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Appendix B.3

LTE Band 2



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	23.72	24.02	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.87	24.17	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.69	23.99	33	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.83	23.13	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.76	24.06	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.87	24.17	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.76	24.06	33	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.92	23.22	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.71	24.01	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.83	24.13	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.7	24	33	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.82	23.12	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	23.04	23.34	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	23.15	23.45	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	23.06	23.36	33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.89	22.19	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	23	23.3	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	23.13	23.43	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	23.09	23.39	33	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.99	22.29	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.95	23.25	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	23.17	23.47	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	23	23.3	33	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.88	22.18	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	21.87	22.17	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#2	21.28	21.58	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#5	21.92	22.22	33	PASS



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	1	T	1	7	Page:	3 01 6	00	
Band2	1.4MHz	64QAM	18607	6RB#0	20.82	21.12	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	21.91	22.21	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#2	22.11	22.41	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#5	21.97	22.27	33	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	20.87	21.17	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	21.85	22.15	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#2	22.03	22.33	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#5	21.88	22.18	33	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	20.8	21.1	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.73	24.03	33	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.46	23.76	33	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.74	24.04	33	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.77	23.07	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.81	24.11	33	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.79	24.09	33	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.78	24.08	33	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.88	23.18	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.73	24.03	33	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.73	24.03	33	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.71	24.01	33	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.8	23.1	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	23.03	23.33	33	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.94	23.24	33	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.97	23.27	33	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.79	22.09	33	PASS
Band2	3MHz	16QAM	18900	1RB#0	23.02	23.32	33	PASS
Band2	3MHz	16QAM	18900	1RB#8	23.06	23.36	33	PASS
Band2	3MHz	16QAM	18900	1RB#14	23.1	23.4	33	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.86	22.16	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	23.02	23.32	33	PASS
Band2	3MHz	16QAM	19185	1RB#8	23.05	23.35	33	PASS
Band2	3MHz	16QAM	19185	1RB#14	23.04	23.34	33	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.81	22.11	33	PASS



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Band2	3MHz	64QAM	18615	1RB#0	21.88	22.18	33	PASS
Band2	3MHz	64QAM	18615	1RB#8	21.89	22.19	33	PASS
Band2	3MHz	64QAM	18615	1RB#14	21.29	21.59	33	PASS
Band2	3MHz	64QAM	18615	15RB#0	20.77	21.07	33	PASS
Band2	3MHz	64QAM	18900	1RB#0	21.93	22.23	33	PASS
Band2	3MHz	64QAM	18900	1RB#8	21.95	22.25	33	PASS
Band2	3MHz	64QAM	18900	1RB#14	22.03	22.33	33	PASS
Band2	3MHz	64QAM	18900	15RB#0	20.83	21.13	33	PASS
Band2	3MHz	64QAM	19185	1RB#0	21.9	22.2	33	PASS
Band2	3MHz	64QAM	19185	1RB#8	21.93	22.23	33	PASS
Band2	3MHz	64QAM	19185	1RB#14	21.86	22.16	33	PASS
Band2	3MHz	64QAM	19185	15RB#0	20.79	21.09	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.62	23.92	33	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.87	24.17	33	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.61	23.91	33	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.78	23.08	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.72	24.02	33	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.94	24.24	33	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.71	24.01	33	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.9	23.2	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.65	23.95	33	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.91	24.21	33	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.56	23.86	33	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.85	23.15	33	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.93	23.23	33	PASS
Band2	5MHz	16QAM	18625	1RB#12	23.18	23.48	33	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.86	23.16	33	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.79	22.09	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.94	23.24	33	PASS
Band2	5MHz	16QAM	18900	1RB#12	23.24	23.54	33	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.92	23.22	33	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.88	22.18	33	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.92	23.22	33	PASS



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Band2	5MHz	16QAM	19175	1RB#12	23.2	23.5	33	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.67	22.97	33	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.81	22.11	33	PASS
Band2	5MHz	64QAM	18625	1RB#0	21.9	22.2	33	PASS
Band2	5MHz	64QAM	18625	1RB#12	22.12	22.42	33	PASS
Band2	5MHz	64QAM	18625	1RB#24	21.78	22.08	33	PASS
Band2	5MHz	64QAM	18625	25RB#0	20.78	21.08	33	PASS
Band2	5MHz	64QAM	18900	1RB#0	21.84	22.14	33	PASS
Band2	5MHz	64QAM	18900	1RB#12	22.12	22.42	33	PASS
Band2	5MHz	64QAM	18900	1RB#24	21.84	22.14	33	PASS
Band2	5MHz	64QAM	18900	25RB#0	20.88	21.18	33	PASS
Band2	5MHz	64QAM	19175	1RB#0	21.85	22.15	33	PASS
Band2	5MHz	64QAM	19175	1RB#12	22.13	22.43	33	PASS
Band2	5MHz	64QAM	19175	1RB#24	21.73	22.03	33	PASS
Band2	5MHz	64QAM	19175	25RB#0	20.84	21.14	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.69	23.99	33	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.84	24.14	33	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.68	23.98	33	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.87	23.17	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.72	24.02	33	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.92	24.22	33	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.77	24.07	33	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.94	23.24	33	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.7	24	33	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.88	24.18	33	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.7	24	33	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.93	23.23	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	23.02	23.32	33	PASS
Band2	10MHz	16QAM	18650	1RB#24	23.05	23.35	33	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.94	23.24	33	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.84	22.14	33	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.95	23.25	33	PASS
Band2	10MHz	16QAM	18900	1RB#24	23.12	23.42	33	PASS



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Band2	10MHz	16QAM	18900	1RB#49	23.07	23.37	33	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.93	22.23	33	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.88	23.18	33	PASS
Band2	10MHz	16QAM	19150	1RB#24	23.1	23.4	33	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.76	23.06	33	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.91	22.21	33	PASS
Band2	10MHz	64QAM	18650	1RB#0	21.93	22.23	33	PASS
Band2	10MHz	64QAM	18650	1RB#24	22.01	22.31	33	PASS
Band2	10MHz	64QAM	18650	1RB#49	21.69	21.99	33	PASS
Band2	10MHz	64QAM	18650	50RB#0	20.84	21.14	33	PASS
Band2	10MHz	64QAM	18900	1RB#0	21.9	22.2	33	PASS
Band2	10MHz	64QAM	18900	1RB#24	22.11	22.41	33	PASS
Band2	10MHz	64QAM	18900	1RB#49	21.97	22.27	33	PASS
Band2	10MHz	64QAM	18900	50RB#0	20.9	21.2	33	PASS
Band2	10MHz	64QAM	19150	1RB#0	21.88	22.18	33	PASS
Band2	10MHz	64QAM	19150	1RB#24	22.09	22.39	33	PASS
Band2	10MHz	64QAM	19150	1RB#49	21.9	22.2	33	PASS
Band2	10MHz	64QAM	19150	50RB#0	20.89	21.19	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.13	23.43	33	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.74	24.04	33	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.67	23.97	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.82	23.12	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.64	23.94	33	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.79	24.09	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.68	23.98	33	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.92	23.22	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.6	23.9	33	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.73	24.03	33	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.63	23.93	33	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.81	23.11	33	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.9	23.2	33	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.93	23.23	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.96	23.26	33	PASS



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Band2	15MHz	16QAM	18675	75RB#0	21.81	22.11	33	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.82	23.12	33	PASS
Band2	15MHz	16QAM	18900	1RB#38	23.02	23.32	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.99	23.29	33	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.9	22.2	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.83	23.13	33	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.98	23.28	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.66	22.96	33	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.8	22.1	33	PASS
Band2	15MHz	64QAM	18675	1RB#0	21.8	22.1	33	PASS
Band2	15MHz	64QAM	18675	1RB#38	21.9	22.2	33	PASS
Band2	15MHz	64QAM	18675	1RB#74	21.63	21.93	33	PASS
Band2	15MHz	64QAM	18675	75RB#0	20.78	21.08	33	PASS
Band2	15MHz	64QAM	18900	1RB#0	21.83	22.13	33	PASS
Band2	15MHz	64QAM	18900	1RB#38	21.98	22.28	33	PASS
Band2	15MHz	64QAM	18900	1RB#74	21.91	22.21	33	PASS
Band2	15MHz	64QAM	18900	75RB#0	20.82	21.12	33	PASS
Band2	15MHz	64QAM	19125	1RB#0	21.81	22.11	33	PASS
Band2	15MHz	64QAM	19125	1RB#38	21.96	22.26	33	PASS
Band2	15MHz	64QAM	19125	1RB#74	21.75	22.05	33	PASS
Band2	15MHz	64QAM	19125	75RB#0	20.79	21.09	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.18	23.48	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.77	24.07	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.51	23.81	33	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.78	23.08	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.47	23.77	33	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.87	24.17	33	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.5	23.8	33	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.89	23.19	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.48	23.78	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.76	24.06	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.48	23.78	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.76	23.06	33	PASS



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					ı aye.	0 01 0	,,,	
Band2	20MHz	16QAM	18700	1RB#0	22.76	23.06	33	PASS
Band2	20MHz	16QAM	18700	1RB#49	23.09	23.39	33	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.82	23.12	33	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.75	22.05	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.65	22.95	33	PASS
Band2	20MHz	16QAM	18900	1RB#49	23.21	23.51	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.87	23.17	33	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.87	22.17	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.74	23.04	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	23.03	23.33	33	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.26	22.56	33	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.74	22.04	33	PASS
Band2	20MHz	64QAM	18700	1RB#0	21.65	21.95	33	PASS
Band2	20MHz	64QAM	18700	1RB#49	21.94	22.24	33	PASS
Band2	20MHz	64QAM	18700	1RB#99	21.73	22.03	33	PASS
Band2	20MHz	64QAM	18700	100RB#0	20.76	21.06	33	PASS
Band2	20MHz	64QAM	18900	1RB#0	21.67	21.97	33	PASS
Band2	20MHz	64QAM	18900	1RB#49	22.03	22.33	33	PASS
Band2	20MHz	64QAM	18900	1RB#99	21.73	22.03	33	PASS
Band2	20MHz	64QAM	18900	100RB#0	20.86	21.16	33	PASS
Band2	20MHz	64QAM	19100	1RB#0	21.69	21.99	33	PASS
Band2	20MHz	64QAM	19100	1RB#49	21.96	22.26	33	PASS
Band2	20MHz	64QAM	19100	1RB#99	21.35	21.65	33	PASS
Band2	20MHz	64QAM	19100	100RB#0	20.74	21.04	33	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	5.36	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.18	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.18	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.12	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.98	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.98	13	PASS
Band2	20MHz	64QAM	18700	100RB#0	6.48	13	PASS
Band2	20MHz	64QAM	18900	100RB#0	6.30	13	PASS
Band2	20MHz	64QAM	19100	100RB#0	6.28	13	PASS



