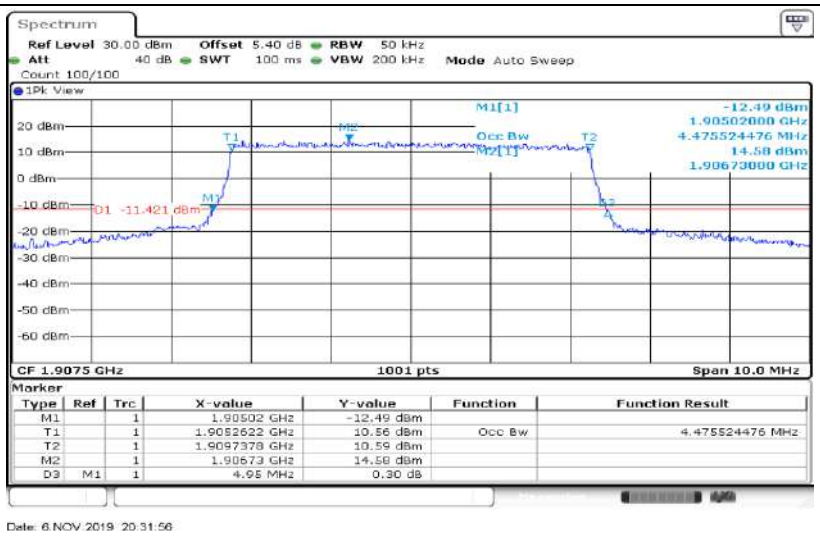
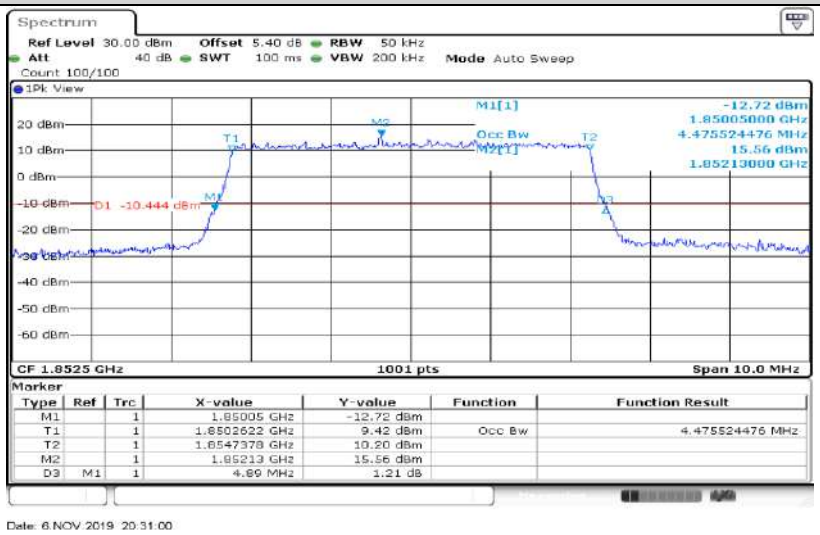


Band2-5MHz-16QAM-18625-25RB#0-4.476



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

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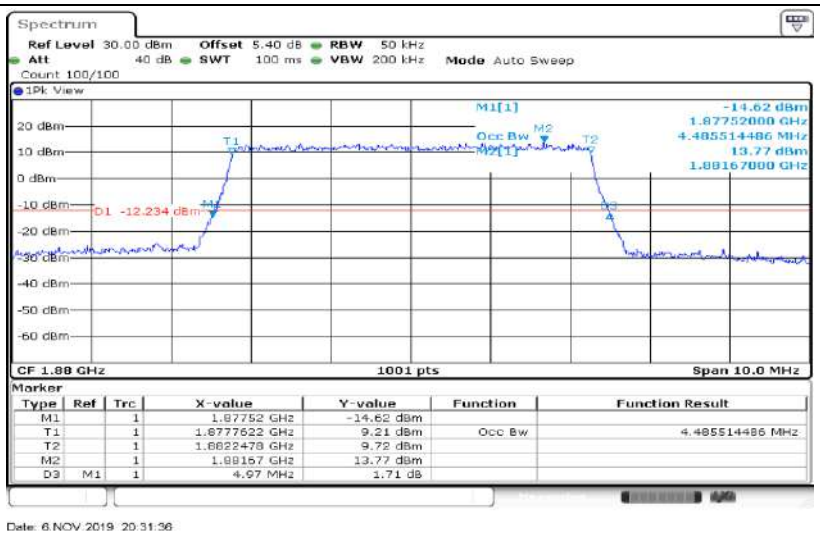
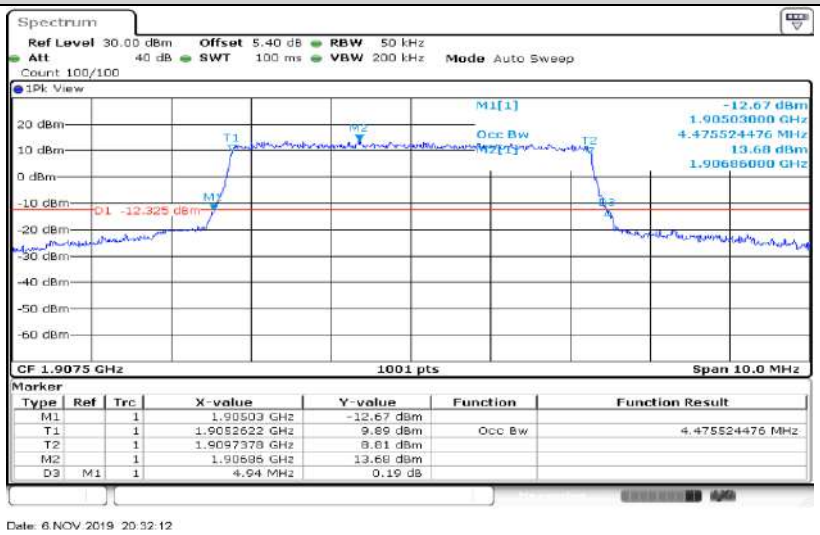


Band2-5MHz-16QAM-19175-25RB#0-4.476



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

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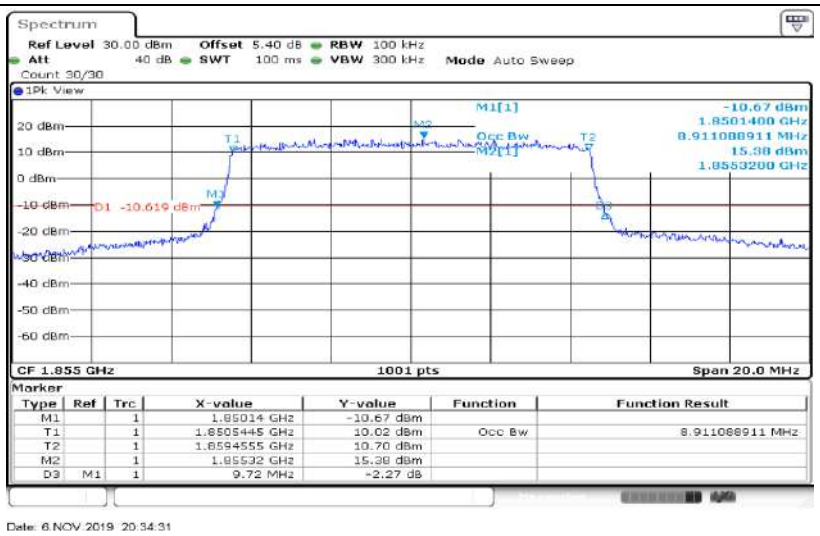

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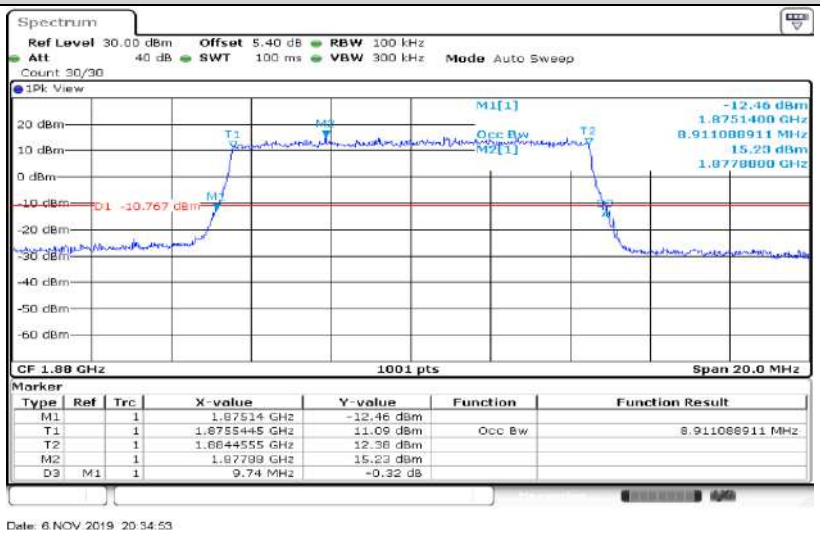

