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Appendix B

E-UTRA Band 2



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1 Effective (Isotropic) Radiated Power

1.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	22.33	23.03	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.51	23.21	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.59	23.29	33	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	22.54	23.24	33	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	22.52	23.22	33	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	22.61	23.31	33	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.53	22.23	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.43	23.13	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.47	23.17	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.46	23.16	33	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	22.43	23.13	33	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	22.48	23.18	33	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	22.53	23.23	33	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.58	22.28	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.64	23.34	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.47	23.17	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.45	23.15	33	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	22.79	23.49	33	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	22.68	23.38	33	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	22.54	23.24	33	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.95	22.65	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	21.08	21.78	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	21.15	21.85	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	21.11	21.81	33	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	21.00	21.70	33	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	21.27	21.97	33	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	21.18	21.88	33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	20.10	20.80	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	21.32	22.02	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.34	22.04	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	21.25	21.95	33	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	21.08	21.78	33	PASS



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- IO	4 45 41 1	400444	40000	000//4	04.00	22.22		5466
Band2	1.4MHz	16QAM	18900	3RB#1	21.32	22.02	33	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	21.24	21.94	33	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	20.31	21.01	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	21.27	21.97	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	21.17	21.87	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	20.98	21.68	33	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	21.20	21.90	33	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	21.18	21.88	33	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	21.16	21.86	33	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	20.30	21.00	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.51	23.21	33	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.67	23.37	33	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.39	23.09	33	PASS
Band2	3MHz	QPSK	18615	8RB#0	21.74	22.44	33	PASS
Band2	3MHz	QPSK	18615	8RB#4	21.54	22.24	33	PASS
Band2	3MHz	QPSK	18615	8RB#7	21.58	22.28	33	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.68	22.38	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.53	23.23	33	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.43	23.13	33	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.40	23.10	33	PASS
Band2	3MHz	QPSK	18900	8RB#0	21.60	22.30	33	PASS
Band2	3MHz	QPSK	18900	8RB#4	21.69	22.39	33	PASS
Band2	3MHz	QPSK	18900	8RB#7	21.61	22.31	33	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.66	22.36	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.70	23.40	33	PASS
Band2	3MHz	QPSK	19185	1RB#8	22.36	23.06	33	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.42	23.12	33	PASS
Band2	3MHz	QPSK	19185	8RB#0	21.99	22.69	33	PASS
Band2	3MHz	QPSK	19185	8RB#4	21.60	22.30	33	PASS
Band2	3MHz	QPSK	19185	8RB#7	21.62	22.32	33	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.82	22.52	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	21.57	22.27	33	PASS
Band2	3MHz	16QAM	18615	1RB#8	21.16	21.86	33	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.19	21.89	33	PASS
Band2	3MHz	16QAM	18615	8RB#0	20.31	21.01	33	PASS
Band2	3MHz	16QAM	18615	8RB#4	20.23	20.93	33	PASS
Band2	3MHz	16QAM	18615	8RB#7	20.26	20.96	33	PASS
Band2	3MHz	16QAM	18615	15RB#0	20.27	20.97	33	PASS



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D 10	08411-	400 444	40000	4DD#0	04.00	04.00	00	DAGO
Band2	3MHz	16QAM	18900	1RB#0	21.23	21.93	33	PASS
Band2	3MHz	16QAM	18900	1RB#8	21.30	22.00	33	PASS
Band2	3MHz	16QAM	18900	1RB#14	21.26	21.96	33	PASS
Band2	3MHz	16QAM	18900	8RB#0	20.34	21.04	33	PASS
Band2	3MHz	16QAM	18900	8RB#4	20.36	21.06	33	PASS
Band2	3MHz	16QAM	18900	8RB#7	20.32	21.02	33	PASS
Band2	3MHz	16QAM	18900	15RB#0	20.25	20.95	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	21.62	22.32	33	PASS
Band2	3MHz	16QAM	19185	1RB#8	21.25	21.95	33	PASS
Band2	3MHz	16QAM	19185	1RB#14	20.83	21.53	33	PASS
Band2	3MHz	16QAM	19185	8RB#0	20.33	21.03	33	PASS
Band2	3MHz	16QAM	19185	8RB#4	20.18	20.88	33	PASS
Band2	3MHz	16QAM	19185	8RB#7	20.02	20.72	33	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.29	20.99	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.44	23.14	33	PASS
Band2	5MHz	QPSK	18625	1RB#12	22.49	23.19	33	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.57	23.27	33	PASS
Band2	5MHz	QPSK	18625	12RB#0	21.62	22.32	33	PASS
Band2	5MHz	QPSK	18625	12RB#6	21.65	22.35	33	PASS
Band2	5MHz	QPSK	18625	12RB#13	21.54	22.24	33	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.21	22.91	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.50	23.20	33	PASS
Band2	5MHz	QPSK	18900	1RB#12	22.44	23.14	33	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.23	22.93	33	PASS
Band2	5MHz	QPSK	18900	12RB#0	21.56	22.26	33	PASS
Band2	5MHz	QPSK	18900	12RB#6	21.59	22.29	33	PASS
Band2	5MHz	QPSK	18900	12RB#13	21.62	22.32	33	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.75	23.45	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.36	23.06	33	PASS
Band2	5MHz	QPSK	19175	1RB#12	22.35	23.05	33	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.11	22.81	33	PASS
Band2	5MHz	QPSK	19175	12RB#0	21.61	22.31	33	PASS
Band2	5MHz	QPSK	19175	12RB#6	21.59	22.29	33	PASS
Band2	5MHz	QPSK	19175	12RB#13	21.48	22.18	33	PASS
Band2	5MHz	QPSK	19175	25RB#0	21.93	22.63	33	PASS
Band2	5MHz	16QAM	18625	1RB#0	21.02	21.72	33	PASS
Band2	5MHz	16QAM	18625	1RB#12	21.58	22.28	33	PASS
Band2	5MHz	16QAM	18625	1RB#24	21.37	22.07	33	PASS



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Band2	5MHz	16QAM	18625	12RB#0	20.39	21.09	33	PASS
Band2	5MHz	16QAM	18625	12RB#6	20.32	21.02	33	PASS
Band2	5MHz	16QAM	18625	12RB#13	20.24	20.94	33	PASS
Band2	5MHz	16QAM	18625	25RB#0	20.41	21.11	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	21.20	21.90	33	PASS
Band2	5MHz	16QAM	18900	1RB#12	21.45	22.15	33	PASS
Band2	5MHz	16QAM	18900	1RB#24	21.26	21.96	33	PASS
Band2	5MHz	16QAM	18900	12RB#0	20.26	20.96	33	PASS
Band2	5MHz	16QAM	18900	12RB#6	20.48	21.18	33	PASS
Band2	5MHz	16QAM	18900	12RB#13	20.19	20.89	33	PASS
Band2	5MHz	16QAM	18900	25RB#0	20.32	21.02	33	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.33	22.03	33	PASS
Band2	5MHz	16QAM	19175	1RB#12	21.28	21.98	33	PASS
Band2	5MHz	16QAM	19175	1RB#24	20.88	21.58	33	PASS
Band2	5MHz	16QAM	19175	12RB#0	20.62	21.32	33	PASS
Band2	5MHz	16QAM	19175	12RB#6	20.30	21.00	33	PASS
Band2	5MHz	16QAM	19175	12RB#13	20.02	20.72	33	PASS
Band2	5MHz	16QAM	19175	25RB#0	20.33	21.03	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.66	23.36	33	PASS
Band2	10MHz	QPSK	18650	1RB#24	22.77	23.47	33	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.09	22.79	33	PASS
Band2	10MHz	QPSK	18650	25RB#0	21.79	22.49	33	PASS
Band2	10MHz	QPSK	18650	25RB#12	21.62	22.32	33	PASS
Band2	10MHz	QPSK	18650	25RB#25	21.52	22.22	33	PASS
Band2	10MHz	QPSK	18650	50RB#0	21.55	22.25	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.59	23.29	33	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.04	23.74	33	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.08	22.78	33	PASS
Band2	10MHz	QPSK	18900	25RB#0	21.69	22.39	33	PASS
Band2	10MHz	QPSK	18900	25RB#12	21.68	22.38	33	PASS
Band2	10MHz	QPSK	18900	25RB#25	21.41	22.11	33	PASS
Band2	10MHz	QPSK	18900	50RB#0	21.23	21.93	33	PASS
Band2	10MHz	QPSK	19150	1RB#0	22.27	22.97	33	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.29	23.99	33	PASS
Band2	10MHz	QPSK	19150	1RB#49	21.84	22.54	33	PASS
Band2	10MHz	QPSK	19150	25RB#0	21.93	22.63	33	PASS
Band2	10MHz	QPSK	19150	25RB#12	21.93	22.63	33	PASS
Band2	10MHz	QPSK	19150	25RB#25	21.76	22.16	33	PASS



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	401411	0.0014	10.150	50DD#0	04.47	04.07		5400
Band2	10MHz	QPSK	19150	50RB#0	21.17	21.87	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	21.19	21.89	33	PASS
Band2	10MHz	16QAM	18650	1RB#24	21.72	22.42	33	PASS
Band2	10MHz	16QAM	18650	1RB#49	21.66	22.36	33	PASS
Band2	10MHz	16QAM	18650	25RB#0	20.71	21.41	33	PASS
Band2	10MHz	16QAM	18650	25RB#12	20.54	21.24	33	PASS
Band2	10MHz	16QAM	18650	25RB#25	20.37	21.07	33	PASS
Band2	10MHz	16QAM	18650	27RB#0	20.58	21.28	33	PASS
Band2	10MHz	16QAM	18900	1RB#0	21.16	21.86	33	PASS
Band2	10MHz	16QAM	18900	1RB#24	21.73	22.43	33	PASS
Band2	10MHz	16QAM	18900	1RB#49	20.86	21.56	33	PASS
Band2	10MHz	16QAM	18900	25RB#0	20.54	21.24	33	PASS
Band2	10MHz	16QAM	18900	25RB#12	20.59	21.29	33	PASS
Band2	10MHz	16QAM	18900	25RB#25	20.14	20.84	33	PASS
Band2	10MHz	16QAM	18900	27RB#0	20.37	21.07	33	PASS
Band2	10MHz	16QAM	19150	1RB#0	20.87	21.57	33	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.90	22.60	33	PASS
Band2	10MHz	16QAM	19150	1RB#49	20.74	21.44	33	PASS
Band2	10MHz	16QAM	19150	25RB#0	20.56	21.26	33	PASS
Band2	10MHz	16QAM	19150	25RB#12	20.48	21.18	33	PASS
Band2	10MHz	16QAM	19150	25RB#25	20.36	21.06	33	PASS
Band2	10MHz	16QAM	19150	27RB#0	20.46	21.16	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.45	23.15	33	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.66	23.36	33	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.33	23.03	33	PASS
Band2	15MHz	QPSK	18675	38RB#0	22.83	23.53	33	PASS
Band2	15MHz	QPSK	18675	38RB#18	22.77	23.47	33	PASS
Band2	15MHz	QPSK	18675	38RB#37	22.61	23.31	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	21.62	22.32	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.69	23.39	33	PASS
Band2	15MHz	QPSK	18900	1RB#38	22.96	23.66	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	21.96	22.66	33	PASS
Band2	15MHz	QPSK	18900	38RB#0	22.42	23.12	33	PASS
Band2	15MHz	QPSK	18900	38RB#18	22.93	23.63	33	PASS
Band2	15MHz	QPSK	18900	38RB#37	22.86	23.56	33	PASS
Band2	15MHz	QPSK	18900	75RB#0	21.46	22.16	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	22.56	23.26	33	PASS
Band2	15MHz	QPSK	19125	1RB#38	22.47	23.17	33	PASS



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Band2	15MHz	QPSK	19125	1RB#74	21.96	22.66	33	PASS
Band2	15MHz	QPSK	19125	38RB#0	22.50	23.20	33	PASS
Band2	15MHz	QPSK	19125	38RB#18	23.01	23.71	33	PASS
Band2	15MHz	QPSK	19125	38RB#37	23.06	23.76	33	PASS
Band2	15MHz	QPSK	19125	75RB#0	21.36	22.06	33	PASS
Band2	15MHz	16QAM	18675	1RB#0	21.28	21.98	33	PASS
Band2	15MHz	16QAM	18675	1RB#38	21.53	22.23	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	21.72	22.42	33	PASS
Band2	15MHz	16QAM	18675	27RB#0	20.70	21.40	33	PASS
Band2	15MHz	16QAM	18900	1RB#0	21.16	21.86	33	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.02	22.72	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	20.76	21.46	33	PASS
Band2	15MHz	16QAM	18900	27RB#0	20.47	21.17	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.13	21.83	33	PASS
Band2	15MHz	16QAM	19125	1RB#38	21.90	22.60	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	20.95	21.65	33	PASS
Band2	15MHz	16QAM	19125	27RB#0	20.36	21.06	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.51	23.21	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	22.89	23.59	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.27	22.97	33	PASS
Band2	20MHz	QPSK	18700	50RB#0	21.80	22.50	33	PASS
Band2	20MHz	QPSK	18700	50RB#25	21.73	22.43	33	PASS
Band2	20MHz	QPSK	18700	50RB#50	21.77	22.47	33	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.38	23.08	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.60	23.30	33	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.52	24.22	33	PASS
Band2	20MHz	QPSK	18900	1RB#99	21.80	22.50	33	PASS
Band2	20MHz	QPSK	18900	50RB#0	21.95	22.65	33	PASS
Band2	20MHz	QPSK	18900	50RB#25	21.81	22.51	33	PASS
Band2	20MHz	QPSK	18900	50RB#50	21.48	22.18	33	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.79	23.49	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.54	23.24	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.32	24.02	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.26	22.96	33	PASS
Band2	20MHz	QPSK	19100	50RB#0	21.86	22.56	33	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.14	22.84	33	PASS
Band2	20MHz	QPSK	19100	50RB#50	21.69	22.39	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.41	23.11	33	PASS



