

Appendix B.2

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	23.96	24.21	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	24.06	24.31	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.92	24.17	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	23.22	23.47	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	24.03	24.28	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	24.12	24.37	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.95	24.2	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	23.25	23.5	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.99	24.24	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	24.07	24.32	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	24.02	24.27	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	23.29	23.54	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	23.46	23.71	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	23.42	23.67	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	23.23	23.48	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	22.29	22.54	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	23.41	23.66	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	23.47	23.72	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	23.37	23.62	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	22.33	22.58	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	23.38	23.63	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	23.35	23.6	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	23.32	23.57	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	22.27	22.52	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.96	24.21	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	24.17	24.42	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.95	24.2	33.00	PASS



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Band2	3MHz	QPSK	18615	15RB#0	23.22	23.47	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	24.11	24.36	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	24.27	24.52	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	24.15	24.4	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	23.29	23.54	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	24.11	24.36	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	24.27	24.52	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	24.19	24.44	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	23.27	23.52	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	23.37	23.62	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	23.59	23.84	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	23.31	23.56	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	22.28	22.53	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	23.52	23.77	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	23.47	23.72	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	23.39	23.64	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	22.21	22.46	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	23.38	23.63	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	23.52	23.77	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	23.27	23.52	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	22.21	22.46	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	24.11	24.36	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	24.16	24.41	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	24.02	24.27	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	23.20	23.45	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.98	24.23	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	24.01	24.26	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.90	24.15	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	23.27	23.52	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.92	24.17	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	24.02	24.27	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.97	24.22	33.00	PASS



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Band2	5MHz	QPSK	19175	25RB#0	23.21	23.46	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	23.33	23.58	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	23.35	23.6	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	23.32	23.57	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	22.23	22.48	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	23.38	23.63	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	23.51	23.76	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	23.37	23.62	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	22.21	22.46	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	23.38	23.63	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	23.45	23.7	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	23.37	23.62	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	22.27	22.52	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.48	23.73	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.89	24.14	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.42	23.67	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	23.05	23.3	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.49	23.74	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	24.02	24.27	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.47	23.72	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	23.11	23.36	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.98	24.23	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.91	24.16	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	24.02	24.27	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	23.05	23.3	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.88	23.13	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	23.38	23.63	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.71	22.96	33.00	PASS
Band2	10MHz	16QAM	18650	50RB#0	22.07	22.32	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.91	23.16	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	23.47	23.72	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.77	23.02	33.00	PASS



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Band2	10MHz	16QAM	18900	50RB#0	22.05	22.3	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	23.51	23.76	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	23.27	23.52	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	23.33	23.58	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	22.11	22.36	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.97	24.22	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	24.19	24.44	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.98	24.23	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	23.27	23.52	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	24.11	24.36	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	24.25	24.5	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	24.11	24.36	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	23.39	23.64	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	24.21	24.46	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	24.27	24.52	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	24.21	24.46	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	23.29	23.54	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	23.11	23.36	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	23.38	23.63	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	23.31	23.56	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	22.35	22.6	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	23.71	23.96	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	23.68	23.93	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	23.59	23.84	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	22.31	22.56	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	23.41	23.66	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	23.47	23.72	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	23.55	23.8	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	22.29	22.54	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	24.11	24.36	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	24.19	24.44	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	24.21	24.46	33.00	PASS



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Band2	20MHz	QPSK	18700	100RB#0	23.19	23.44	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	24.12	24.37	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	24.17	24.42	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	24.21	24.46	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	23.23	23.48	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	24.15	24.4	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	24.21	24.46	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	24.33	24.58	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	23.27	23.52	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	23.51	23.76	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	23.51	23.76	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	23.62	23.87	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	22.26	22.51	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	23.58	23.83	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	23.72	23.97	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	23.62	23.87	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	22.29	22.54	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	23.61	23.86	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	23.42	23.67	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	23.59	23.84	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	22.27	22.52	33.00	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	5.30	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.72	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.26	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.14	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.50	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.10	13	PASS

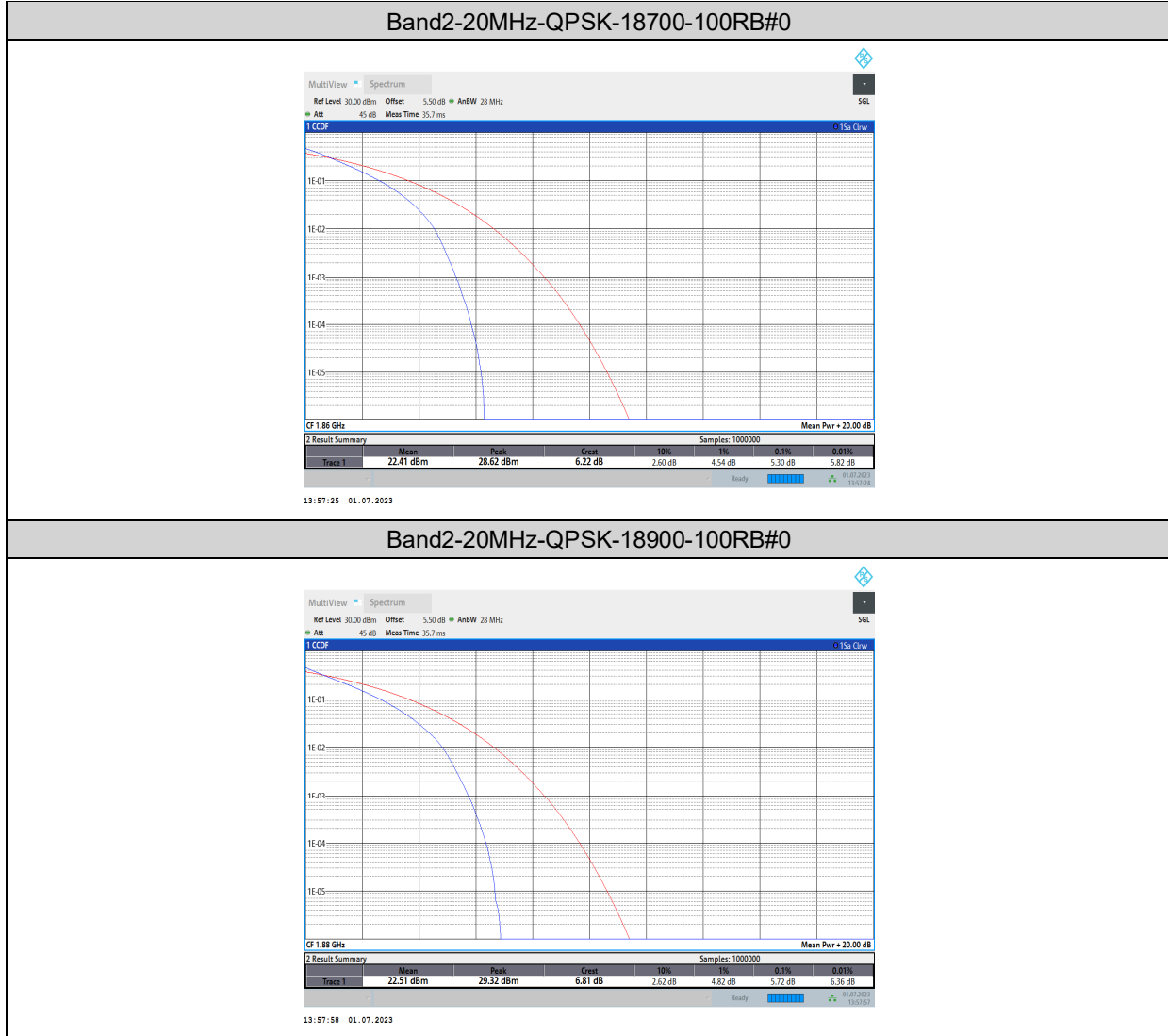


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Test Graphs

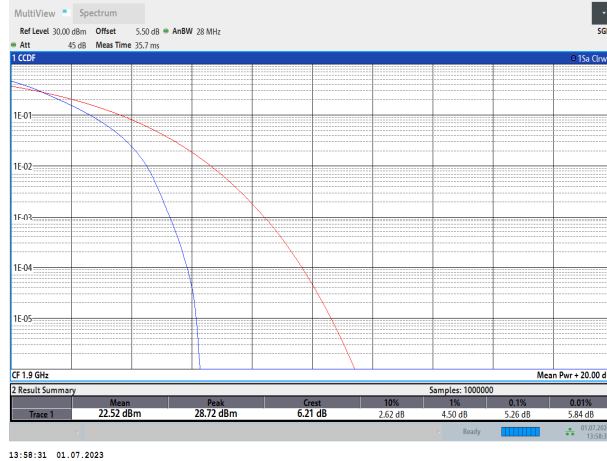


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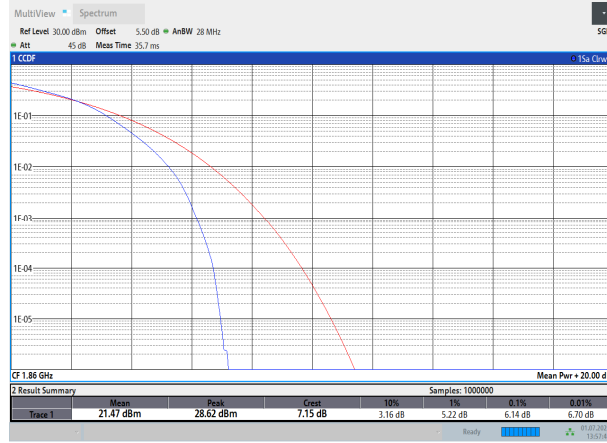
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Band2-20MHz-QPSK-19100-100RB#0



13:58:11 01.07.2023

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



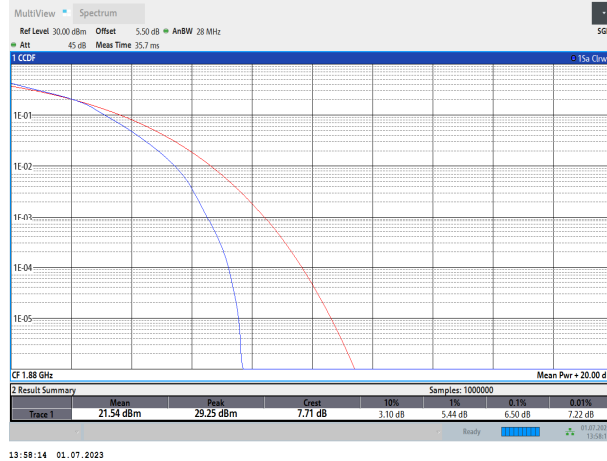
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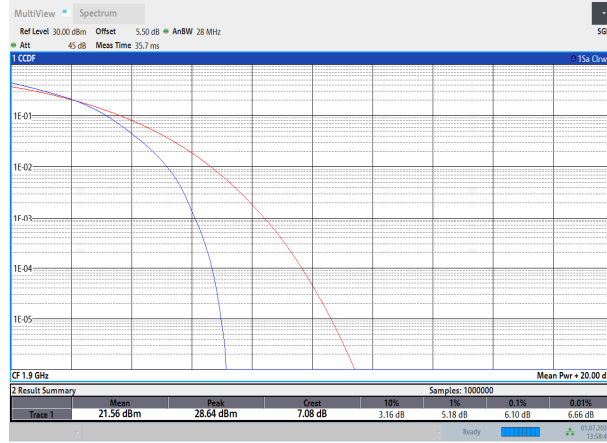
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Band2-20MHz-16QAM-18900-100RB#0



