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	23.88	24.26	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.93	24.31	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.94	24.32	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	24.09	24.47	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	24.14	24.52	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	23.90	24.28	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	23.02	23.4	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.92	24.3	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.82	24.2	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.85	24.23	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	23.82	24.2	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	24.13	24.51	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	24.11	24.49	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.94	23.32	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.85	24.23	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.80	24.18	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.66	24.04	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	23.89	24.27	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	24.08	24.46	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	23.71	24.09	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.87	23.25	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.43	22.81	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.49	22.87	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.57	22.95	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	23.05	23.43	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	23.02	23.4	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	23.26	23.64	33.00	PASS

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Band2	1.4MHz	16QAM	18607	6RB#0	22.10	22.48	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.37	22.75	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.35	22.73	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.36	22.74	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	23.01	23.39	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	22.96	23.34	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	23.23	23.61	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.75	22.13	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.19	22.57	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.20	22.58	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.24	22.62	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	22.99	23.37	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	23.06	23.44	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	22.95	23.33	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.98	22.36	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.98	24.36	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.88	24.26	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.74	24.12	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	22.99	23.37	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	23.01	23.39	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	23.04	23.42	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	23.02	23.4	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.80	24.18	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.75	24.13	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.72	24.1	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	23.02	23.4	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	22.80	23.18	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	22.79	23.17	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.87	23.25	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.70	24.08	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.76	24.14	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.85	24.23	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#4	22.87	23.25	33.00	PASS

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Band2	3MHz	QPSK	19185	8RB#7	22.90	23.28	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	22.79	23.17	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.87	23.25	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.87	23.25	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.49	22.87	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.36	22.74	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	21.97	22.35	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	22.24	22.62	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	21.84	22.22	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	22.07	22.45	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.25	22.63	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	21.94	22.32	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.25	22.63	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	21.65	22.03	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	21.80	22.18	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	21.83	22.21	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.94	22.32	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.16	22.54	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.16	22.54	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.28	22.66	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	21.71	22.09	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#4	21.62	22	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	21.83	22.21	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.95	22.33	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.83	24.21	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.94	24.32	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.93	24.31	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	23.01	23.39	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	22.98	23.36	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	22.95	23.33	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.95	23.33	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	24.05	24.43	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.59	23.97	33.00	PASS

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Band2	5MHz	QPSK	18900	1RB#24	23.95	24.33	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	22.88	23.26	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	22.80	23.18	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.91	23.29	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.79	23.17	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.66	24.04	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.70	24.08	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.79	24.17	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	22.77	23.15	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	22.79	23.17	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	22.74	23.12	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.73	23.11	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.35	22.73	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	23.11	23.49	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.32	22.7	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	21.81	22.19	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	21.98	22.36	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#0	21.89	22.27	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	22.00	22.38	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.21	22.59	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.25	22.63	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.16	22.54	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	21.71	22.09	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.88	22.26	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	21.93	22.31	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.95	22.33	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.61	22.99	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.12	22.5	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.62	23	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	21.62	22	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	21.62	22	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	21.79	22.17	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.81	22.19	33.00	PASS

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Band2	10MHz	QPSK	18650	1RB#49	23.58	23.96	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.82	24.2	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	24.43	24.81	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	22.88	23.26	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#0	23.18	23.56	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#12	23.10	23.48	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.98	23.36	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.48	23.86	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	24.56	24.94	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.63	24.01	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	23.18	23.56	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	22.82	23.2	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	23.01	23.39	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.83	23.21	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.35	23.73	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.79	24.17	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.93	24.31	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	22.65	23.03	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	23.05	23.43	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#12	22.94	23.32	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.88	23.26	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.45	22.83	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.76	23.14	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.92	23.3	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	22.14	22.52	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	21.98	22.36	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	21.97	22.35	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	22.12	22.5	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.35	22.73	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.45	22.83	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.22	22.6	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#0	22.01	22.39	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#12	22.07	22.45	33.00	PASS

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Band2	10MHz	16QAM	18900	25RB#25	22.00	22.38	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.83	22.21	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.21	22.59	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.28	22.66	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.34	22.72	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	21.79	22.17	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	21.88	22.26	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	21.79	22.17	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.88	22.26	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.32	23.7	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.74	24.12	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	24.40	24.78	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	23.13	23.51	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	23.12	23.5	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	22.94	23.32	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.93	23.31	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.51	23.89	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	24.58	24.96	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.60	23.98	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	22.91	23.29	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	23.24	23.62	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#39	22.82	23.2	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.76	23.14	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.92	24.3	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.88	24.26	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.16	23.54	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	22.52	22.9	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	23.16	23.54	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	22.77	23.15	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.87	23.25	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.94	23.32	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.95	23.33	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.95	23.33	33.00	PASS

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Band2	15MHz	16QAM	18675	36RB#39	22.04	22.42	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	21.97	22.35	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#0	22.11	22.49	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.99	22.37	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.31	22.69	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.31	22.69	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.94	23.32	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	22.01	22.39	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	21.90	22.28	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	21.84	22.22	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.92	22.3	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.78	23.16	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.32	22.7	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.71	23.09	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	21.86	22.24	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	21.95	22.33	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	21.87	22.25	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.87	22.25	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.79	24.17	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	24.63	25.01	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.33	23.71	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	23.23	23.61	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	22.83	23.21	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#0	23.13	23.51	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	23.03	23.41	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.30	23.68	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	24.69	25.07	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.54	23.92	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#50	22.83	23.21	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	23.26	23.64	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	22.90	23.28	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.85	23.23	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	24.48	24.86	33.00	PASS

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Band2	20MHz	QPSK	19100	1RB#0	23.82	24.2	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.00	23.38	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	23.17	23.55	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.99	23.37	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	22.55	22.93	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.87	23.25	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.75	23.13	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.48	22.86	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.87	23.25	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	22.00	22.38	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	22.01	22.39	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	22.07	22.45	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	22.09	22.47	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.71	23.09	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.82	23.2	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.95	23.33	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	21.82	22.2	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	21.84	22.22	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	22.00	22.38	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.82	22.2	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.91	23.29	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.89	23.27	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.23	22.61	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	21.98	22.36	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	21.88	22.26	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	21.86	22.24	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.78	22.16	33.00	PASS

Remark:

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

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

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

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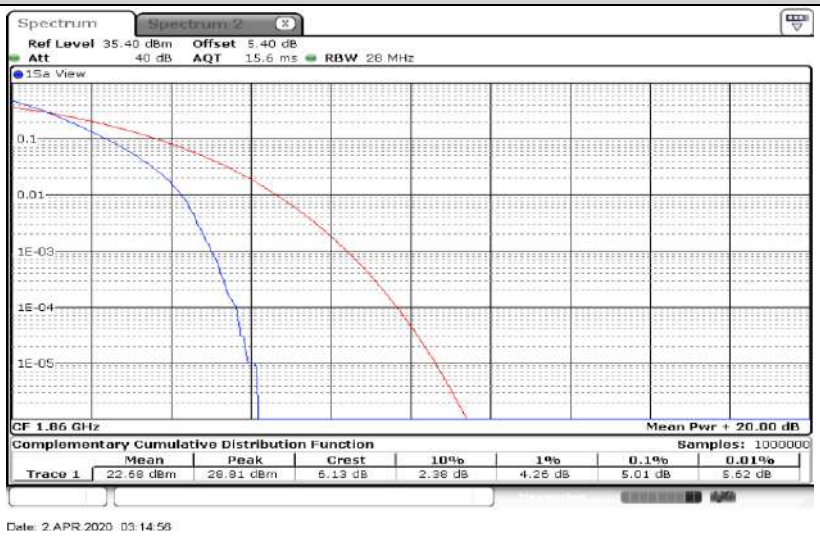
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	5.01	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.16	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.10	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.00	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.06	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.97	13	PASS

2.2. Test Plots

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



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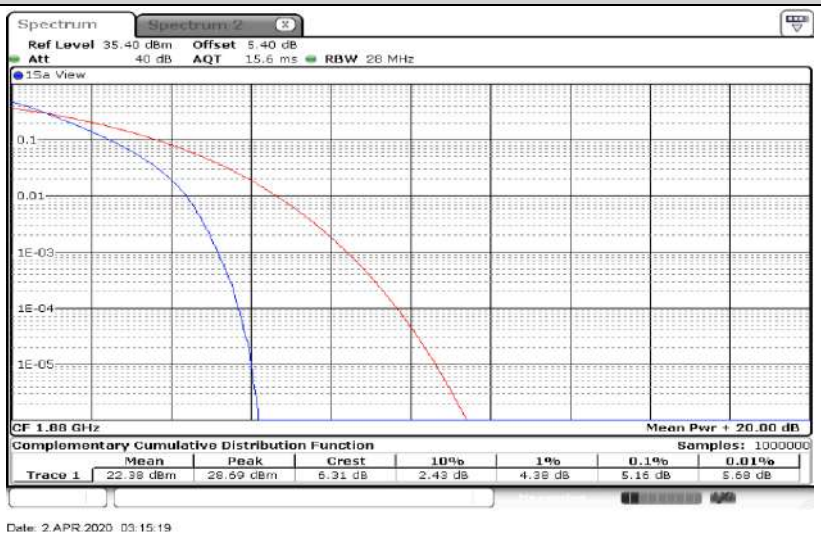
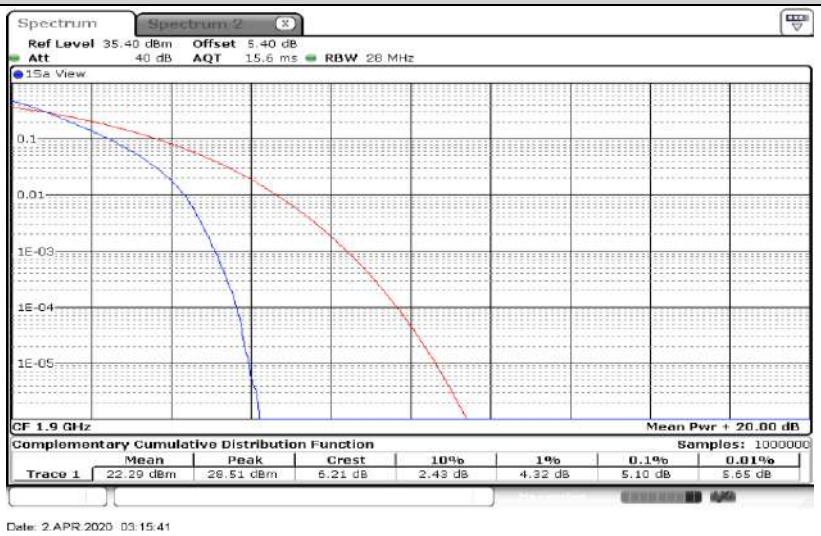
Band2-20MHz-QPSK-18900-100RB#0



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



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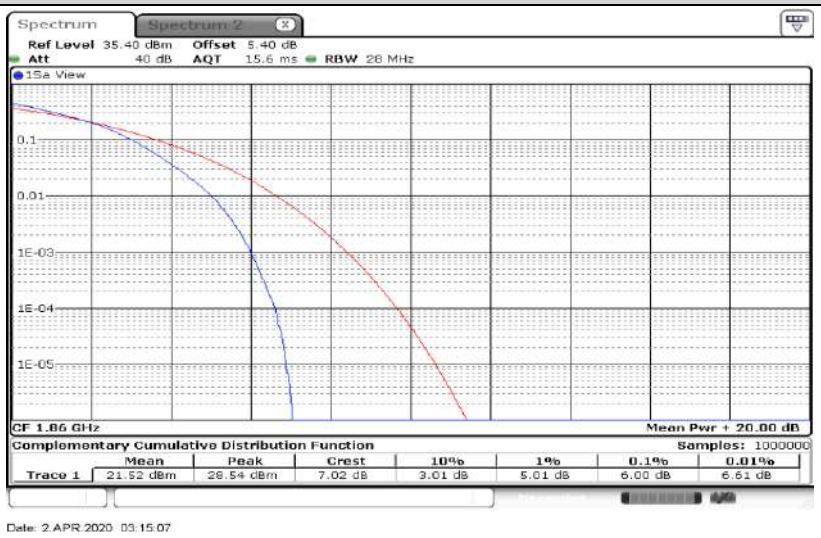
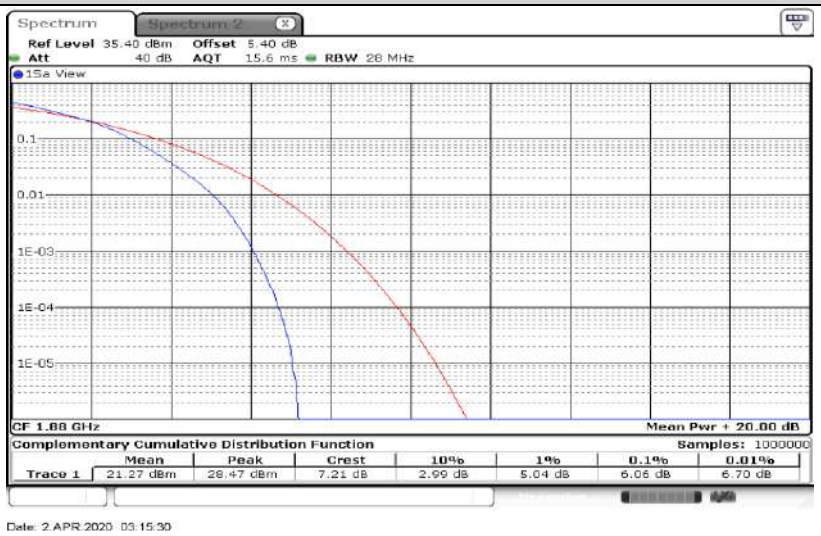
Band2-20MHz-16QAM-18700-100RB#0



