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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 Configuration	Conducted	EIRP	Limit	Verdict
27 11 12	24.101.101.1		<b>C</b> 110111101	Tib Comigaration	Power(dBm)	(dBm)	(dBm)	7 0 1 0 1 0 1
Band2	1.4MHz	QPSK	18607	1RB#0	23.22	23.78	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.24	23.80	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.06	23.62	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	23.27	23.83	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	23.58	24.14	33.00	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	23.41	23.97	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.50	23.06	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.34	23.90	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.53	24.09	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.54	24.10	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	23.53	24.09	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	23.88	24.44	33.00	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	23.82	24.38	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.60	23.16	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.34	23.90	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.51	24.07	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.48	24.04	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	23.62	24.18	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	23.55	24.11	33.00	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	23.65	24.21	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.60	23.16	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.01	22.57	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.05	22.61	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	21.88	22.44	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	22.64	23.20	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	22.55	23.11	33.00	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	22.38	22.94	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.21	21.77	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.02	22.58	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.99	22.55	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	21.88	22.44	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	22.82	23.38	33.00	PASS



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			ı				ı	
Band2	1.4MHz	16QAM	18900	3RB#1	22.88	23.44	33.00	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	22.87	23.43	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.70	22.26	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.49	23.05	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.06	22.62	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.05	22.61	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	22.76	23.32	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	22.97	23.53	33.00	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	22.69	23.25	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.55	22.11	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.51	24.07	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.60	24.16	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.52	24.08	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#0	22.60	23.16	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#4	22.54	23.10	33.00	PASS
Band2	3MHz	QPSK	18615	8RB#7	22.51	23.07	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.50	23.06	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.54	24.10	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.58	24.14	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.56	24.12	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#0	22.58	23.14	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#4	22.62	23.18	33.00	PASS
Band2	3MHz	QPSK	18900	8RB#7	22.61	23.17	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.68	23.24	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.55	24.11	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.63	24.19	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.49	24.05	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	22.71	23.27	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#4	22.63	23.19	33.00	PASS
Band2	3MHz	QPSK	19185	8RB#7	22.47	23.03	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.60	23.16	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	21.64	22.20	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.39	22.95	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.98	22.54	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#0	21.29	21.85	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#4	21.74	22.30	33.00	PASS
Band2	3MHz	16QAM	18615	8RB#7	21.21	21.77	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.53	22.09	33.00	PASS



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Band2	3MHz	16QAM	18900	1RB#0	22.13	22.69	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.16	22.72	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	21.82	22.38	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#0	21.58	22.14	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#4	21.81	22.37	33.00	PASS
Band2	3MHz	16QAM	18900	8RB#7	21.82	22.38	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.80	22.36	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.15	22.71	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.17	22.73	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	21.94	22.50	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#0	21.93	22.49	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#4	21.55	22.11	33.00	PASS
Band2	3MHz	16QAM	19185	8RB#7	21.38	21.94	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.74	22.30	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.35	23.91	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.55	24.11	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.39	23.95	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#0	22.39	22.95	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#6	22.53	23.09	33.00	PASS
Band2	5MHz	QPSK	18625	12RB#13	22.49	23.05	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.49	23.05	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.44	24.00	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.53	24.09	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.44	24.00	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#0	22.57	23.13	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.62	23.18	33.00	PASS
Band2	5MHz	QPSK	18900	12RB#13	22.66	23.22	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.58	23.14	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.51	24.07	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.85	24.41	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.47	24.03	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#0	22.67	23.23	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#6	22.70	23.26	33.00	PASS
Band2	5MHz	QPSK	19175	12RB#13	22.50	23.06	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.56	23.12	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	21.84	22.40	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.54	23.10	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	21.65	22.21	33.00	PASS



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Band2	5MHz	16QAM	18625	12RB#0	21.35	21.91	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#6	21.62	22.18	33.00	PASS
Band2	5MHz	16QAM	18625	12RB#13	21.38	21.94	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.65	22.21	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	21.87	22.43	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.70	23.26	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	21.80	22.36	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#0	21.45	22.01	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#6	21.51	22.07	33.00	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.55	22.11	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.51	22.07	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.05	22.61	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.69	23.25	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.88	22.44	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#0	21.63	22.19	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#6	21.43	21.99	33.00	PASS
Band2	5MHz	16QAM	19175	12RB#13	21.41	21.97	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.60	22.16	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.28	23.84	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.78	24.34	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.01	23.57	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#0	22.63	23.19	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#12	22.65	23.21	33.00	PASS
Band2	10MHz	QPSK	18650	25RB#25	22.47	23.03	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.43	22.99	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.20	23.76	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	24.03	24.59	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.18	23.74	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#0	22.73	23.29	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#12	22.75	23.31	33.00	PASS
Band2	10MHz	QPSK	18900	25RB#25	22.54	23.10	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.63	23.19	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.29	23.85	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	24.30	24.86	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.93	23.49	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#0	22.83	23.39	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#12	22.82	23.38	33.00	PASS
Band2	10MHz	QPSK	19150	25RB#25	22.59	23.15	33.00	PASS



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Band2	10MHz	QPSK	19150	50RB#0	22.60	23.16	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.02	22.58	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.52	23.08	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.00	22.56	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#0	21.58	22.14	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#12	21.45	22.01	33.00	PASS
Band2	10MHz	16QAM	18650	25RB#25	21.51	22.07	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.33	21.89	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.13	22.69	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.33	22.89	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.12	22.68	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#0	21.74	22.30	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#12	21.70	22.26	33.00	PASS
Band2	10MHz	16QAM	18900	25RB#25	21.54	22.10	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.66	22.22	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.14	22.70	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.42	22.98	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.05	22.61	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#0	21.76	22.32	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#12	21.87	22.43	33.00	PASS
Band2	10MHz	16QAM	19150	25RB#25	21.61	22.17	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.76	22.32	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.31	23.87	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	24.02	24.58	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.02	23.58	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#0	22.49	23.05	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#18	22.70	23.26	33.00	PASS
Band2	15MHz	QPSK	18675	36RB#39	22.44	23.00	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.43	22.99	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.08	23.64	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	24.03	24.59	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.83	23.39	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#0	22.79	23.35	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#18	22.75	23.31	33.00	PASS
Band2	15MHz	QPSK	18900	36RB#39	22.50	23.06	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.72	23.28	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.21	23.77	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	24.24	24.80	33.00	PASS



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		T	I	1	1			1
Band2	15MHz	QPSK	19125	1RB#74	23.08	23.64	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#0	22.71	23.27	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#18	22.97	23.53	33.00	PASS
Band2	15MHz	QPSK	19125	36RB#39	22.66	23.22	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.63	23.19	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	21.97	22.53	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	21.99	22.55	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.06	22.62	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#0	21.40	21.96	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#18	21.52	22.08	33.00	PASS
Band2	15MHz	16QAM	18675	36RB#39	21.37	21.93	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.46	22.02	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.04	22.60	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.50	23.06	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.08	22.64	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#0	21.51	22.07	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#18	21.68	22.24	33.00	PASS
Band2	15MHz	16QAM	18900	36RB#39	21.76	22.32	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.54	22.10	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.57	23.13	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.21	22.77	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.09	22.65	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#0	21.66	22.22	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#18	21.84	22.40	33.00	PASS
Band2	15MHz	16QAM	19125	36RB#39	21.61	22.17	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.78	22.34	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.30	23.86	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	24.12	24.68	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.65	23.21	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#0	22.65	23.21	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#25	22.75	23.31	33.00	PASS
Band2	20MHz	QPSK	18700	50RB#50	22.39	22.95	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.49	23.05	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.13	23.69	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	24.18	24.74	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.43	22.99	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#0	23.00	23.56	33.00	PASS
Band2	20MHz	QPSK	18900	50RB#25	22.80	23.36	33.00	PASS



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Band2	20MHz	QPSK	18900	50RB#50	22.41	22.97	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.73	23.29	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.14	23.70	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	24.31	24.87	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.09	23.65	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#0	22.70	23.26	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.89	23.45	33.00	PASS
Band2	20MHz	QPSK	19100	50RB#50	22.66	23.22	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.51	23.07	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.96	22.52	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.57	23.13	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.02	22.58	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#0	21.51	22.07	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#25	21.57	22.13	33.00	PASS
Band2	20MHz	16QAM	18700	50RB#50	21.53	22.09	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.52	22.08	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.40	22.96	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.68	23.24	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.61	23.17	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#0	21.53	22.09	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#25	21.73	22.29	33.00	PASS
Band2	20MHz	16QAM	18900	50RB#50	21.58	22.14	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.56	22.12	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.09	22.65	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.49	23.05	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.06	22.62	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#0	21.63	22.19	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#25	21.69	22.25	33.00	PASS
Band2	20MHz	16QAM	19100	50RB#50	21.61	22.17	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.58	22.14	33.00	PASS

#### Remark:

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

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



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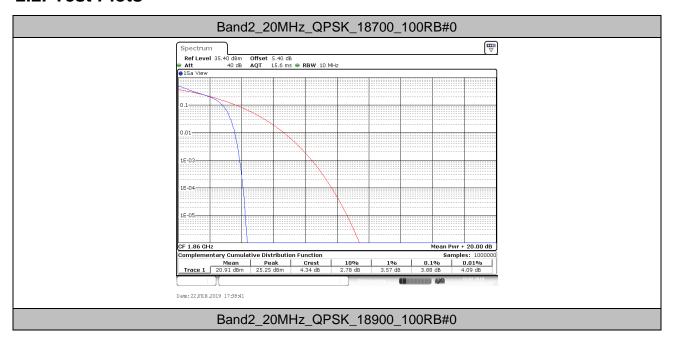
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#### 2. Peak-to-Average Ratio(CCDF)

#### 2.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	3.88	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	4.00	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	3.83	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	5.68	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.83	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.54	13	PASS