Band2-10MHz-QPSK-19150-50RB#0-8.911

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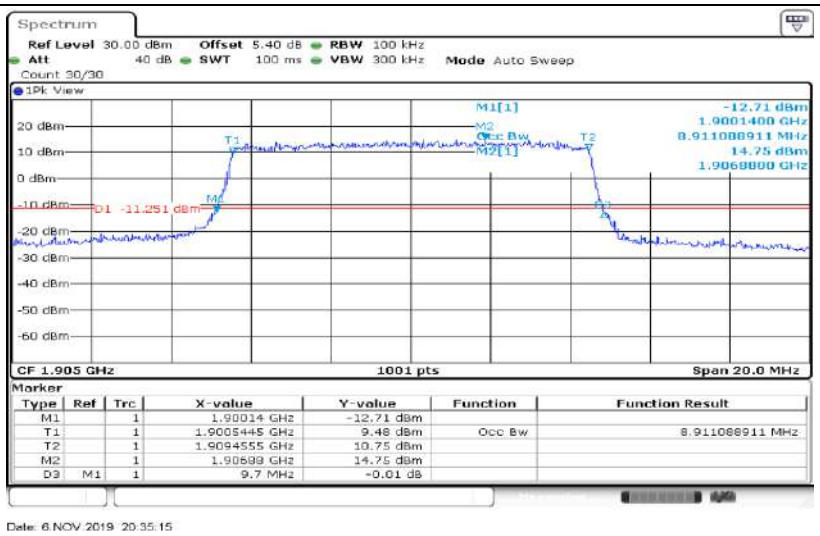
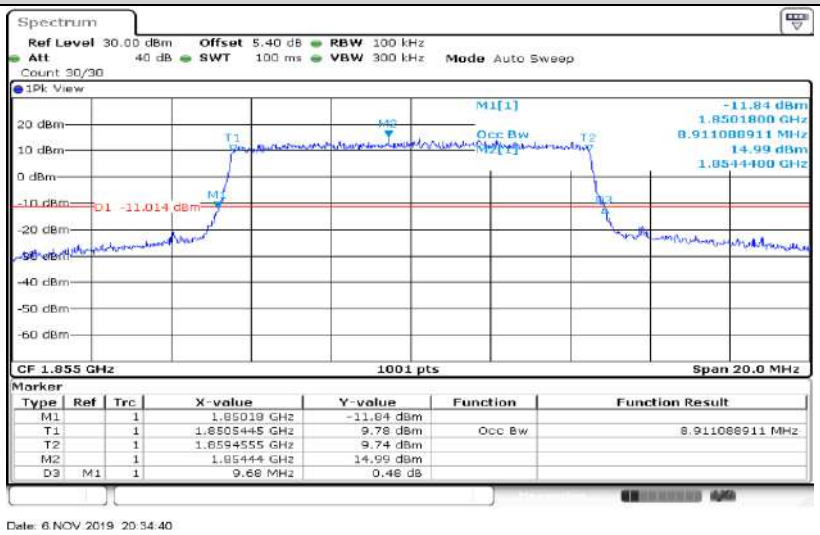


Band2-10MHz-16QAM-18650-50RB#0-8.911



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

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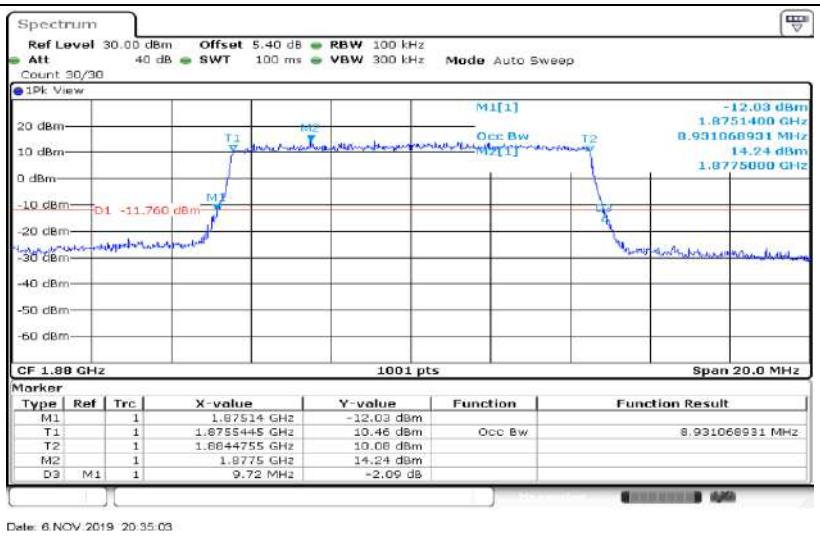
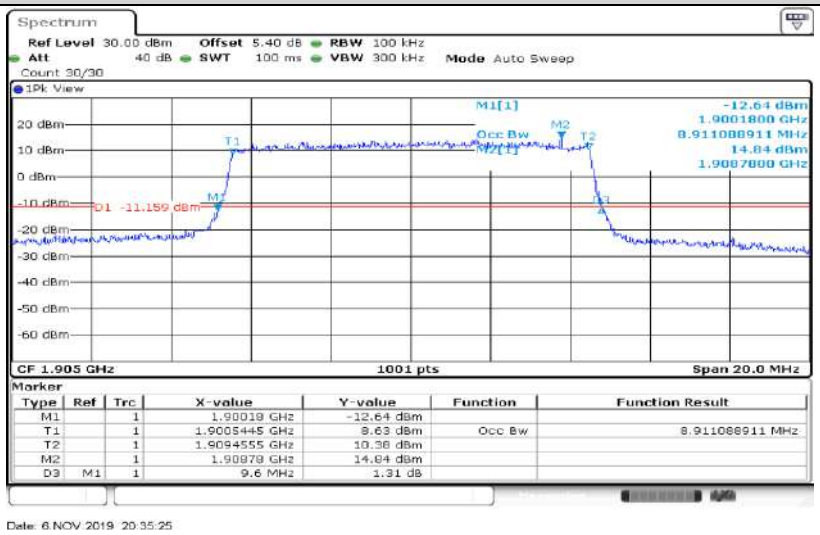


Band2-10MHz-16QAM-19150-50RB#0-8.911



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

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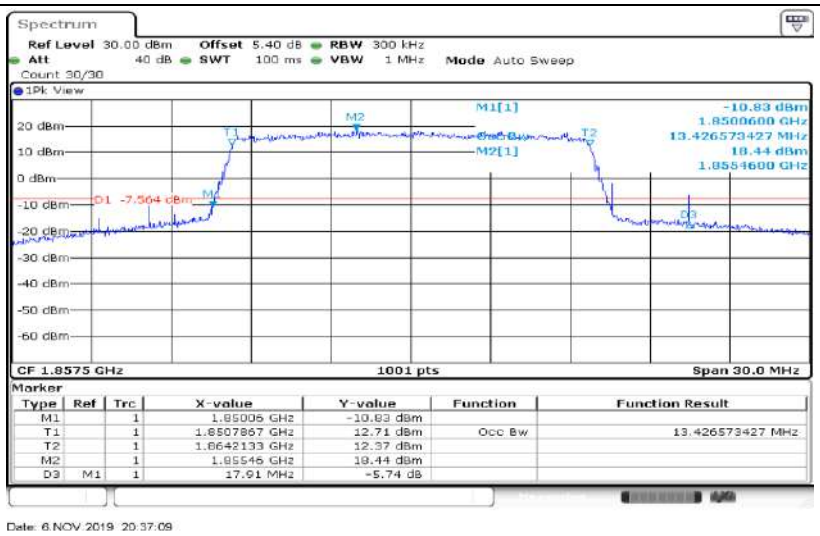
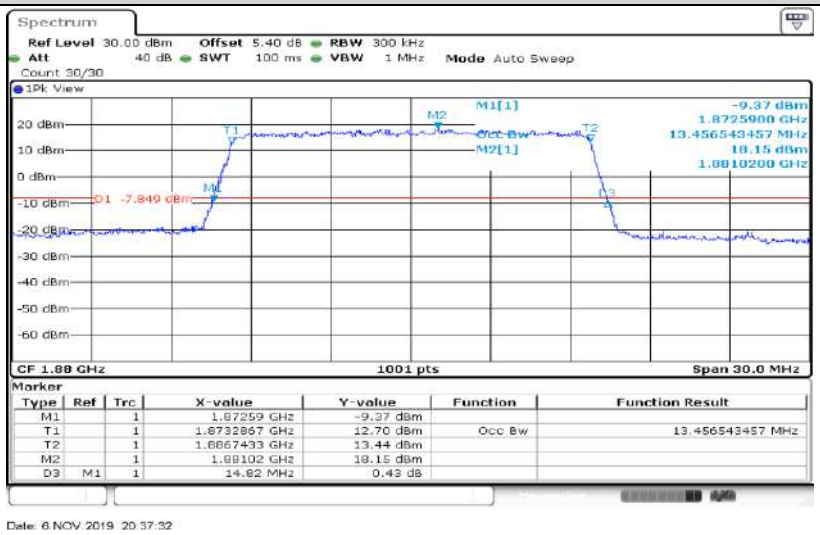


Band2-15MHz-QPSK-18900-75RB#0-13.457



Band2-15MHz-QPSK-19125-75RB#0-13.427

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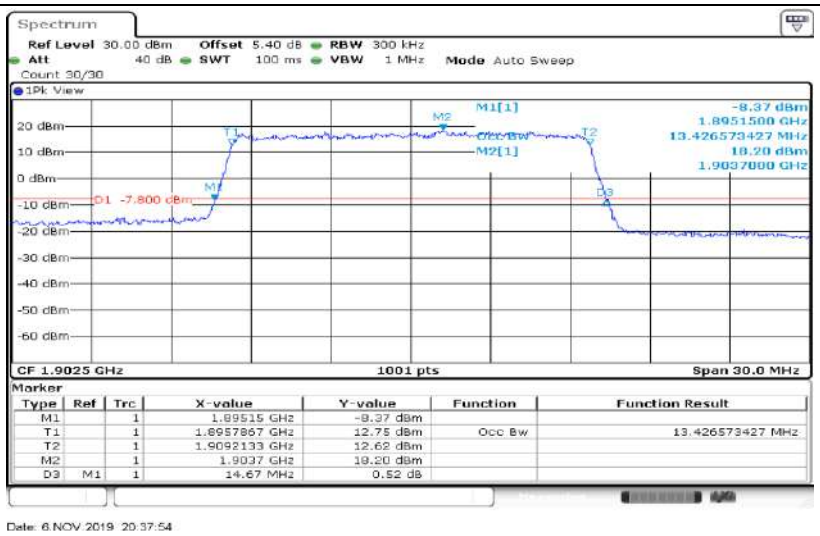
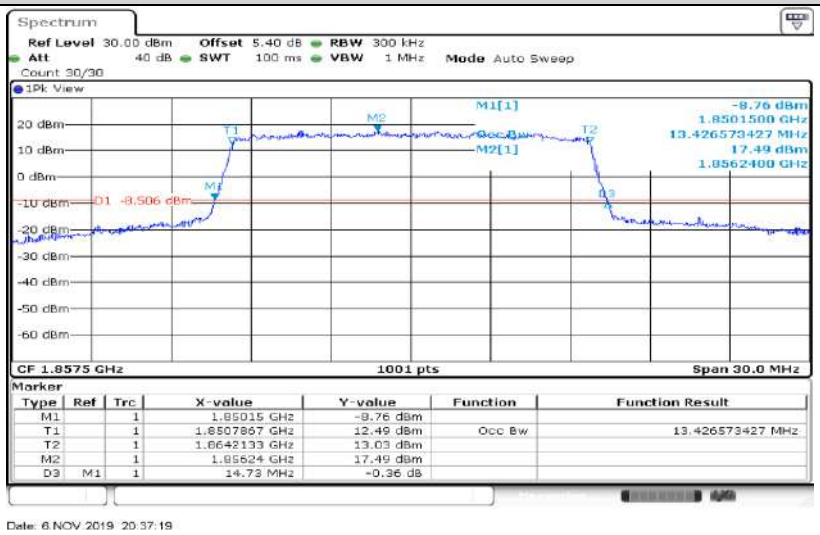


