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	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	23.06	23.06	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.08	23.08	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.9	22.9	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	23.12	23.12	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	23.08	23.08	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	23.11	23.11	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.02	22.02	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.98	22.98	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.03	23.03	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.9	22.9	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	23.02	23.02	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	23.12	23.12	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	23.08	23.08	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.06	22.06	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.89	22.89	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.13	23.13	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.98	22.98	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	22.98	22.98	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	23.14	23.14	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	23.12	23.12	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.08	22.08	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.12	22.12	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.5	22.5	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.15	22.15	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	22.19	22.19	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	22.16	22.16	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	22.2	22.2	33.00	PASS

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Band2	1.4MHz	16QAM	18607	6RB#0	21.3	21.3	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.19	22.19	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.39	22.39	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.95	21.95	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	21.98	21.98	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	22.04	22.04	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	21.9	21.9	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.31	21.31	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.39	22.39	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.47	22.47	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.36	22.36	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	22.01	22.01	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	22.06	22.06	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	22.04	22.04	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21	21	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.11	23.11	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.07	23.07	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.07	23.07	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	21.98	21.98	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	22.1	22.1	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	22.04	22.04	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.03	22.03	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.05	23.05	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.06	23.06	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.99	22.99	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	22.05	22.05	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	22.05	22.05	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	22.07	22.07	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.04	22.04	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.01	23.01	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.09	23.09	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.07	23.07	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#4	22.09	22.09	33.00	PASS

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Band2	3MHz	QPSK	19185	8RB#0	22.09	22.09	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	22.07	22.07	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.01	22.01	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.06	22.06	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.56	22.56	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.23	22.23	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	21.2	21.2	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	21.14	21.14	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	21.12	21.12	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.12	21.12	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.45	22.45	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.16	22.16	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.24	22.24	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	21.11	21.11	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	21.09	21.09	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	21.12	21.12	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.02	21.02	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.48	22.48	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.63	22.63	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.41	22.41	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	21.06	21.06	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	21.07	21.07	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#4	21.02	21.02	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.96	20.96	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.03	23.03	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.08	23.08	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.87	22.87	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	22.08	22.08	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	21.99	21.99	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	22.12	22.12	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.09	22.09	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.86	22.86	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.02	23.02	33.00	PASS

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Band2	5MHz	QPSK	18900	1RB#12	22.9	22.9	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.11	22.11	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	22.07	22.07	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	22.04	22.04	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	21.99	21.99	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.93	22.93	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.01	23.01	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.88	22.88	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	22.07	22.07	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	22.07	22.07	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	21.96	21.96	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.13	22.13	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.39	22.39	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.51	22.51	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.02	22.02	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	21.13	21.13	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#0	21.15	21.15	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	21.09	21.09	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.09	21.09	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.5	22.5	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.53	22.53	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.42	22.42	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	21.1	21.1	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.17	21.17	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	21.11	21.11	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.12	21.12	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.08	22.08	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.12	22.12	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.03	22.03	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	20.95	20.95	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	21.17	21.17	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	21.08	21.08	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.07	21.07	33.00	PASS

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Band2	10MHz	QPSK	18650	1RB#0	22.94	22.94	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.04	23.04	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.05	23.05	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#12	22.05	22.05	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#0	22.09	22.09	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	22.14	22.14	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.16	22.16	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.98	22.98	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.98	22.98	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.03	23.03	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	22.13	22.13	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	22.19	22.19	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	22.06	22.06	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.12	22.12	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.04	23.04	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.05	23.05	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.04	23.04	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	22.17	22.17	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	21.99	21.99	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#12	22.02	22.02	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.18	22.18	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	21.97	21.97	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.45	22.45	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	21.91	21.91	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	21.14	21.14	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	21.22	21.22	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	21.17	21.17	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.16	21.16	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.26	22.26	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.11	22.11	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.24	22.24	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#25	21.19	21.19	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#12	21.13	21.13	33.00	PASS

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Band2	10MHz	16QAM	18900	25RB#0	21.18	21.18	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.08	21.08	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.38	22.38	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.31	22.31	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.18	22.18	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	21.1	21.1	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	21.09	21.09	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	21.13	21.13	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.18	21.18	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.06	23.06	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.04	23.04	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.87	22.87	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	22.1	22.1	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	22.07	22.07	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	22.07	22.07	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.07	22.07	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.97	22.97	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.09	23.09	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.87	22.87	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	22.1	22.1	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#39	22.11	22.11	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	22.13	22.13	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.13	22.13	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.03	23.03	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.07	23.07	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	22.97	22.97	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	22.09	22.09	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	22.1	22.1	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	22.03	22.03	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.03	22.03	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.37	22.37	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.62	22.62	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.13	22.13	33.00	PASS

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Band2	15MHz	16QAM	18675	36RB#0	21.06	21.06	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	21.14	21.14	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	21.05	21.05	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.14	21.14	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.43	22.43	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.57	22.57	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.13	22.13	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	21.09	21.09	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	21.06	21.06	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	21	21	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.22	21.22	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.42	22.42	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.14	22.14	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.34	22.34	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	21.1	21.1	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	21.14	21.14	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	20.97	20.97	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.08	21.08	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.87	22.87	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	22.92	22.92	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.67	22.67	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	21.98	21.98	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#0	22.02	22.02	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	22.04	22.04	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.95	21.95	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.35	22.35	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.62	22.62	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	22.26	22.26	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	21.68	21.68	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	21.67	21.67	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#50	21.59	21.59	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.65	21.65	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.91	22.91	33.00	PASS

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Band2	20MHz	QPSK	19100	1RB#49	22.91	22.91	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.77	22.77	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	22.12	22.12	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.11	22.11	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	21.89	21.89	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.03	22.03	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.86	21.86	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.34	22.34	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.89	21.89	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	20.93	20.93	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	21.11	21.11	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	20.96	20.96	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	20.99	20.99	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.91	21.91	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	21.73	21.73	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	21.85	21.85	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	20.71	20.71	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	20.7	20.7	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	20.66	20.66	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	20.64	20.64	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.03	22.03	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.59	22.59	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.07	22.07	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	21.11	21.11	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	21.12	21.12	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	21.02	21.02	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.06	21.06	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	5.25	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.48	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.30	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.09	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.23	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.09	13	PASS

2.2. Test Plots

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

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

Date: 13.JUN.2020 10:58:16

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

Date: 13.JUN.2020 10:58:39

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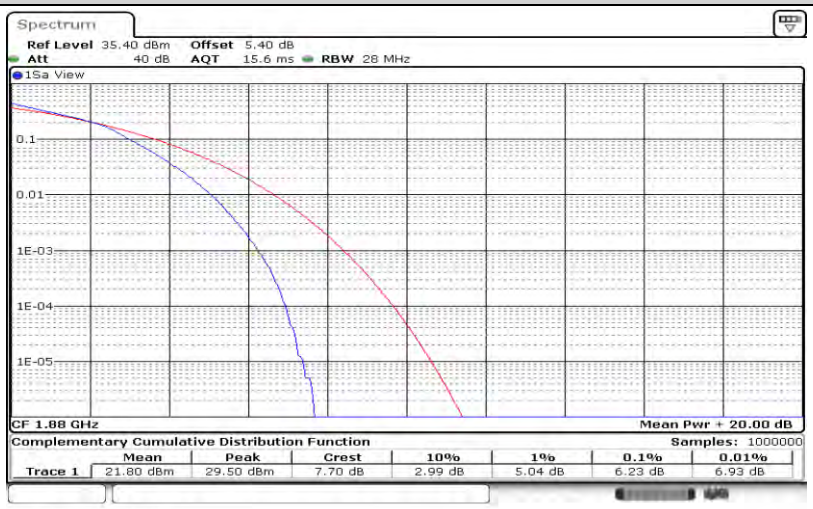
Band2-20MHz-16QAM-18700-100RB#0

Date: 13.JUN.2020 10:58:05

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



Date: 13.JUN.2020 10:58:27

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

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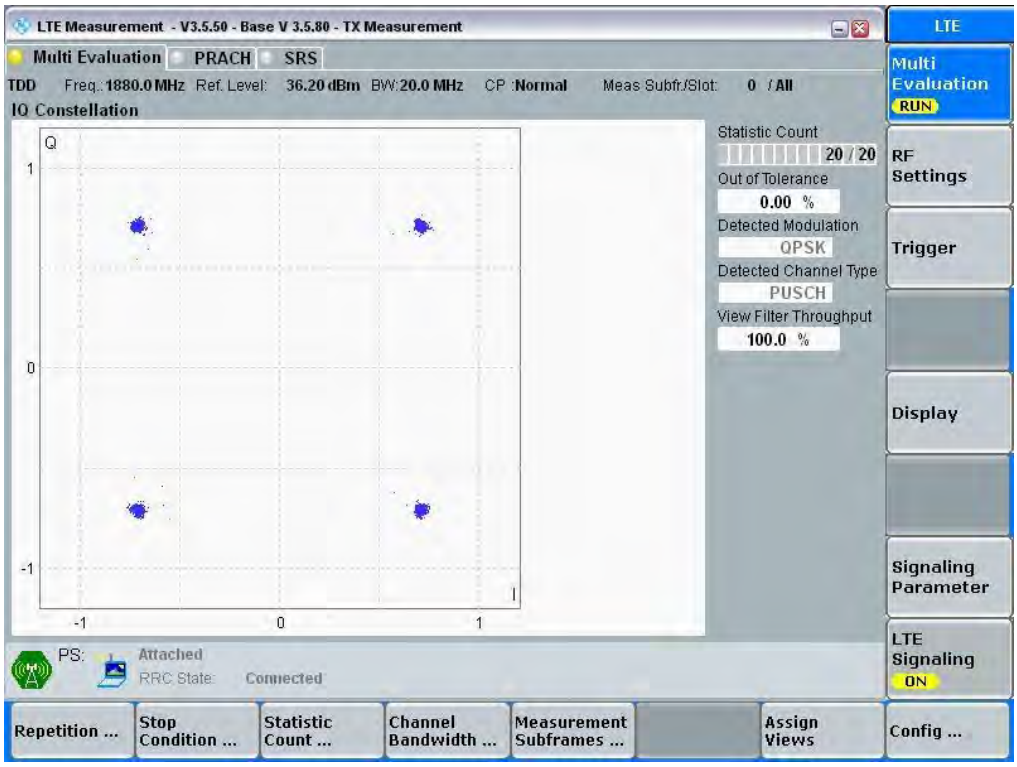
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1.Test Channel = MCH



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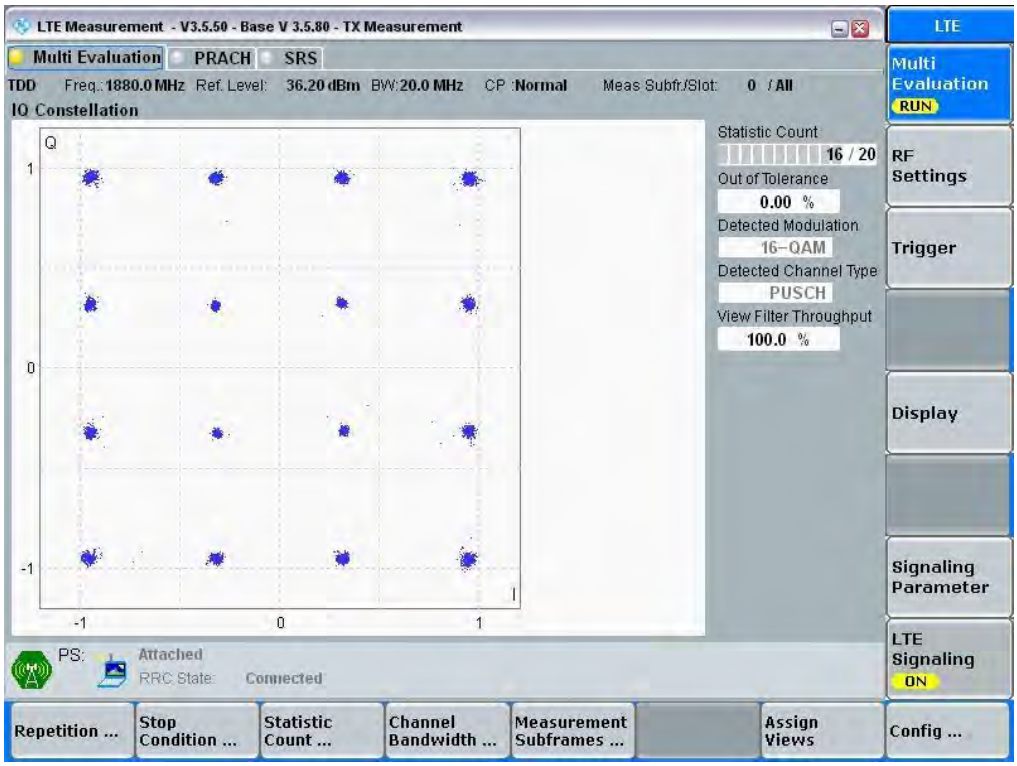
3.2. Test Mode = LTE /TM2 20MHz

