



LTE-Bnad 2 RF Test Data

Product Name: PDA

Trade Mark: N/A

Test Model: W50

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Simba Huang
Supervised by:	Seal Chen



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Appendix A.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	22.79	24.89	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.89	24.99	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.79	24.89	33	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.88	23.98	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.89	24.99	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.87	24.97	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.8	24.9	33	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.83	23.93	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.78	24.88	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.36	24.46	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.49	24.59	33	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.5	23.6	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.04	24.14	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	21.84	23.94	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	21.86	23.96	33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	20.86	22.96	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.15	24.25	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.91	24.01	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.03	24.13	33	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	20.84	22.94	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	21.48	23.58	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	21.55	23.65	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	21.65	23.75	33	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	20.49	22.59	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.79	24.89	33	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.88	24.98	33	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.79	24.89	33	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.86	23.96	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.65	24.75	33	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.84	24.94	33	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.81	24.91	33	PASS



Band2	3MHz	QPSK	18900	15RB#0	21.77	23.87	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.74	24.84	33	PASS
Band2	3MHz	QPSK	19185	1RB#8	22.52	24.62	33	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.35	24.45	33	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.56	23.66	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	21.8	23.9	33	PASS
Band2	3MHz	16QAM	18615	1RB#8	21.89	23.99	33	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.97	24.07	33	PASS
Band2	3MHz	16QAM	18615	15RB#0	20.87	22.97	33	PASS
Band2	3MHz	16QAM	18900	1RB#0	21.94	24.04	33	PASS
Band2	3MHz	16QAM	18900	1RB#8	21.84	23.94	33	PASS
Band2	3MHz	16QAM	18900	1RB#14	21.94	24.04	33	PASS
Band2	3MHz	16QAM	18900	15RB#0	20.92	23.02	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	21.39	23.49	33	PASS
Band2	3MHz	16QAM	19185	1RB#8	21.64	23.74	33	PASS
Band2	3MHz	16QAM	19185	1RB#14	21.59	23.69	33	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.49	22.59	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.86	24.96	33	PASS
Band2	5MHz	QPSK	18625	1RB#12	22.85	24.95	33	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.89	24.99	33	PASS
Band2	5MHz	QPSK	18625	25RB#0	21.91	24.01	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.63	24.73	33	PASS
Band2	5MHz	QPSK	18900	1RB#12	22.91	25.01	33	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.89	24.99	33	PASS
Band2	5MHz	QPSK	18900	25RB#0	21.73	23.83	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.47	24.57	33	PASS
Band2	5MHz	QPSK	19175	1RB#12	22.48	24.58	33	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.42	24.52	33	PASS
Band2	5MHz	QPSK	19175	25RB#0	21.57	23.67	33	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.1	24.2	33	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.1	24.2	33	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.17	24.27	33	PASS
Band2	5MHz	16QAM	18625	25RB#0	20.93	23.03	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.12	24.22	33	PASS
Band2	5MHz	16QAM	18900	1RB#12	21.86	23.96	33	PASS
Band2	5MHz	16QAM	18900	1RB#24	21.96	24.06	33	PASS
Band2	5MHz	16QAM	18900	25RB#0	20.82	22.92	33	PASS



Band2	5MHz	16QAM	19175	1RB#0	21.55	23.65	33	PASS
Band2	5MHz	16QAM	19175	1RB#12	21.66	23.76	33	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.56	23.66	33	PASS
Band2	5MHz	16QAM	19175	25RB#0	20.57	22.67	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.91	25.01	33	PASS
Band2	10MHz	QPSK	18650	1RB#24	22.97	25.07	33	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.87	24.97	33	PASS
Band2	10MHz	QPSK	18650	50RB#0	21.95	24.05	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.36	24.46	33	PASS
Band2	10MHz	QPSK	18900	1RB#24	22.91	25.01	33	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.84	24.94	33	PASS
Band2	10MHz	QPSK	18900	50RB#0	21.84	23.94	33	PASS
Band2	10MHz	QPSK	19150	1RB#0	22.65	24.75	33	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.59	24.69	33	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.5	24.6	33	PASS
Band2	10MHz	QPSK	19150	50RB#0	21.59	23.69	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	21.87	23.97	33	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.01	24.11	33	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.11	24.21	33	PASS
Band2	10MHz	16QAM	18650	50RB#0	20.87	22.97	33	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.07	24.17	33	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.24	24.34	33	PASS
Band2	10MHz	16QAM	18900	1RB#49	21.94	24.04	33	PASS
Band2	10MHz	16QAM	18900	50RB#0	20.87	22.97	33	PASS
Band2	10MHz	16QAM	19150	1RB#0	21.67	23.77	33	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.72	23.82	33	PASS
Band2	10MHz	16QAM	19150	1RB#49	21.59	23.69	33	PASS
Band2	10MHz	16QAM	19150	50RB#0	20.62	22.72	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.61	24.71	33	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.76	24.86	33	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.78	24.88	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	21.84	23.94	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.47	24.57	33	PASS
Band2	15MHz	QPSK	18900	1RB#38	22.71	24.81	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.51	24.61	33	PASS
Band2	15MHz	QPSK	18900	75RB#0	21.68	23.78	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	22.56	24.66	33	PASS