Band2-15MHz-16QAM-18675-75RB#0-13.427



Band2-15MHz-16QAM-18900-75RB#0-13.457

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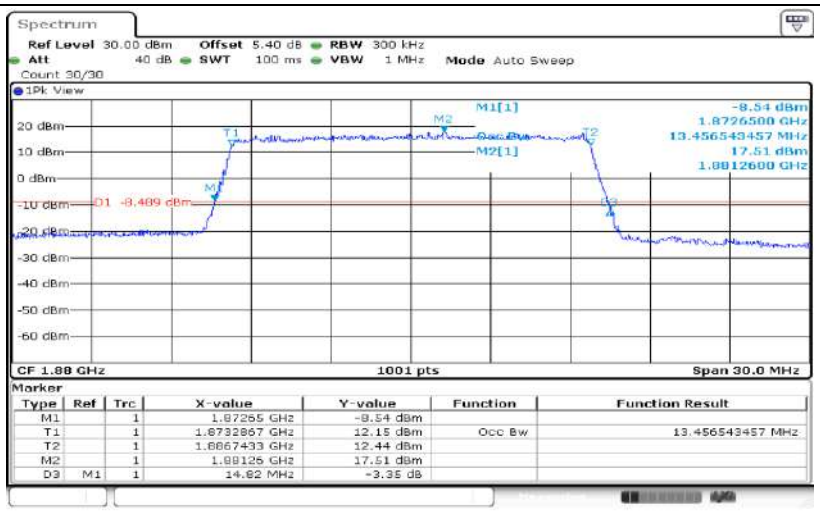
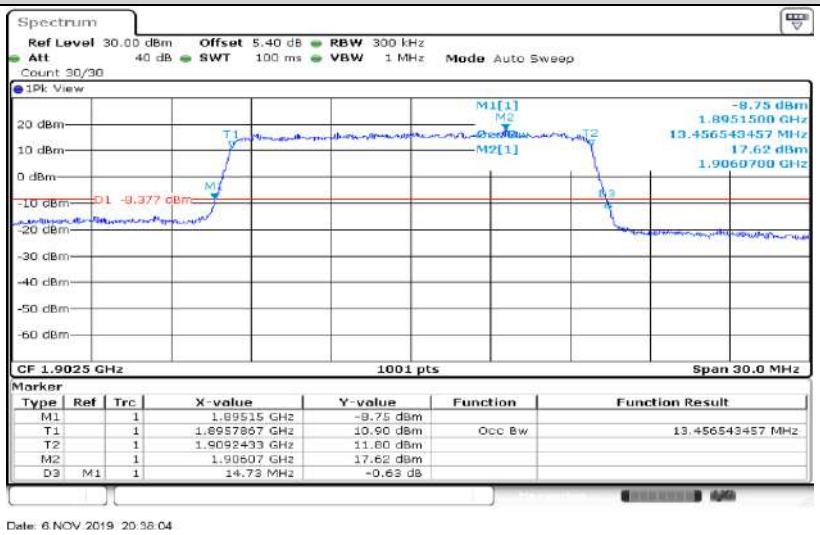


Band2-15MHz-16QAM-19125-75RB#0-13.457



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

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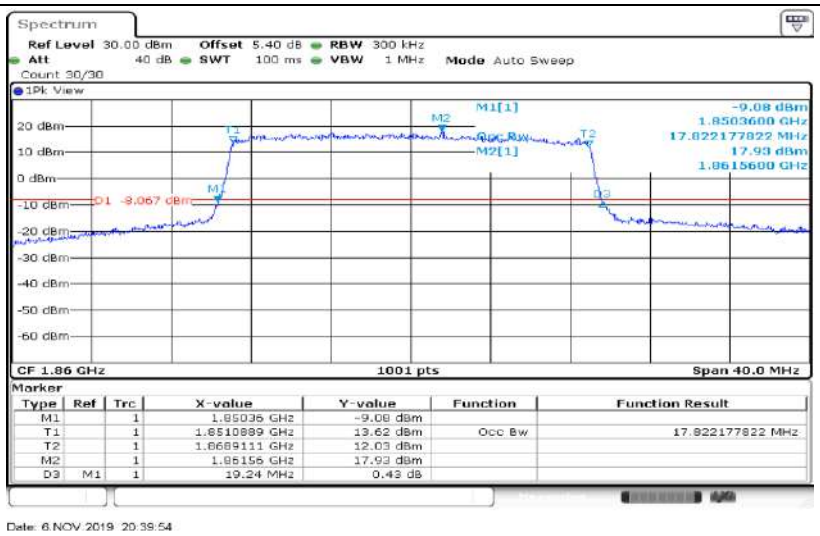
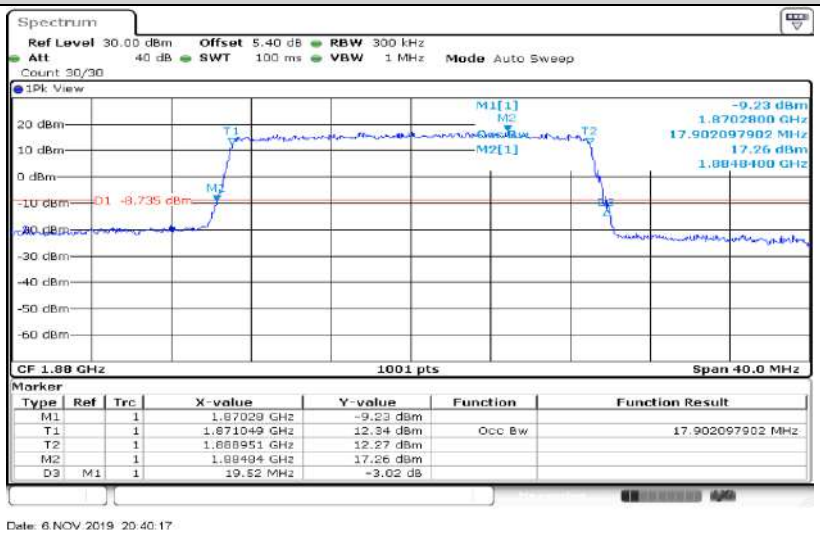


Band2-20MHz-QPSK-18900-100RB#0-17.902



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

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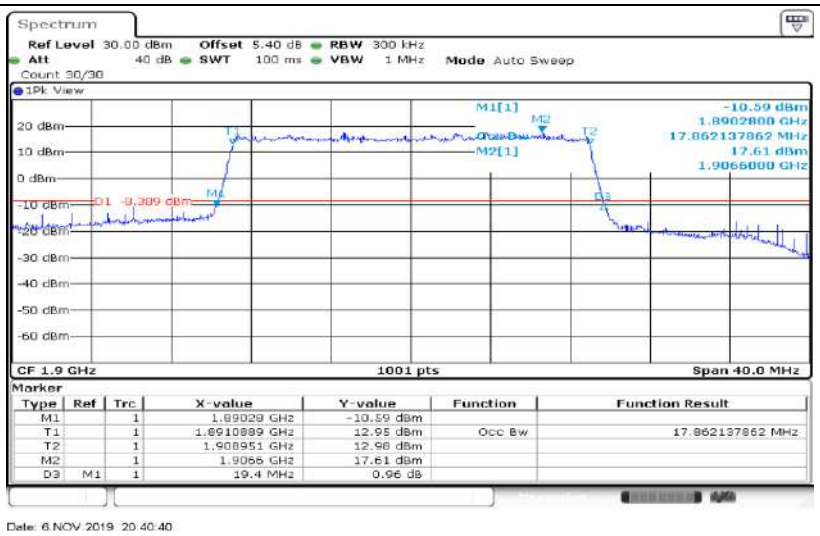
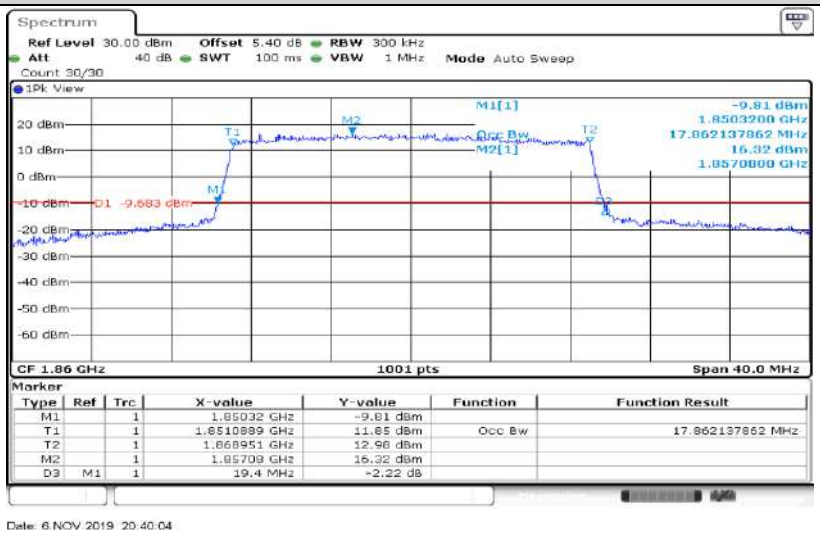


Band2-20MHz-16QAM-18700-100RB#0-17.862



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

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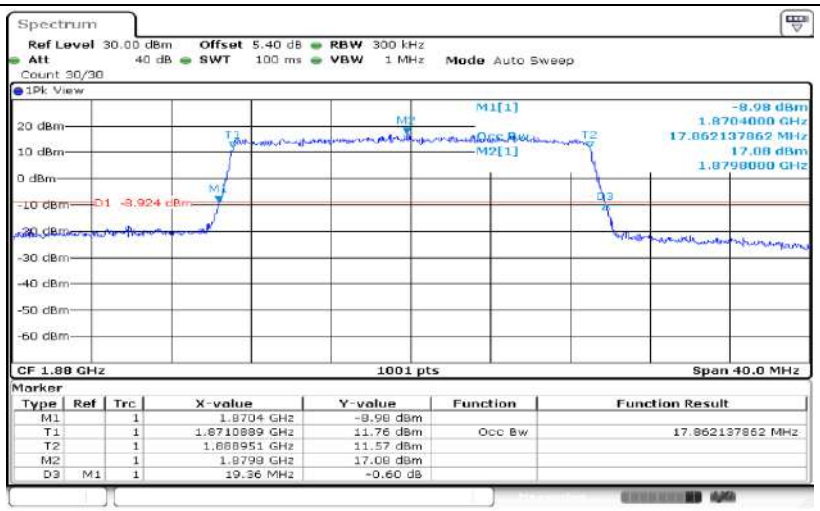