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Band2	20MHz	16QAM	18700	1RB#0	21.19	21.89	33	PASS
Band2	20MHz	16QAM	18700	1RB#49	21.65	22.35	33	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.47	22.17	33	PASS
Band2	20MHz	16QAM	18700	27RB#0	21.26	21.96	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.35	22.05	33	PASS
Band2	20MHz	16QAM	18900	1RB#49	21.44	22.14	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	21.47	22.17	33	PASS
Band2	20MHz	16QAM	18900	27RB#0	20.96	21.66	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	21.33	22.03	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.48	22.18	33	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.53	22.23	33	PASS
Band2	20MHz	16QAM	19100	27RB#0	21.05	21.75	33	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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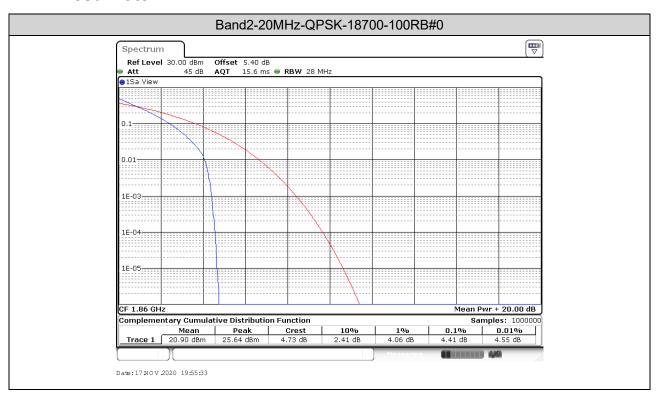
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Peak-to-Average Ratio (CCDF)

2.1 **Test Result**

Band	Bandwidt h	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	4.41	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	4.67	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	4.67	13	PASS
Band2	20MHz	16QAM	18700	27RB#0	5.28	13	PASS
Band2	20MHz	16QAM	18900	27RB#0	5.54	13	PASS
Band2	20MHz	16QAM	19100	27RB#0	5.57	13	PASS

2.2 **Test Plots**



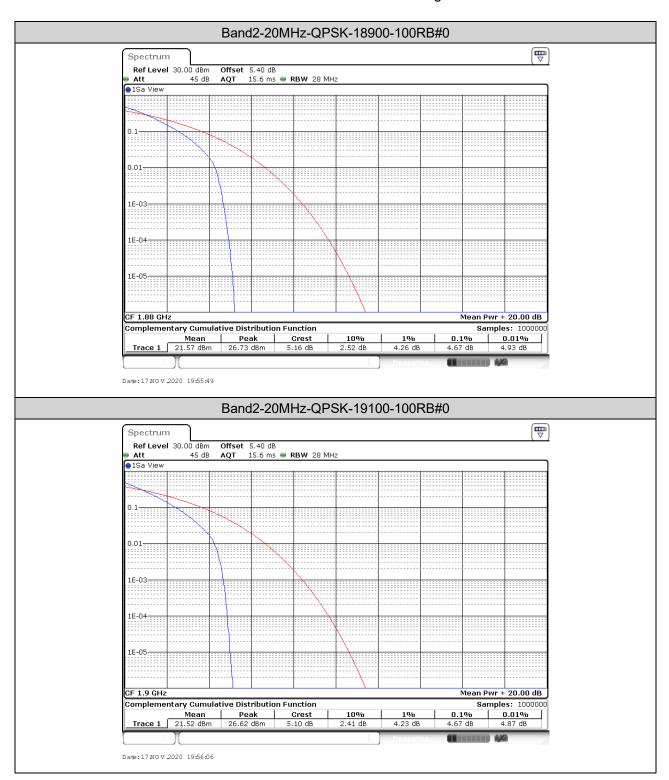


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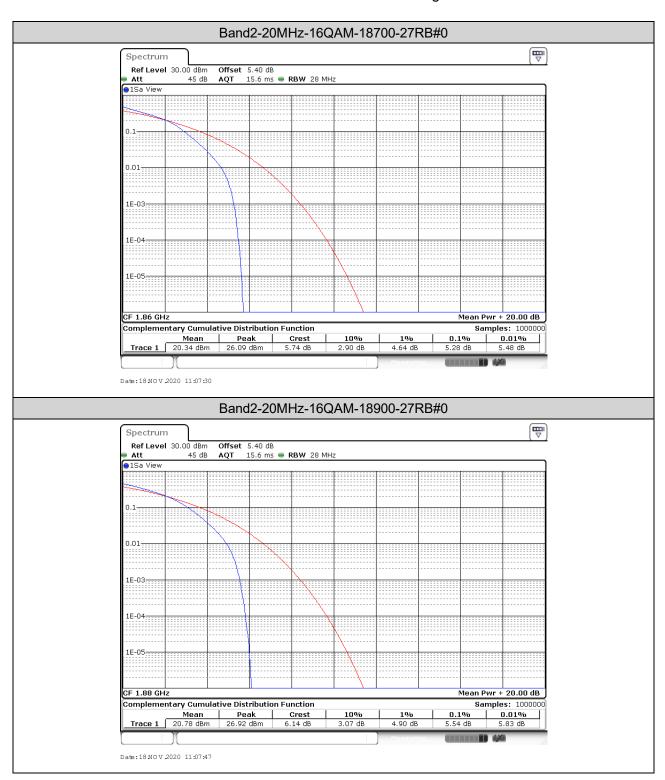
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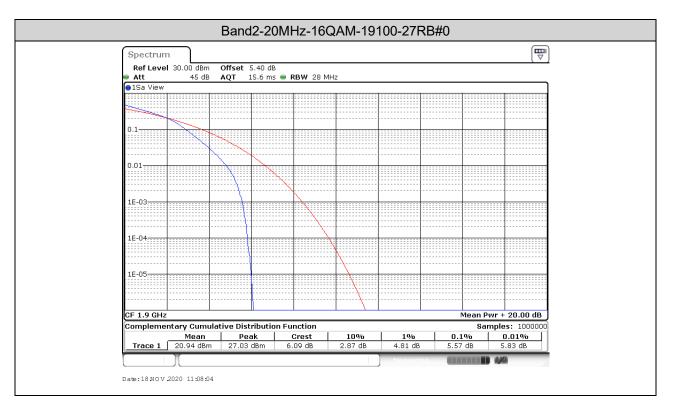
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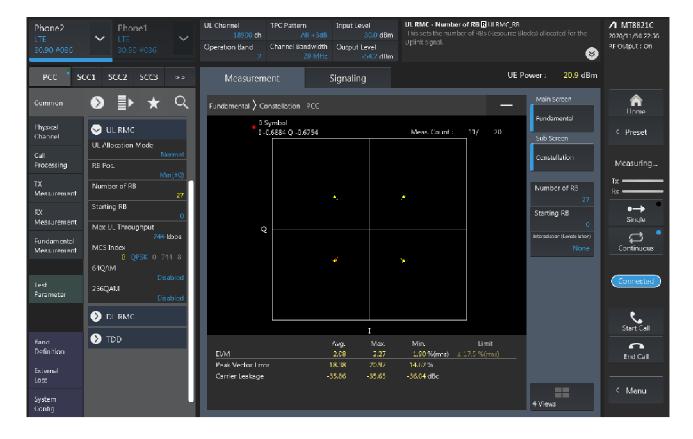
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Modulation Characteristics

Test Mode = LTE /TM1 20MHz

3.1.1 Test Channel = MCH

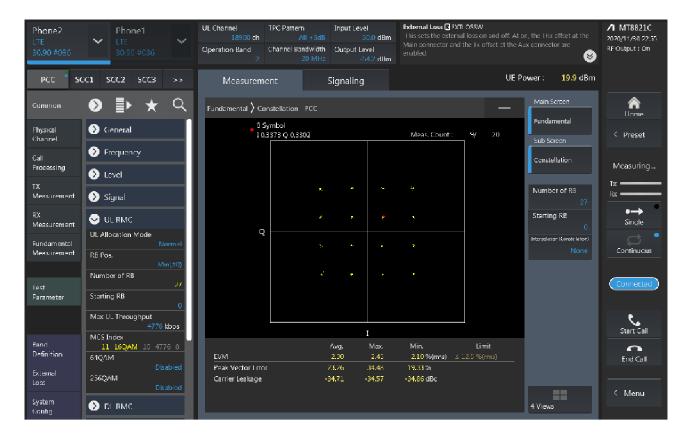




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3.2 Test Mode = LTE /TM2 20MHz

3.2.1 Test Channel = MCH





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4 26dB Bandwidth and Occupied Bandwidth

4.1 Test Result

Band	Bandwidt h	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.091	1.293	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.091	1.284	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.094	1.293	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.1	1.308	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.097	1.302	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.097	1.311	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.697	2.988	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.703	2.982	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.697	2.994	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.697	2.988	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.697	2.976	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.697	2.982	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.476	4.920	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.466	4.930	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.466	4.900	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.486	4.920	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.476	4.920	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.476	4.910	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.911	9.700	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.891	9.700	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.891	9.600	PASS
Band2	10MHz	16QAM	18650	27RB#0	4.875	5.700	PASS
Band2	10MHz	16QAM	18900	27RB#0	4.895	5.620	PASS
Band2	10MHz	16QAM	19150	27RB#0	4.875	5.660	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.457	14.910	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.397	14.790	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.457	14.730	PASS
Band2	15MHz	16QAM	18675	27RB#0	5.065	6.120	PASS
Band2	15MHz	16QAM	18900	27RB#0	5.065	6.030	PASS
Band2	15MHz	16QAM	19125	27RB#0	5.065	6.060	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.902	19.360	PASS



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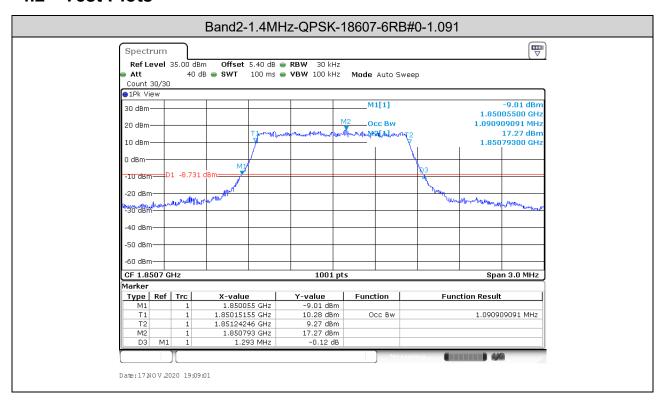


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Band2	20MHz	QPSK	18900	100RB#0	17.782	19.320	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.902	19.480	PASS
Band2	20MHz	16QAM	18700	27RB#0	5.195	6.480	PASS
Band2	20MHz	16QAM	18900	27RB#0	5.195	6.480	PASS
Band2	20MHz	16QAM	19100	27RB#0	5.195	6.480	PASS

