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Appendix B.1

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	22.8	24.39	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.75	24.34	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.69	24.28	33	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.69	23.28	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.6	24.19	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.77	24.36	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.61	24.2	33	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.68	23.27	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.98	24.57	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.09	24.68	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.96	24.55	33	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.21	23.8	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.12	23.71	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.29	23.88	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	21.97	23.56	33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	20.85	22.44	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	21.85	23.44	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.99	23.58	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	21.99	23.58	33	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	20.76	22.35	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.36	23.95	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.29	23.88	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.48	24.07	33	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.29	22.88	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.78	24.37	33	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.8	24.39	33	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.78	24.37	33	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.82	23.41	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.79	24.38	33	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.81	24.4	33	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.78	24.37	33	PASS



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Band2	3MHz	QPSK	18900	15RB#0	21.87	23.46	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.06	24.65	33	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.26	24.85	33	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.17	24.76	33	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.25	23.84	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.08	23.67	33	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.21	23.8	33	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.13	23.72	33	PASS
Band2	3MHz	16QAM	18615	15RB#0	20.86	22.45	33	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.02	23.61	33	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.19	23.78	33	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.05	23.64	33	PASS
Band2	3MHz	16QAM	18900	15RB#0	20.93	22.52	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.5	24.09	33	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.42	24.01	33	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.42	24.01	33	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.36	22.95	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.88	24.47	33	PASS
Band2	5MHz	QPSK	18625	1RB#12	22.81	24.4	33	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.85	24.44	33	PASS
Band2	5MHz	QPSK	18625	25RB#0	21.87	23.46	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.86	24.45	33	PASS
Band2	5MHz	QPSK	18900	1RB#12	22.85	24.44	33	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.88	24.47	33	PASS
Band2	5MHz	QPSK	18900	25RB#0	21.84	23.43	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.26	24.85	33	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.21	24.8	33	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.16	24.75	33	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.25	23.84	33	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.08	23.67	33	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.12	23.71	33	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.15	23.74	33	PASS
Band2	5MHz	16QAM	18625	25RB#0	20.91	22.5	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.22	23.81	33	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.2	23.79	33	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.14	23.73	33	PASS
Band2	5MHz	16QAM	18900	25RB#0	20.94	22.53	33	PASS



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Band2	5MHz	16QAM	19175	1RB#0	22.52	24.11	33	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.52	24.11	33	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.41	24	33	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.33	22.92	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.79	24.38	33	PASS
Band2	10MHz	QPSK	18650	1RB#24	22.85	24.44	33	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.82	24.41	33	PASS
Band2	10MHz	QPSK	18650	50RB#0	21.84	23.43	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.85	24.44	33	PASS
Band2	10MHz	QPSK	18900	1RB#24	22.88	24.47	33	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.86	24.45	33	PASS
Band2	10MHz	QPSK	18900	50RB#0	21.94	23.53	33	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.07	24.66	33	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.15	24.74	33	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.2	24.79	33	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.29	23.88	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.16	23.75	33	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.15	23.74	33	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.14	23.73	33	PASS
Band2	10MHz	16QAM	18650	50RB#0	20.92	22.51	33	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.11	23.7	33	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.24	23.83	33	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.21	23.8	33	PASS
Band2	10MHz	16QAM	18900	50RB#0	20.96	22.55	33	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.43	24.02	33	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.56	24.15	33	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.44	24.03	33	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.3	22.89	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.81	24.4	33	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.82	24.41	33	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.79	24.38	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	21.9	23.49	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.78	24.37	33	PASS
Band2	15MHz	QPSK	18900	1RB#38	22.87	24.46	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.92	24.51	33	PASS
Band2	15MHz	QPSK	18900	75RB#0	21.92	23.51	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.11	24.7	33	PASS



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Band2	15MHz	QPSK	19125	1RB#38	23.22	24.81	33	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.18	24.77	33	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.22	23.81	33	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.11	23.7	33	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.17	23.76	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.15	23.74	33	PASS
Band2	15MHz	16QAM	18675	75RB#0	20.9	22.49	33	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.07	23.66	33	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.11	23.7	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.33	23.92	33	PASS
Band2	15MHz	16QAM	18900	75RB#0	20.98	22.57	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.47	24.06	33	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.44	24.03	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.48	24.07	33	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.29	22.88	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.77	24.36	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	22.84	24.43	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.69	24.28	33	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.79	23.38	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.73	24.32	33	PASS
Band2	20MHz	QPSK	18900	1RB#49	22.87	24.46	33	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.86	24.45	33	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.92	23.51	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.08	24.67	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.2	24.79	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.23	24.82	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.34	23.93	33	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.01	23.6	33	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.17	23.76	33	PASS
Band2	20MHz	16QAM	18700	1RB#99	22	23.59	33	PASS
Band2	20MHz	16QAM	18700	100RB#0	20.79	22.38	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.06	23.65	33	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.12	23.71	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.23	23.82	33	PASS
Band2	20MHz	16QAM	18900	100RB#0	20.95	22.54	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.36	23.95	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.4	23.99	33	PASS



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Band2	20MHz	16QAM	19100	1RB#99	22.51	24.1	33	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.35	22.94	33	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	5.36	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.60	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.32	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.14	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.42	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.20	13	PASS



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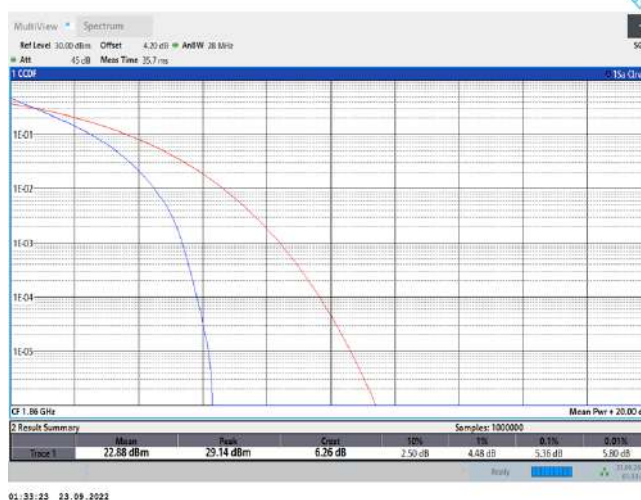
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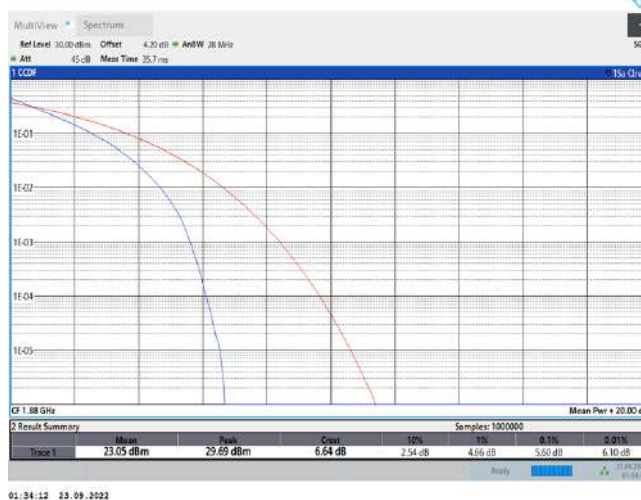
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Test Graphs

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



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



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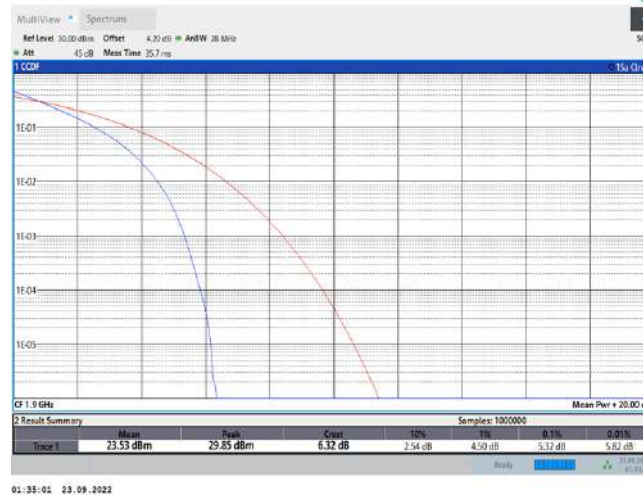
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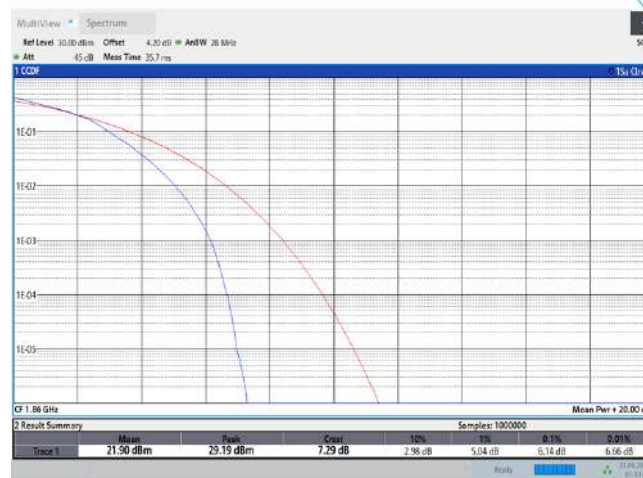
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Band2-20MHz-QPSK-19100-100RB#0



