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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	22.78	24.37	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.86	24.45	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.91	24.50	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.89	23.48	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.99	24.58	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.98	24.57	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.91	24.50	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.96	23.55	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.70	24.29	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.71	24.30	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.67	24.26	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.79	23.38	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.09	23.68	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.17	23.76	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.15	23.74	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.07	22.66	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.34	23.93	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.37	23.96	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.25	23.84	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.09	22.68	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.06	23.65	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.06	23.65	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.00	23.59	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	20.94	22.53	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.79	24.38	33.00	PASS



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Band2	3MHz	QPSK	18615	1RB#8	22.87	24.46	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.81	24.40	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.86	23.45	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.86	24.45	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.98	24.57	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.79	24.38	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.98	23.57	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.80	24.39	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	22.76	24.35	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.57	24.16	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.82	23.41	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.05	23.64	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.19	23.78	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.16	23.75	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	20.94	22.53	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.28	23.87	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.26	23.85	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.15	23.74	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.01	22.60	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.20	23.79	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.02	23.61	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	21.99	23.58	33.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.90	22.49	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.92	24.51	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	22.92	24.51	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.01	24.60	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	21.84	23.43	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.05	24.64	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	22.99	24.58	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.84	24.43	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	21.93	23.52	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.16	24.75	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	22.95	24.54	33.00	PASS



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Band2	5MHz	QPSK	19175	1RB#24	22.68	24.27	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	21.93	23.52	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.20	23.79	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.15	23.74	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.30	23.89	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	20.91	22.50	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.33	23.92	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.31	23.90	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.12	23.71	33.00	PASS
Band2	5MHz	16QAM	18900	25RB#0	20.98	22.57	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.37	23.96	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.24	23.83	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.01	23.60	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.01	22.60	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.84	24.43	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	22.82	24.41	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.05	24.64	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	21.76	23.35	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.99	24.58	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	22.86	24.45	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.73	24.32	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	21.73	23.32	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.04	24.63	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.04	24.63	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.61	24.20	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	21.85	23.44	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.05	23.64	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.15	23.74	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.36	23.95	33.00	PASS
Band2	10MHz	16QAM	18650	27RB#0	20.77	22.36	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.40	23.99	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.35	23.94	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.04	23.63	33.00	PASS



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Band2	10MHz	16QAM	18900	27RB#0	20.88	22.47	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.29	23.88	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.49	24.08	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.04	23.63	33.00	PASS
Band2	10MHz	16QAM	19150	27RB#0	21.09	22.68	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.92	24.51	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.11	24.70	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.36	24.95	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	21.99	23.58	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.09	24.68	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.00	24.59	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.75	24.34	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	21.96	23.55	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	22.75	24.34	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.23	24.82	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.73	24.32	33.00	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.04	23.63	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.01	23.60	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.16	23.75	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.48	24.07	33.00	PASS
Band2	15MHz	16QAM	18675	27RB#0	20.85	22.44	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.32	23.91	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.31	23.90	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	21.95	23.54	33.00	PASS
Band2	15MHz	16QAM	18900	27RB#0	21.03	22.62	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.62	24.21	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.50	24.09	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.03	23.62	33.00	PASS
Band2	15MHz	16QAM	19125	27RB#0	20.92	22.51	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.74	24.33	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.05	24.64	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.20	24.79	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.82	23.41	33.00	PASS



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Band2	20MHz	QPSK	18900	1RB#0	22.99	24.58	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.02	24.61	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.59	24.18	33.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.92	23.51	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.66	24.25	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.16	24.75	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.61	24.20	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	21.87	23.46	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.89	23.48	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.19	23.78	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.38	23.97	33.00	PASS
Band2	20MHz	16QAM	18700	27RB#0	20.71	22.30	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.42	24.01	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.31	23.90	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	21.77	23.36	33.00	PASS
Band2	20MHz	16QAM	18900	27RB#0	20.88	22.47	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.51	24.10	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.39	23.98	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.82	23.41	33.00	PASS
Band2	20MHz	16QAM	19100	27RB#0	20.48	22.07	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	5.48	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.60	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.52	13	PASS
Band2	20MHz	16QAM	18700	27RB#0	6.46	13	PASS
Band2	20MHz	16QAM	18900	27RB#0	6.02	13	PASS
Band2	20MHz	16QAM	19100	27RB#0	6.50	13	PASS

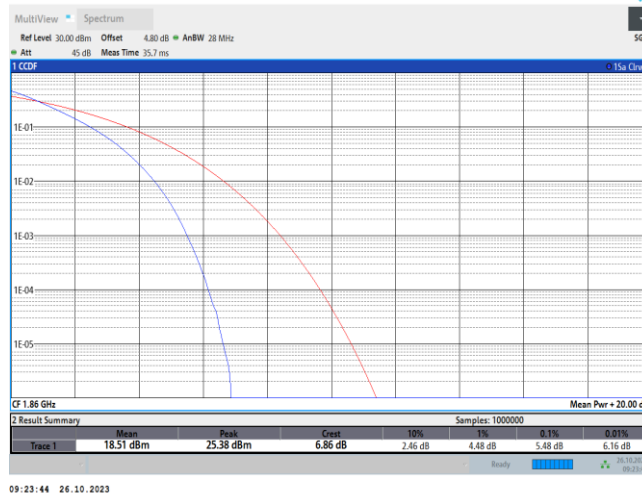


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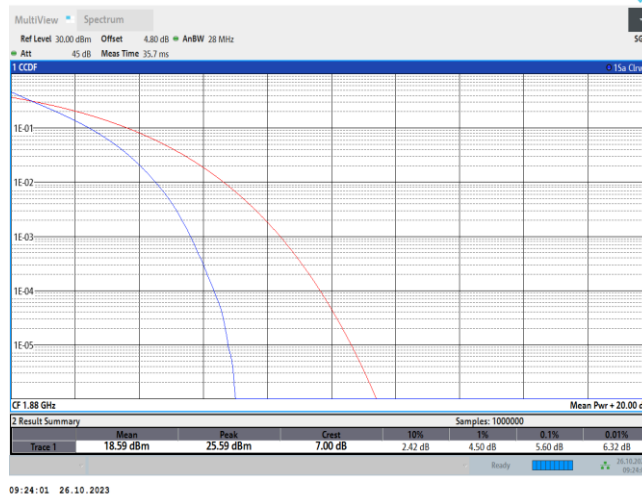
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Test Graphs

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



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

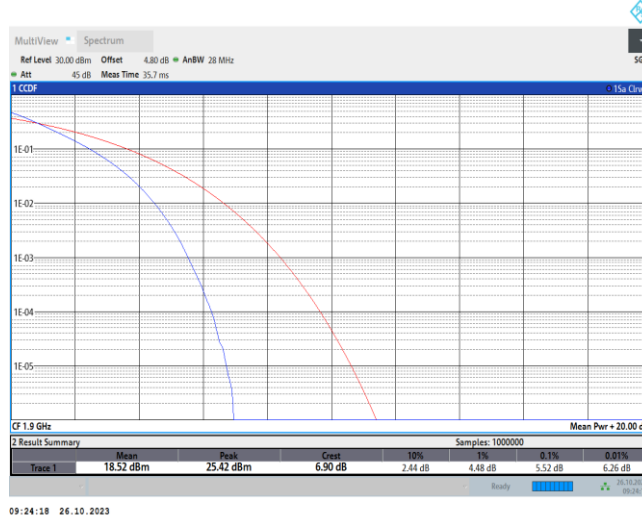


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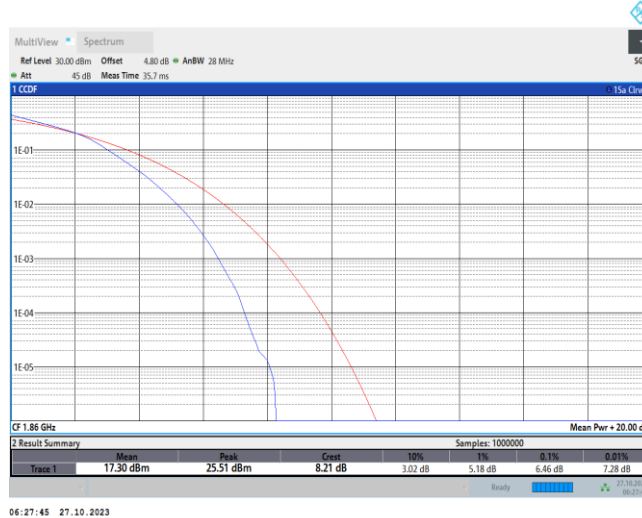
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Band2-20MHz-QPSK-19100-100RB#0