Band2	15MHz	QPSK	19125	1RB#38	22.3	24.4	33	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.32	24.42	33	PASS
Band2	15MHz	QPSK	19125	75RB#0	21.49	23.59	33	PASS
Band2	15MHz	16QAM	18675	1RB#0	21.76	23.86	33	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.08	24.18	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	21.82	23.92	33	PASS
Band2	15MHz	16QAM	18675	75RB#0	20.74	22.84	33	PASS
Band2	15MHz	16QAM	18900	1RB#0	21.77	23.87	33	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.21	24.31	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	21.67	23.77	33	PASS
Band2	15MHz	16QAM	18900	75RB#0	20.68	22.78	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.44	23.54	33	PASS
Band2	15MHz	16QAM	19125	1RB#38	21.51	23.61	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.44	23.54	33	PASS
Band2	15MHz	16QAM	19125	75RB#0	20.49	22.59	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.55	24.65	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	22.57	24.67	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.67	24.77	33	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.78	23.88	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.36	24.46	33	PASS
Band2	20MHz	QPSK	18900	1RB#49	22.7	24.8	33	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.39	24.49	33	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.63	23.73	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.45	24.55	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	22.36	24.46	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.29	24.39	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	21.53	23.63	33	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.77	23.87	33	PASS
Band2	20MHz	16QAM	18700	1RB#49	21.75	23.85	33	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.82	23.92	33	PASS
Band2	20MHz	16QAM	18700	100RB#0	20.78	22.88	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.89	23.99	33	PASS
Band2	20MHz	16QAM	18900	1RB#49	21.92	24.02	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	21.83	23.93	33	PASS
Band2	20MHz	16QAM	18900	100RB#0	20.7	22.8	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	21.51	23.61	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.63	23.73	33	PASS



Band2	20MHz	16QAM	19100	1RB#99	21.37	23.47	33	PASS
Band2	20MHz	16QAM	19100	100RB#0	20.53	22.63	33	PASS

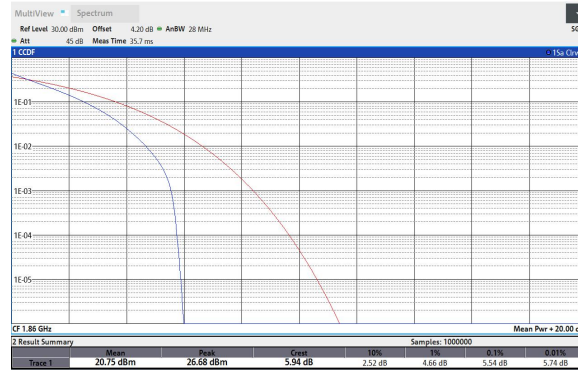
Appendix B. Peak-to-Average Ratio(CCDF)

Test Result

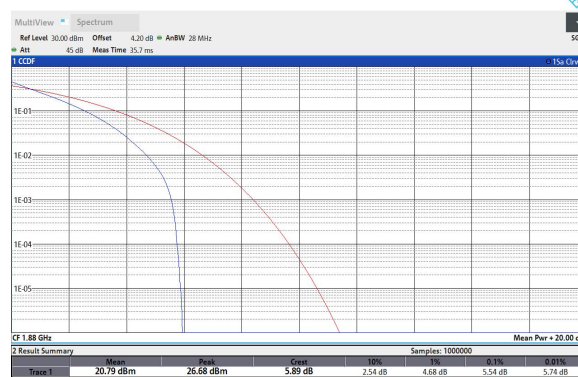
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	5.54	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.54	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.64	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.46	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.46	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.50	13	PASS