13:58:14 01.07.2023

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



13:58:48 01.07.2023



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Modulation Characteristics

Test Result

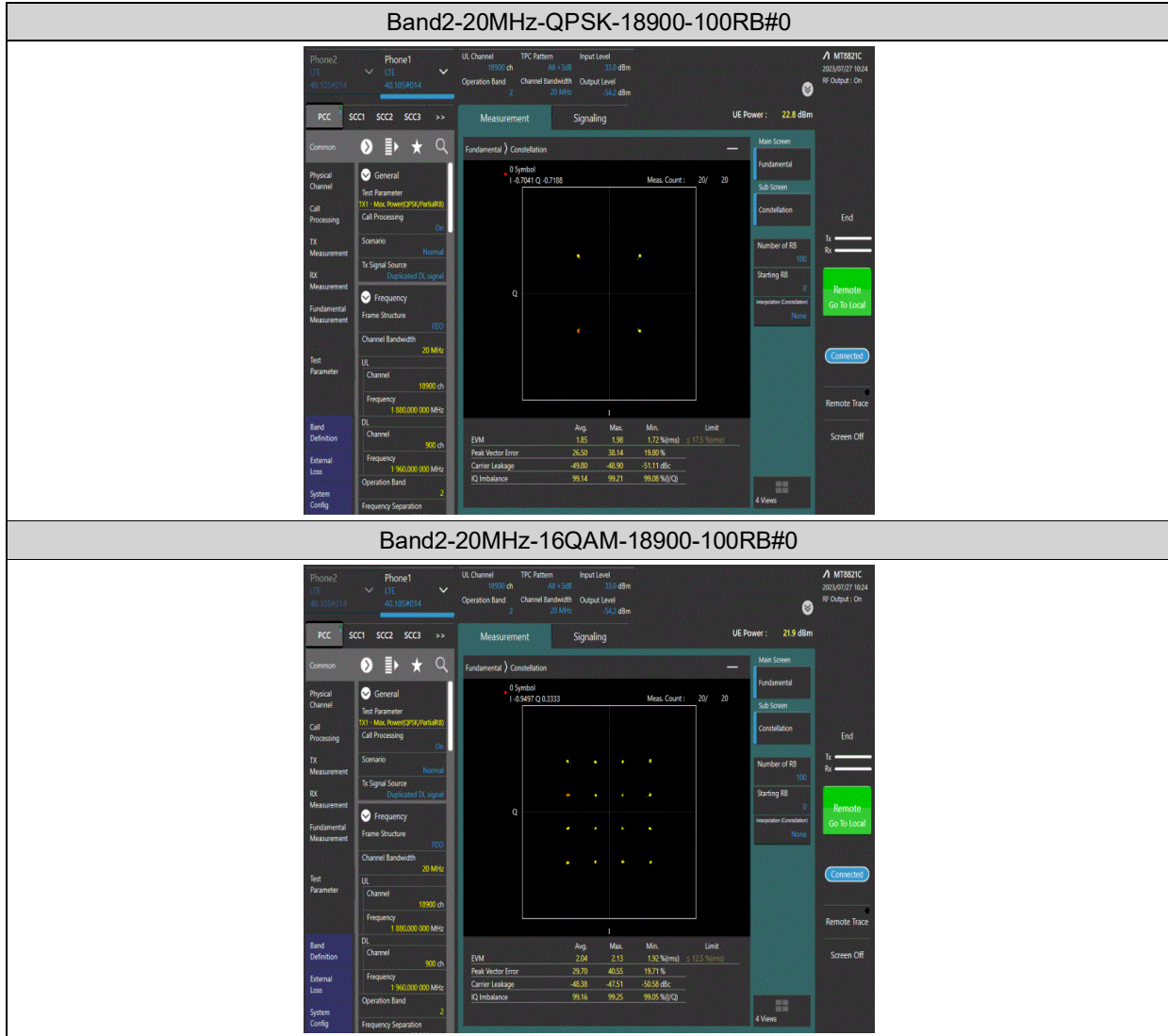
Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band2	20MHz	QPSK	18900	100RB#0	PASS	PASS
Band2	20MHz	16QAM	18900	100RB#0	PASS	PASS



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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	1.24	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.085	1.23	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.085	1.24	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.092	1.24	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.092	1.24	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.092	1.24	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.696	2.97	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.691	2.97	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.698	2.97	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.692	3.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.689	3.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.689	2.99	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.469	4.89	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.471	4.87	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.477	4.89	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.464	4.92	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.47	4.90	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.469	4.91	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.932	9.62	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.94	9.70	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.939	9.66	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.916	9.58	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.93	9.62	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.928	9.58	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.436	14.67	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.497	14.82	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.469	14.70	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.428	14.79	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.483	14.82	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.444	14.61	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.875	19.24	PASS



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Report No.: SEWA2306000089RG01
Rev.: 01
Page: 14 of 54

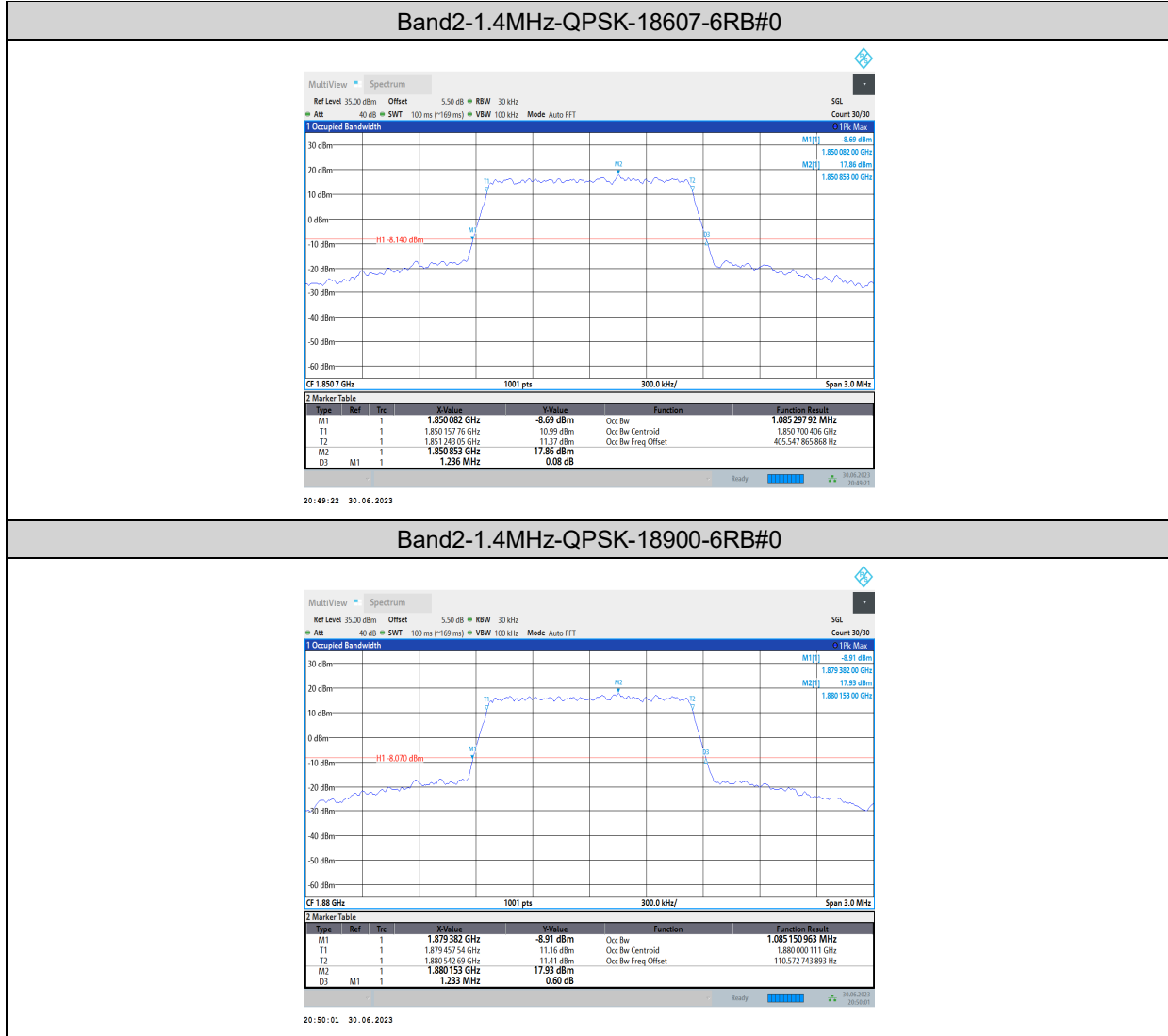
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Band2	20MHz	16QAM	18700	100RB#0	17.868	19.32	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.938	19.52	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.856	19.28	PASS



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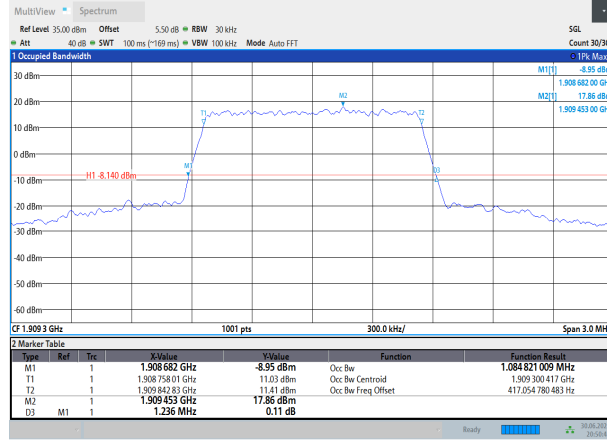


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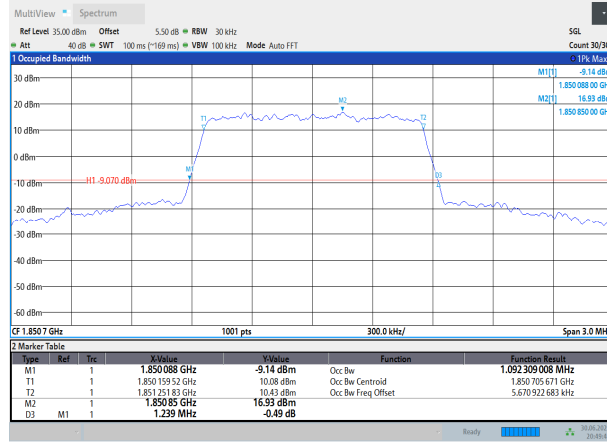
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Band2-1.4MHz-QPSK-19193-6RB#0



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

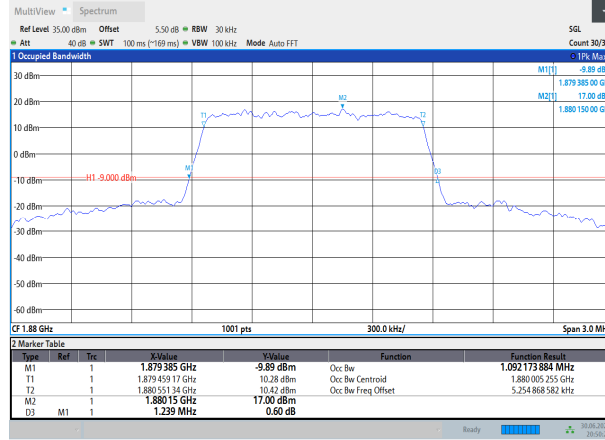


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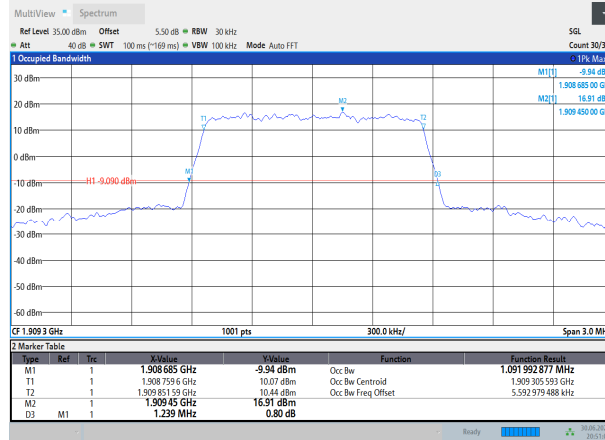
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Band2-1.4MHz-16QAM-18900-6RB#0