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



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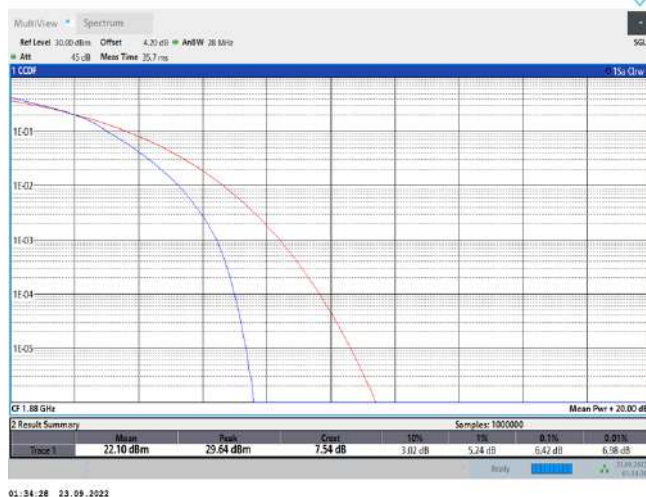
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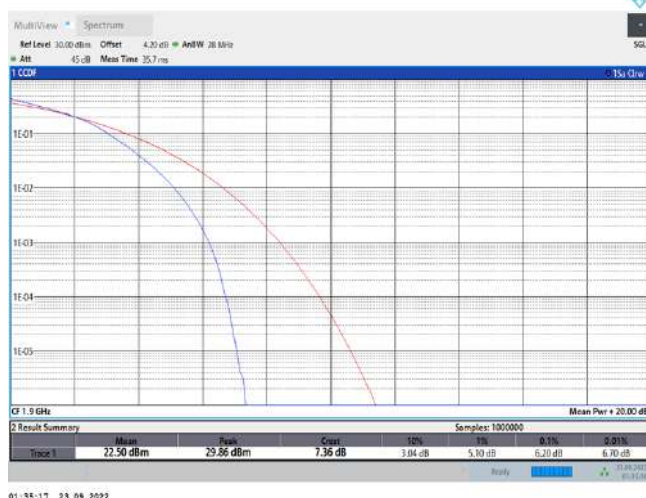
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Band2-20MHz-16QAM-18900-100RB#0



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



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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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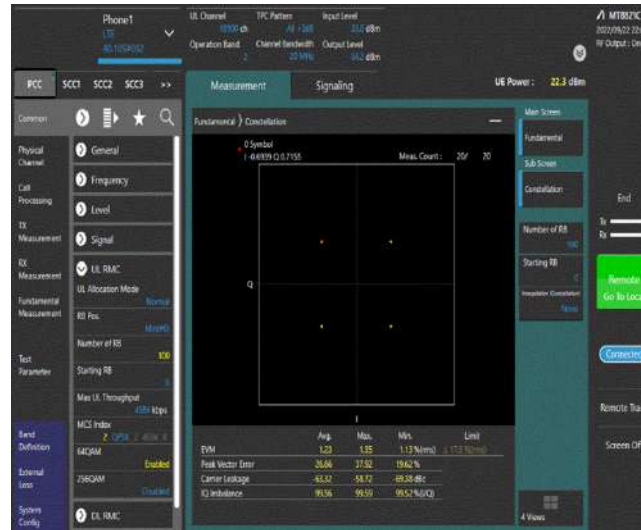
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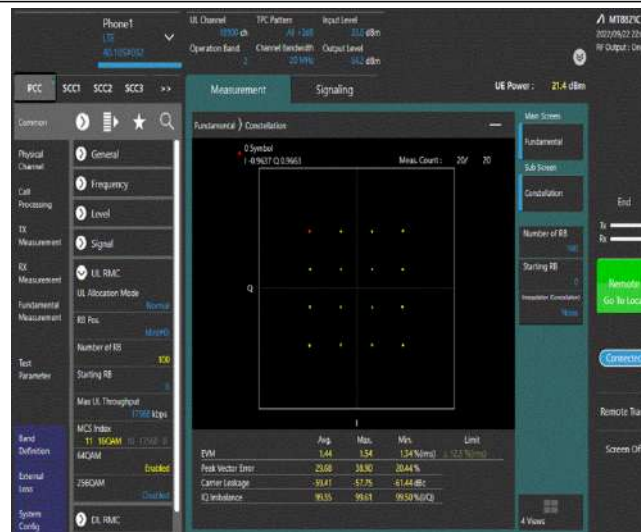
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Test Graphs

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



Band2-20MHz-16QAM-18900-100RB#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	18607	6RB#0	1.085	1.23	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.086	1.23	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.085	1.24	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.091	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	2.694	2.97	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.699	2.98	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.693	2.99	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.689	2.99	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.688	2.98	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.69	2.98	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.475	4.90	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.475	4.88	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.471	4.89	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.465	4.93	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.464	4.65	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.462	4.66	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.929	9.60	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.938	9.66	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.949	9.66	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.926	9.62	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.921	9.60	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.918	9.62	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.471	14.76	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.473	14.70	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.473	14.70	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.446	14.73	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.449	14.82	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.452	14.79	PASS



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Band2	20MHz	QPSK	18700	100RB#0	17.881	19.52	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.912	19.36	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.887	19.44	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.878	19.36	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.876	19.36	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.855	19.36	PASS



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Test Graphs

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



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



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



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



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



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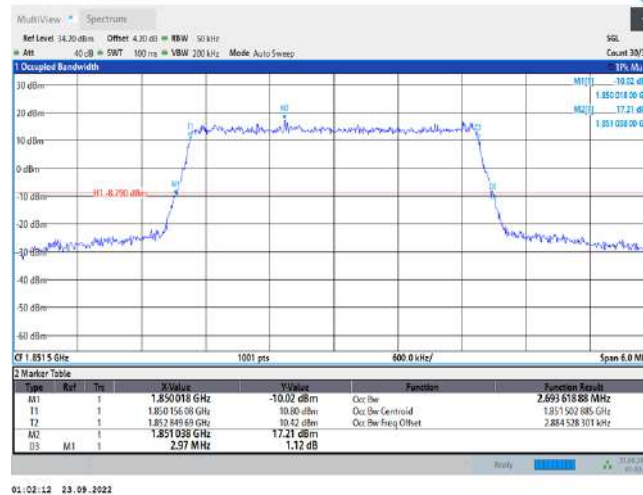
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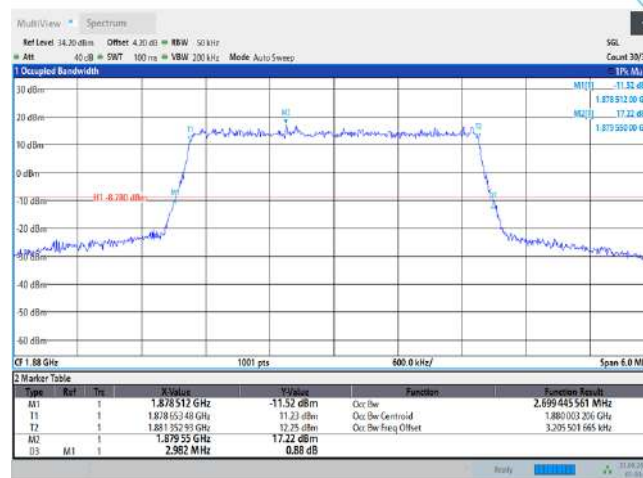
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Band2-3MHz-QPSK-18615-15RB#0



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



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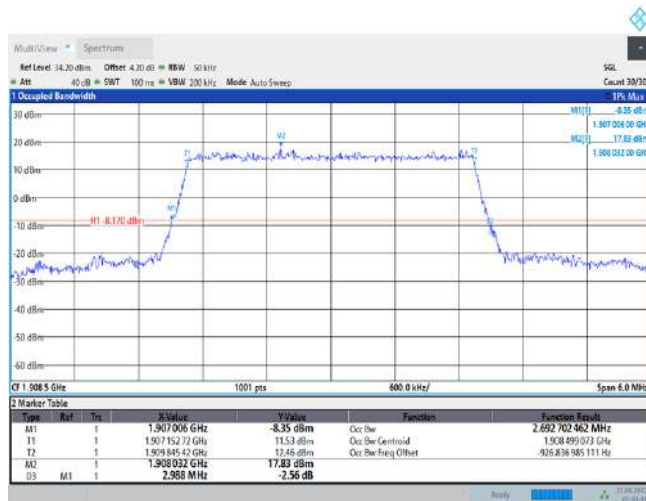
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Band2-3MHz-QPSK-19185-15RB#0