Band2-20MHz-16QAM-18700-27RB#0

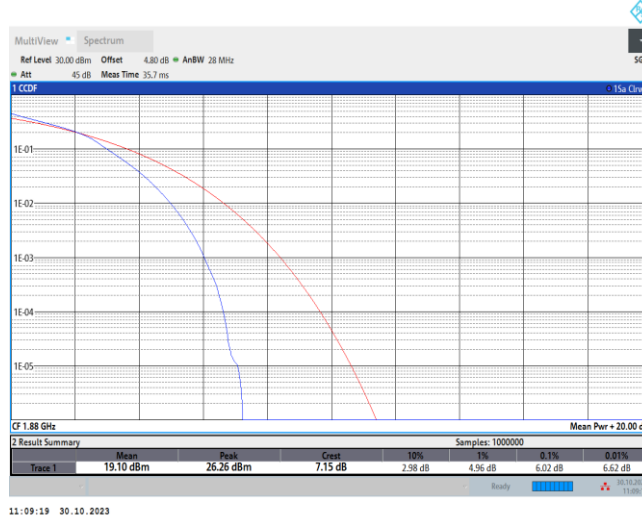


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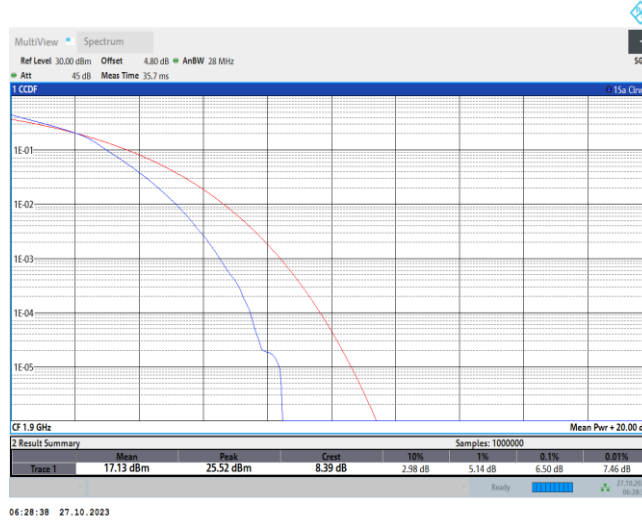
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Band2-20MHz-16QAM-18900-27RB#0



Band2-20MHz-16QAM-19100-27RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

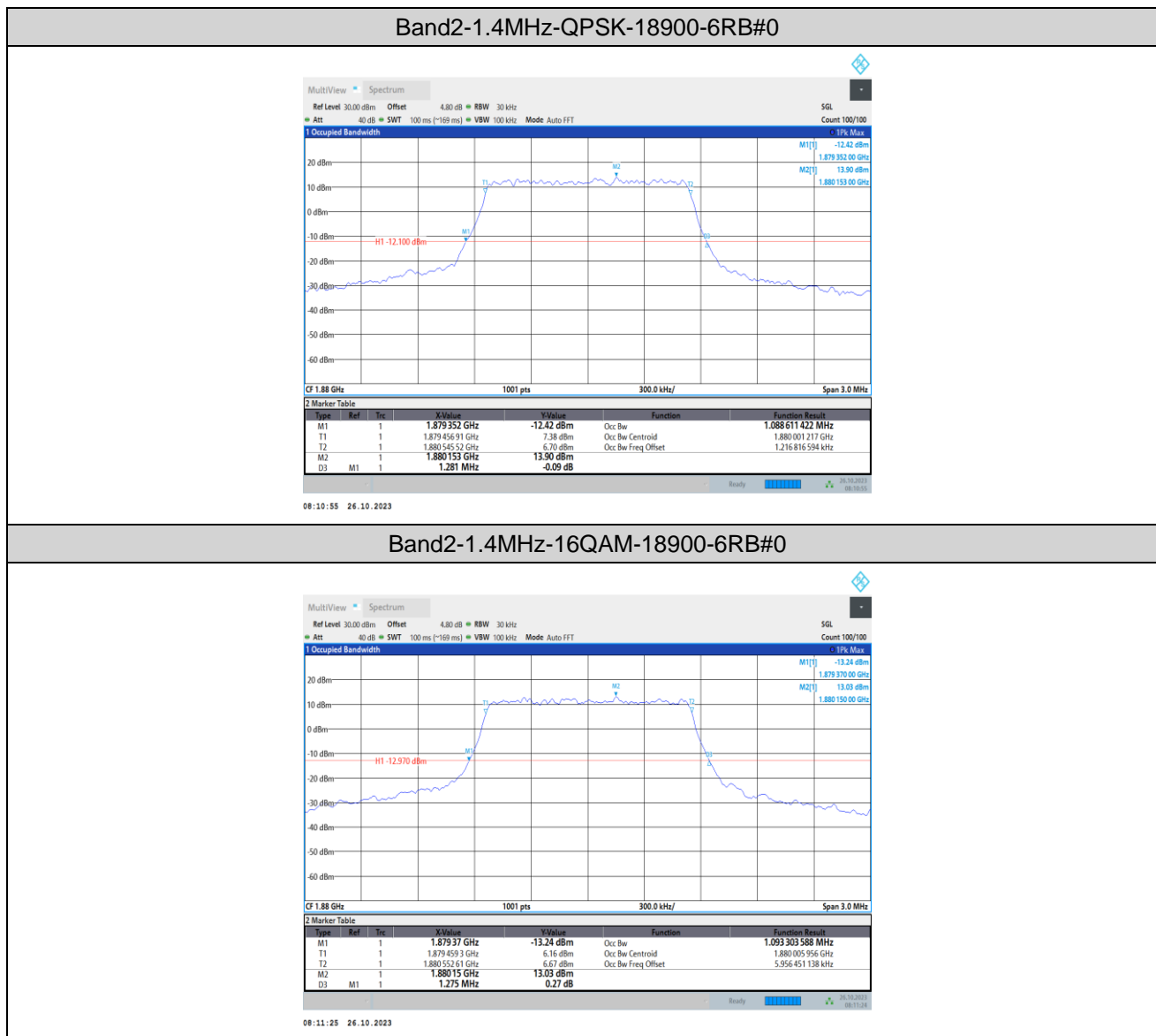
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18900	6RB#0	1.089	1.28	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.093	1.28	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.694	2.93	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.683	2.95	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.467	4.83	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.462	4.86	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.919	9.60	PASS
Band2	10MHz	16QAM	18900	27RB#0	4.868	5.52	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.472	14.58	PASS
Band2	15MHz	16QAM	18900	27RB#0	5.047	6.00	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.91	19.16	PASS
Band2	20MHz	16QAM	18900	27RB#0	5.091	6.00	PASS



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Test Graphs

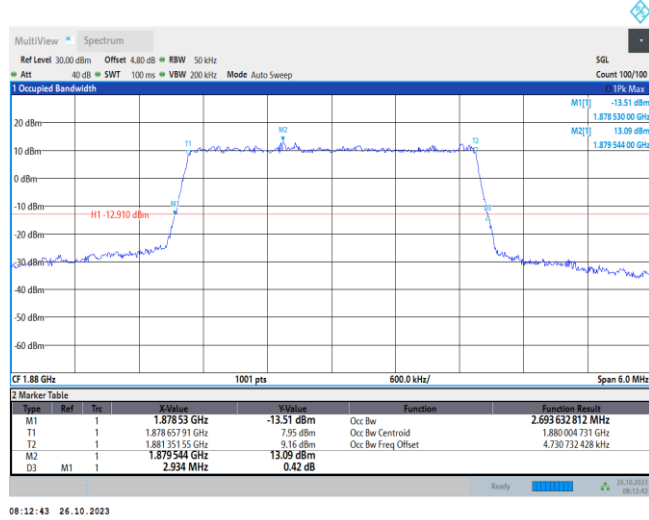


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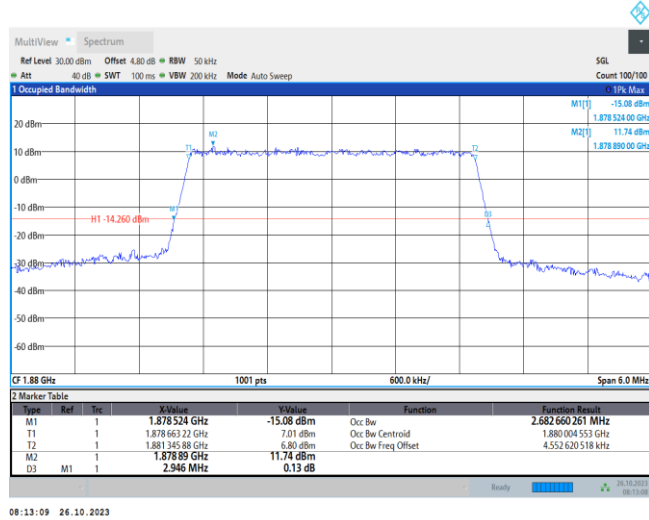
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Band2-3MHz-QPSK-18900-15RB#0