20:50:21 30.06.2023

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



20:51:00 30.06.2023

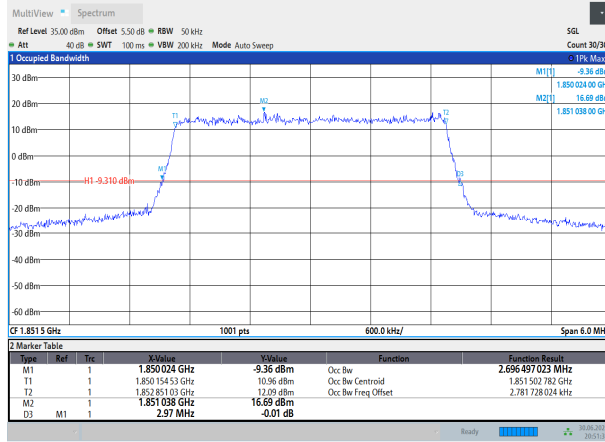


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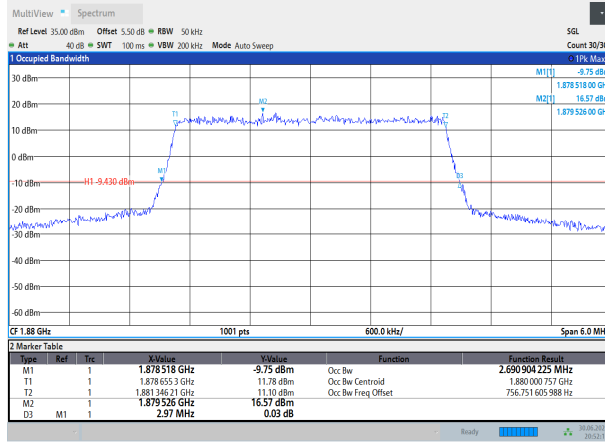
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Band2-3MHz-QPSK-18615-15RB#0



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



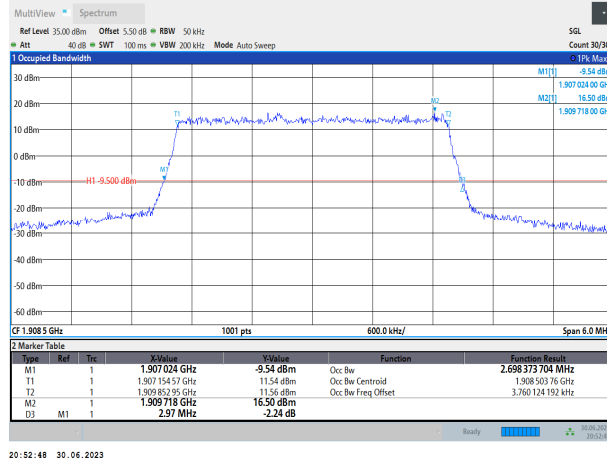
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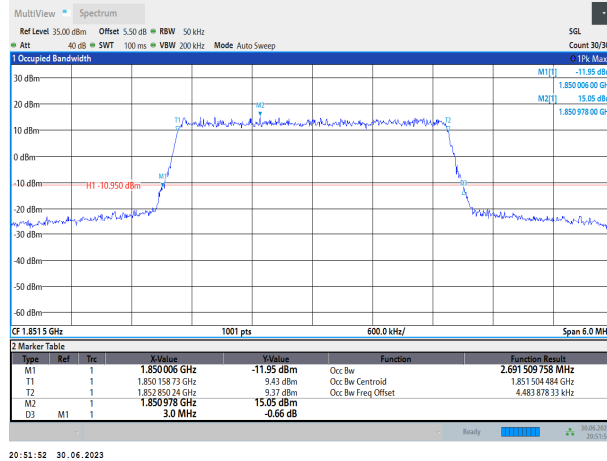
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Band2-3MHz-QPSK-19185-15RB#0



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

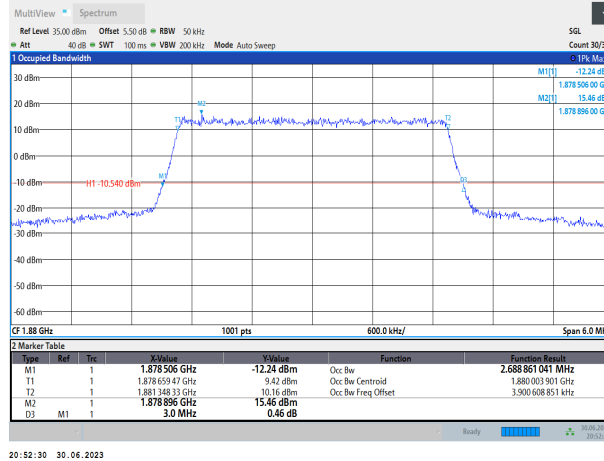


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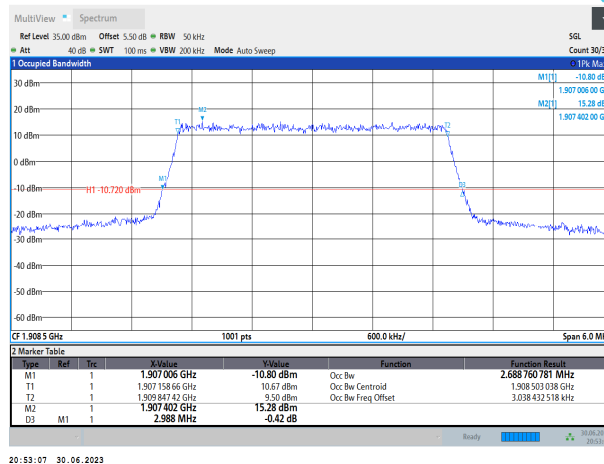
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Band2-3MHz-16QAM-18900-15RB#0



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

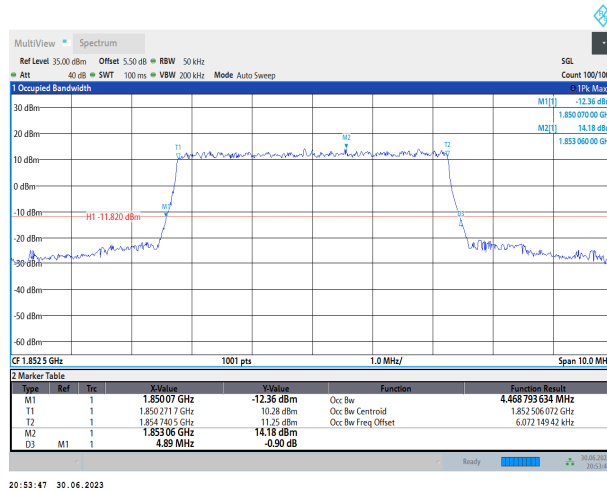


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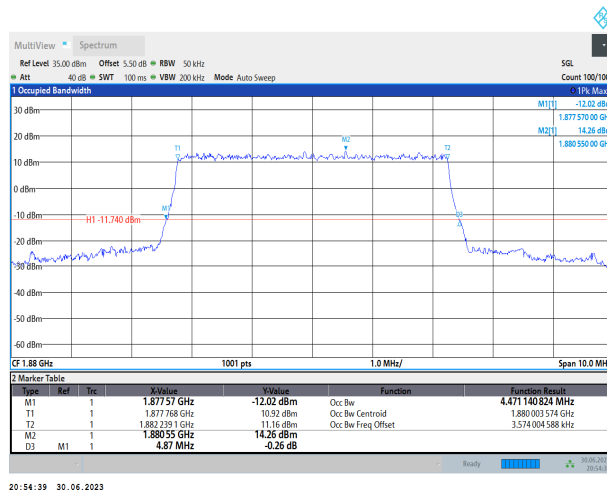
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Band2-5MHz-QPSK-18625-25RB#0



20:53:47 30.06.2023

Band2-5MHz-QPSK-18900-25RB#0



20:54:39 30.06.2023

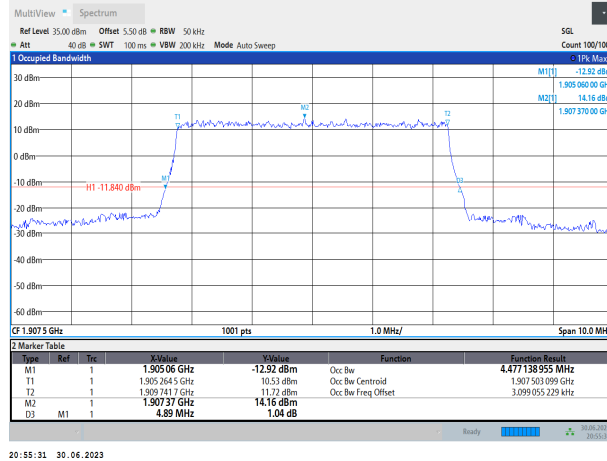


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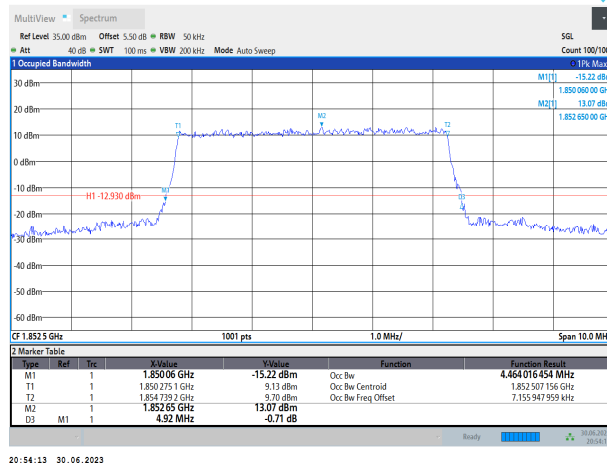
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Band2-5MHz-QPSK-19175-25RB#0



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

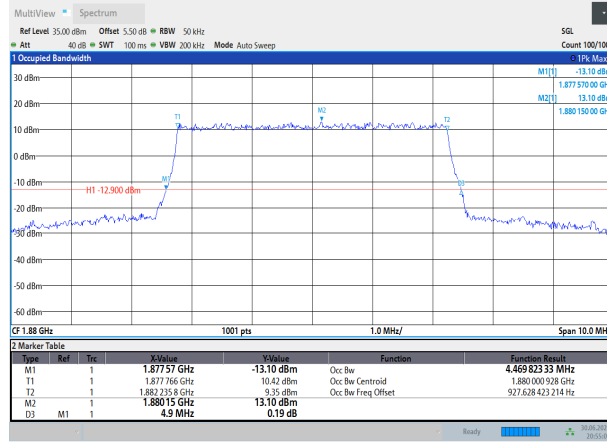


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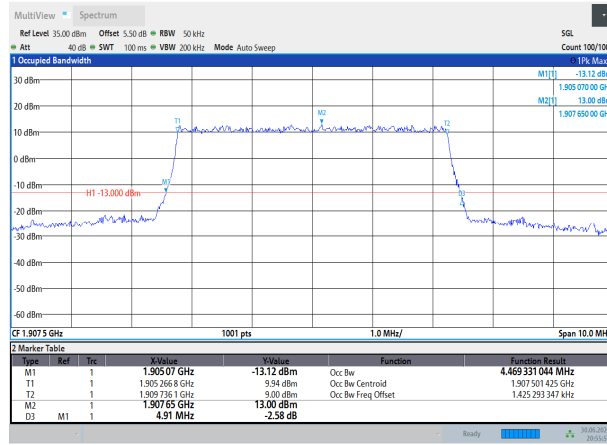
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Band2-5MHz-16QAM-18900-25RB#0