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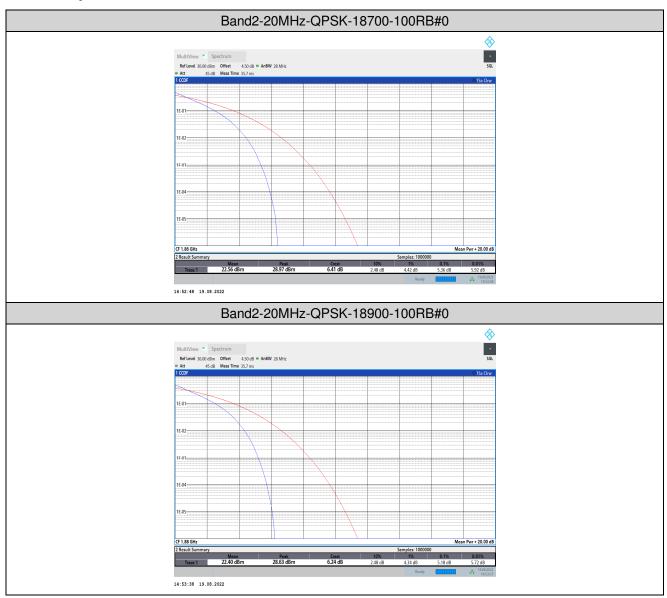


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Test Graphs





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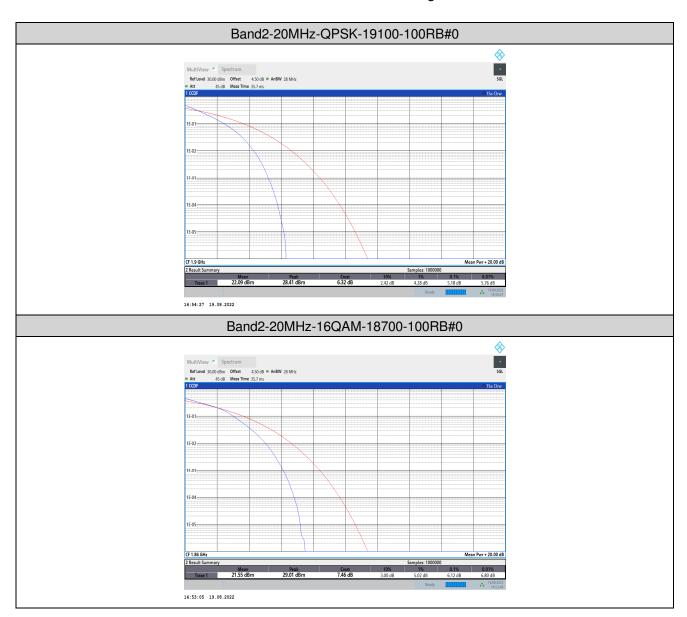
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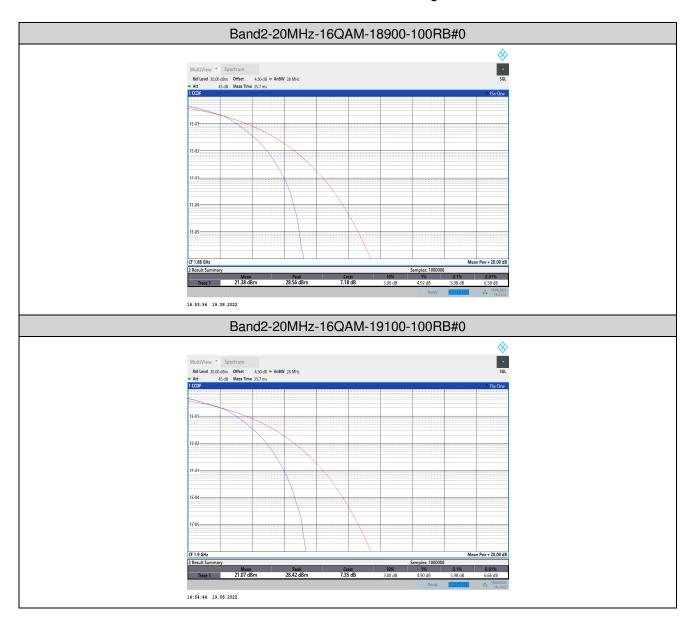
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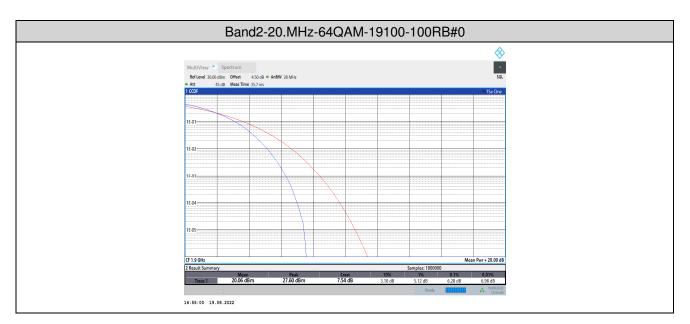
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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band2	20MHz	QPSK	18900	100RB#0	PASS	PASS
Band2	20MHz	16QAM	18900	100RB#0	PASS	PASS
Band2	20MHz	64QAM	18900	100RB#0	PASS	PASS



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Test Graphs





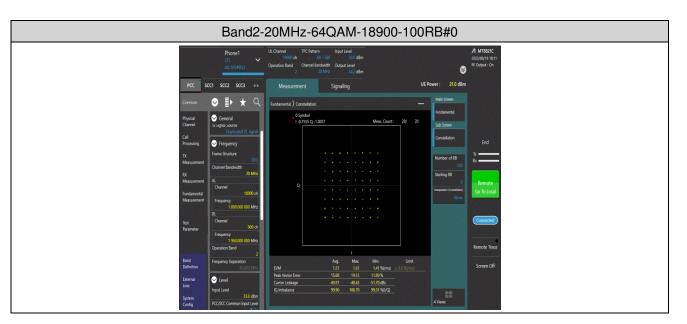
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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.085	1.28	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.085	1.28	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.085	1.28	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.096	1.31	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.098	1.31	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.097	1.31	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	1.096	1.31	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	1.096	1.31	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	1.096	1.31	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.683	2.89	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.685	2.89	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.689	2.92	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.677	2.90	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.678	2.92	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.681	2.90	PASS
Band2	3MHz	64QAM	18615	15RB#0	2.68	2.90	PASS
Band2	3MHz	64QAM	18900	15RB#0	2.683	2.89	PASS
Band2	3MHz	64QAM	19185	15RB#0	2.682	2.89	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.471	5.02	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.479	5.04	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.475	5.04	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.471	5.04	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.474	5.06	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.475	5.05	PASS
Band2	5MHz	64QAM	18625	25RB#0	4.485	5.03	PASS
Band2	5MHz	64QAM	18900	25RB#0	4.486	5.04	PASS
Band2	5MHz	64QAM	19175	25RB#0	4.493	5.04	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.955	9.86	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.945	9.82	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.946	9.82	PASS



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10MHz 10MHz	16QAM	18650	50RB#0	8.93	9.82	PASS
10MHz			00:12:10	0.50	9.02	PASS
	16QAM	18900	50RB#0	8.924	9.82	PASS
10MHz	16QAM	19150	50RB#0	8.924	9.74	PASS
10MHz	64QAM	18650	50RB#0	8.952	9.78	PASS
10MHz	64QAM	18900	50RB#0	8.944	9.86	PASS
10MHz	64QAM	19150	50RB#0	8.948	10.12	PASS
15MHz	QPSK	18675	75RB#0	13.52	15.72	PASS
15MHz	QPSK	18900	75RB#0	13.501	15.06	PASS
15MHz	QPSK	19125	75RB#0	13.482	15.00	PASS
15MHz	16QAM	18675	75RB#0	13.509	15.27	PASS
15MHz	16QAM	18900	75RB#0	13.502	15.24	PASS
15MHz	16QAM	19125	75RB#0	13.461	15.12	PASS
15MHz	64QAM	18675	75RB#0	13.485	15.09	PASS
15MHz	64QAM	18900	75RB#0	13.441	15.12	PASS
15MHz	64QAM	19125	75RB#0	13.428	15.15	PASS
20MHz	QPSK	18700	100RB#0	17.975	19.88	PASS
20MHz	QPSK	18900	100RB#0	17.943	19.80	PASS
20MHz	QPSK	19100	100RB#0	17.887	19.72	PASS
20MHz	16QAM	18700	100RB#0	17.927	19.60	PASS
20MHz	16QAM	18900	100RB#0	17.925	19.76	PASS
20MHz	16QAM	19100	100RB#0	17.862	19.52	PASS
20MHz	64QAM	18700	100RB#0	17.918	19.68	PASS
20MHz	64QAM	18900	100RB#0	17.898	19.68	PASS
20MHz	64QAM	19100	100RB#0	17.857	19.68	PASS
	10MHz 10MHz 10MHz 110MHz 15MHz 15MHz 15MHz 15MHz 15MHz 15MHz 15MHz 20MHz	10MHz 64QAM 10MHz 64QAM 10MHz 64QAM 15MHz QPSK 15MHz QPSK 15MHz 16QAM 15MHz 16QAM 15MHz 16QAM 15MHz 64QAM 15MHz 64QAM 15MHz 64QAM 20MHz QPSK 20MHz QPSK 20MHz QPSK 20MHz QPSK 20MHz 16QAM 20MHz 16QAM 20MHz 16QAM 20MHz 16QAM 20MHz 16QAM 20MHz 16QAM 20MHz 16QAM 20MHz 16QAM 20MHz 16QAM	10MHz 64QAM 18650 10MHz 64QAM 18900 10MHz 64QAM 19150 15MHz QPSK 18675 15MHz QPSK 18900 15MHz QPSK 19125 15MHz 16QAM 18675 15MHz 16QAM 19125 15MHz 64QAM 18675 15MHz 64QAM 18900 15MHz 64QAM 19125 20MHz QPSK 18700 20MHz QPSK 19100 20MHz 16QAM 18700 20MHz 16QAM 18900 20MHz 16QAM 19100 20MHz 16QAM 18700 20MHz 64QAM 18700 20MHz 64QAM 18700 20MHz 64QAM 18900	10MHz 64QAM 18650 50RB#0 10MHz 64QAM 18900 50RB#0 10MHz 64QAM 19150 50RB#0 15MHz QPSK 18675 75RB#0 15MHz QPSK 18900 75RB#0 15MHz 16QAM 18675 75RB#0 15MHz 16QAM 18900 75RB#0 15MHz 16QAM 19125 75RB#0 15MHz 16QAM 18675 75RB#0 15MHz 64QAM 18675 75RB#0 15MHz 64QAM 18675 75RB#0 15MHz 64QAM 18900 75RB#0 15MHz 64QAM 19125 75RB#0 15MHz 64QAM 19125 75RB#0 20MHz QPSK 18900 100RB#0 20MHz 16QAM 18700 100RB#0 20MHz 16QAM 18900 100RB#0 20MHz 64QAM 18700 100RB#0 20MHz<	10MHz 64QAM 18650 50RB#0 8.952 10MHz 64QAM 18900 50RB#0 8.944 10MHz 64QAM 19150 50RB#0 8.948 15MHz QPSK 18675 75RB#0 13.52 15MHz QPSK 18900 75RB#0 13.501 15MHz QPSK 19125 75RB#0 13.509 15MHz 16QAM 18675 75RB#0 13.509 15MHz 16QAM 18900 75RB#0 13.461 15MHz 16QAM 19125 75RB#0 13.485 15MHz 16QAM 18675 75RB#0 13.485 15MHz 64QAM 18675 75RB#0 13.441 15MHz 64QAM 18900 75RB#0 13.428 20MHz QPSK 18700 100RB#0 17.975 20MHz QPSK 18900 100RB#0 17.887 20MHz 16QAM 18700 100RB#0 17.927	10MHz 64QAM 18650 50RB#0 8.952 9.78 10MHz 64QAM 18900 50RB#0 8.944 9.86 10MHz 64QAM 19150 50RB#0 8.948 10.12 15MHz QPSK 18675 75RB#0 13.52 15.72 15MHz QPSK 18900 75RB#0 13.501 15.06 15MHz QPSK 19125 75RB#0 13.502 15.27 15MHz 16QAM 18675 75RB#0 13.509 15.27 15MHz 16QAM 18900 75RB#0 13.502 15.24 15MHz 16QAM 19125 75RB#0 13.461 15.12 15MHz 64QAM 18675 75RB#0 13.485 15.09 15MHz 64QAM 18675 75RB#0 13.441 15.12 15MHz 64QAM 18900 75RB#0 13.428 15.15 15MHz 64QAM 19105 75RB#0 13.428 15.15 </td