Test Graphs

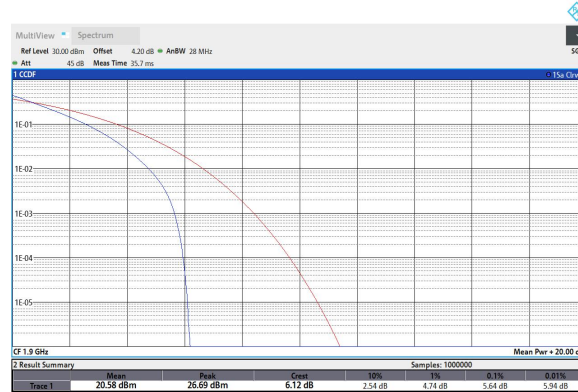
Band2-20MHz-QPSK-18700-100RB#0



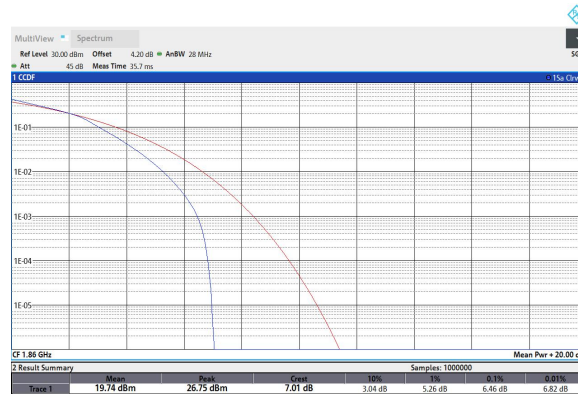
Band2-20MHz-QPSK-18900-100RB#0



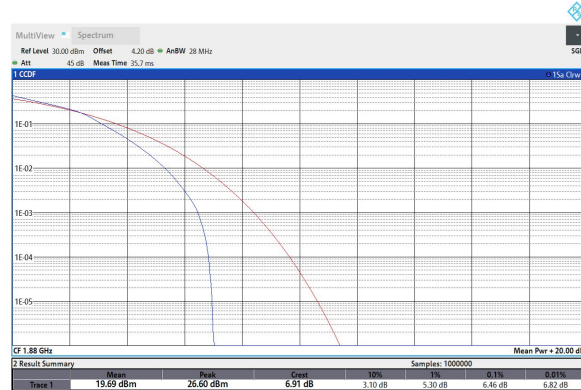
Band2-20MHz-QPSK-19100-100RB#0



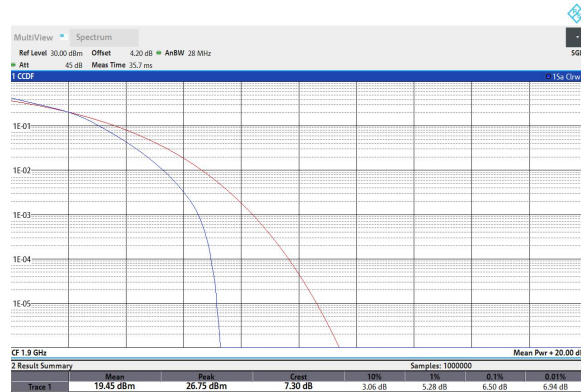
Band2-20MHz-16QAM-18700-100RB#0



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



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



Appendix C.26dB Bandwidth and Occupied Bandwidth

Test Result

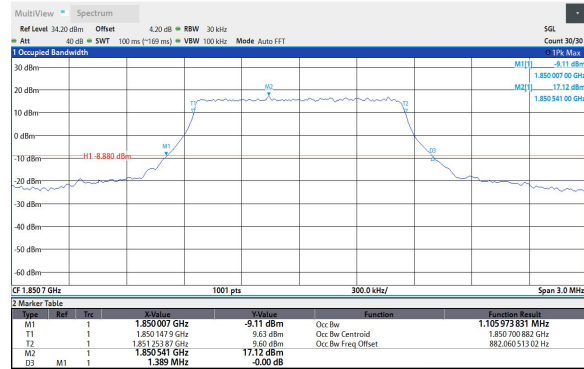
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.106	1.39	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.109	1.39	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.106	1.40	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.105	1.37	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.103	1.43	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.104	1.39	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.693	2.95	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.693	2.94	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.698	2.95	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.684	2.95	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.682	2.92	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.686	3.02	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.473	5.06	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.479	5.05	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.474	4.98	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.477	5.07	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.477	5.04	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.479	5.03	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.96	9.88	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.96	9.84	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.942	9.94	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.951	9.86	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.965	9.80	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.939	9.88	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.499	14.97	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.471	15.03	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.478	14.97	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.483	15.15	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.459	15.06	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.459	14.97	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.931	19.76	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.941	19.60	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.915	19.76	PASS



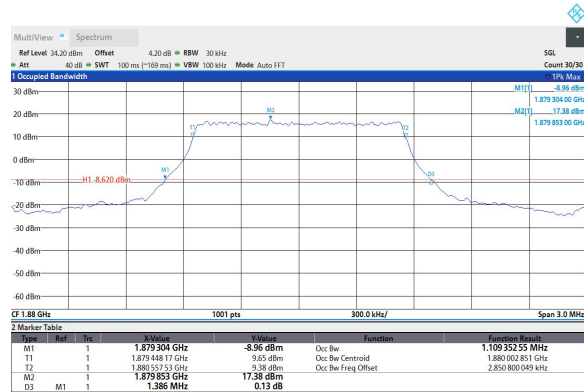
Band2	20MHz	16QAM	18700	100RB#0	17.947	19.68	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.906	19.76	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.921	19.76	PASS