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

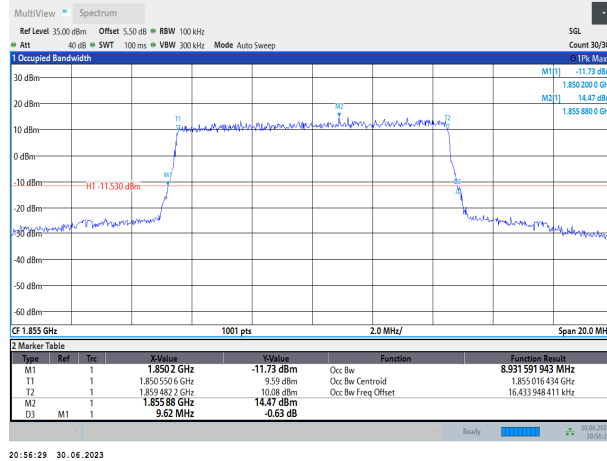


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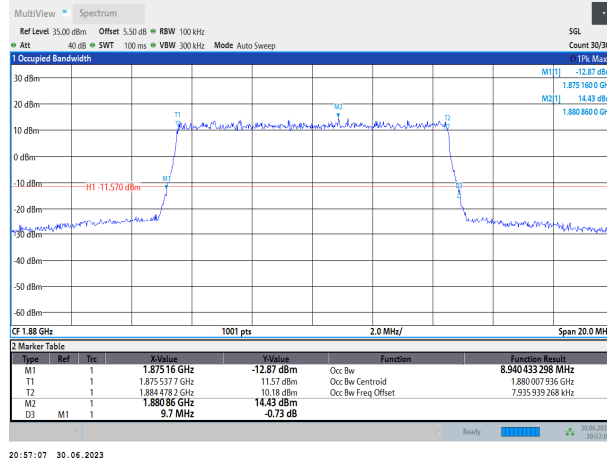
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Band2-10MHz-QPSK-18650-50RB#0



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



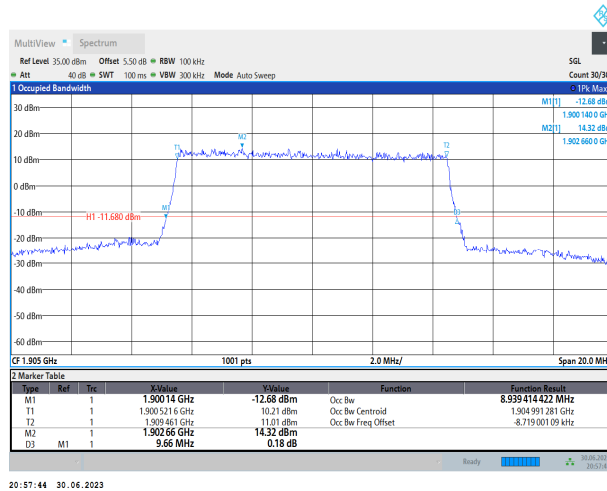
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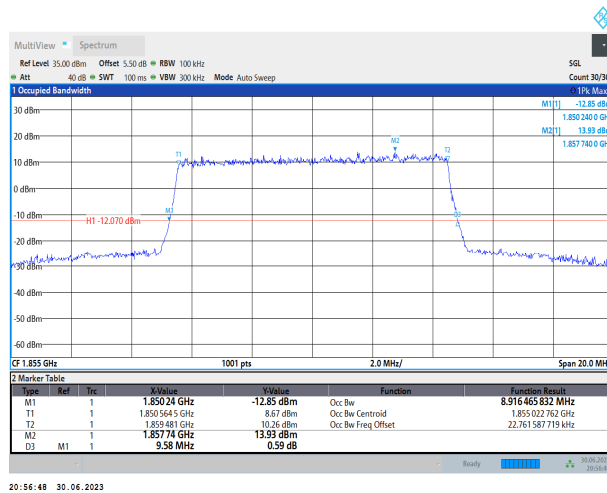
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Band2-10MHz-QPSK-19150-50RB#0



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

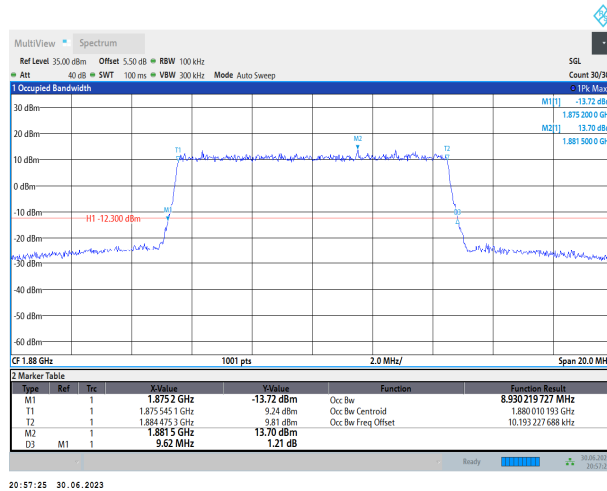


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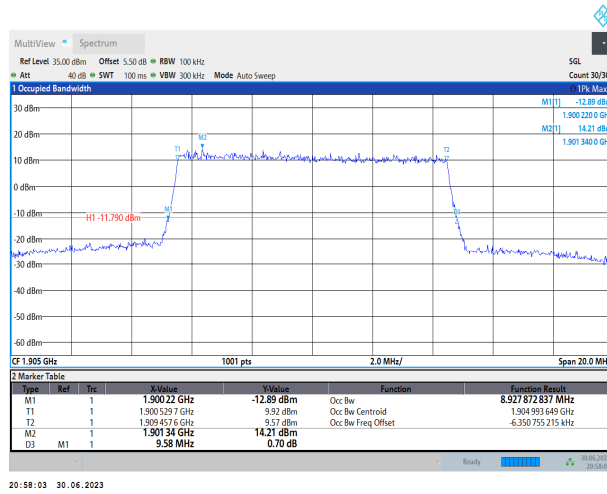
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Band2-10MHz-16QAM-18900-50RB#0



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

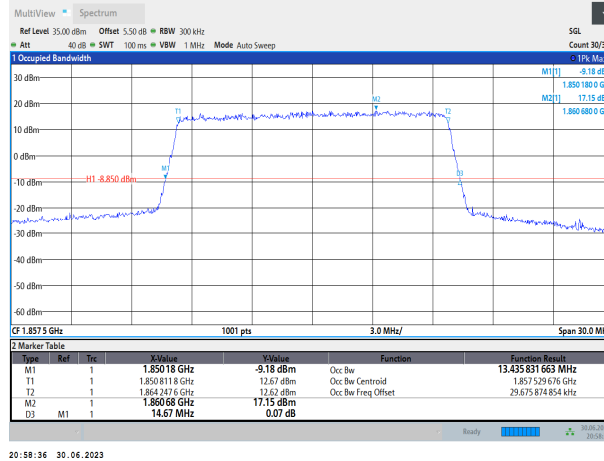


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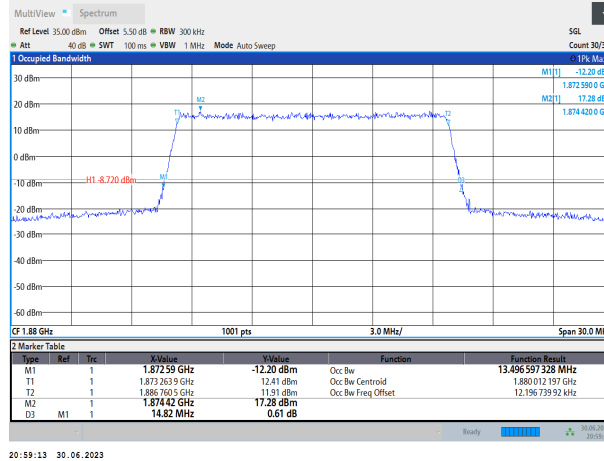
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Band2-15MHz-QPSK-18675-75RB#0



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

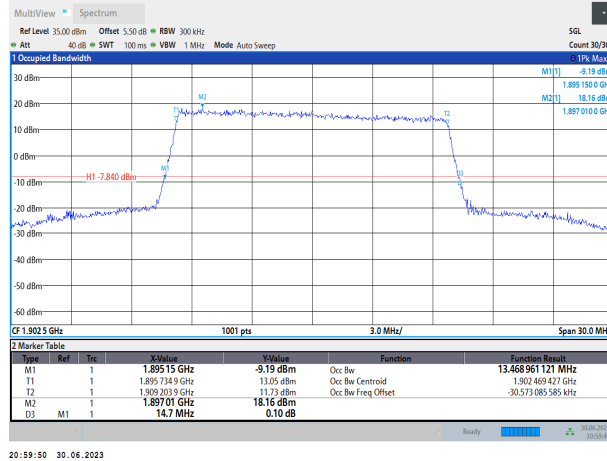


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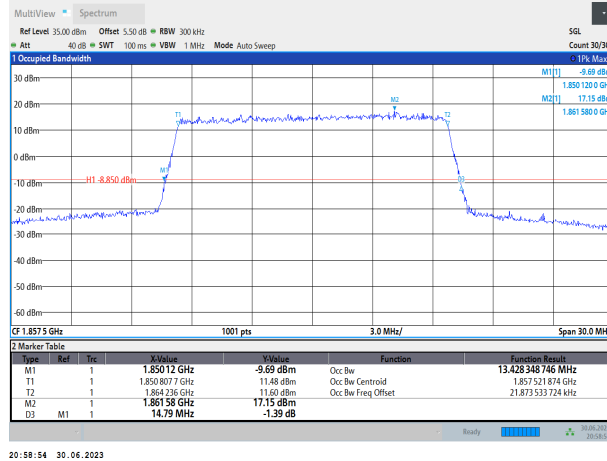
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Band2-15MHz-QPSK-19125-75RB#0



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

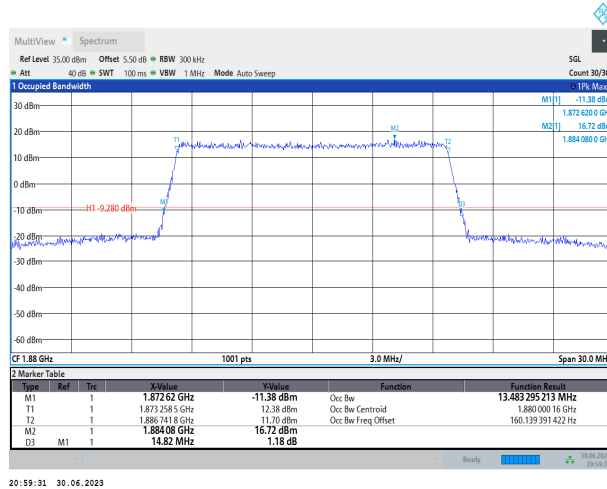


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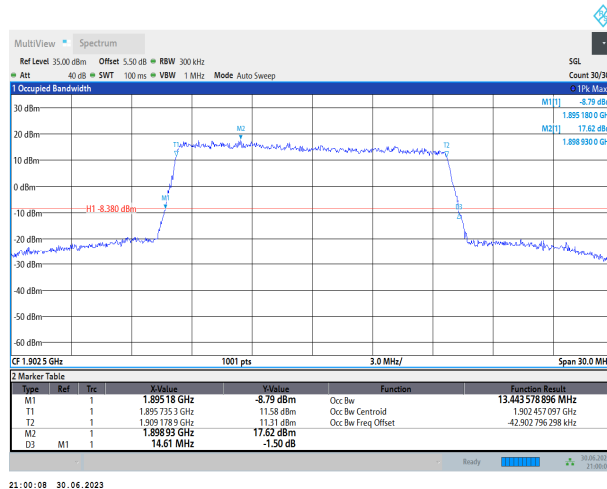
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Band2-15MHz-16QAM-18900-75RB#0