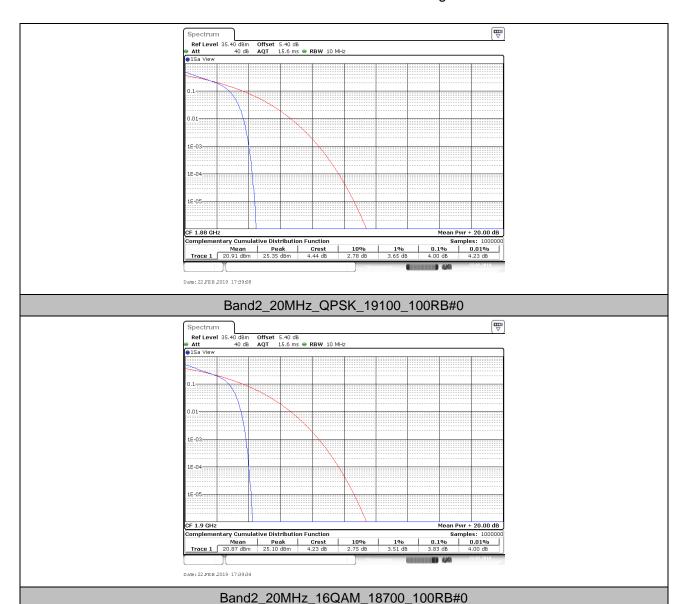
#### 2.2. Test Plots





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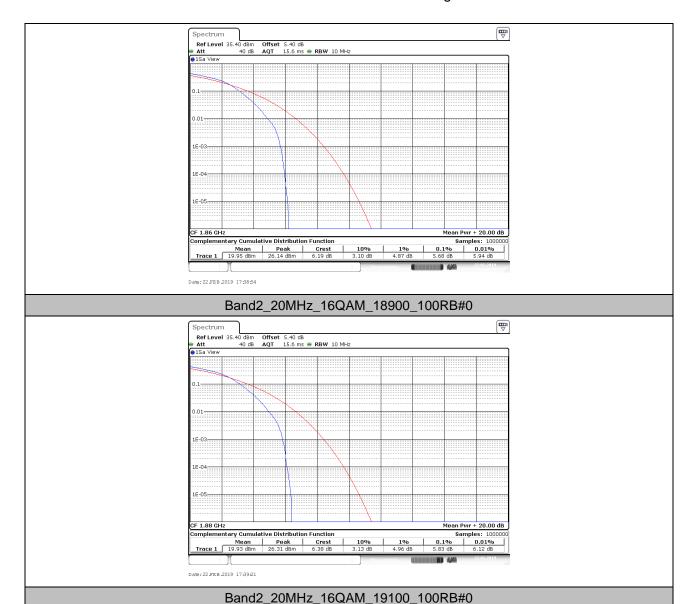
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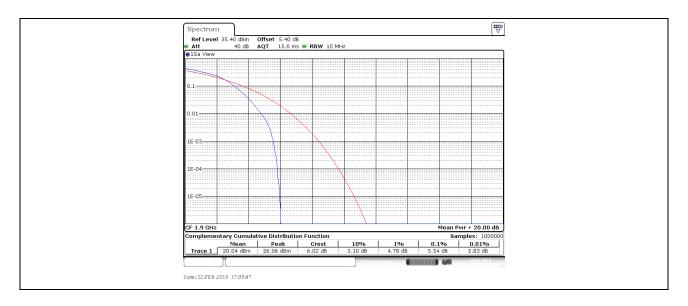
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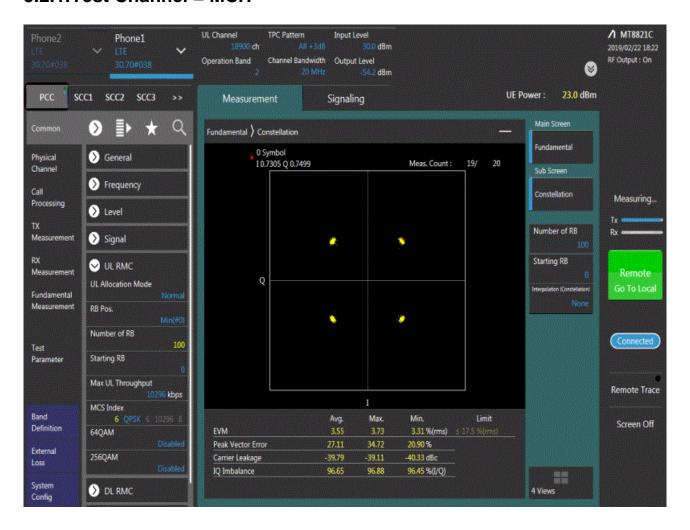
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#### 3. Modulation Characteristics

- 3.1. Test BAND = LTE Band 2
- 3.2. Test Mode = LTE /TM1 20MHz
- 3.2.1.Test Channel = MCH

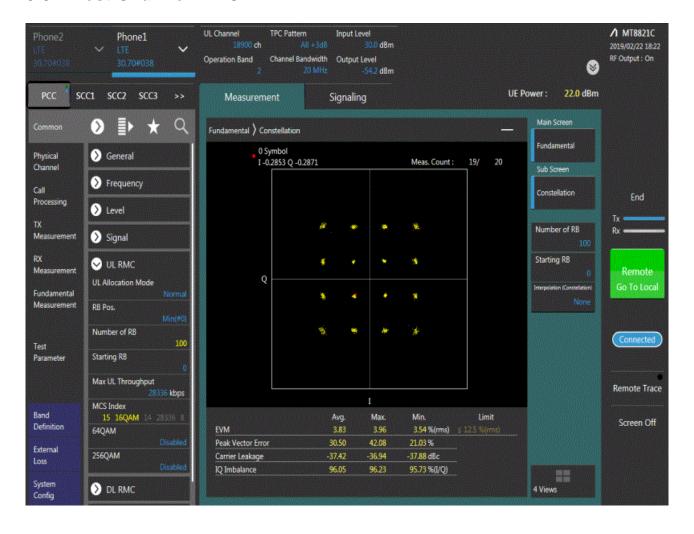




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#### 3.3. Test Mode = LTE /TM2 20MHz

#### 3.3.1.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	1.094	1.302	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.094	1.305	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.094	1.317	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.094	1.293	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.094	1.311	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.094	1.383	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.703	2.994	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.697	3.006	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.697	3.006	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.691	2.976	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.685	2.988	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.685	2.988	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.466	4.940	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.476	4.960	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.476	4.950	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.486	4.970	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.496	4.970	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.496	4.980	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.931	9.720	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.931	9.760	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.951	9.660	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.911	9.780	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.931	9.720	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.911	9.780	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.397	14.730	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.457	14.730	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.457	14.700	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.397	14.730	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.427	14.700	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.457	14.760	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.822	19.320	PASS



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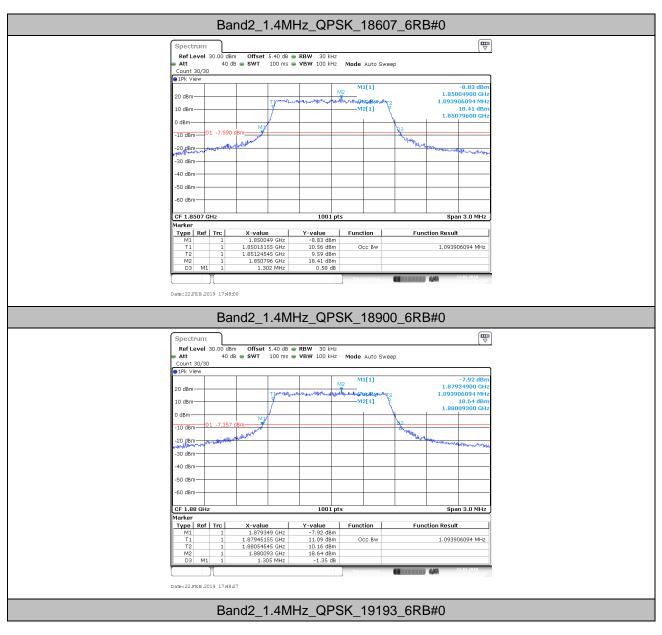


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Band2	20MHz	QPSK	18900	100RB#0	17.862	19.360	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.822	19.400	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.822	19.320	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.822	19.440	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.822	19.320	PASS

#### 4.2. Test Plots



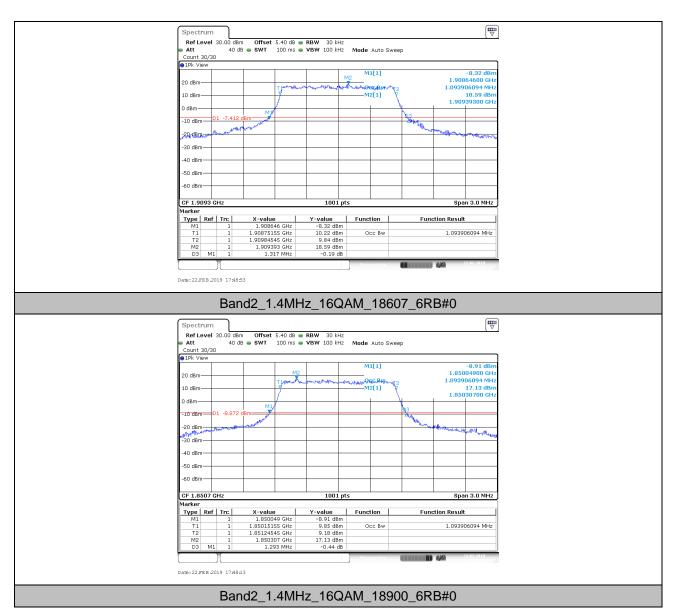


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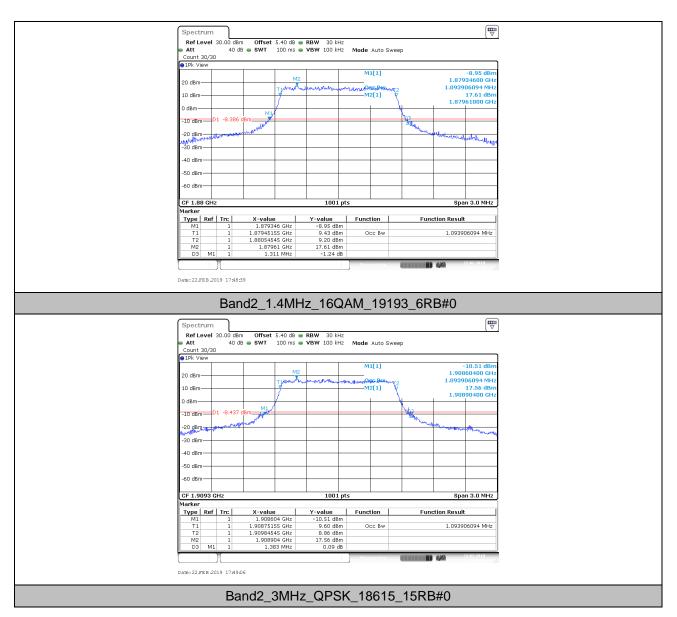


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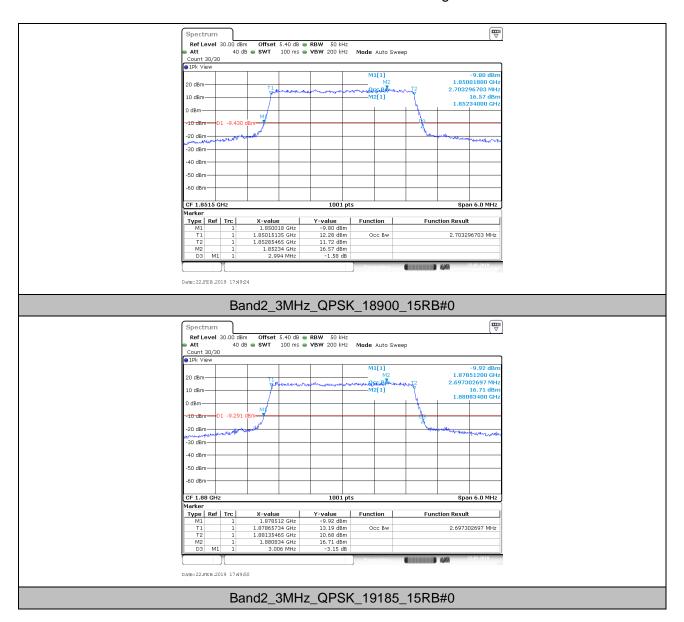
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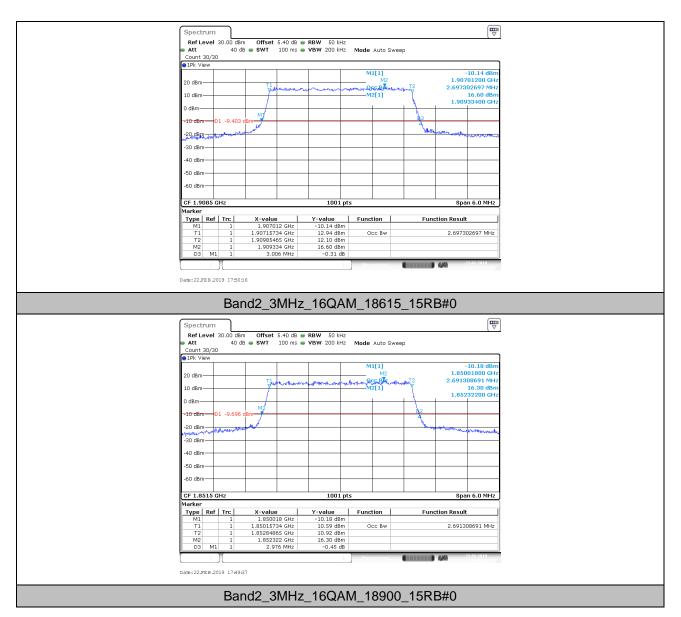