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



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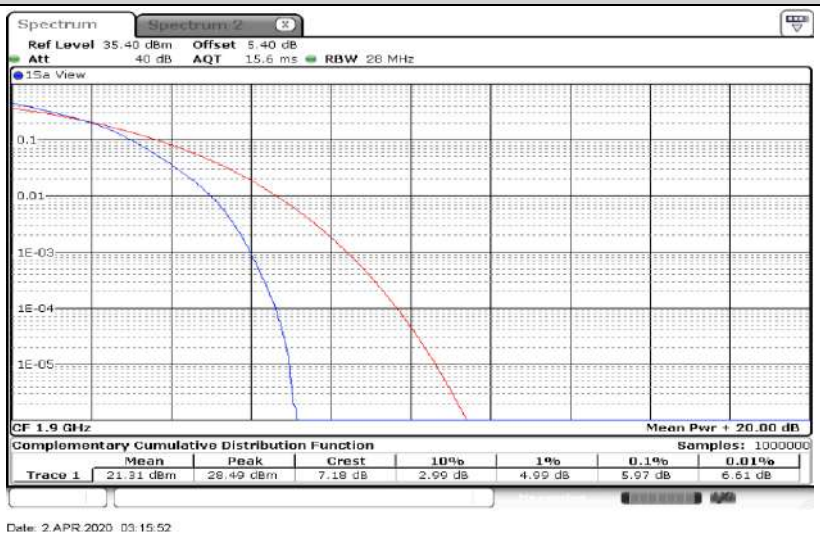
Band2-20MHz-16QAM-19100-100RB#0



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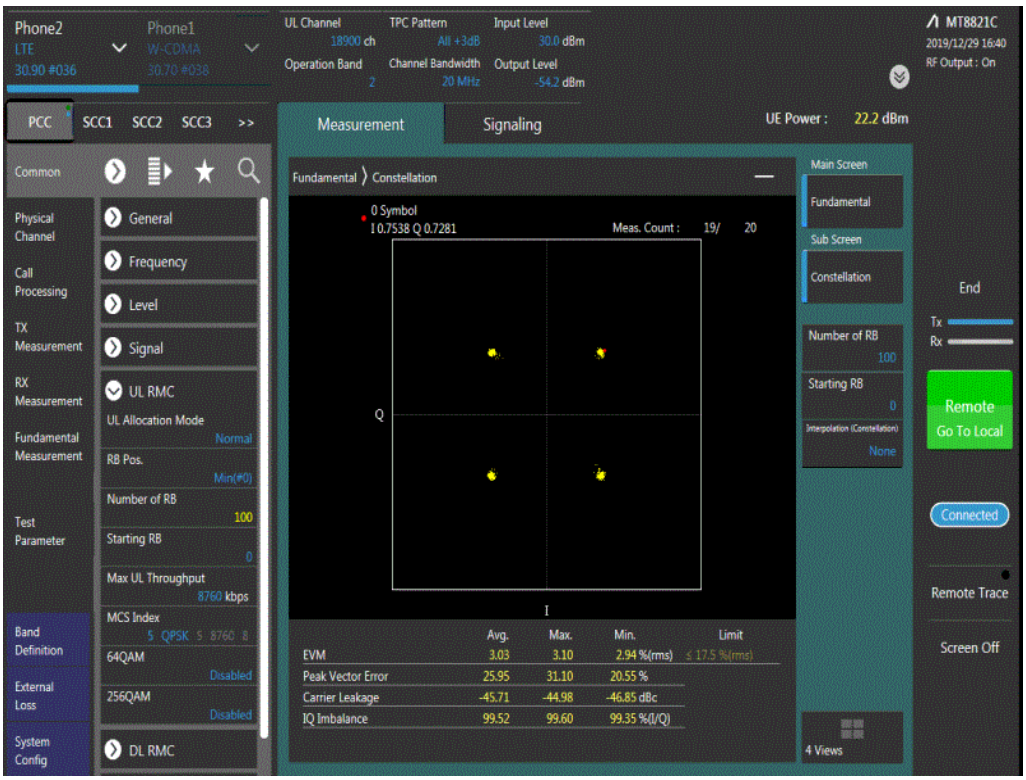
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



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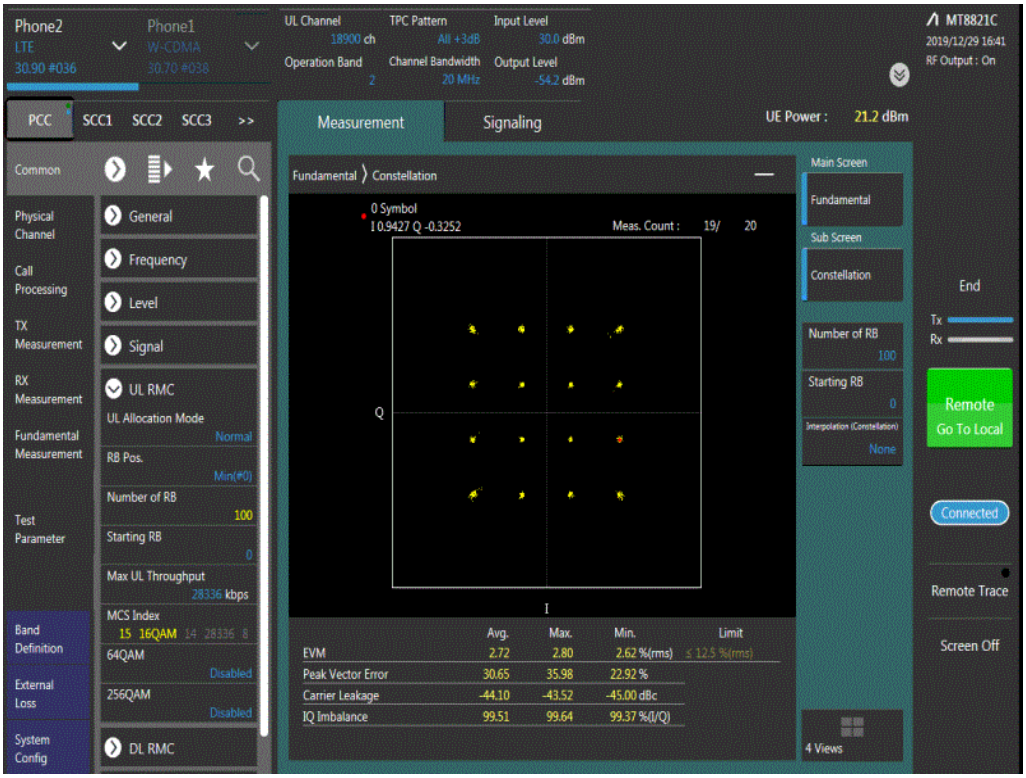
3.2. Test Mode = LTE /TM2 20MHz

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	1.281	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.091	1.287	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.091	1.284	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.088	1.275	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.088	1.278	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.088	1.281	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.697	3.000	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.697	2.982	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.697	2.988	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.685	2.964	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.691	2.964	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.685	2.976	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.466	4.930	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.476	4.940	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.476	4.940	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.486	4.950	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.486	4.950	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.486	4.950	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.911	9.740	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.911	9.700	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.931	9.720	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.911	9.700	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.931	9.720	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.931	9.760	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.397	14.790	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.427	14.730	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.457	14.820	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.397	14.640	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.427	14.700	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.457	14.700	PASS

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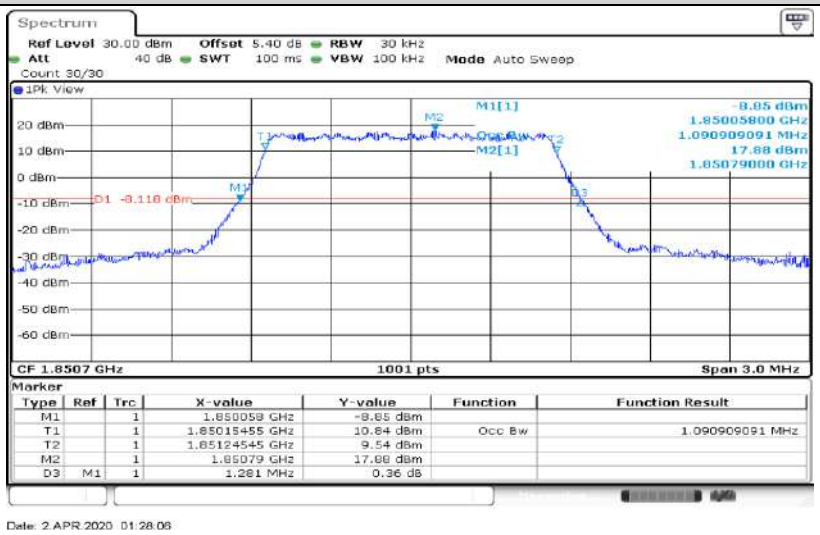
Band2	20MHz	QPSK	18700	100RB#0	17.822	19.360	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.822	19.400	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.902	19.400	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.822	19.400	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.862	19.400	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.862	19.440	PASS

4.2. Test Plots

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



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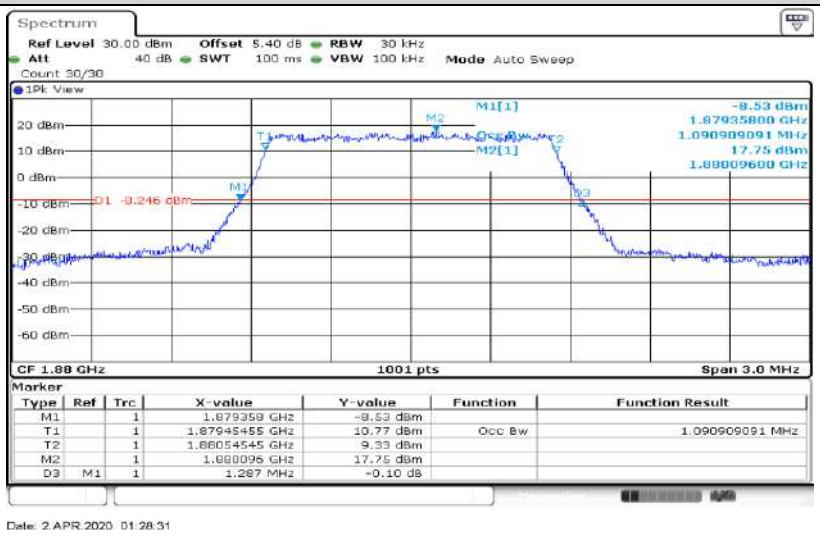
Band2-1.4MHz-QPSK-18900-6RB#0-1.091



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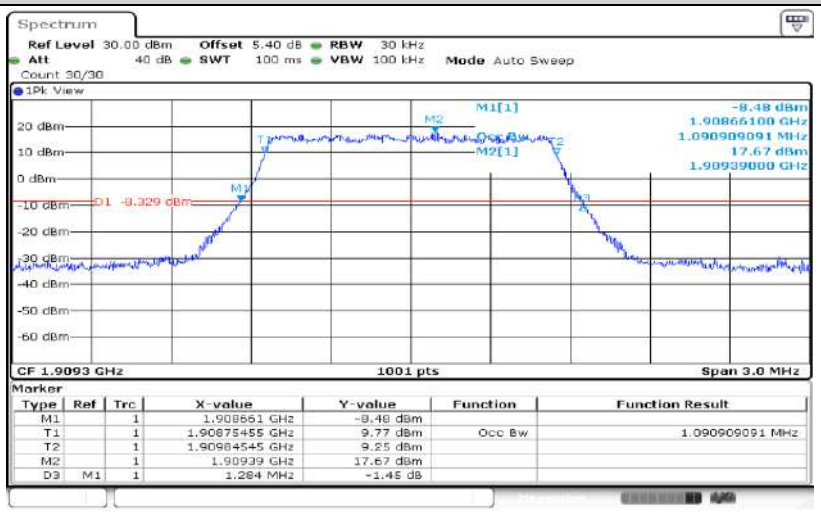
Band2-1.4MHz-QPSK-19193-6RB#0-1.091



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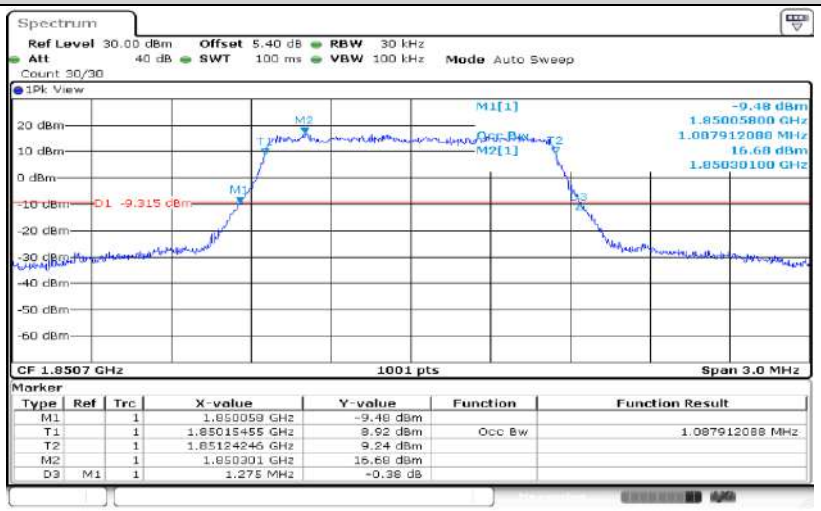
Band2-1.4MHz-16QAM-18607-6RB#0-1.088