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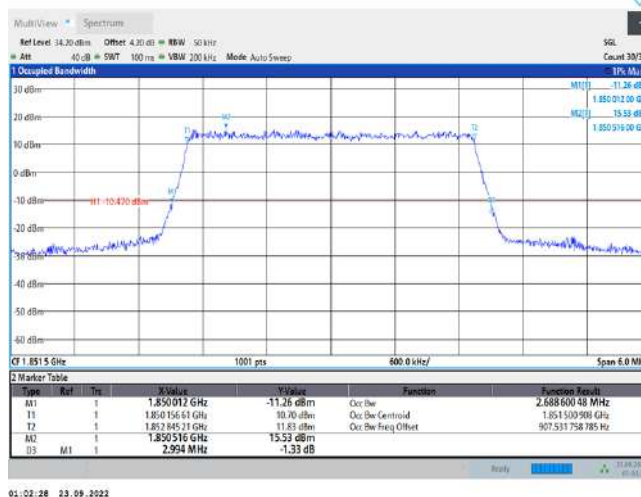
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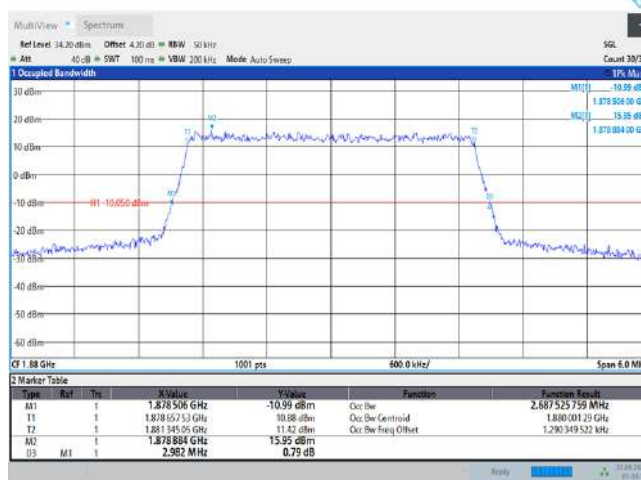
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Band2-3MHz-16QAM-18615-15RB#0



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



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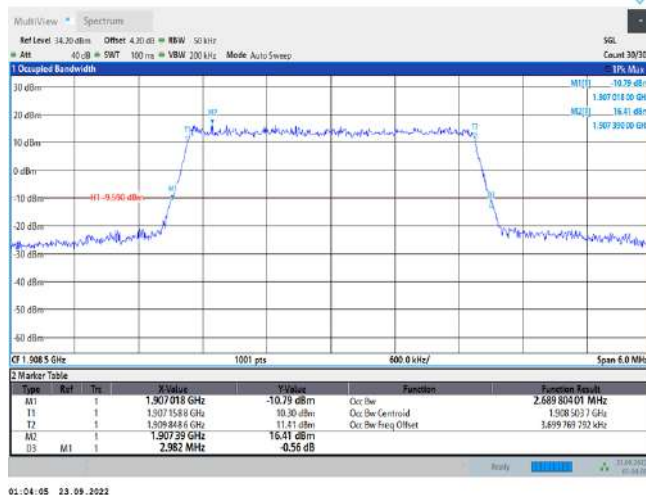
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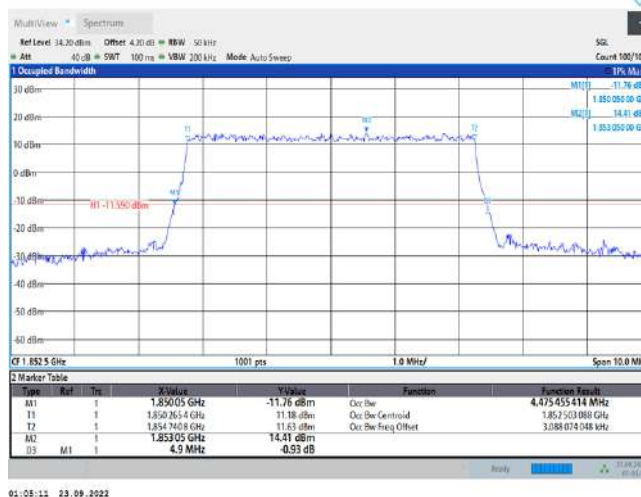
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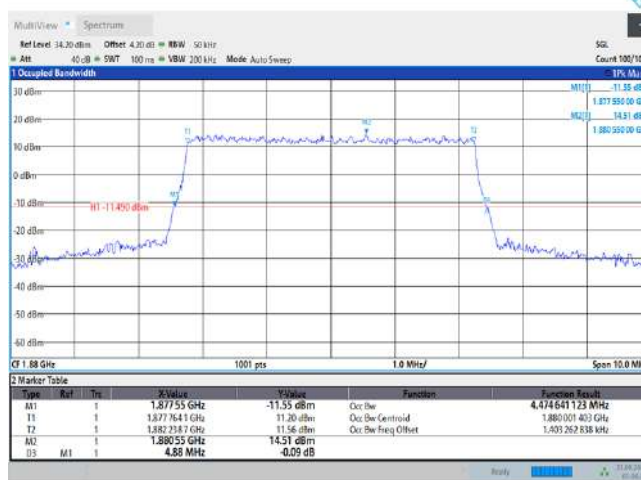
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Band2-5MHz-QPSK-18900-25RB#0



01:06:21 23.09.2022



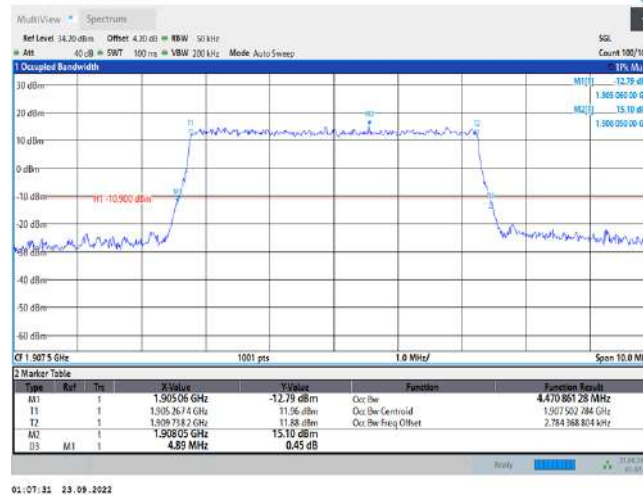
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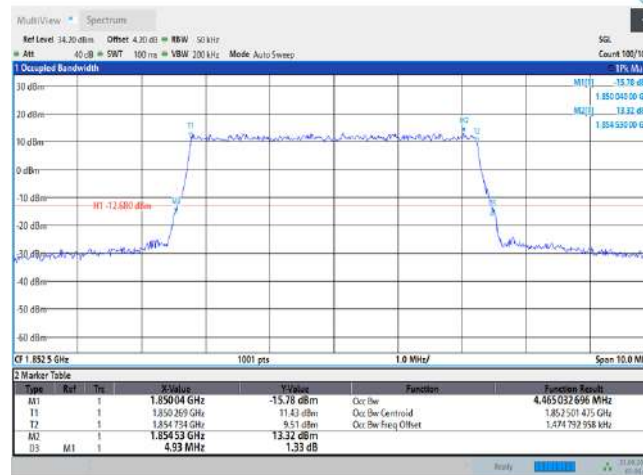
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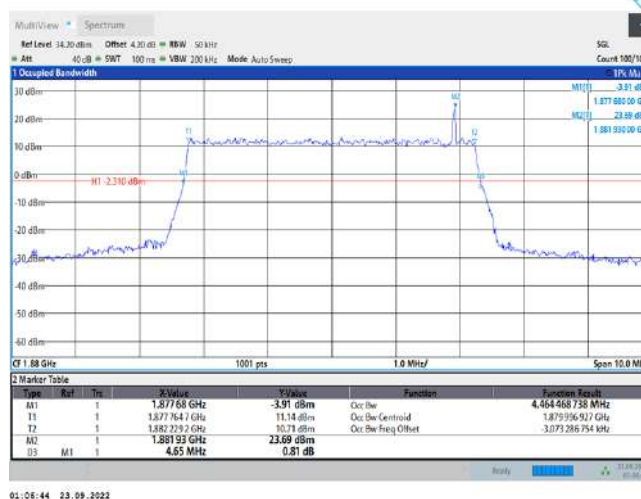
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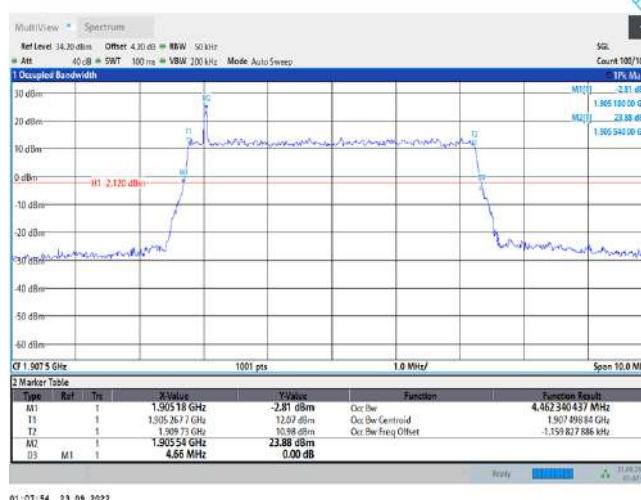