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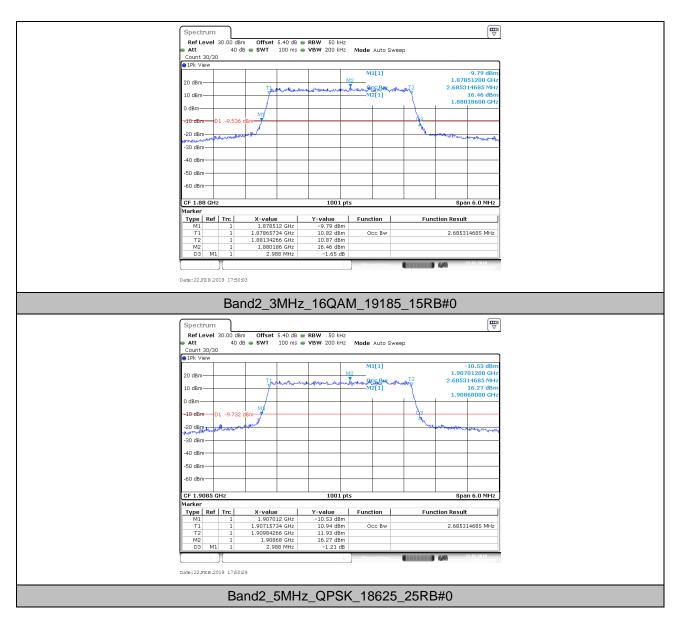
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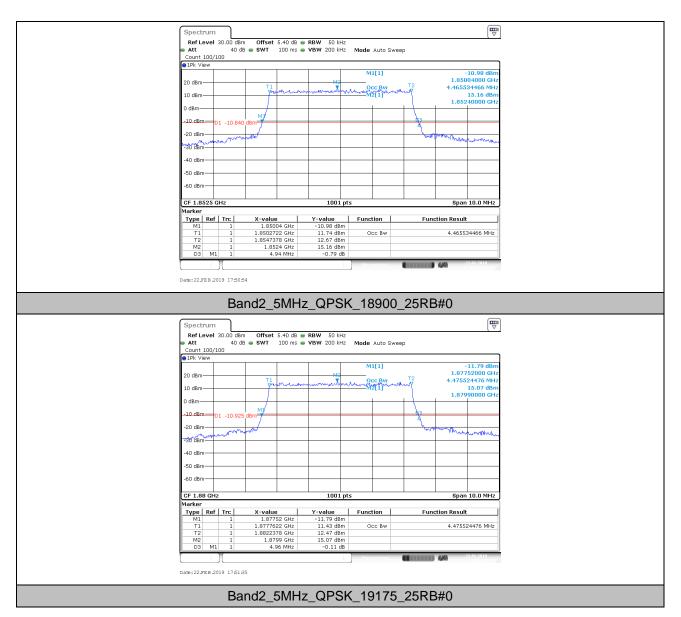
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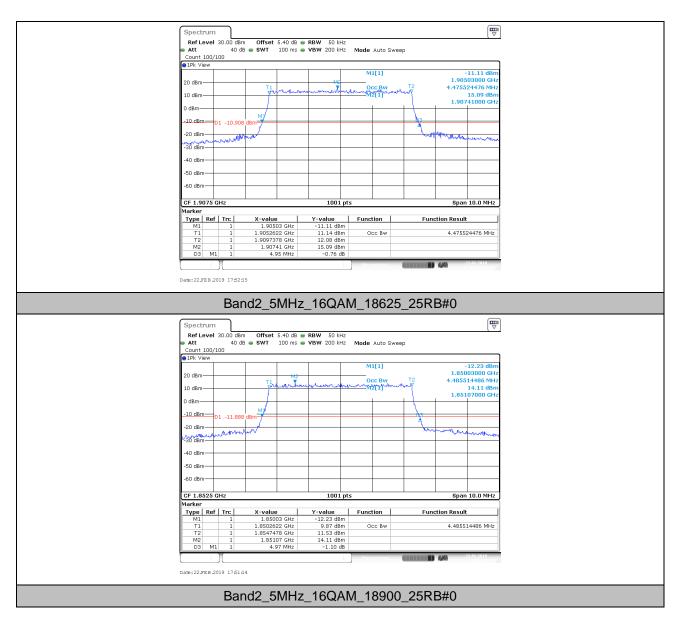
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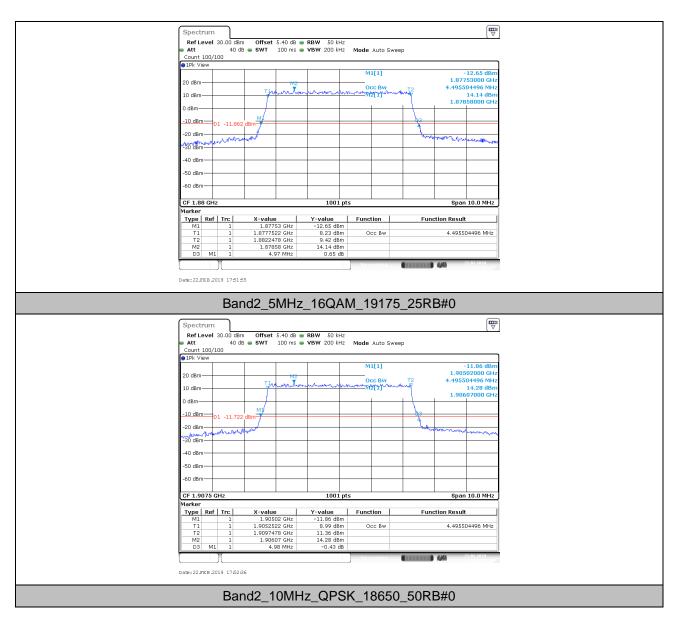
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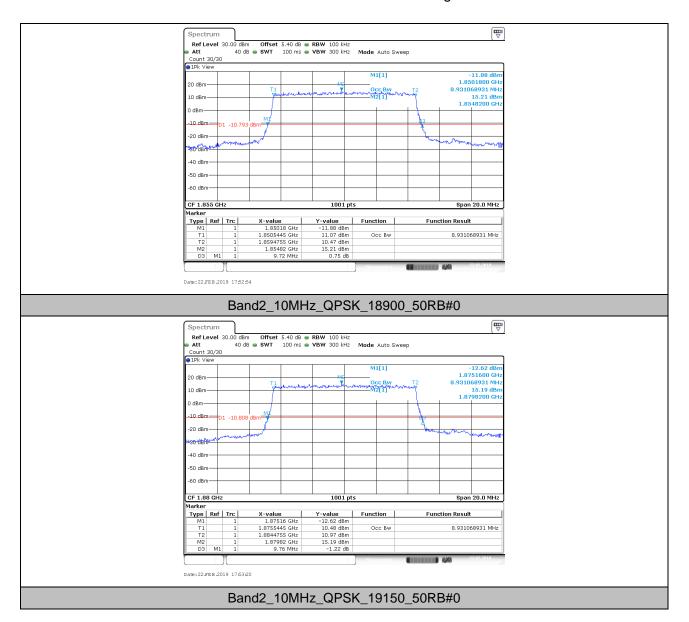
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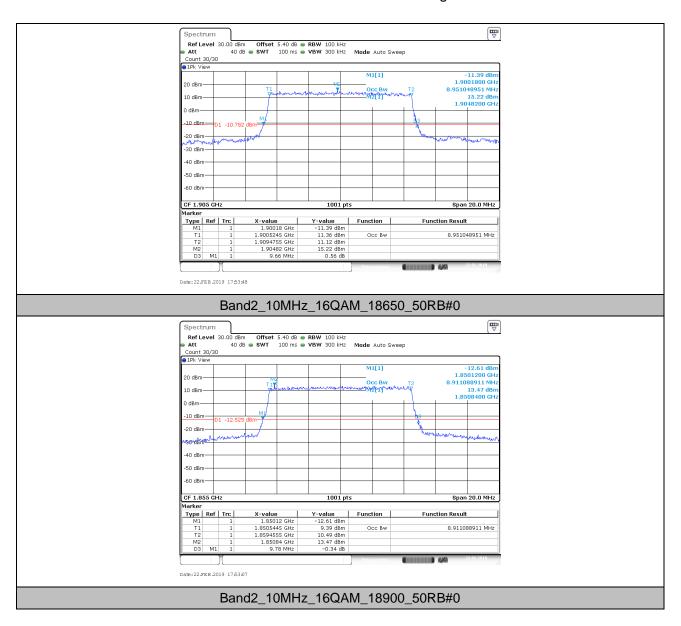
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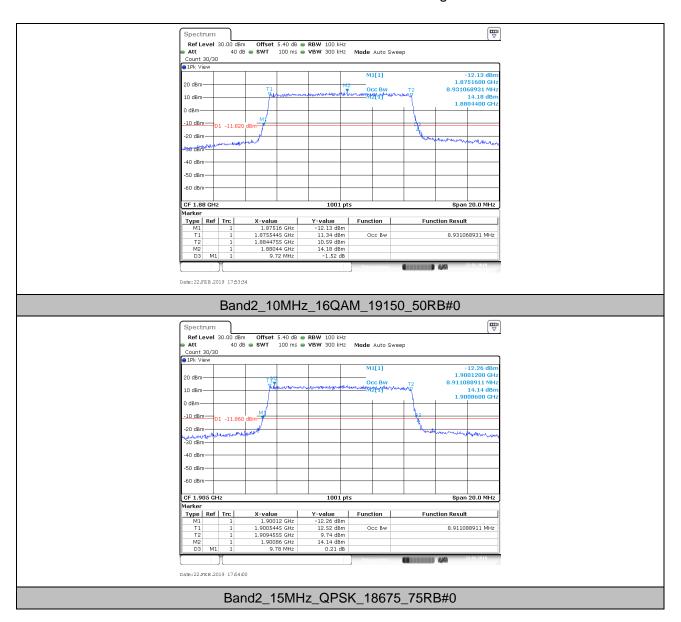
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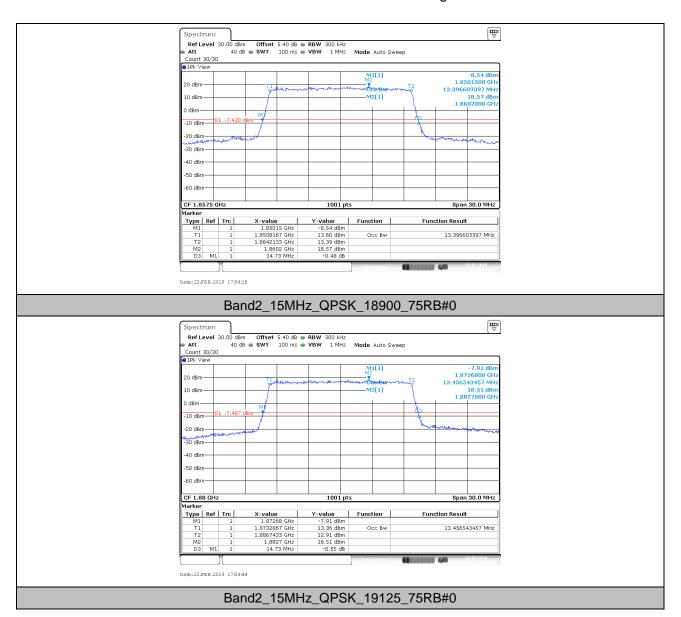
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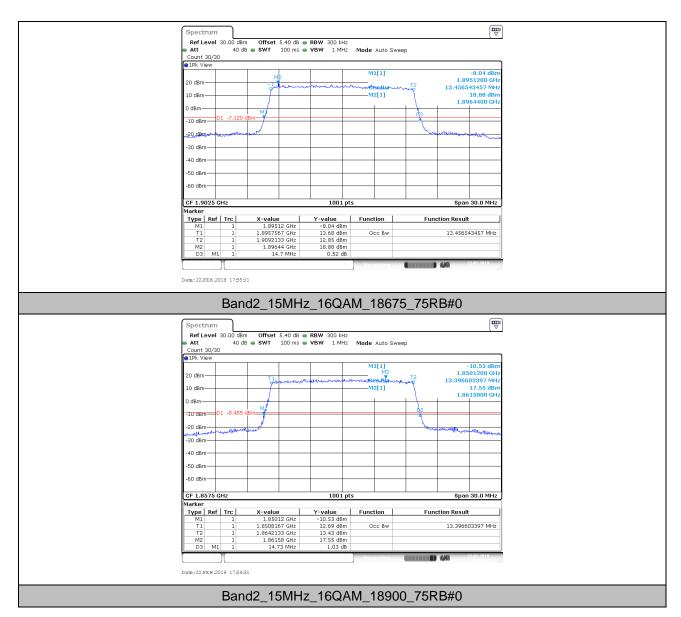