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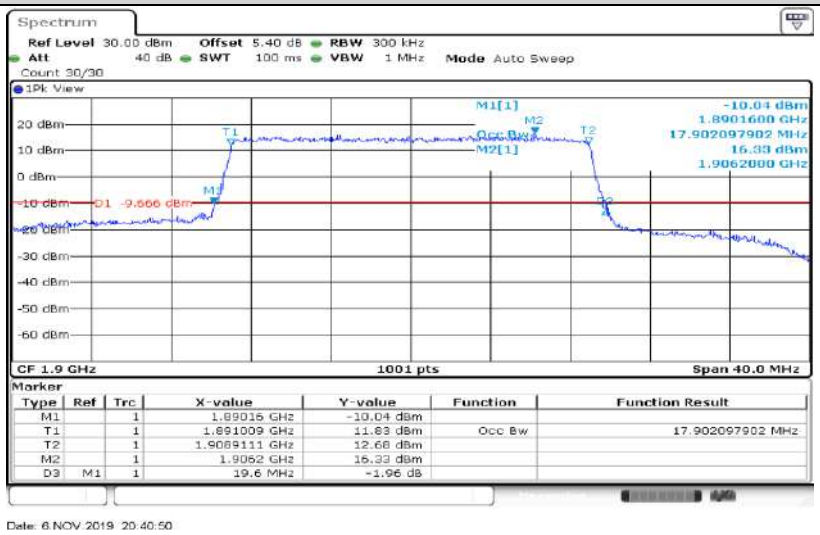

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5. Band Edge Compliance

5.1. Test Plots

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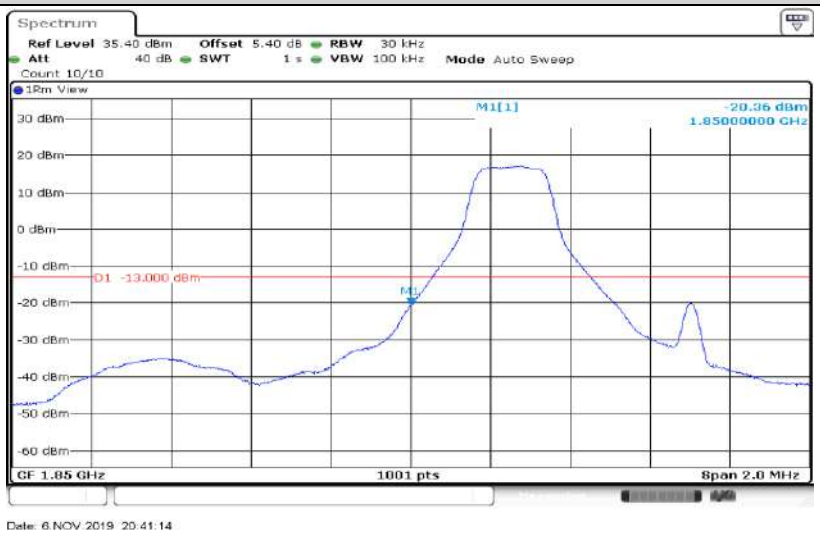

Band2-1.4MHz-QPSK-18607-6RB#0

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

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

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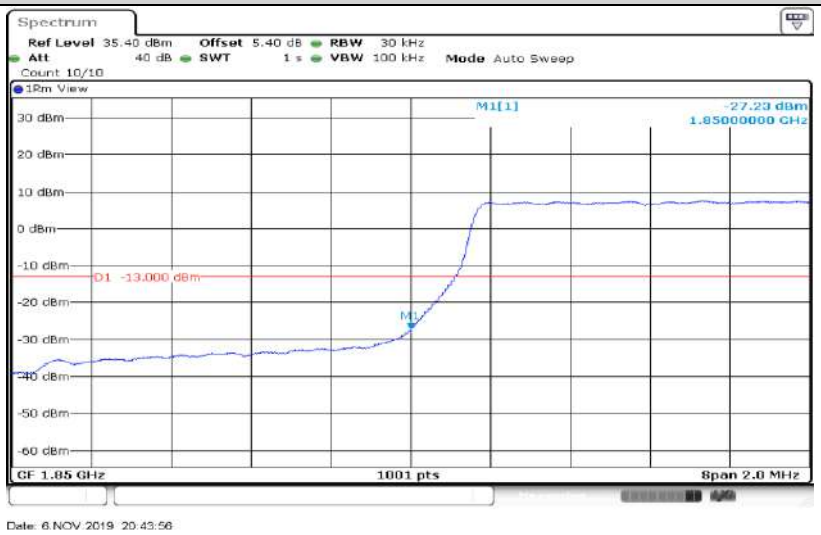

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Band2-3MHz-QPSK-18615-1RB#0

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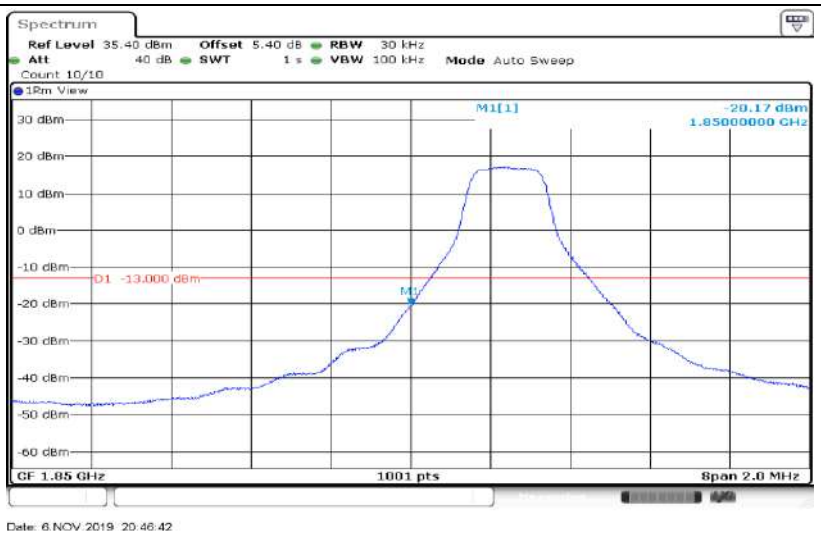
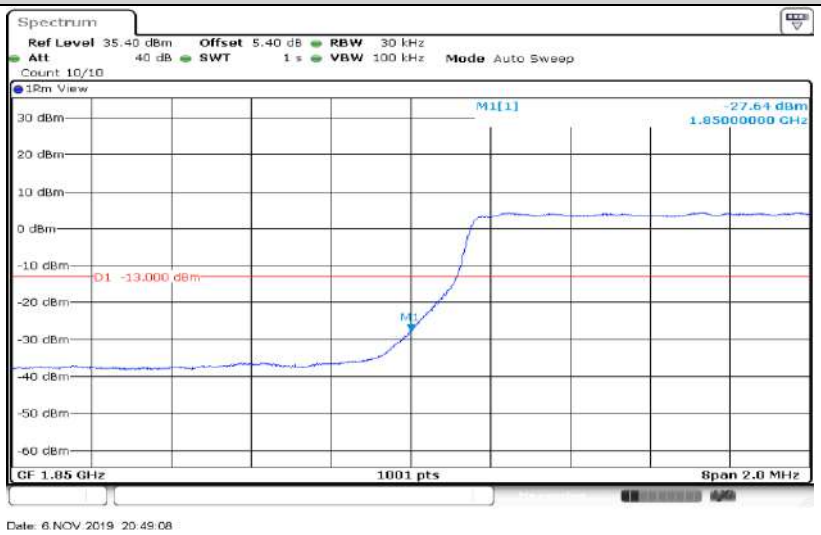


Band2-3MHz-QPSK-18615-15RB#0



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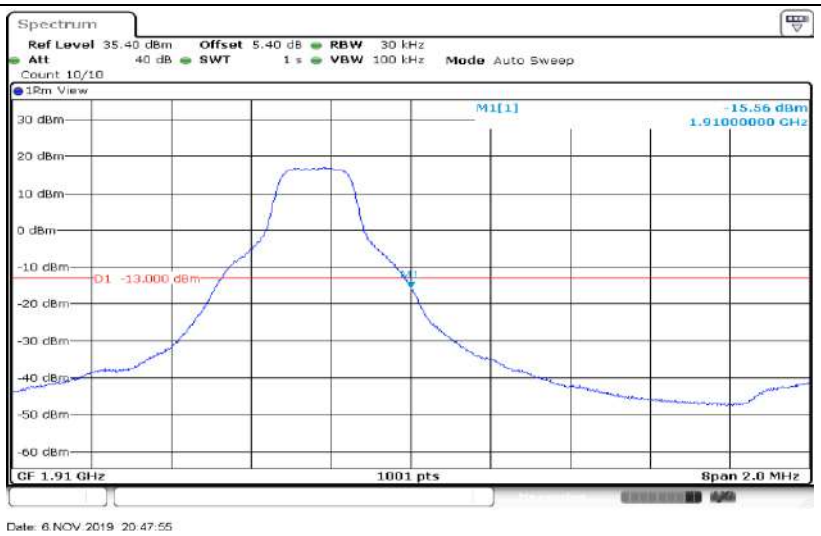

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Band2-3MHz-16QAM-18615-1RB#0