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Test Graphs





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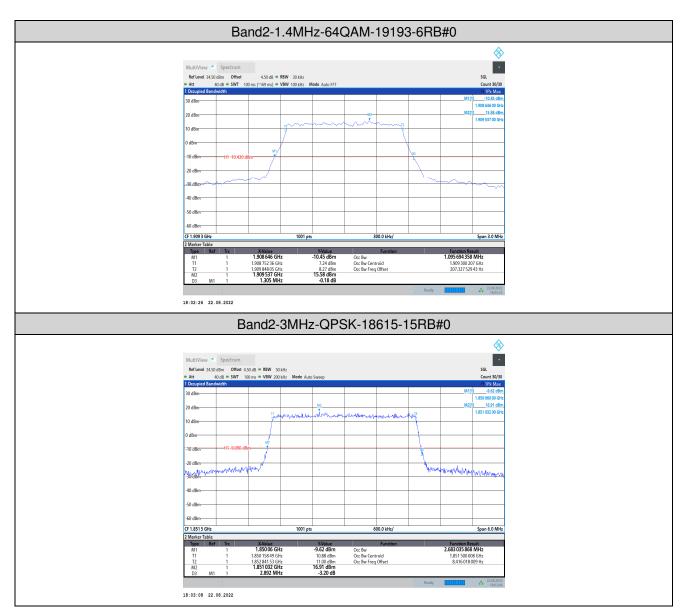
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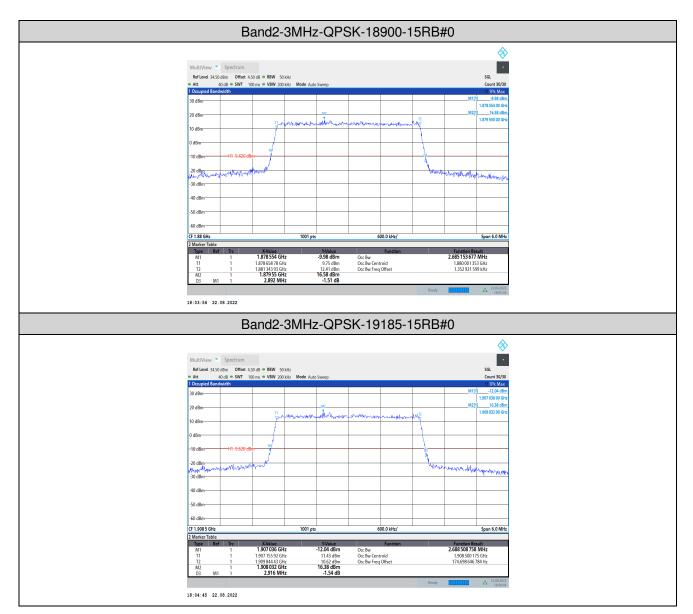
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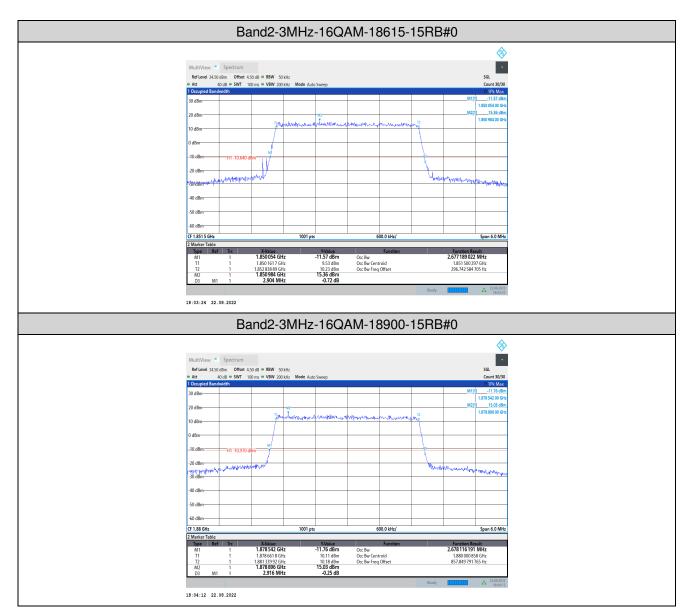
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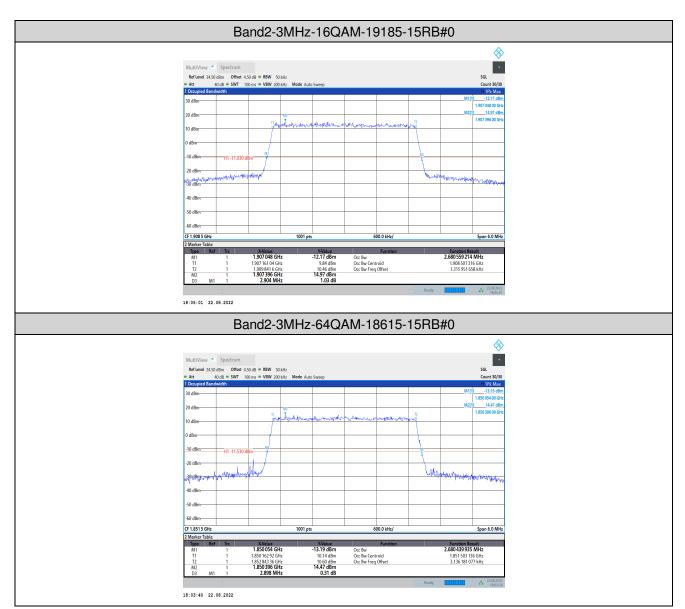
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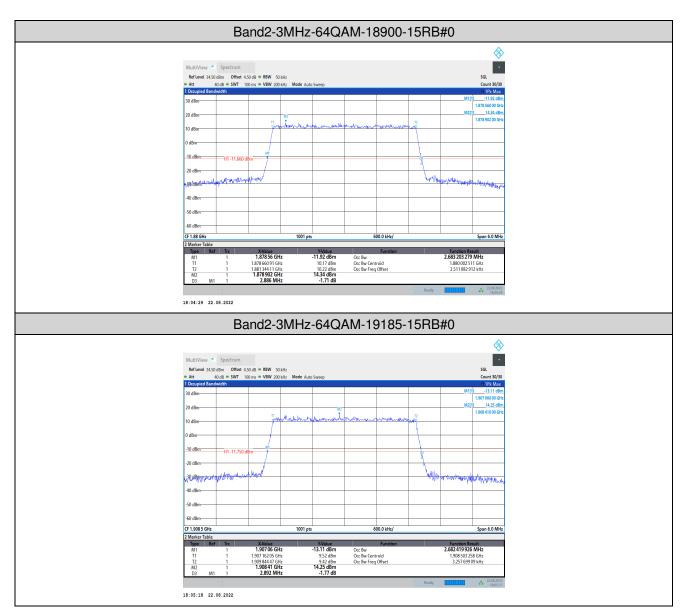
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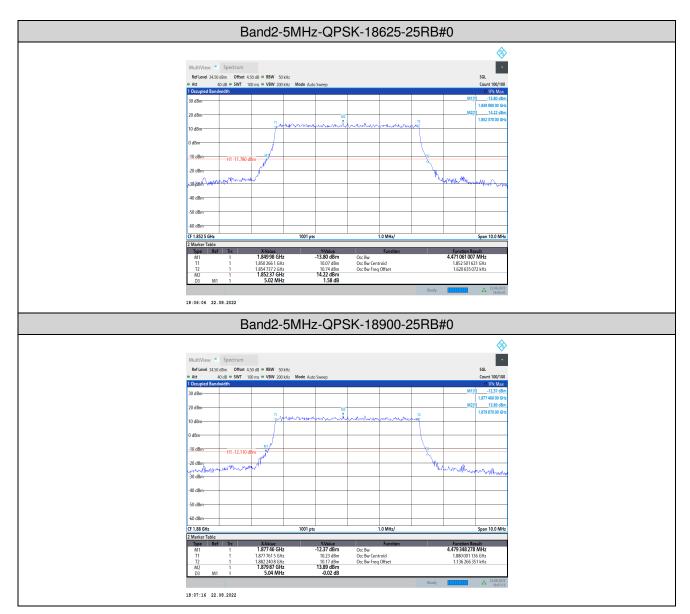
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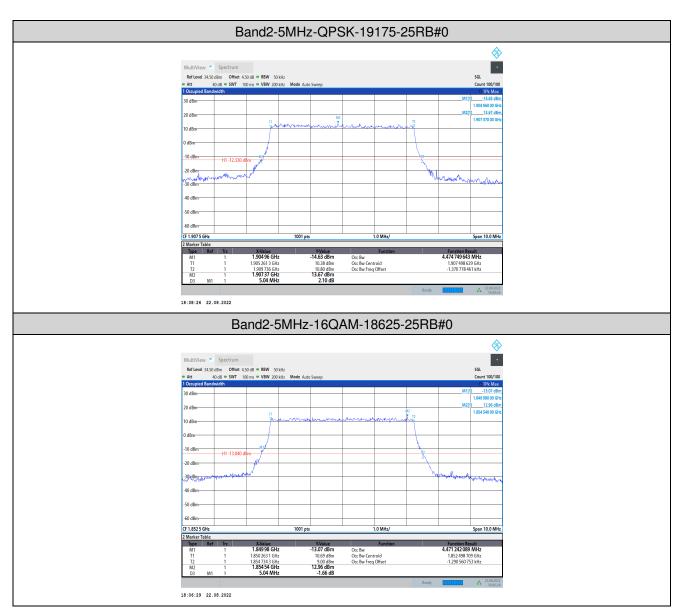