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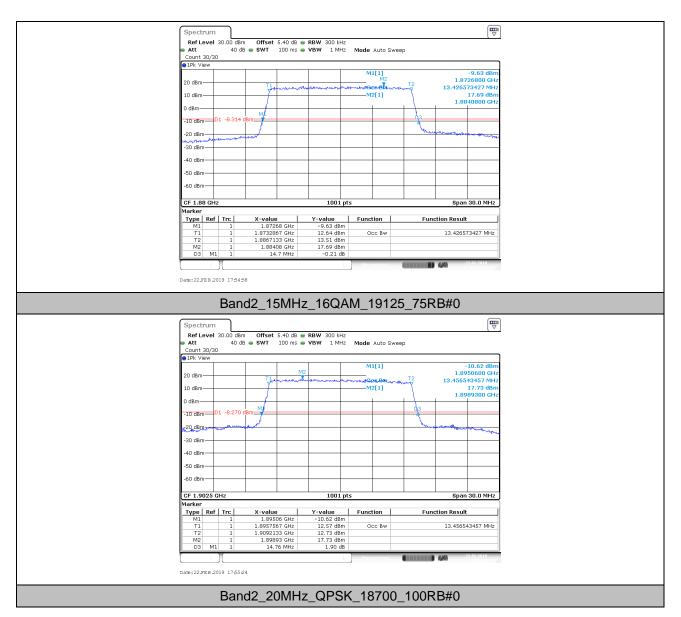
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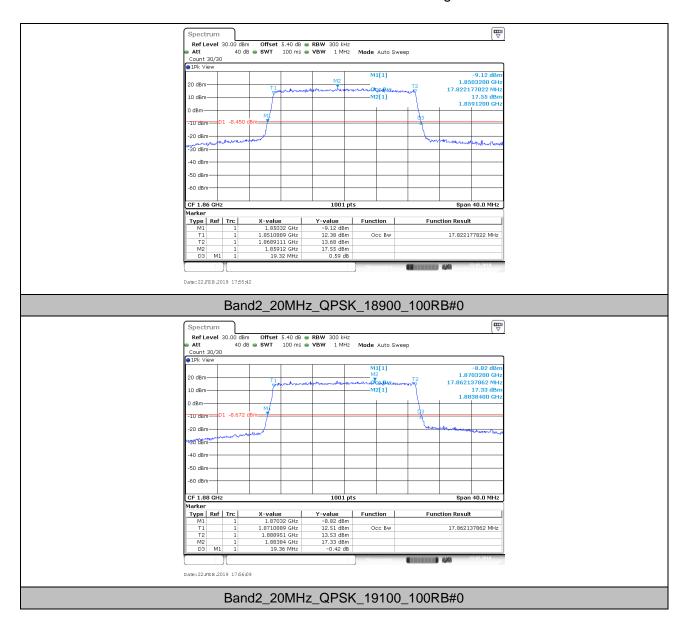


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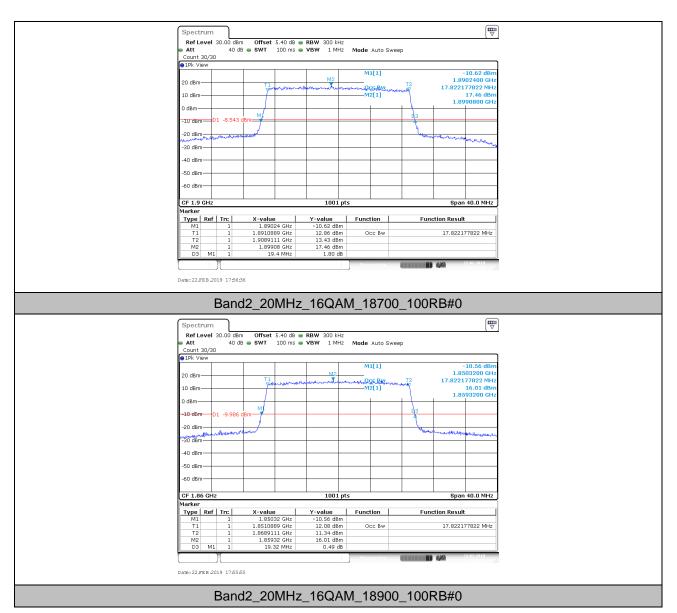
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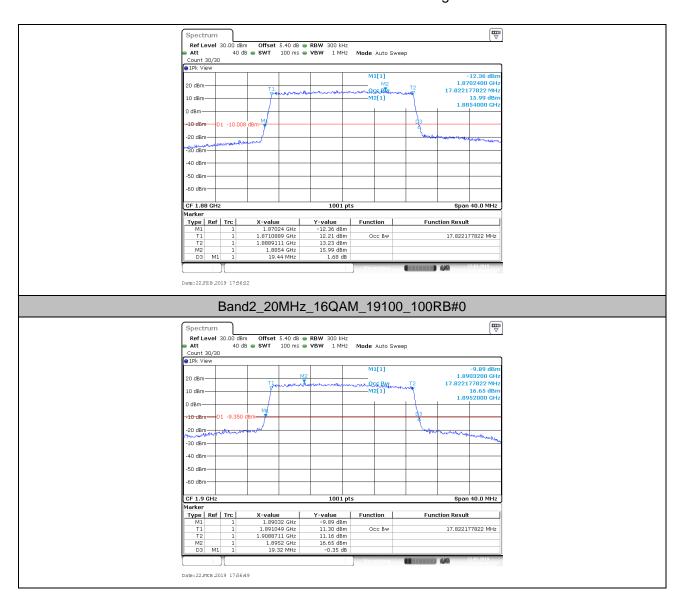






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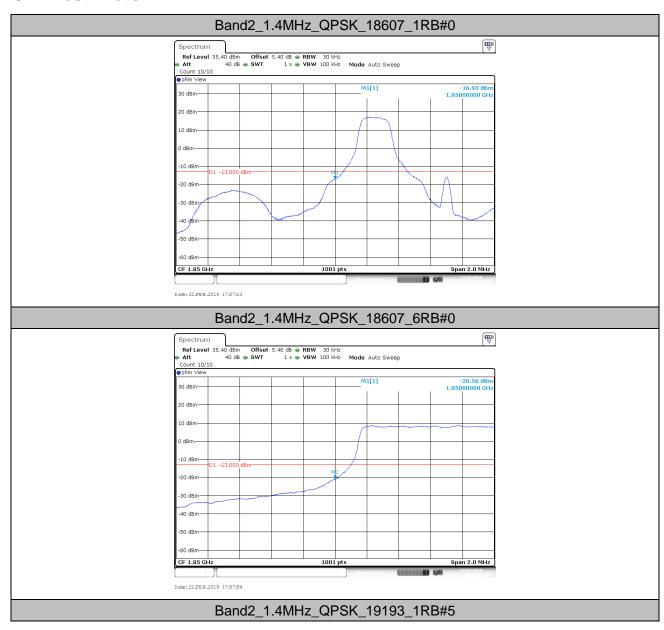




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#### 5. Band Edge Compliance