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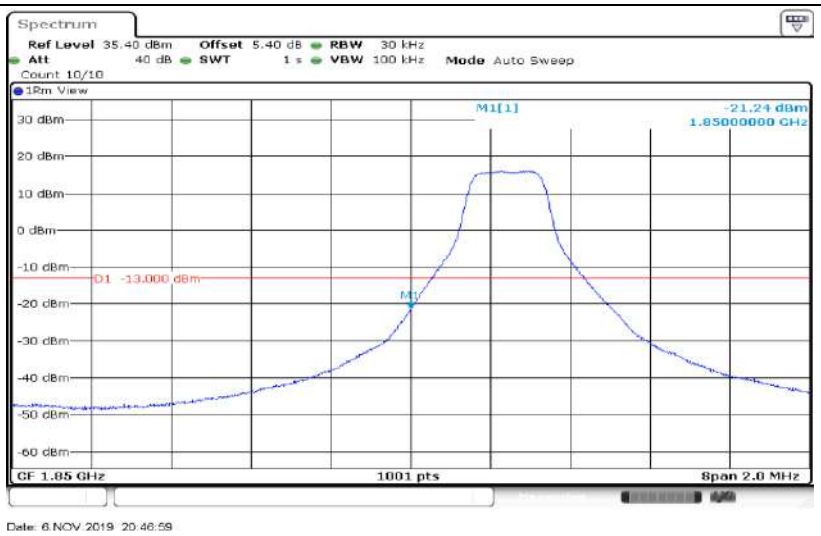

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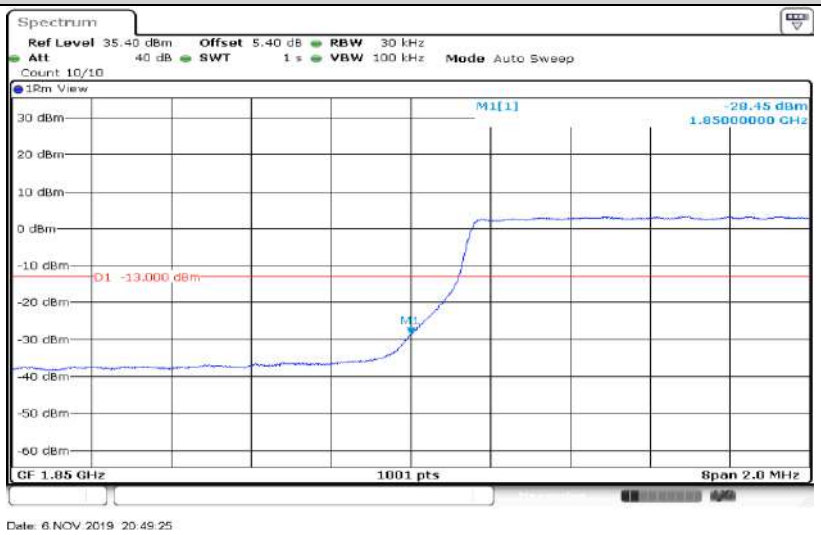

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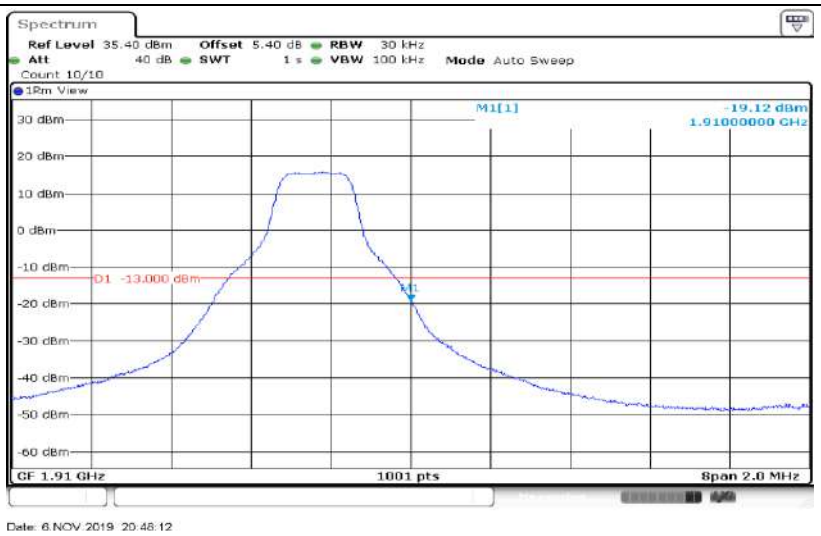

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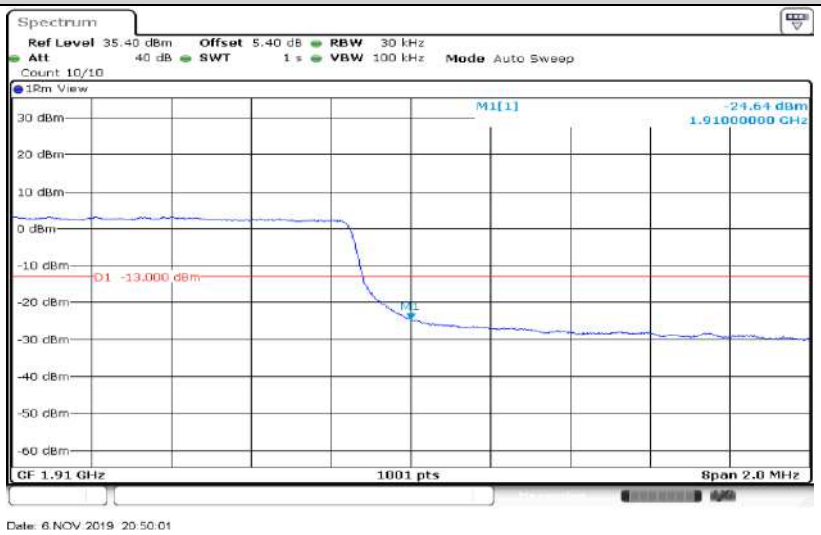

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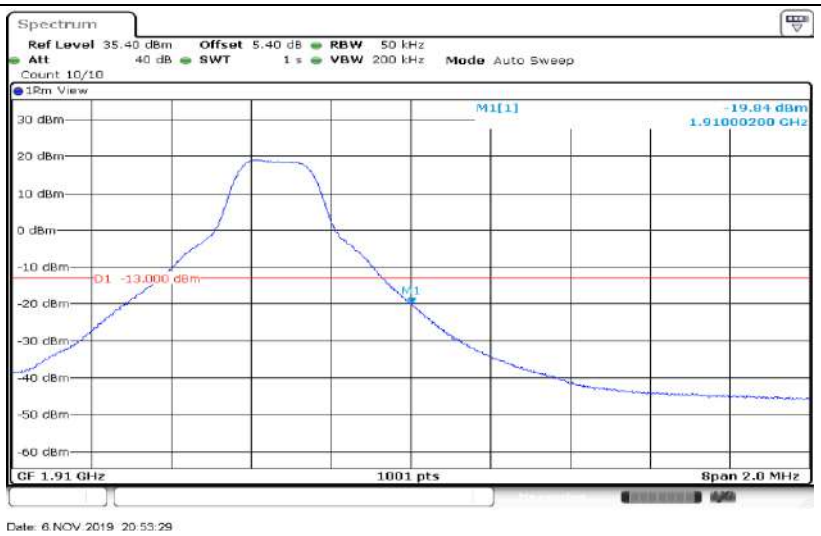

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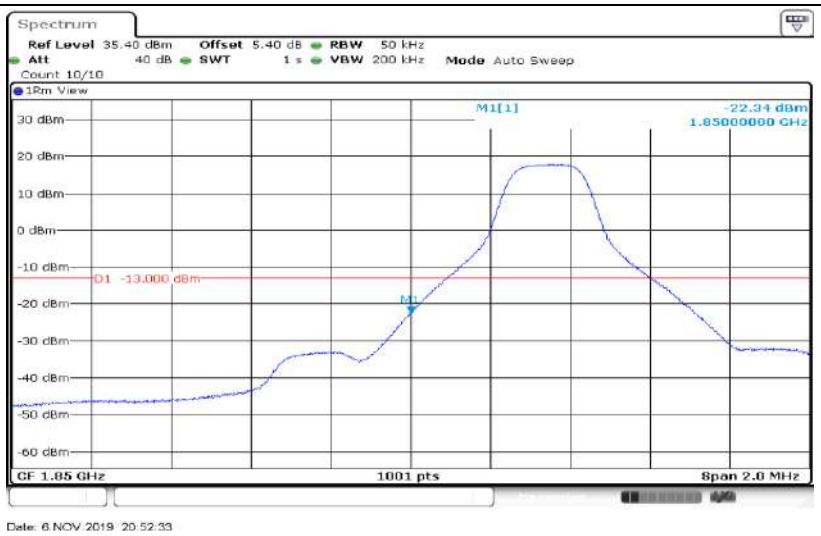

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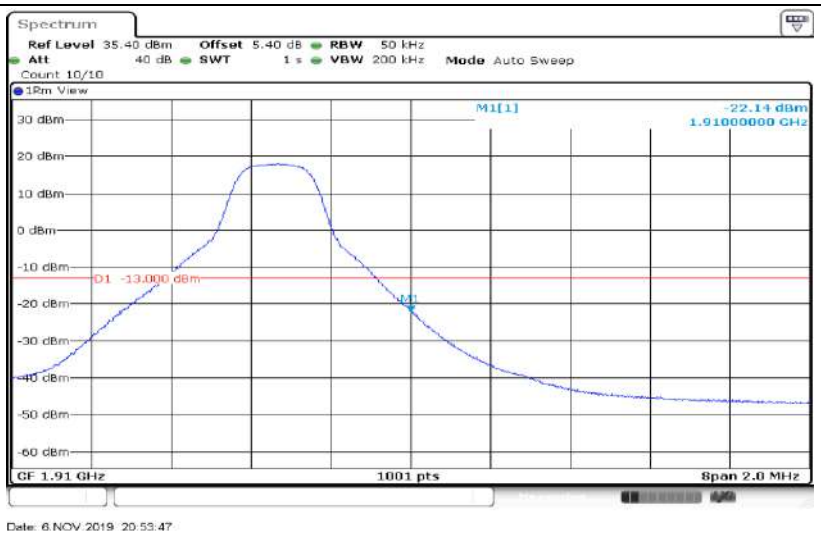