4.2 **Test Plots**



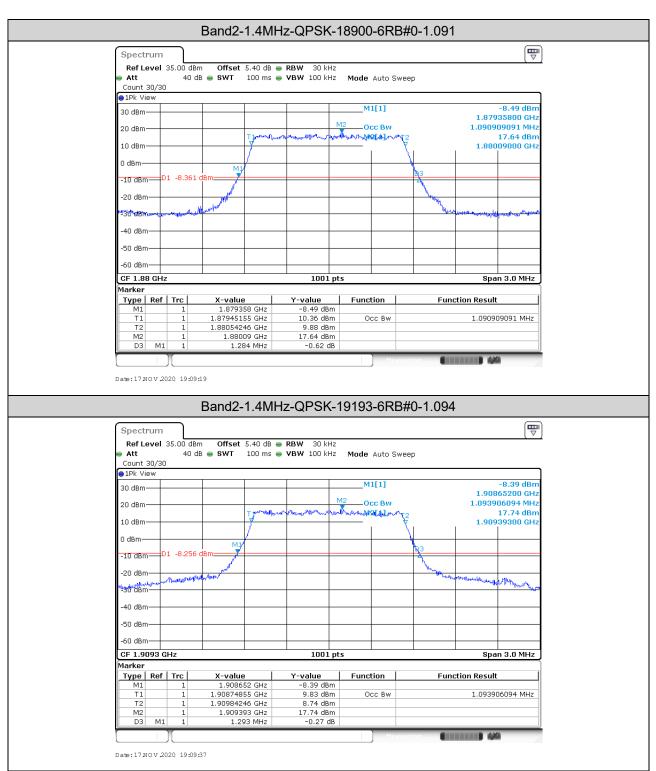


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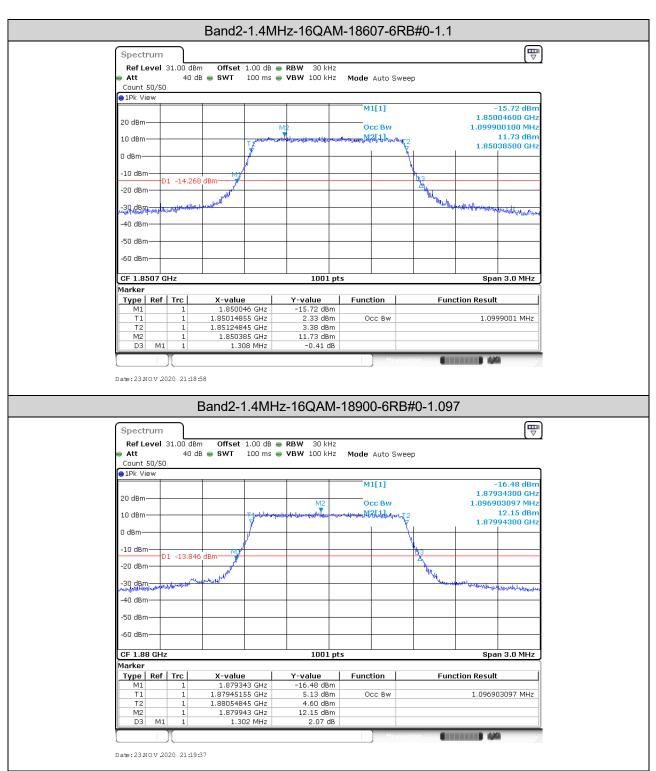
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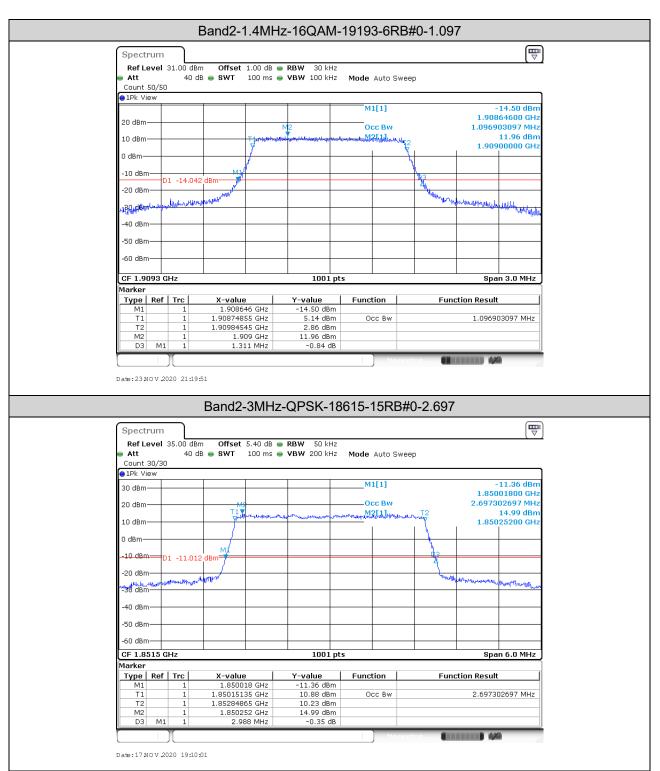
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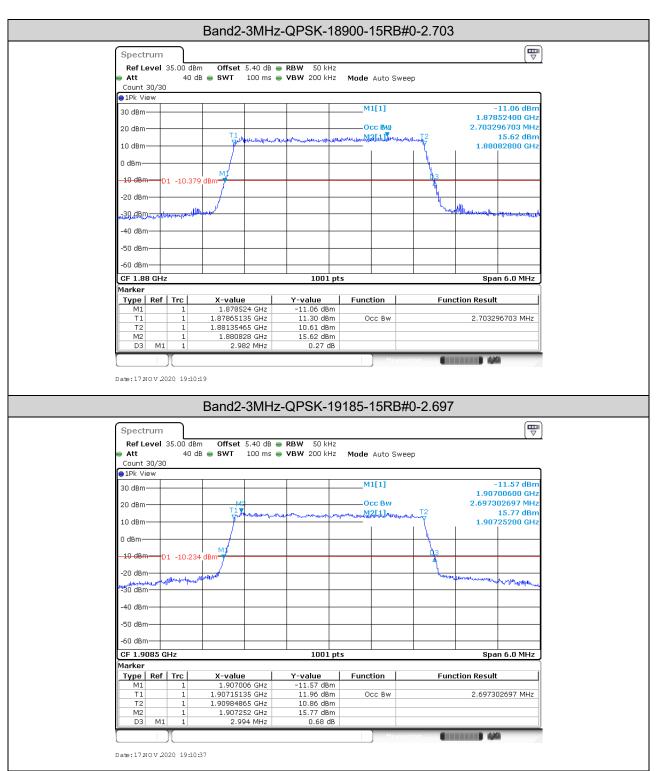


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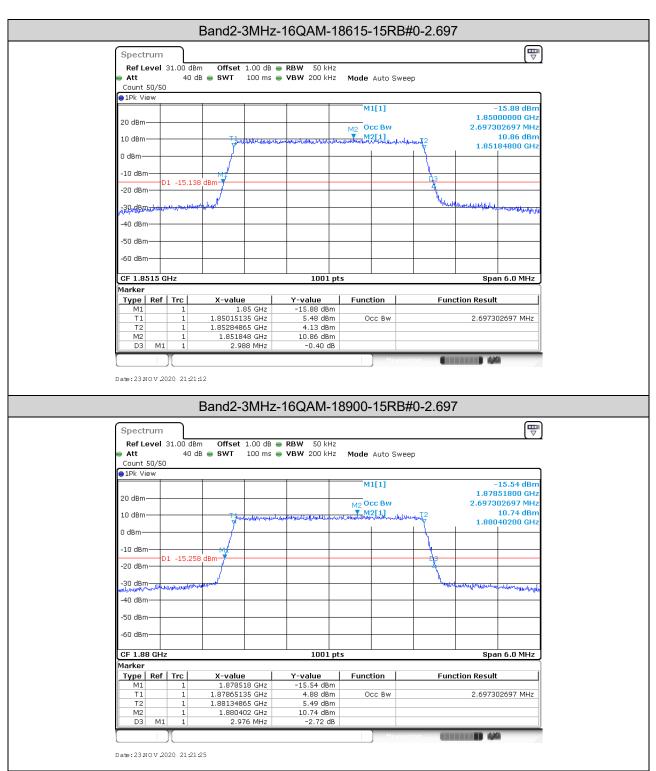
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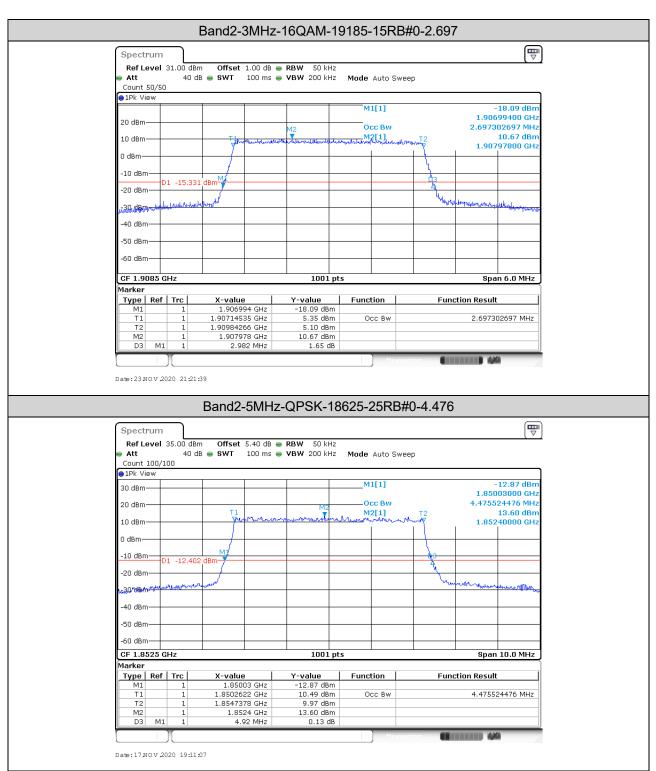
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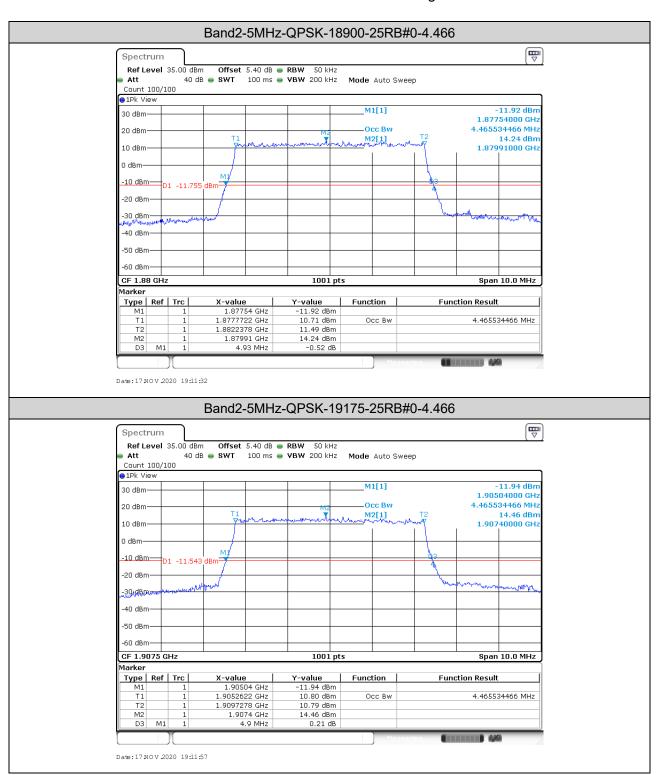
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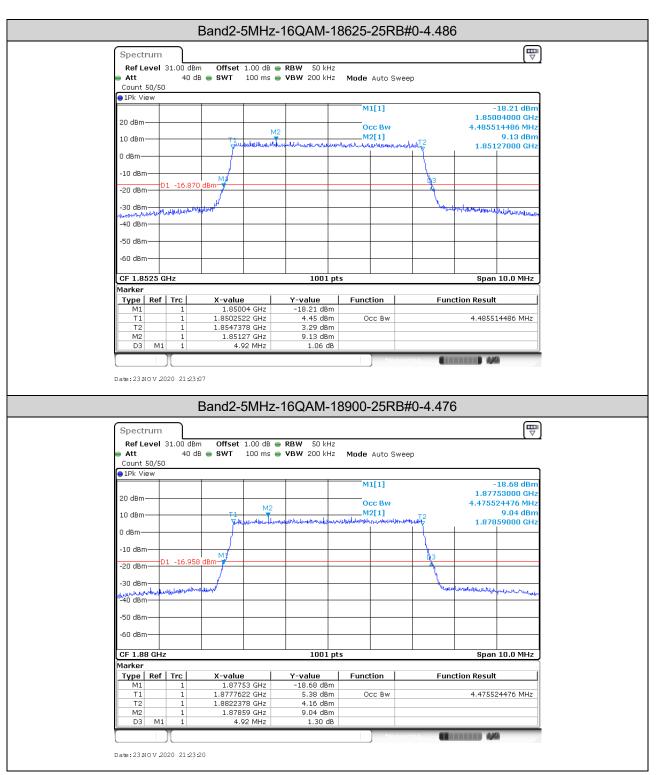
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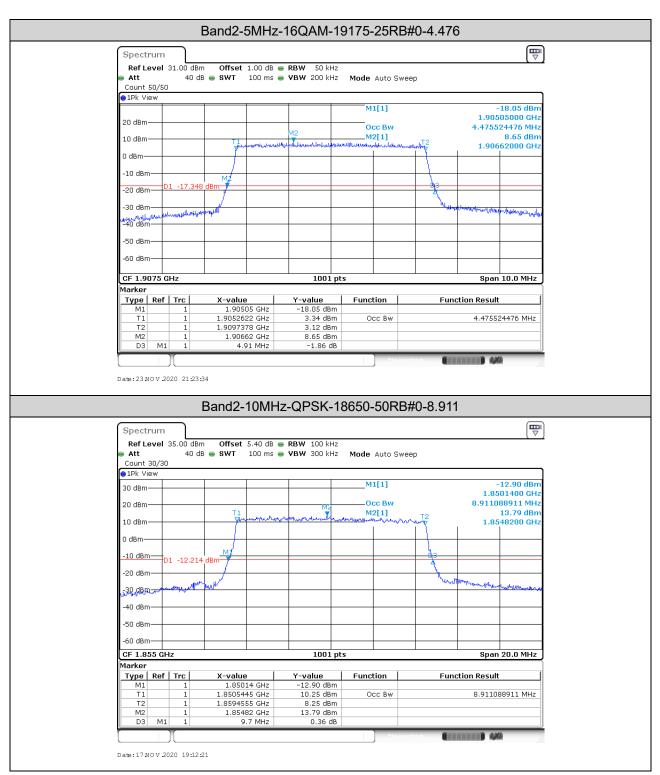
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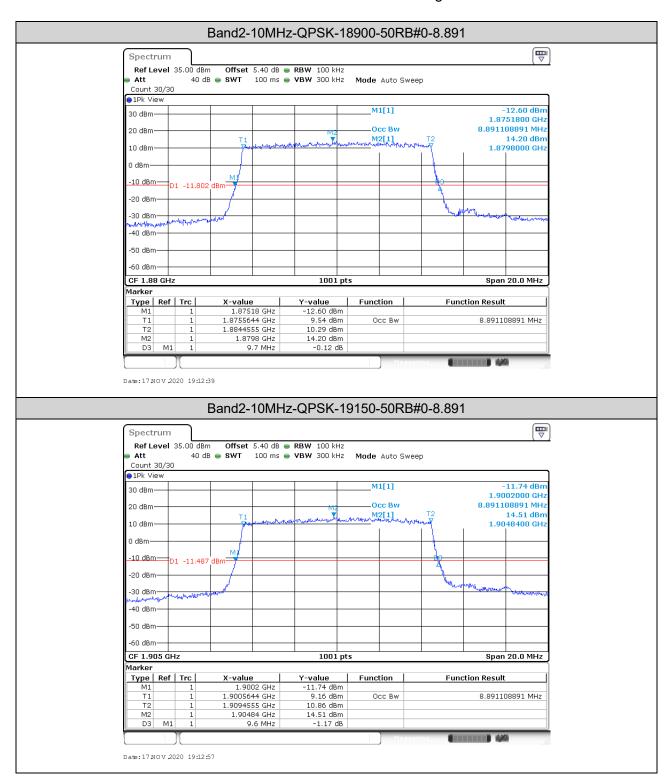