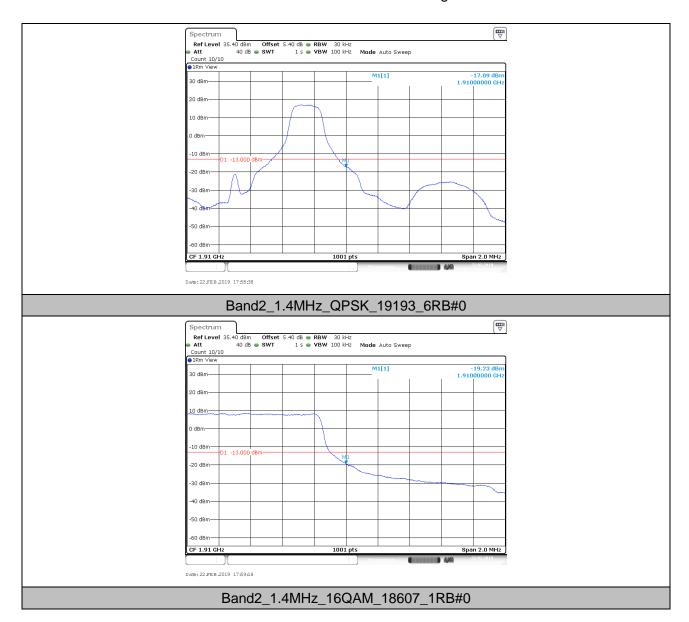
#### 5.1. Test Plots





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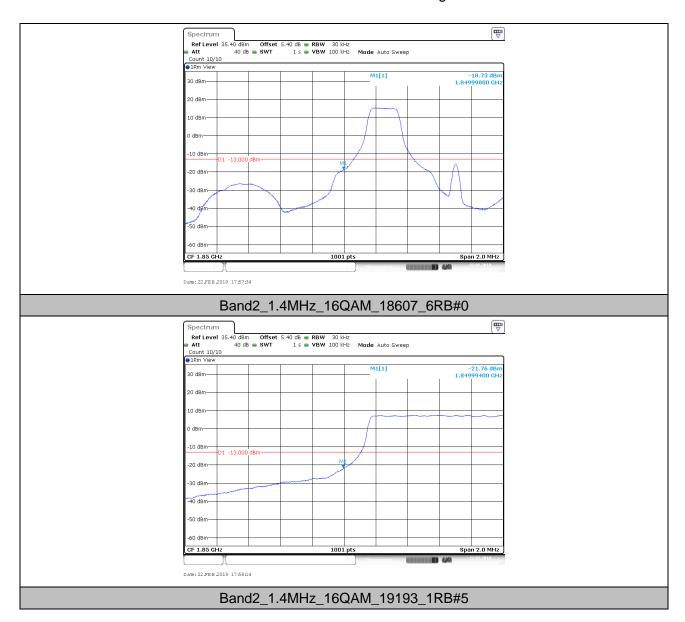
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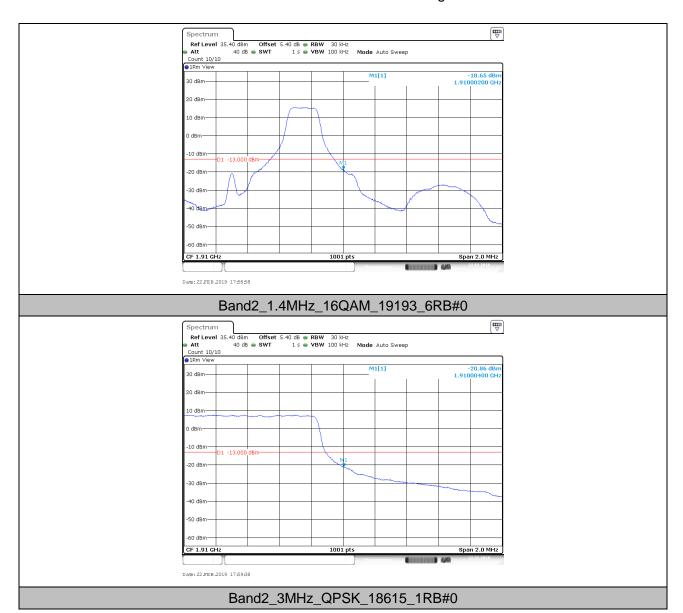
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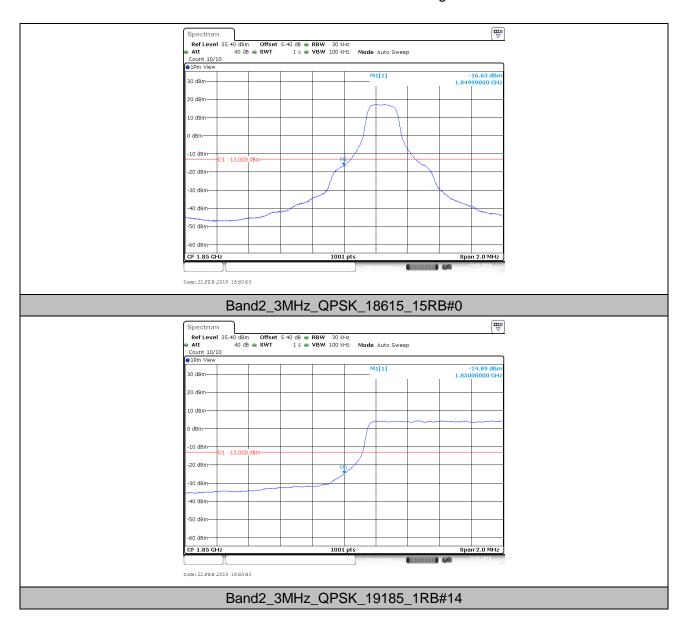
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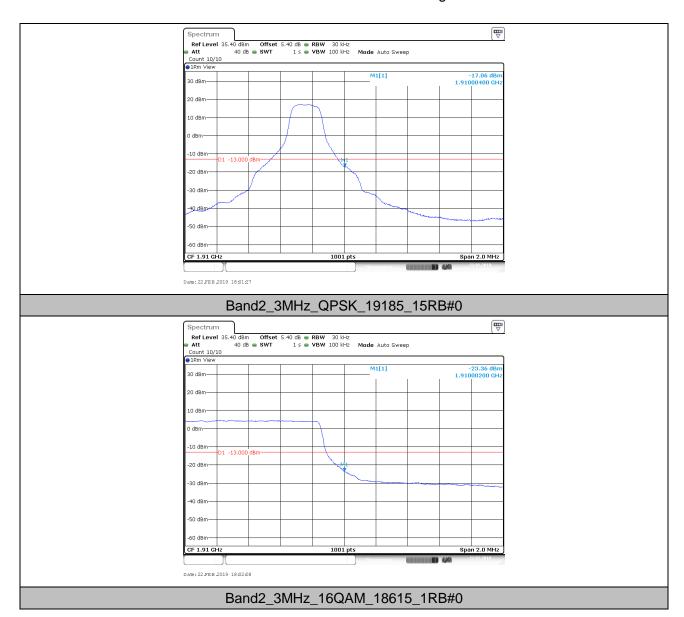
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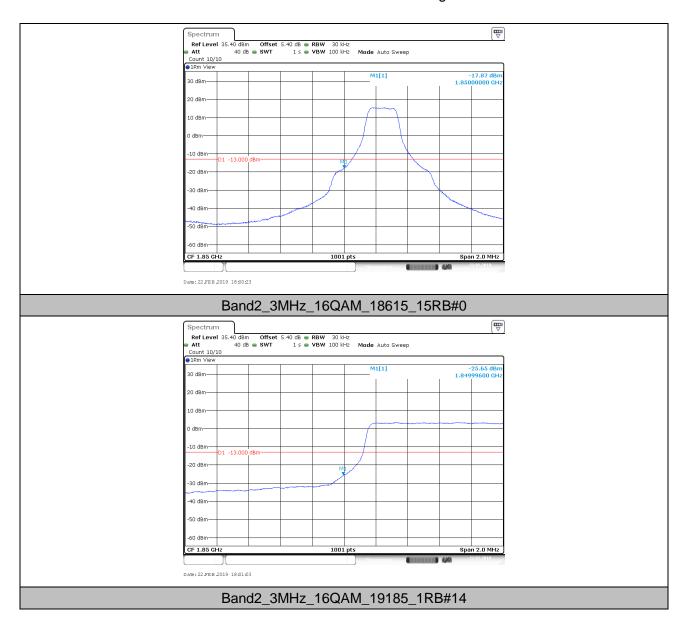
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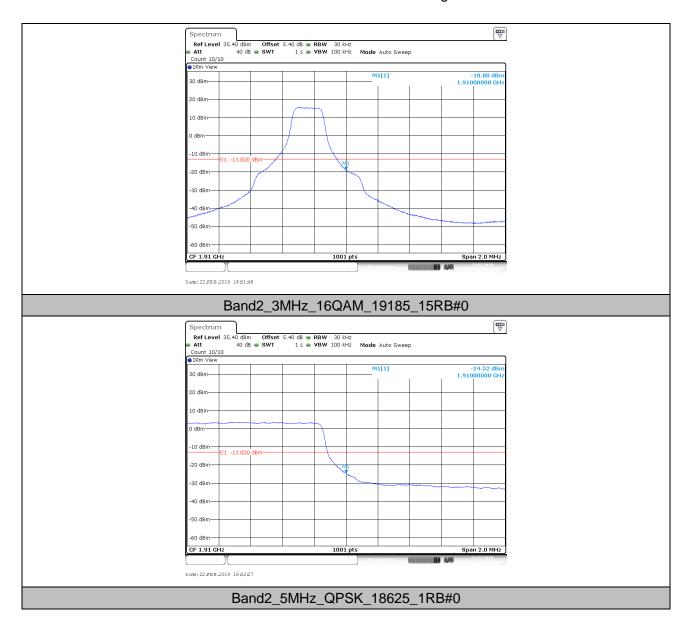
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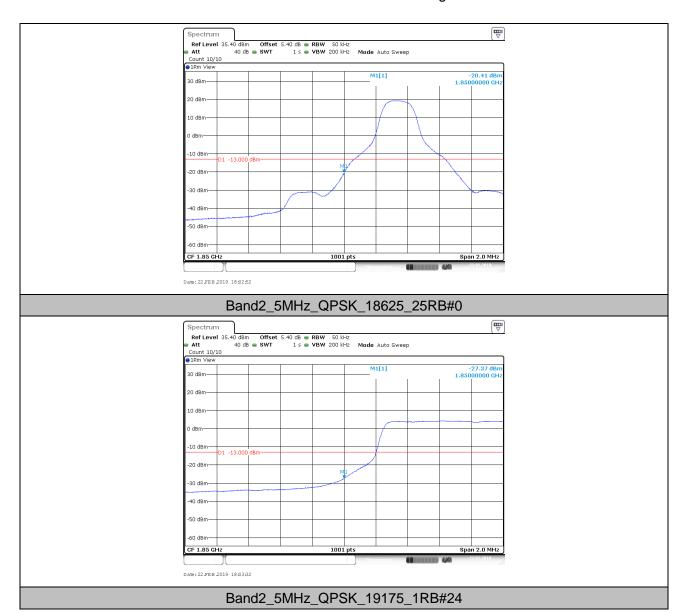
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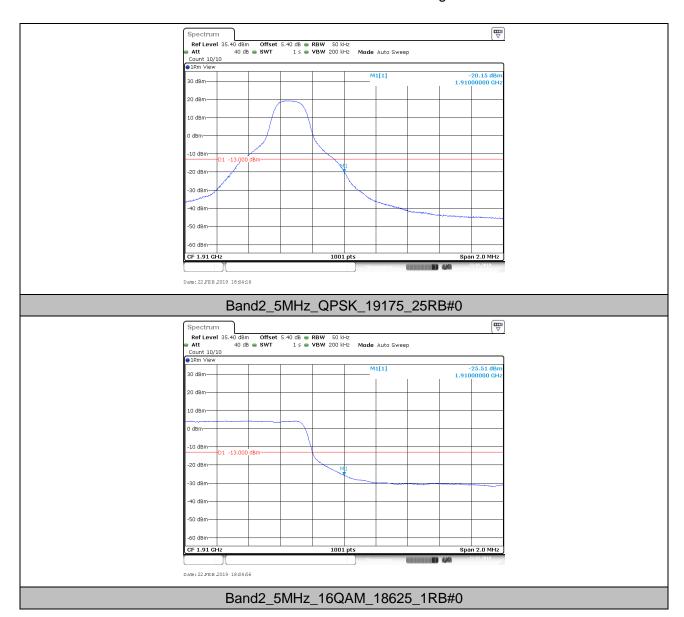