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	1.088	1.284	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.091	1.305	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.091	1.284	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.091	1.290	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.088	1.287	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.091	1.284	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.685	2.910	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.685	2.898	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.685	2.880	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.679	2.904	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.673	2.898	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.679	2.982	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.466	4.820	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.466	4.820	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.476	4.830	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.486	4.760	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.486	4.750	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.476	4.750	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.991	9.480	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.971	9.500	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.971	9.380	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.931	9.640	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.931	9.620	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.911	9.620	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.457	15.840	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.457	14.700	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.487	14.640	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.457	15.150	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.576	14.520	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.546	14.370	PASS
Band2	20MHz	QPSK	18700	100RB#0	18.022	19.120	PASS

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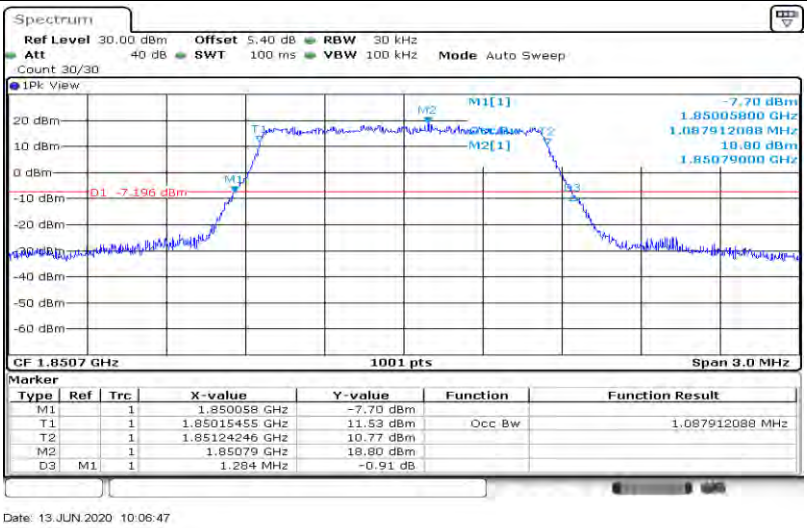
Band2	20MHz	QPSK	18900	100RB#0	18.062	19.080	PASS
Band2	20MHz	QPSK	19100	100RB#0	18.062	19.040	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.862	20.600	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.942	19.280	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.902	19.280	PASS

4.2. Test Plots

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



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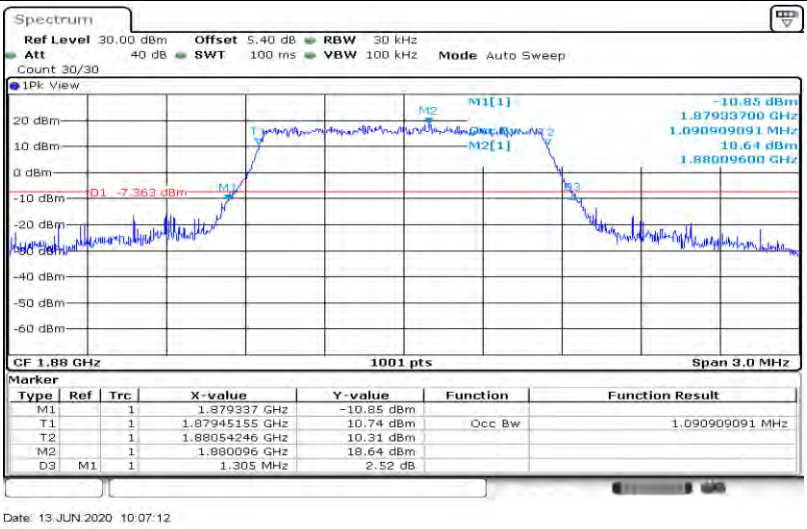

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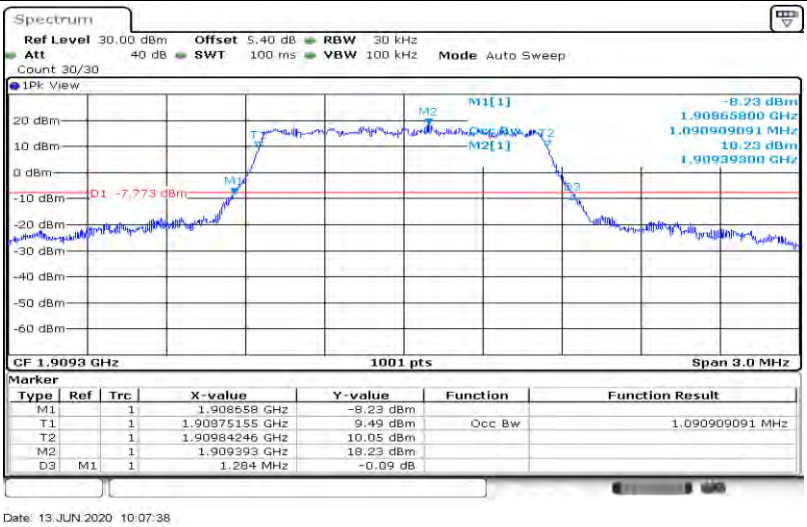
Band2-1.4MHz-QPSK-19193-6RB#0-1.091



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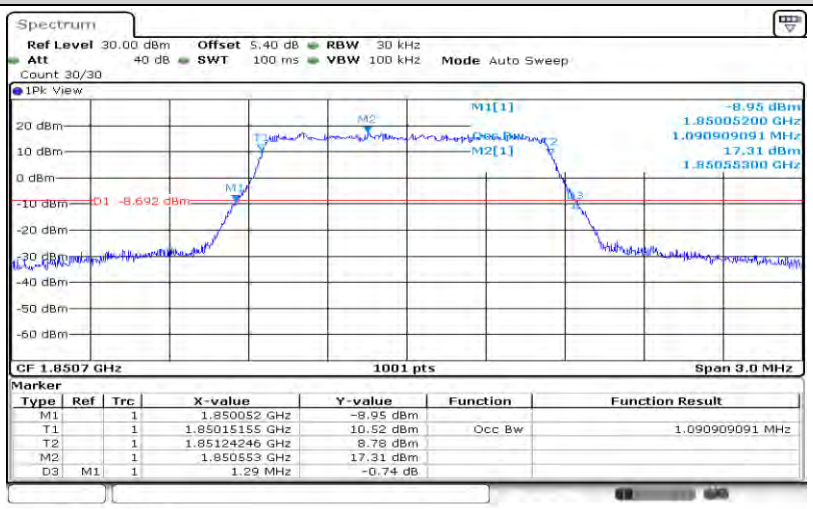
Band2-1.4MHz-16QAM-18607-6RB#0-1.091



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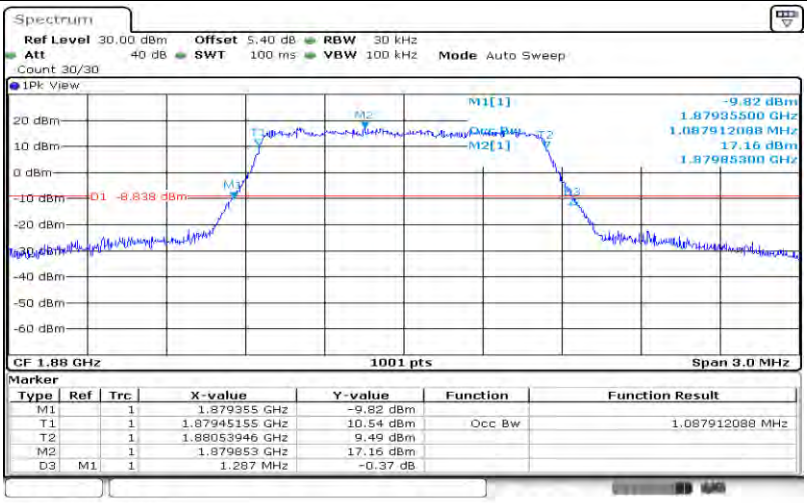
Band2-1.4MHz-16QAM-18900-6RB#0-1.088



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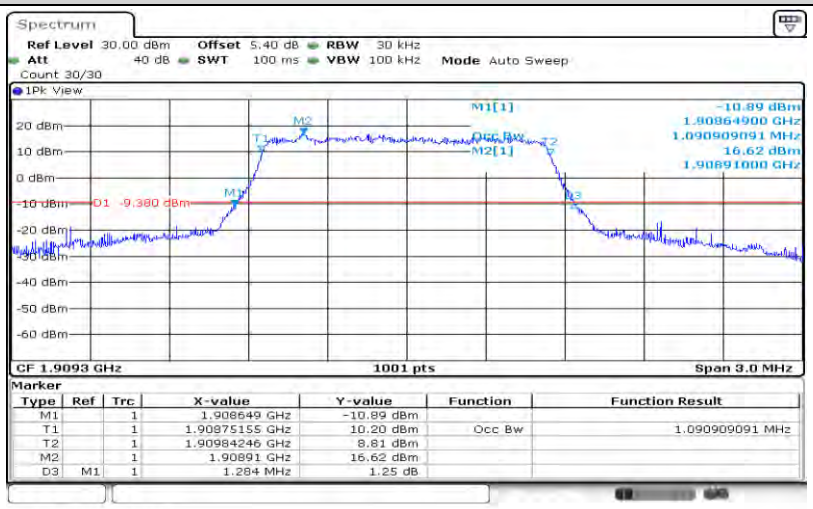
Band2-1.4MHz-16QAM-19193-6RB#0-1.091



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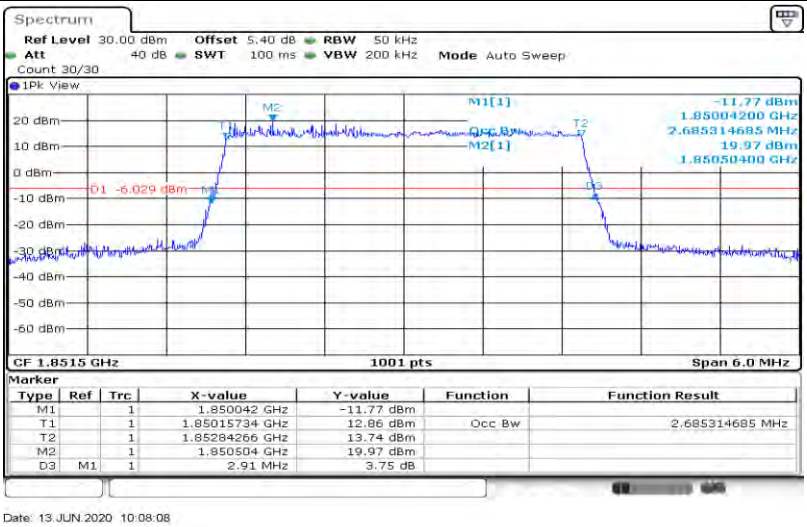
Band2-3MHz-QPSK-18615-15RB#0-2.685



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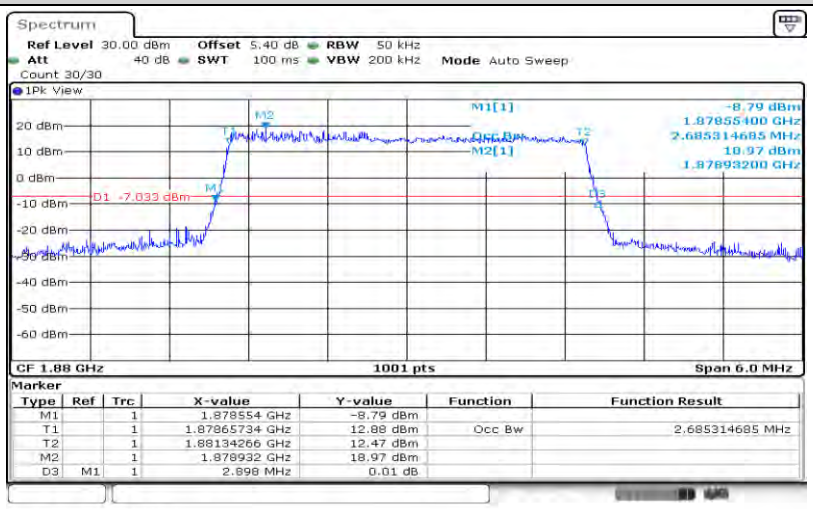
Band2-3MHz-QPSK-18900-15RB#0-2.685



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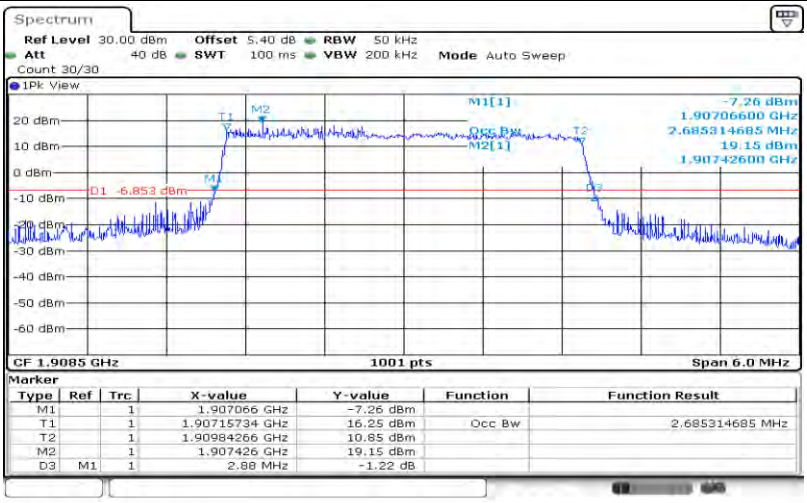
Band2-3MHz-QPSK-19185-15RB#0-2.685