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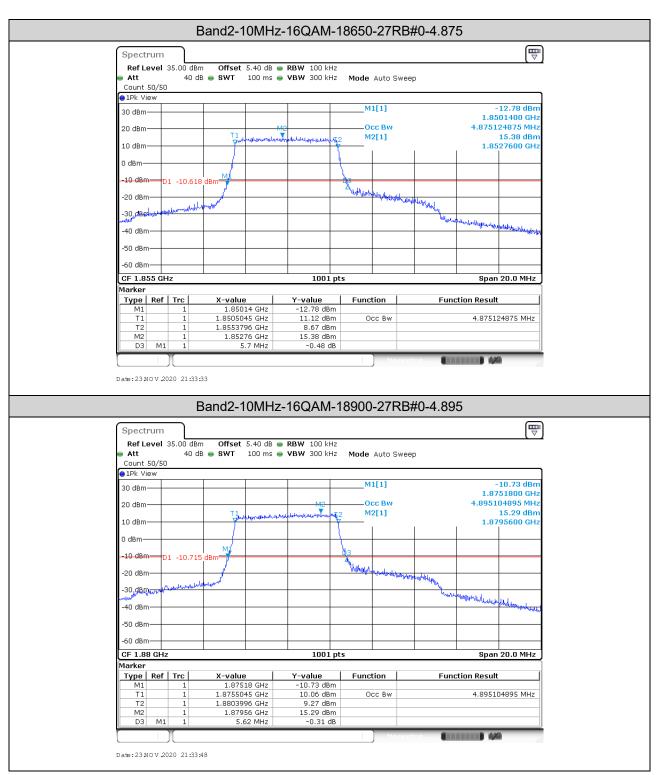


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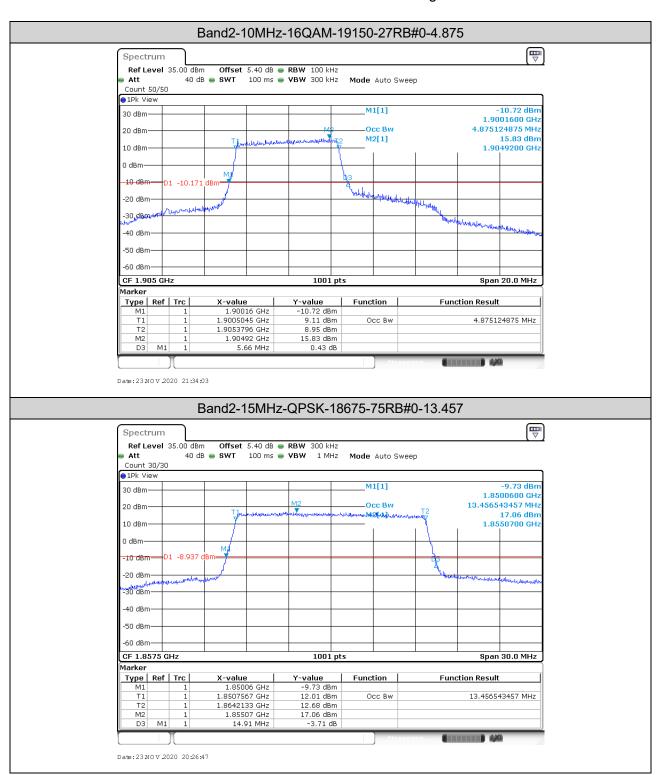
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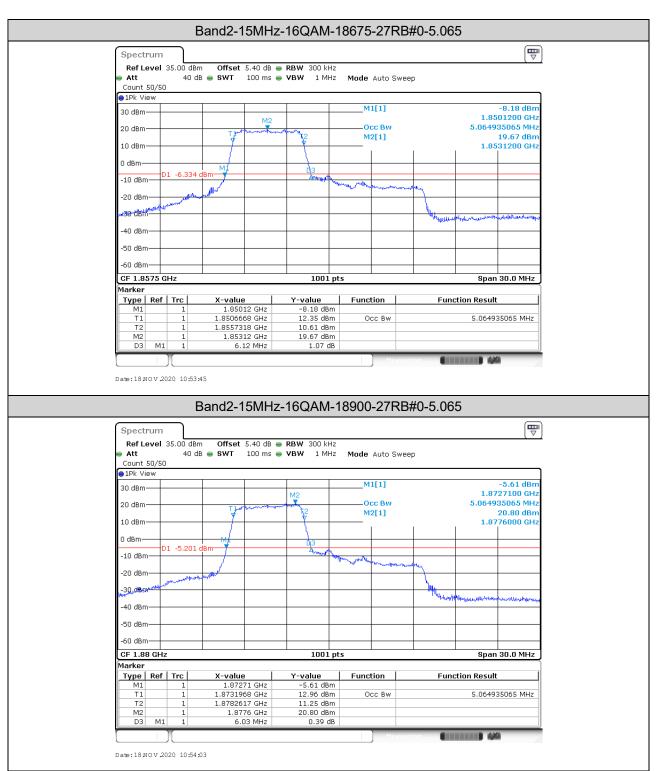


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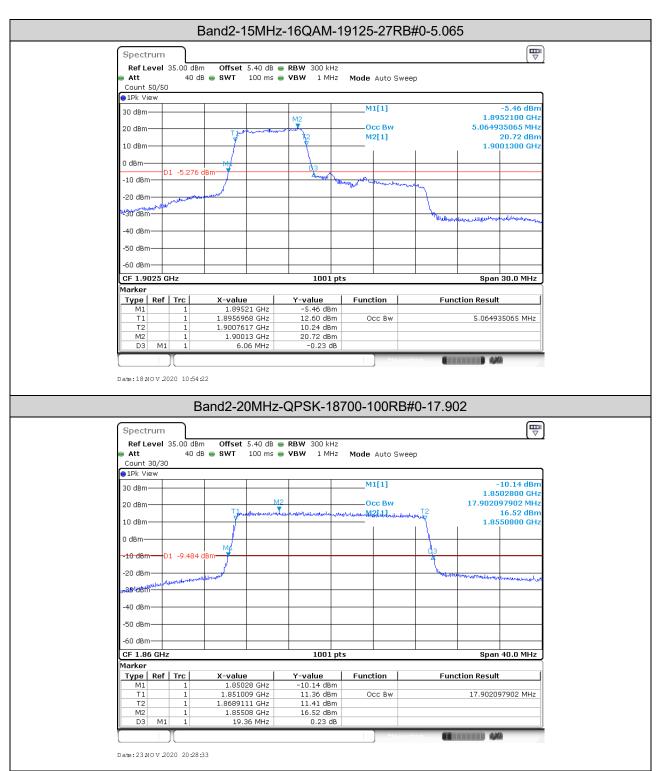
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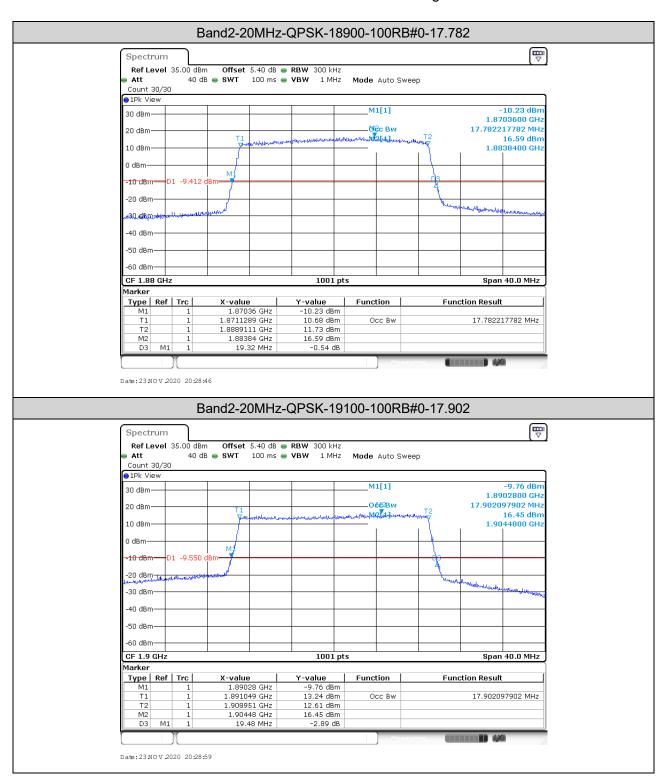