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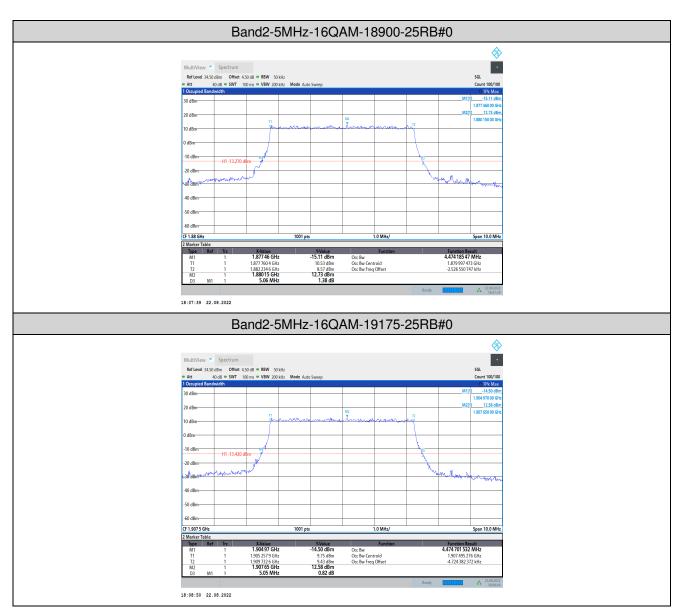
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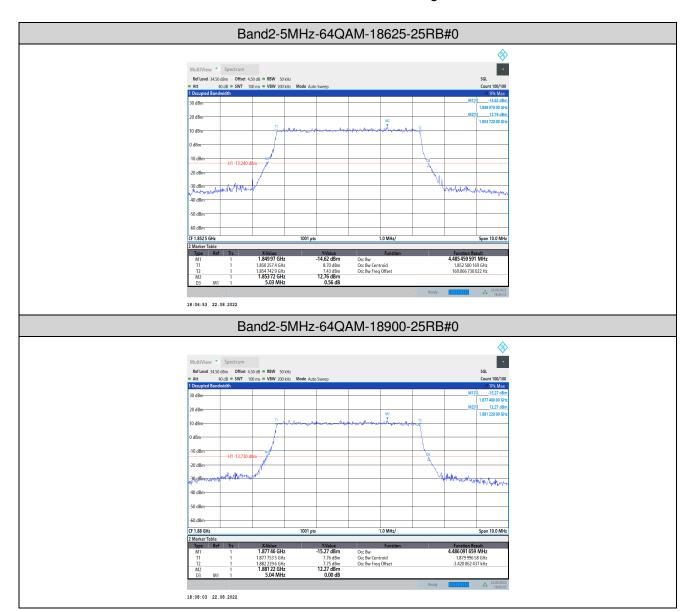
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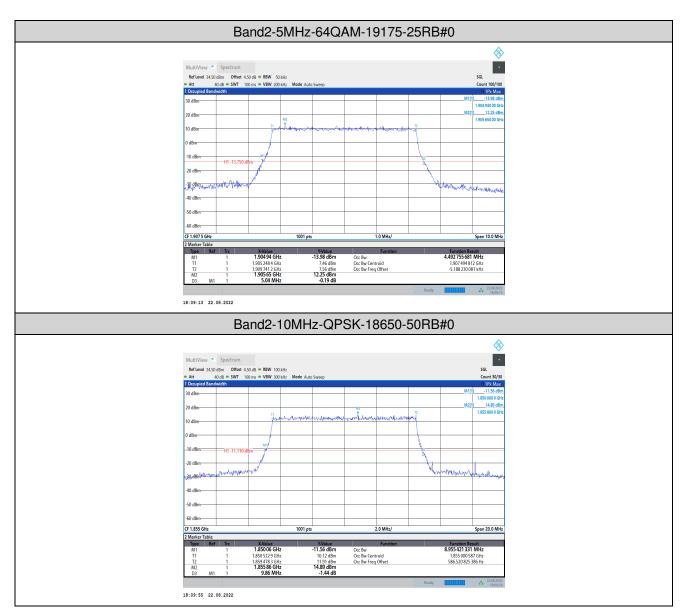
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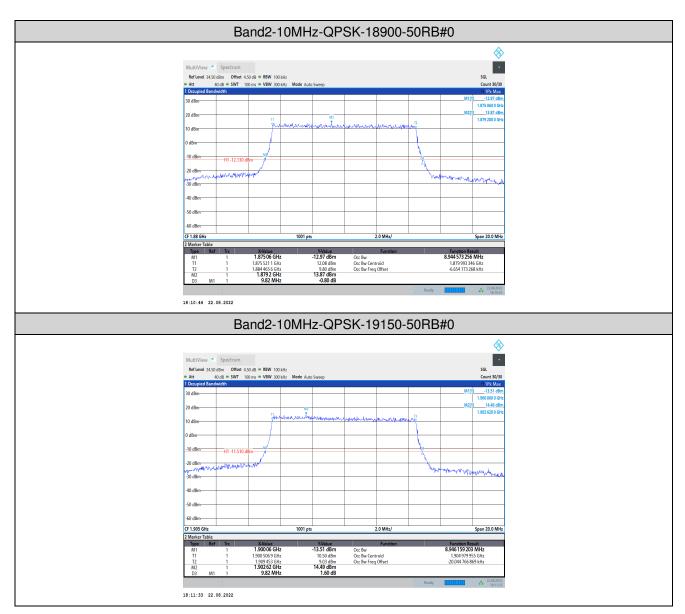
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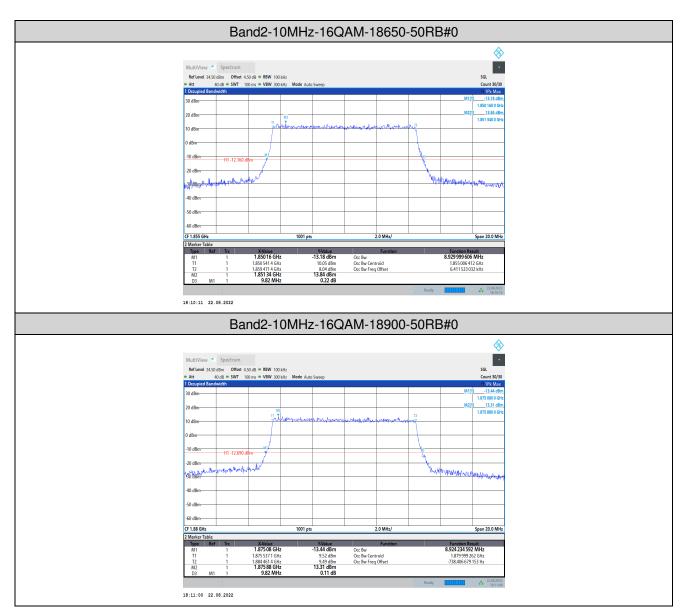
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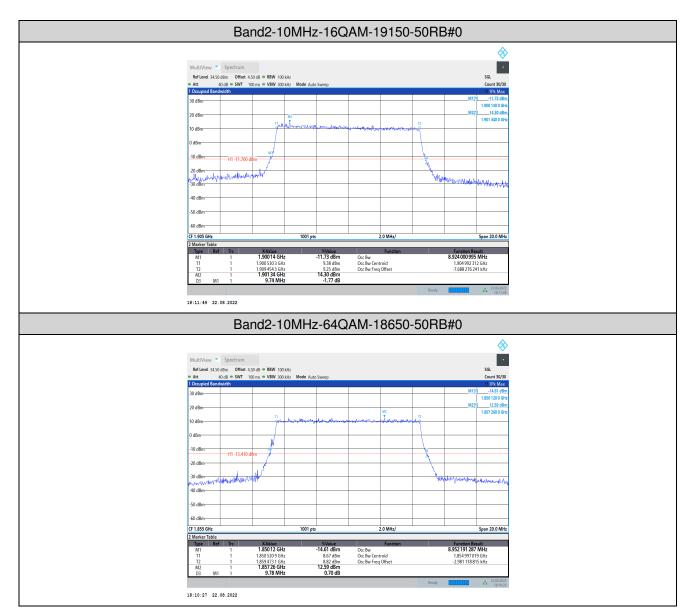
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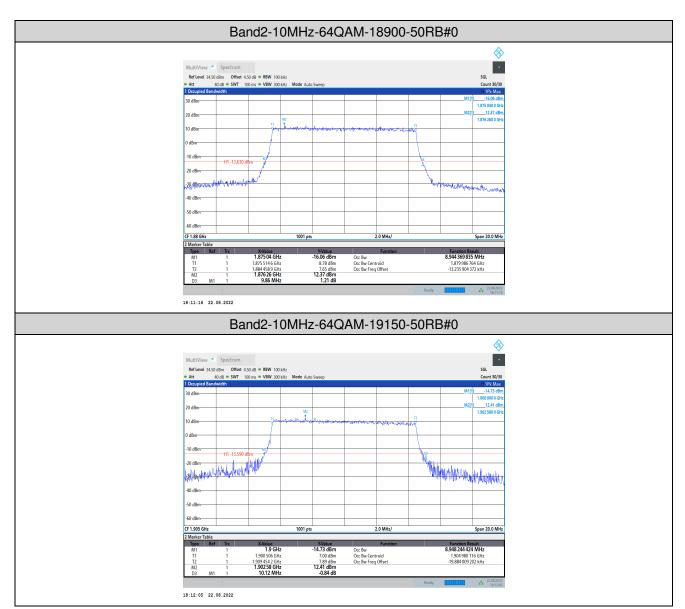
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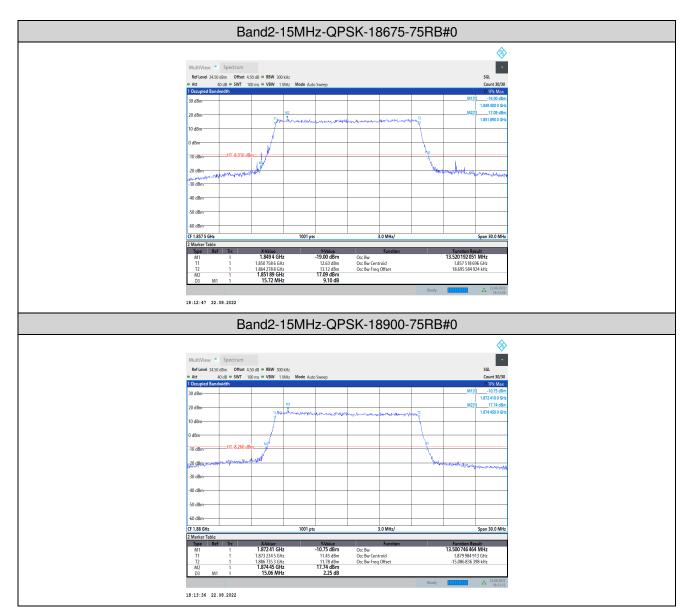
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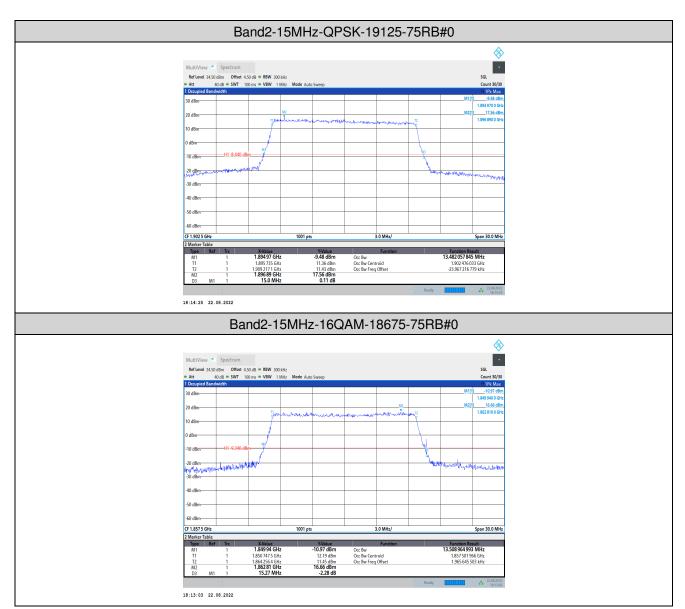