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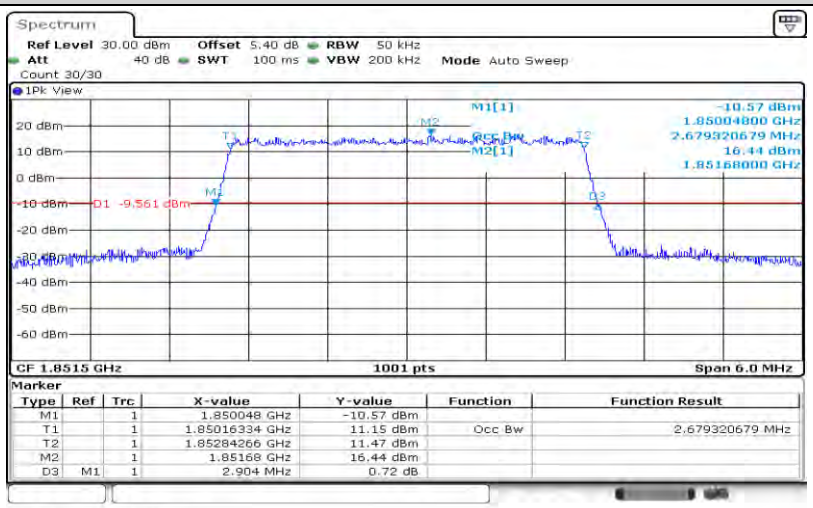
Band2-3MHz-16QAM-18615-15RB#0-2.679



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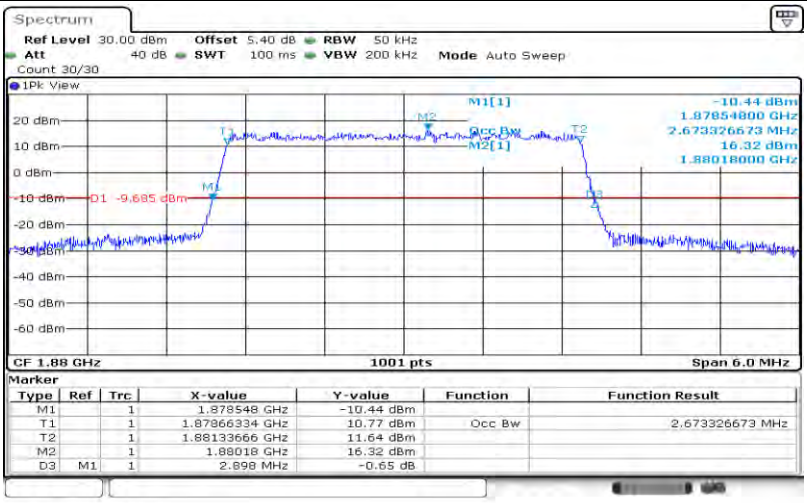
Band2-3MHz-16QAM-18900-15RB#0-2.673



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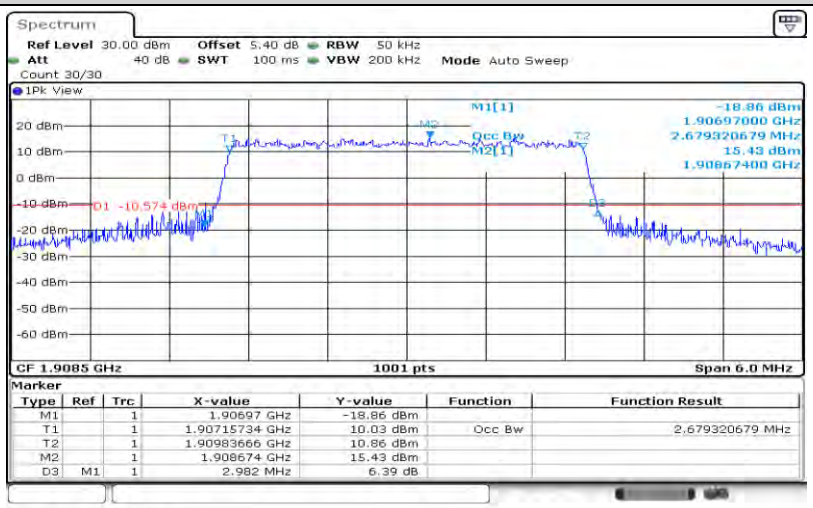

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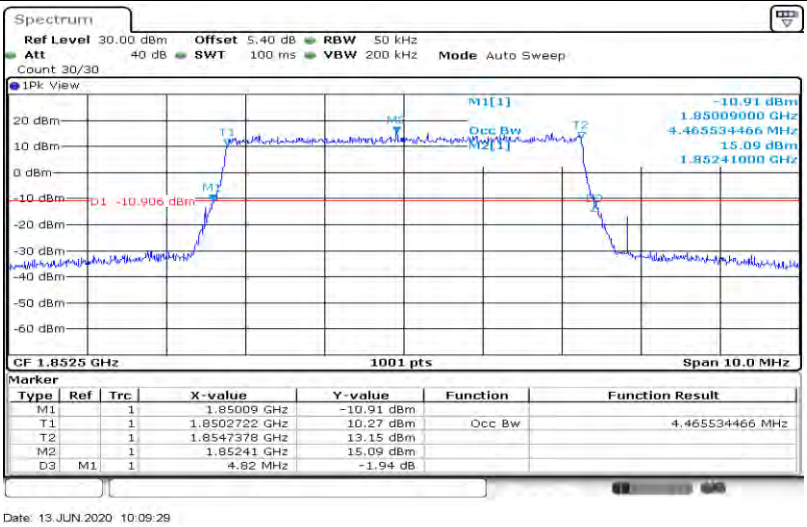
Band2-5MHz-QPSK-18625-25RB#0-4.466



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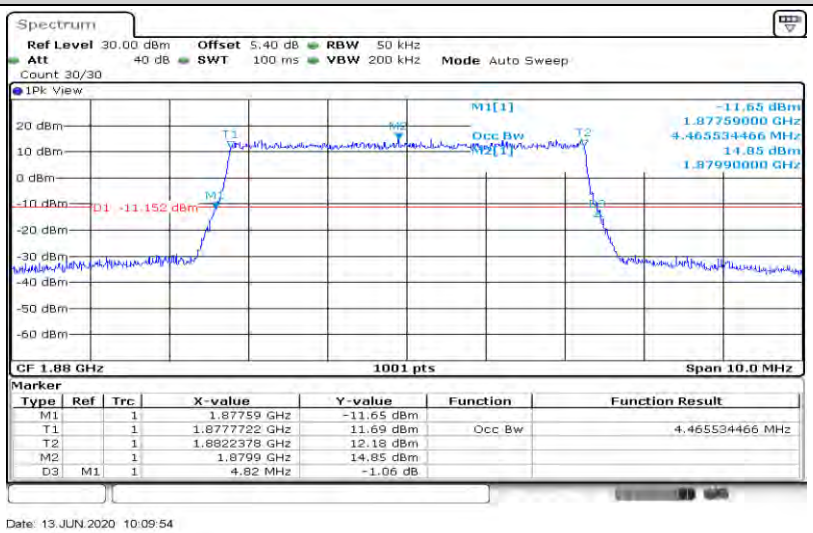

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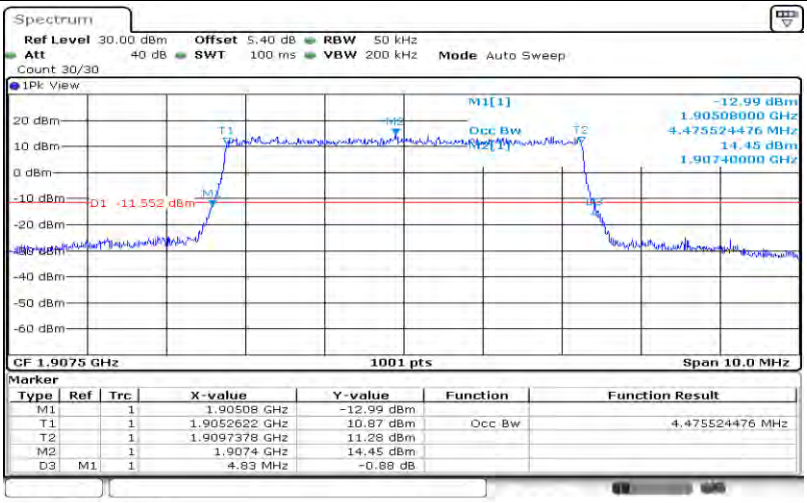
Band2-5MHz-QPSK-19175-25RB#0-4.476



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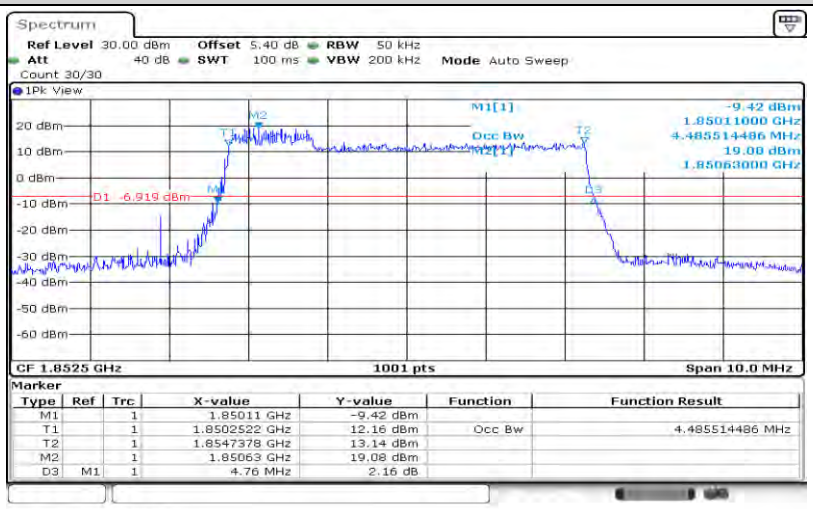
Band2-5MHz-16QAM-18625-25RB#0-4.486



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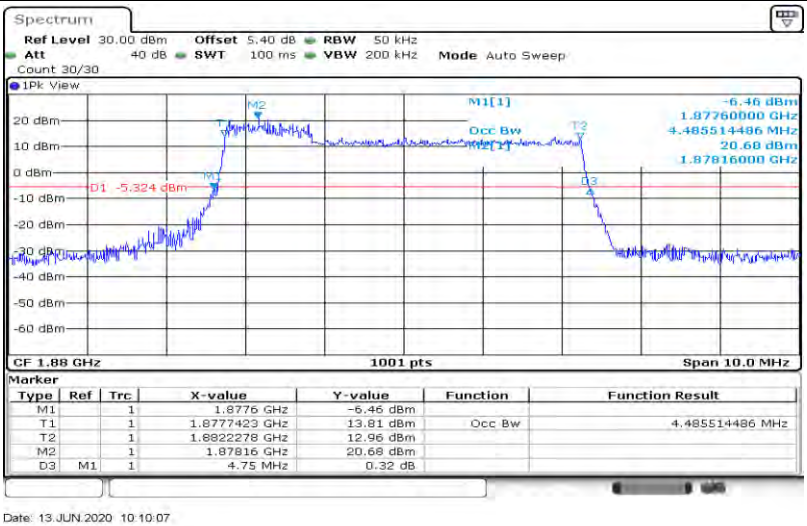
Band2-5MHz-16QAM-18900-25RB#0-4.486



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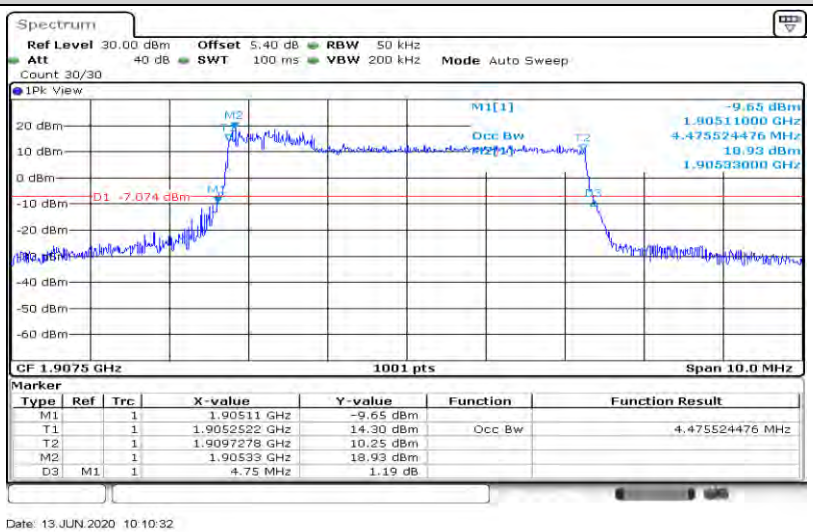
Band2-5MHz-16QAM-19175-25RB#0-4.476