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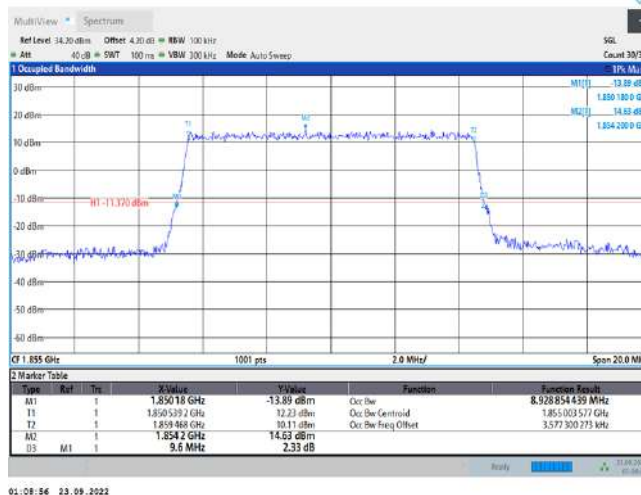
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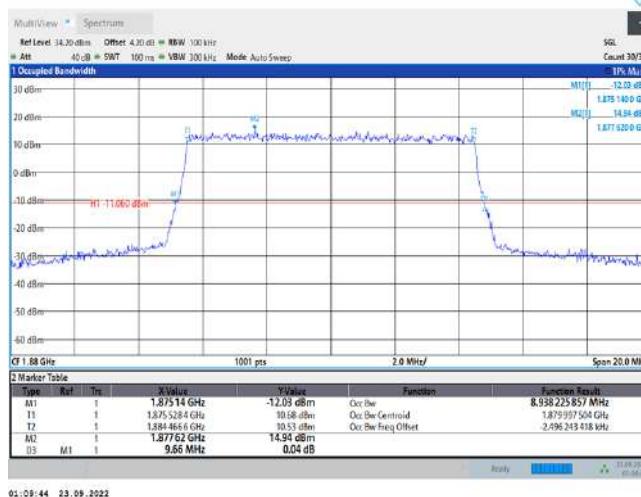
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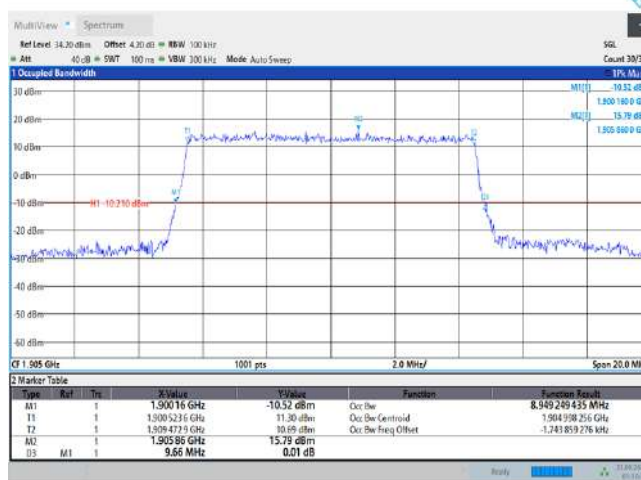
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Band2-10MHz-QPSK-19150-50RB#0



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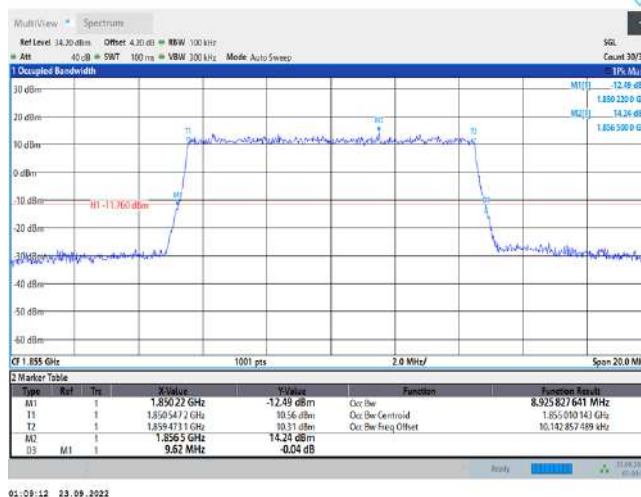
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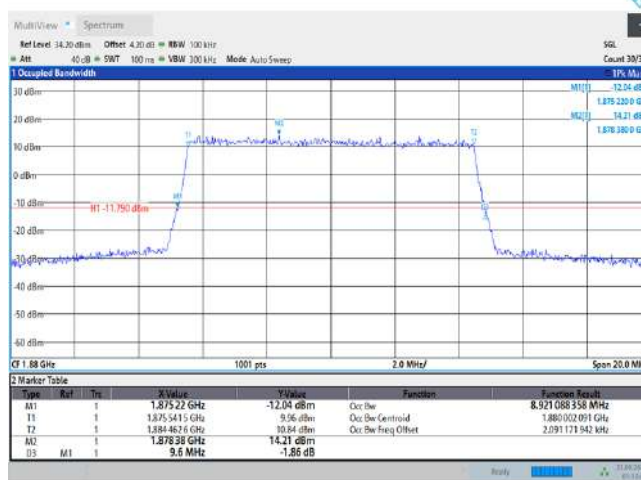
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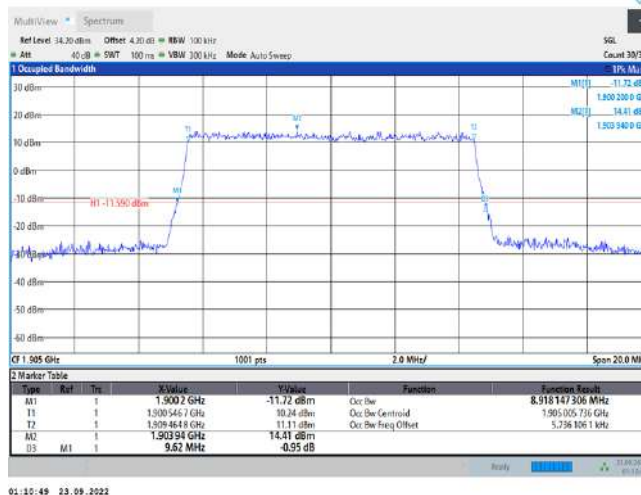
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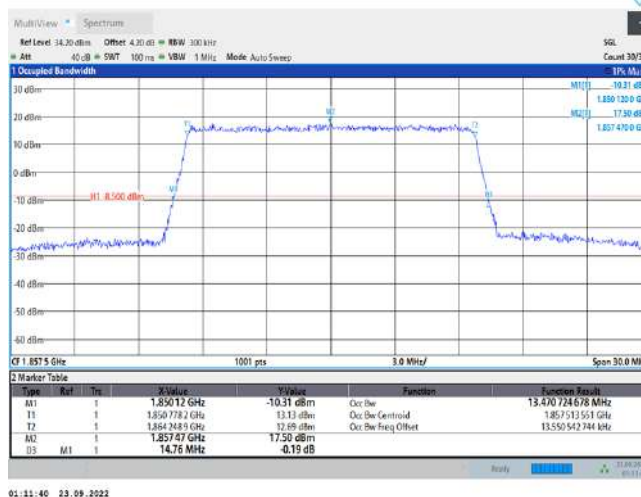
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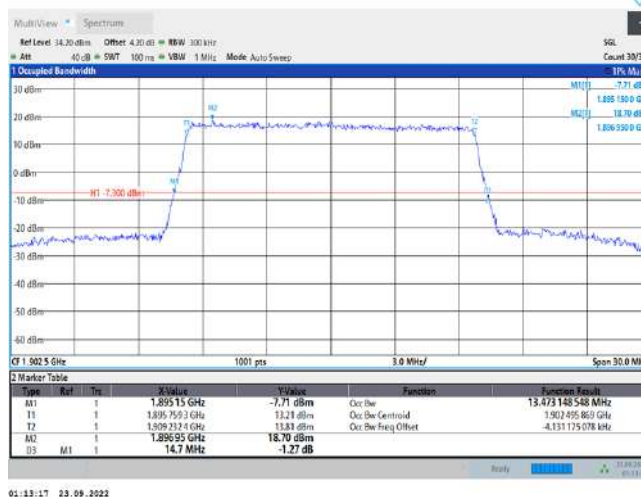
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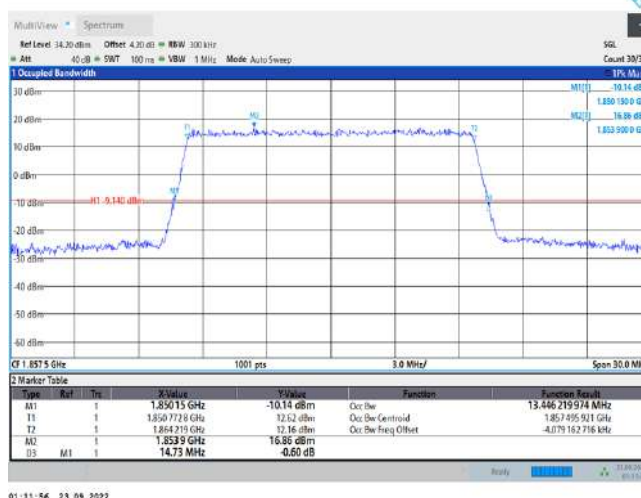
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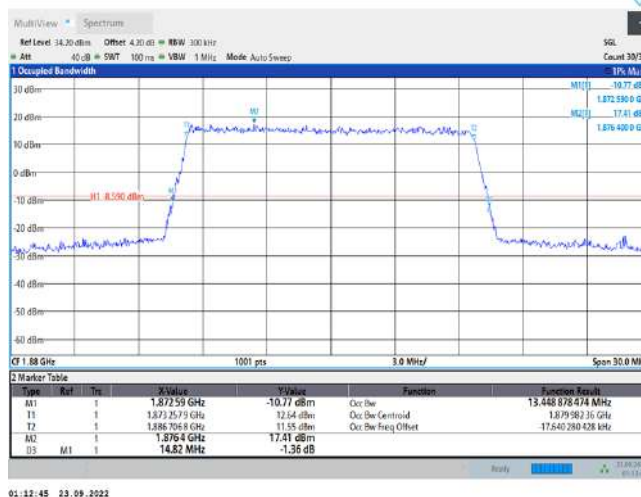
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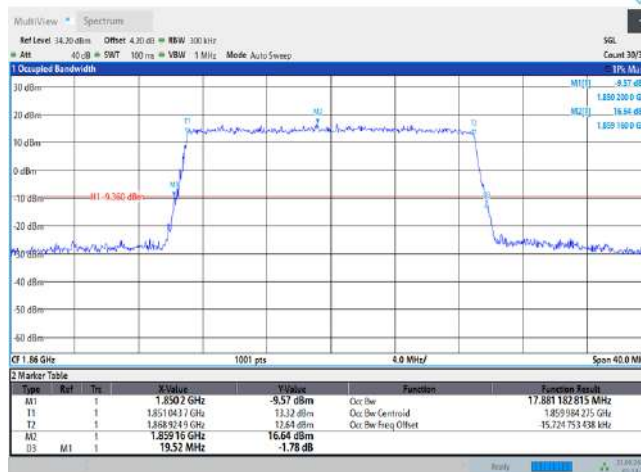
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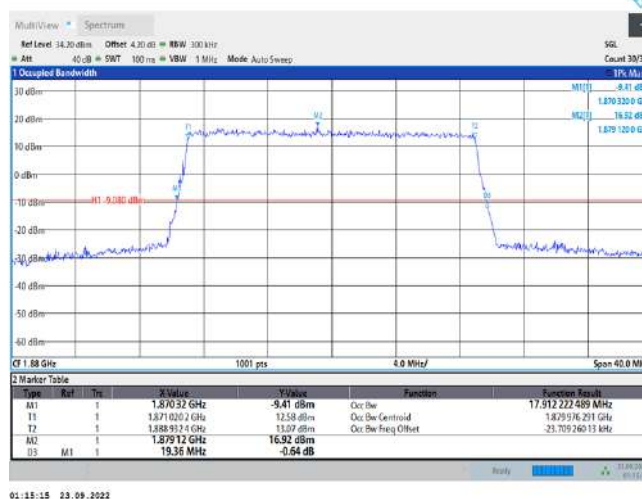
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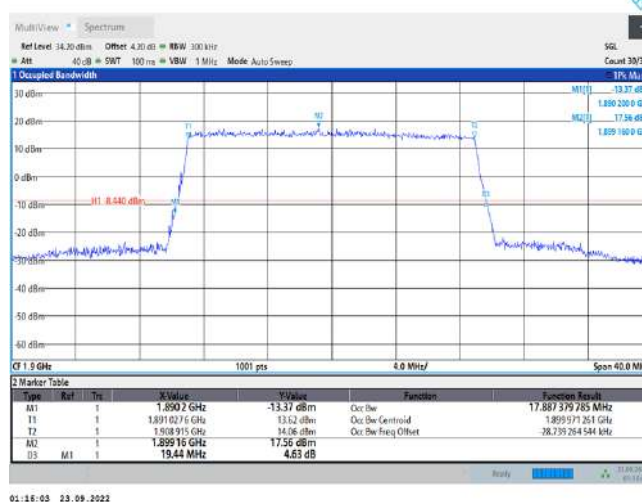
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Band2-20MHz-QPSK-18900-100RB#0