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

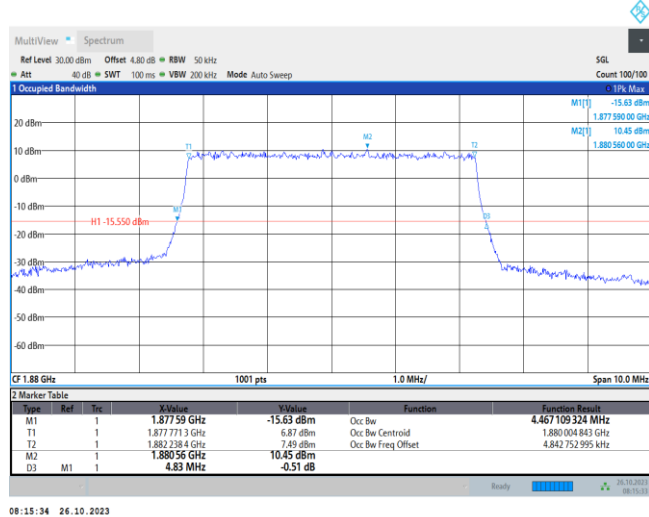


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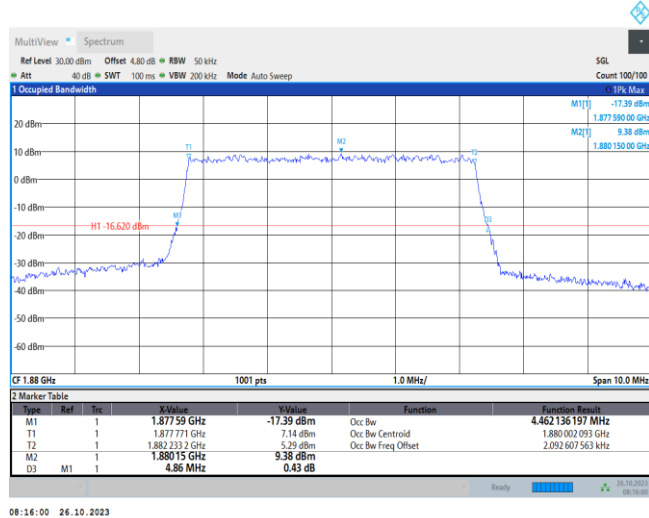
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Band2-5MHz-QPSK-18900-25RB#0



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

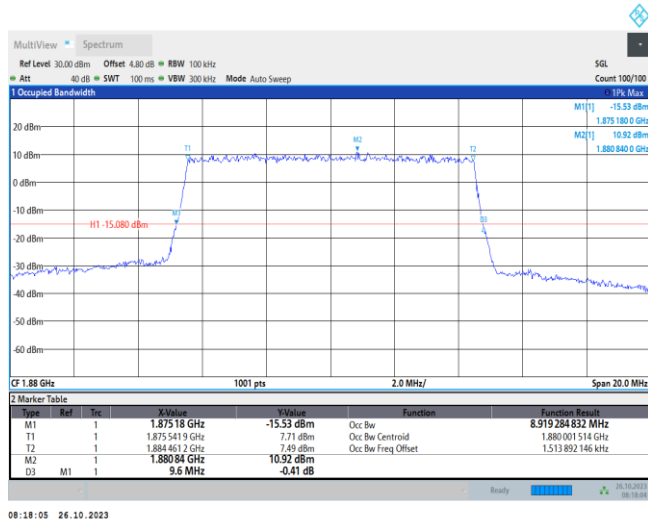


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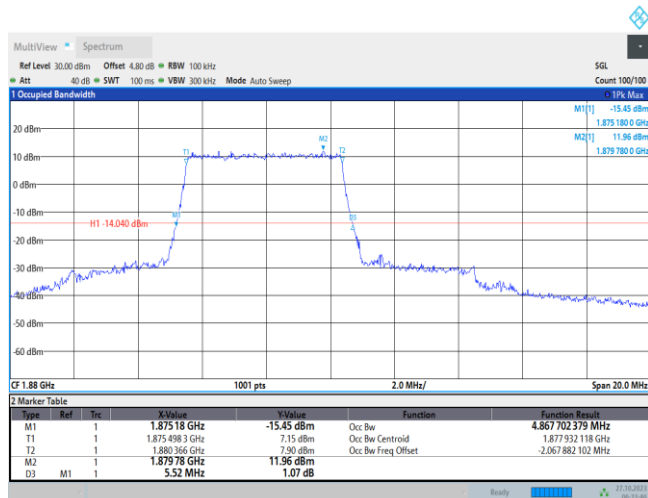
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Band2-10MHz-QPSK-18900-50RB#0



08:18:05 26.10.2023

Band2-10MHz-16QAM-18900-27RB#0



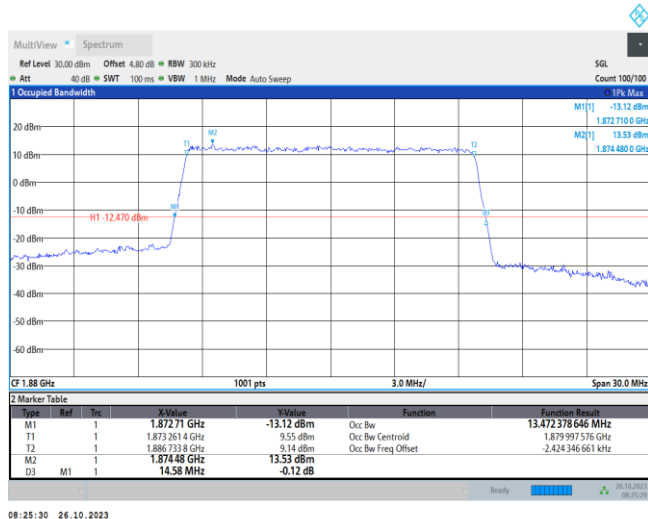
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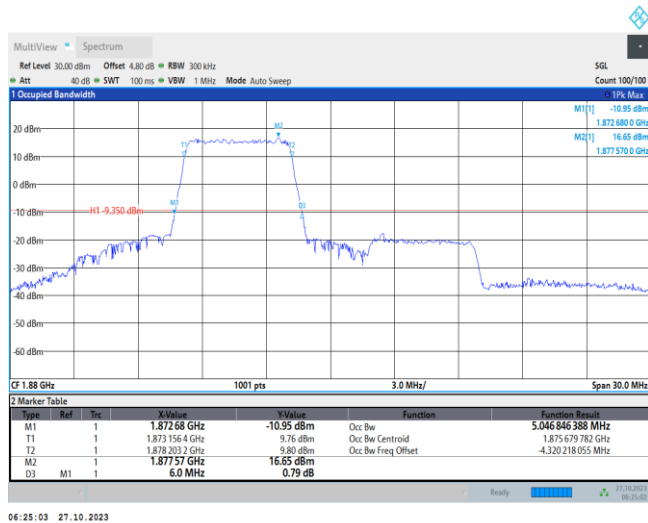
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Band2-15MHz-QPSK-18900-75RB#0



Band2-15MHz-16QAM-18900-27RB#0

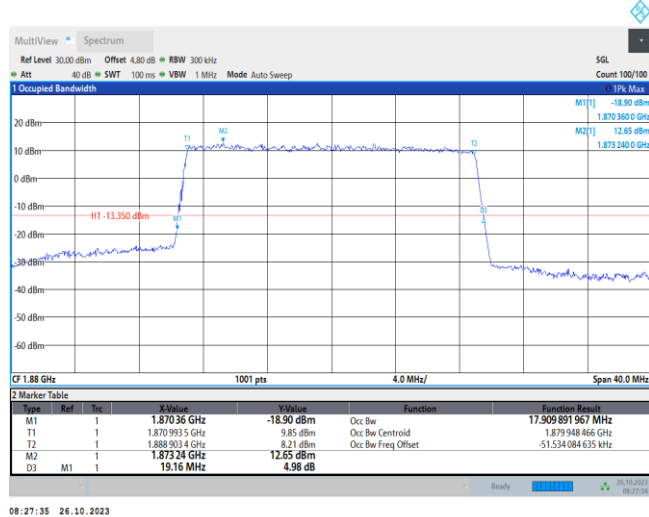


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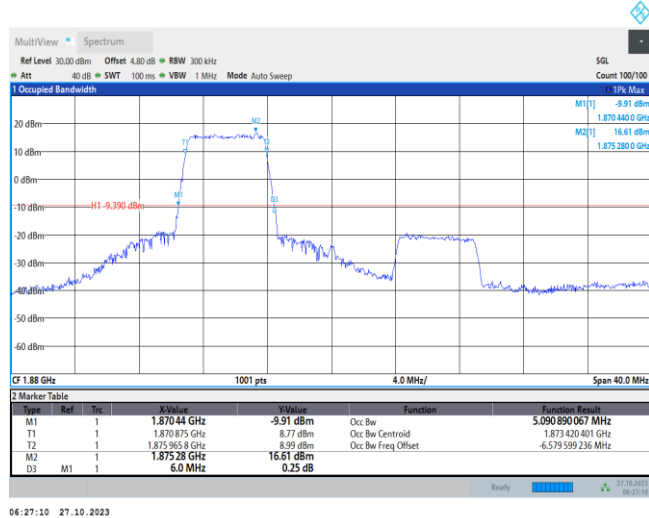
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Band2-20MHz-QPSK-18900-100RB#0