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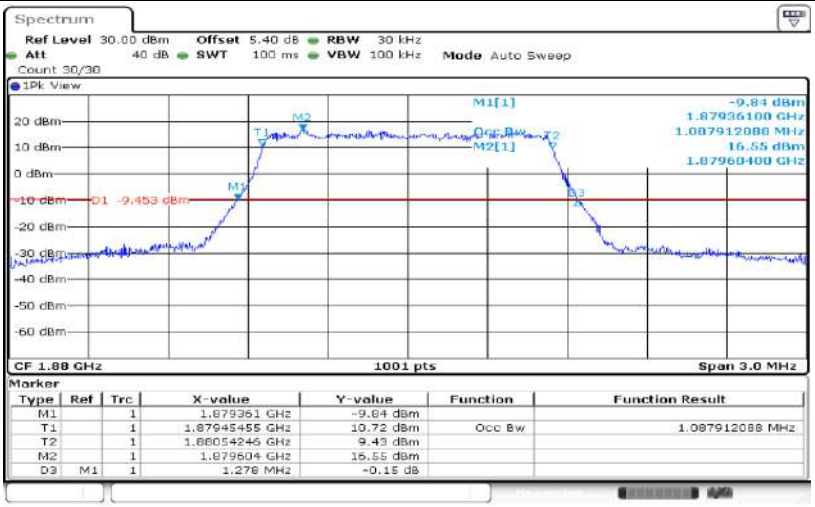
Band2-1.4MHz-16QAM-18900-6RB#0-1.088



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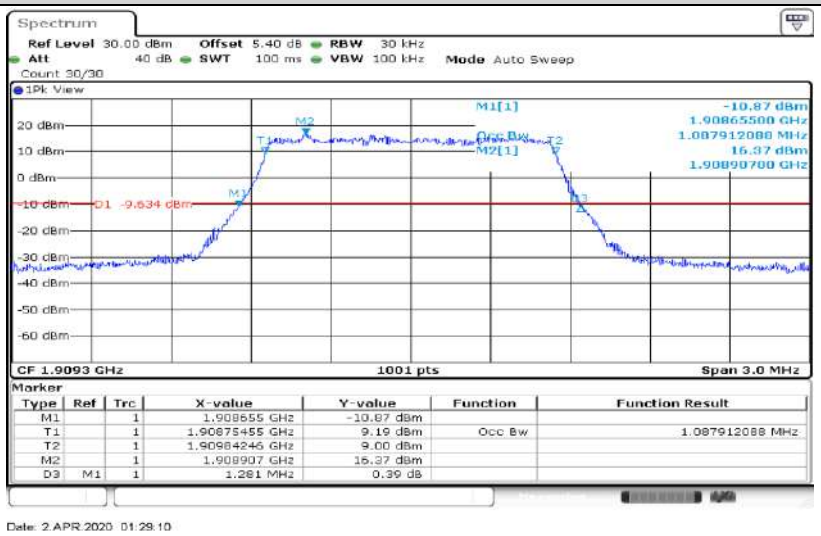

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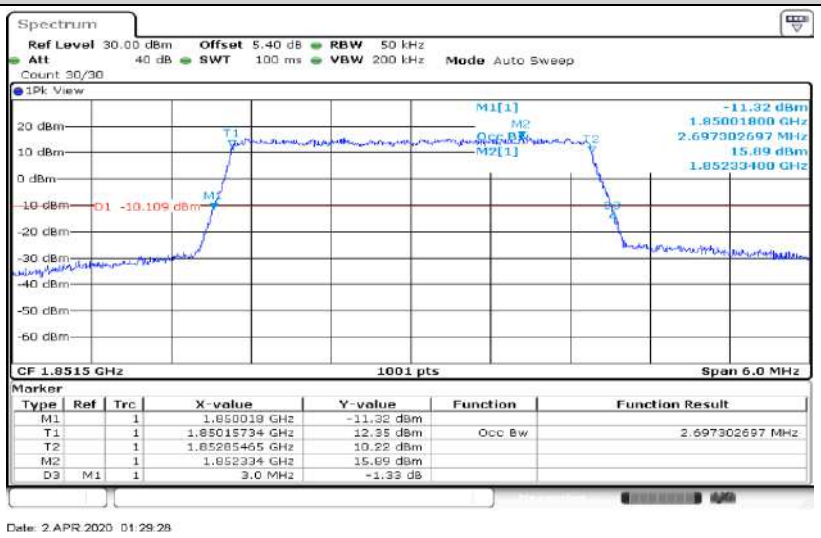
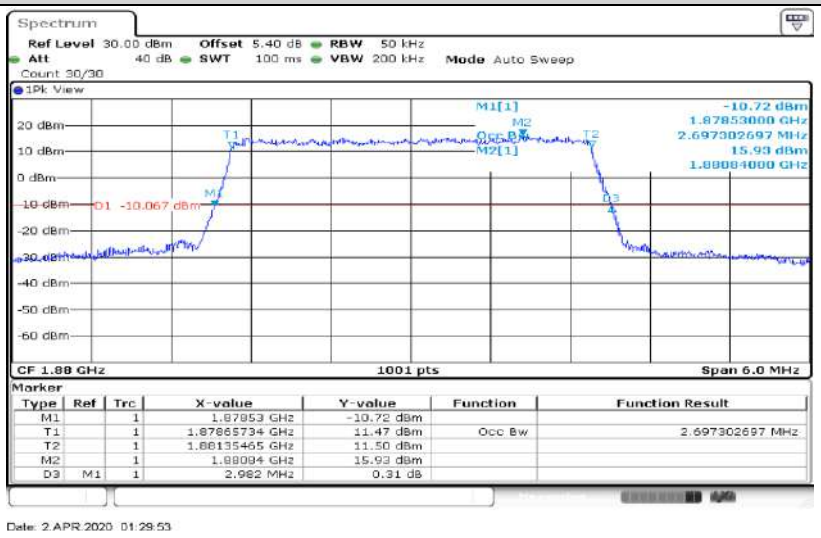
Band2-3MHz-QPSK-18615-15RB#0-2.697



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



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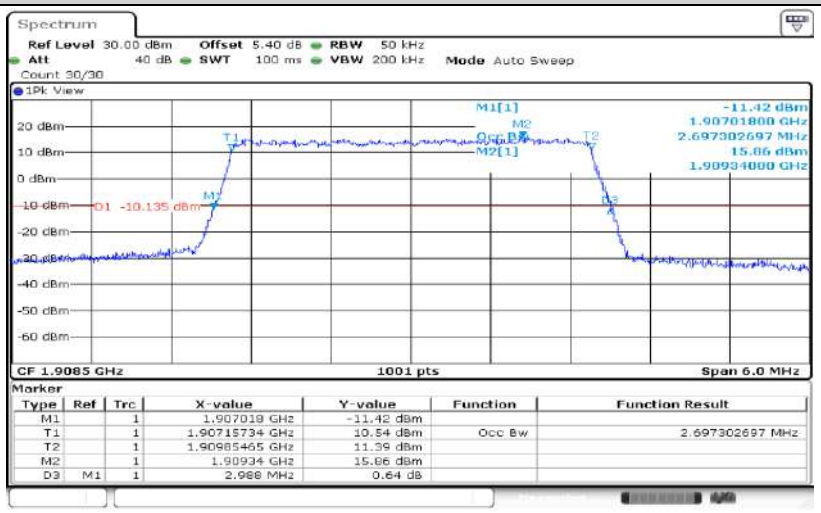
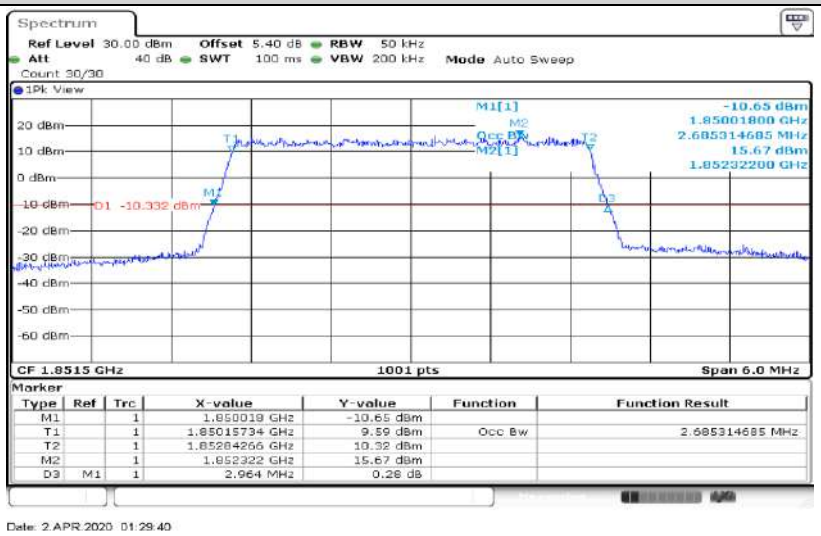
Band2-3MHz-QPSK-19185-15RB#0-2.697



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



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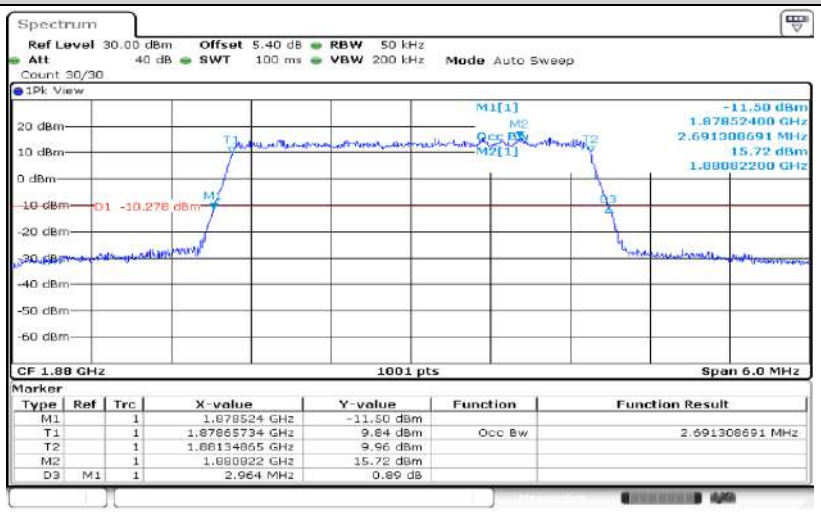
Band2-3MHz-16QAM-18900-15RB#0-2.691



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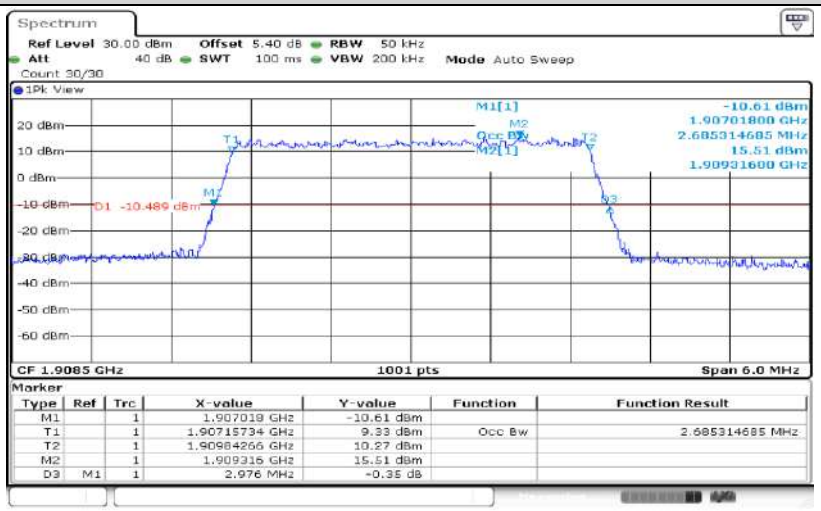

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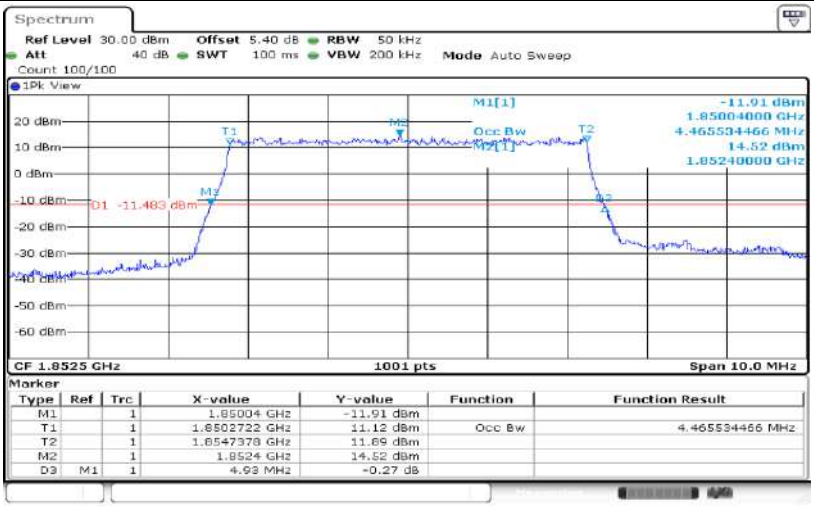
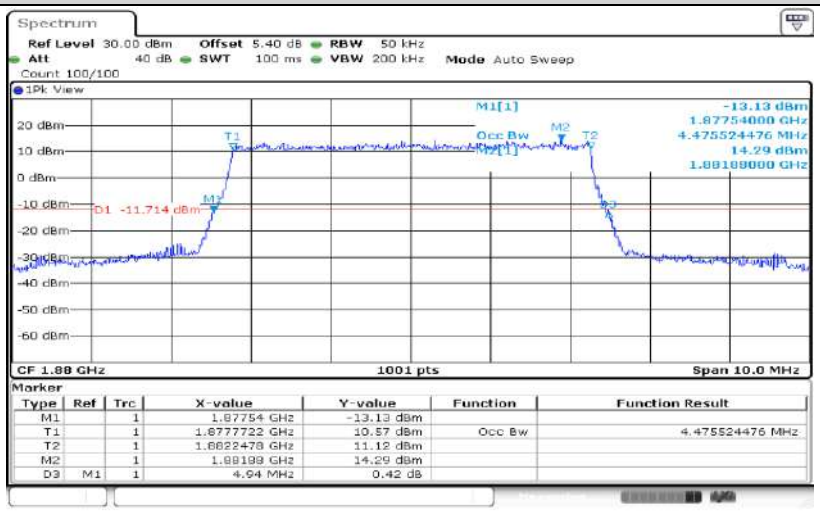
Band2-5MHz-QPSK-18625-25RB#0-4.466