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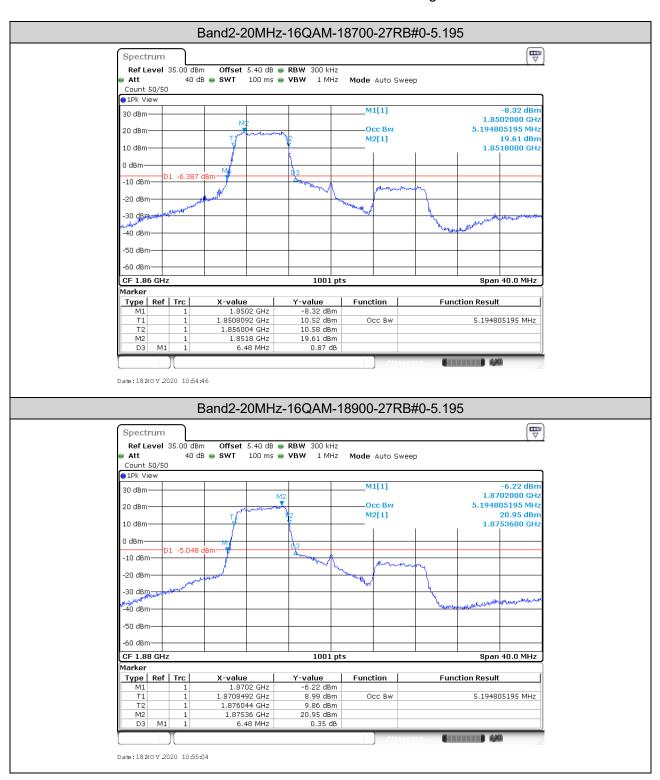
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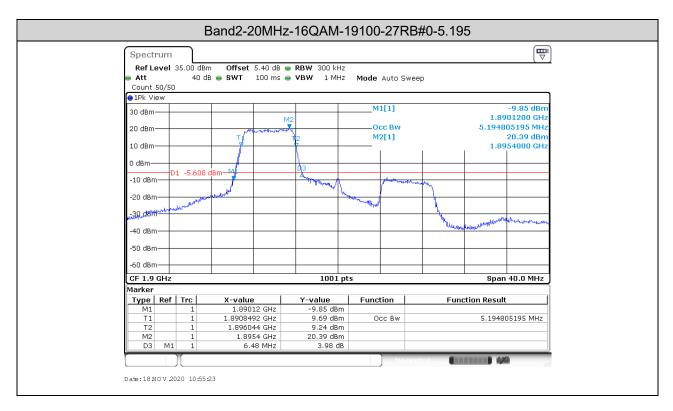
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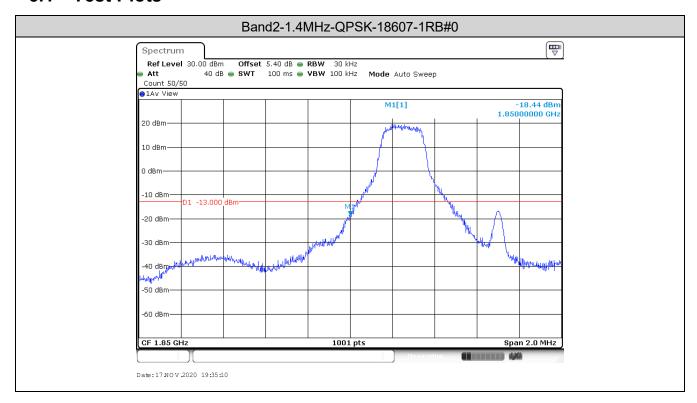
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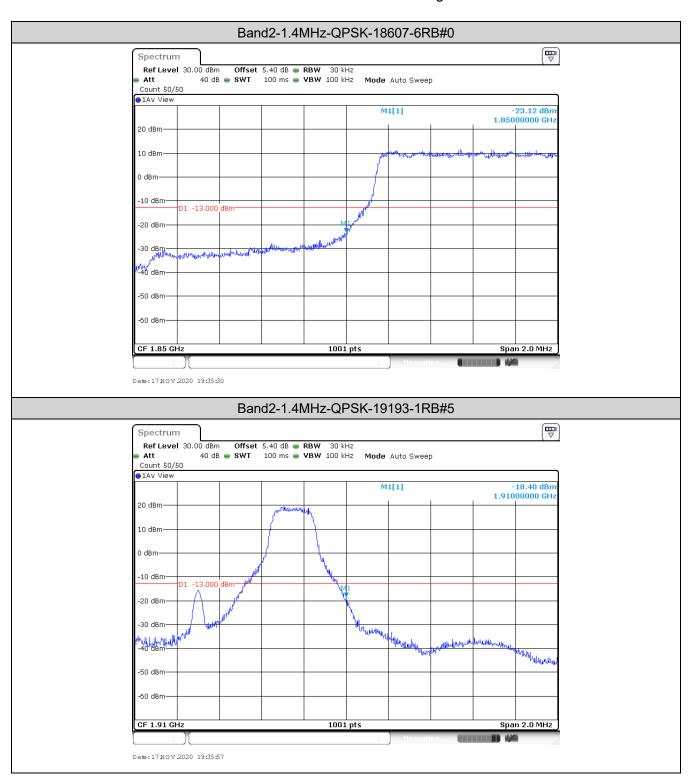
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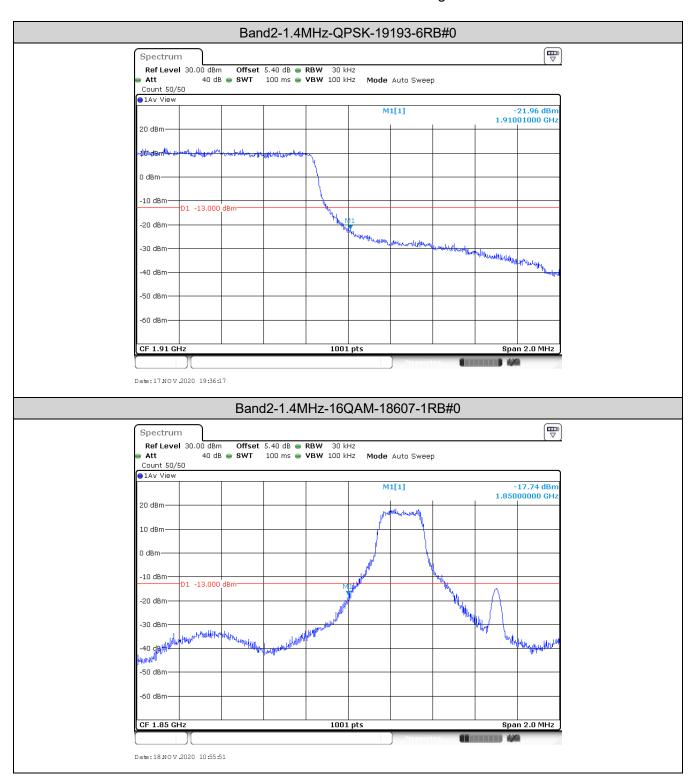
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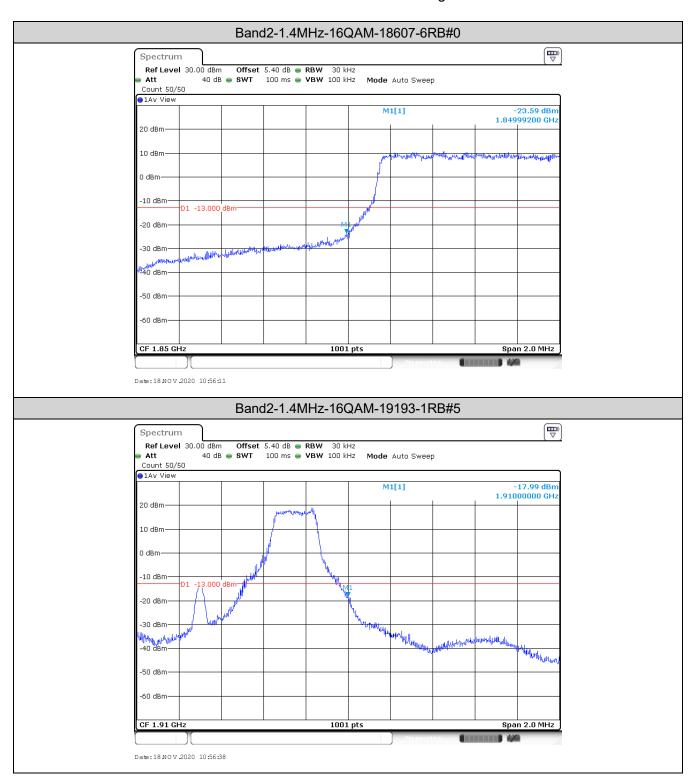
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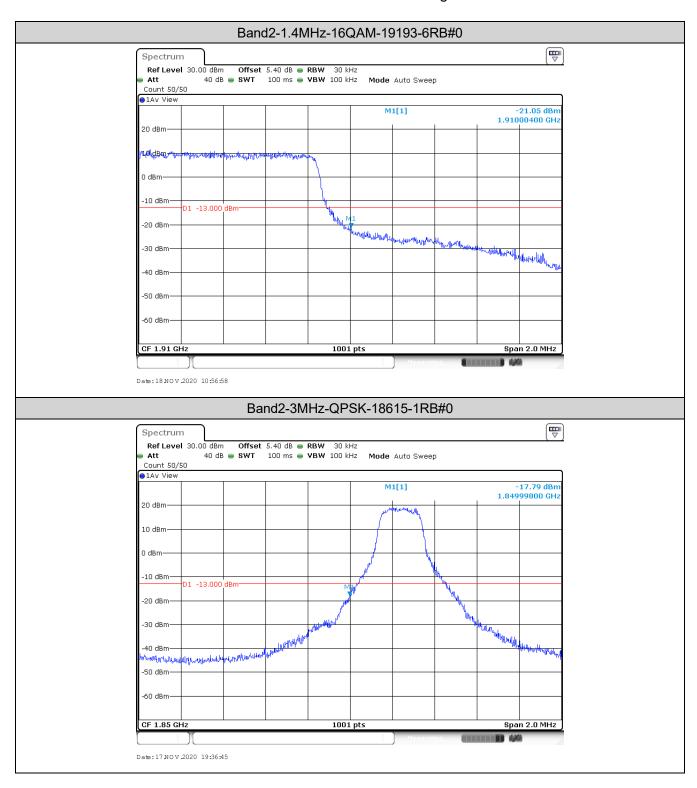
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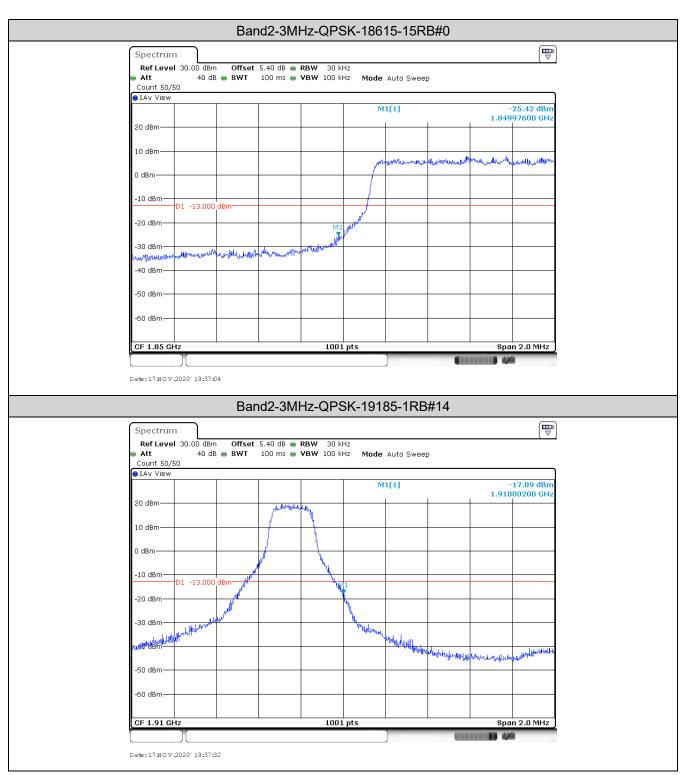
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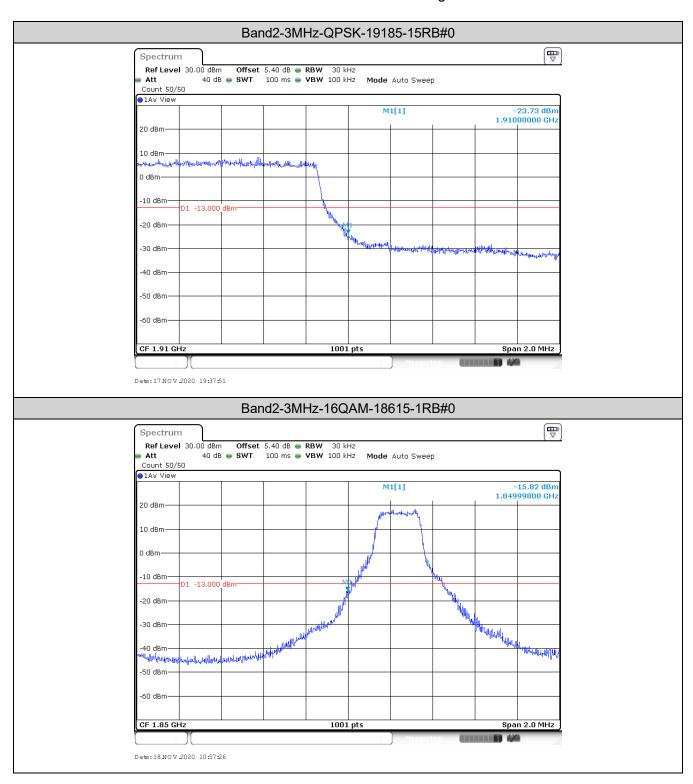