Test Graphs

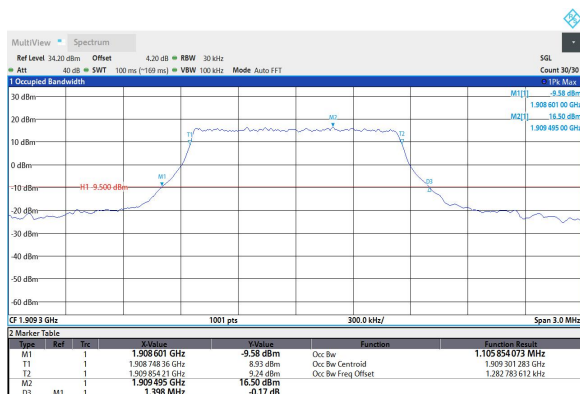
Band2-1.4MHz-QPSK-18607-6RB#0



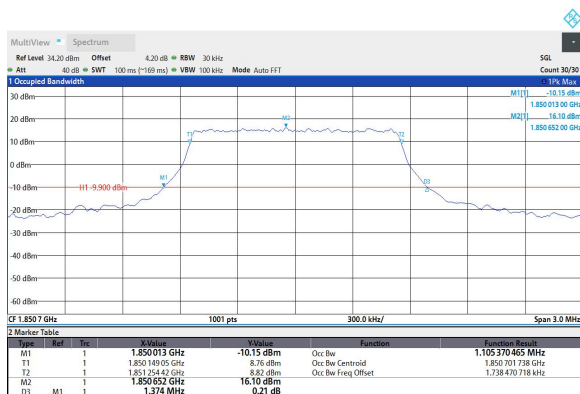
Band2-1.4MHz-QPSK-18900-6RB#0



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



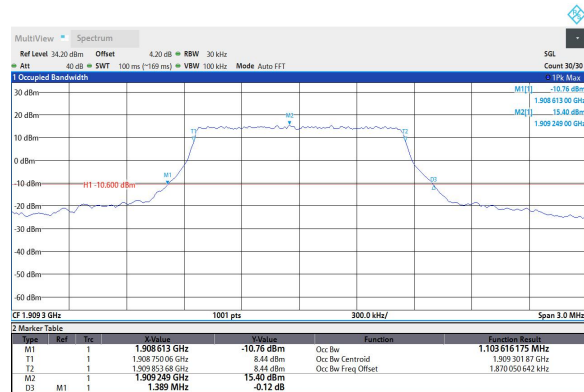
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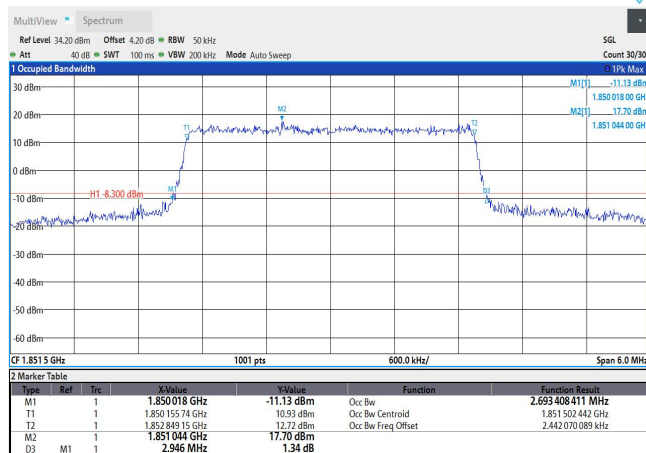
Band2-1.4MHz-16QAM-18900-6RB#0