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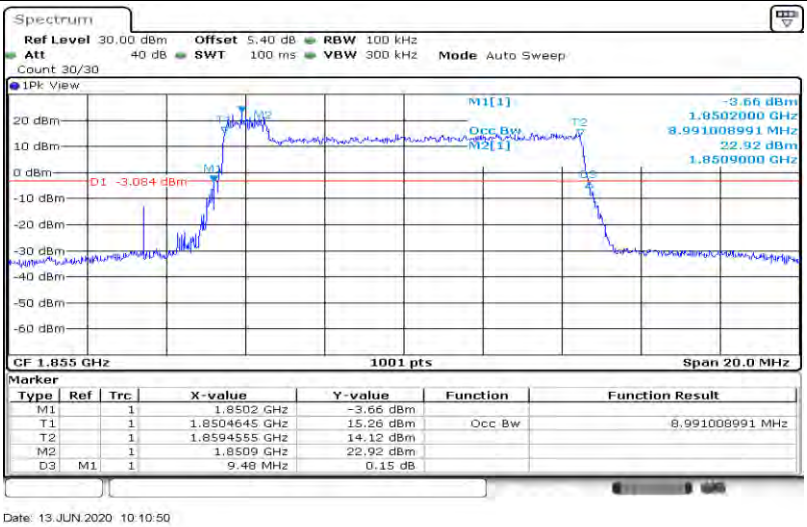
Band2-10MHz-QPSK-18650-50RB#0-8.991



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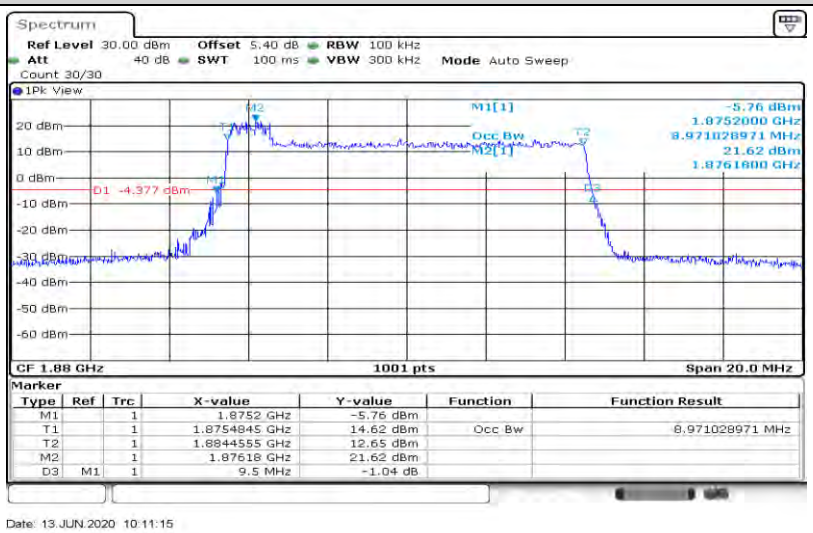
Band2-10MHz-QPSK-18900-50RB#0-8.971



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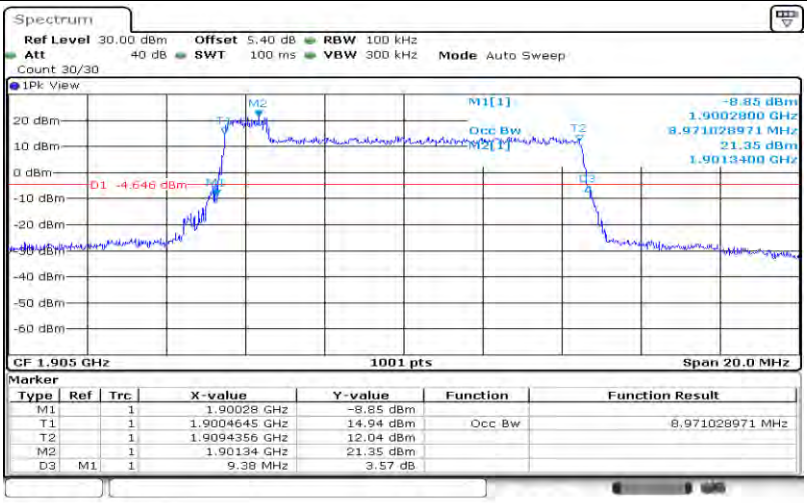
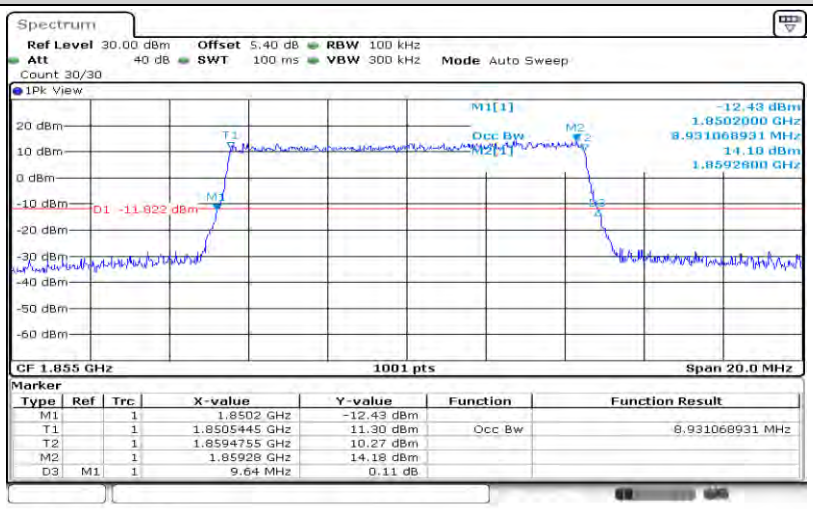
Band2-10MHz-QPSK-19150-50RB#0-8.971



Date: 13.JUN.2020 10:11:41

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



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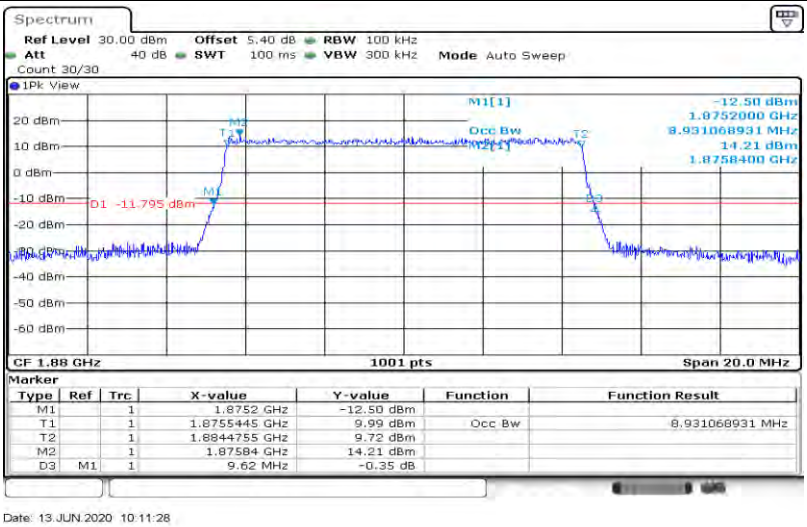
Band2-10MHz-16QAM-18900-50RB#0-8.931



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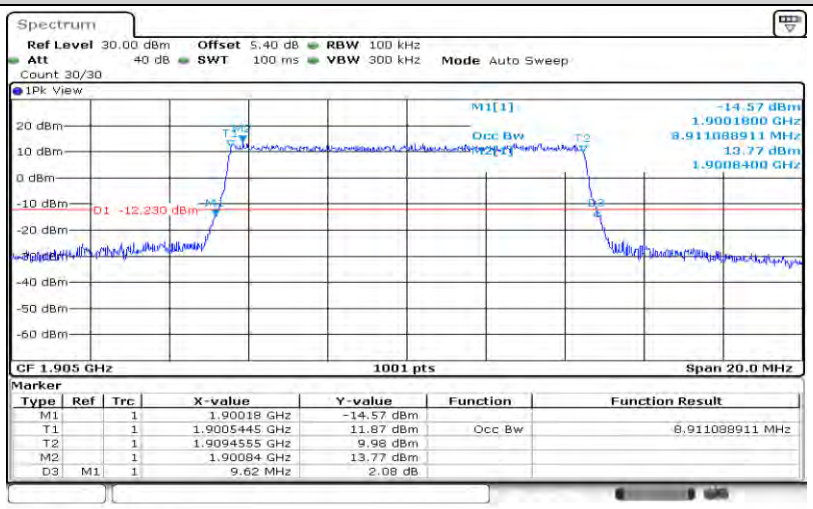
Band2-10MHz-16QAM-19150-50RB#0-8.911



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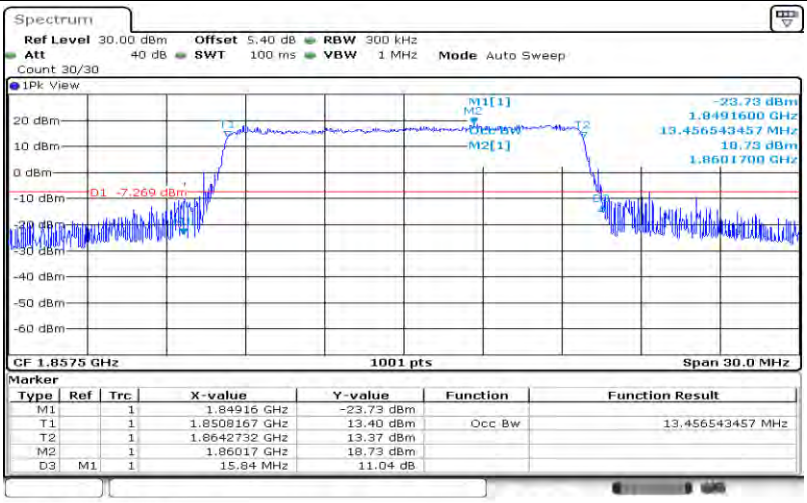
Band2-15MHz-QPSK-18675-75RB#0-13.457



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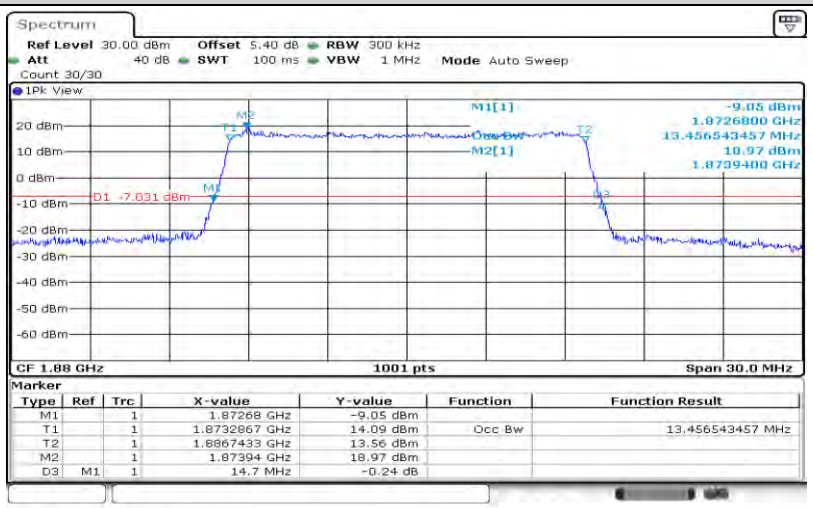
Band2-15MHz-QPSK-18900-75RB#0-13.457



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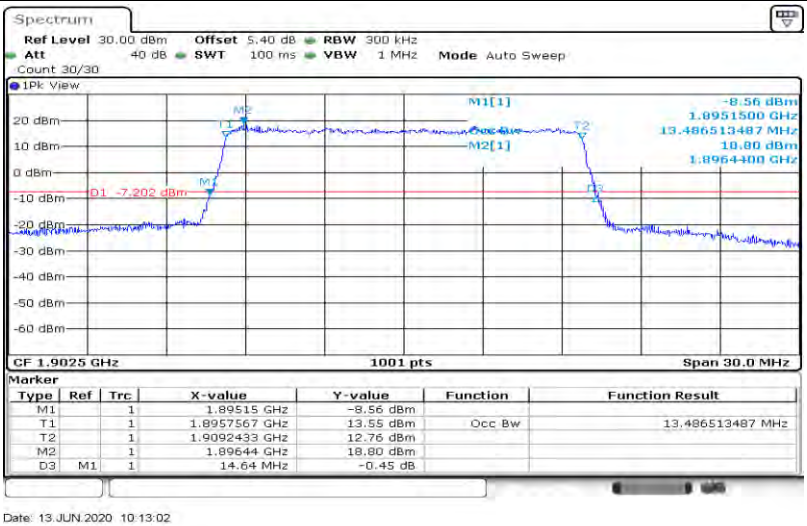
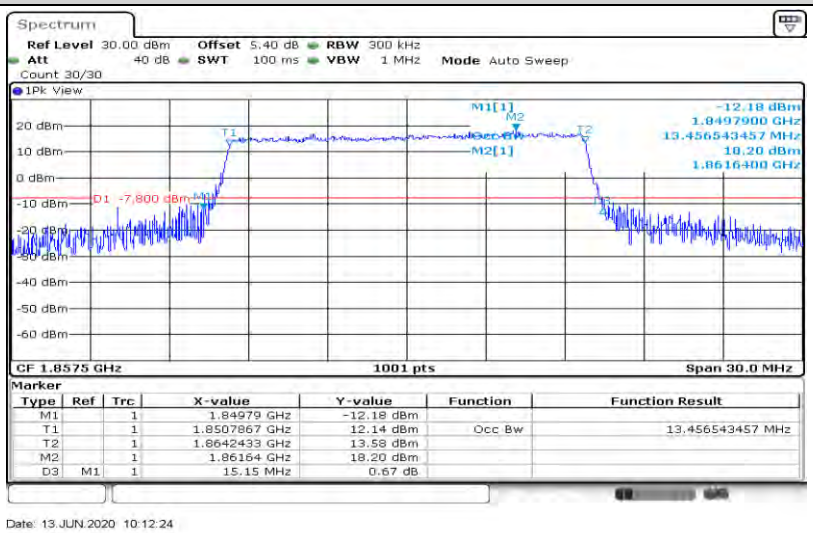
Band2-15MHz-QPSK-19125-75RB#0-13.487