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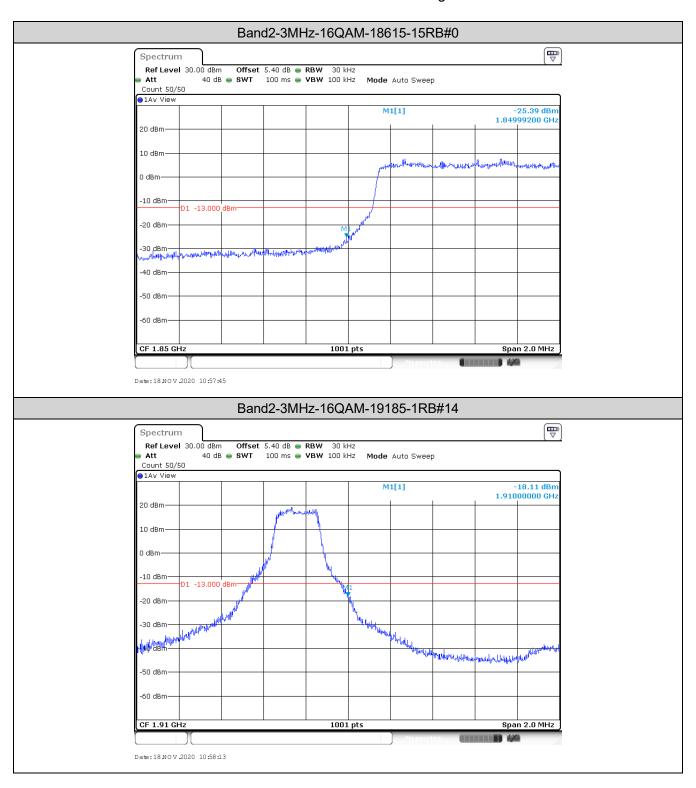
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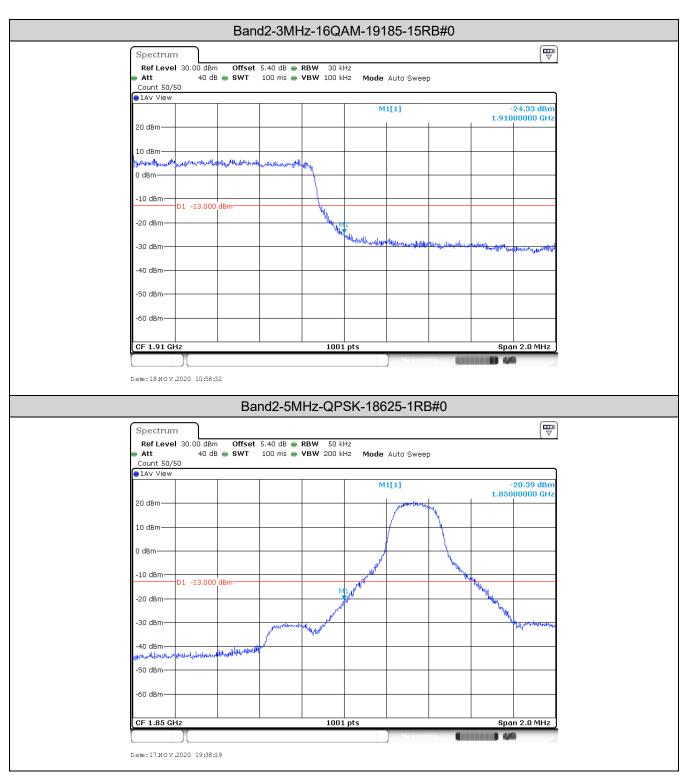
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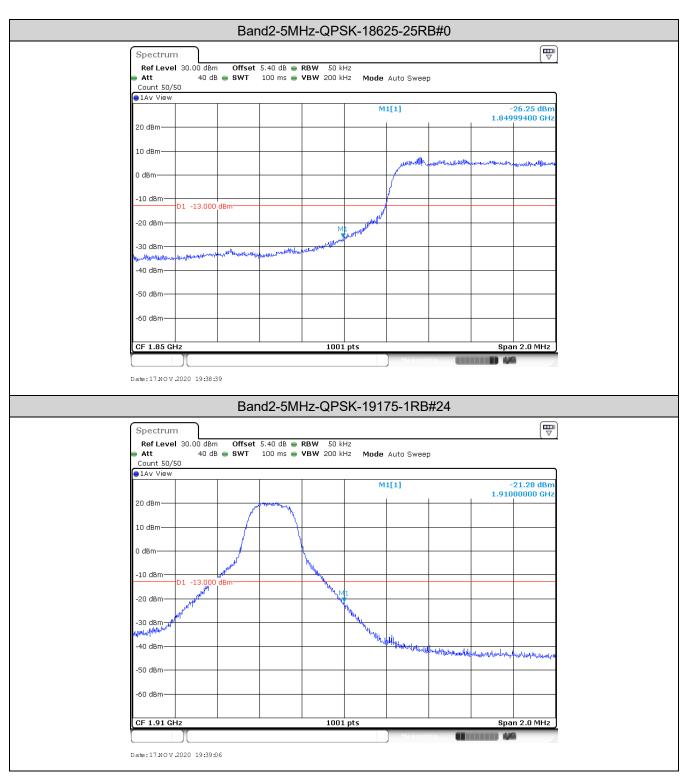
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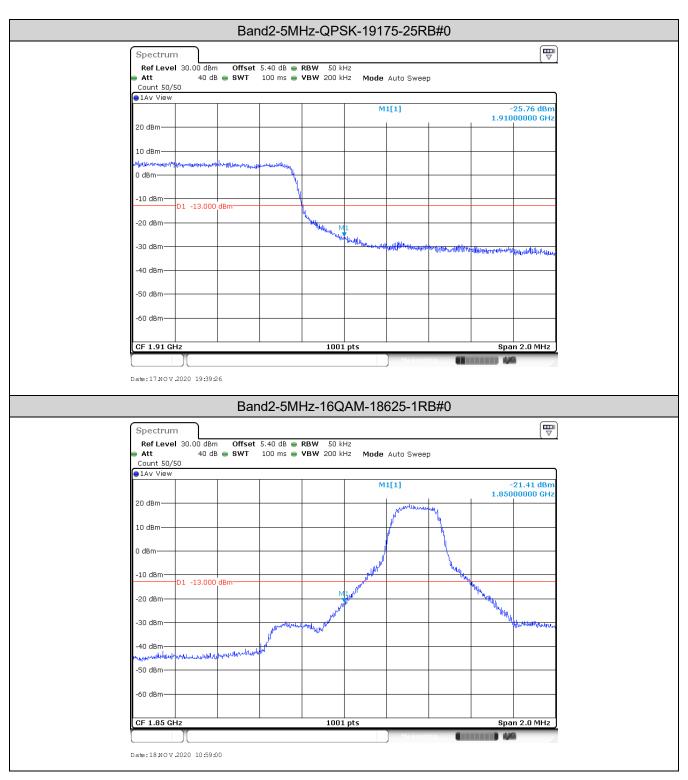
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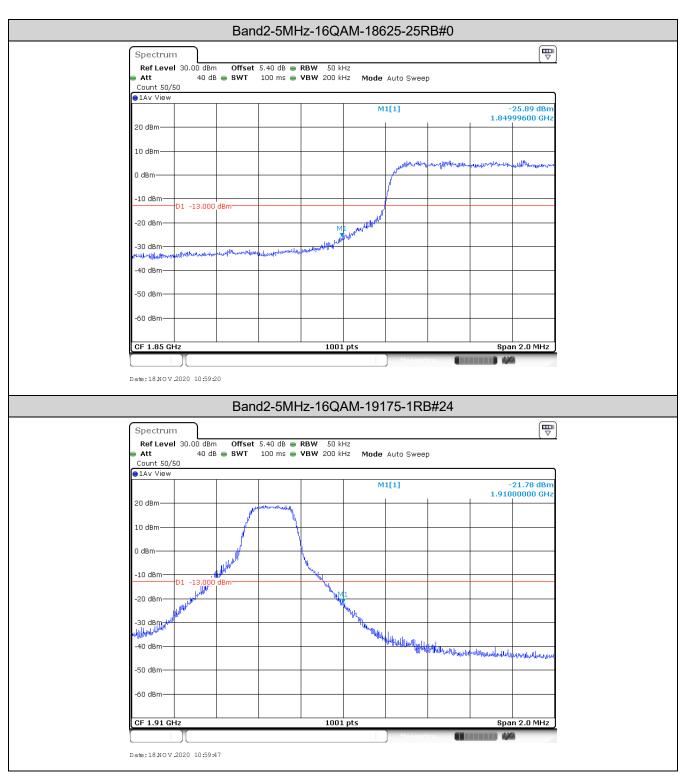
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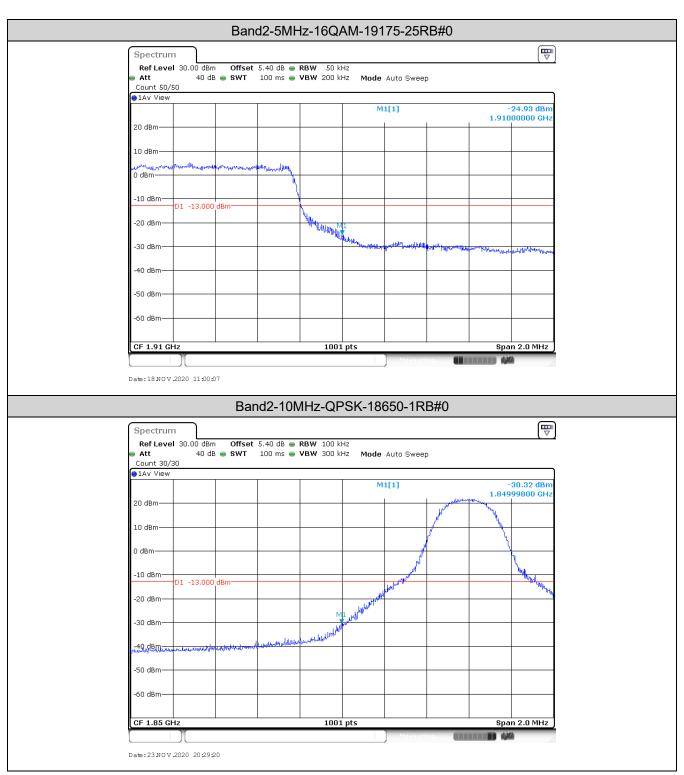
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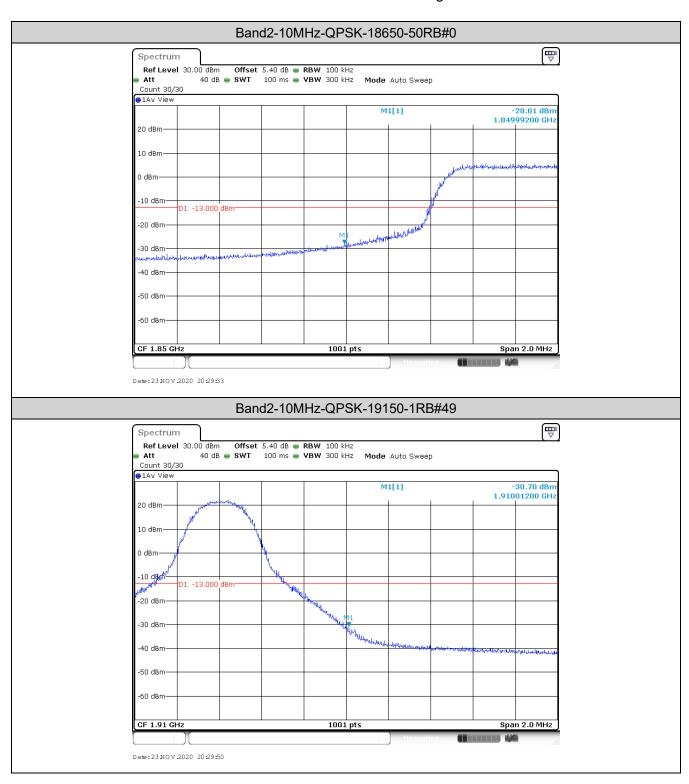
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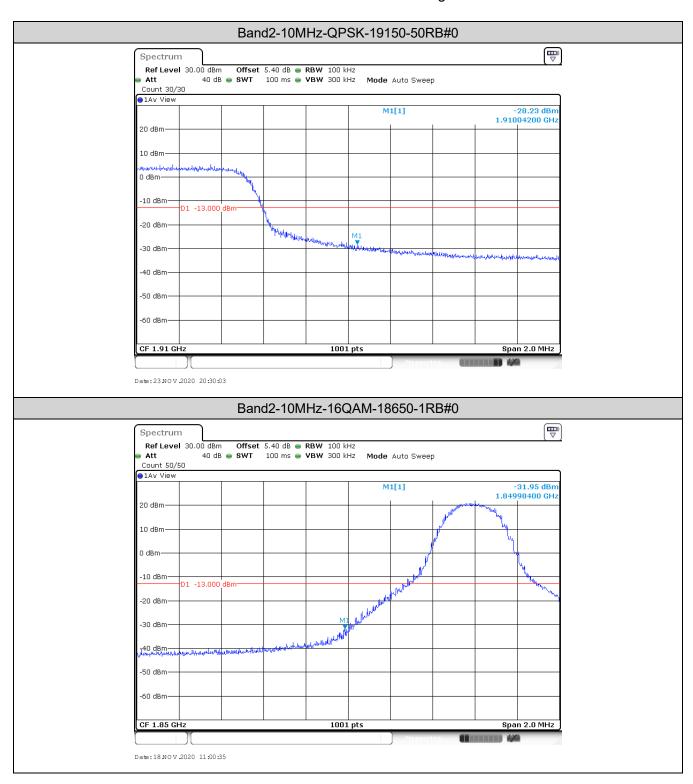
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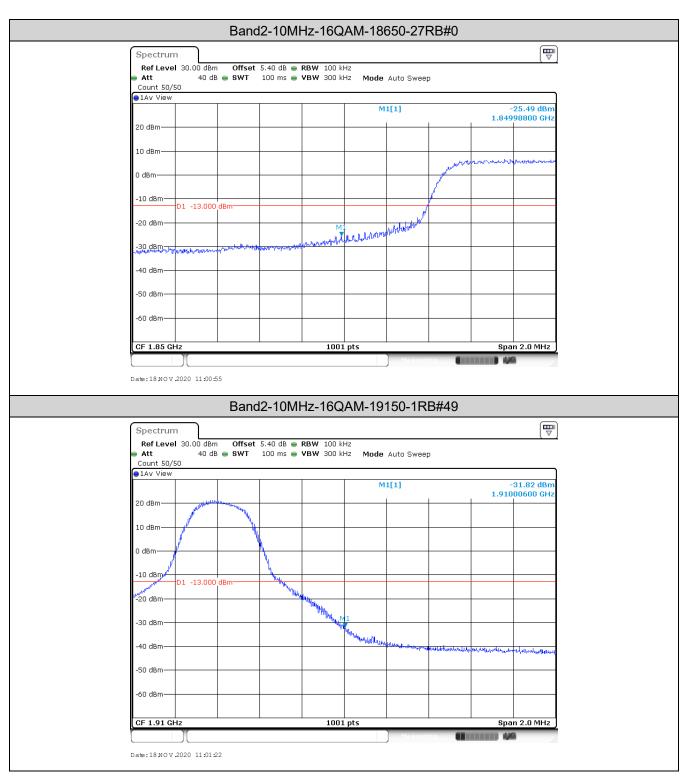
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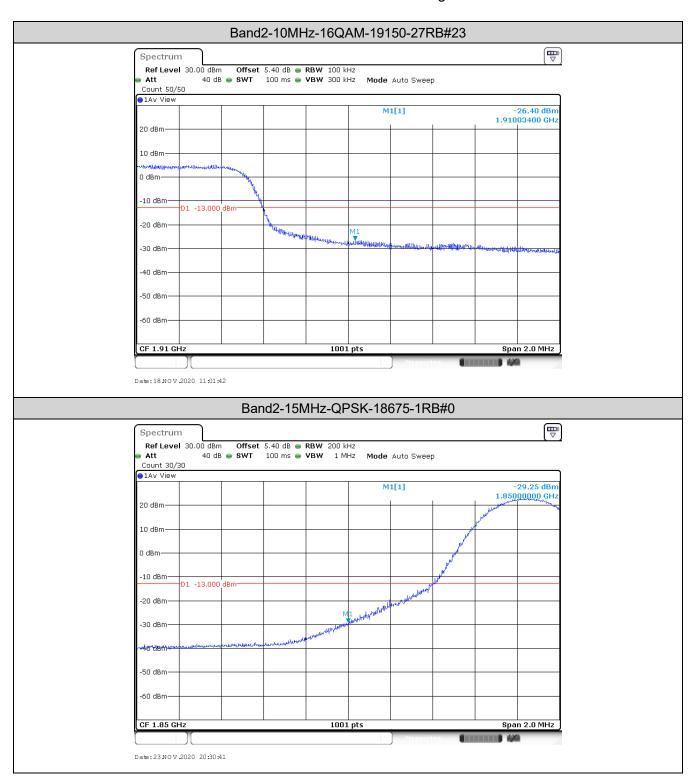