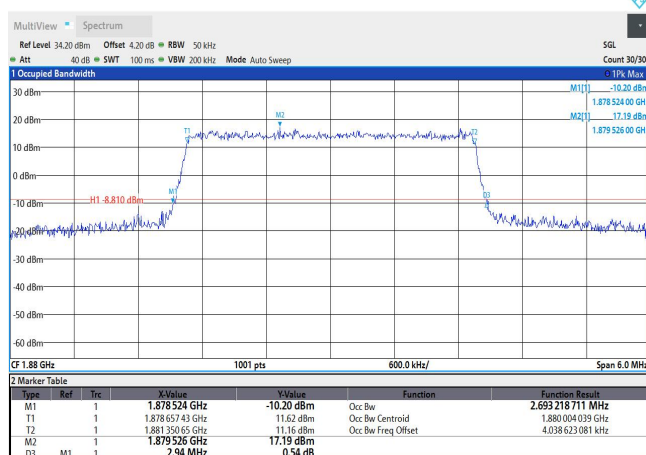
Band2-1.4MHz-16QAM-19193-6RB#0



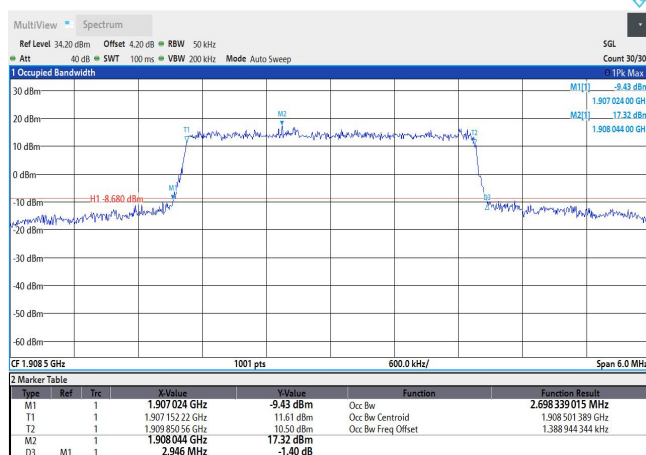
Band2-3MHz-QPSK-18615-15RB#0



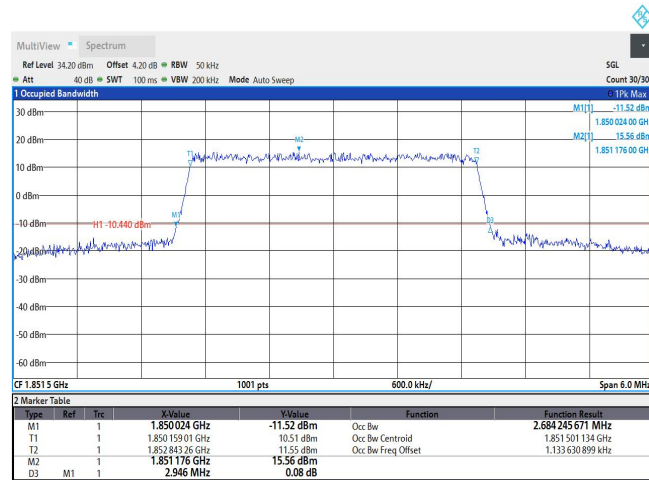
Band2-3MHz-QPSK-18900-15RB#0



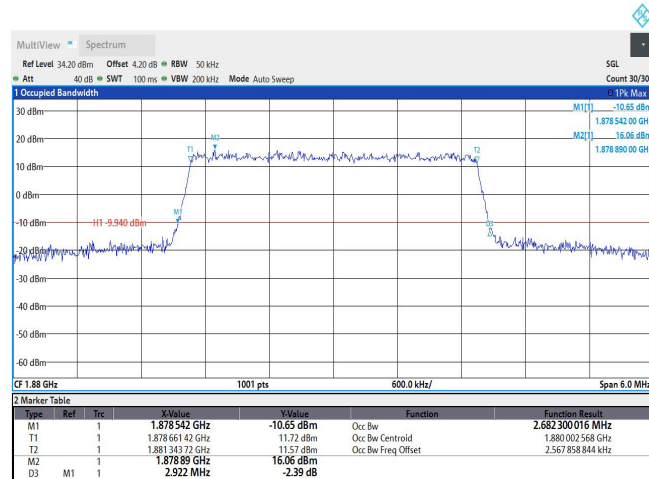
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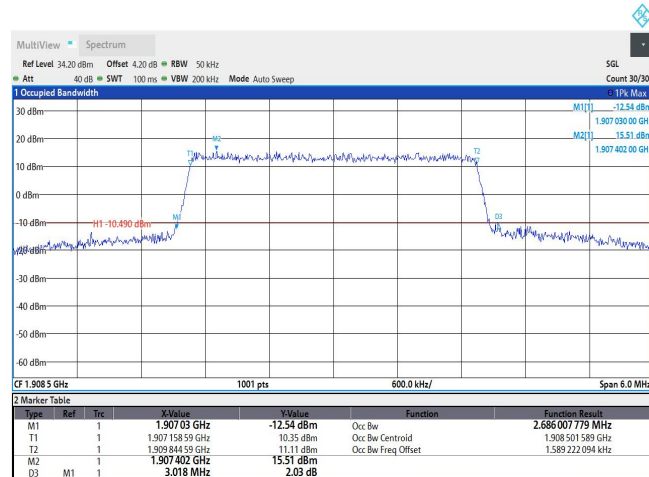
Band2-3MHz-16QAM-18615-15RB#0