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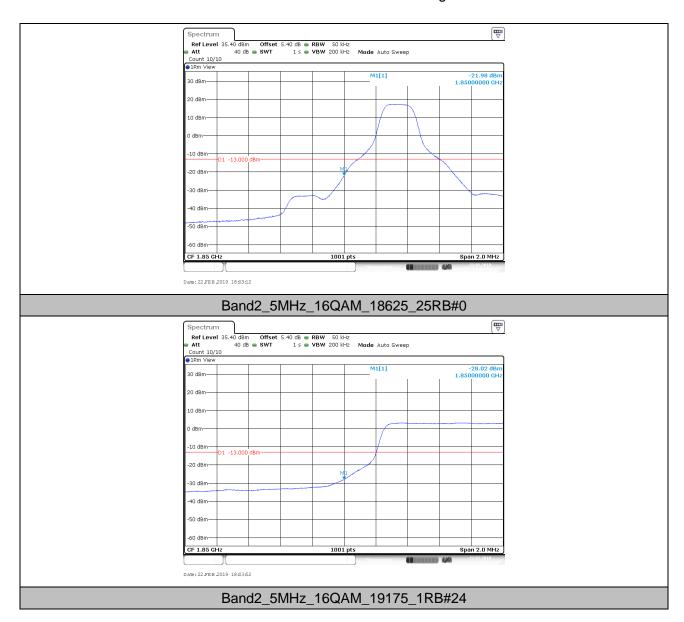
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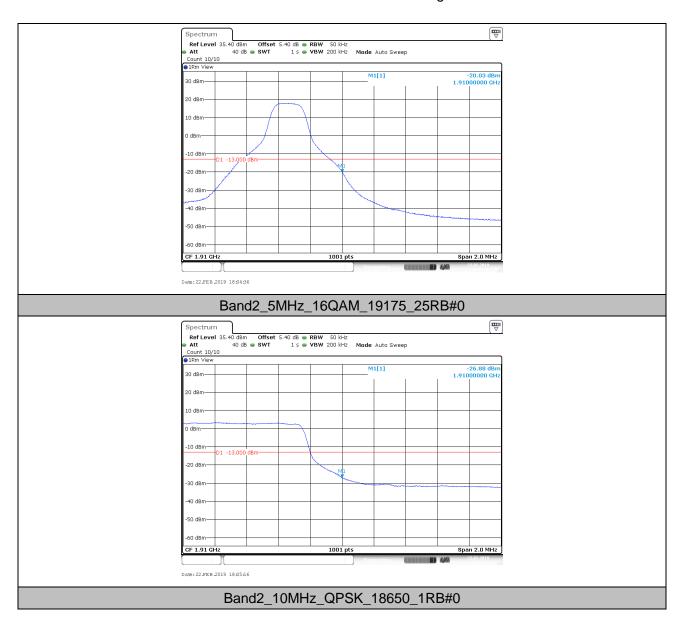
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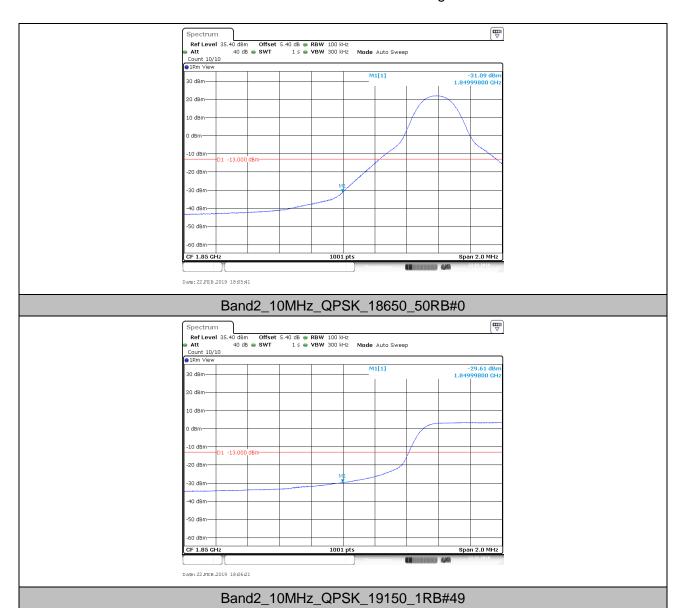
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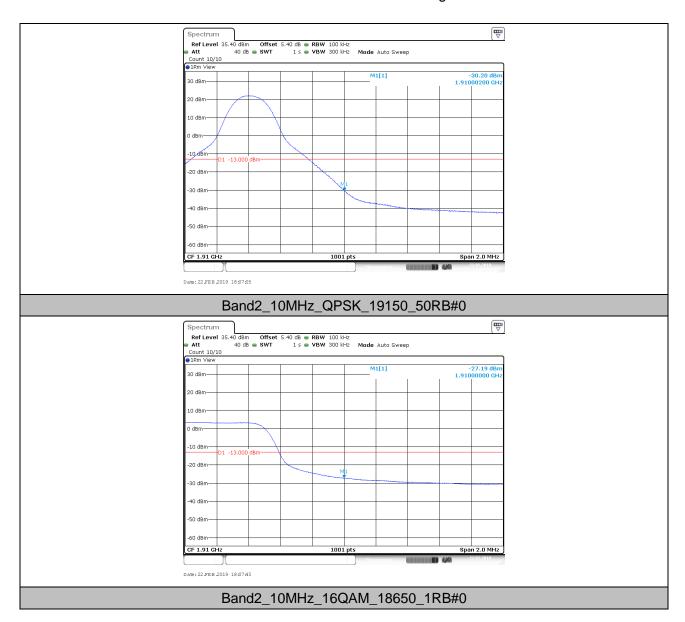
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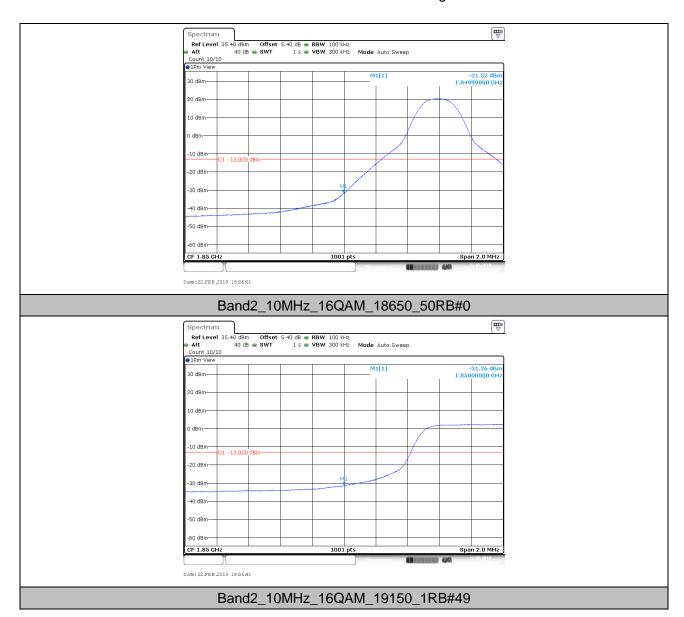
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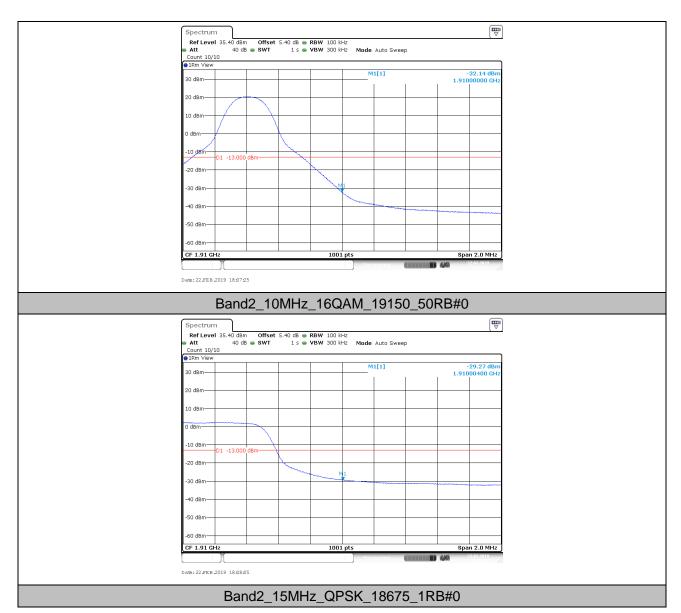
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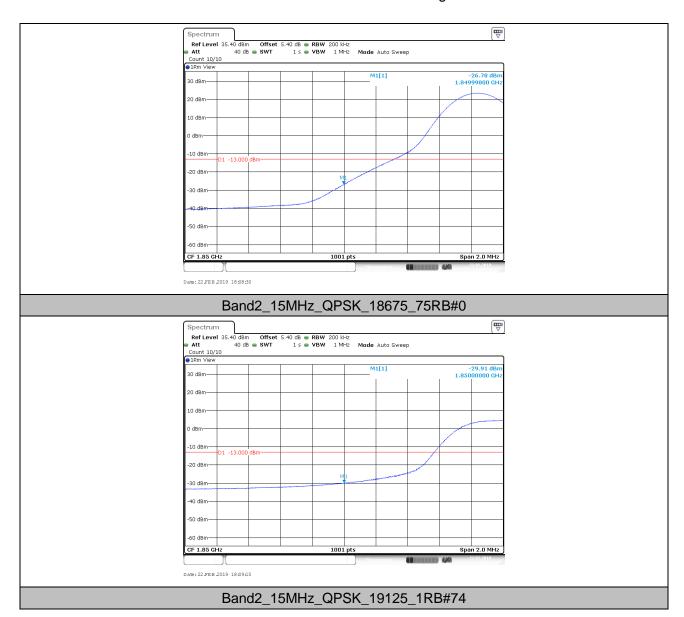
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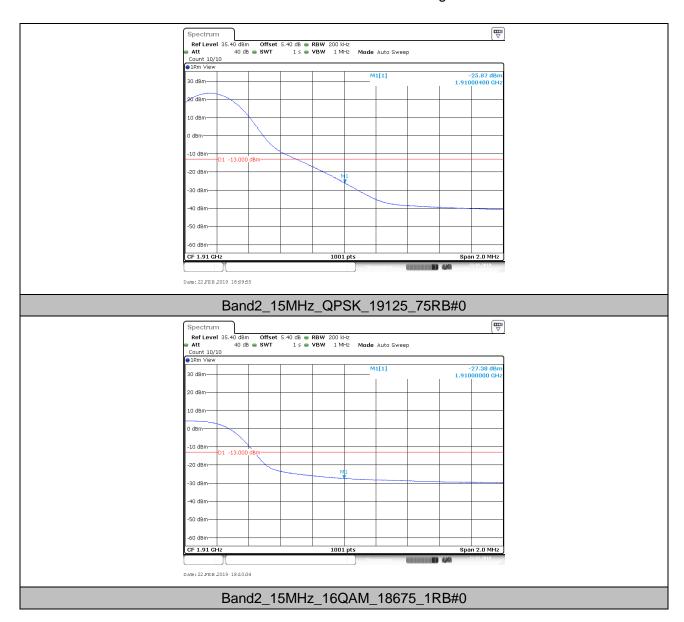