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



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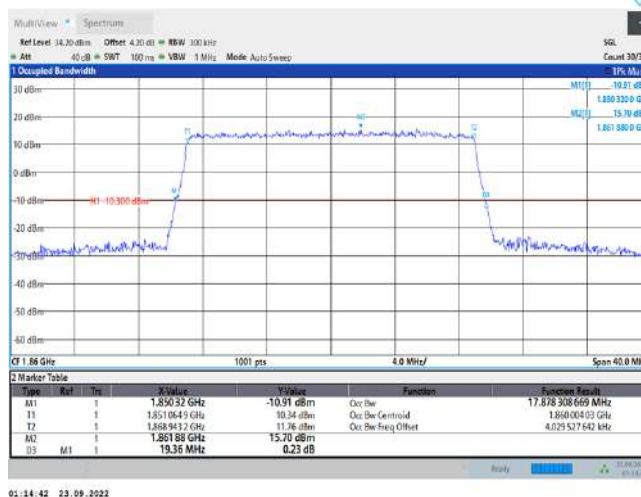
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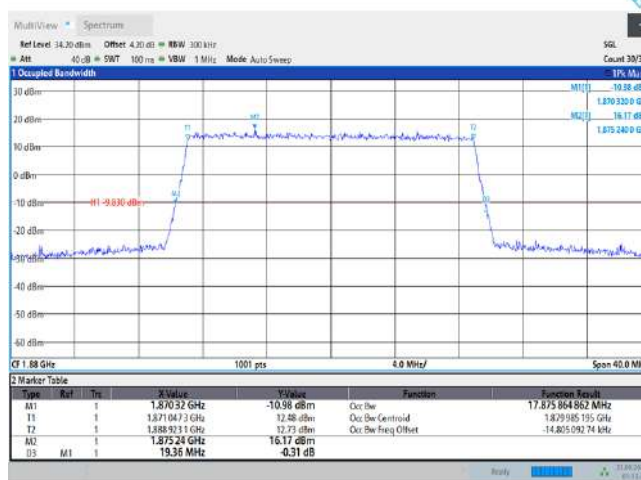
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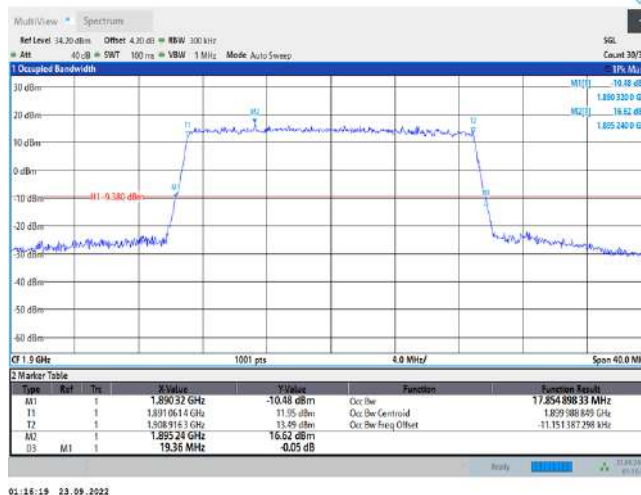
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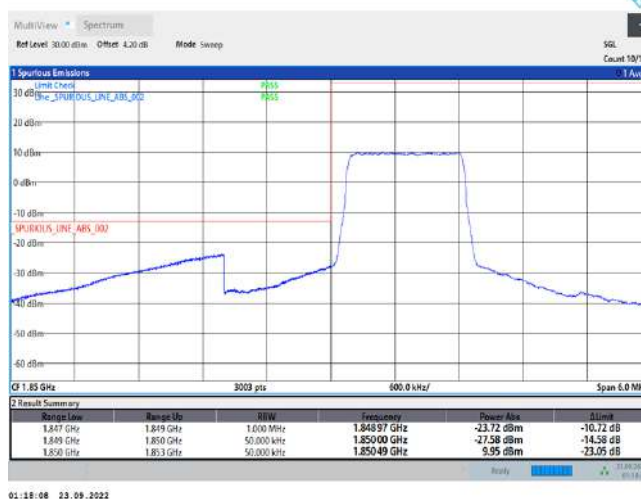
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Test Graphs