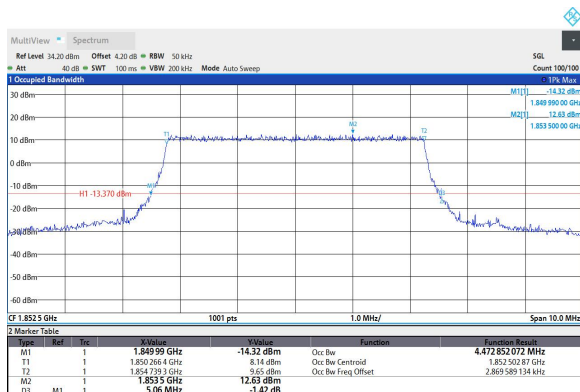
Band2-3MHz-16QAM-18900-15RB#0



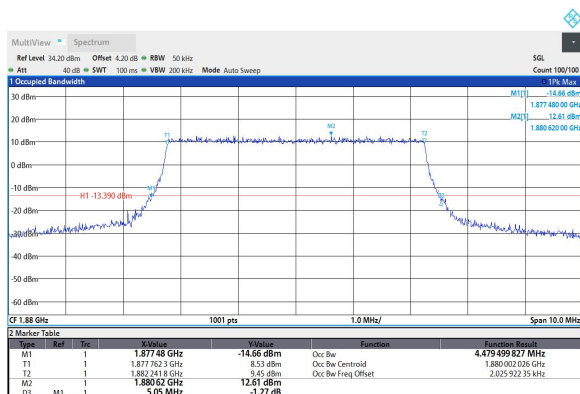
Band2-3MHz-16QAM-19185-15RB#0



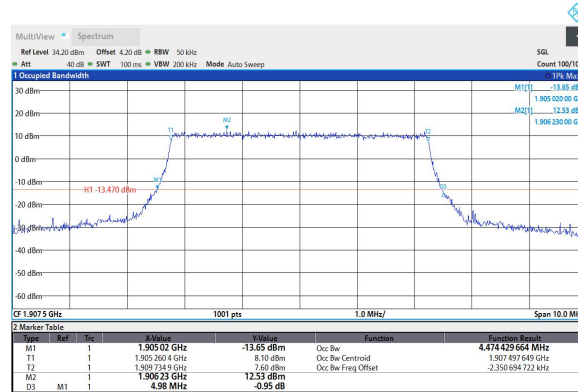
Band2-5MHz-QPSK-18625-25RB#0



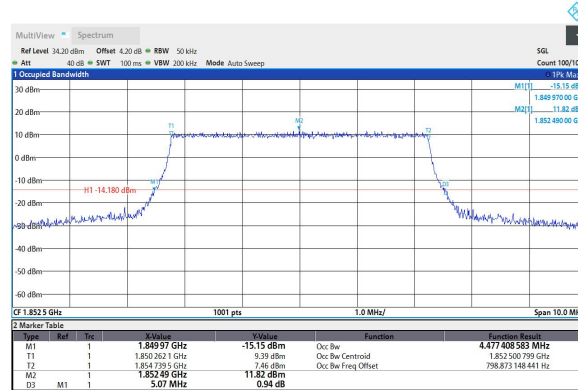
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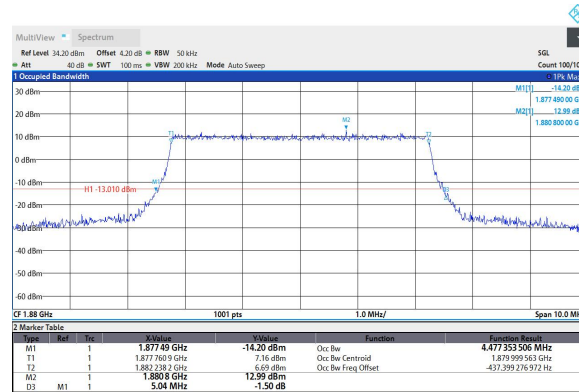
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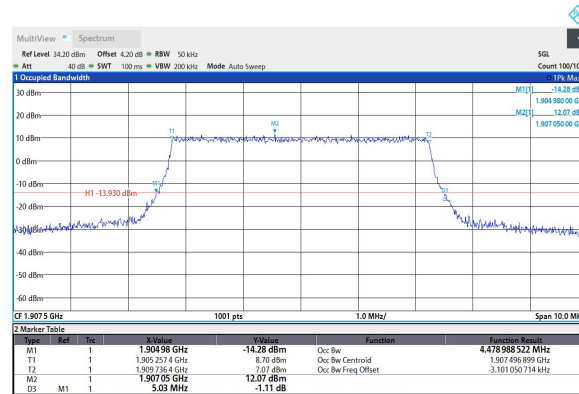
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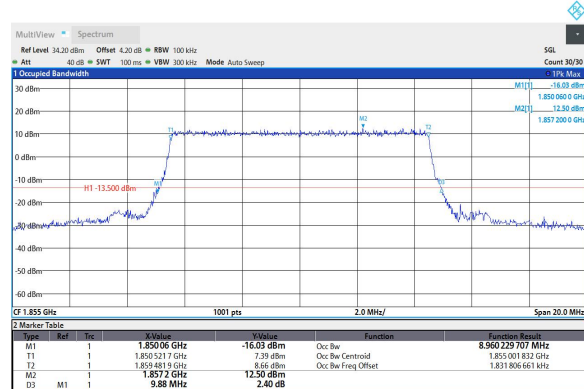
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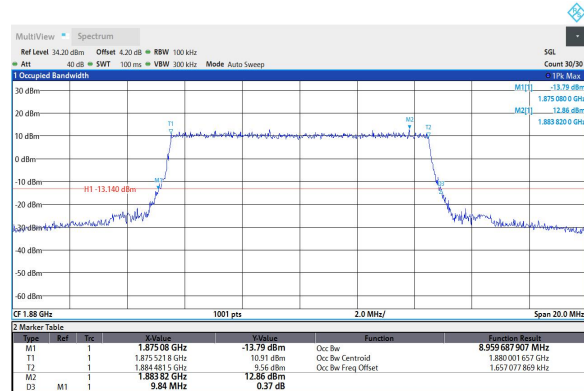