Band2-20MHz-16QAM-18900-27RB#0



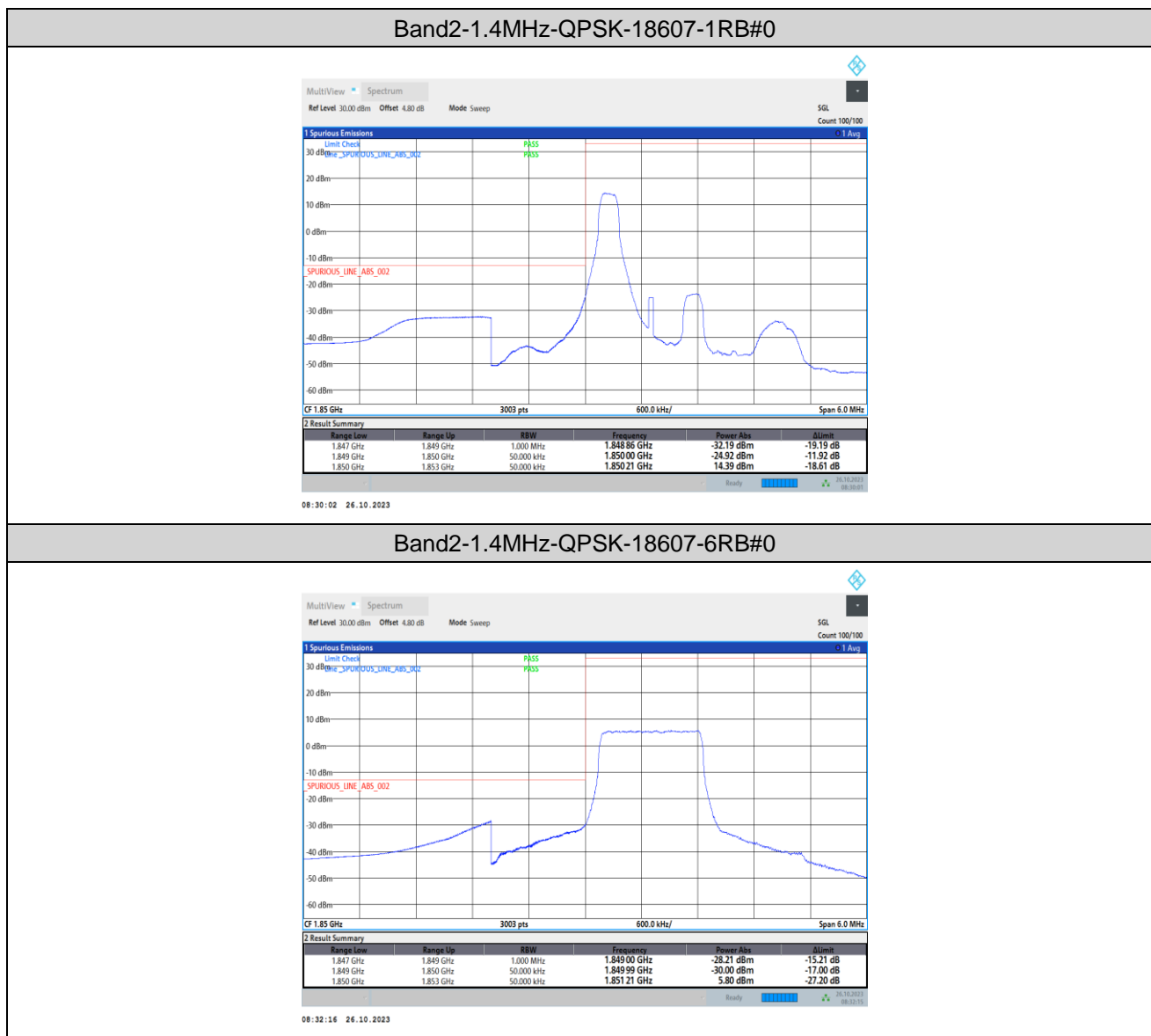
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Band Edge

Test Graphs

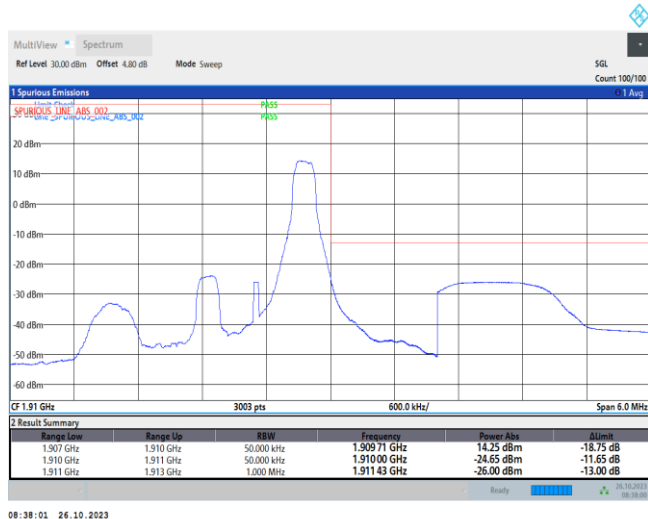


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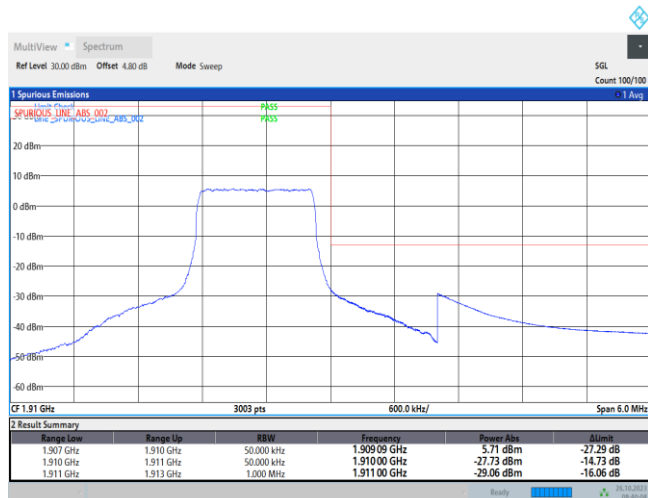
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Band2-1.4MHz-QPSK-19193-1RB#5



08:38:01 26.10.2023

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

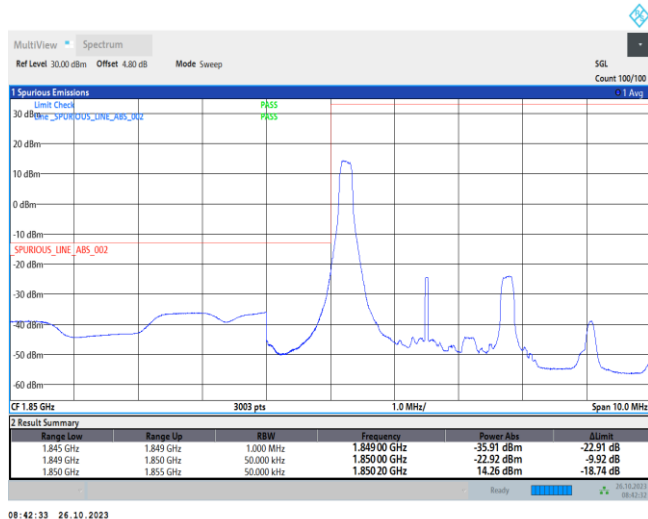


08:40:04 26.10.2023



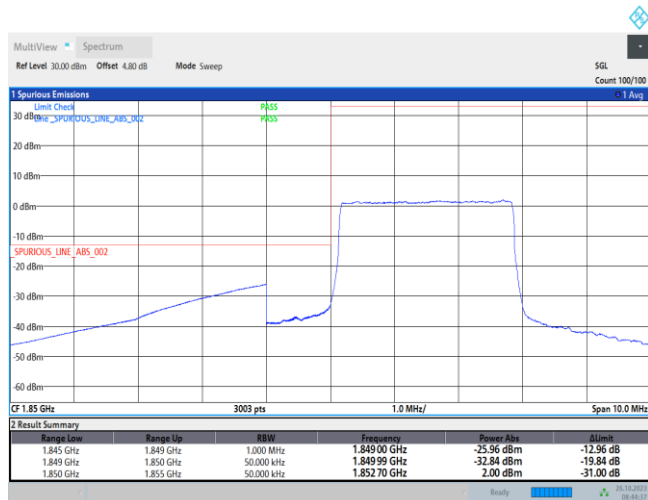
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Band2-3MHz-QPSK-18615-1RB#0



08:42:33 26.10.2023

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



08:44:37 26.10.2023

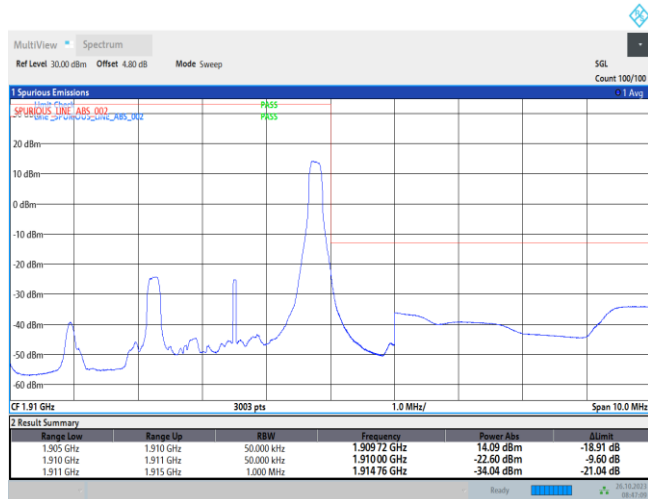


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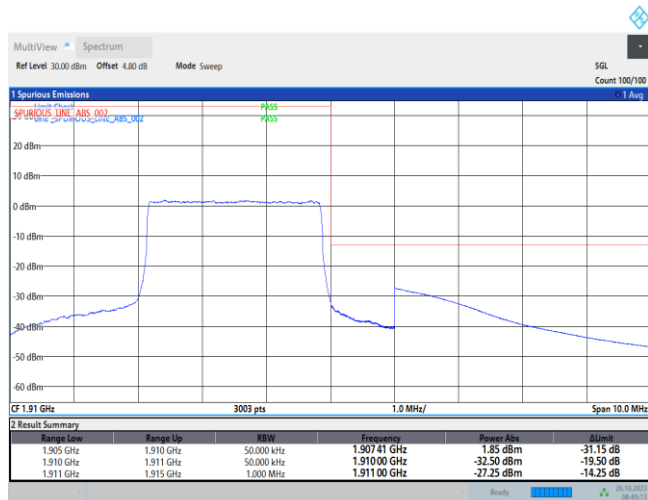
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Band2-3MHz-QPSK-19185-1RB#14