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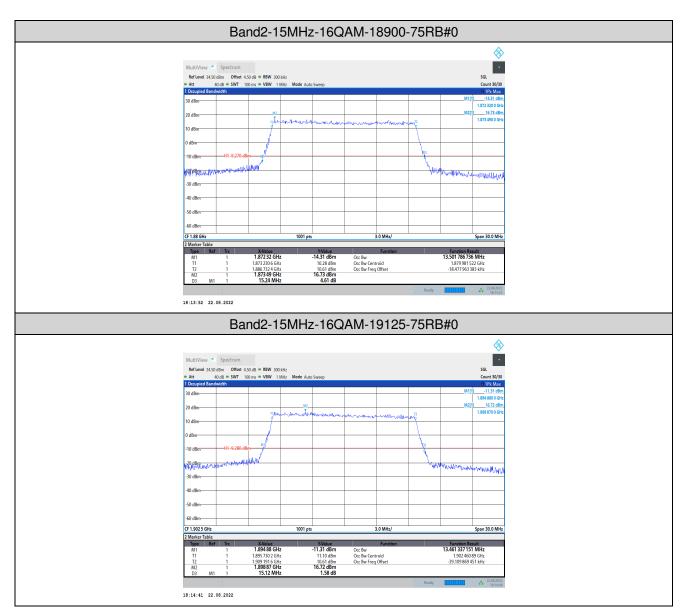
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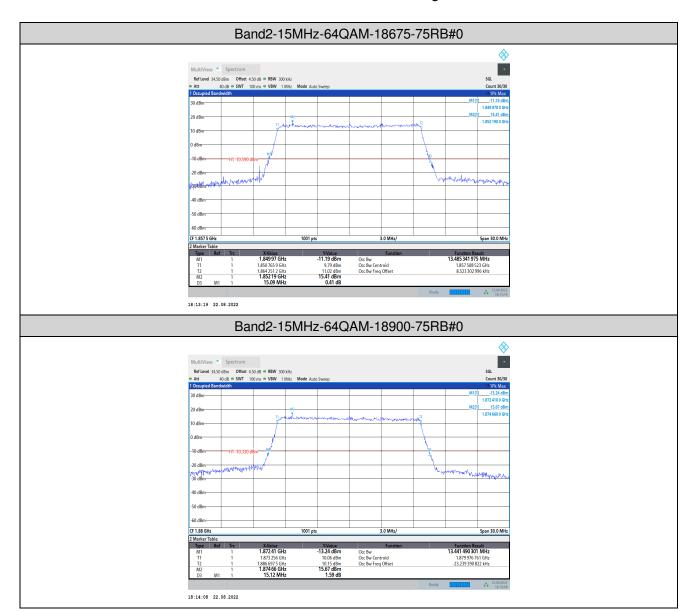
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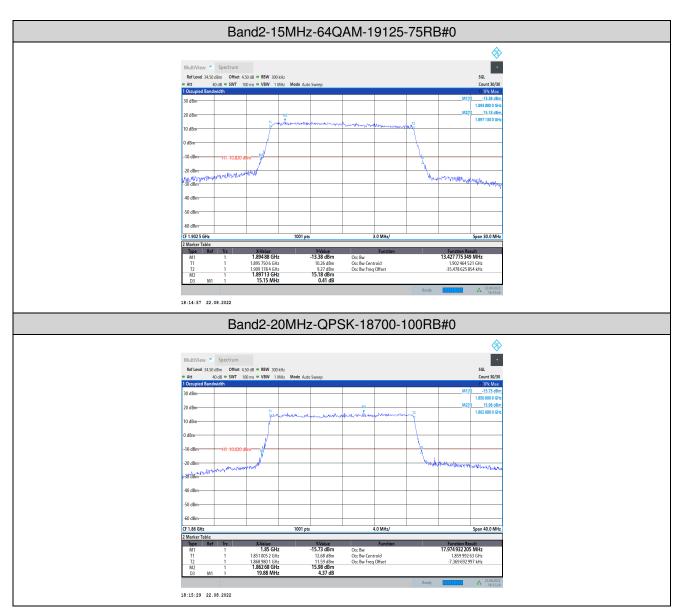
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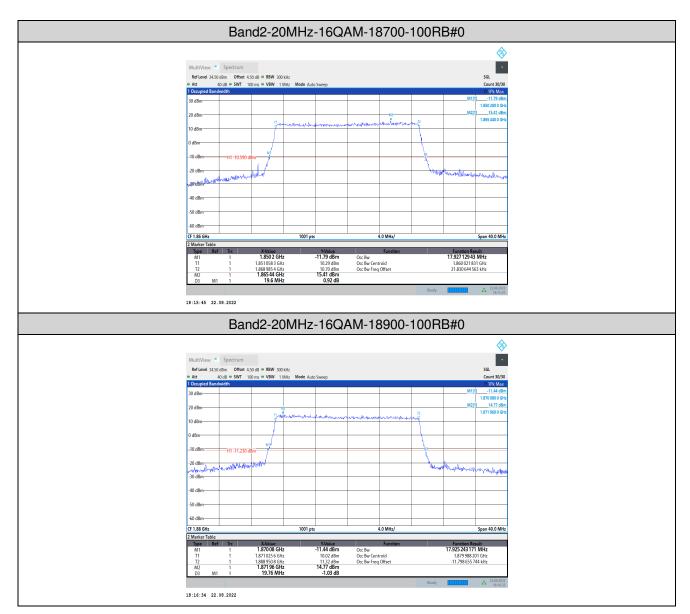
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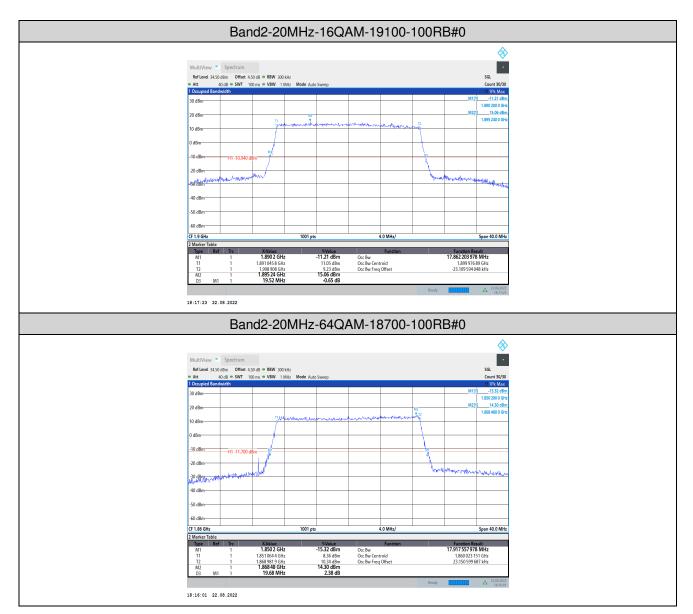
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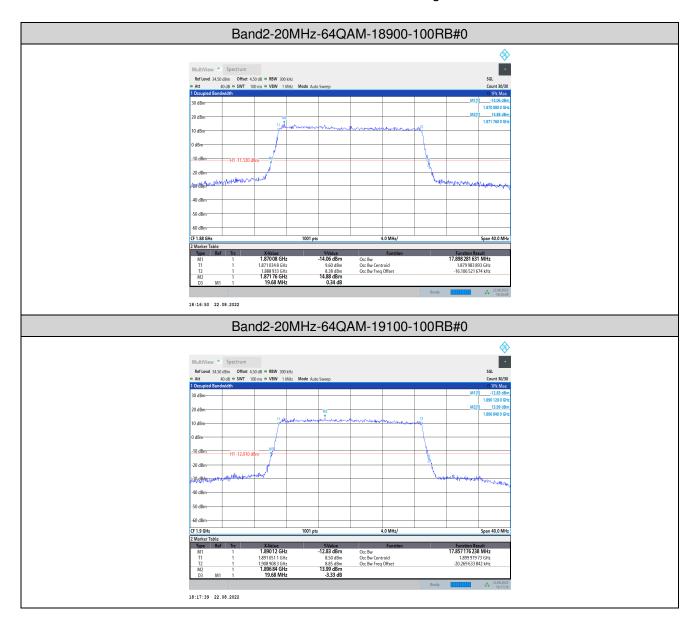
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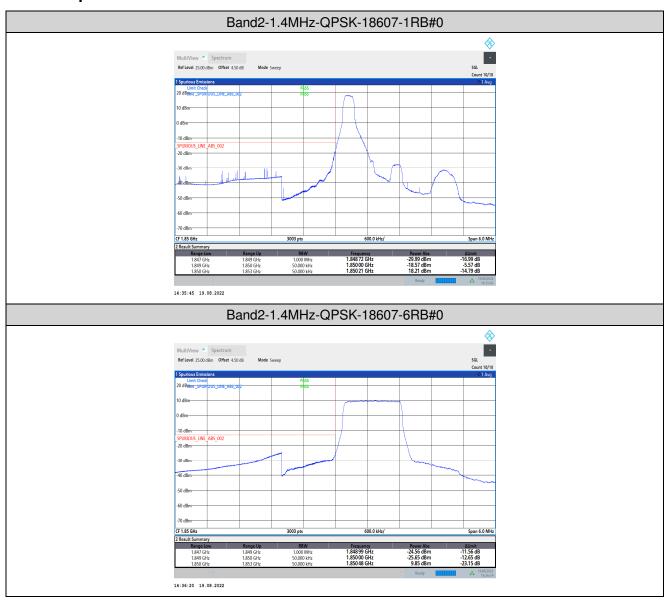
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Band Edge