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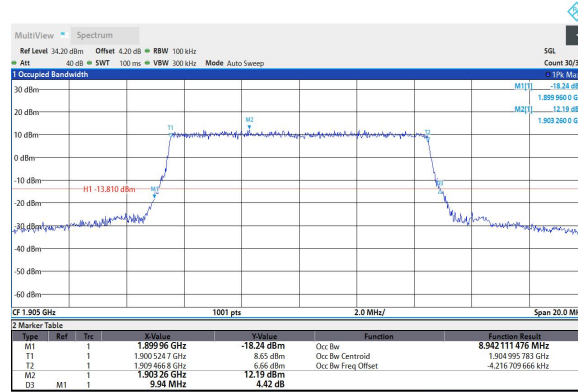
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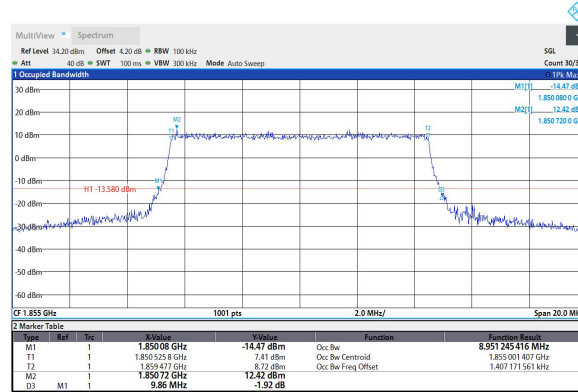
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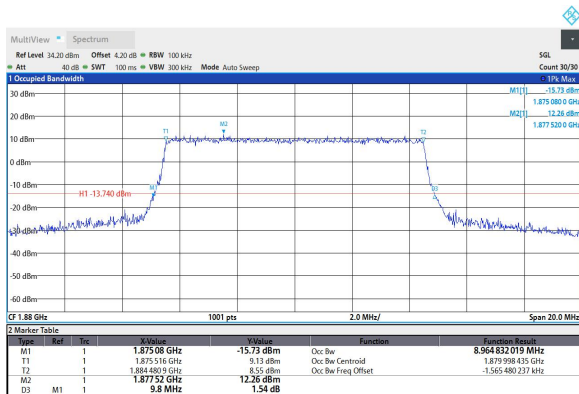
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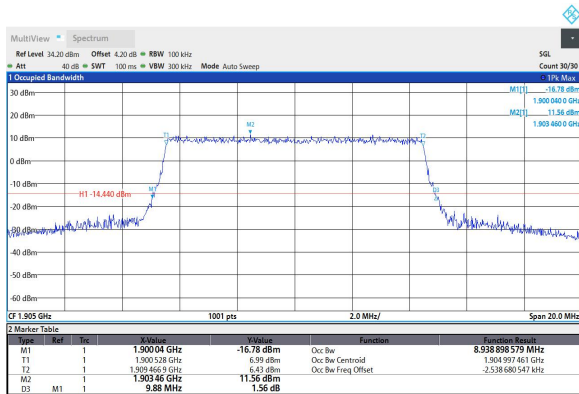
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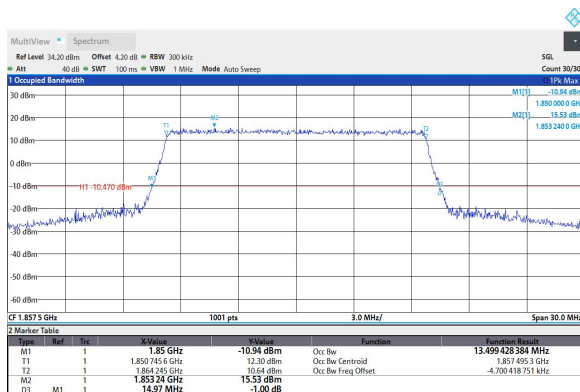
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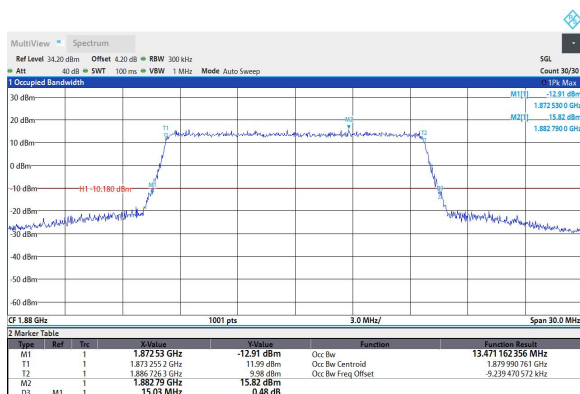