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

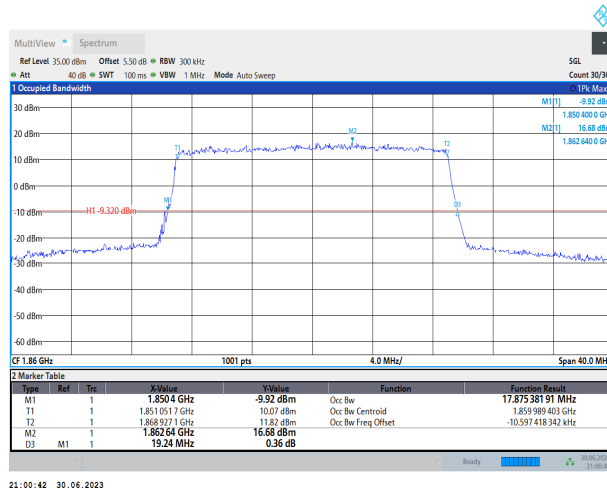


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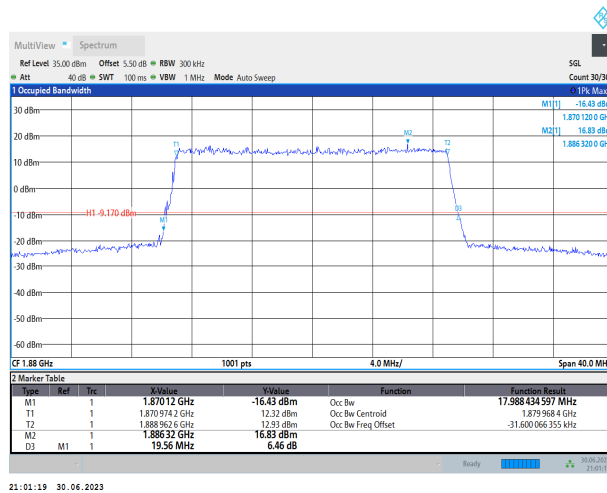
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Band2-20MHz-QPSK-18700-100RB#0



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

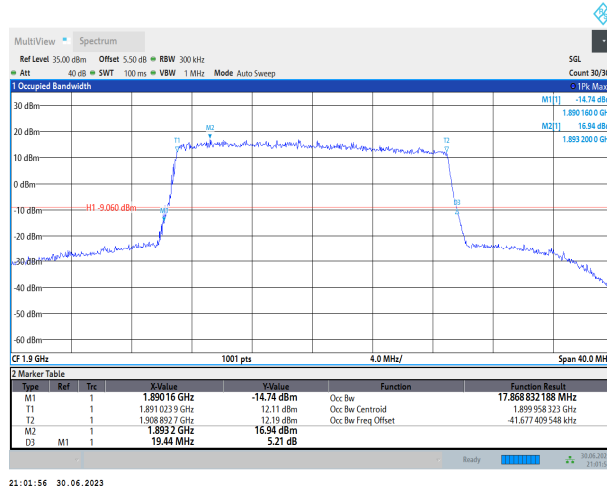


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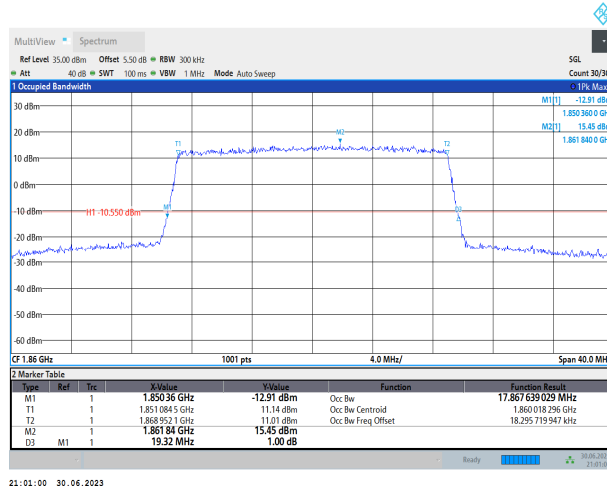
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Band2-20MHz-QPSK-19100-100RB#0



21:01:56 30.06.2023

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



21:01:00 30.06.2023



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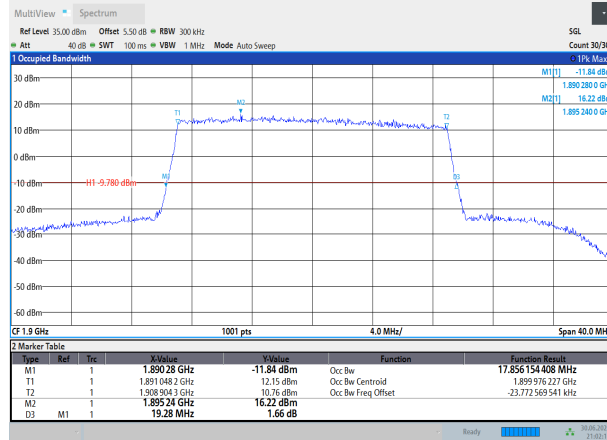
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Band2-20MHz-16QAM-18900-100RB#0



21:01:57 30.06.2023

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



21:02:14 30.06.2023



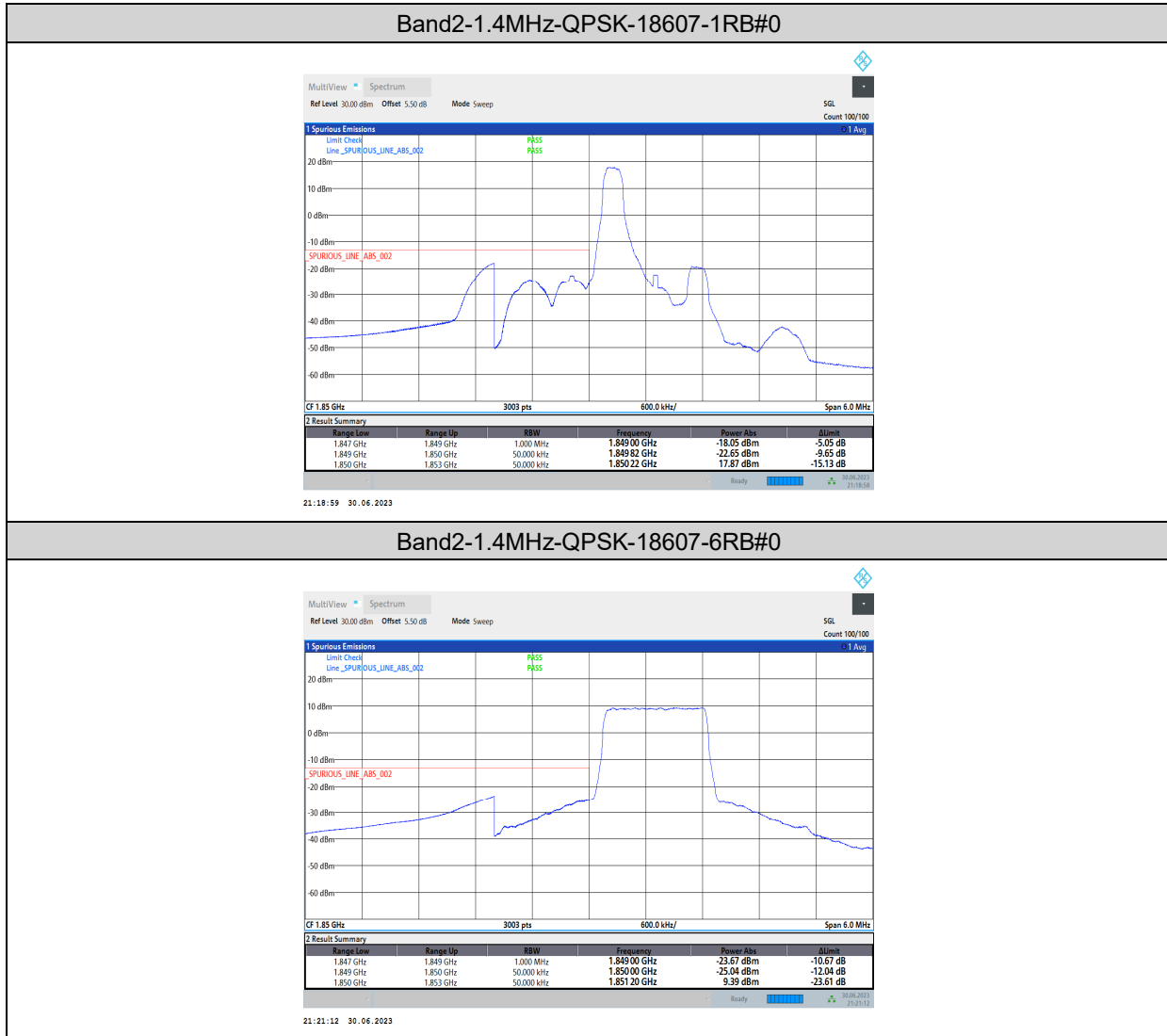
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Band Edge

Test Graphs

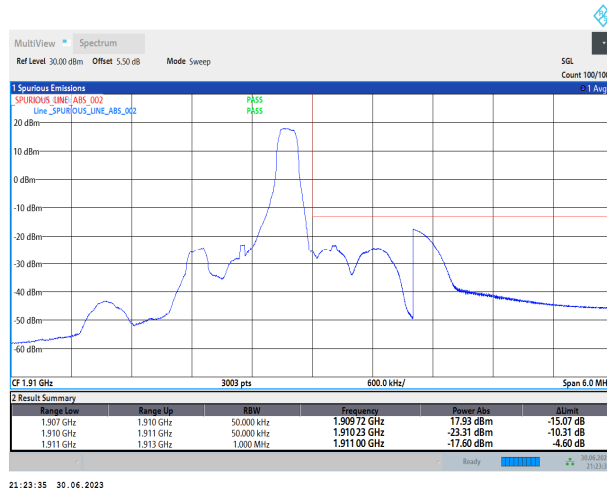


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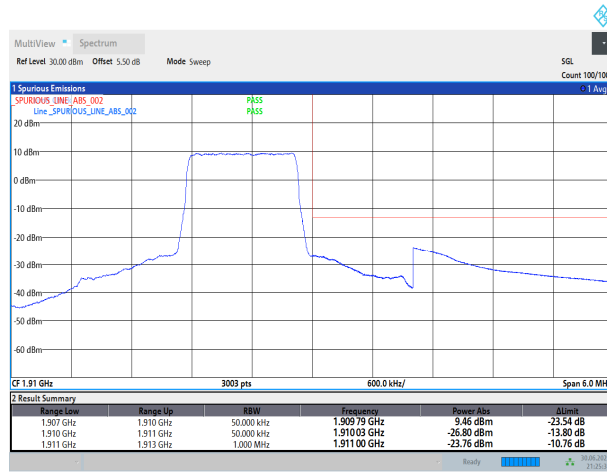
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Band2-1.4MHz-QPSK-19193-1RB#5