Test Graphs





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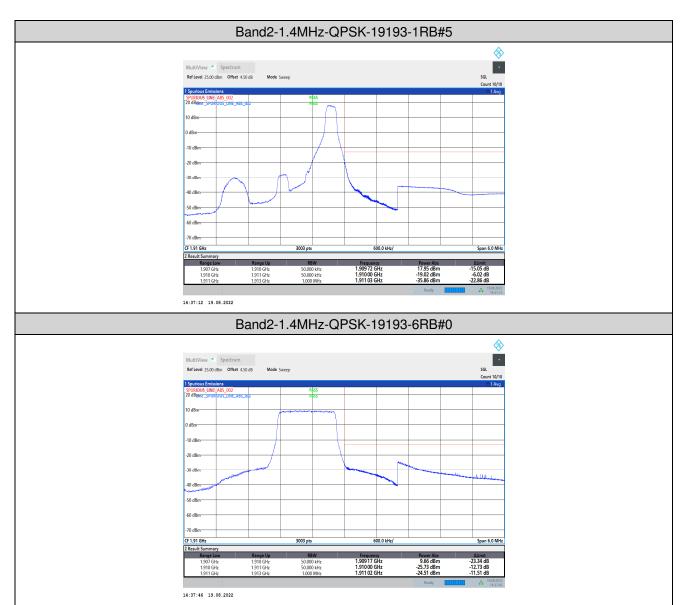
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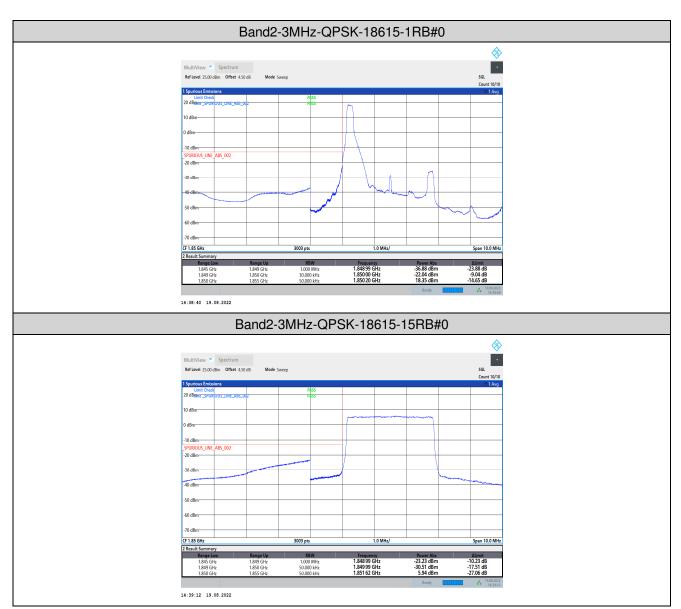
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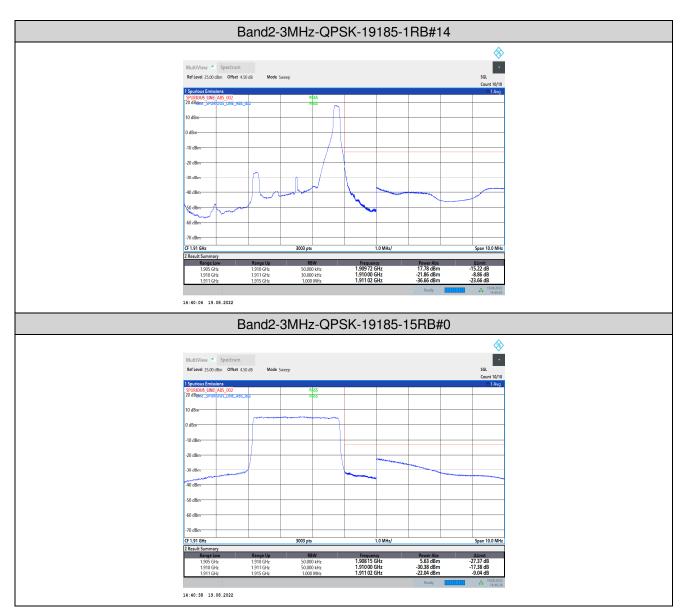
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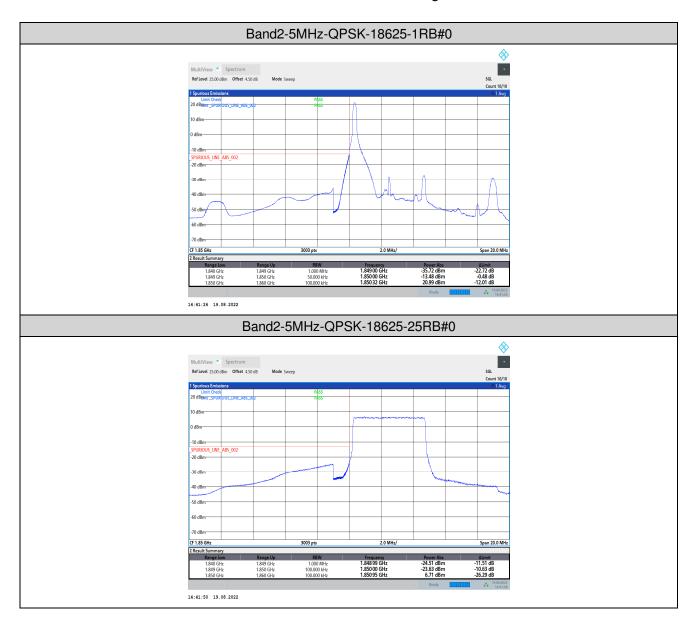
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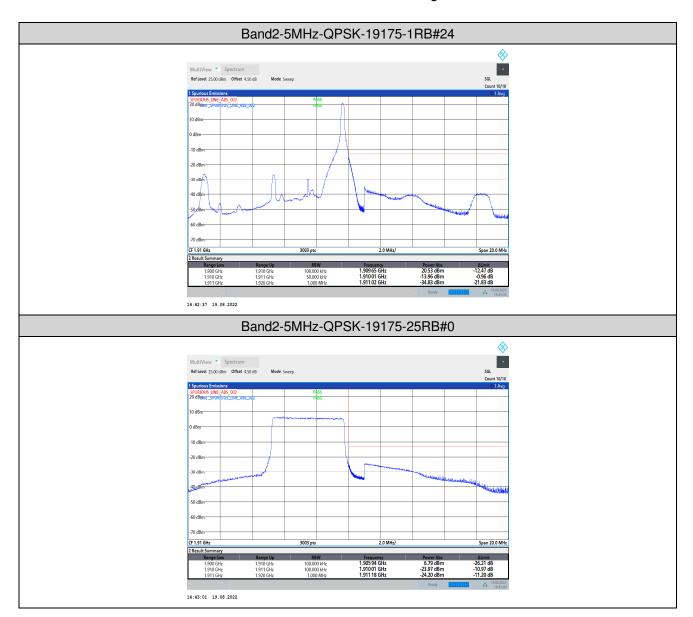
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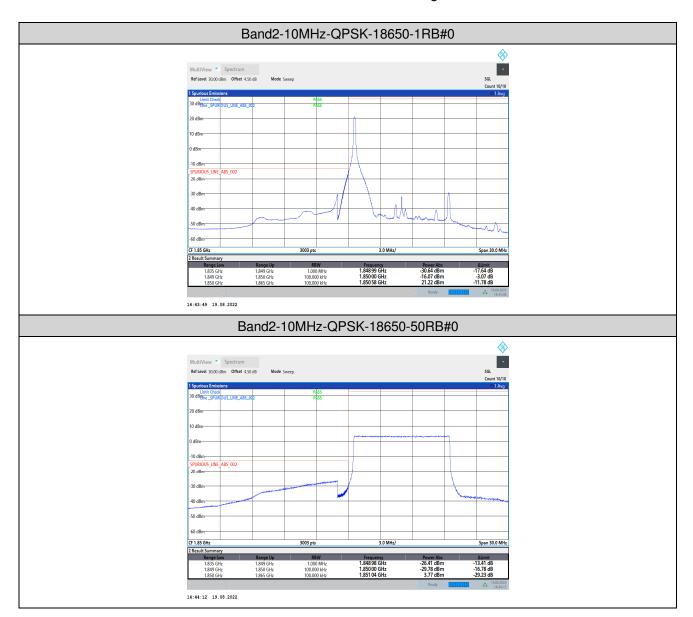