Band2-1.4MHz-QPSK-18607-1RB#0



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



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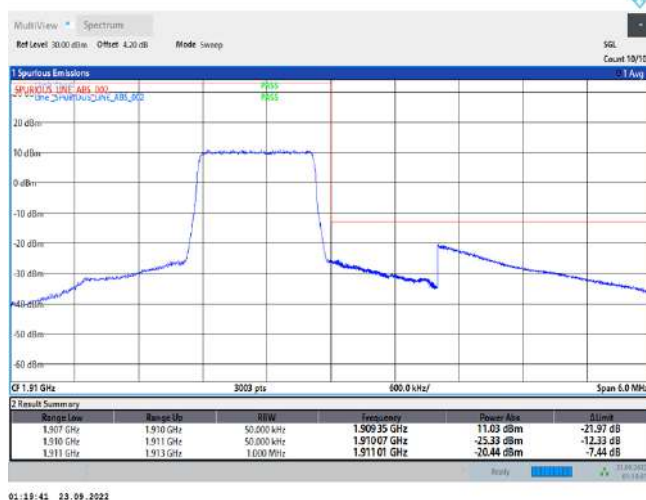
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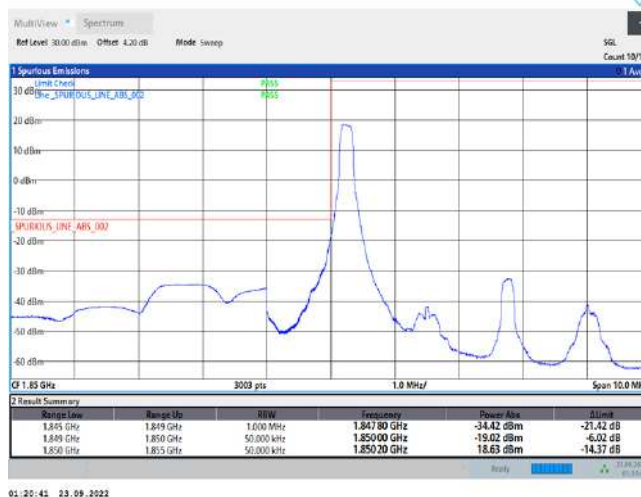
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Band2-3MHz-QPSK-19185-1RB#14



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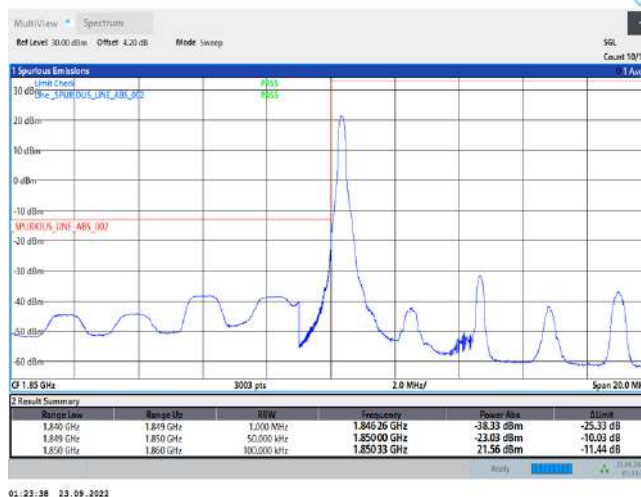
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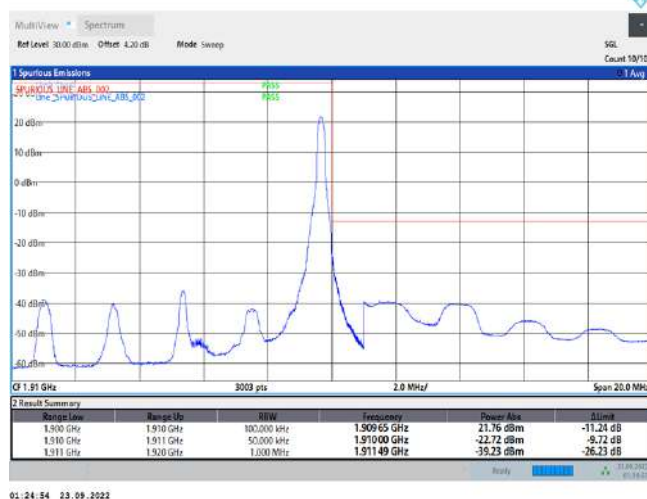
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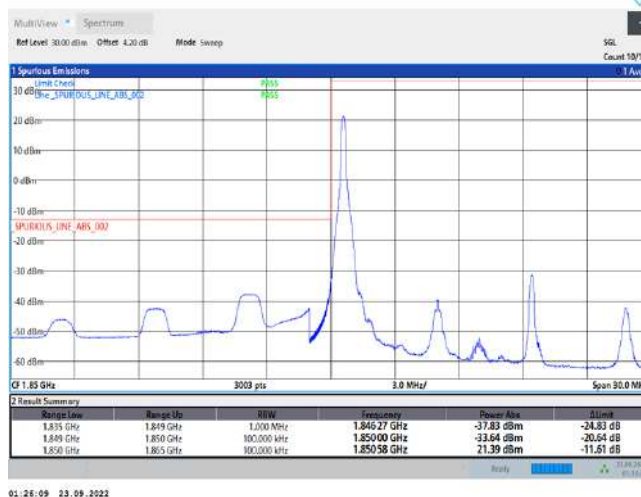
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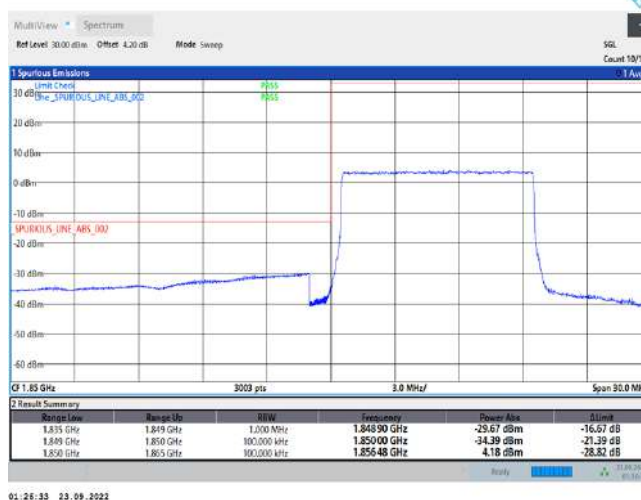
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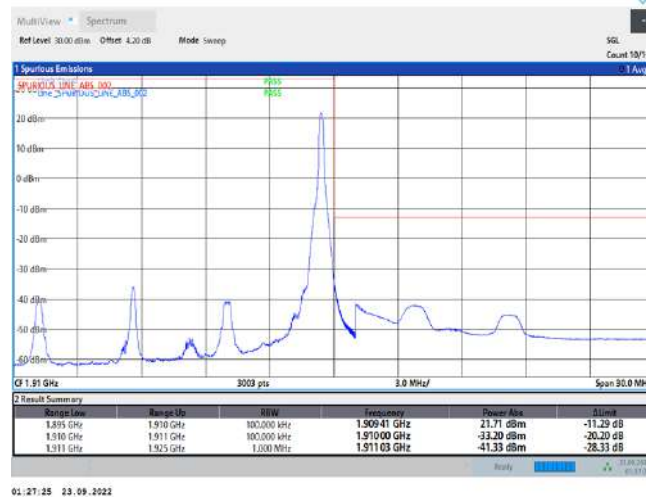
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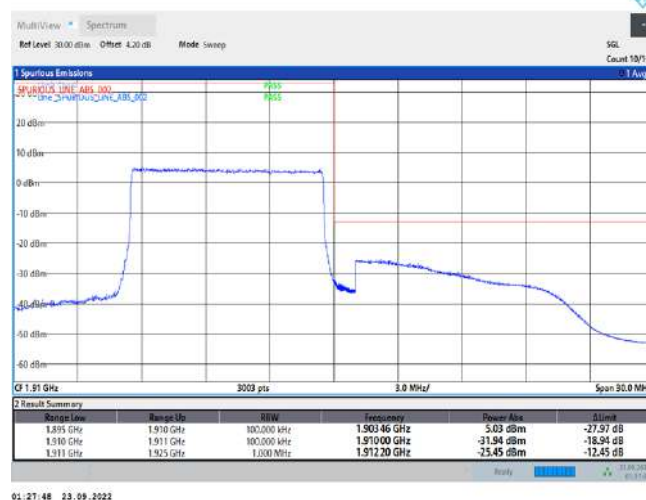
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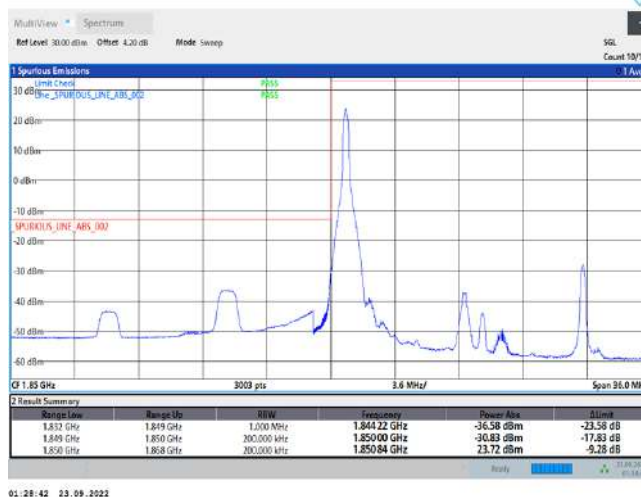
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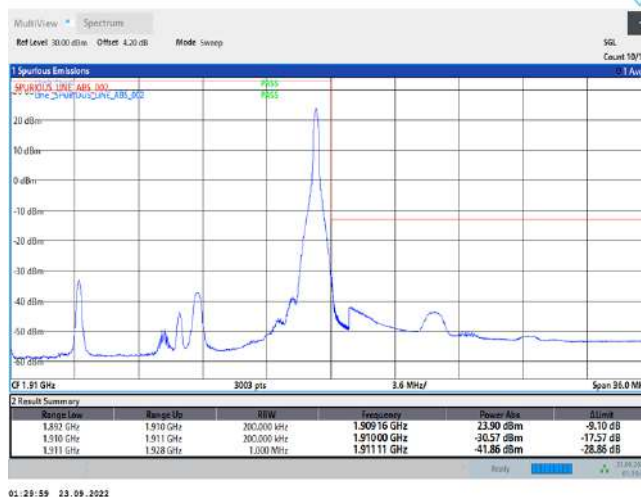
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Band2-15MHz-QPSK-19125-75RB#0