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



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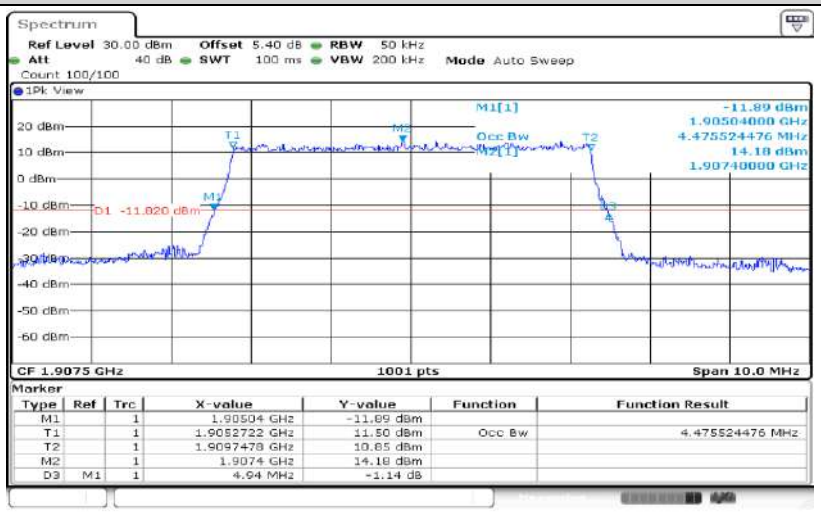
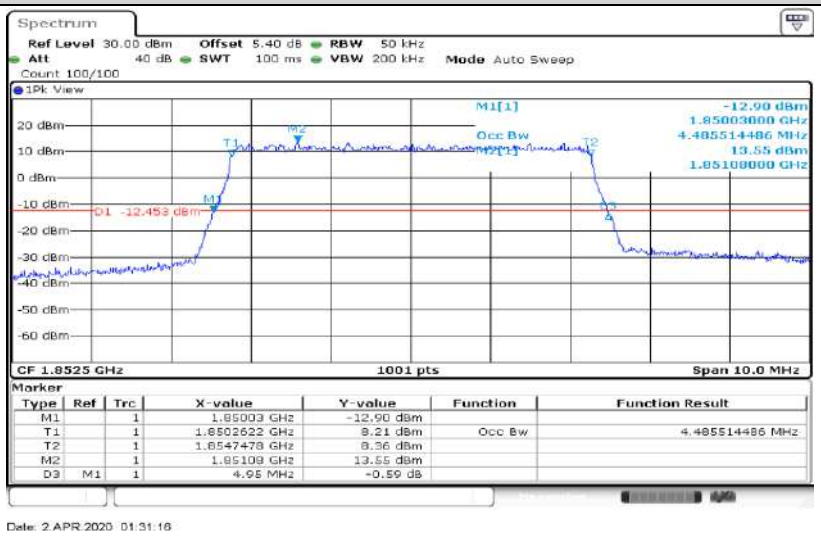
Band2-5MHz-QPSK-19175-25RB#0-4.476



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



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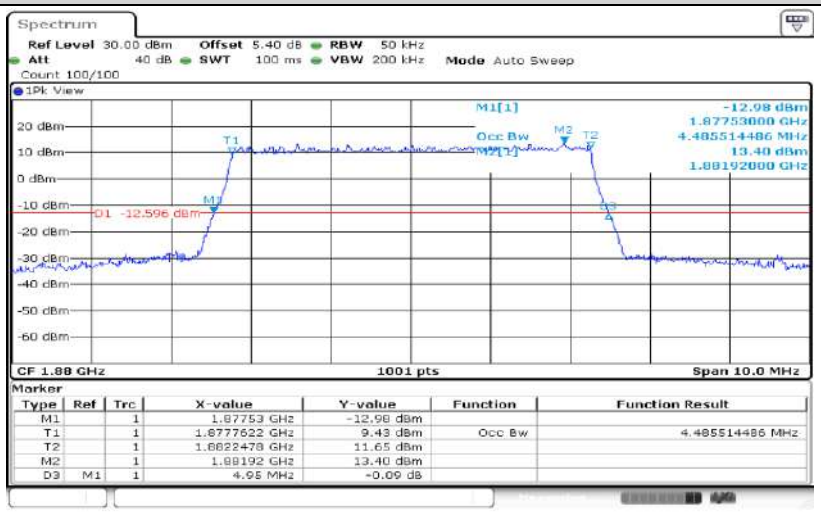
Band2-5MHz-16QAM-18900-25RB#0-4.486



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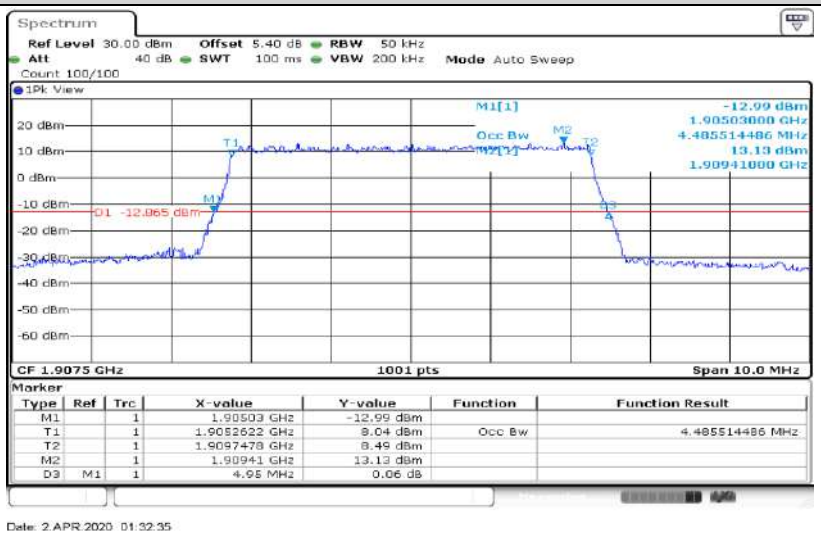

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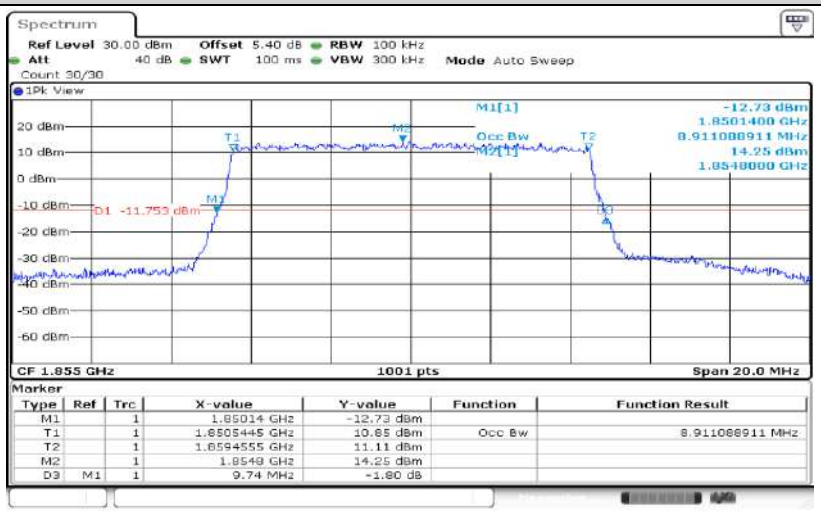
Band2-10MHz-QPSK-18650-50RB#0-8.911



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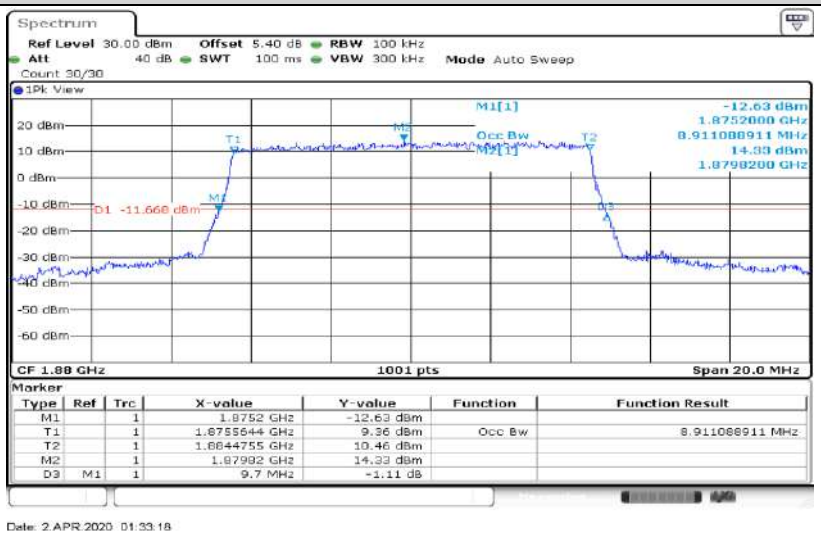

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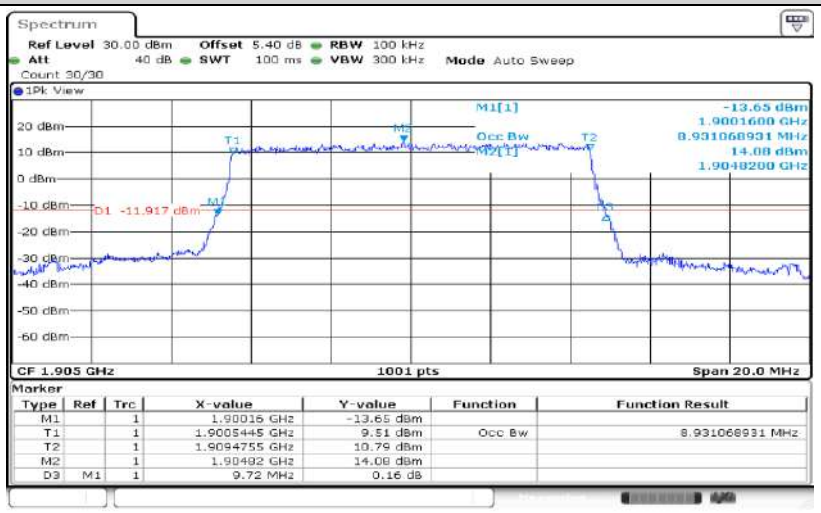
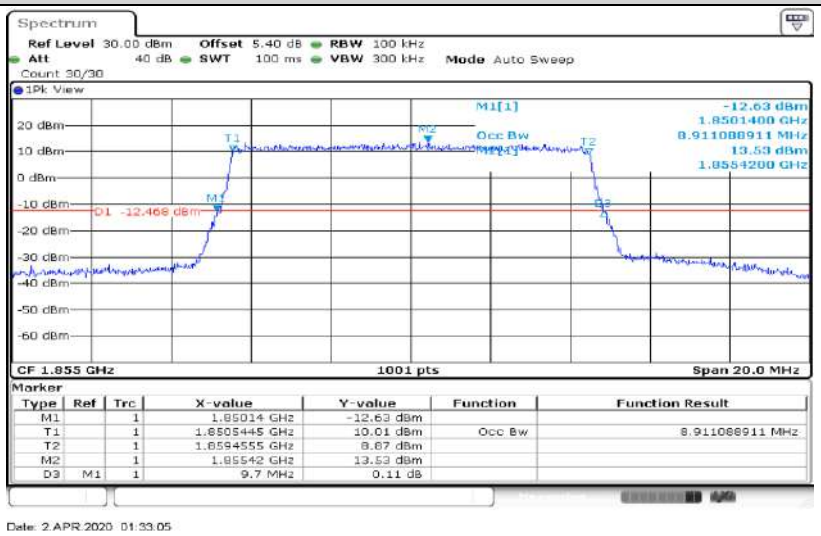
Band2-10MHz-QPSK-19150-50RB#0-8.931



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



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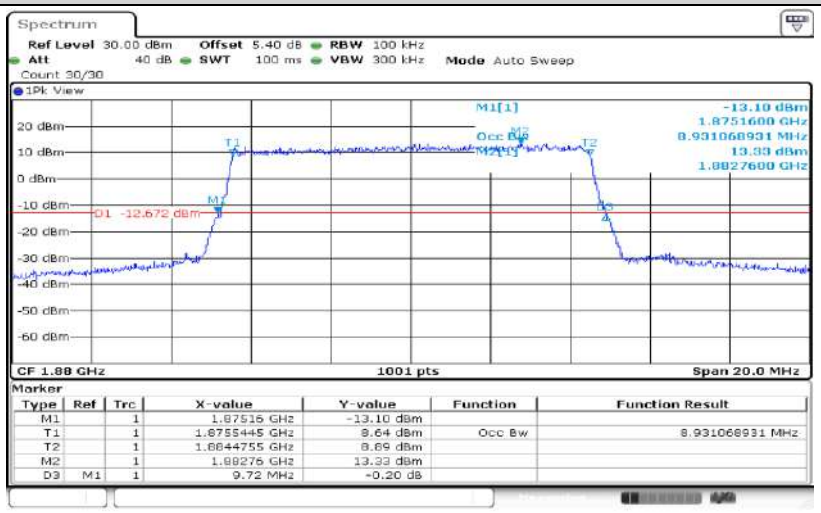
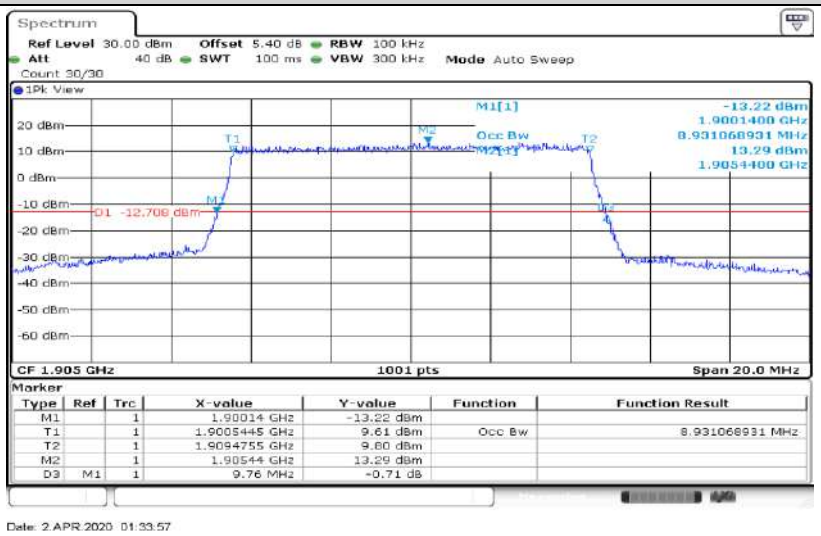
Band2-10MHz-16QAM-18900-50RB#0-8.931