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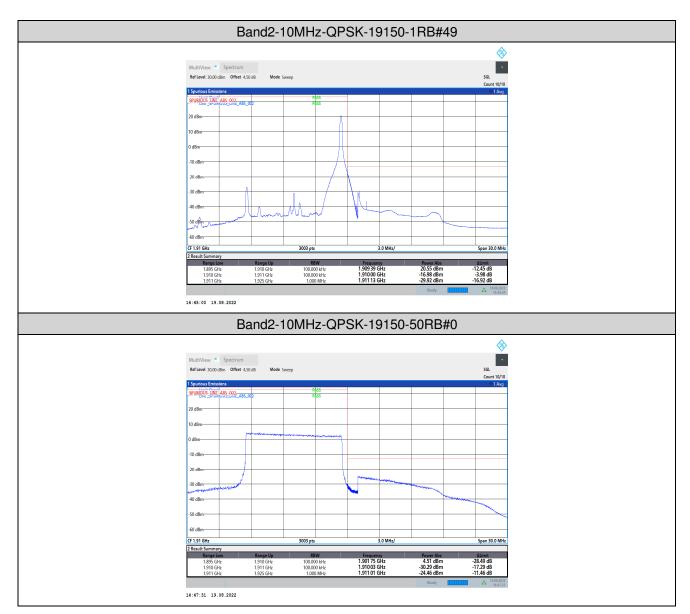
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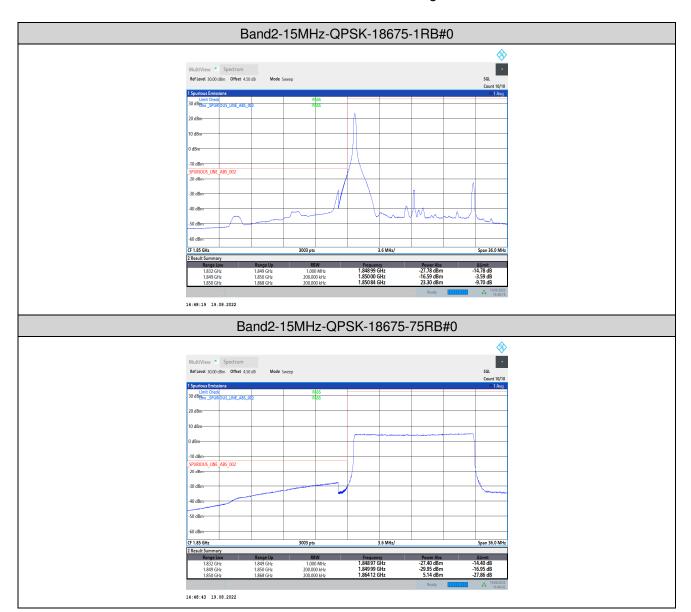
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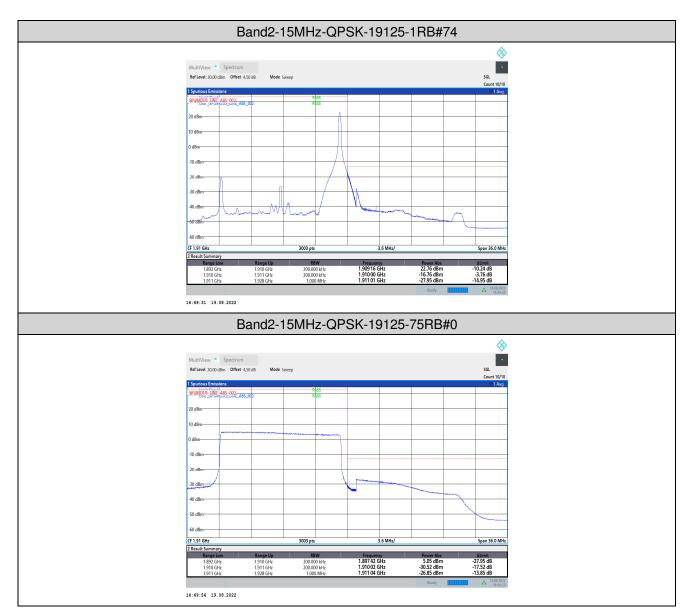
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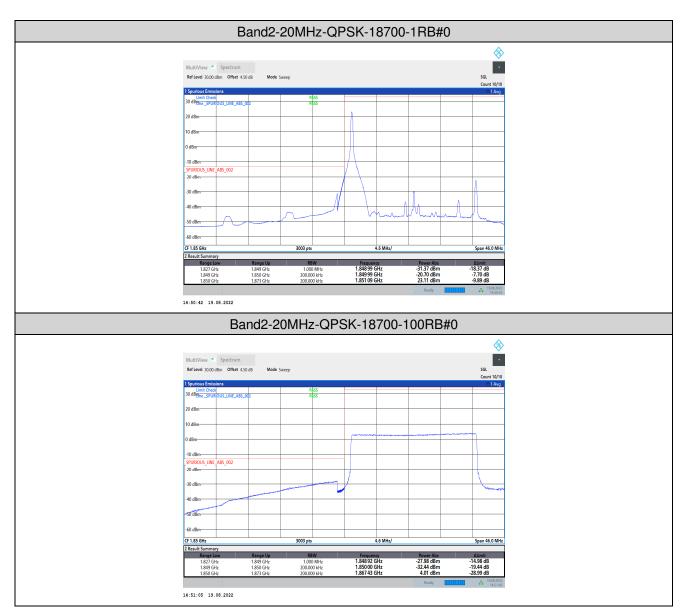
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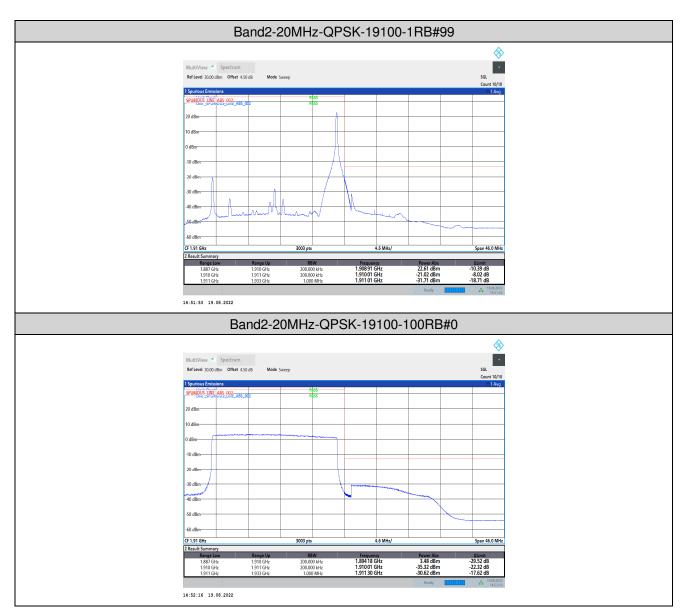
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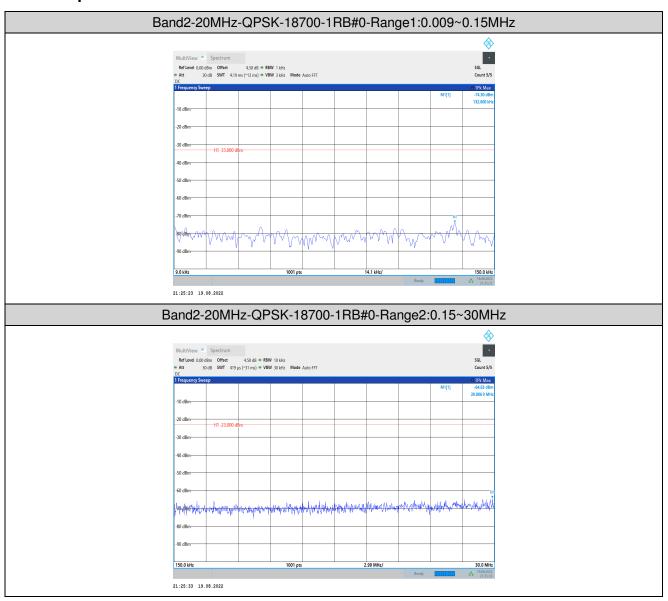
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Conducted Spurious Emission