21:33:35 30.06.2023

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



21:25:38 30.06.2023

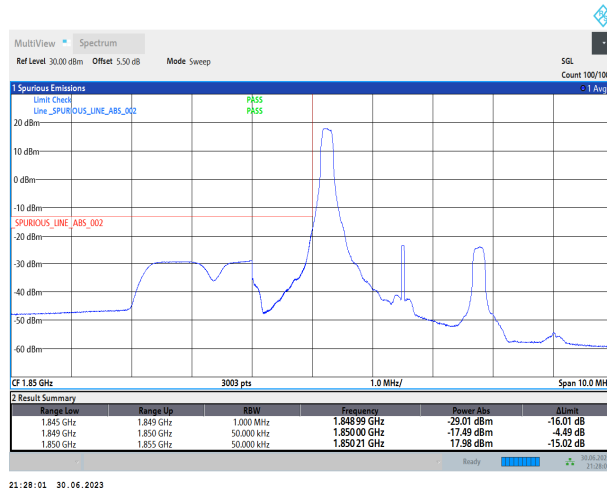


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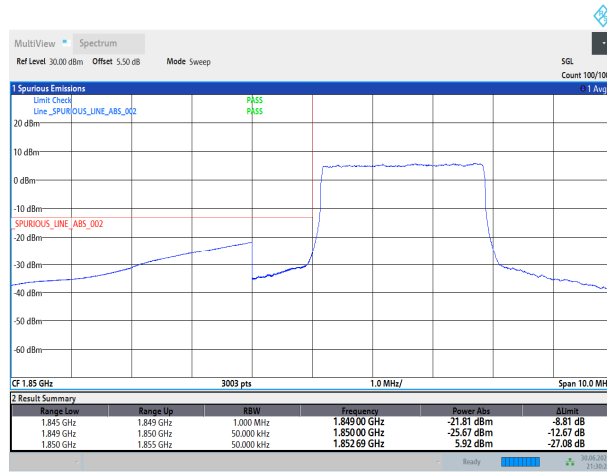
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Band2-3MHz-QPSK-18615-1RB#0



21:29:01 30.06.2023

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



21:30:21 30.06.2023

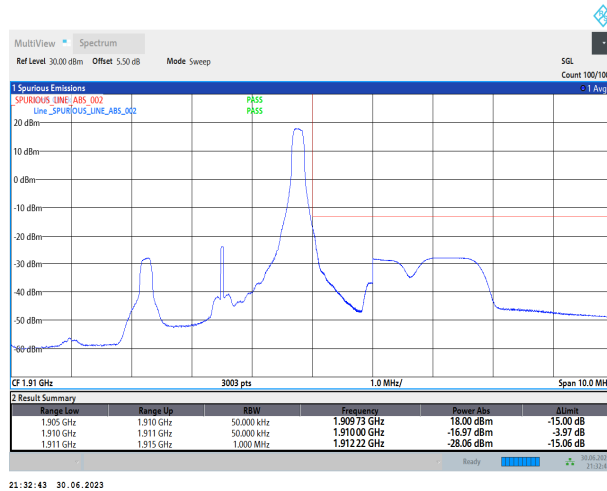


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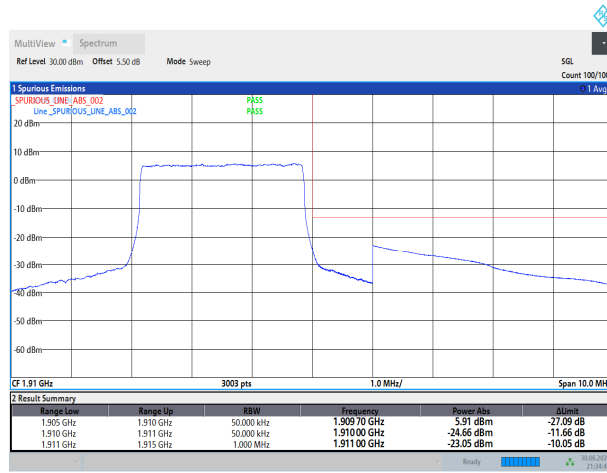
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Band2-3MHz-QPSK-19185-1RB#14



21:32:43 30.06.2023

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



21:34:47 30.06.2023

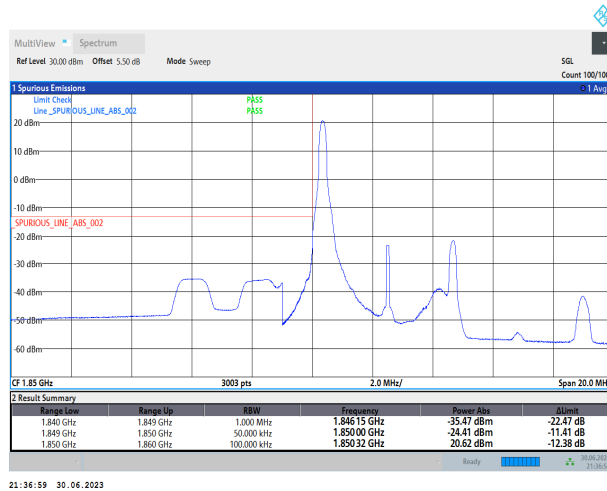


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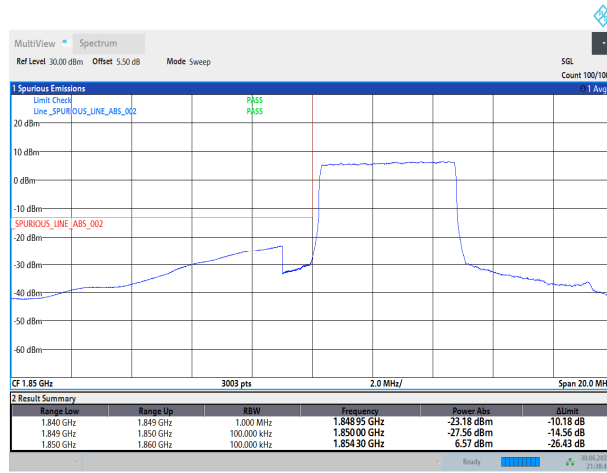
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Band2-5MHz-QPSK-18625-1RB#0



21:36:59 30.06.2023

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



21:38:43 30.06.2023

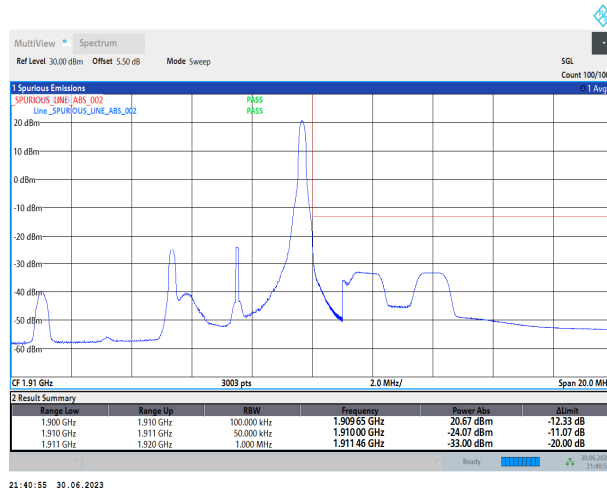


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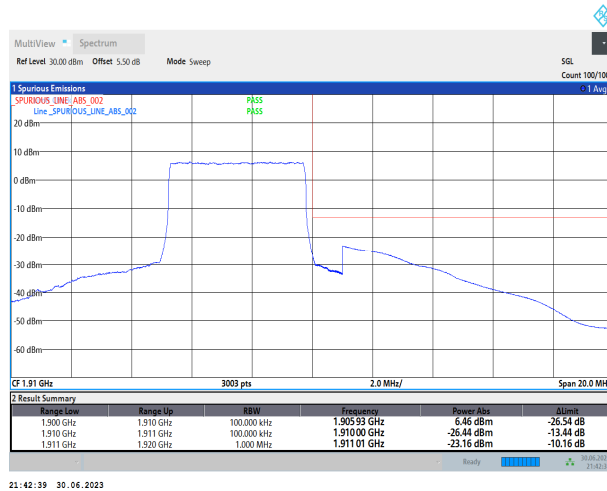
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Band2-5MHz-QPSK-19175-1RB#24



21:40:55 30.06.2023

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



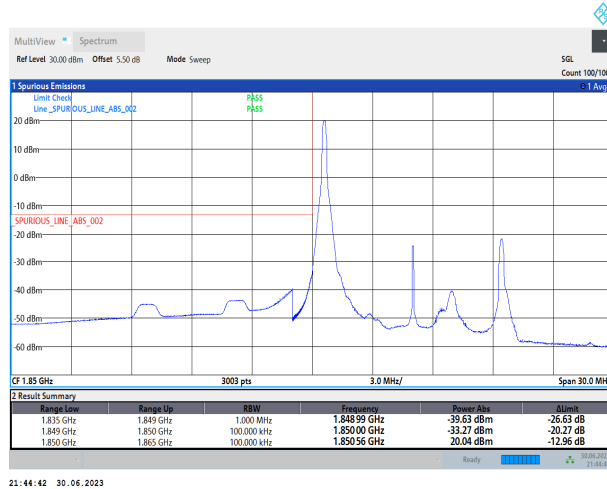
21:42:39 30.06.2023



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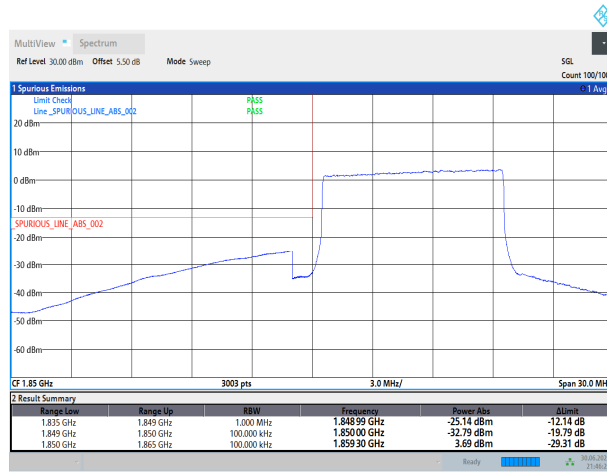
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Band2-10MHz-QPSK-18650-1RB#0



21:44:42 30.06.2023

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



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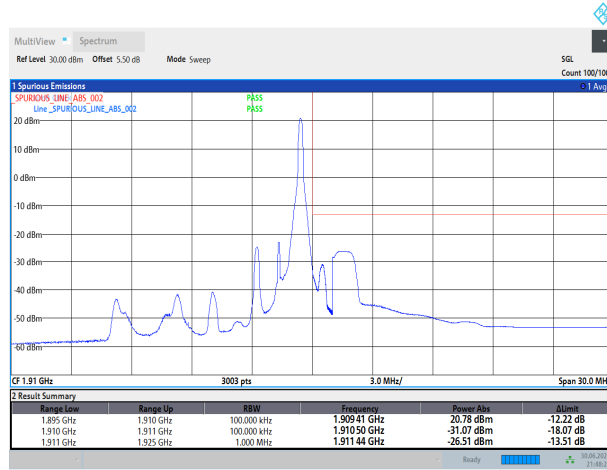


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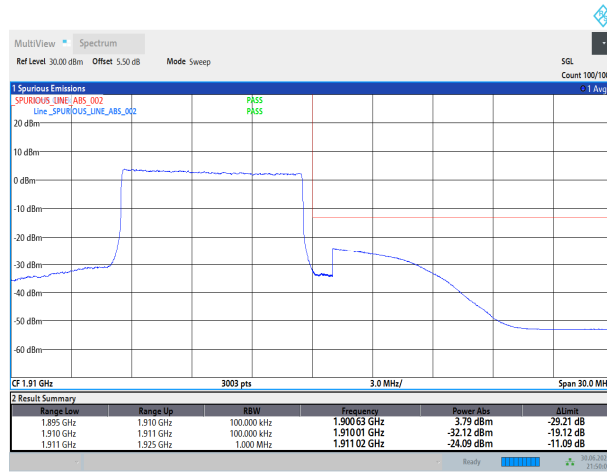
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Band2-10MHz-QPSK-19150-1RB#49