08:47:10 26.10.2023

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



08:49:14 26.10.2023

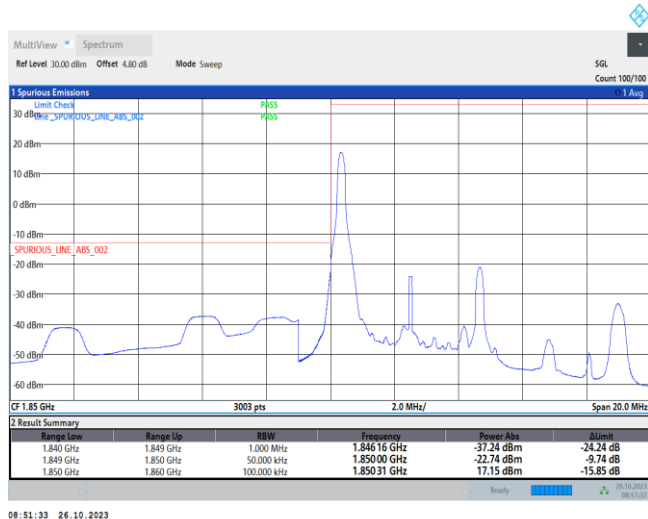


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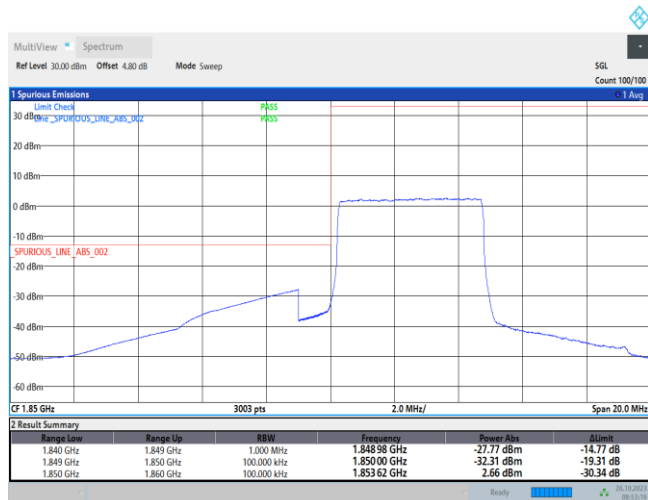
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Band2-5MHz-QPSK-18625-1RB#0



08:51:33 26.10.2023

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



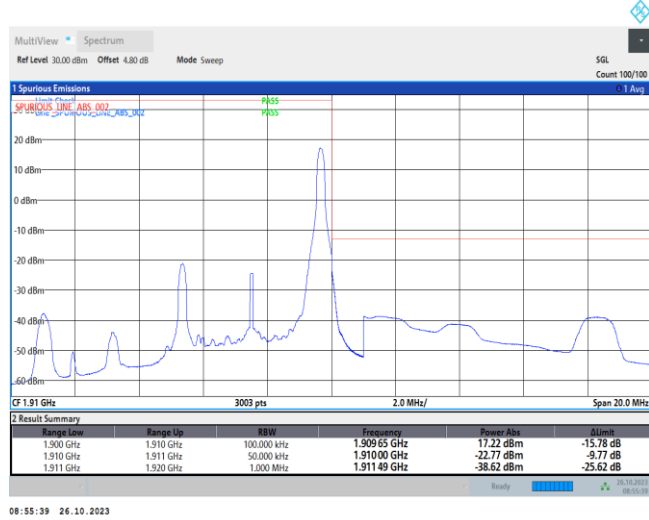
08:53:17 26.10.2023



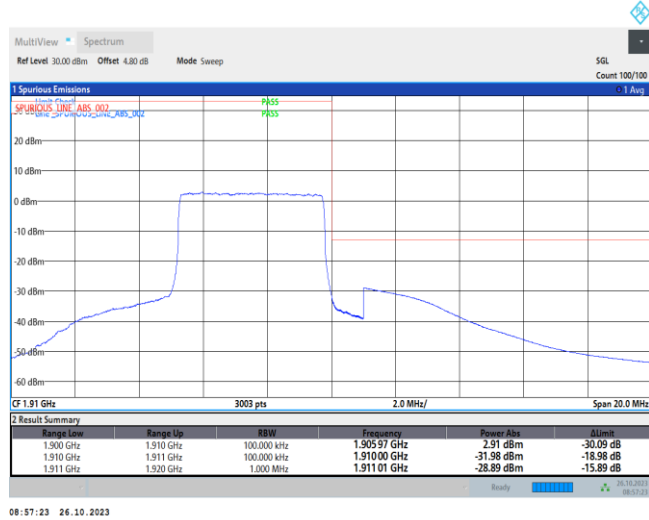
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Band2-5MHz-QPSK-19175-1RB#24



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

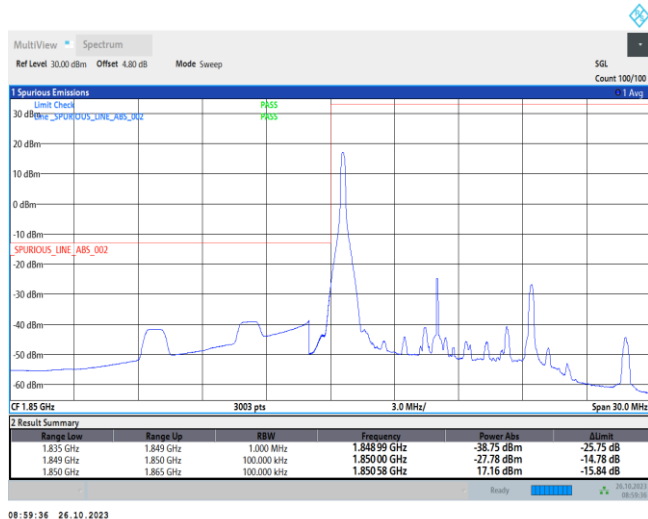


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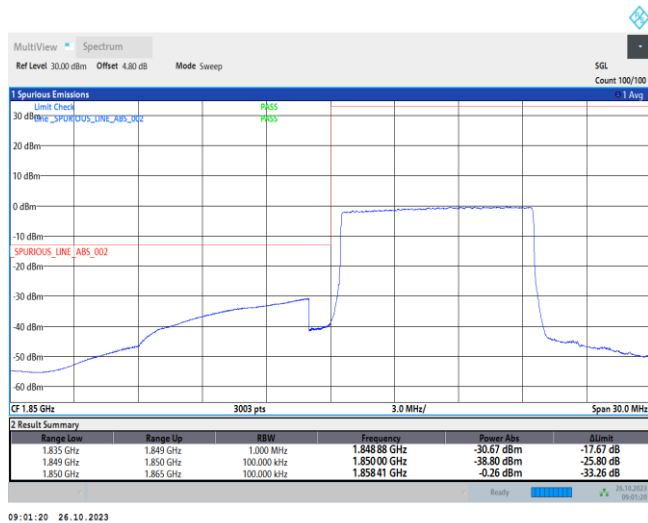
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Band2-10MHz-QPSK-18650-1RB#0



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

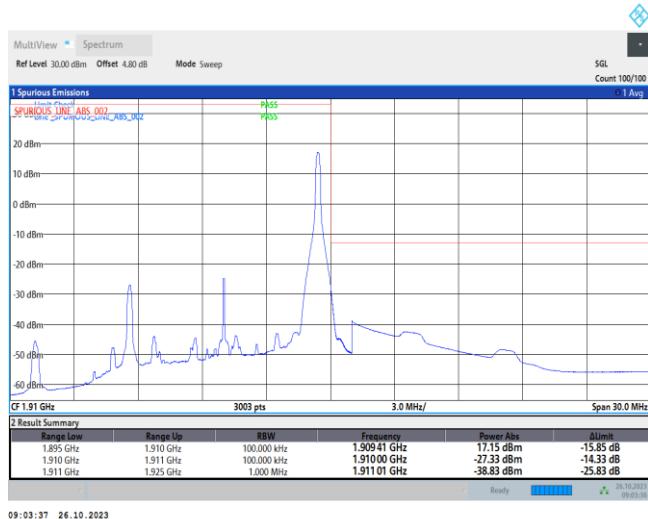


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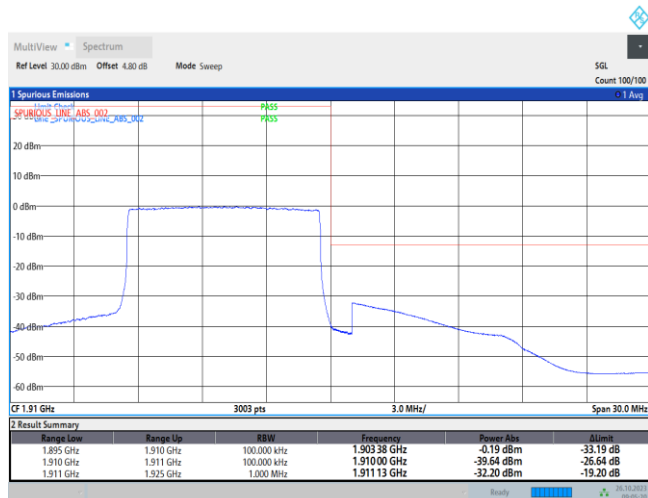
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Band2-10MHz-QPSK-19150-1RB#49