Test Graphs





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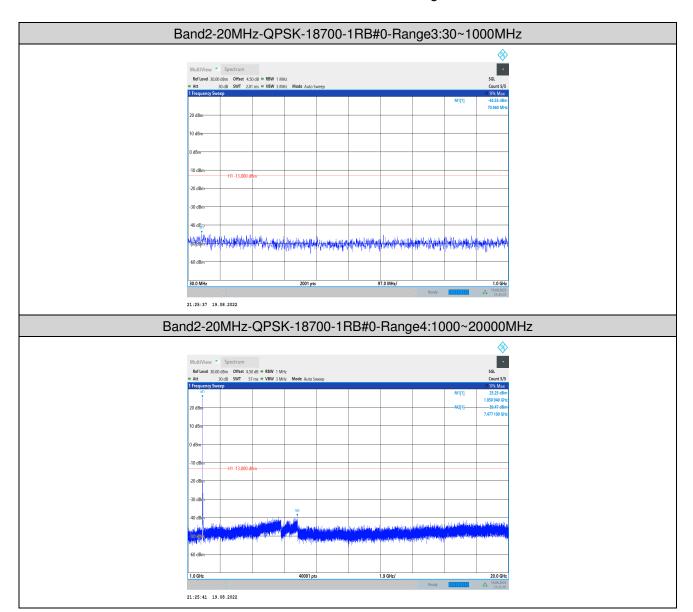
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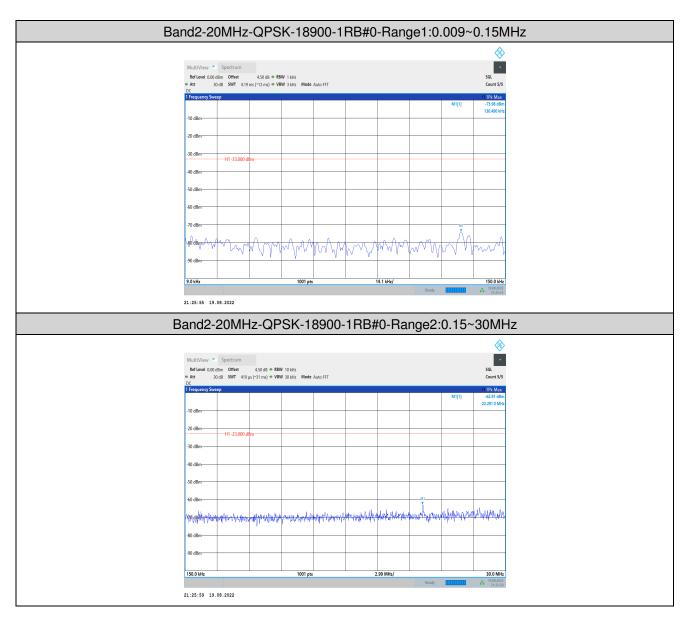
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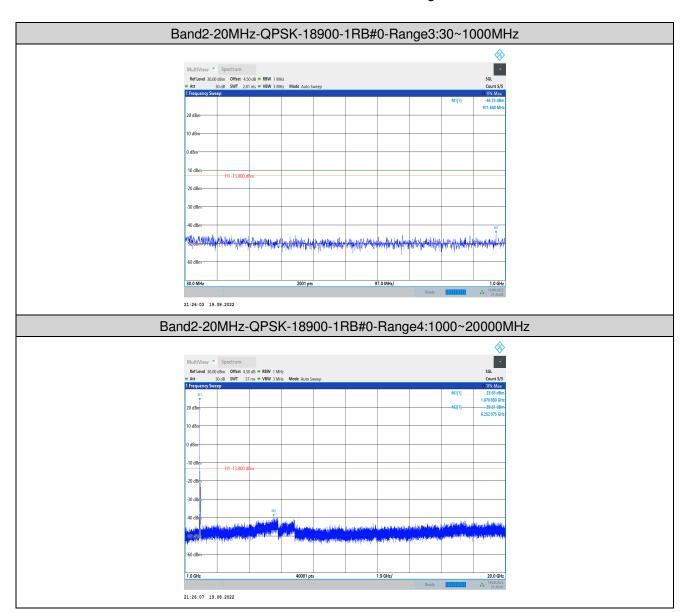
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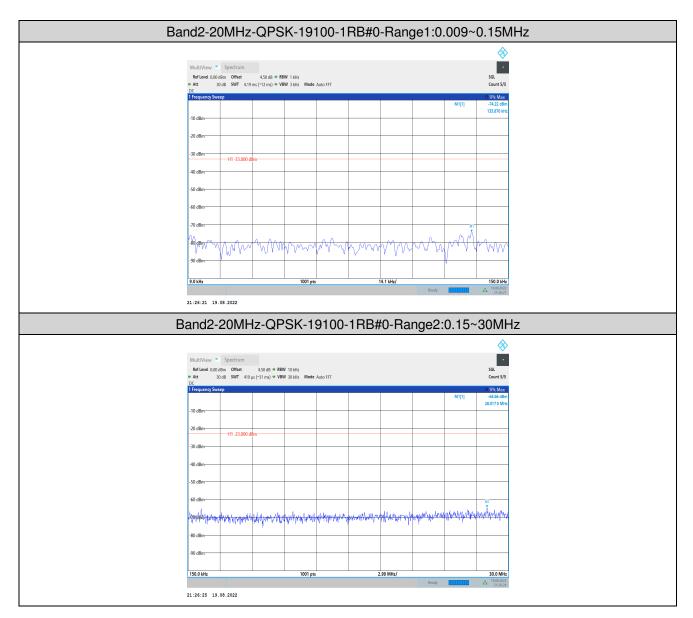
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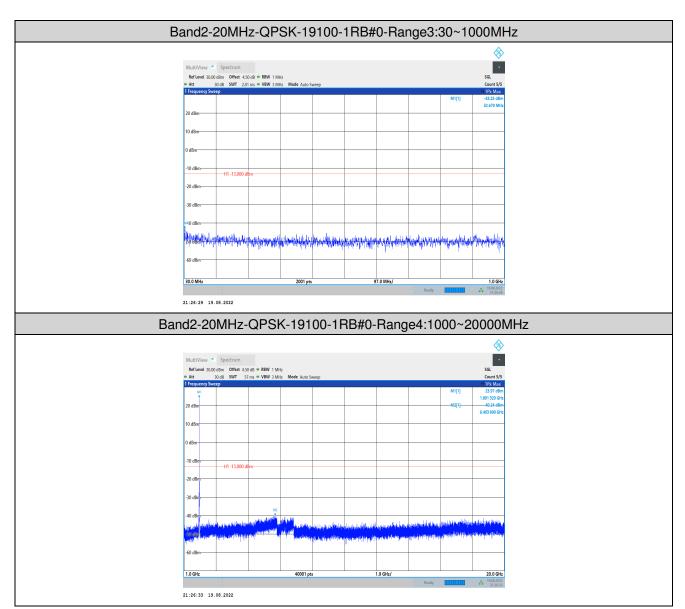
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Field Strength of Spurious Radiation

Test Band = LTE Band2_ TM1
Test Channel = Low

Final	Final Data List												
NO.	Frequency	Reading	Factor	Λ Γ[dD/m]	Level	Limit	Margin	Height	Angle	Dolovity			
NO.	[MHz]	[dBµV]	[dB]	AF[dB/m]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polarity			
1	3702.1800	58.29	-45.51	29.98	-52.50	-13.00	39.50	111	259	Horizontal			
2	5553.2700	48.49	-45.15	32.97	-58.95	-13.00	45.95	154	166	Horizontal			
3	7404.3600	45.61	-43.40	36.49	-56.56	-13.00	43.56	172	273	Horizontal			
4	9255.4500	38.41	-40.23	38.38	-58.70	-13.00	45.70	223	359	Horizontal			
5	11106.5400	33.84	-37.93	39.09	-60.26	-13.00	47.26	203	75	Horizontal			
6	12957.6300	33.40	-37.24	39.79	-59.31	-13.00	46.31	120	259	Horizontal			

Final	Final Data List											
NO.	Frequency	Reading	Factor	ΛΕ[dD/m]	Level	Limit	Margin	Height	Angle	Dolority		
NO.	[MHz]	[dBµV]	[dB]	AF[dB/m]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polarity		
1	3702	56.20	-45.51	29.98	-54.59	-13.00	41.59	216	91	Vertical		
2	5553.2700	49.22	-45.15	32.97	-58.22	-13.00	45.22	251	274	Vertical		
3	7404.3600	46.09	-43.40	36.49	-56.08	-13.00	43.08	145	354	Vertical		
4	9255.4500	38.78	-40.23	38.38	-58.33	-13.00	45.33	185	358	Vertical		
5	11106.5400	33.06	-37.93	39.09	-61.04	-13.00	48.04	196	302	Vertical		
6	12957.6300	33.15	-37.24	39.79	-59.56	-13.00	46.56	231	74	Vertical		



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Test Band = LTE Band2_ TM1 Test Channel = Mid

Final	Final Data List												
NO.	Frequency	Reading	Factor	ΛΕ[dD/m]	Level	Limit	Margin	Height	Angle	Dolority			
NO.	[MHz]	[dBµV]	[dB]	AF[dB/m]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polarity			
1	3742.1800	55.58	-45.68	30.12	-55.24	-13.00	42.24	126	245	Horizontal			
2	5613.2700	48.61	-45.04	33.07	-58.62	-13.00	45.62	151	359	Horizontal			
3	7484.3600	46.08	-43.18	36.45	-55.91	-13.00	42.91	142	259	Horizontal			
4	9355.4500	40.35	-40.00	38.46	-56.46	-13.00	43.46	186	169	Horizontal			
5	11226.5400	35.26	-37.40	39.11	-58.29	-13.00	45.29	191	45	Horizontal			
6	13097.6300	33.59	-37.01	39.87	-58.80	-13.00	45.80	135	214	Horizontal			

Final	Final Data List												
NO.	Frequency	Reading	Factor	A E[dD/m]	Level	Limit	Margin	Height	Angle	Dolority			
NO.	[MHz]	[dBµV]	[dB]	AF[dB/m]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polarity			
1	3742.1800	53.66	-45.68	30.12	-57.16	-13.00	44.16	215	230	Vertical			
2	5613.2700	48.49	-45.04	33.07	-58.74	-13.00	45.74	222	275	Vertical			
3	7484.3600	45.20	-43.18	36.45	-56.79	-13.00	43.79	233	359	Vertical			
4	9355.4500	40.18	-40.00	38.46	-56.63	-13.00	43.63	230	44	Vertical			
5	11226.5400	35.85	-37.40	39.11	-57.70	-13.00	44.70	191	75	Vertical			
6	13097.6300	32.32	-37.01	39.87	-60.07	-13.00	47.07	178	320	Vertical			



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Test Band = LTE Band2_ TM1 Test Channel = High

Final	Final Data List												
NO.	Frequency	Reading	Factor	ΛΕ[dD/m]	Level	Limit	Margin	Height	Angle	Dolority			
NO.	[MHz]	[dBµV]	[dB]	AF[dB/m]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polarity			
1	3782.1800	58.36	-45.85	30.27	-52.48	-13.00	39.48	213	166	Horizontal			
2	5673.2700	49.32	-44.91	33.29	-57.56	-13.00	44.56	236	166	Horizontal			
3	7564.3600	45.63	-43.00	36.41	-56.23	-13.00	43.23	261	288	Horizontal			
4	9455.4500	42.53	-40.05	38.48	-54.31	-13.00	41.31	155	152	Horizontal			
5	11346.5400	35.26	-37.40	39.11	-58.29	-13.00	45.29	142	166	Horizontal			
6	13237.6300	32.44	-37.08	39.96	-59.93	-13.00	46.93	178	346	Horizontal			

Final	Data List									
NO.	Frequency	Reading	Factor	AF[dB/m]	Level	Limit	Margin	Height	Angle	Polarity
NO.	[MHz]	[dBµV]	[dB]	Ar[ub/III]	[dBm]	[dBm]	[dB]	[cm]	[°]	Foldfilly
1	3782.1800	54.08	-45.85	30.27	-56.76	-13.00	43.76	215	245	Vertical
2	5673.2700	47.89	-44.91	33.29	-58.99	-13.00	45.99	261	122	Vertical
3	7564.3600	45.15	-43.00	36.41	-56.71	-13.00	43.71	200	48	Vertical
4	9455.4500	41.09	-40.05	38.48	-55.75	-13.00	42.75	136	360	Vertical
5	11346.5400	36.85	-37.40	39.11	-56.70	-13.00	43.70	216	336	Vertical
6	13237.6300	33.48	-37.08	39.96	-58.89	-13.00	45.89	192	139	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit - Level



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-11.10	-0.005904	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-15.00	-0.007979	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-12.20	-0.006489	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature $(^{\circ}\mathbb{C})$	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-16.60	-0.008830	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-4.80	-0.002553	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-5.30	-0.002819	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-0.50	-0.000266	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-10.50	-0.005585	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-3.30	-0.001755	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-0.80	-0.000426	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-3.00	-0.001596	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-6.80	-0.003617	PASS

---End of Attachment---



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