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



21:50:09 30.06.2023

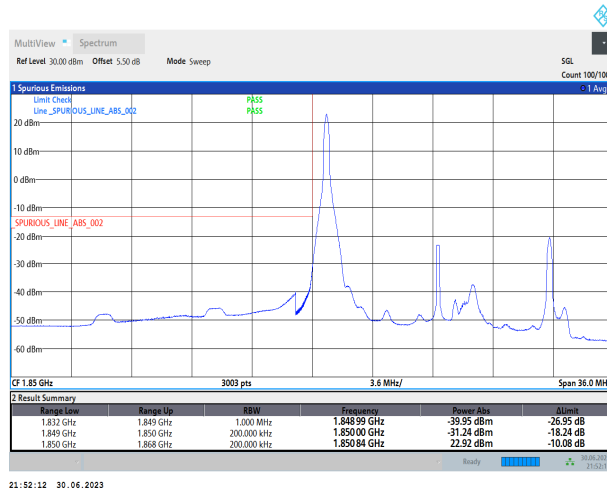


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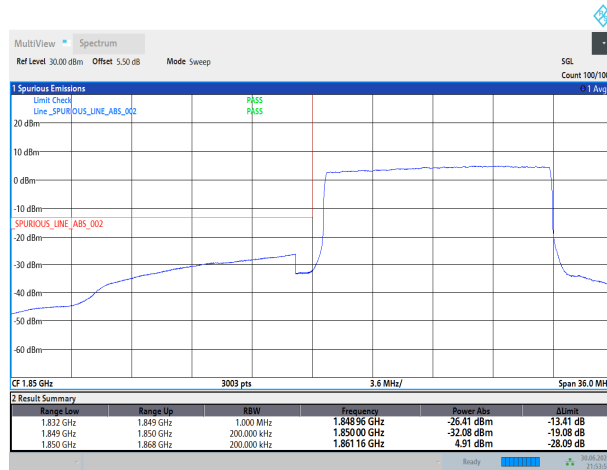
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Band2-15MHz-QPSK-18675-1RB#0



21:52:12 30.06.2023

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



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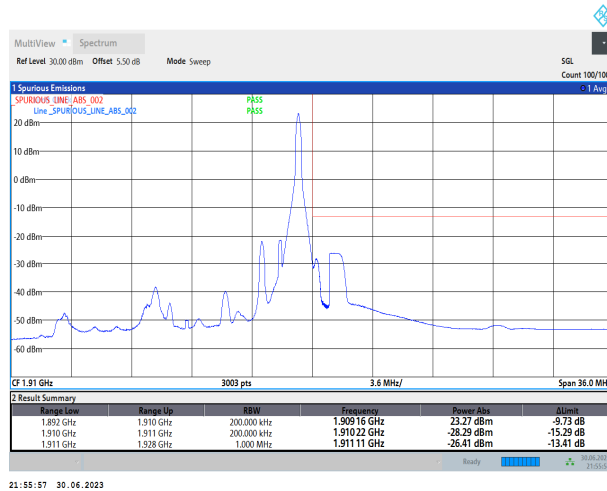


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Band2-15MHz-QPSK-19125-1RB#74



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

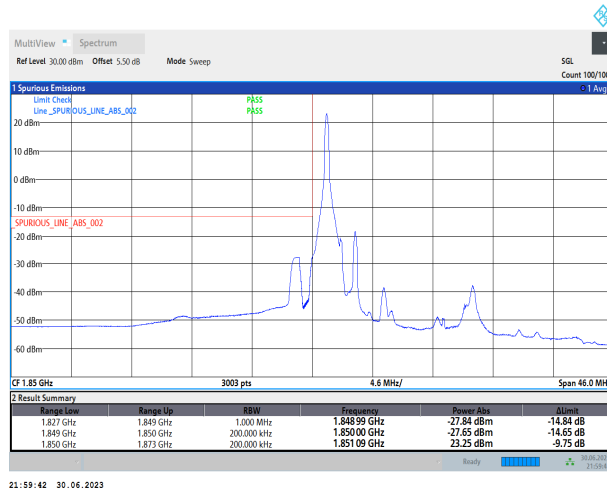


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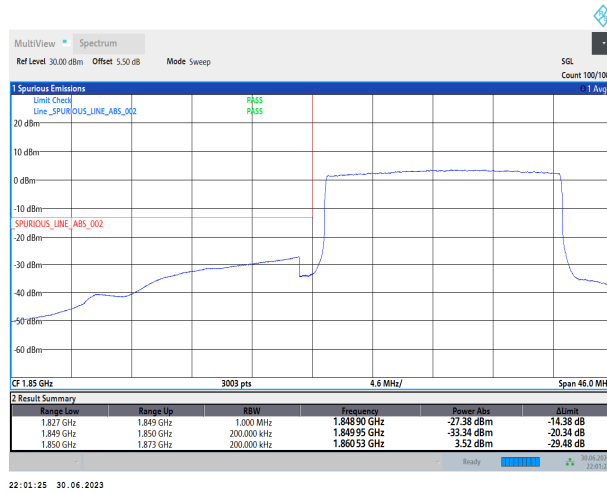
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Band2-20MHz-QPSK-18700-100RB#0

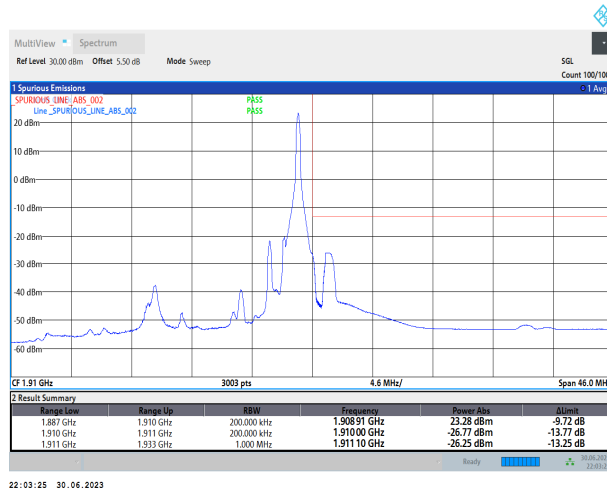


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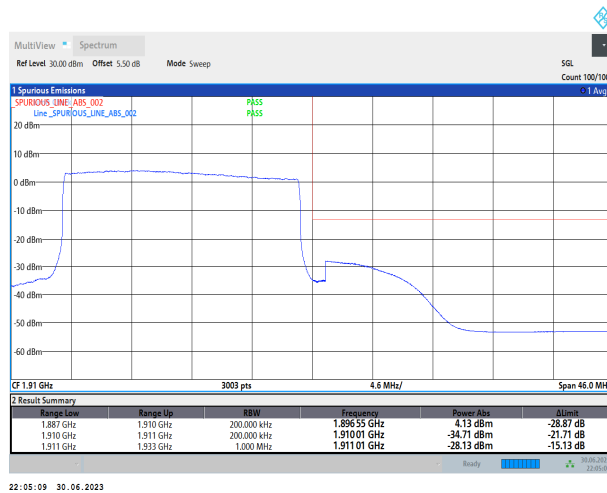
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Band2-20MHz-QPSK-19100-1RB#99



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



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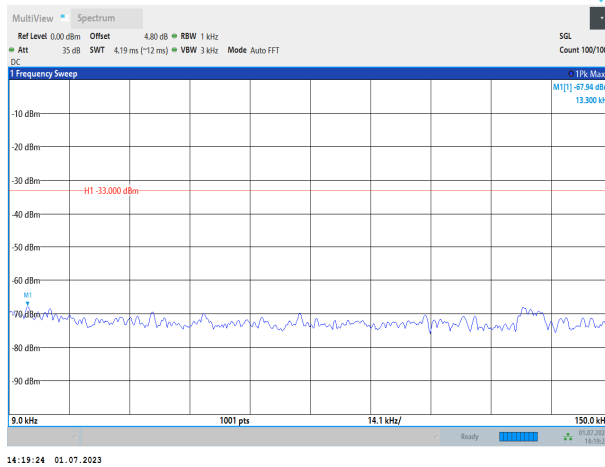
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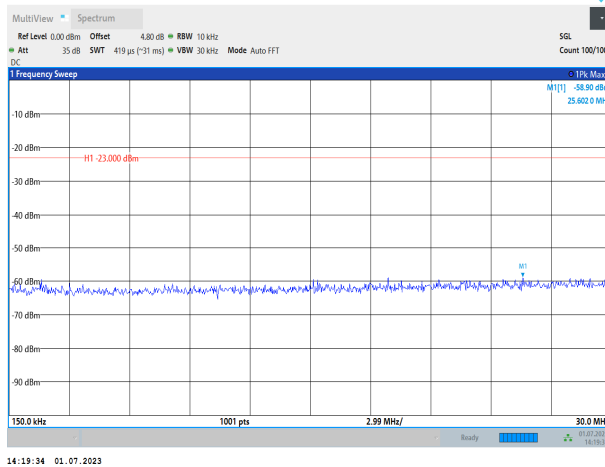
Conducted Spurious Emission

Test Graphs

Band2-20MHz-QPSK-18700-1RB#0-Range1:0.009~0.15MHz



Band2-20MHz-QPSK-18700-1RB#0-Range2:0.15~30MHz

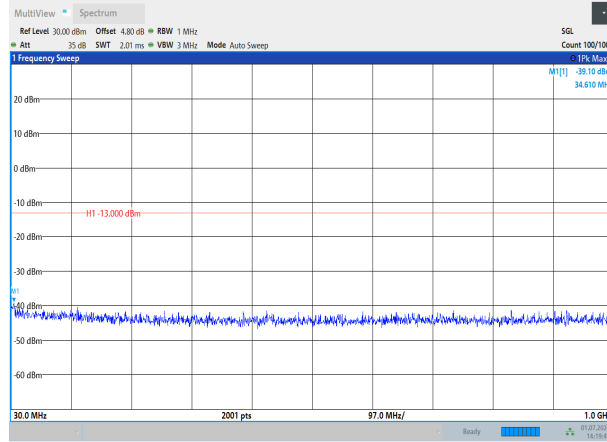


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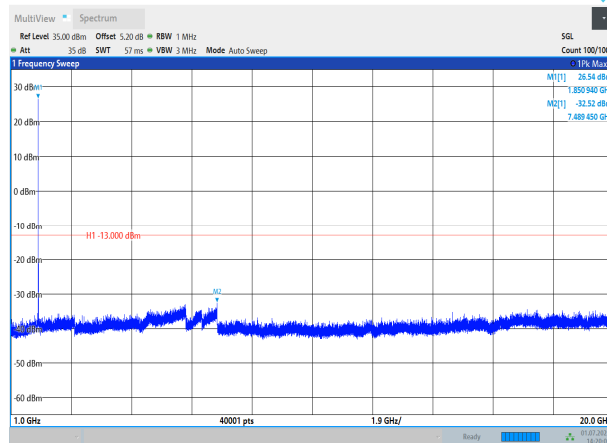
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Band2-20MHz-QPSK-18700-1RB#0-Range3:30~1000MHz