09:03:37 26.10.2023

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



09:05:21 26.10.2023

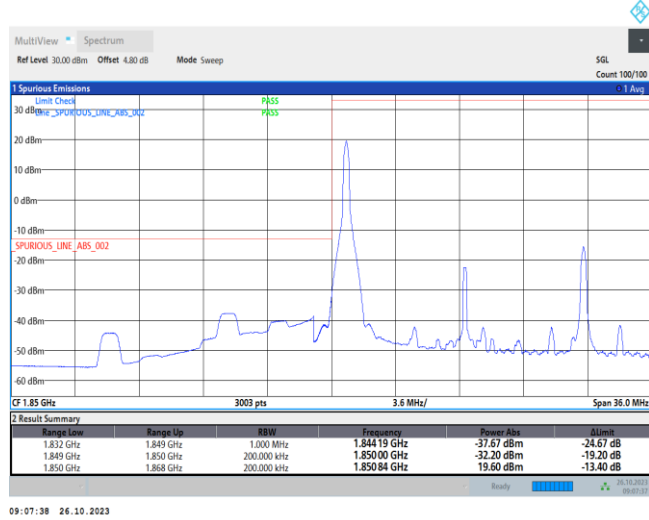


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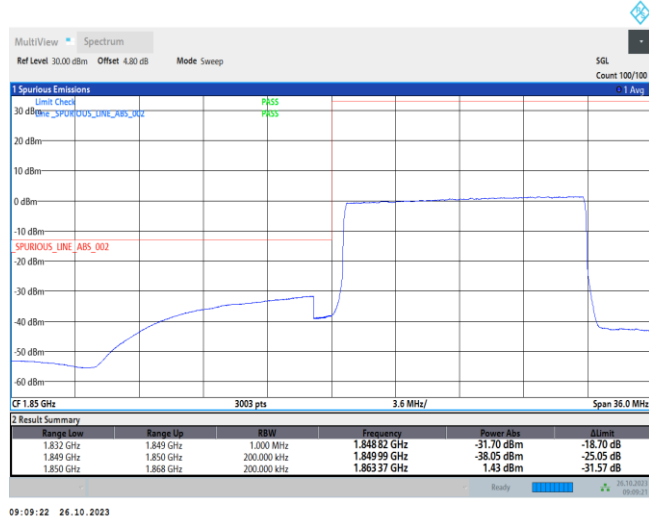
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Band2-15MHz-QPSK-18675-1RB#0



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

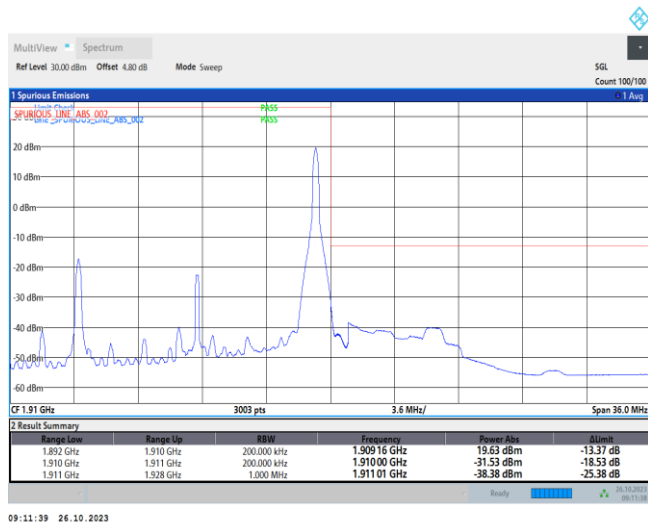


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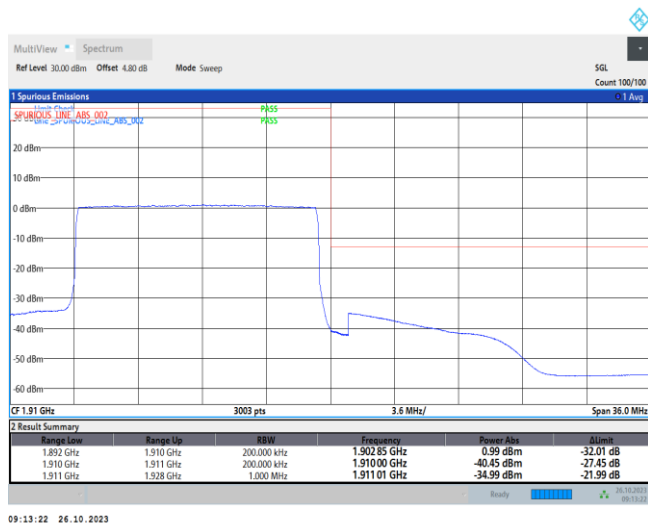
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Band2-15MHz-QPSK-19125-1RB#74



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

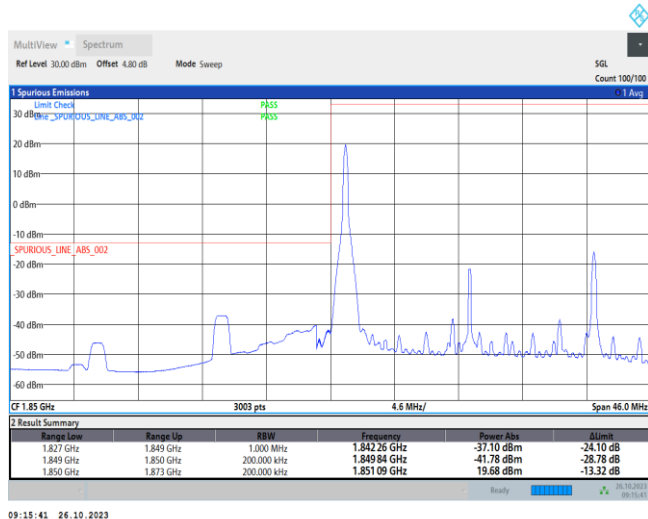


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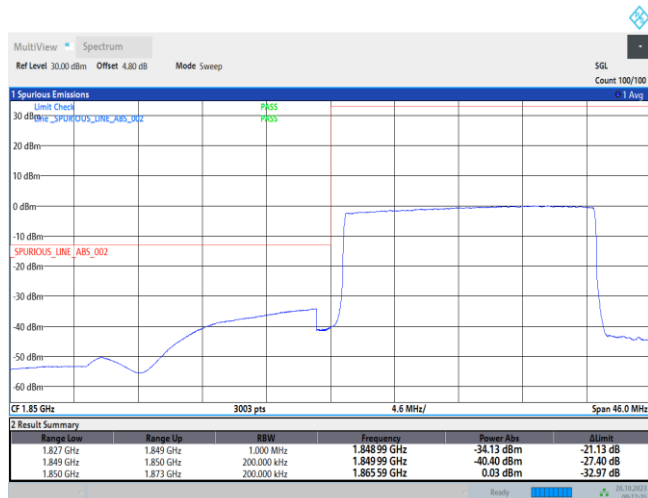
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Band2-20MHz-QPSK-18700-1RB#0



09:15:41 26.10.2023

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



09:17:25 26.10.2023

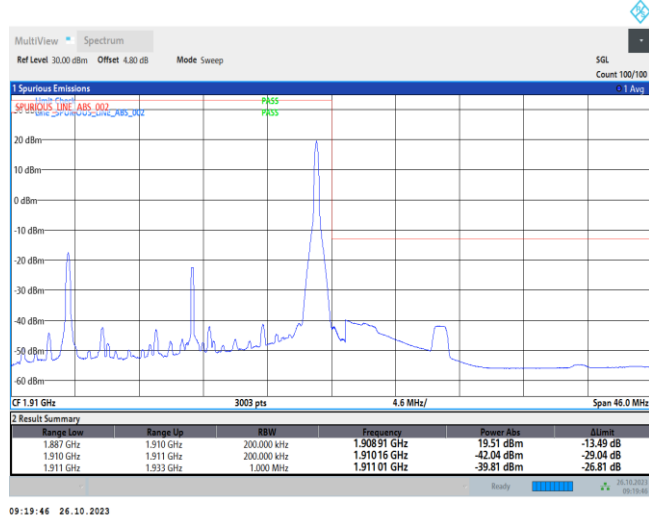


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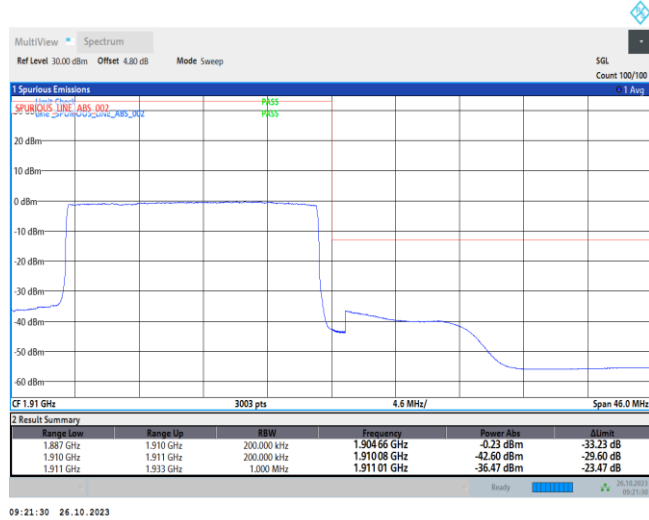
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Band2-20MHz-QPSK-19100-1RB#99