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



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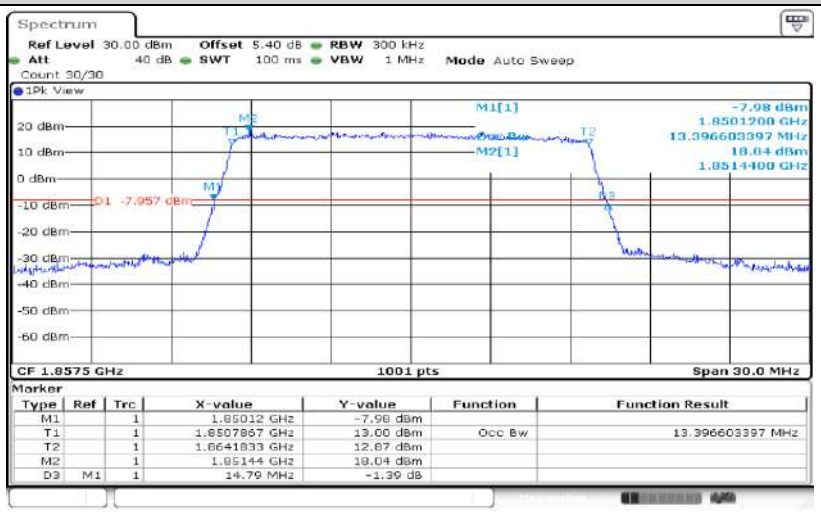
Band2-15MHz-QPSK-18675-75RB#0-13.397



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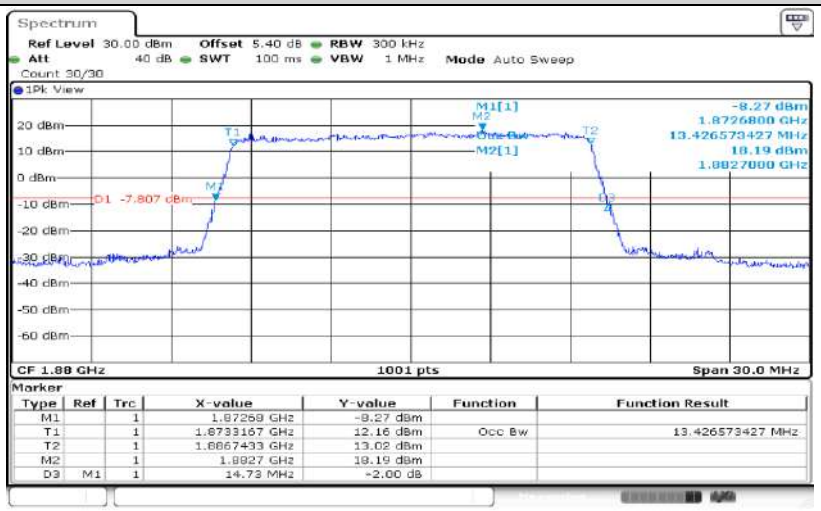
Band2-15MHz-QPSK-18900-75RB#0-13.427



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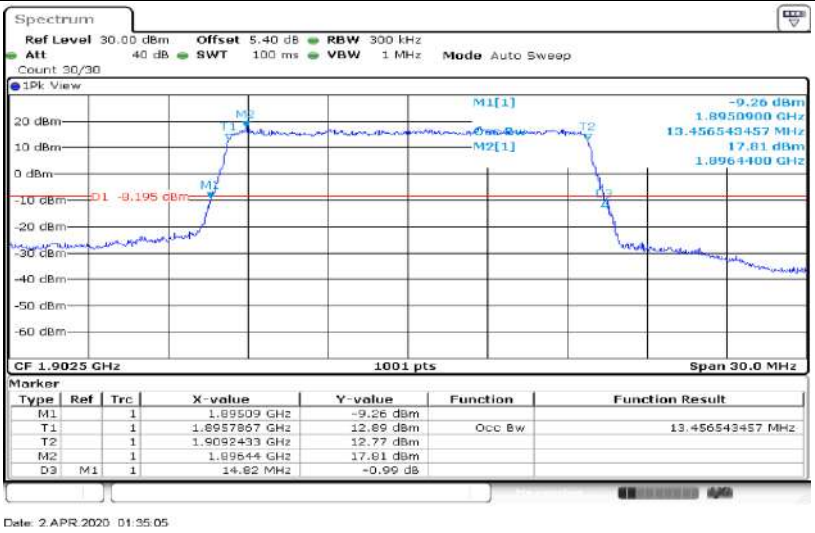
Band2-15MHz-QPSK-19125-75RB#0-13.457



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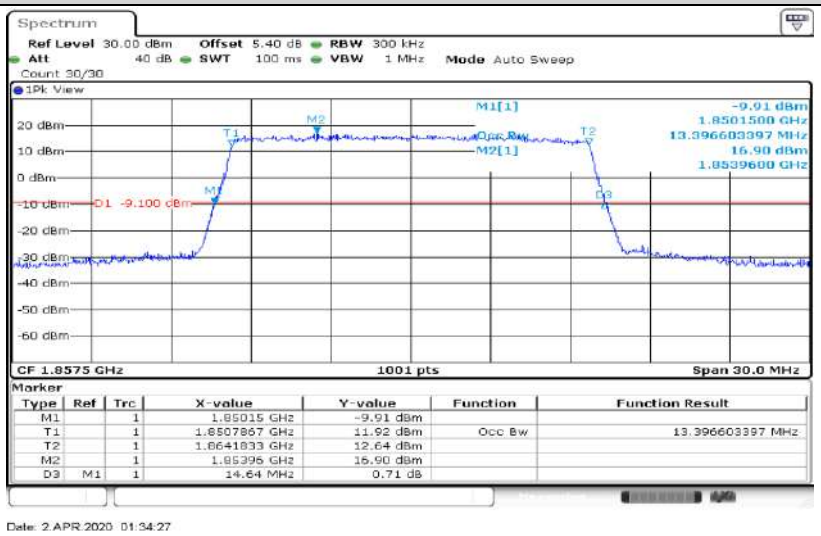
Band2-15MHz-16QAM-18675-75RB#0-13.397



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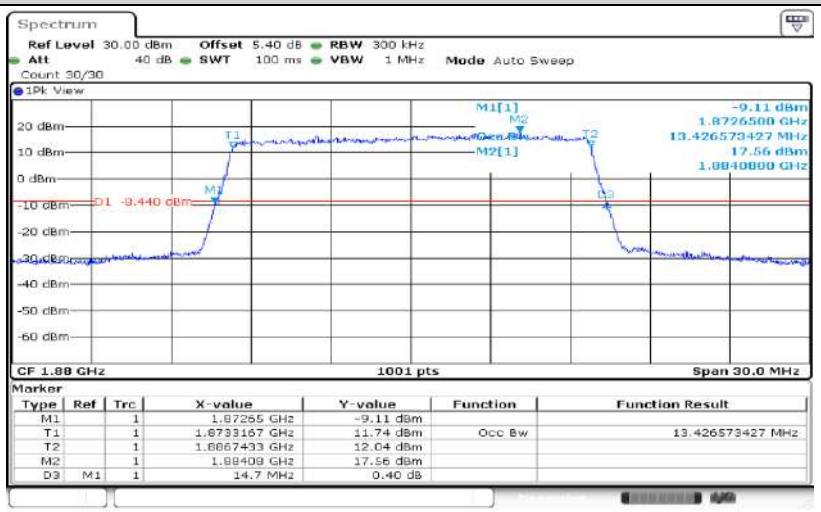
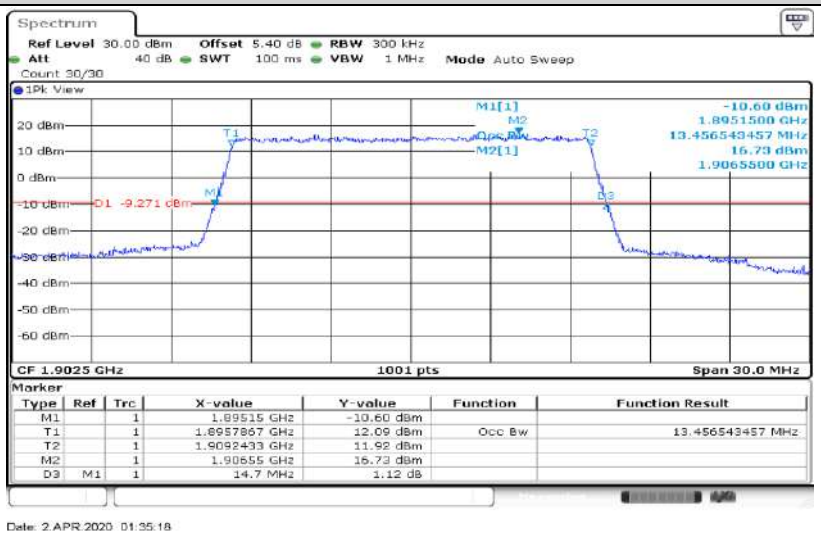
Band2-15MHz-16QAM-18900-75RB#0-13.427



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



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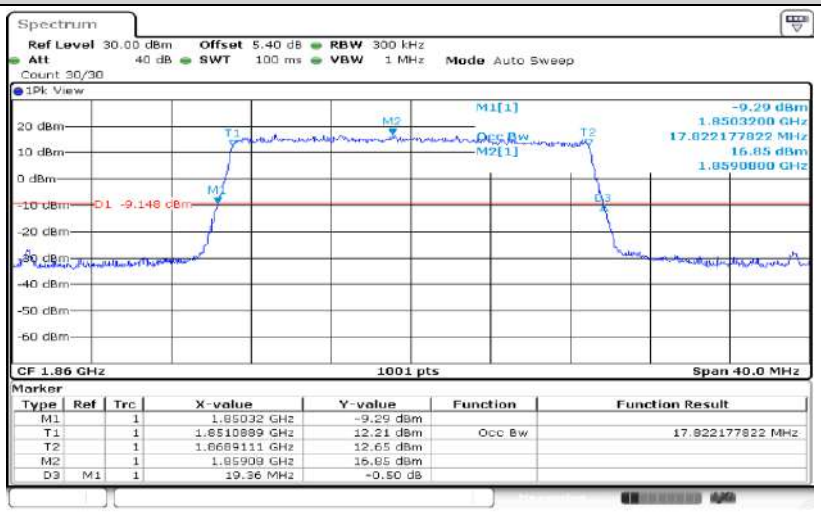
Band2-20MHz-QPSK-18700-100RB#0-17.822



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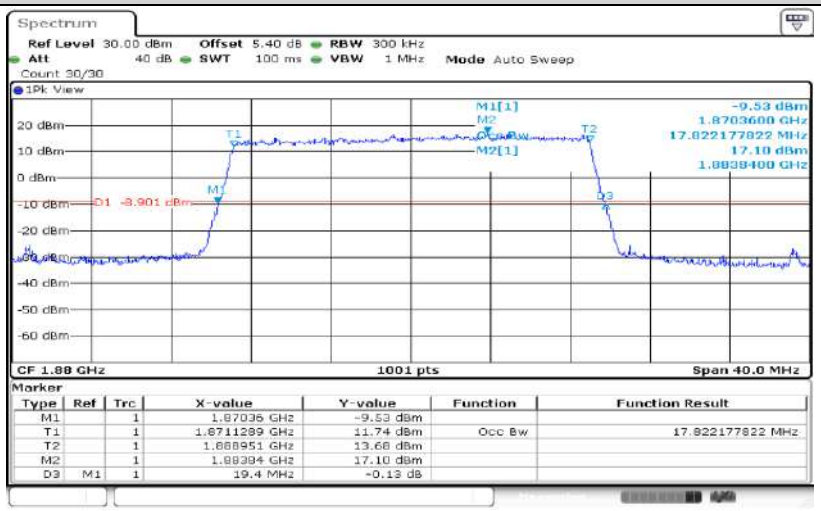
Band2-20MHz-QPSK-18900-100RB#0-17.822