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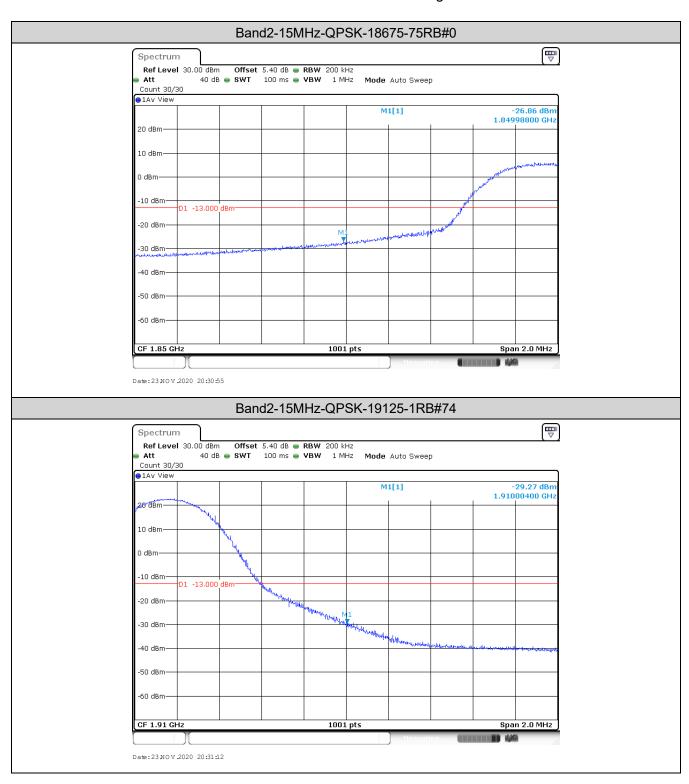
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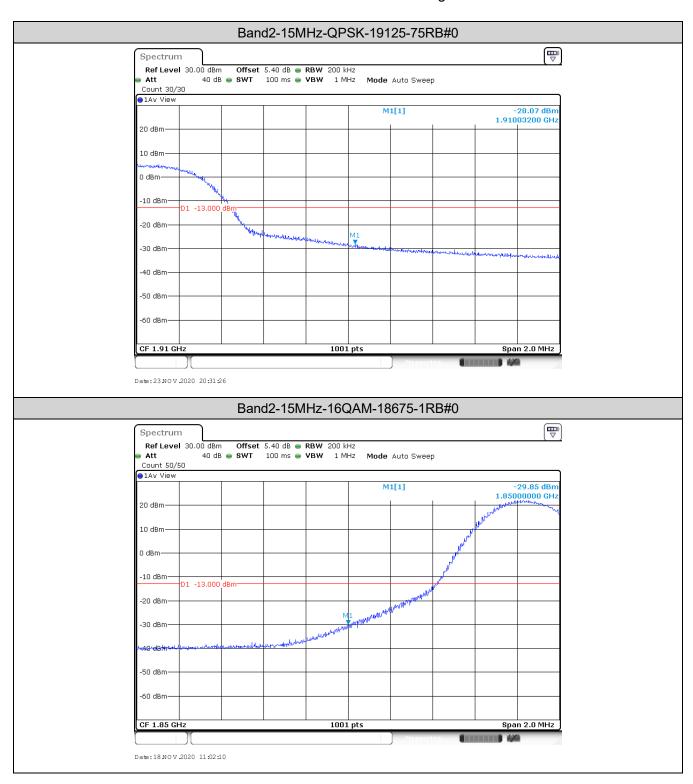
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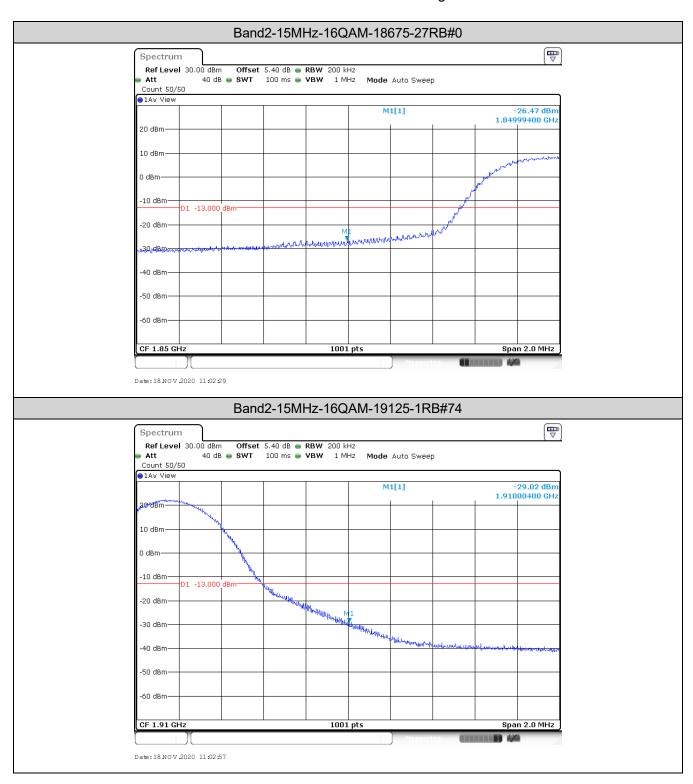
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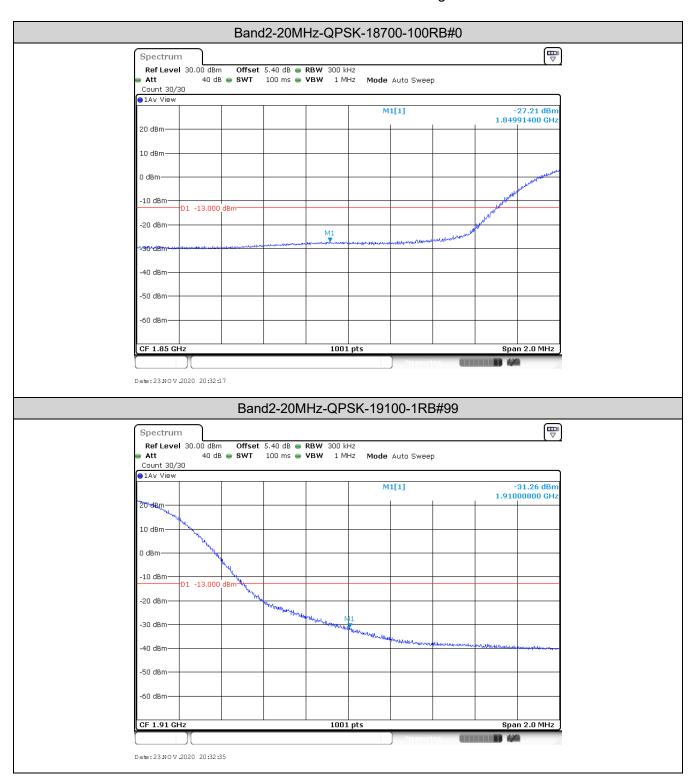
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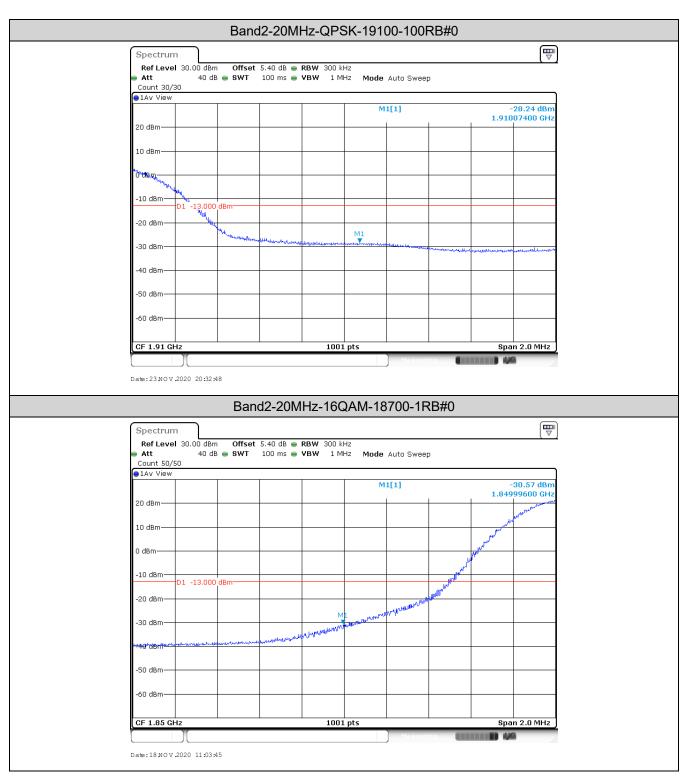
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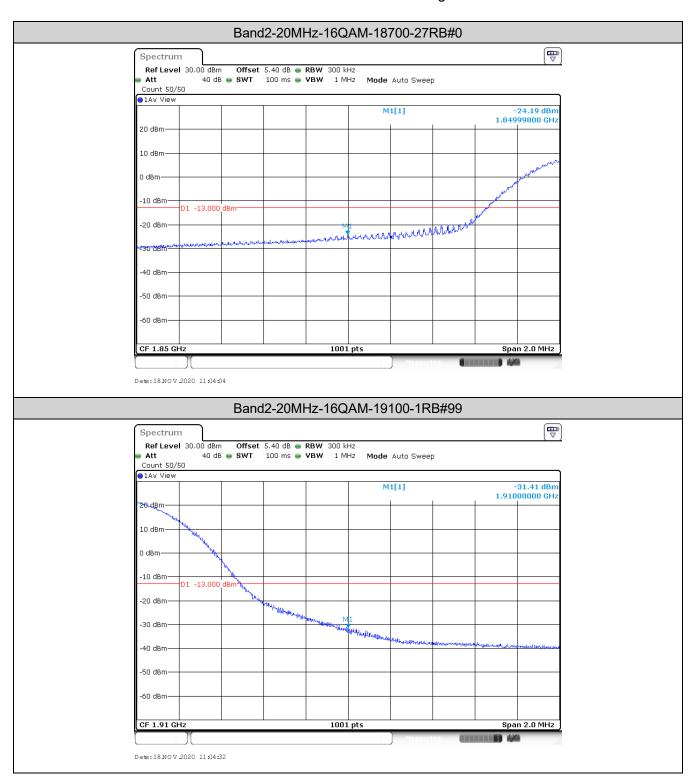
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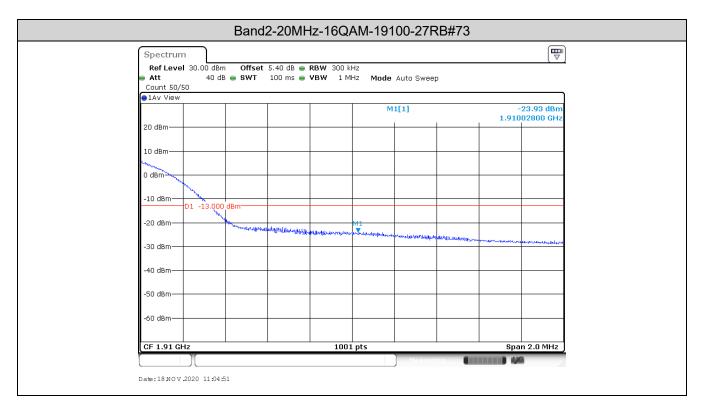
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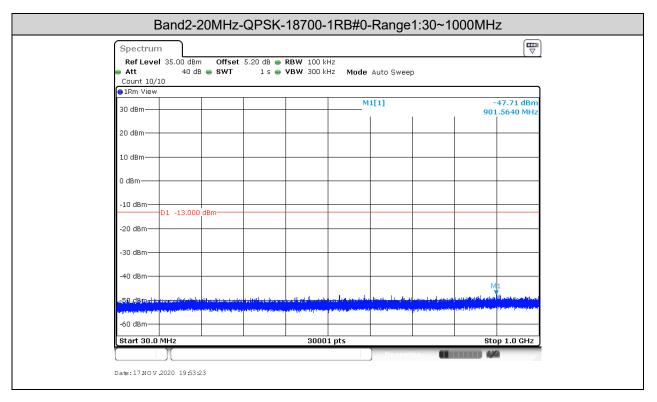
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Spurious Emission at Antenna Terminal