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



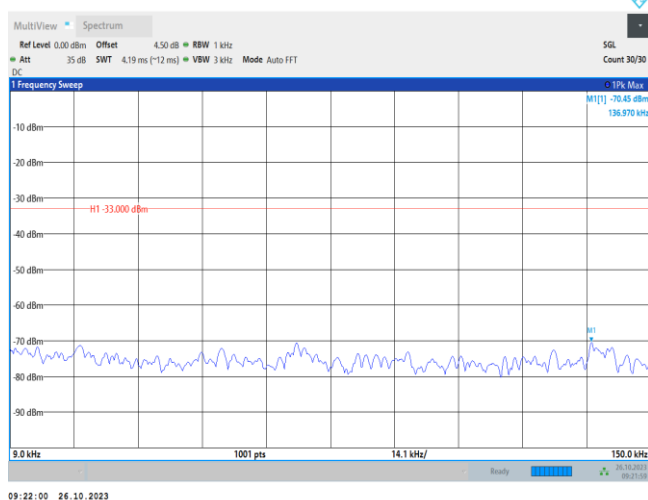
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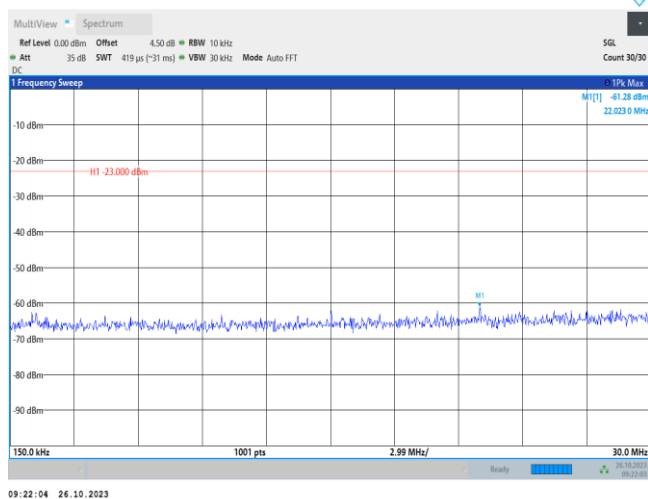
Conducted Spurious Emission

Test Graphs

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



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



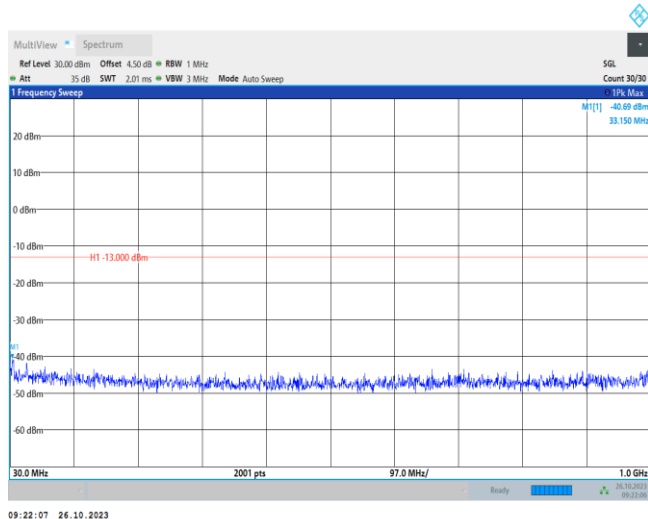
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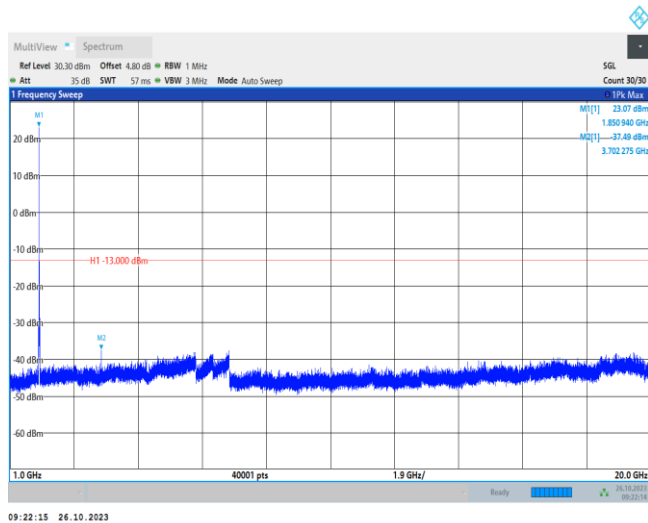
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Band2-20MHz-QPSK-18700-1RB#0-Range3:30~1000MHz



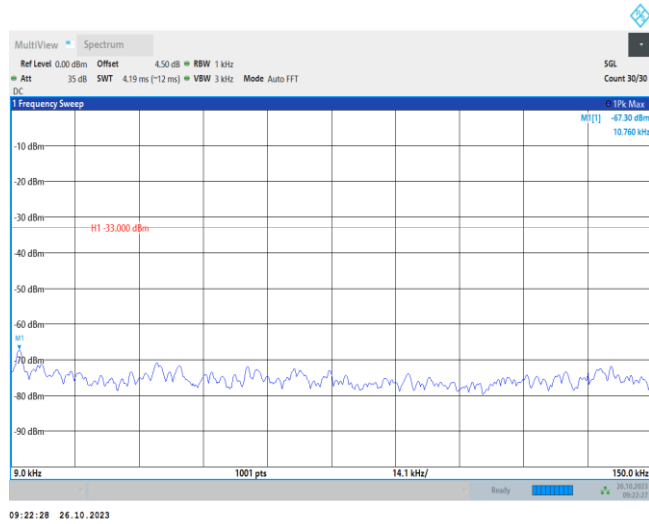
Band2-20MHz-QPSK-18700-1RB#0-Range4:1000~20000MHz



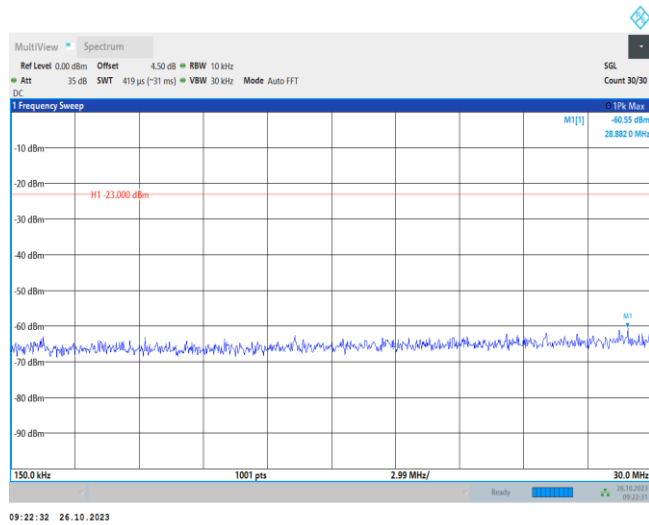
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Band2-20MHz-QPSK-18900-1RB#0-Range1:0.009~0.15MHz



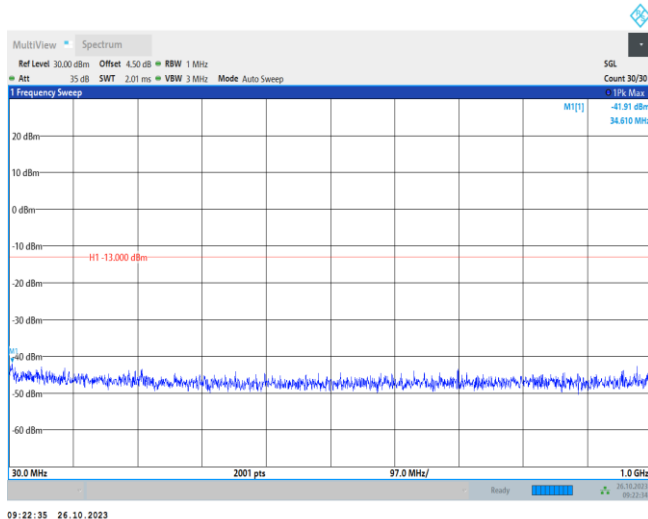
Band2-20MHz-QPSK-18900-1RB#0-Range2:0.15~30MHz