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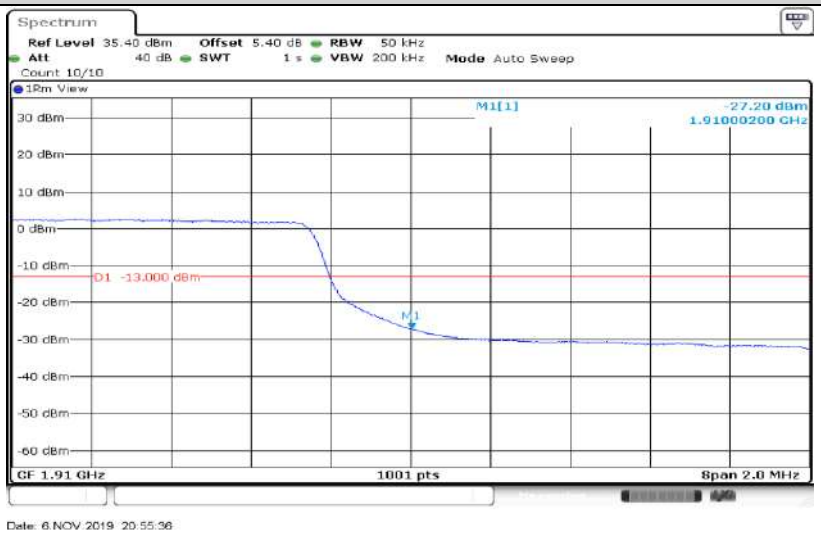

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Band2-10MHz-QPSK-19150-1RB#49

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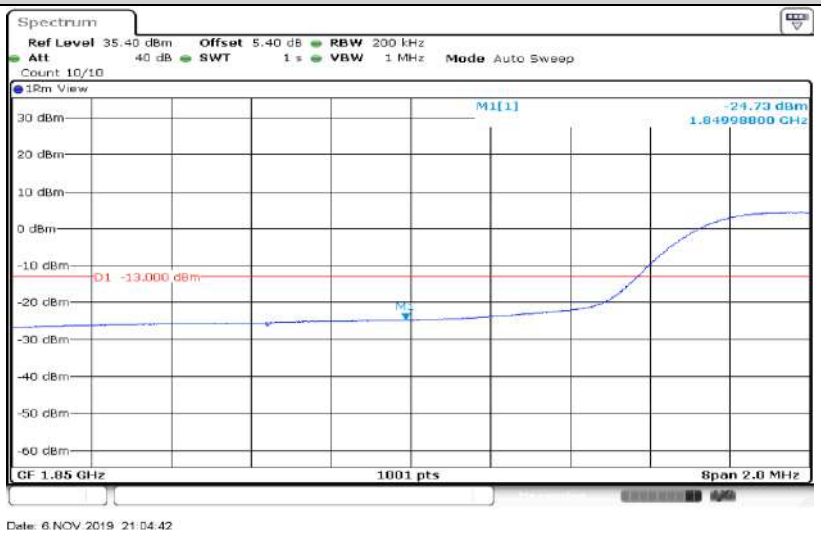
Band2-15MHz-QPSK-18675-75RB#0



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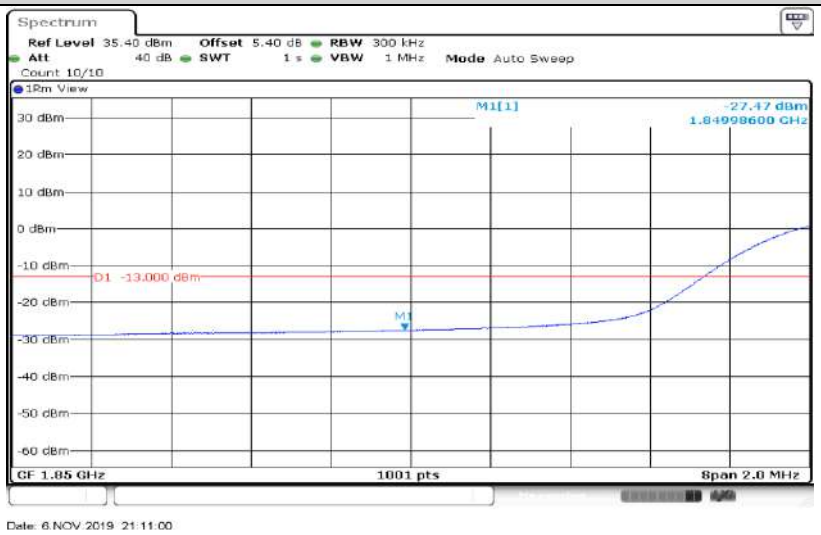
Band2-20MHz-QPSK-18700-100RB#0



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

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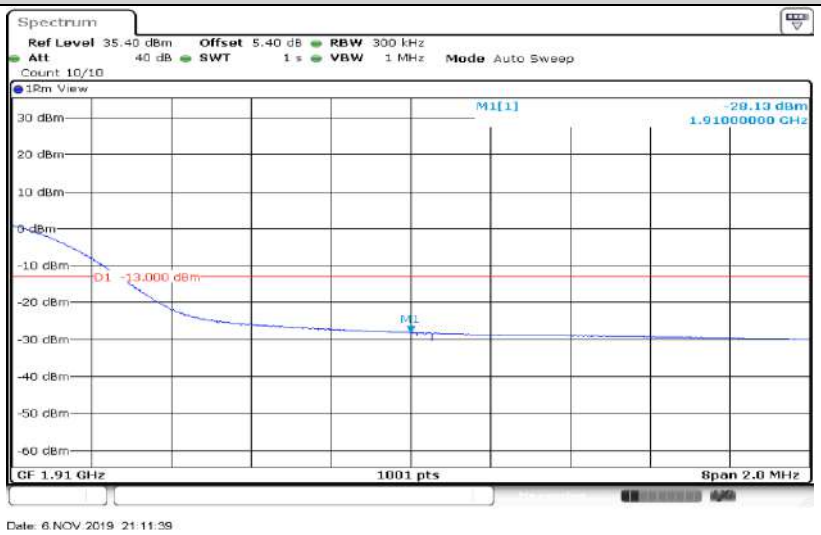
Band2-20MHz-QPSK-19100-100RB#0



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

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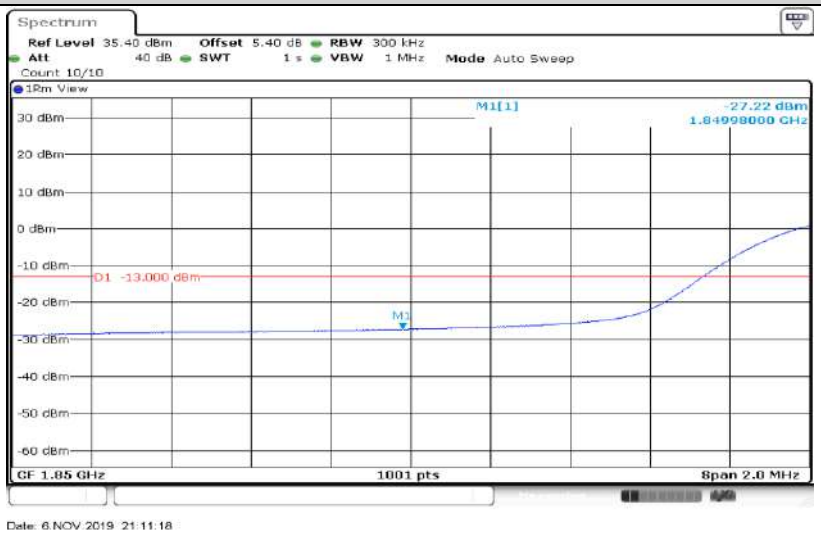
Band2-20MHz-16QAM-18700-100RB#0



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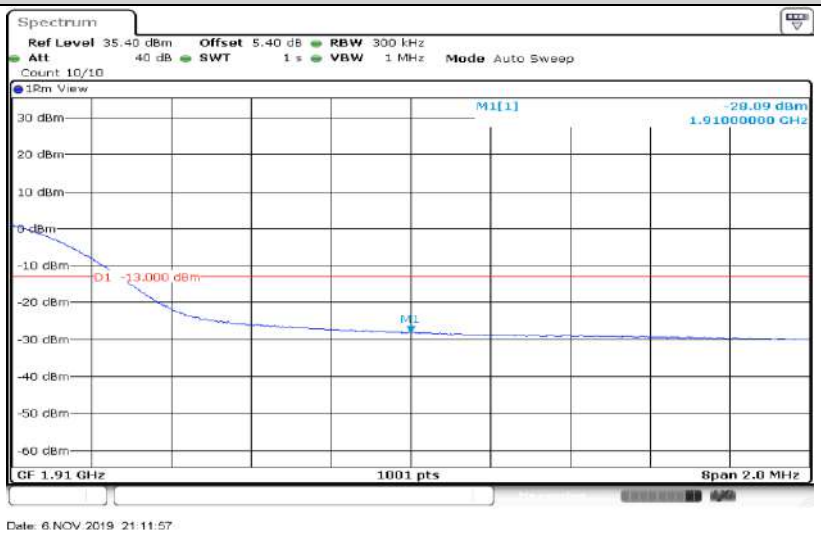

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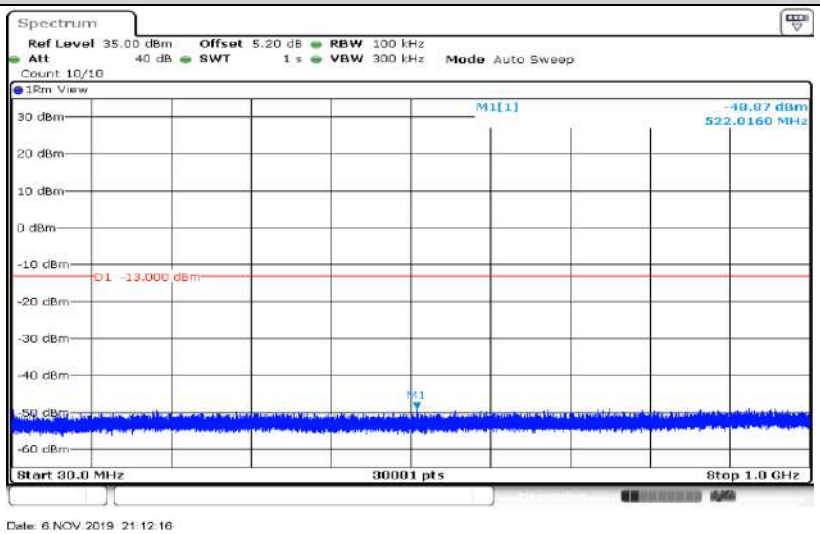
6. Spurious Emission at Antenna Terminal

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

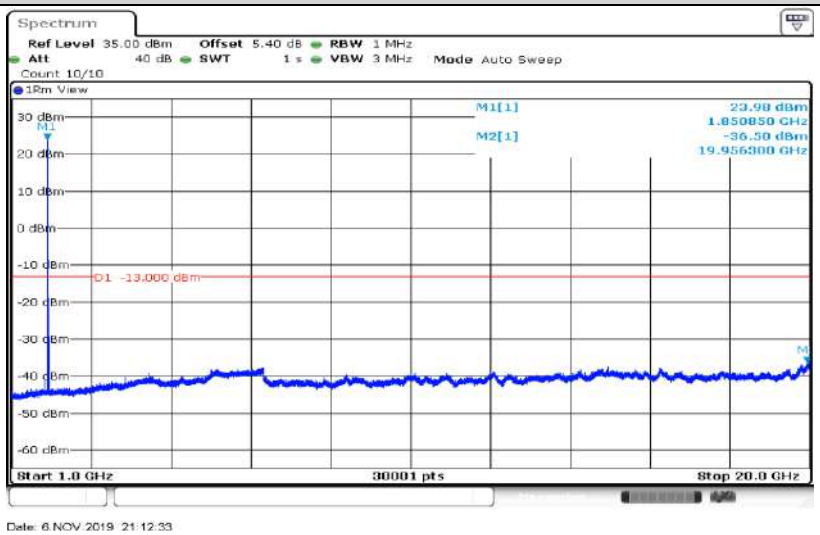
Remark2: only the worst case data displayed in this report.