Band2-15MHz-16QAM-18675-75RB#0-13.457



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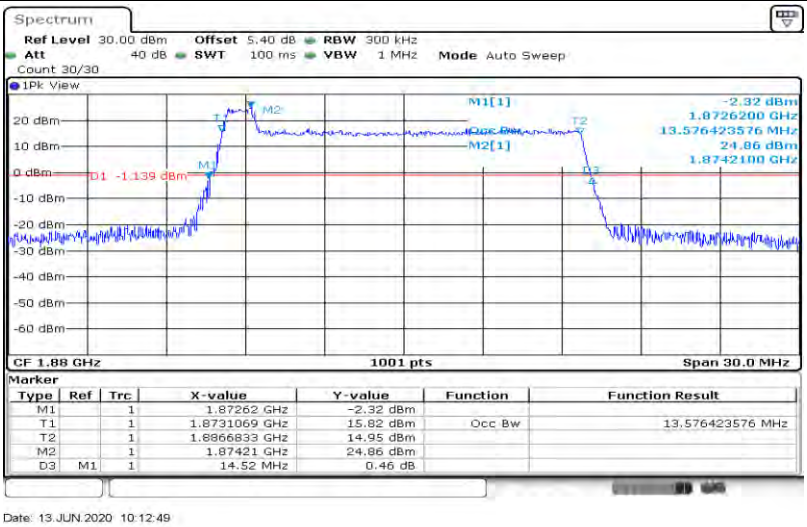
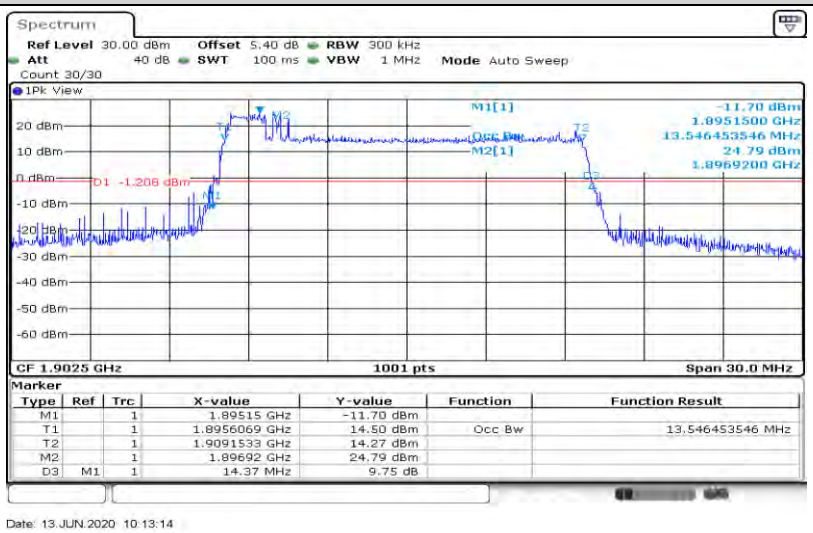
Band2-15MHz-16QAM-18900-75RB#0-13.576



Date: 13.JUN.2020 10:12:49

Band2-15MHz-16QAM-19125-75RB#0-13.546



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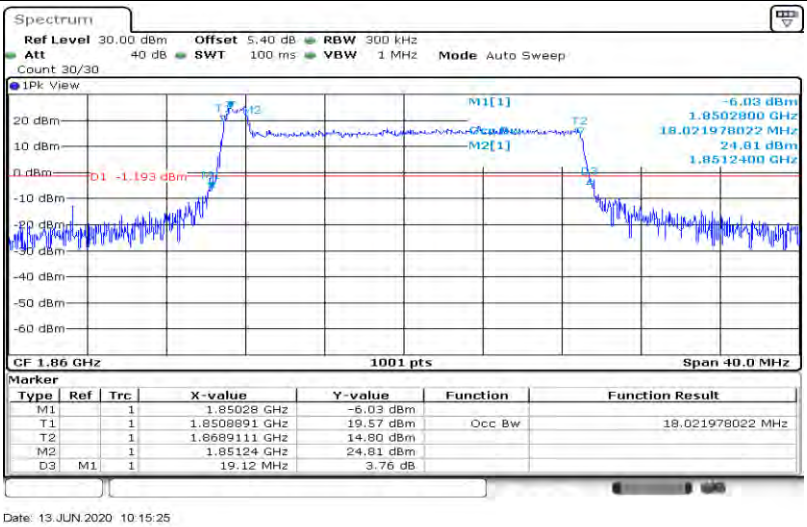
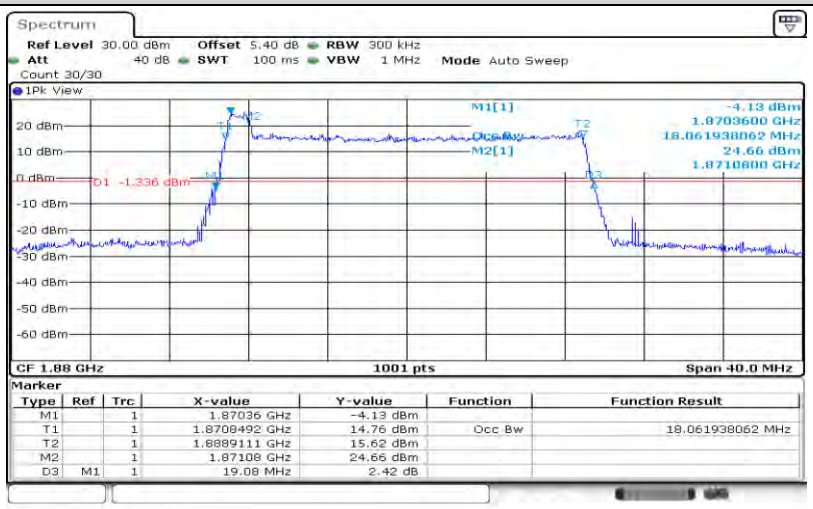
Band2-20MHz-QPSK-18700-100RB#0-18.022



Date: 13.JUN.2020 10:15:25

Band2-20MHz-QPSK-18900-100RB#0-18.062



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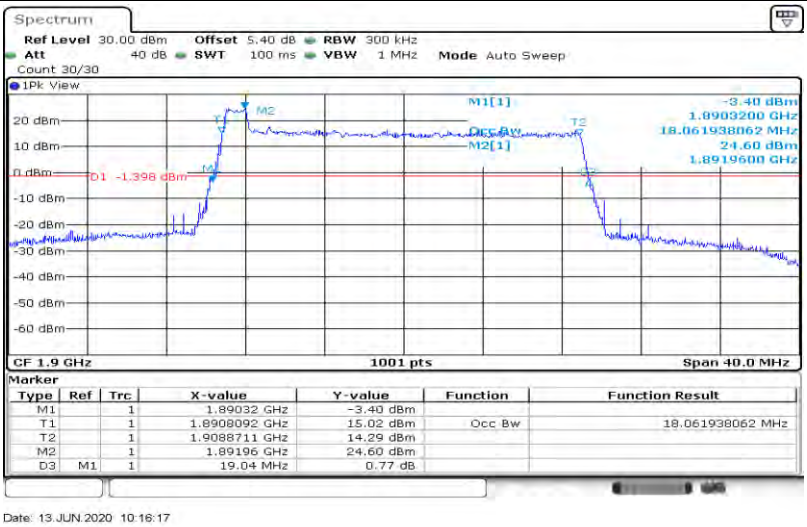
Band2-20MHz-QPSK-19100-100RB#0-18.062



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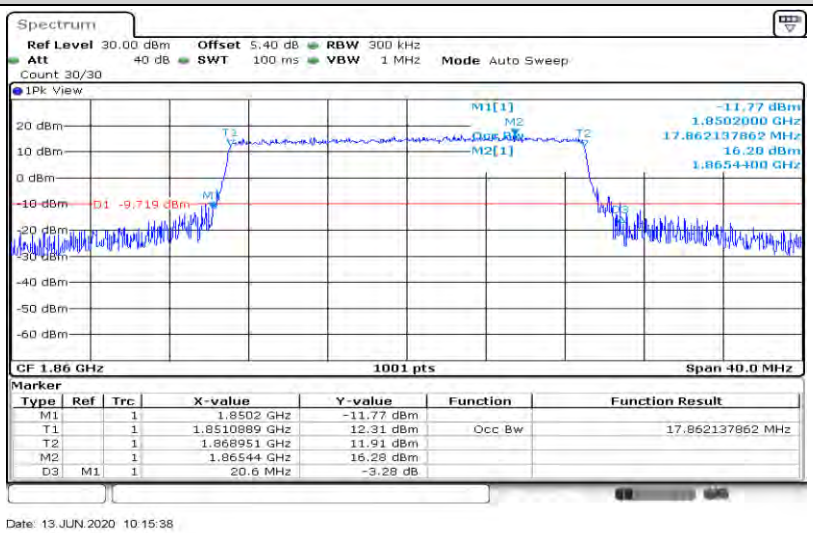
Band2-20MHz-16QAM-18700-100RB#0-17.862



Date: 13.JUN.2020 10:15:38

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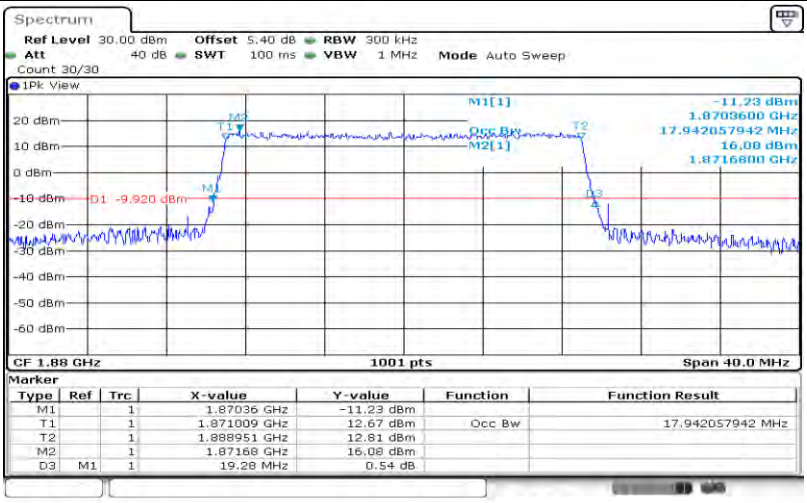
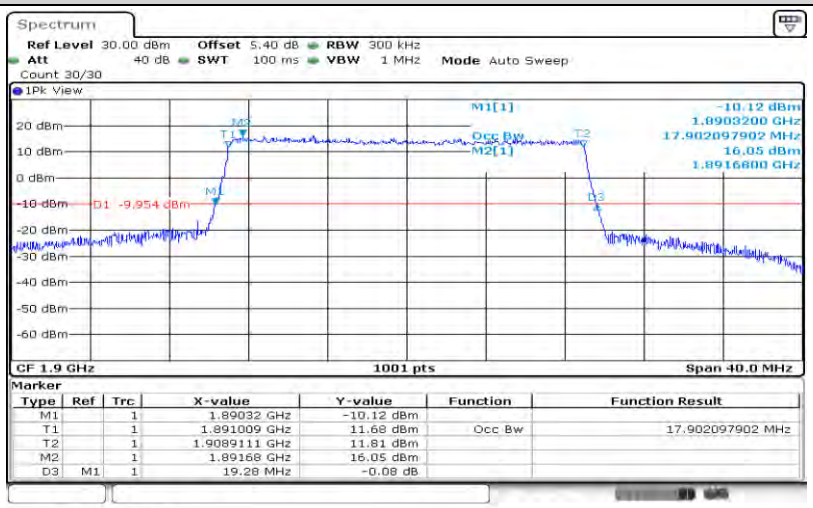
Band2-20MHz-16QAM-18900-100RB#0-17.942