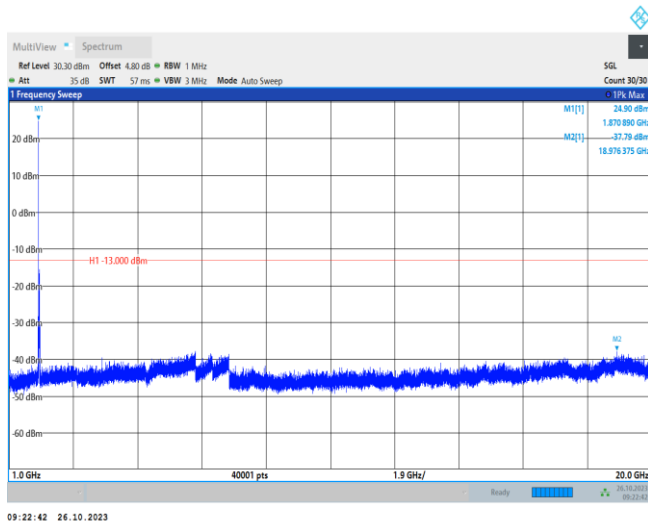
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Band2-20MHz-QPSK-18900-1RB#0-Range3:30~1000MHz

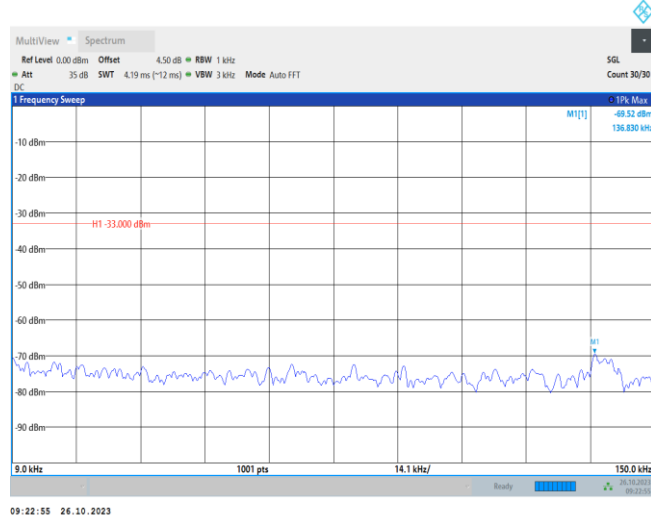


Band2-20MHz-QPSK-18900-1RB#0-Range4:1000~20000MHz

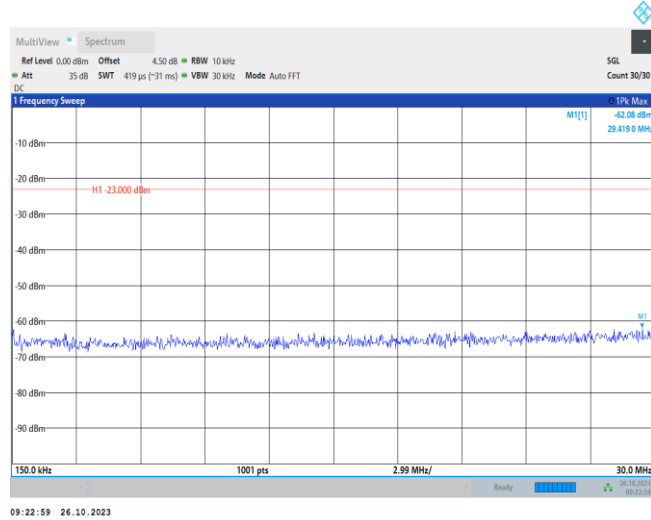


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Band2-20MHz-QPSK-19100-1RB#0-Range1:0.009~0.15MHz



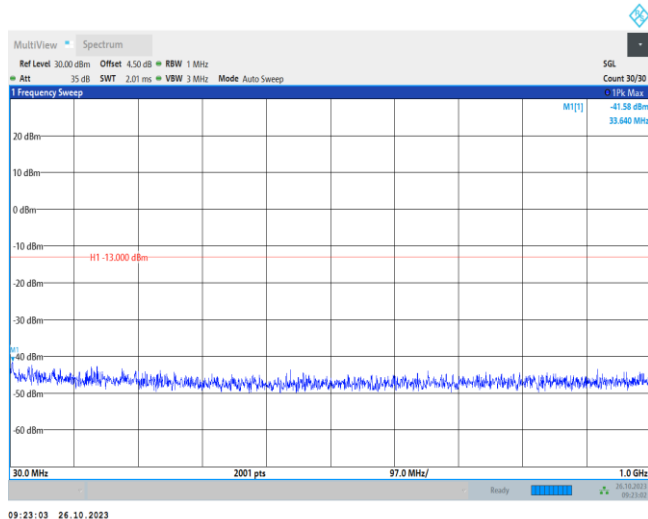
Band2-20MHz-QPSK-19100-1RB#0-Range2:0.15~30MHz



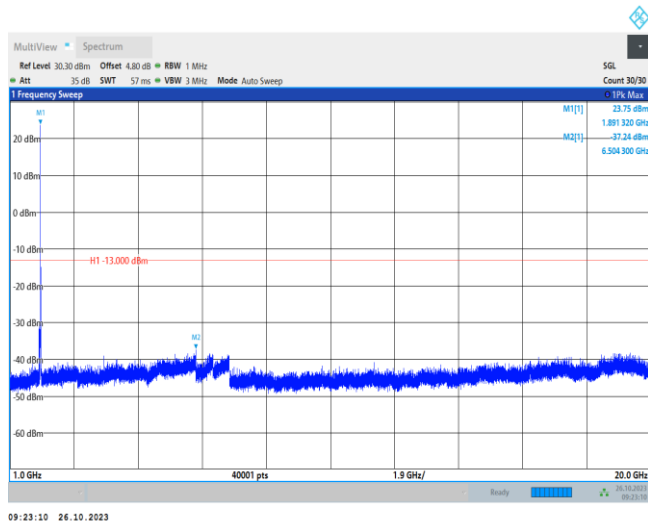
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Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE Band 2_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3711	72.31	-48.47	29.00	-42.43	-13.00	29.43	Horizontal
2	5566.5	53.88	-47.67	32.71	-56.34	-13.00	43.34	Horizontal
3	7422	56.29	-46.17	36.61	-48.53	-13.00	35.53	Horizontal
4	9278.25	46.97	-43.02	37.85	-53.46	-13.00	40.46	Horizontal
5	11133.75	42.70	-40.35	39.37	-53.54	-13.00	40.54	Horizontal
6	14770.5	37.24	-36.80	40.28	-54.54	-13.00	41.54	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3711	64.10	-48.47	29.00	-50.64	-13.00	37.64	Vertical
2	5566.5	49.86	-47.67	32.71	-60.36	-13.00	47.36	Vertical
3	7422	54.03	-46.17	36.61	-50.79	-13.00	37.79	Vertical
4	9278.25	54.39	-43.02	37.85	-46.04	-13.00	33.04	Vertical
5	11133.75	49.02	-40.35	39.37	-47.22	-13.00	34.22	Vertical
6	14844.75	41.11	-37.08	40.22	-51.01	-13.00	38.01	Vertical



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Test Band = LTE Band 2_ TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3750.75	69.73	-48.34	29.05	-44.82	-13.00	31.82	Horizontal
2	5626.5	54.56	-47.64	32.73	-55.62	-13.00	42.62	Horizontal
3	7502.25	51.66	-46.13	36.80	-52.94	-13.00	39.94	Horizontal
4	9378	45.53	-43.01	37.94	-54.80	-13.00	41.80	Horizontal
5	11253.75	44.08	-40.40	39.35	-52.24	-13.00	39.24	Horizontal
6	13097.63	36.42	-38.42	38.83	-58.43	-13.00	45.43	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3750.75	61.90	-48.34	29.05	-52.65	-13.00	39.65	Vertical
2	5626.5	48.97	-47.64	32.73	-61.21	-13.00	48.21	Vertical
3	7502.25	57.81	-46.13	36.80	-46.79	-13.00	33.79	Vertical
4	9378	51.52	-43.01	37.94	-48.81	-13.00	35.81	Vertical
5	11253.75	48.11	-40.40	39.35	-48.21	-13.00	35.21	Vertical
6	13084.5	38.02	-38.55	38.79	-57.00	-13.00	44.00	Vertical



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Test Band = LTE Band 2_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3791.25	72.40	-48.21	29.11	-41.96	-13.00	28.96	Horizontal
2	5686.5	58.03	-47.52	32.74	-52.01	-13.00	39.01	Horizontal
3	7582.5	52.36	-44.85	36.70	-51.05	-13.00	38.05	Horizontal
4	9477.75	47.64	-42.52	38.03	-52.11	-13.00	39.11	Horizontal
5	11373.75	44.15	-40.18	39.33	-51.96	-13.00	38.96	Horizontal
6	13237.63	37.05	-38.85	39.15	-57.91	-13.00	44.91	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3791.25	64.78	-48.21	29.11	-49.58	-13.00	36.58	Vertical
2	5686.5	52.61	-47.52	32.74	-57.43	-13.00	44.43	Vertical
3	7582.5	56.01	-44.85	36.70	-47.40	-13.00	34.40	Vertical
4	9477.75	51.36	-42.52	38.03	-48.39	-13.00	35.39	Vertical
5	11373.75	48.46	-40.18	39.33	-47.65	-13.00	34.65	Vertical
6	13237.63	37.53	-38.85	39.15	-57.43	-13.00	44.43	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-30.80	-0.016383	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-37.70	-0.020053	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-14.00	-0.007447	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-18.20	-0.009681	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-21.60	-0.011489	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-6.50	-0.003457	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-11.80	-0.006277	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-28.50	-0.015160	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-1.20	-0.000638	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-27.70	-0.014734	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	3.80	0.002021	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	0.80	0.000426	PASS

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