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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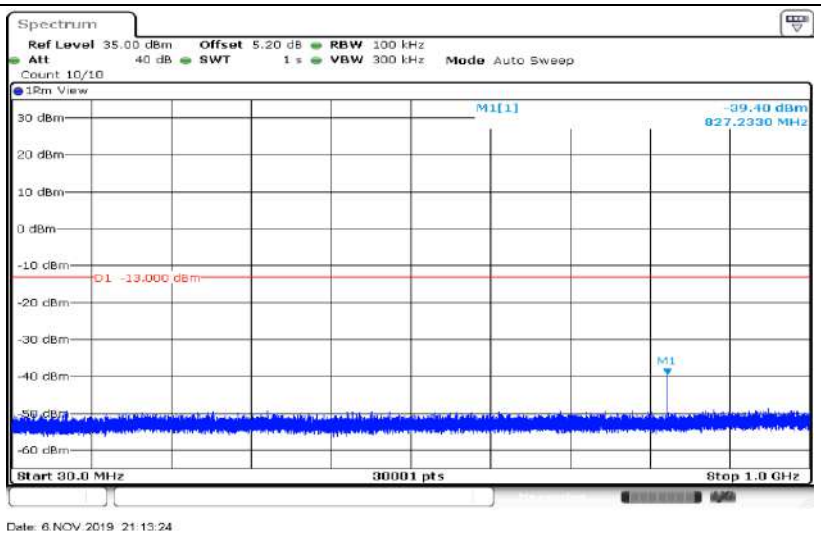
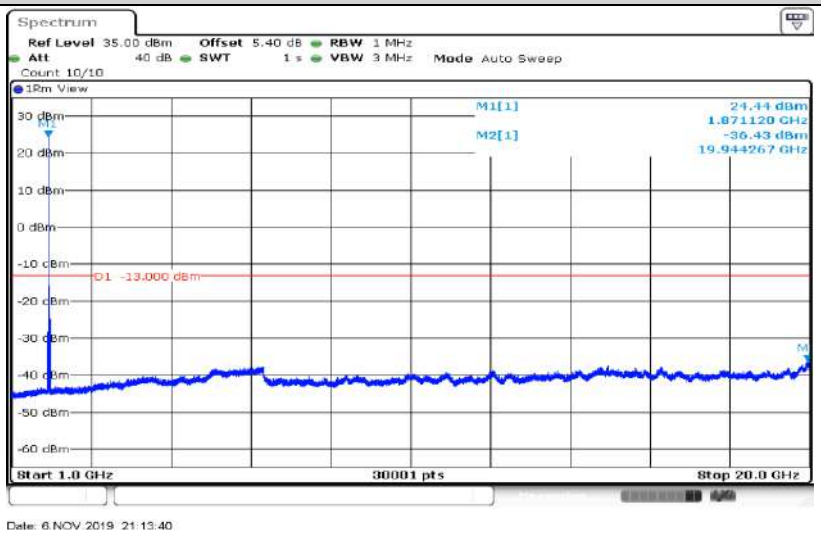


Band2-20MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz



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

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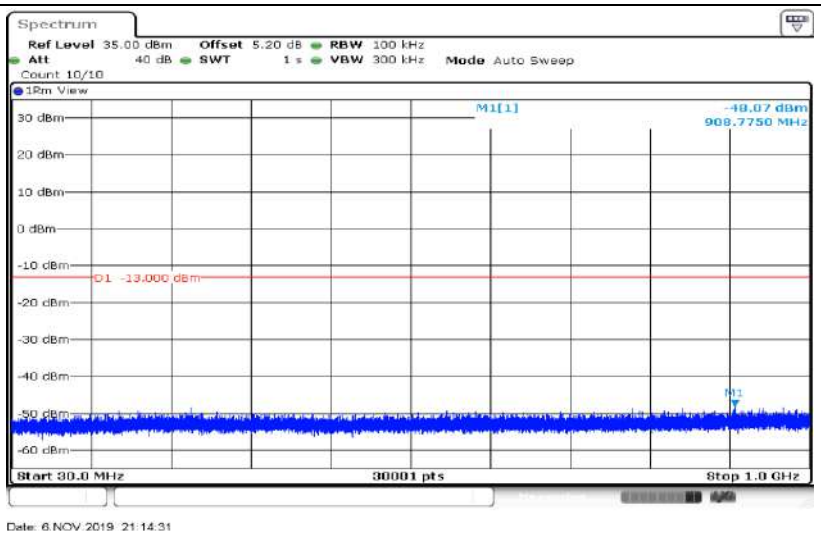
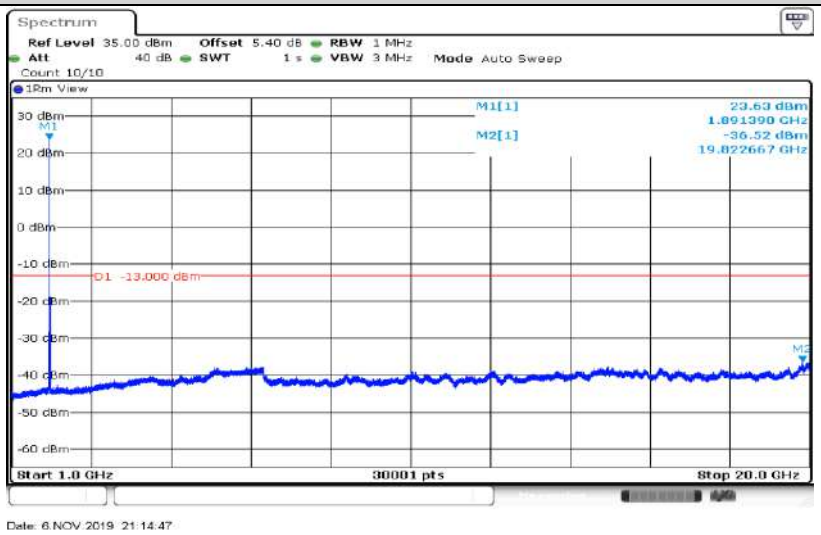


Band2-20MHz-QPSK-19100-1RB#0-Range2:1000~20000MHz



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

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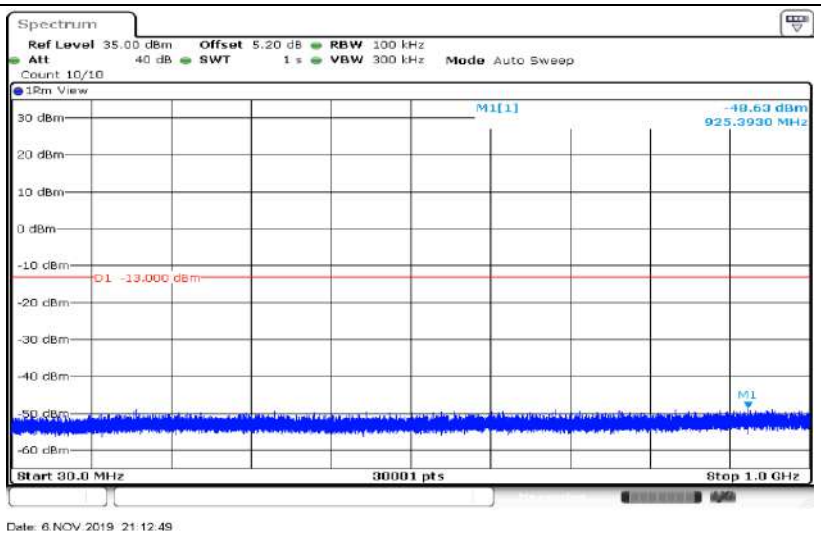
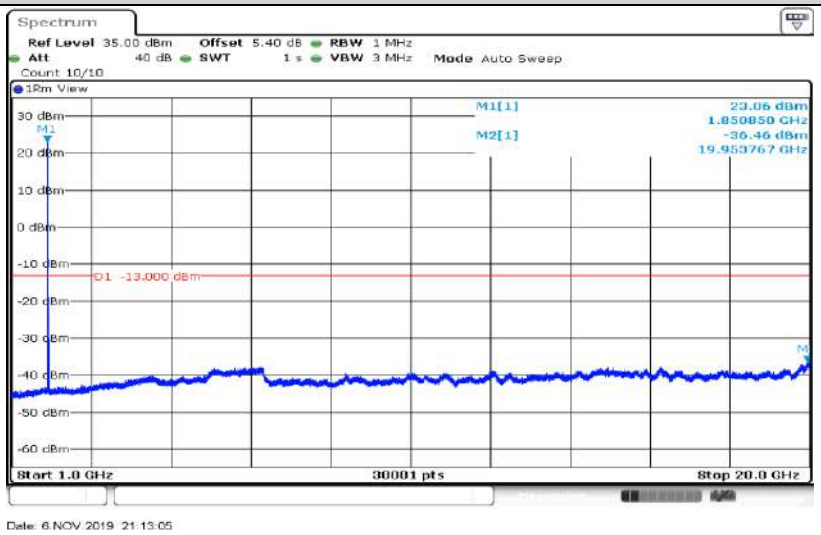