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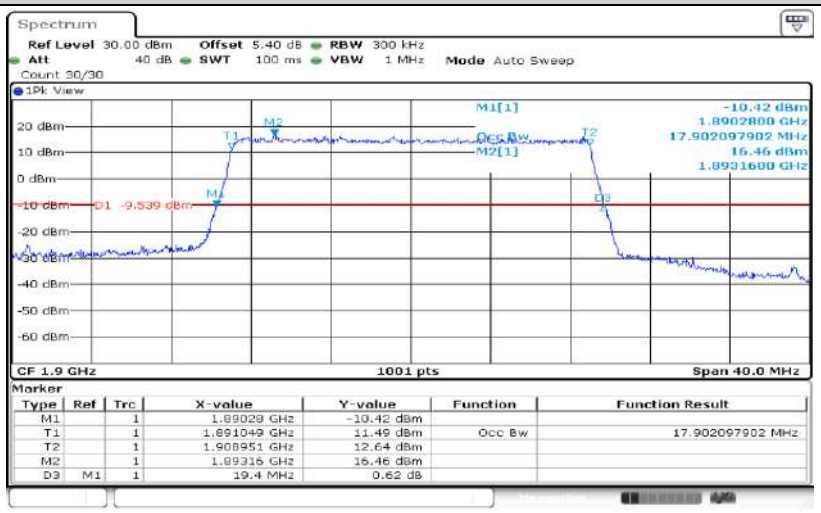
Band2-20MHz-QPSK-19100-100RB#0-17.902



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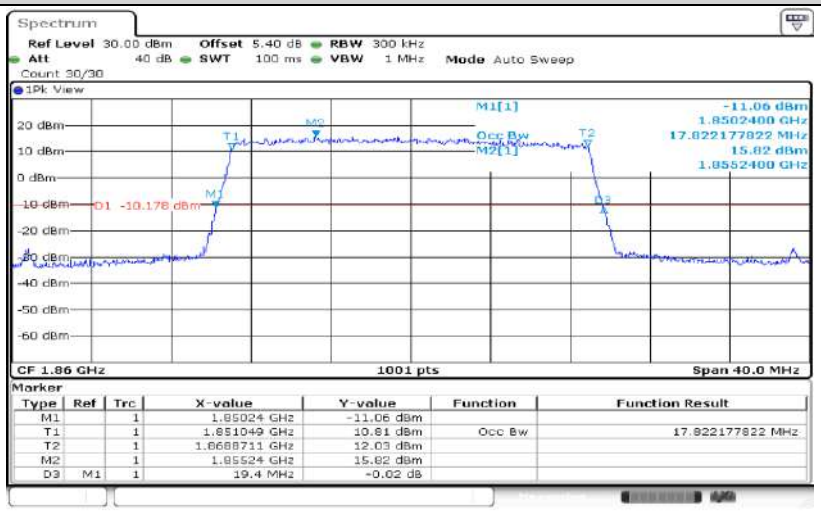
Band2-20MHz-16QAM-18700-100RB#0-17.822



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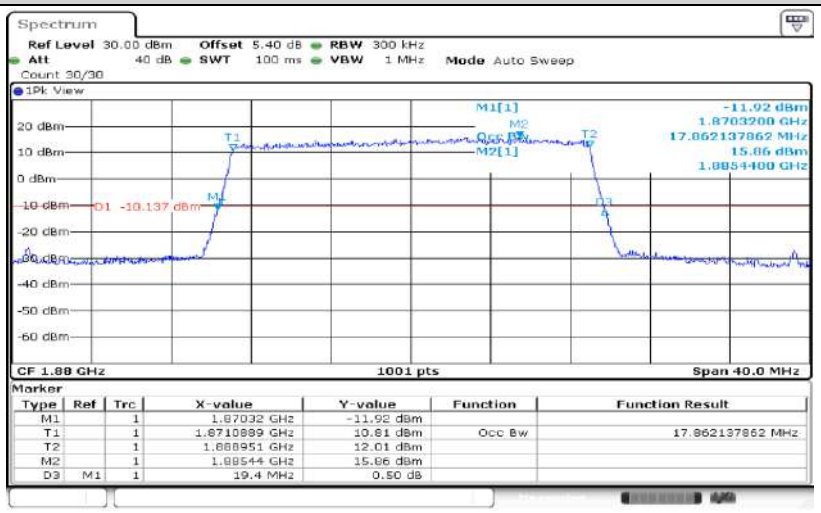
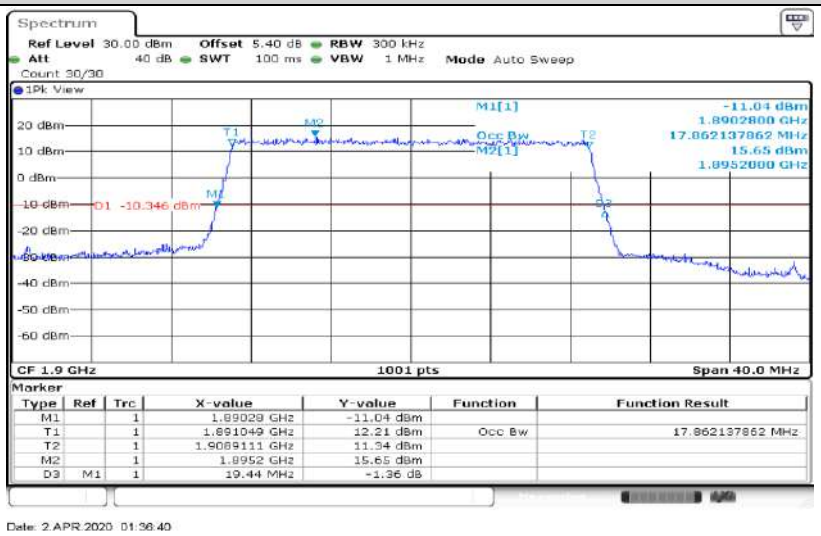
Band2-20MHz-16QAM-18900-100RB#0-17.862



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



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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

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

Date: 2.APR.2020 01:38:28

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

Date: 2.APR.2020 01:40:30

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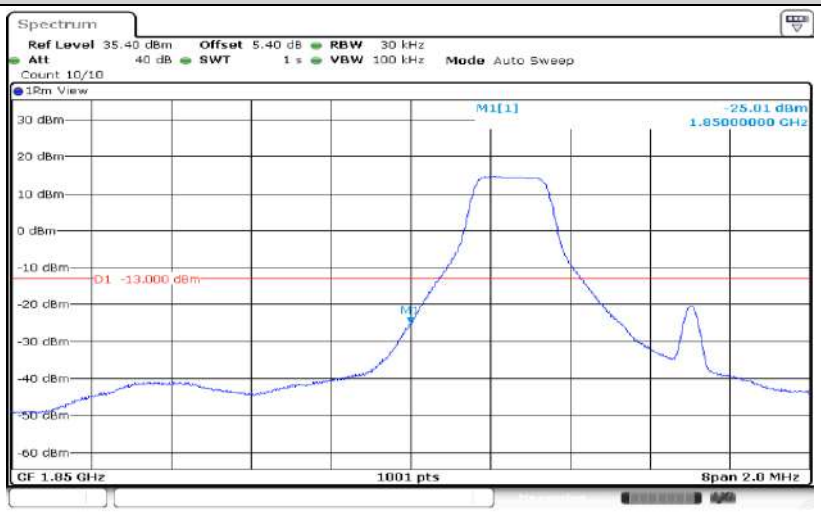
Band2-1.4MHz-16QAM-18607-1RB#0



Date: 2.APR.2020 01:37:24

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

Date: 2.APR.2020 01:40:10

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

Date: 2.APR.2020 01:38:47

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

Date: 2.APR.2020 01:40:50

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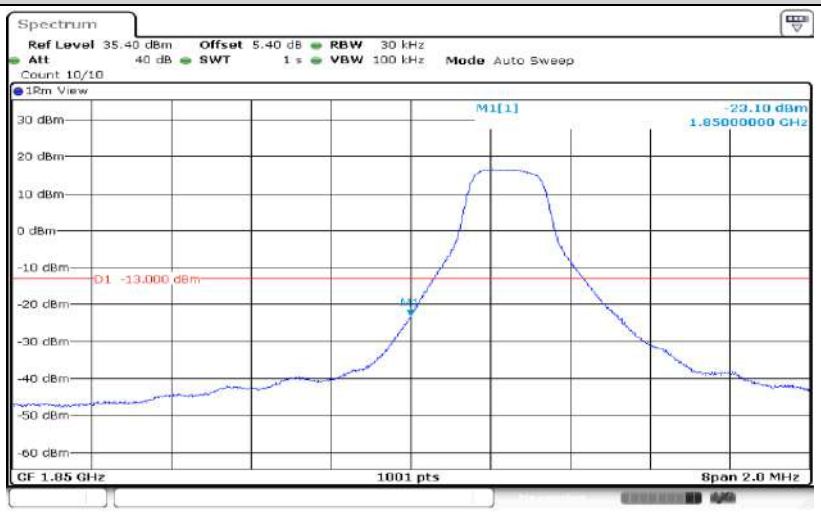
Band2-3MHz-QPSK-18615-1RB#0



Date: 2.APR.2020 01:41:14

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

Date: 2.APR.2020 01:43:59

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

Date: 2.APR.2020 01:42:37

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

Date: 2.APR.2020 01:44:38

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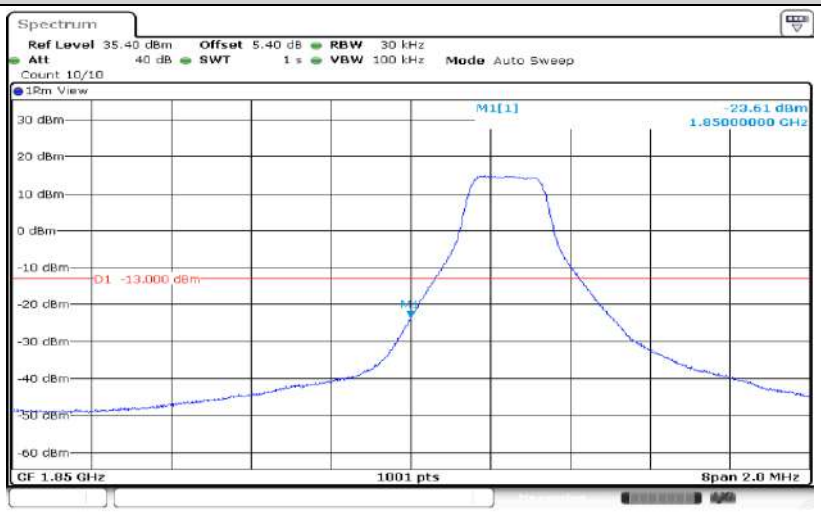
Band2-3MHz-16QAM-18615-1RB#0



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

Date: 2.APR.2020 01:44:18

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

Date: 2.APR.2020 01:42:56

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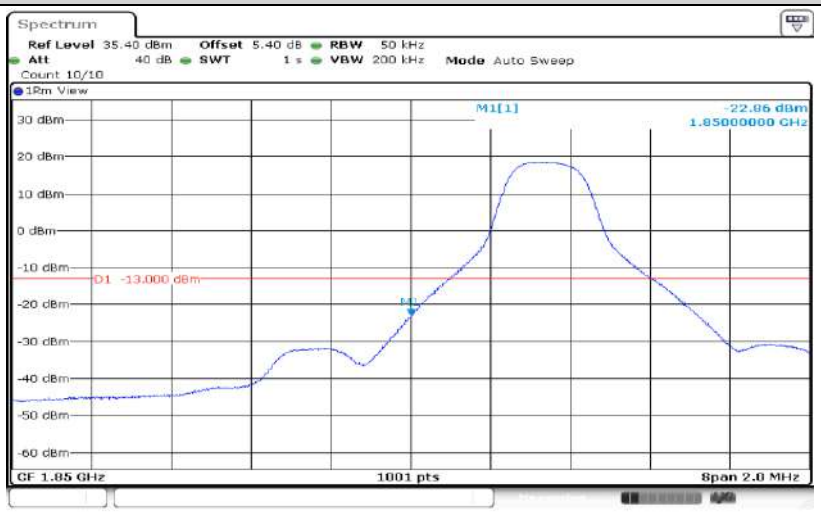
Band2-5MHz-QPSK-18625-1RB#0



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

Date: 2.APR.2020 01:48:08

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

Date: 2.APR.2020 01:46:44

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

Date: 2.APR.2020 01:48:47

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

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

Date: 2.APR.2020 01:47:03

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

Date: 2.APR.2020 02:59:08

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

Date: 2.APR.2020 03:01:52

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

Date: 2.APR.2020 03:00:30

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

Date: 2.APR.2020 03:02:32

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

Date: 2.APR.2020 02:59:27

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

Date: 2.APR.2020 03:02:12

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

Date: 2.APR.2020 03:00:49

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

Date: 2.APR.2020 03:02:51

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

Date: 2.APR.2020 03:03:15

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

Date: 2.APR.2020 03:06:01

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

Date: 2.APR.2020 03:04:38

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

Date: 2.APR.2020 03:06:40

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

Date: 2.APR.2020 03:03:35

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

Date: 2.APR.2020 03:06:20

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

Date: 2.APR.2020 03:04:58

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

Date: 2.APR.2020 03:07:00

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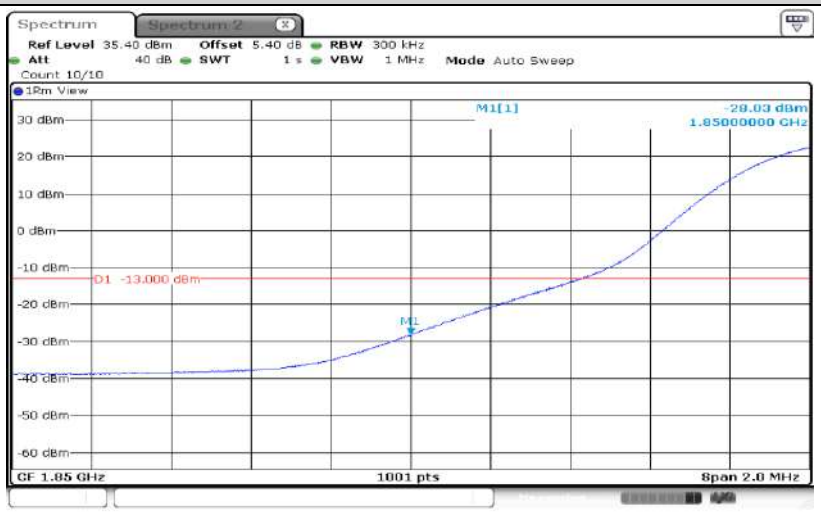
Band2-20MHz-QPSK-18700-1RB#0