Date: 13.JUN.2020 10:16:03

Band2-20MHz-16QAM-19100-100RB#0-17.902



Date: 13.JUN.2020 10:16:30

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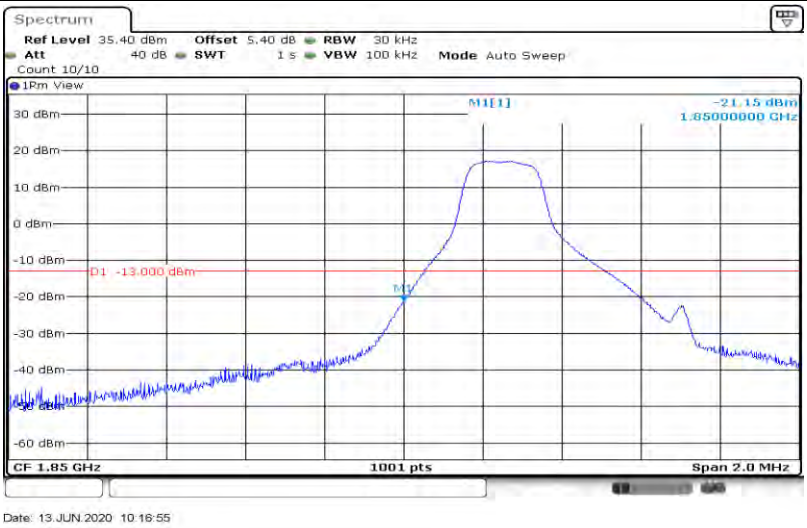
5. Band Edge Compliance

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: 13.JUN.2020 10:18:21

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

Date: 13.JUN.2020 10:20:28

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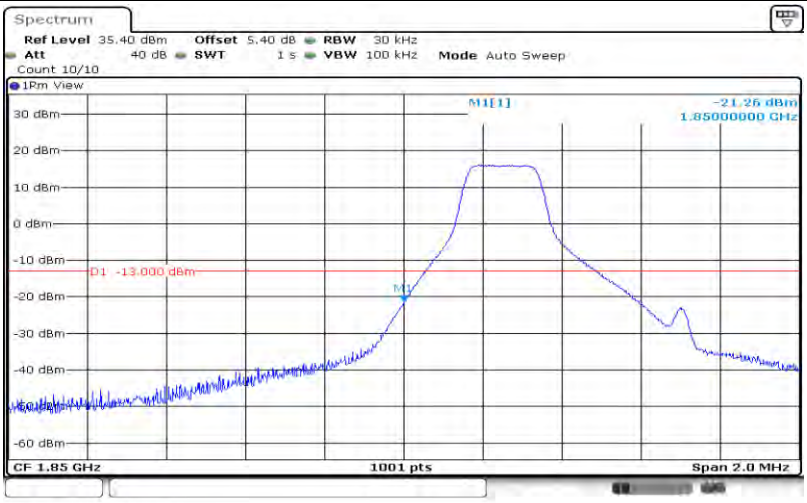
Band2-1.4MHz-16QAM-18607-1RB#0



Date: 13.JUN.2020 10:17:15

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

Date: 13.JUN.2020 10:20:07

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

Date: 13.JUN.2020 10:18:41

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

Date: 13.JUN.2020 10:20:49

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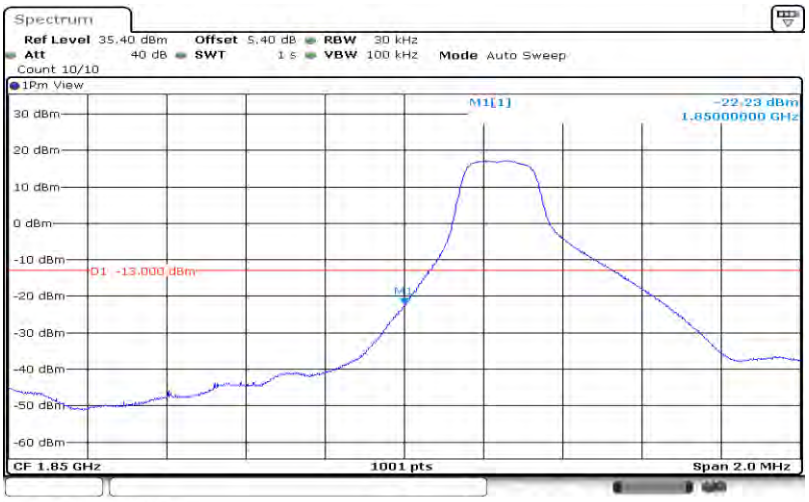
Band2-3MHz-QPSK-18615-1RB#0



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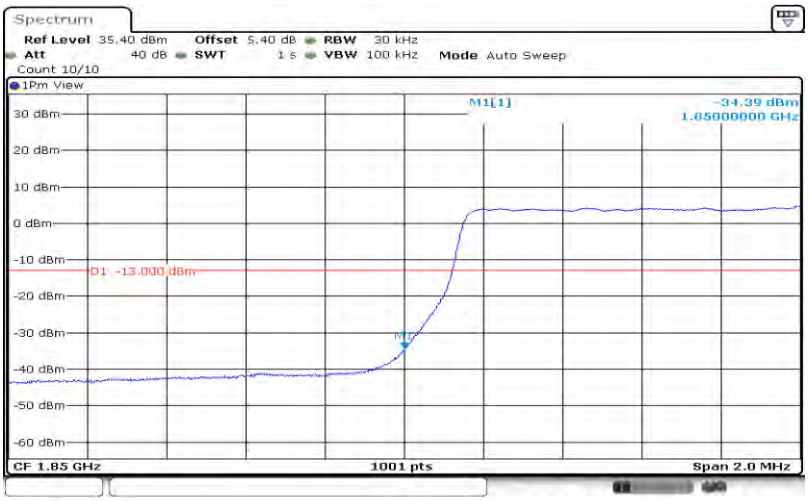
Band2-3MHz-QPSK-18615-15RB#0



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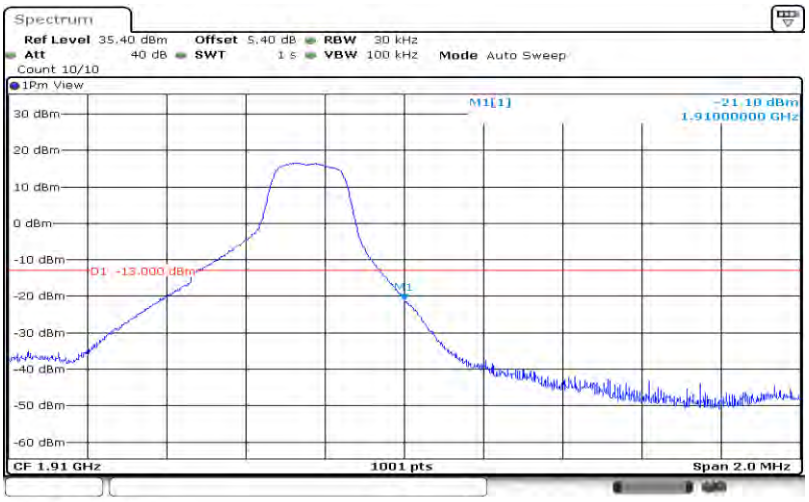
Band2-3MHz-QPSK-19185-1RB#14



Date: 13.JUN.2020 10:22:40

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

Date: 13.JUN.2020 10:24:47

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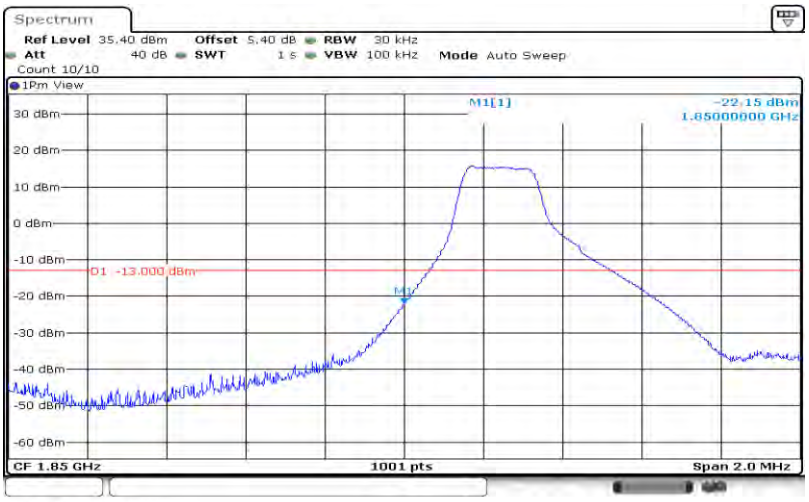
Band2-3MHz-16QAM-18615-1RB#0



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

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

Date: 13.JUN.2020 10:23:01

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

Date: 13.JUN.2020 10:25:07

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

Date: 13.JUN.2020 10:25:33

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

Date: 13.JUN.2020 10:28:24

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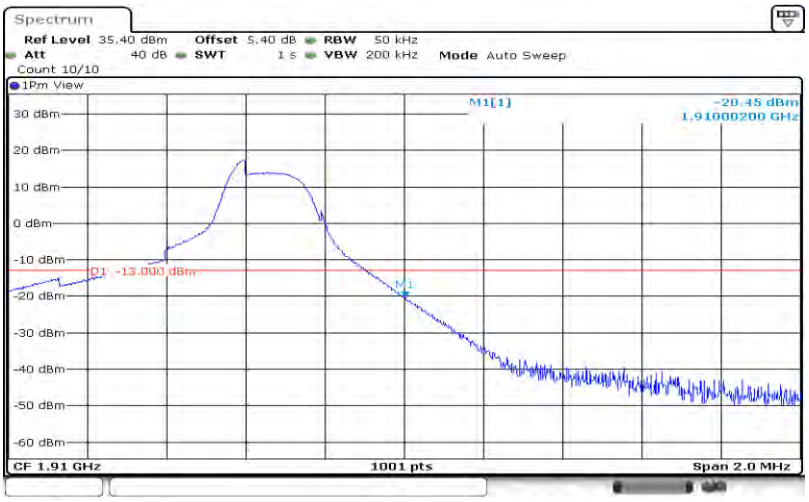
Band2-5MHz-QPSK-19175-1RB#24



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

Date: 13.JUN.2020 10:29:05

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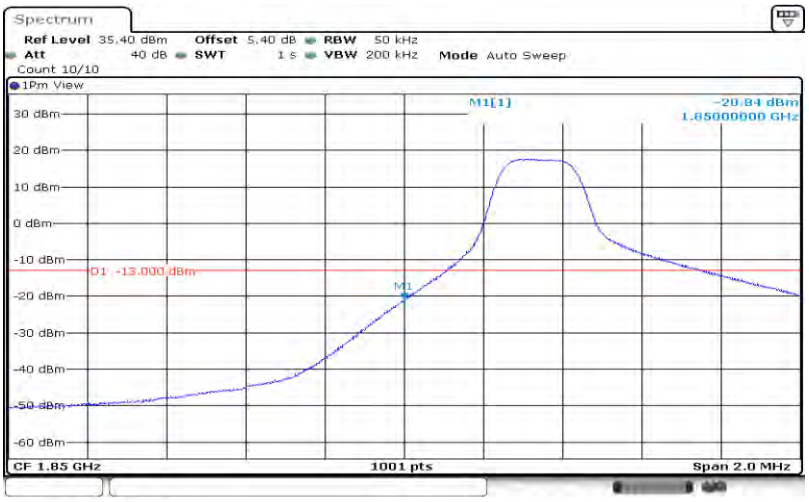
Band2-5MHz-16QAM-18625-1RB#0



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

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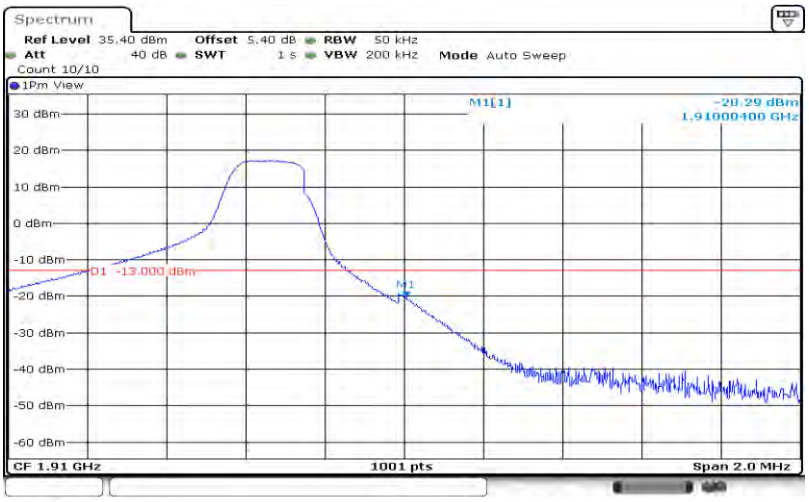
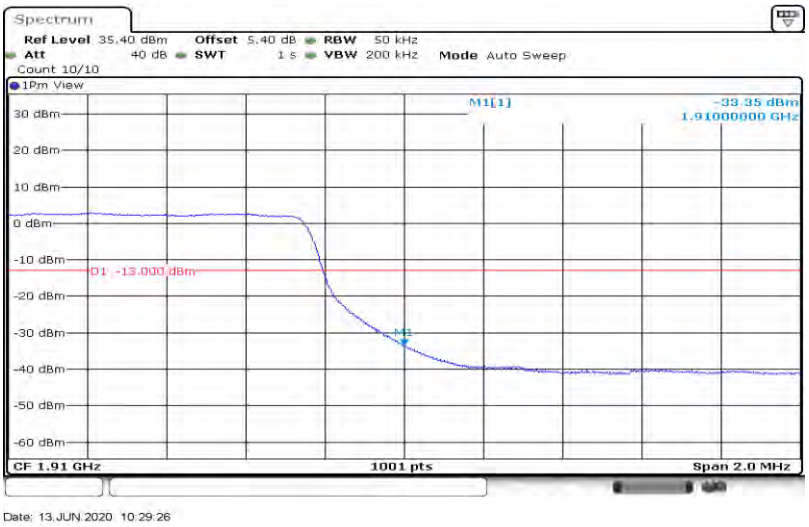
Band2-5MHz-16QAM-19175-1RB#24