Band2-20MHz-16QAM-18700-1RB#0-Range2:1000~20000MHz



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

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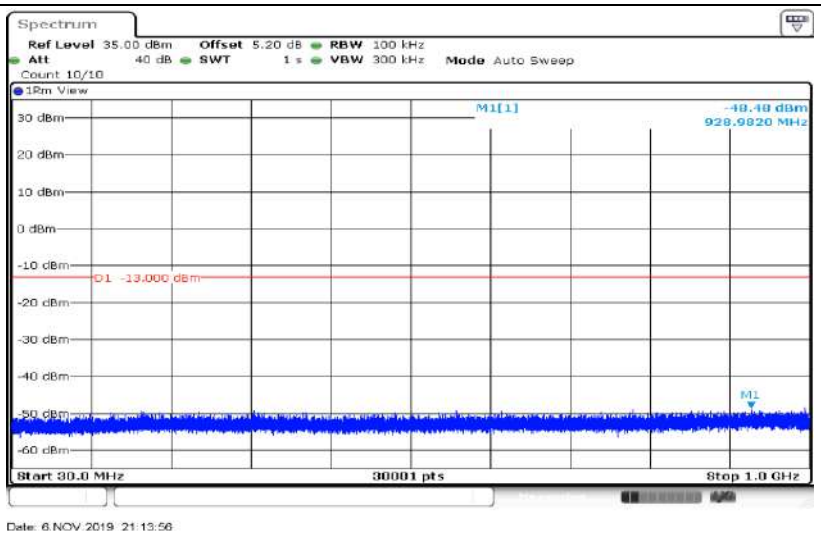
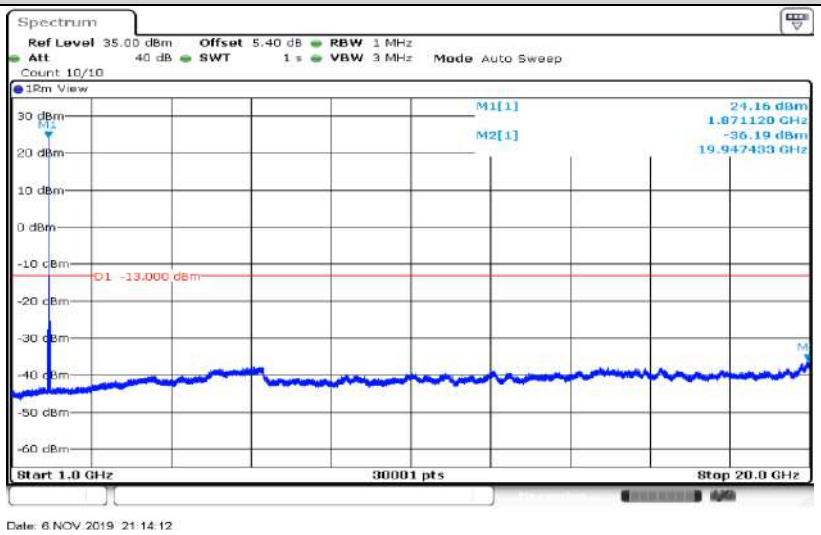


Band2-20MHz-16QAM-18900-1RB#0-Range2:1000~20000MHz



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

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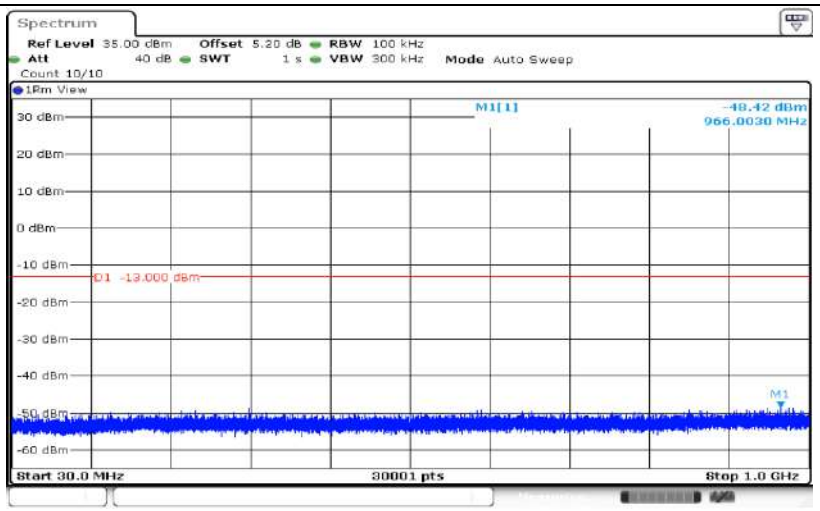
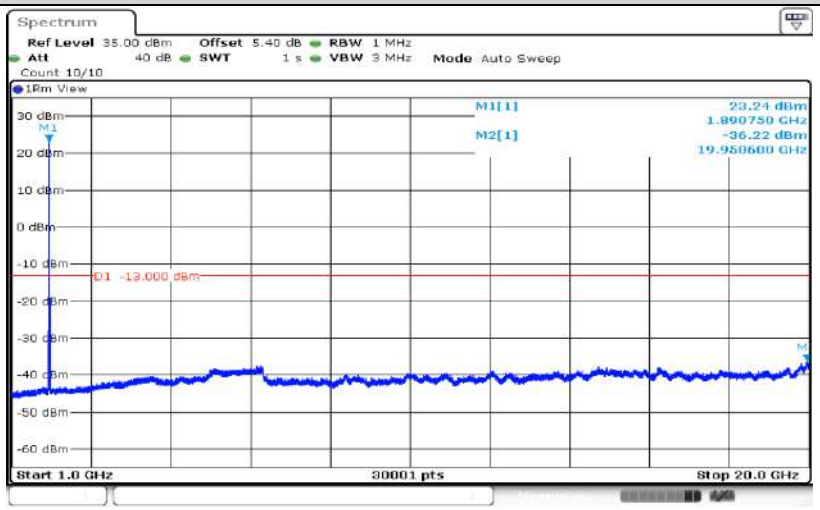


Date: 6.NOV.2019 21:15:03

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



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
112.3086	-64.01	-13.00	51.01	244	12	Vertical
902.0736	-54.90	-13.00	41.90	221	134	Vertical
2697.5395	-37.46	-13.00	24.46	167	263	Vertical
3702.0234	-57.59	-13.00	44.59	132	12	Vertical
14688.8896	-41.28	-13.00	28.28	287	331	Vertical
17999.0000	-32.59	-13.00	19.59	188	307	Vertical
41.2041	-63.86	-13.00	50.86	122	110	Horizontal
229.5875	-68.35	-13.00	55.35	172	233	Horizontal
827.2829	-61.92	-13.00	48.92	251	282	Horizontal
3702.0234	-54.25	-13.00	41.25	286	233	Horizontal
9314.7105	-47.98	-13.00	34.98	284	10	Horizontal
16402.4467	-36.61	-13.00	23.61	211	60	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
32.3766	-69.27	-13.00	56.27	252	50	Vertical
110.4655	-63.92	-13.00	50.92	133	1	Vertical
854.6382	-60.75	-13.00	47.75	177	129	Vertical
2699.9400	-37.30	-13.00	24.30	112	90	Vertical
10713.7571	-44.79	-13.00	31.79	251	331	Vertical
17999.5000	-32.54	-13.00	19.54	297	356	Vertical
39.6520	-62.69	-13.00	49.69	166	110	Horizontal
834.9462	-61.37	-13.00	48.37	172	257	Horizontal
2701.5403	-36.35	-13.00	23.35	171	359	Horizontal
3742.5248	-57.33	-13.00	44.33	198	110	Horizontal
10418.2473	-47.33	-13.00	34.33	186	36	Horizontal
16390.9464	-36.83	-13.00	23.83	183	134	Horizontal

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7.1.3.Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height (cm)	Angle (°)	Polarization
72.0516	-68.65	-13.00	55.65	163	35	Vertical
111.8236	-65.46	-13.00	52.46	172	159	Vertical
2697.1394	-37.38	-13.00	24.38	111	148	Vertical
3835.5279	-58.75	-13.00	45.75	125	134	Vertical
14699.8900	-41.67	-13.00	28.67	261	331	Vertical
17922.4974	-32.97	-13.00	19.97	278	258	Vertical
42.2711	-64.35	-13.00	51.35	144	9	Horizontal
907.1664	-56.07	-13.00	43.07	178	156	Horizontal
2695.5391	-36.32	-13.00	23.32	132	108	Horizontal
3782.5261	-56.32	-13.00	43.32	151	180	Horizontal
11369.2790	-46.18	-13.00	33.18	288	303	Horizontal
16403.4468	-37.23	-13.00	24.23	254	254	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 (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	VL	NT	1.70	0.000914	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	0.30	0.000161	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	1.20	0.000645	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-3.30	-0.001755	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-5.40	-0.002872	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-2.80	-0.001489	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	-1.80	-0.000947	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-2.90	-0.001526	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-3.80	-0.002000	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	0.70	0.000376	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	2.30	0.001237	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	1.10	0.000591	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-2.90	-0.001543	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-2.90	-0.001543	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	-3.50	-0.001862	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	-2.80	-0.001474	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	-2.70	-0.001421	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	-3.10	-0.001632	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	NV	-30	0.10	0.000054	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	-0.20	-0.000108	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	1.90	0.001022	±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	1.00	0.000538	±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	0.10	0.000054	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	2.90	0.001559	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-5.10	-0.002713	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-5.40	-0.002872	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-3.50	-0.001862	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-3.80	-0.002021	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-3.70	-0.001968	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-4.10	-0.002181	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-1.60	-0.000851	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-3.40	-0.001809	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-3.40	-0.001789	±2.5	PASS

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Band2	20MHz	QPSK	19100	100RB#0	NV	-20	-2.70	-0.001421	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	-1.80	-0.000947	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-3.10	-0.001632	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-3.20	-0.001684	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	-3.50	-0.001842	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	-3.20	-0.001684	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	-3.70	-0.001947	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	-0.30	-0.000161	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	-0.10	-0.000054	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	1.40	0.000753	±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	2.60	0.001398	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	1.10	0.000591	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	0.30	0.000161	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	2.10	0.001129	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-3.10	-0.001649	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-3.70	-0.001968	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-2.00	-0.001064	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-3.50	-0.001862	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-4.00	-0.002128	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-5.00	-0.002660	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	-3.60	-0.001915	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-3.10	-0.001649	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-2.20	-0.001158	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	-2.40	-0.001263	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	-2.70	-0.001421	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-4.10	-0.002158	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	-2.00	-0.001053	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	-3.20	-0.001684	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-3.70	-0.001947	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-2.60	-0.001368	±2.5	PASS

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