Date: 2.APR.2020 03:07:24

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

Date: 2.APR.2020 03:10:09

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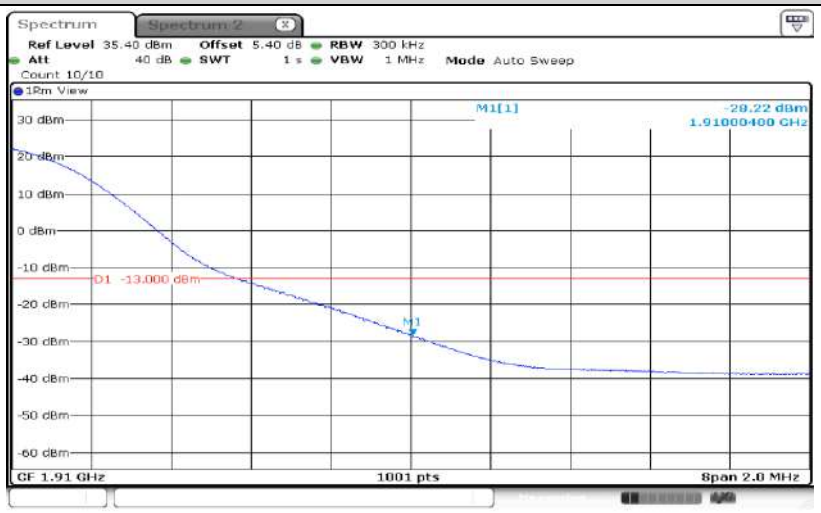
Band2-20MHz-QPSK-19100-1RB#99



Date: 2.APR.2020 03:08:47

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

Date: 2.APR.2020 03:10:48

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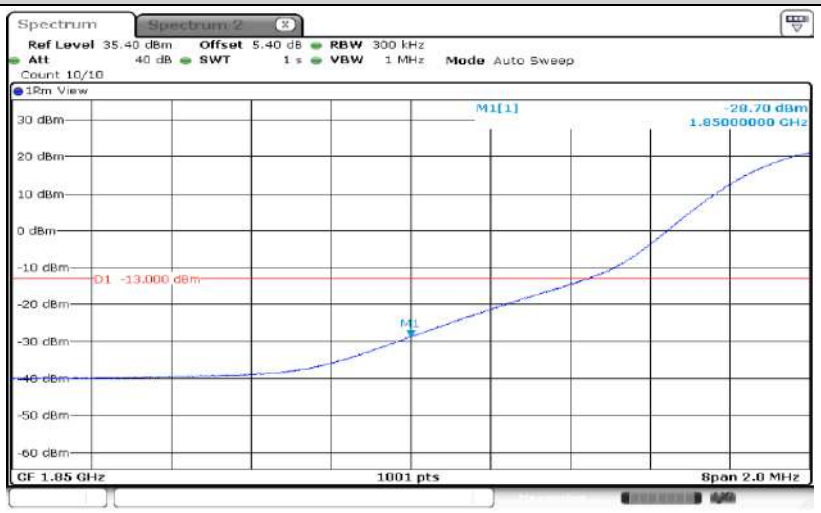
Band2-20MHz-16QAM-18700-1RB#0



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

Date: 2.APR.2020 03:10:28

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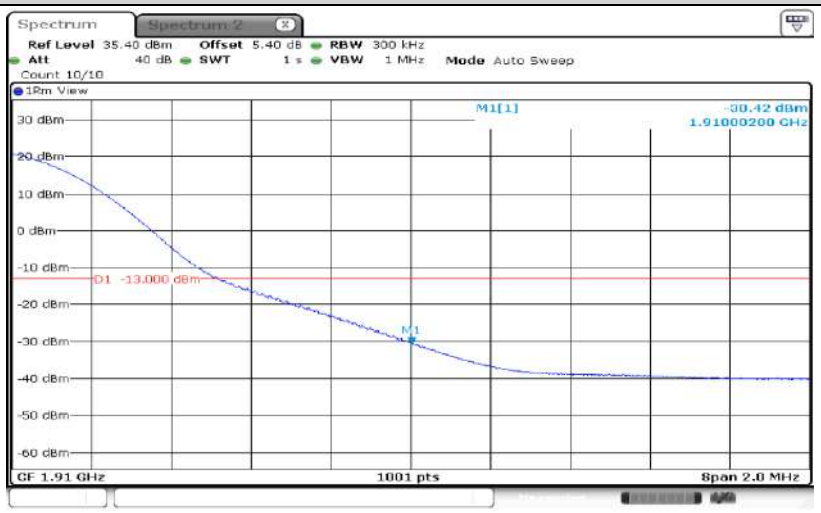
Band2-20MHz-16QAM-19100-1RB#99



Date: 2.APR.2020 03:09:06

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

Date: 2.APR.2020 03:11:07

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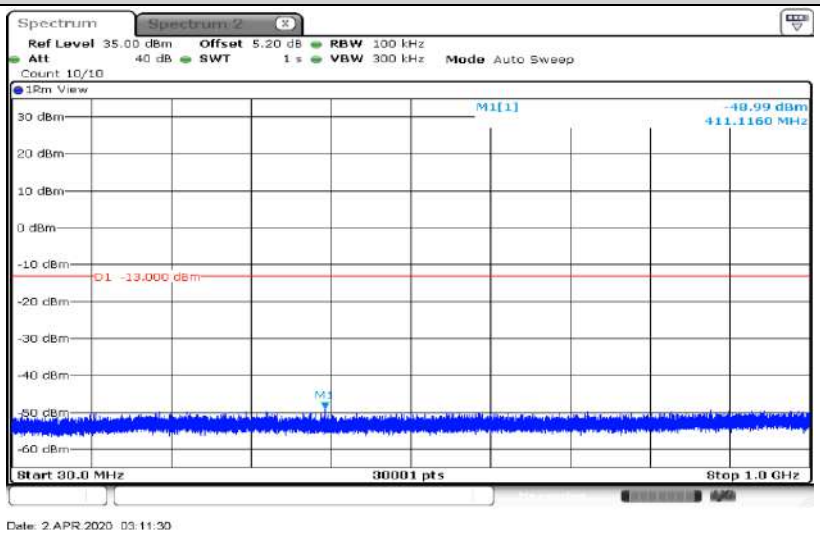
6. Spurious Emission at Antenna Terminal

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.

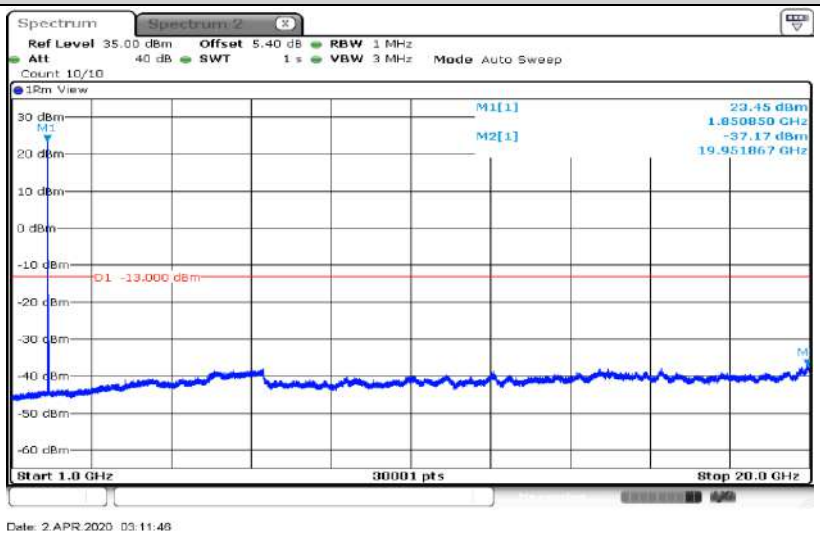
Remark2: only the worst case data displayed in this report.

6.1. Test Plots

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



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



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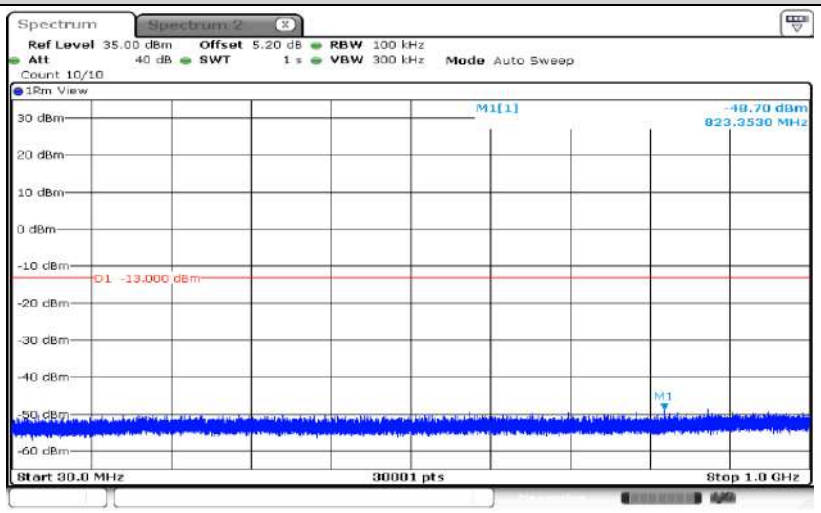
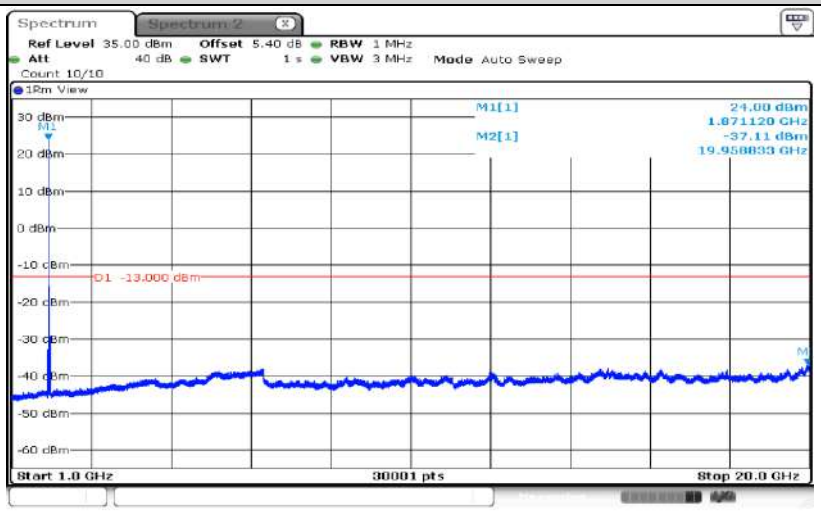
Band2-20MHz-QPSK-18900-1RB#0-Range1:30~1000MHz



Date: 2.APR.2020 03:12:40

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



Date: 2.APR.2020 03:12:56

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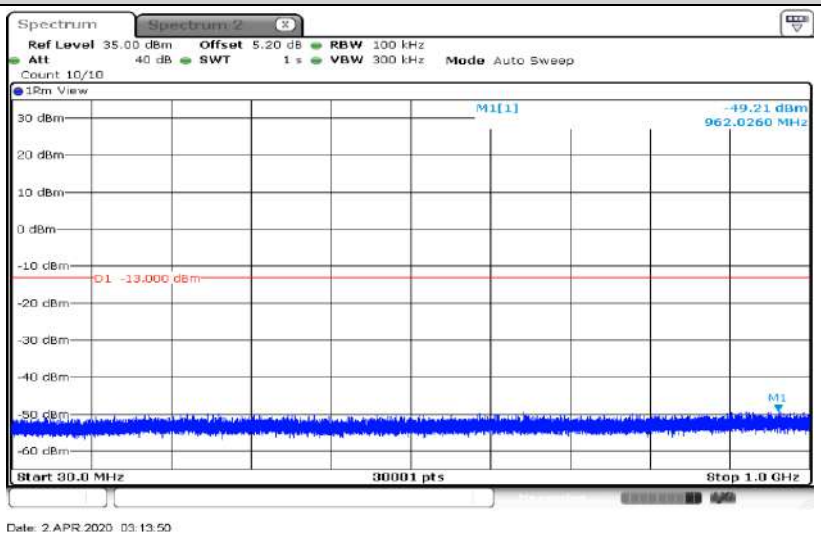
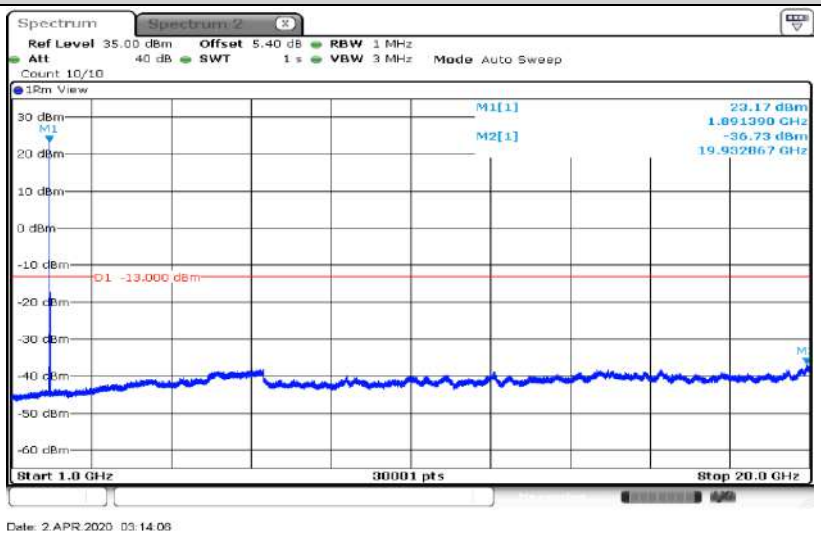
Band2-20MHz-QPSK-19100-1RB#0-Range1:30~1000MHz