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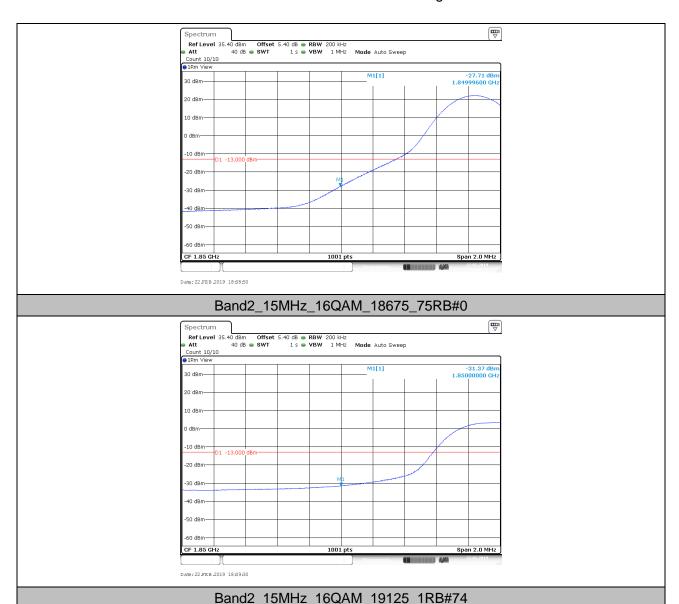
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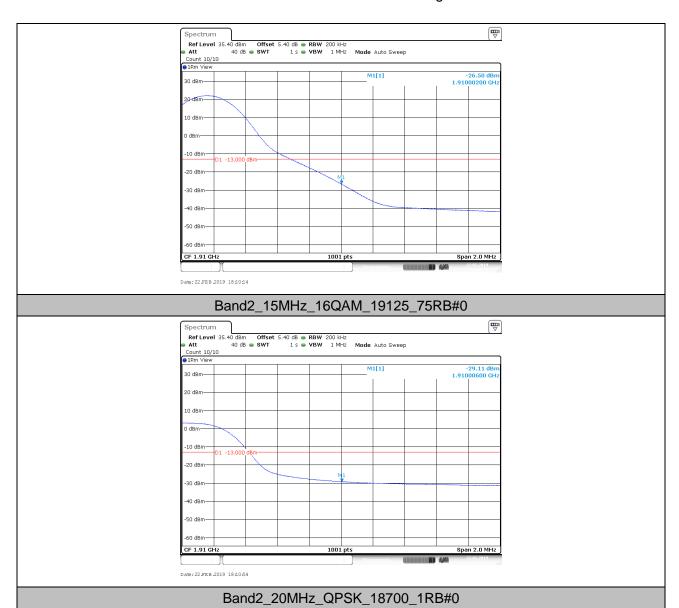
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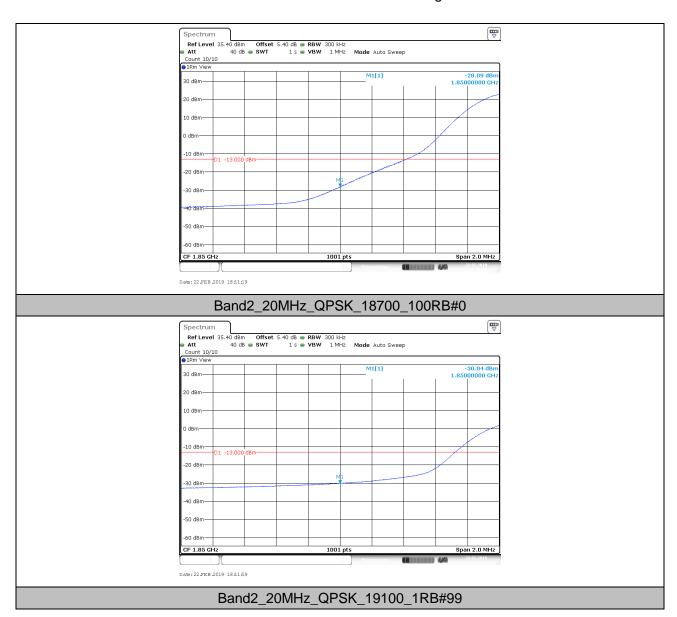
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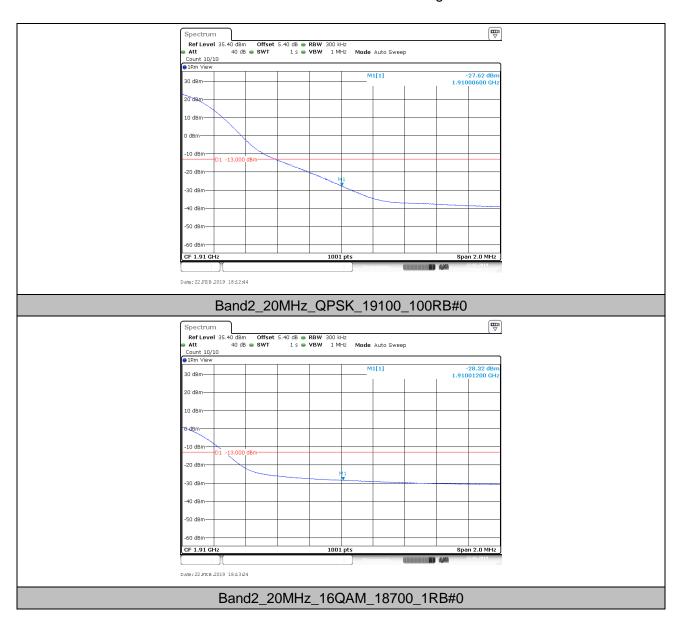
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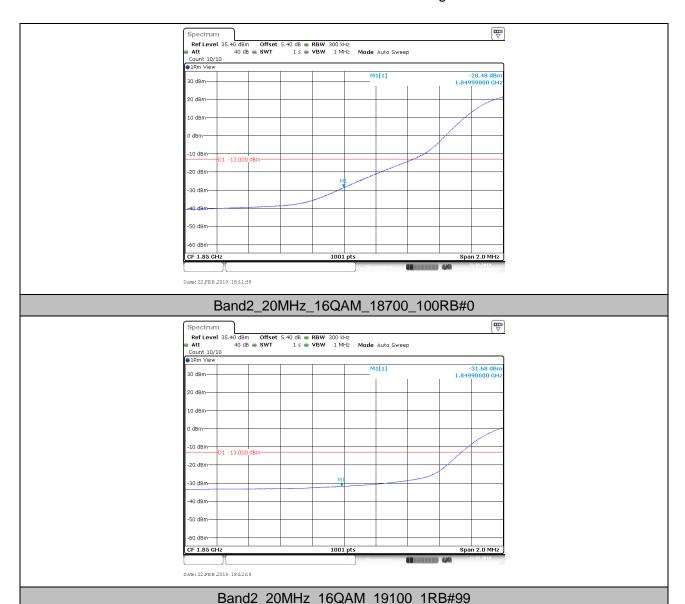
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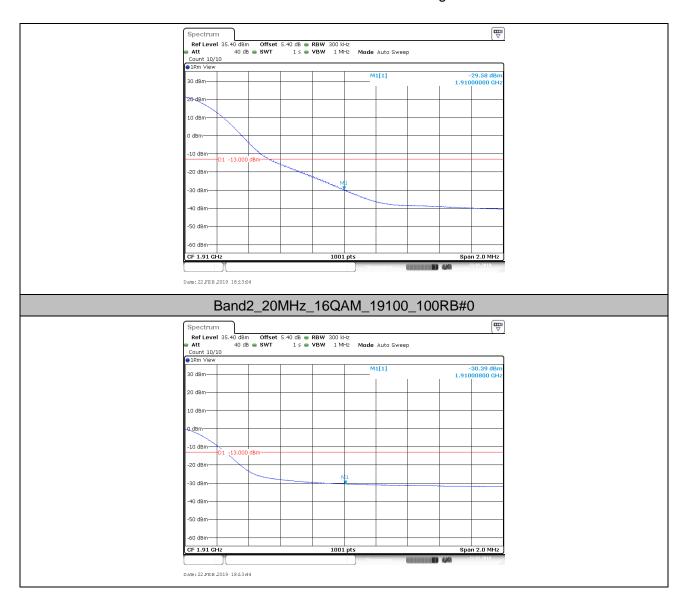
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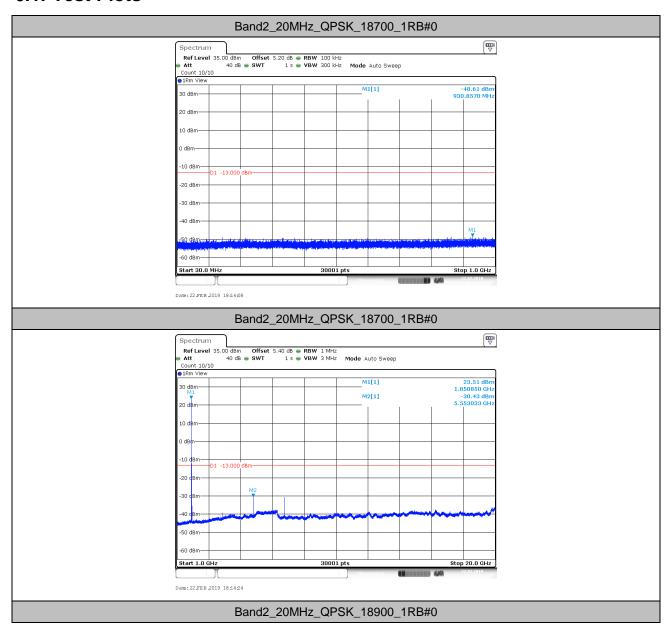
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### 6. Spurious Emission at Antenna Terminal