01:30:22 23.09.2022



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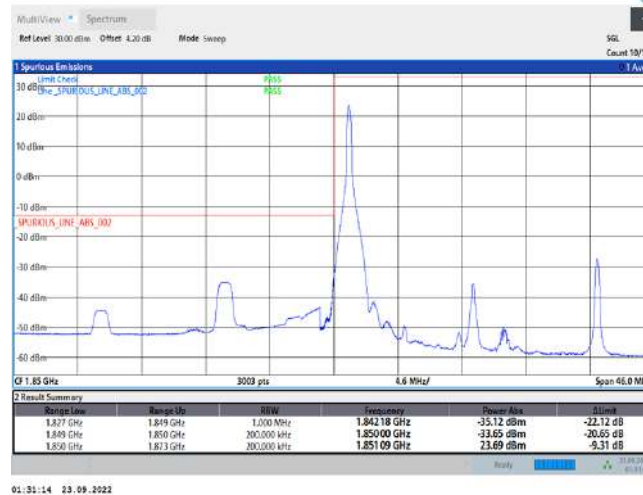
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Band2-20MHz-QPSK-18700-1RB#0



01:31:14 23.09.2022

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



01:31:38 23.09.2022



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



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



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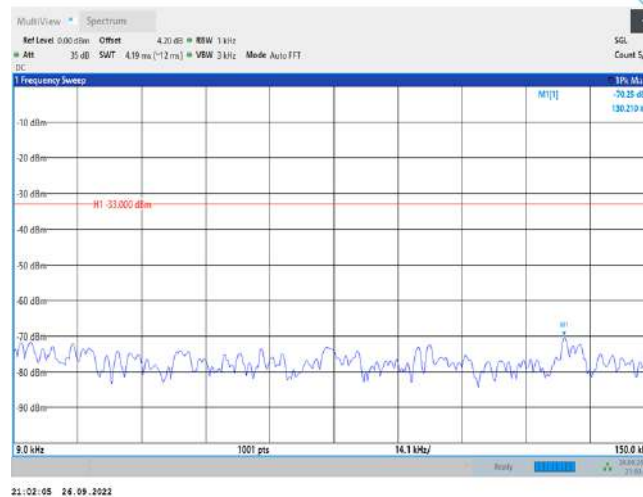
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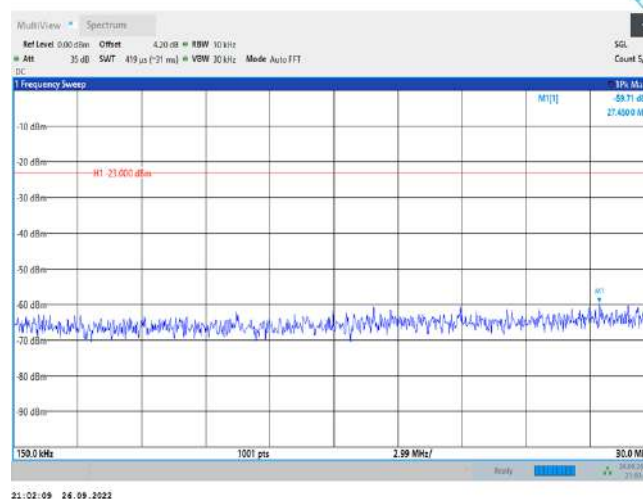
Conducted Spurious Emission

Test Graphs

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



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

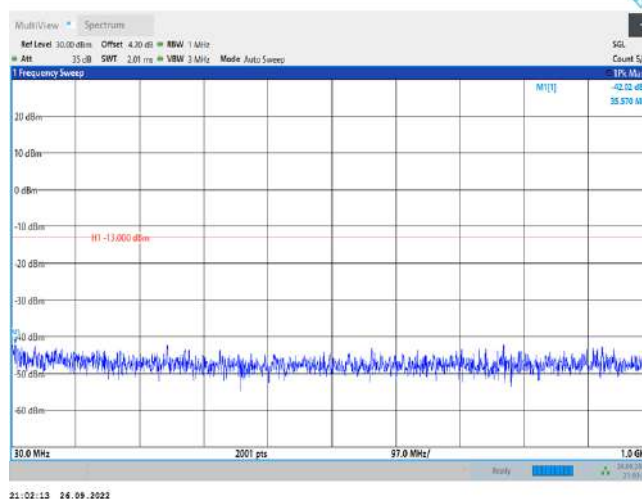


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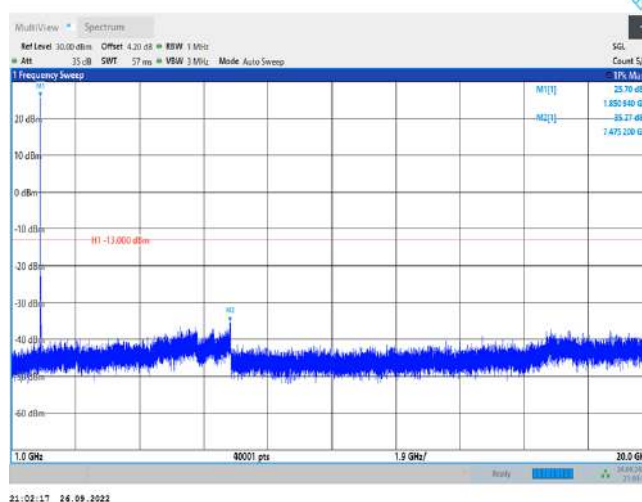
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Band2-20MHz-QPSK-18700-1RB#0-Range3:30~1000MHz



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



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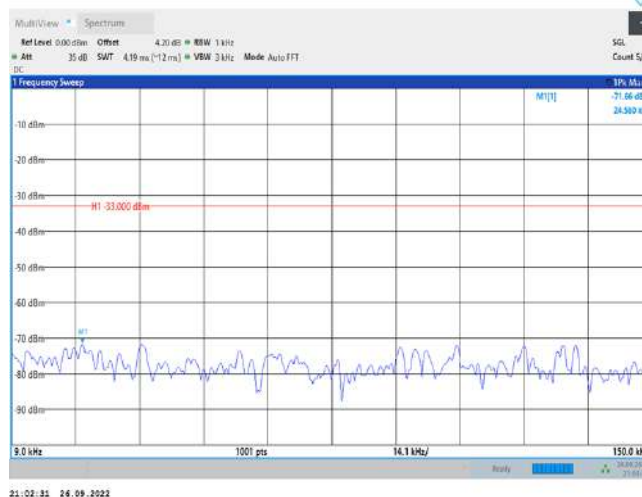
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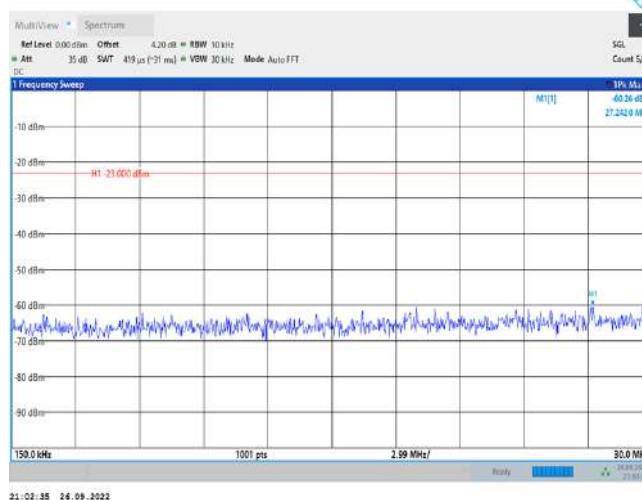
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Band2-20MHz-QPSK-18900-1RB#0-Range1:0.009~0.15MHz