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



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

Date: 13.JUN.2020 10:29:51

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

Date: 13.JUN.2020 10:44:00

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

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

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

Date: 13.JUN.2020 10:30:11

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

Date: 13.JUN.2020 10:44:20

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

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

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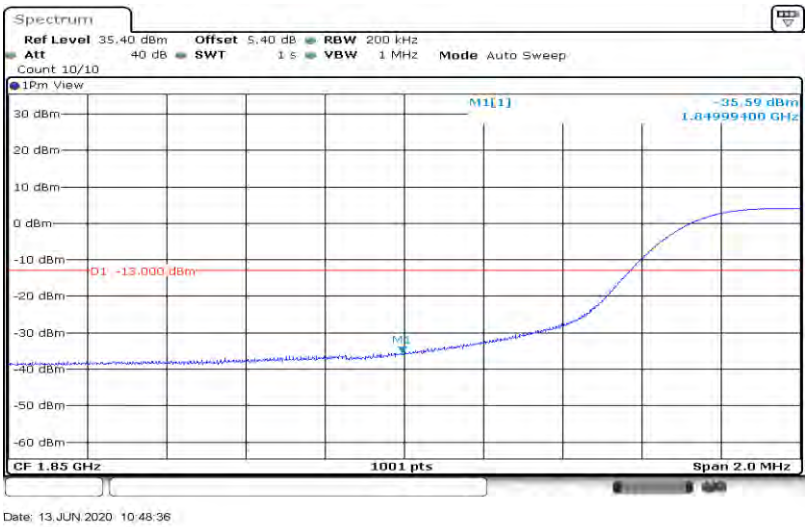
Band2-15MHz-QPSK-18675-1RB#0

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



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Band2-15MHz-QPSK-19125-1RB#74
Band2-15MHz-QPSK-19125-75RB#0

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

Date: 13.JUN.2020 10:46:00

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

Date: 13.JUN.2020 10:48:56

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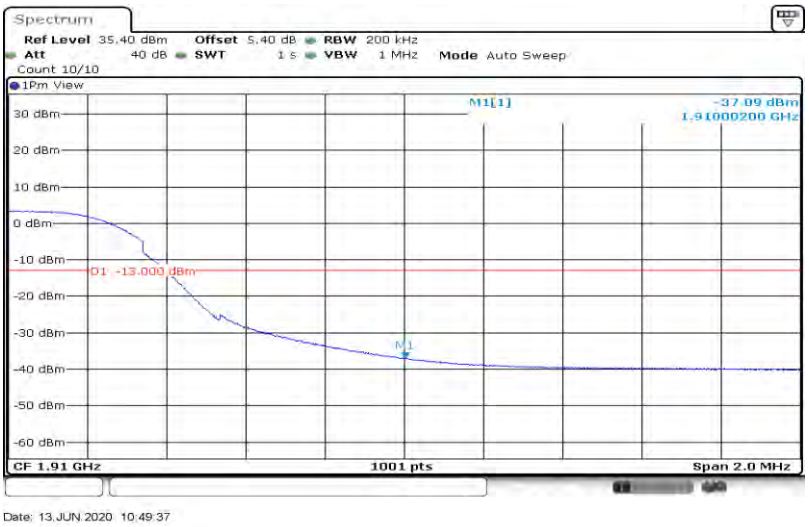
Band2-15MHz-16QAM-19125-1RB#74

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



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

Date: 13.JUN.2020 10:50:06

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

Date: 13.JUN.2020 10:53:02

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

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

Date: 13.JUN.2020 10:53:43

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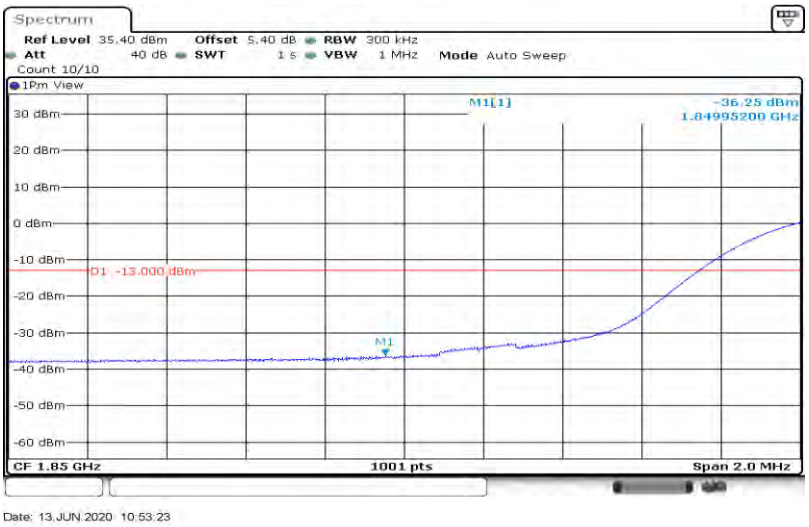
Band2-20MHz-16QAM-18700-1RB#0

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



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Date: 13.JUN.2020 10:54:04

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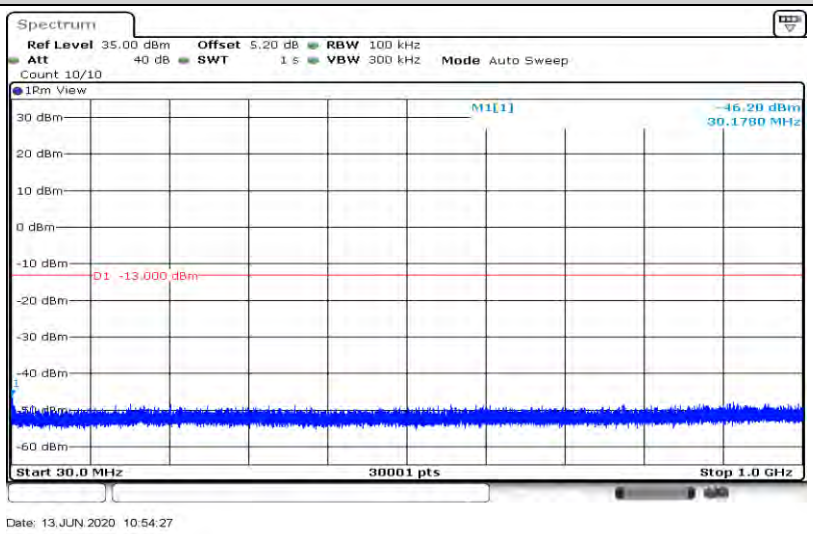
6. Spurious Emission at Antenna Terminal

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.

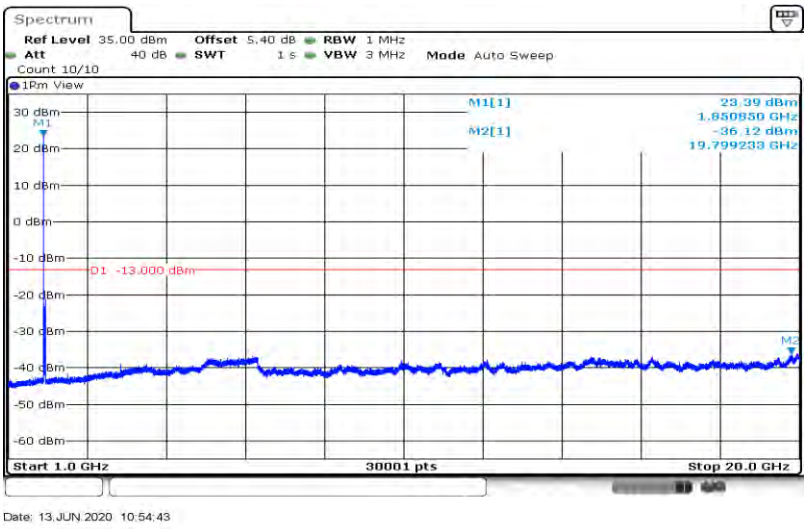
Remark2: only the worst case data displayed in this report.

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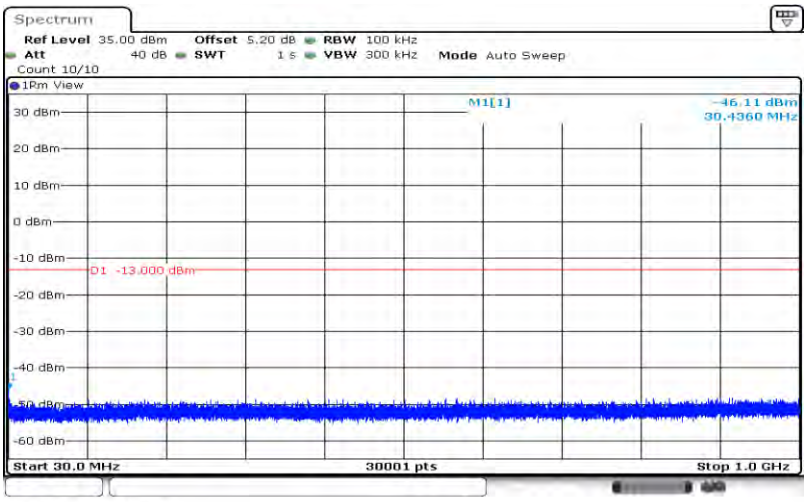
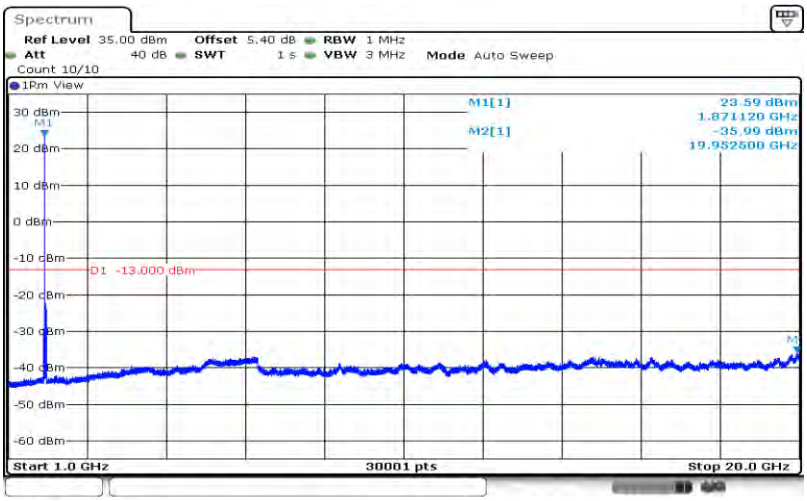
Band2-20MHz-QPSK-18900-1RB#0-Range1:30~1000MHz



Date: 13.JUN.2020 10:55:37

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



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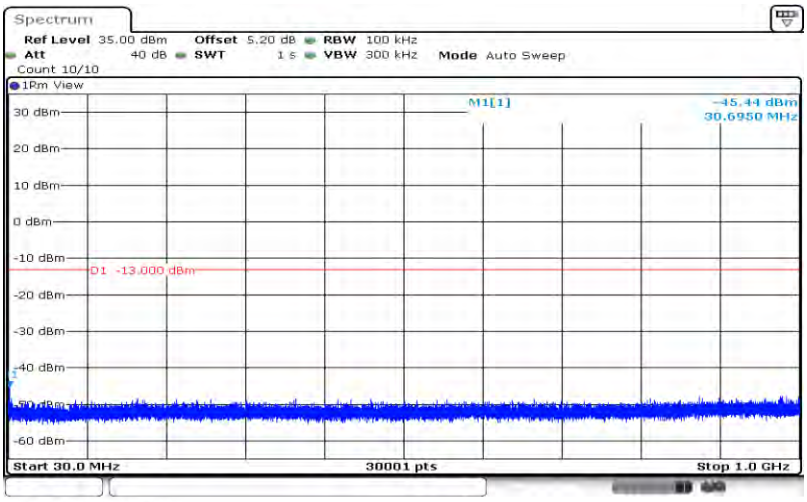
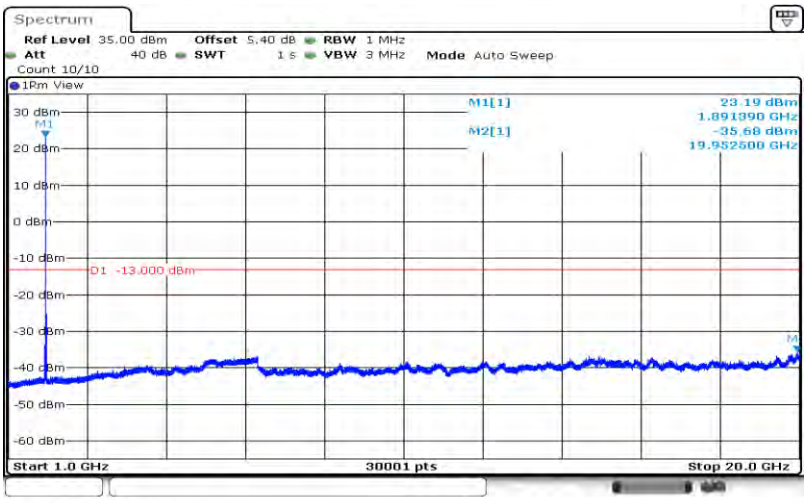
Band2-20MHz-QPSK-19100-1RB#0-Range1:30~1000MHz