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



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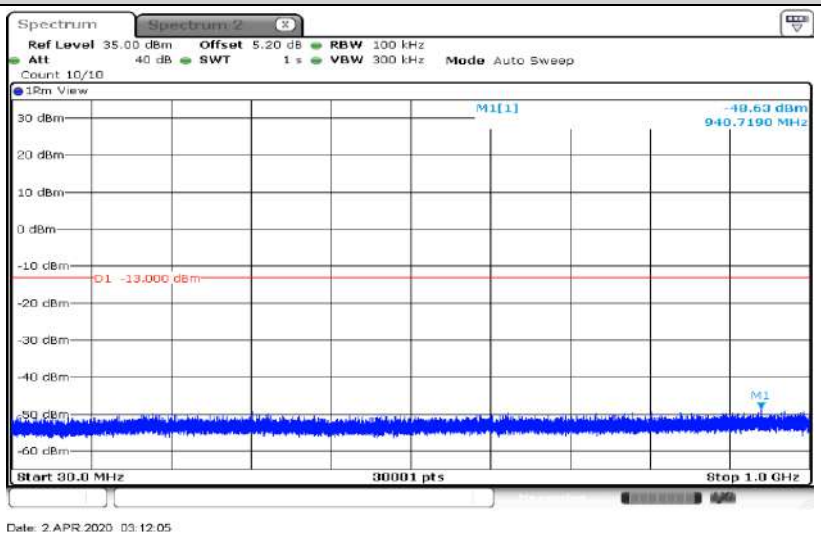
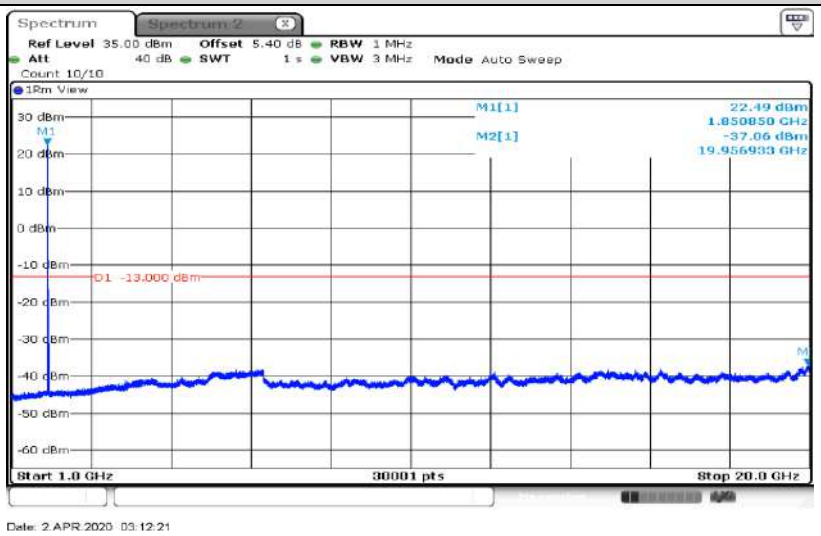
Band2-20MHz-16QAM-18700-1RB#0-Range1:30~1000MHz



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



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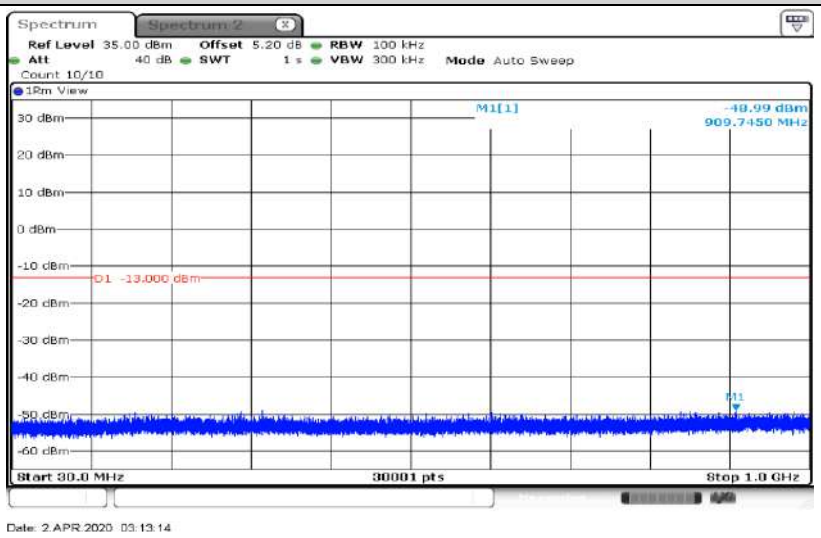
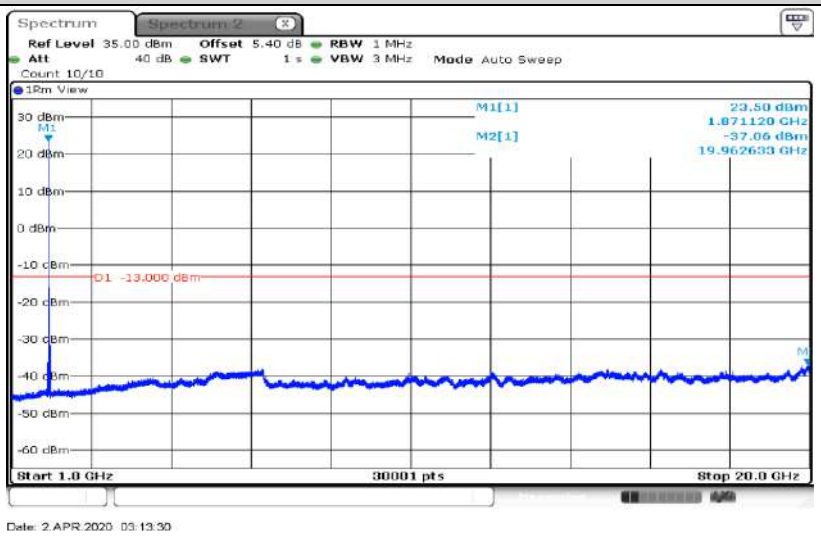
Band2-20MHz-16QAM-18900-1RB#0-Range1:30~1000MHz



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



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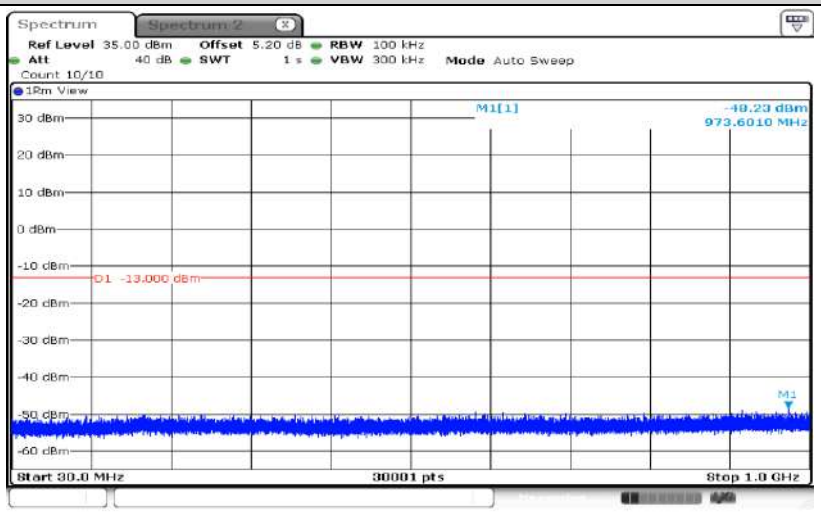
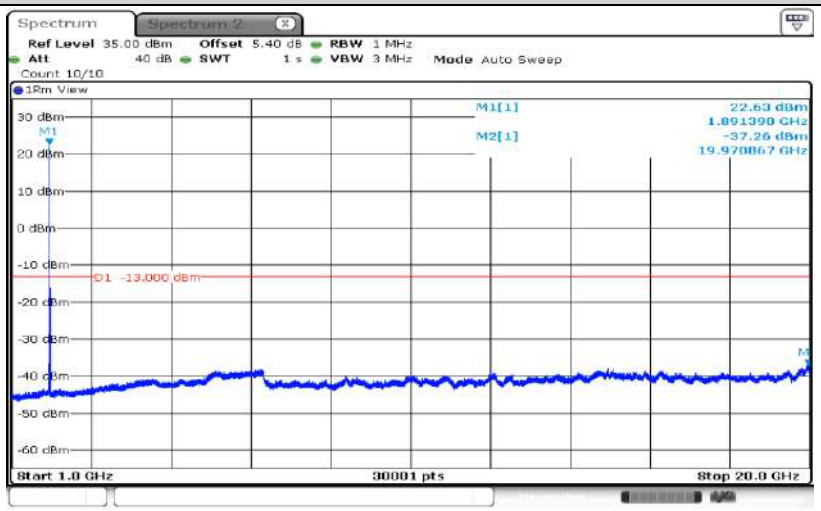
Band2-20MHz-16QAM-19100-1RB#0-Range1:30~1000MHz



Date: 2.APR.2020 03:14:25

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)	Polarization
56.650000	-77.53	-13.00	64.53	Vertical
212.900000	-78.69	-13.00	65.69	Vertical
937.895833	-75.24	-13.00	62.24	Vertical
3702.000000	-59.30	-13.00	46.30	Vertical
7404.400000	-54.00	-13.00	41.00	Vertical
9255.600000	-48.25	-13.00	35.25	Vertical
55.900000	-74.02	-13.00	61.02	Horizontal
209.400000	-74.77	-13.00	61.77	Horizontal
3702.000000	-61.82	-13.00	48.82	Horizontal
5553.200000	-62.54	-13.00	49.54	Horizontal
7404.400000	-52.11	-13.00	39.11	Horizontal
9255.275000	-43.38	-13.00	30.38	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
61.000000	-75.58	-13.00	62.58	Vertical
208.400000	-78.39	-13.00	65.39	Vertical
3741.975000	-59.51	-13.00	46.51	Vertical
5613.325000	-52.13	-13.00	39.13	Vertical
7484.350000	-55.43	-13.00	42.43	Vertical
9355.375000	-53.62	-13.00	40.62	Vertical
56.950000	-74.08	-13.00	61.08	Horizontal
188.700000	-74.65	-13.00	61.65	Horizontal
3741.975000	-59.27	-13.00	46.27	Horizontal
5613.325000	-62.93	-13.00	49.93	Horizontal
7484.350000	-53.25	-13.00	40.25	Horizontal
9355.375000	-46.70	-13.00	33.70	Horizontal

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7.1.3.Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
56.900000	-76.97	-13.00	63.97	Vertical
210.550000	-78.72	-13.00	65.72	Vertical
961.408333	-75.78	-13.00	62.78	Vertical
3782.275000	-57.48	-13.00	44.48	Vertical
7564.300000	-50.78	-13.00	37.78	Vertical
9455.475000	-50.32	-13.00	37.32	Vertical
55.850000	-74.70	-13.00	61.70	Horizontal
210.300000	-74.41	-13.00	61.41	Horizontal
3782.275000	-58.57	-13.00	45.57	Horizontal
5673.125000	-60.40	-13.00	47.40	Horizontal
7564.300000	-48.95	-13.00	35.95	Horizontal
9455.150000	-43.23	-13.00	30.23	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	0.20	0.000108	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	0.40	0.000215	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	0.90	0.000484	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-3.20	-0.001702	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-3.70	-0.001968	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-2.10	-0.001117	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	-2.60	-0.001368	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-2.30	-0.001211	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-2.30	-0.001211	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	1.80	0.000968	±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	2.60	0.001398	±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	-2.50	-0.001330	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	-3.60	-0.001915	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	-2.10	-0.001105	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	-2.60	-0.001368	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	-3.90	-0.002053	±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	1.40	0.000753	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	-0.70	-0.000376	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	-1.10	-0.000591	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	0.50	0.000269	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	0.50	0.000269	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	0.20	0.000108	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	0.50	0.000269	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-3.10	-0.001649	±2.5	PASS

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Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-5.70	-0.003032	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-1.80	-0.000957	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-1.50	-0.000798	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-4.50	-0.002394	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-2.00	-0.001064	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-1.80	-0.000957	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-4.50	-0.002394	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-1.30	-0.000684	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	-1.50	-0.000789	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	-2.40	-0.001263	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-3.50	-0.001842	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-1.10	-0.000579	±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	-1.90	-0.001000	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	-0.60	-0.000316	±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	-20	-0.60	-0.000323	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	1.00	0.000538	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	2.50	0.001344	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	2.10	0.001129	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	0.20	0.000108	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	-0.40	-0.000215	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	-0.60	-0.000323	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-3.50	-0.001862	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-3.80	-0.002021	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-4.30	-0.002287	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-2.50	-0.001330	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-2.90	-0.001543	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-1.00	-0.000532	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	-2.30	-0.001223	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-2.00	-0.001064	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-3.30	-0.001737	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	-3.00	-0.001579	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	-2.50	-0.001316	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-1.60	-0.000842	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	-1.70	-0.000895	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	-3.70	-0.001947	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-3.80	-0.002000	±2.5	PASS

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中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com
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Band2	20MHz	16QAM	19100	100RB#0	NV	50	-2.50	-0.001316	±2.5	PASS

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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com
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