14:19:41 01.07.2023

Band2-20MHz-QPSK-18700-1RB#0-Range4:1000~20000MHz



14:20:02 01.07.2023

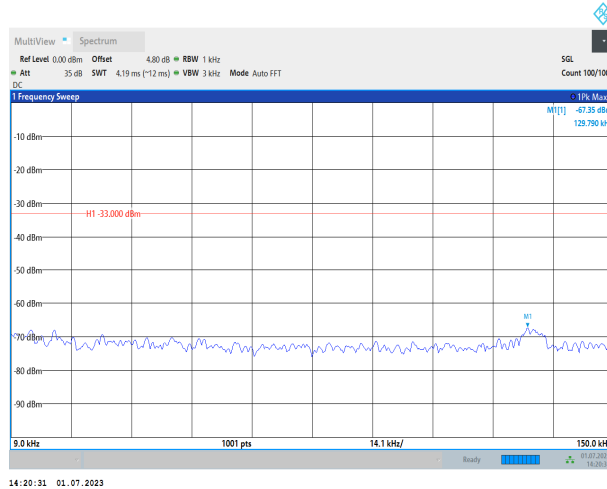


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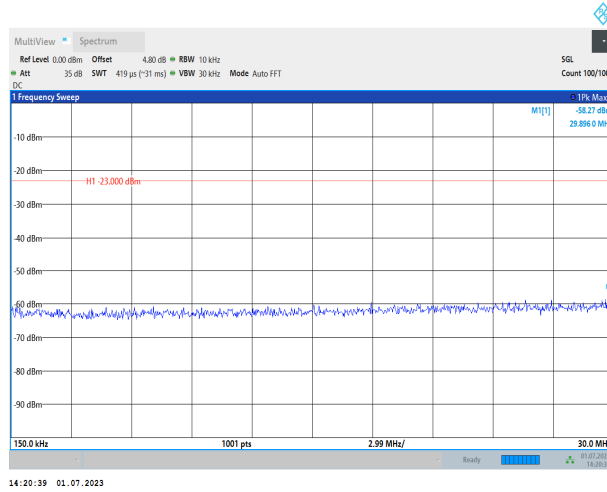
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Band2-20MHz-QPSK-18900-1RB#0-Range1:0.009~0.15MHz



Band2-20MHz-QPSK-18900-1RB#0-Range2:0.15~30MHz

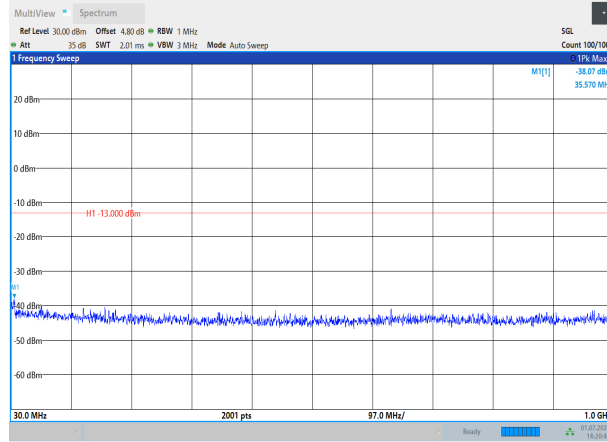


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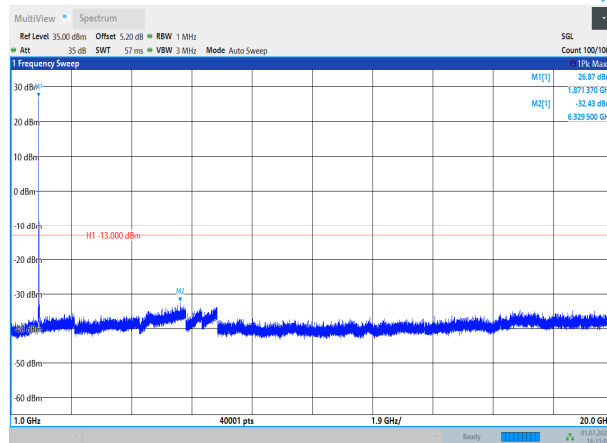
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Band2-20MHz-QPSK-18900-1RB#0-Range3:30~1000MHz



14:20:46 01.07.2023

Band2-20MHz-QPSK-18900-1RB#0-Range4:1000~20000MHz



14:21:03 01.07.2023

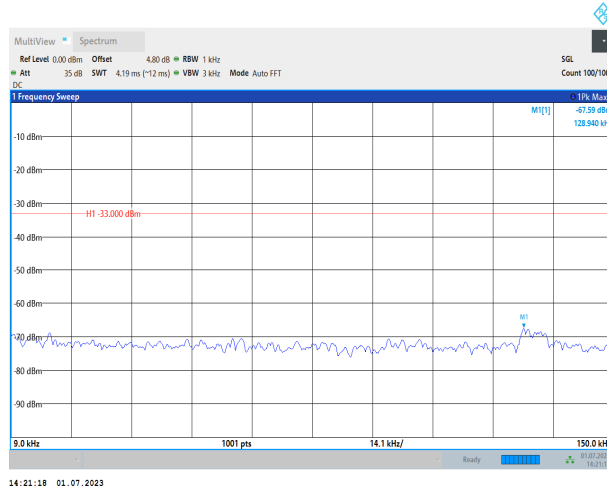


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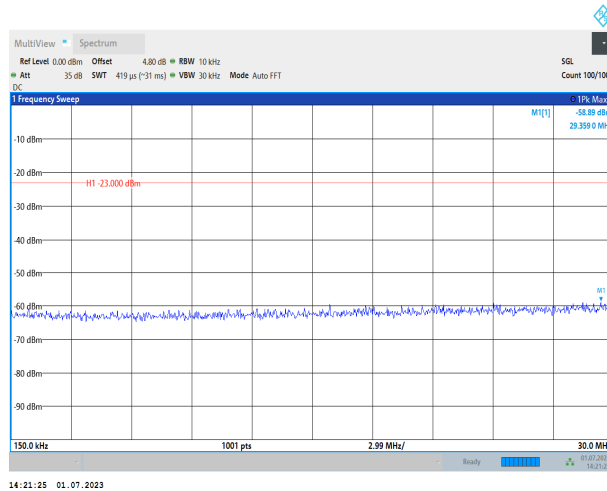
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Band2-20MHz-QPSK-19100-1RB#0-Range1:0.009~0.15MHz



Band2-20MHz-QPSK-19100-1RB#0-Range2:0.15~30MHz

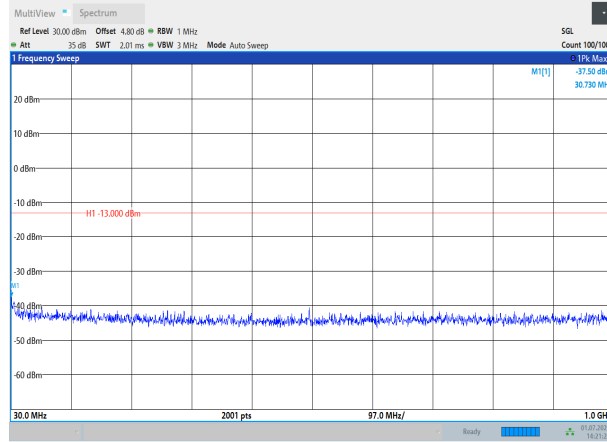


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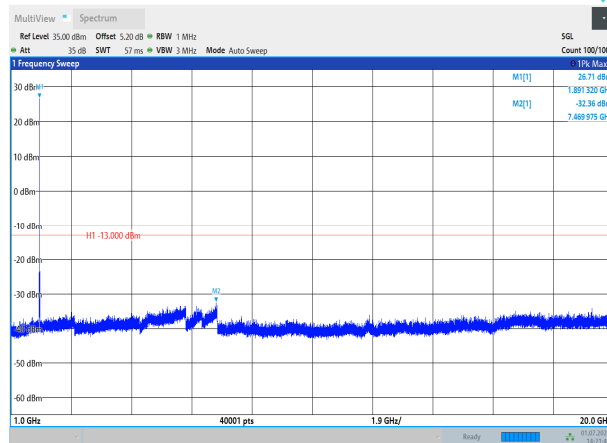
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Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



14:21:50 01.07.2023

Band2-20MHz-QPSK-19100-1RB#0-Range4:1000~20000MHz



14:21:50 01.07.2023



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Field Strength of Spurious Radiation

Test Band = LTE Band2_ TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702	64.00	-45.51	28.80	-47.97	-13.00	34.97	245	211	Horizontal
2	5553.2700	40.91	-45.15	32.61	-66.89	-13.00	53.89	163	222	Horizontal
3	7404.3600	40.43	-43.40	36.33	-61.89	-13.00	48.89	258	1	Horizontal
4	9255.4500	36.51	-40.23	36.79	-62.20	-13.00	49.20	175	30	Horizontal
5	11106.5400	36.53	-37.93	38.71	-57.95	-13.00	44.95	186	335	Horizontal
6	12957.6300	32.31	-37.24	39.09	-61.10	-13.00	48.10	192	41	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702	53.70	-45.51	28.80	-58.27	-13.00	45.27	100	136	Vertical
2	5000.25	48.98	-45.64	31.40	-60.52	-13.00	47.52	163	24	Vertical
3	7404.75	46.96	-43.40	36.33	-55.36	-13.00	42.36	259	24	Vertical
4	8344.5	40.30	-41.76	36.63	-60.09	-13.00	47.09	175	14	Vertical
5	11106.75	40.87	-37.93	38.71	-53.61	-13.00	40.61	148	284	Vertical
6	14391.75	33.19	-34.91	41.06	-55.93	-13.00	42.93	192	170	Vertical



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Test Band = LTE Band2_ TM1
 Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.5	60.36	-45.68	28.84	-51.74	-13.00	38.74	211	199	Horizontal
2	5000.25	46.78	-45.64	31.40	-62.72	-13.00	49.72	100	75	Horizontal
3	7411.5	41.12	-43.38	36.35	-61.17	-13.00	48.17	175	1	Horizontal
4	9370.5	37.96	-39.95	37.00	-60.24	-13.00	47.24	146	97	Horizontal
5	11226	36.38	-37.40	38.72	-57.56	-13.00	44.56	192	290	Horizontal
6	14847	33.50	-35.00	41.24	-55.52	-13.00	42.52	215	131	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.5	54.06	-45.68	28.84	-58.04	-13.00	45.04	256	93	Vertical
2	5211.75	42.27	-45.26	31.91	-66.34	-13.00	53.34	144	49	Vertical
3	7484.25	47.11	-43.18	36.56	-54.78	-13.00	41.78	172	15	Vertical
4	11226.75	39.01	-37.40	38.72	-54.93	-13.00	41.93	149	138	Vertical
5	13707	34.21	-36.18	40.37	-56.85	-13.00	43.85	186	128	Vertical
6	15792	32.89	-33.07	39.64	-55.81	-13.00	42.81	216	263	Vertical



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Test Band = LTE Band2_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.25	60.39	-45.85	28.88	-51.83	-13.00	38.83	255	211	Horizontal
2	5000.25	45.78	-45.64	31.40	-63.72	-13.00	50.72	136	65	Horizontal
3	6773.25	41.64	-44.07	34.79	-62.90	-13.00	49.90	256	0	Horizontal
4	8334.75	40.55	-41.82	36.63	-59.89	-13.00	46.89	192	357	Horizontal
5	9979.5	36.56	-39.26	38.16	-59.80	-13.00	46.80	147	146	Horizontal
6	11270.25	35.77	-37.41	38.73	-58.17	-13.00	45.17	185	279	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.25	56.59	-45.85	28.88	-55.63	-13.00	42.63	211	104	Vertical
2	5000.25	49.37	-45.64	31.40	-60.13	-13.00	47.13	106	24	Vertical
3	7564.5	43.06	-43.00	36.63	-58.58	-13.00	45.58	253	14	Vertical
4	10884.75	35.04	-37.93	38.64	-59.51	-13.00	46.51	148	115	Vertical
5	13320.75	34.14	-36.76	39.68	-58.20	-13.00	45.20	172	115	Vertical
6	15086.25	33.53	-34.91	41.12	-55.52	-13.00	42.52	186	360	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) - Pre-amplifier (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	-2.30	-0.001223	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-1.80	-0.000957	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	1.80	0.000957	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	1.30	0.000691	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-1.90	-0.001011	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	5.60	0.002979	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	5.60	0.002979	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	2.20	0.001170	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	2.70	0.001436	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-9.30	-0.004947	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-0.70	-0.000372	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-5.10	-0.002713	PASS

---End of Attachment---



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