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**

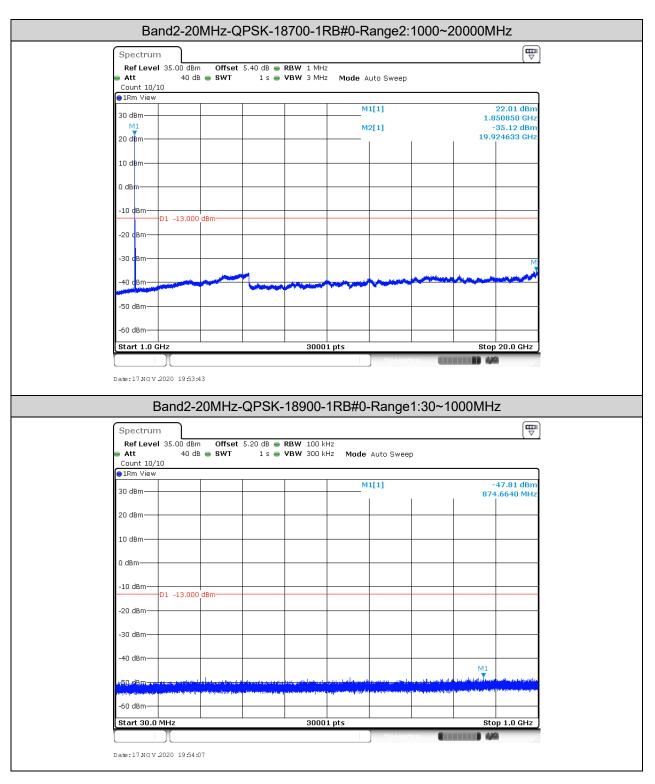






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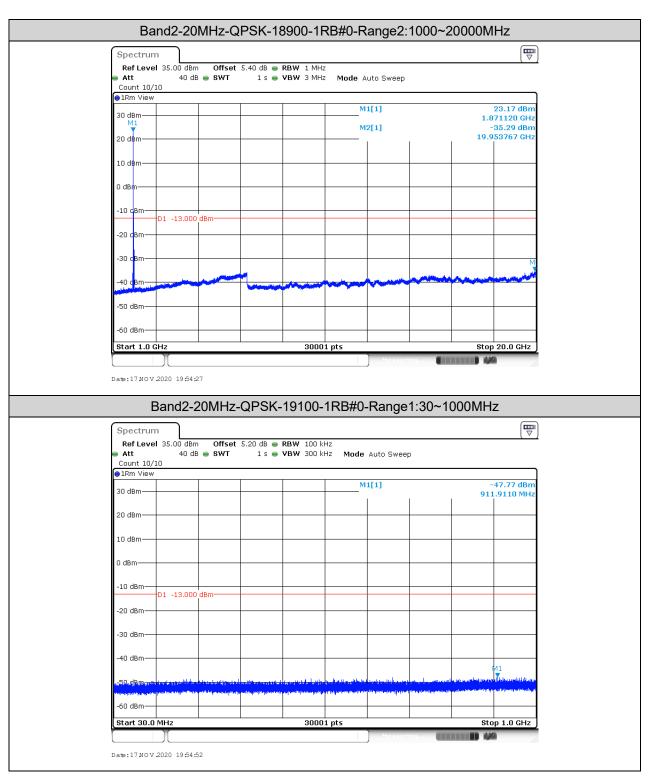
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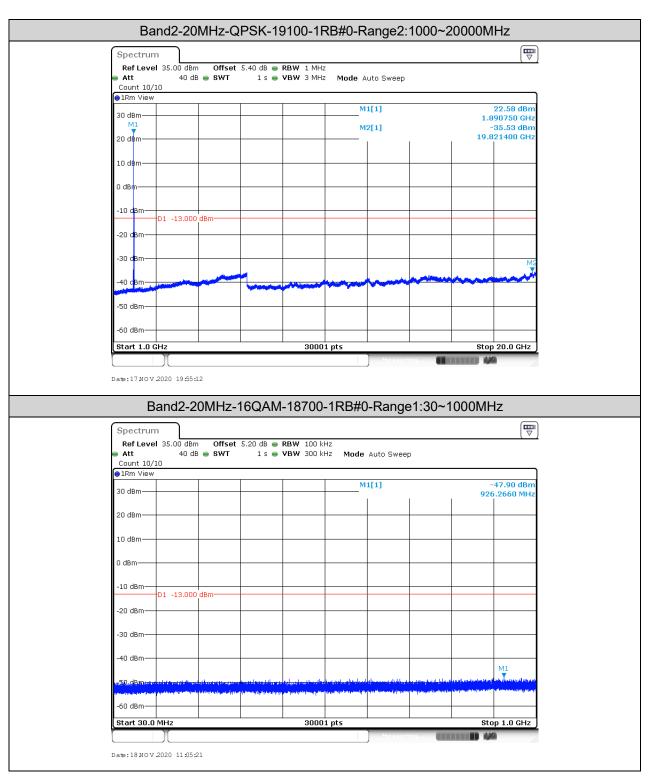
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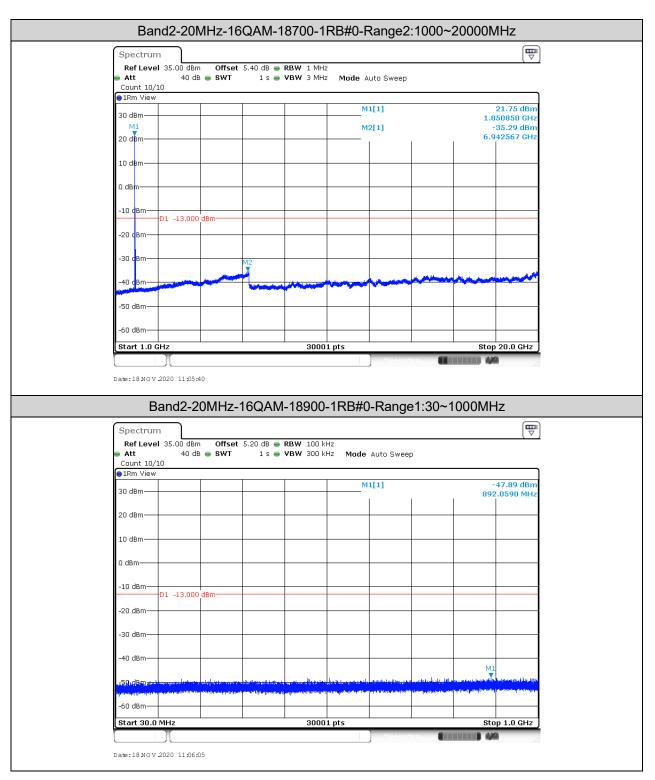
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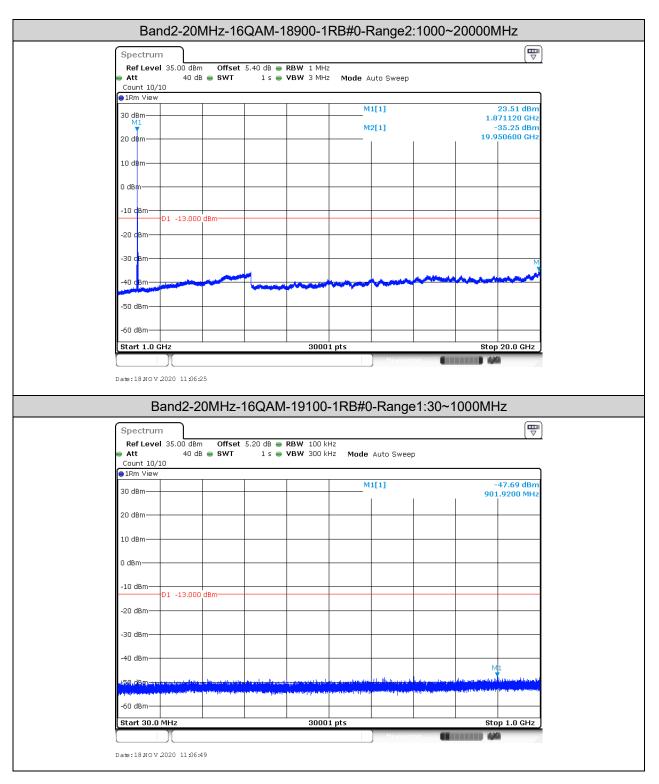
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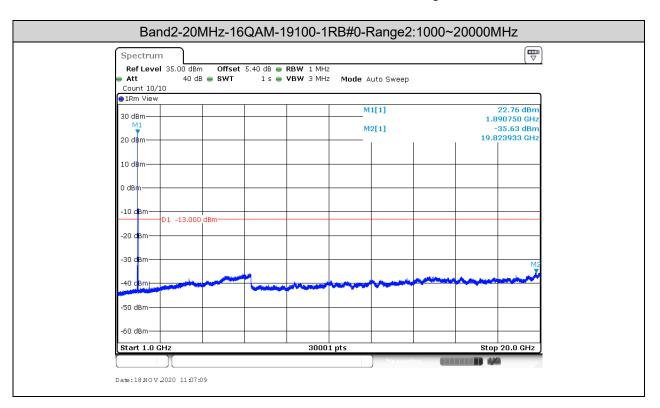
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7 Field Strength of Spurious Radiation

7.1 Test Mode =LTE/TM1 20MHz

7.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.1940	-62.77	-13.00	49.77	Vertical
77.8719	-58.44	-13.00	45.44	Vertical
377.8109	-67.85	-13.00	54.85	Vertical
3702.5234	-47.54	-13.00	34.54	Vertical
5553.0851	-56.31	-13.00	43.31	Vertical
17997.4999	-40.71	-13.00	27.71	Vertical
49.4010	-57.96	-13.00	44.96	Horizontal
119.4385	-67.26	-13.00	54.26	Horizontal
231.1396	-67.26	-13.00	54.26	Horizontal
3702.0234	-47.94	-13.00	34.94	Horizontal
5553.0851	-56.76	-13.00	43.76	Horizontal
16399.4466	-43.84	-13.00	30.84	Horizontal

7.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
30.3880	-64.10	-13.00	51.10	Vertical
119.2930	-60.93	-13.00	47.93	Vertical
427.2834	-67.28	-13.00	54.28	Vertical
3742.0247	-54.14	-13.00	41.14	Vertical
5613.5871	-56.22	-13.00	43.22	Vertical
17999.5000	-40.95	-13.00	27.95	Vertical
47.3154	-58.49	-13.00	45.49	Horizontal
120.9906	-67.03	-13.00	54.03	Horizontal
235.4563	-66.46	-13.00	53.46	Horizontal
3742.0247	-49.80	-13.00	36.80	Horizontal
5613.0871	-57.27	-13.00	44.27	Horizontal
16399.4466	-44.45	-13.00	31.45	Horizontal



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7.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
51.3896	-58.12	-13.00	45.12	Vertical
119.2445	-60.66	-13.00	47.66	Vertical
339.4940	-68.11	-13.00	55.11	Vertical
3782.0261	-56.39	-13.00	43.39	Vertical
5673.5891	-55.78	-13.00	42.78	Vertical
17999.5000	-40.84	-13.00	27.84	Vertical
48.0914	-58.19	-13.00	45.19	Horizontal
120.5540	-66.43	-13.00	53.43	Horizontal
237.0569	-66.79	-13.00	53.79	Horizontal
3782.5261	-52.23	-13.00	39.23	Horizontal
5673.0891	-56.88	-13.00	43.88	Horizontal
16386.9462	-44.54	-13.00	31.54	Horizontal

Remark:

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



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8 Frequency Stability

8.1 Frequency Vs Voltage

	Voltage										
Band	Bandwid th	Modulatio n	Channe I	RB Configure	Voltag e [Vdc]	Tempe rature (°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	-1.10	-0.000591	±2.5	PASS	
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	-0.50	-0.000269	±2.5	PASS	
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-3.40	-0.001809	±2.5	PASS	
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-2.80	-0.001489	±2.5	PASS	
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-3.20	-0.001702	±2.5	PASS	
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	-3.10	-0.001632	±2.5	PASS	
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-2.70	-0.001421	±2.5	PASS	
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-3.40	-0.001789	±2.5	PASS	
Band2	20MHz	16QAM	18700	27RB#0	VL	NT	0.40	0.000215	±2.5	PASS	
Band2	20MHz	16QAM	18700	27RB#0	VN	NT	0.20	0.000108	±2.5	PASS	
Band2	20MHz	16QAM	18700	27RB#0	VH	NT	-0.80	-0.000430	±2.5	PASS	
Band2	20MHz	16QAM	18900	27RB#0	VL	NT	-4.20	-0.002234	±2.5	PASS	
Band2	20MHz	16QAM	18900	27RB#0	VN	NT	-3.30	-0.001755	±2.5	PASS	
Band2	20MHz	16QAM	18900	27RB#0	VH	NT	-3.70	-0.001968	±2.5	PASS	
Band2	20MHz	16QAM	19100	27RB#0	VL	NT	-1.90	-0.001000	±2.5	PASS	
Band2	20MHz	16QAM	19100	27RB#0	VN	NT	-1.60	-0.000842	±2.5	PASS	
Band2	20MHz	16QAM	19100	27RB#0	VH	NT	-3.10	-0.001632	±2.5	PASS	

8.2 Frequency Vs Temperature

	Temperature											
Band	Bandwid th	Modulatio n	Channe I	RB Configure	Voltag e [Vdc]	Tempe rature (°ℂ)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict		
Band2	20MHz	QPSK	18700	100RB#0	NV	-30	2.80	0.001505	±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	-10	0.40	0.000215	±2.5	PASS		
Band2	20MHz	QPSK	18700	100RB#0	NV	0	1.20	0.000645	±2.5	PASS		
Band2	20MHz	QPSK	18700	100RB#0	NV	10	1.30	0.000699	±2.5	PASS		
Band2	20MHz	QPSK	18700	100RB#0	NV	20	0.10	0.000054	±2.5	PASS		
Band2	20MHz	QPSK	18700	100RB#0	NV	30	1.50	0.000806	±2.5	PASS		



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Band2	20MHz	QPSK	18700	100RB#0	NV	40	0.70	0.000376	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	0.70	0.000376	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-3.60	-0.001915	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-3.20	-0.001702	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-2.20	-0.001170	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-3.70	-0.001968	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-3.30	-0.001755	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-3.40	-0.001809	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-3.30	-0.001755	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-3.90	-0.002074	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-2.20	-0.001170	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-3.90	-0.002053	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	-3.20	-0.001684	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-10	-3.70	-0.001947	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	-4.00	-0.002105	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-4.70	-0.002474	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-2.40	-0.001263	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	-0.80	-0.000421	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	-3.40	-0.001789	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	-1.80	-0.000947	±2.5	PASS
Band2	20MHz	16QAM	18700	27RB#0	NV	-30	1.90	0.001022	±2.5	PASS
Band2	20MHz	16QAM	18700	27RB#0	NV	-20	0.20	0.000108	±2.5	PASS
Band2	20MHz	16QAM	18700	27RB#0	NV	-10	2.20	0.001183	±2.5	PASS
Band2	20MHz	16QAM	18700	27RB#0	NV	0	0.70	0.000376	±2.5	PASS
Band2	20MHz	16QAM	18700	27RB#0	NV	10	1.40	0.000753	±2.5	PASS
Band2	20MHz	16QAM	18700	27RB#0	NV	20	0.90	0.000484	±2.5	PASS
Band2	20MHz	16QAM	18700	27RB#0	NV	30	0.40	0.000215	±2.5	PASS
Band2	20MHz	16QAM	18700	27RB#0	NV	40	1.40	0.000753	±2.5	PASS
Band2	20MHz	16QAM	18700	27RB#0	NV	50	-0.20	-0.000108	±2.5	PASS
Band2	20MHz	16QAM	18900	27RB#0	NV	-30	-1.30	-0.000691	±2.5	PASS
Band2	20MHz	16QAM	18900	27RB#0	NV	-20	-2.80	-0.001489	±2.5	PASS
Band2	20MHz	16QAM	18900	27RB#0	NV	-10	-3.40	-0.001809	±2.5	PASS
Band2	20MHz	16QAM	18900	27RB#0	NV	0	-4.60	-0.002447	±2.5	PASS
Band2	20MHz	16QAM	18900	27RB#0	NV	10	-2.20	-0.001170	±2.5	PASS
Band2	20MHz	16QAM	18900	27RB#0	NV	20	-3.50	-0.001862	±2.5	PASS
Band2	20MHz	16QAM	18900	27RB#0	NV	30	-4.30	-0.002287	±2.5	PASS
Band2	20MHz	16QAM	18900	27RB#0	NV	40	-2.70	-0.001436	±2.5	PASS



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Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, **Company** **Company*** **Co

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Band2	20MHz	16QAM	18900	27RB#0	NV	50	-3.90	-0.002074	±2.5	PASS
Band2	20MHz	16QAM	19100	27RB#0	NV	-30	-3.00	-0.001579	±2.5	PASS
Band2	20MHz	16QAM	19100	27RB#0	NV	-20	-2.30	-0.001211	±2.5	PASS
Band2	20MHz	16QAM	19100	27RB#0	NV	-10	-3.80	-0.002000	±2.5	PASS
Band2	20MHz	16QAM	19100	27RB#0	NV	0	-2.90	-0.001526	±2.5	PASS
Band2	20MHz	16QAM	19100	27RB#0	NV	10	-1.40	-0.000737	±2.5	PASS
Band2	20MHz	16QAM	19100	27RB#0	NV	20	-2.10	-0.001105	±2.5	PASS
Band2	20MHz	16QAM	19100	27RB#0	NV	30	-3.20	-0.001684	±2.5	PASS
Band2	20MHz	16QAM	19100	27RB#0	NV	40	-3.90	-0.002053	±2.5	PASS
Band2	20MHz	16QAM	19100	27RB#0	NV	50	-3.30	-0.001737	±2.5	PASS

The End