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

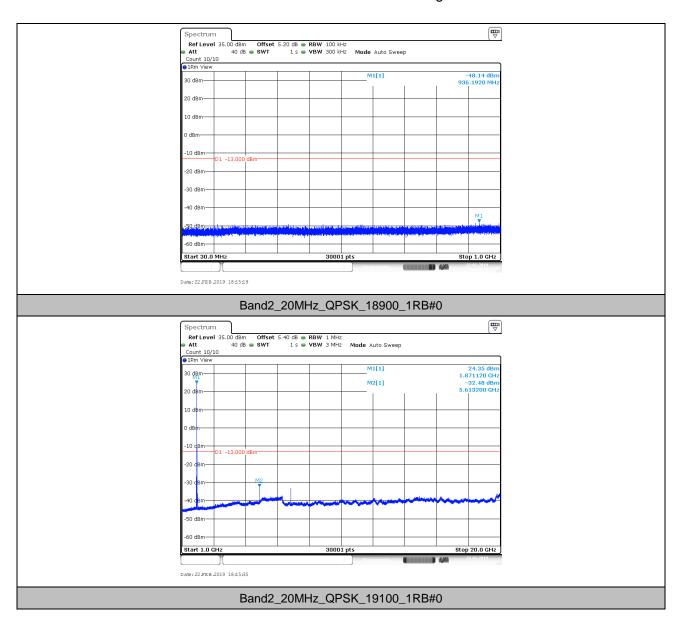






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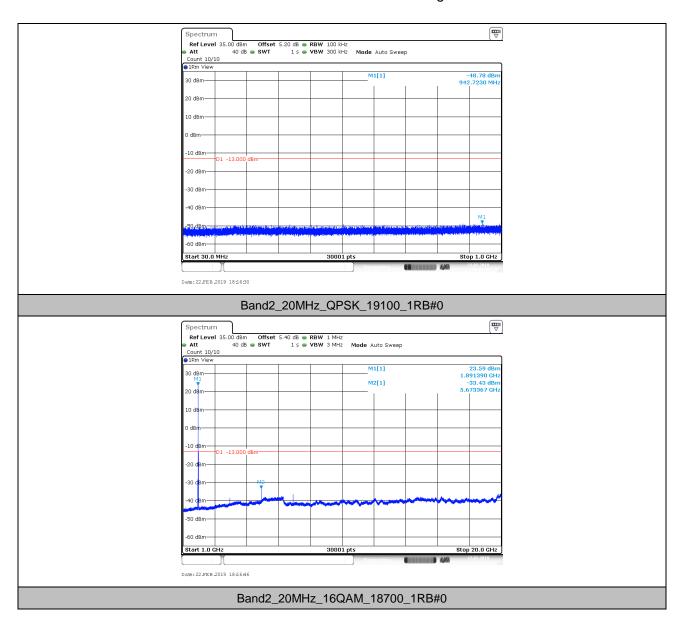
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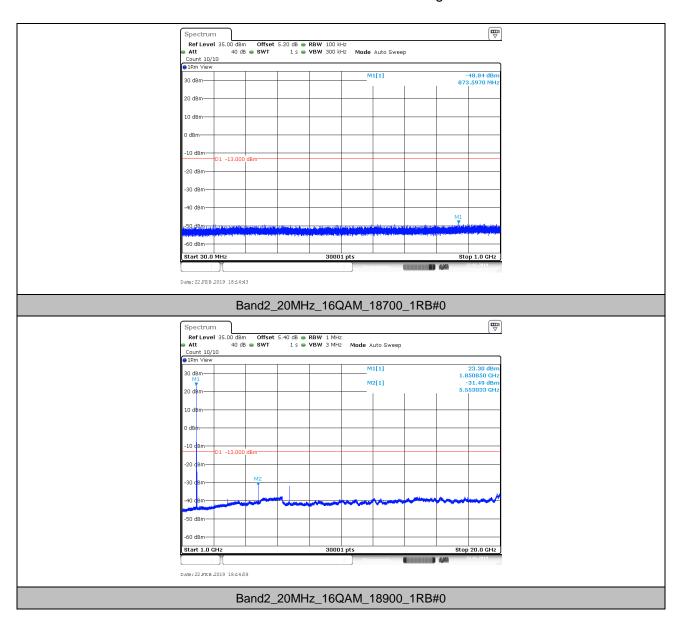
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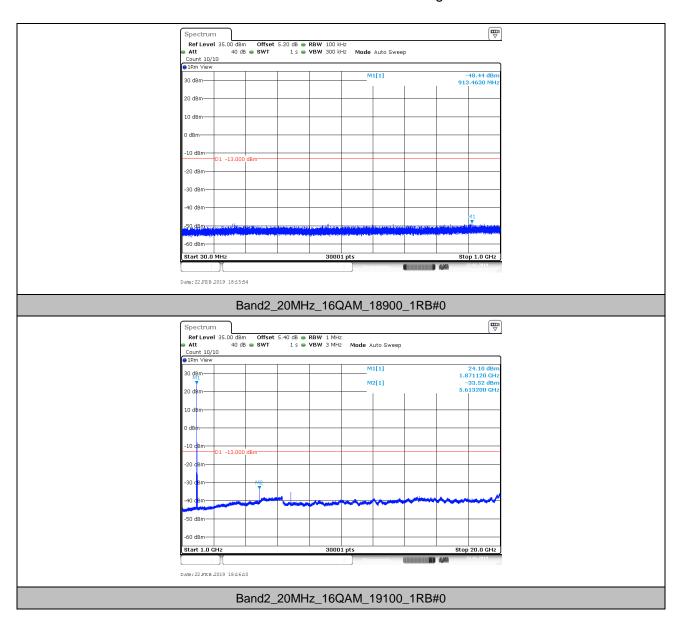
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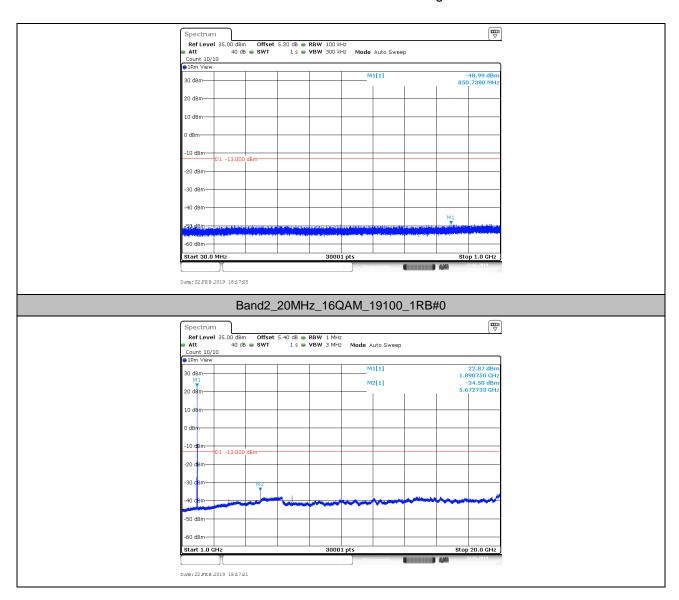






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### 7. Field Strength of Spurious Radiation

#### 7.1. Test BAND = LTE Band 2

#### 7.1.1.Test Mode =LTE/TM1 20MHz

#### 7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.7219	-69.33	-13.00	56.33	Vertical
111.1446	-65.14	-13.00	52.14	Vertical
2701.9404	-37.79	-13.00	24.79	Vertical
5553.5851	-37.67	-13.00	24.67	Vertical
7404.1468	-46.07	-13.00	33.07	Vertical
17997.4999	-32.32	-13.00	19.32	Vertical
46.8303	-64.35	-13.00	51.35	Horizontal
240.1610	-68.97	-13.00	55.97	Horizontal
2700.7401	-36.68	-13.00	23.68	Horizontal
5553.0851	-37.93	-13.00	24.93	Horizontal
7404.1468	-45.31	-13.00	32.31	Horizontal
16400.4467	-37.65	-13.00	24.65	Horizontal

### 7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.7219	-69.65	-13.00	56.65	Vertical
110.0290	-65.17	-13.00	52.17	Vertical
525.3068	-66.98	-13.00	53.98	Vertical
5613.0871	-42.01	-13.00	29.01	Vertical
7484.1495	-49.97	-13.00	36.97	Vertical
17988.9996	-32.73	-13.00	19.73	Vertical
39.0215	-63.87	-13.00	50.87	Horizontal
228.8114	-68.45	-13.00	55.45	Horizontal
2699.5399	-36.48	-13.00	23.48	Horizontal
5613.0871	-39.35	-13.00	26.35	Horizontal
7484.1495	-49.65	-13.00	36.65	Horizontal
17975.9992	-37.47	-13.00	24.47	Horizontal



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### 7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.7219	-69.50	-13.00	56.50	Vertical
110.5140	-65.20	-13.00	52.20	Vertical
2691.5383	-37.52	-13.00	24.52	Vertical
3782.0261	-52.26	-13.00	39.26	Vertical
5673.0891	-43.58	-13.00	30.58	Vertical
17967.4989	-33.07	-13.00	20.07	Vertical
43.2897	-63.61	-13.00	50.61	Horizontal
232.7886	-68.41	-13.00	55.41	Horizontal
2696.3393	-36.58	-13.00	23.58	Horizontal
3782.5261	-53.54	-13.00	40.54	Horizontal
5673.5891	-40.55	-13.00	27.55	Horizontal
17987.4996	-37.70	-13.00	24.70	Horizontal

#### Remark:

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 had been displayed.

We have tested all modulation and all Bandwidth, but only the worst case data presented in this report.



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### 8. Frequency Stability

### 8.1. Frequency Vs Voltage

	Voltage											
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict		
Band2	20MHz	QPSK	18700	100RB#0	VL	NT	-0.30	-0.000161	±2.5	PASS		
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	1.70	0.000914	±2.5	PASS		
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	-0.20	-0.000108	±2.5	PASS		
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-3.20	-0.001702	±2.5	PASS		
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-3.40	-0.001809	±2.5	PASS		
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-2.30	-0.001223	±2.5	PASS		
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	-4.40	-0.002316	±2.5	PASS		
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-4.40	-0.002316	±2.5	PASS		
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-4.90	-0.002579	±2.5	PASS		
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	2.60	0.001398	±2.5	PASS		
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	2.20	0.001183	±2.5	PASS		
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	1.90	0.001022	±2.5	PASS		
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-3.90	-0.002074	±2.5	PASS		
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-3.10	-0.001649	±2.5	PASS		
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	-4.10	-0.002181	±2.5	PASS		
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	-1.60	-0.000842	±2.5	PASS		
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	-3.40	-0.001789	±2.5	PASS		
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	-1.20	-0.000632	±2.5	PASS		

### 8.2. Frequency Vs Temperature

Temperatur	е									
BAND	DAND D LIN	Modulation	Channel	RB	Voltage	Temperature	Deviation	Deviation	Limit	Verdict
DAND	Bandwidth	iviodulation	Charmer	Configure	[Vdc]	(°C)	(Hz)	(ppm)	(ppm)	verdict
Band2	20MHz	QPSK	18700	100RB#0	NV	-30	1.00	0.000538	±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	0	0.30	0.000161	±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	20	2.30	0.001237	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	1.10	0.000591	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	1.00	0.000538	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	0.40	0.000215	±2.5	PASS



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Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-3.80	-0.002021	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-3.00	-0.001596	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-1.80	-0.000957	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-4.40	-0.002340	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-1.70	-0.000904	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-4.30	-0.002287	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-3.70	-0.001968	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-3.60	-0.001915	±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	-3.70	-0.001947	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	-3.30	-0.001737	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-3.20	-0.001684	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-2.30	-0.001211	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	-1.90	-0.001000	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	-1.80	-0.000947	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	-1.20	-0.000632	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	-0.20	-0.000108	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	0.40	0.000215	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	1.60	0.000860	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	1.20	0.000645	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	1.40	0.000753	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	2.40	0.001290	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	2.60	0.001398	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	0.90	0.000484	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-3.50	-0.001862	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-2.80	-0.001489	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-1.30	-0.000691	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-1.70	-0.000904	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-3.00	-0.001596	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-2.50	-0.001330	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	-3.00	-0.001596	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-2.60	-0.001383	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-1.60	-0.000842	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	-1.60	-0.000842	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	-1.80	-0.000947	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-3.40	-0.001789	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	-3.60	-0.001895	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	-3.20	-0.001684	±2.5	PASS



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Band2	20MHz	16QAM	19100	100RB#0	NV	40	-2.70	-0.001421	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-2.50	-0.001316	±2.5	PASS

The End



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