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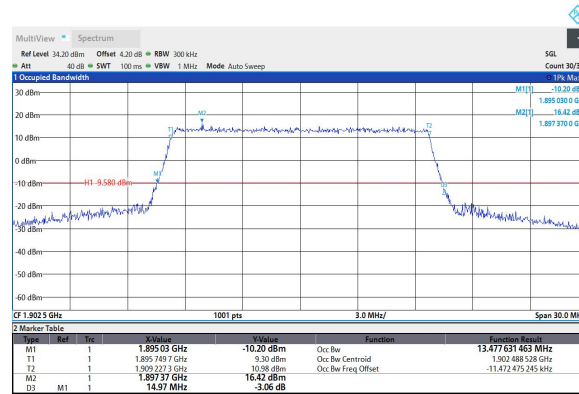
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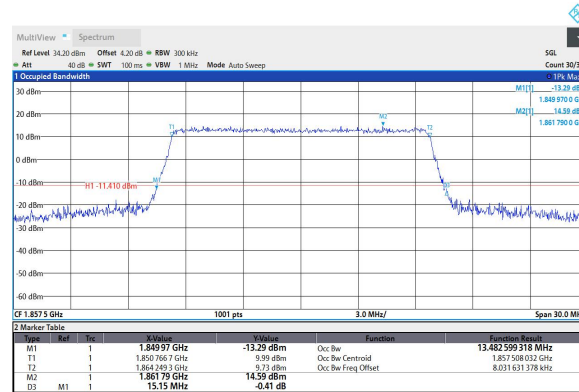
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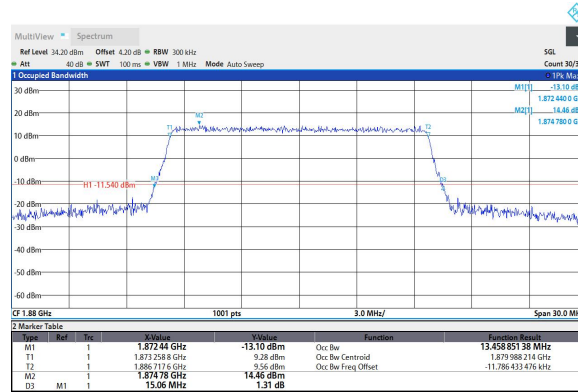
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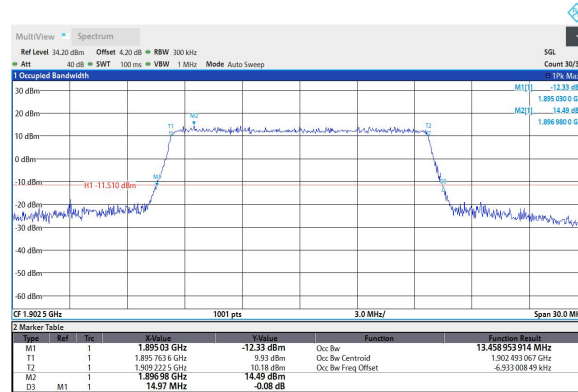
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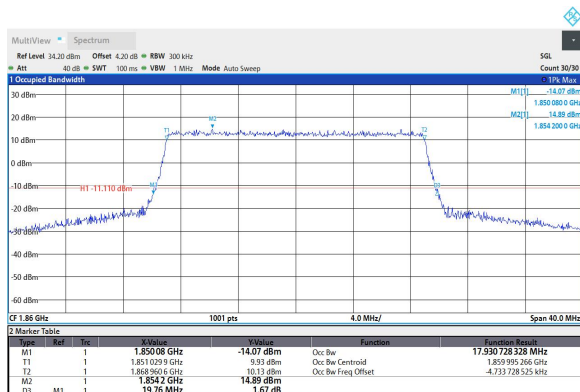
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Band2-15MHz-16QAM-19125-75RB#0



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



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