Date: 13.JUN.2020 10:56:47

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



Date: 13.JUN.2020 10:57:04

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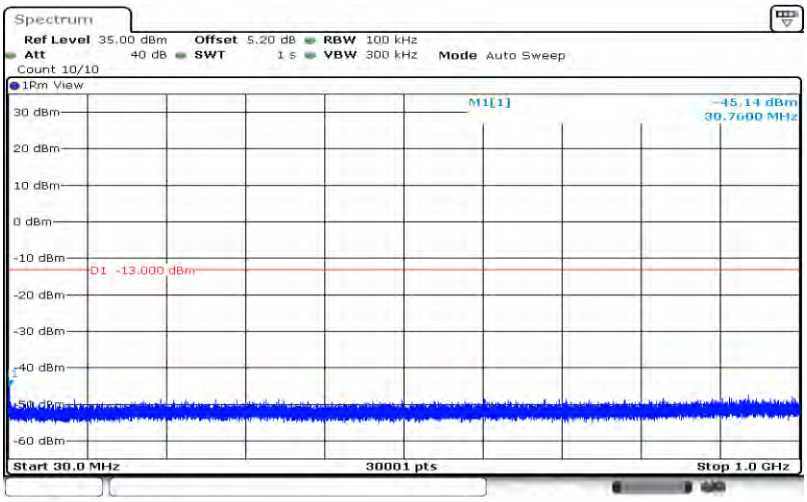
Band2-20MHz-16QAM-18700-1RB#0-Range1:30~1000MHz



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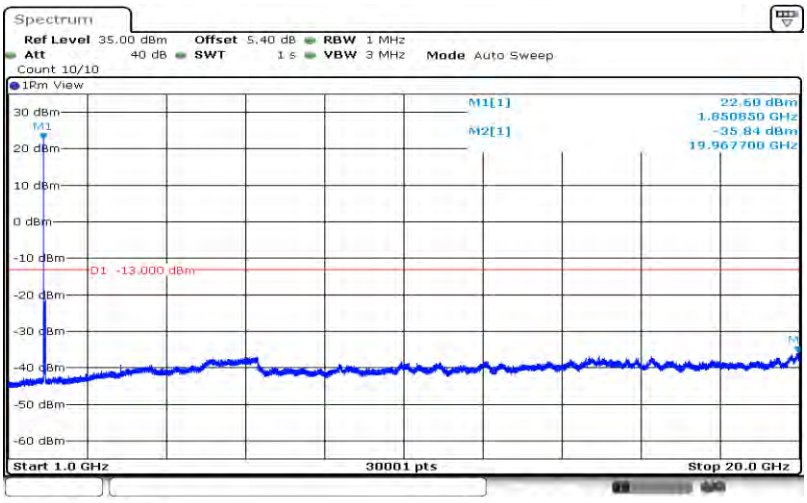
Band2-20MHz-16QAM-18700-1RB#0-Range2:1000~20000MHz



Date: 13.JUN.2020 10:55:18

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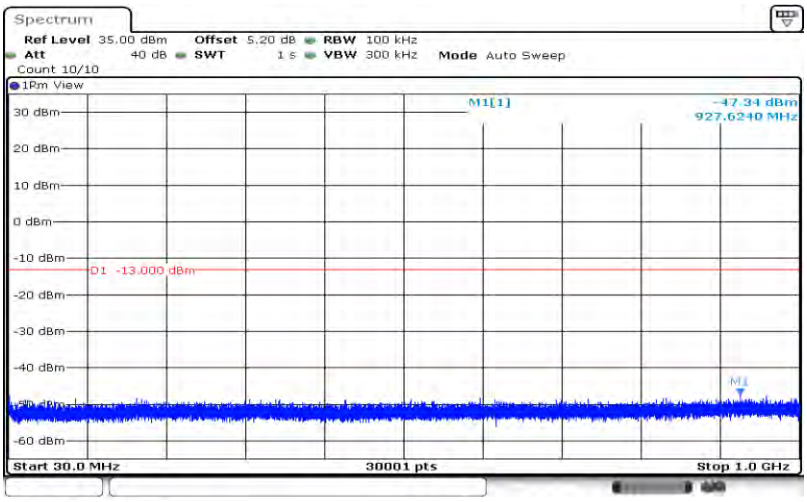
Band2-20MHz-16QAM-18900-1RB#0-Range1:30~1000MHz



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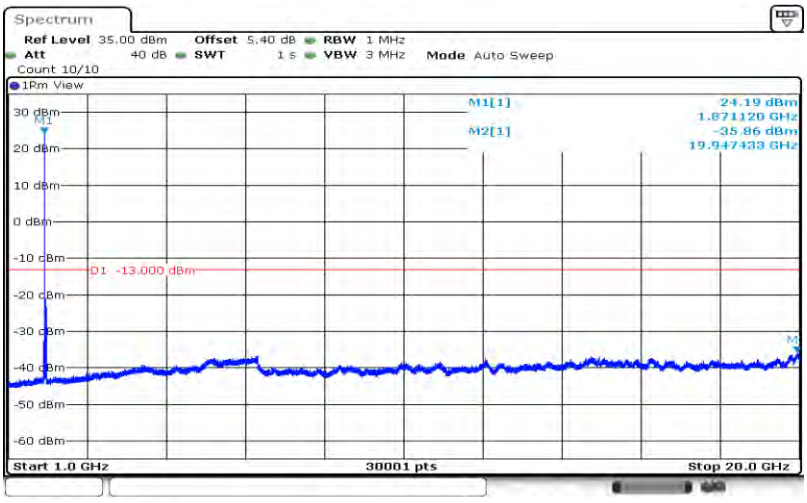
Band2-20MHz-16QAM-18900-1RB#0-Range2:1000~20000MHz



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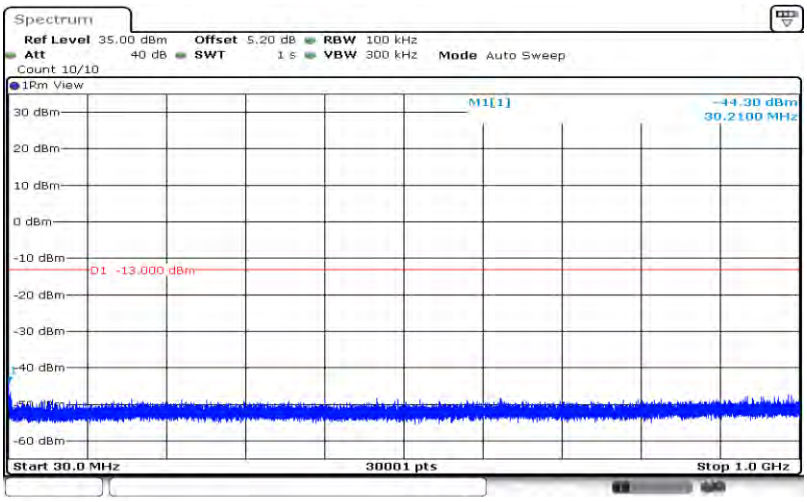
Band2-20MHz-16QAM-19100-1RB#0-Range1:30~1000MHz



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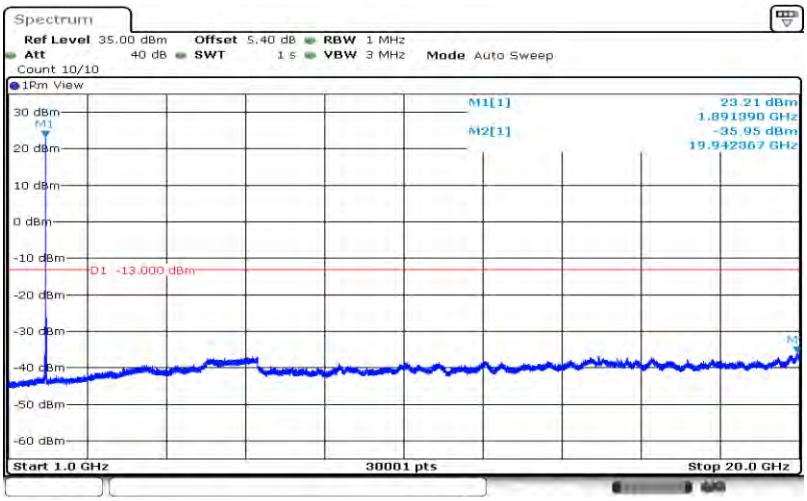
Band2-20MHz-16QAM-19100-1RB#0-Range2:1000~20000MHz



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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
49.5950	-72.88	-13.00	59.88	Vertical
111.3386	-65.12	-13.00	52.12	Vertical
562.5566	-66.11	-13.00	53.11	Vertical
2700.3401	-37.63	-13.00	24.63	Vertical
3702.0234	-55.62	-13.00	42.62	Vertical
17999.0000	-39.37	-13.00	26.37	Vertical
43.9202	-64.50	-13.00	51.50	Horizontal
239.4335	-68.34	-13.00	55.34	Horizontal
586.8563	-64.19	-13.00	51.19	Horizontal
2701.5403	-36.05	-13.00	23.05	Horizontal
3702.0234	-53.09	-13.00	40.09	Horizontal
16393.9465	-43.81	-13.00	30.81	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
47.4609	-71.49	-13.00	58.49	Vertical
110.3685	-64.98	-13.00	51.98	Vertical
611.2531	-64.87	-13.00	51.87	Vertical
2703.5407	-37.62	-13.00	24.62	Vertical
3742.0247	-56.26	-13.00	43.26	Vertical
17997.9999	-39.71	-13.00	26.71	Vertical
42.9016	-63.49	-13.00	50.49	Horizontal
250.1040	-68.45	-13.00	55.45	Horizontal
553.7292	-65.51	-13.00	52.51	Horizontal
2698.7397	-36.58	-13.00	23.58	Horizontal
3742.0247	-56.16	-13.00	43.16	Horizontal
16396.9466	-43.52	-13.00	30.52	Horizontal

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7.1.3.Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.7219	-72.84	-13.00	59.84	Vertical
114.2002	-64.83	-13.00	51.83	Vertical
499.8915	-66.65	-13.00	53.65	Vertical
2699.1398	-37.55	-13.00	24.55	Vertical
3782.5261	-55.03	-13.00	42.03	Vertical
17997.4999	-40.04	-13.00	27.04	Vertical
44.2112	-64.12	-13.00	51.12	Horizontal
235.9898	-68.45	-13.00	55.45	Horizontal
750.9400	-62.30	-13.00	49.30	Horizontal
2703.5407	-36.38	-13.00	23.38	Horizontal
3782.0261	-54.19	-13.00	41.19	Horizontal
16392.4464	-43.52	-13.00	30.52	Horizontal

Remark:

1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.

3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.

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8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	VL	NT	-9.10	-0.004892	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	-7.80	-0.004194	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	-8.40	-0.004516	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	4.60	0.002447	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-9.90	-0.005266	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-3.00	-0.001596	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	10.50	0.005526	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-9.80	-0.005158	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-0.10	-0.000053	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	-6.10	-0.003280	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	-1.30	-0.000699	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	-12.70	-0.006828	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-12.60	-0.006702	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-2.80	-0.001489	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	0.40	0.000213	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	-9.50	-0.005000	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	-2.90	-0.001526	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	-0.10	-0.000053	±2.5	PASS

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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	-13.50	-0.007258	±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	-4.30	-0.002312	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	-5.10	-0.002742	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	2.50	0.001344	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	-9.00	-0.004839	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	-4.30	-0.002312	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	-4.50	-0.002419	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	0.50	0.000266	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-1.40	-0.000745	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	7.00	0.003723	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	4.10	0.002181	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	5.60	0.002979	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-6.50	-0.003457	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	0.10	0.000053	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-10.80	-0.005745	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-30	16.30	0.008579	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	-8.10	-0.004263	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	8.20	0.004316	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-9.30	-0.004895	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-1.90	-0.001000	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	-3.30	-0.001737	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	-14.60	-0.007684	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	-7.90	-0.004158	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	-2.20	-0.001183	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	-7.10	-0.003817	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	-12.20	-0.006559	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	-10.10	-0.005430	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	7.40	0.003978	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	-2.00	-0.001075	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	-7.90	-0.004247	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	1.80	0.000968	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-0.40	-0.000213	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-14.30	-0.007606	±2.5	PASS

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Band2	20MHz	16QAM	18900	100RB#0	NV	0	-21.40	-0.011383	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-24.10	-0.012819	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-11.30	-0.006011	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-7.10	-0.003777	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	0.40	0.000213	±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	-7.60	-0.004000	±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	-16.80	-0.008842	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-3.80	-0.002000	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	9.00	0.004737	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	-4.60	-0.002421	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-4.60	-0.002421	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	7.20	0.003789	±2.5	PASS

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