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



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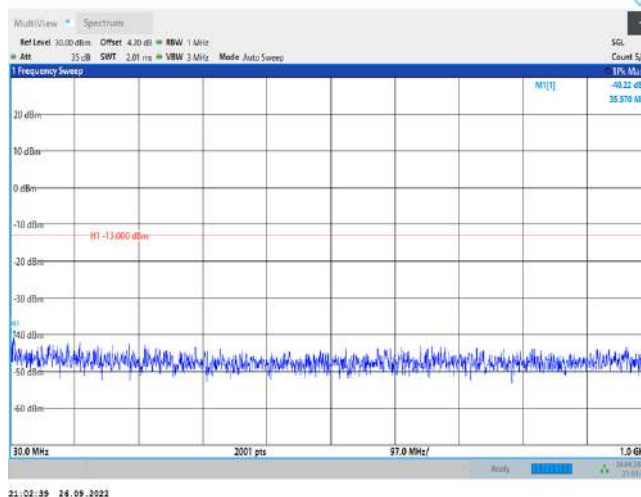
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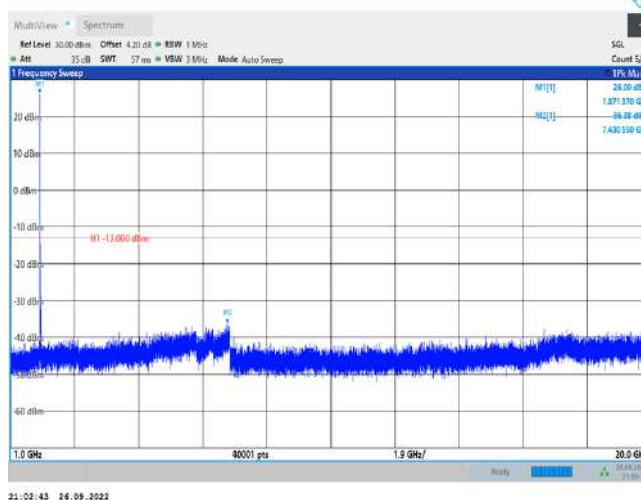
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Band2-20MHz-QPSK-18900-1RB#0-Range3:30~1000MHz



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



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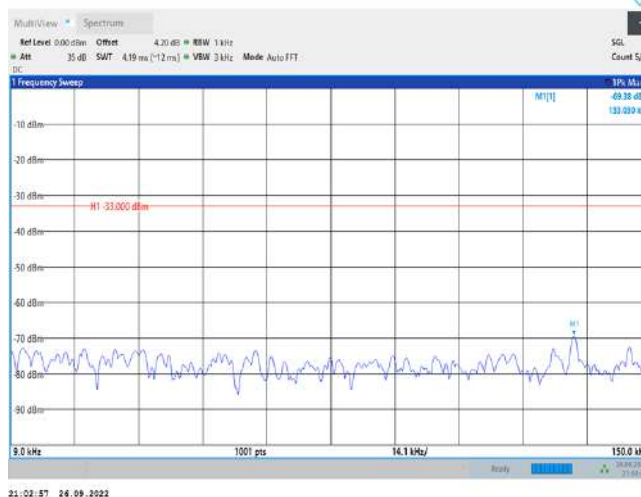
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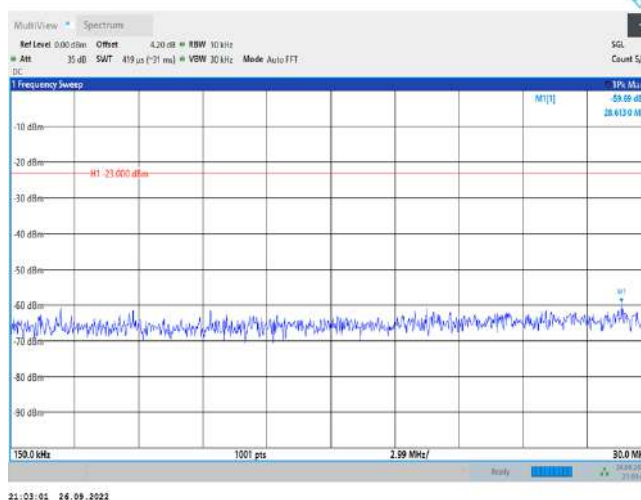
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Band2-20MHz-QPSK-19100-1RB#0-Range1:0.009~0.15MHz



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



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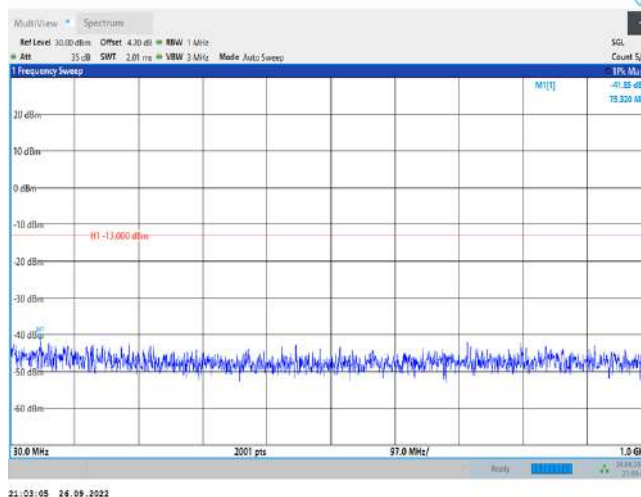
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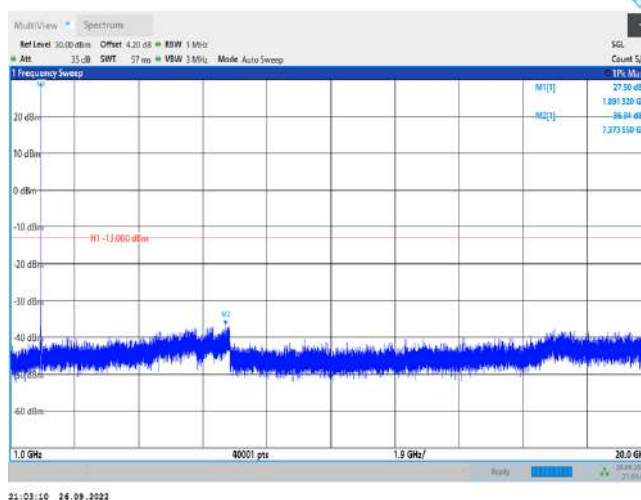
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Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE 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	3702.1800	56.00	-45.51	29.98	-54.79	-13.00	41.79	245	330	Horizontal
2	5553.2700	48.15	-45.15	32.97	-59.29	-13.00	46.29	162	343	Horizontal
3	7404.3600	45.10	-43.40	36.49	-57.07	-13.00	44.07	132	118	Horizontal
4	9255.4500	36.18	-40.23	38.38	-60.93	-13.00	47.93	195	313	Horizontal
5	11106.5400	30.01	-37.93	39.09	-64.09	-13.00	51.09	148	239	Horizontal
6	12957.6300	30.78	-37.24	39.79	-61.93	-13.00	48.93	175	194	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	54.11	-45.51	29.98	-56.68	-13.00	43.68	248	284	Vertical
2	5553.2700	48.53	-45.15	32.97	-58.91	-13.00	45.91	168	239	Vertical
3	7404.3600	46.72	-43.40	36.49	-55.45	-13.00	42.45	125	104	Vertical
4	9255.4500	36.09	-40.23	38.38	-61.02	-13.00	48.02	145	4	Vertical
5	11106.5400	30.88	-37.93	39.09	-63.22	-13.00	50.22	166	164	Vertical
6	12957.6300	30.40	-37.24	39.79	-62.31	-13.00	49.31	129	178	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	3742.1800	54.85	-45.68	30.12	-55.97	-13.00	42.97	152	313	Horizontal
2	5613.2700	47.31	-45.04	33.07	-59.92	-13.00	46.92	144	104	Horizontal
3	7484.3600	42.74	-43.18	36.45	-59.25	-13.00	46.25	132	239	Horizontal
4	9355.4500	37.05	-40.00	38.46	-59.76	-13.00	46.76	162	208	Horizontal
5	11226.5400	31.67	-37.40	39.11	-61.88	-13.00	48.88	135	165	Horizontal
6	13097.6300	29.21	-37.01	39.87	-63.18	-13.00	50.18	192	360	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	3742.1800	56.06	-45.68	30.12	-54.76	-13.00	41.76	222	343	Vertical
2	5613.2700	47.13	-45.04	33.07	-60.10	-13.00	47.10	254	164	Vertical
3	7484.3600	44.27	-43.18	36.45	-57.72	-13.00	44.72	153	59	Vertical
4	9355.4500	36.77	-40.00	38.46	-60.04	-13.00	47.04	126	14	Vertical
5	11226.5400	33.02	-37.40	39.11	-60.53	-13.00	47.53	150	180	Vertical
6	13097.6300	29.36	-37.01	39.87	-63.03	-13.00	50.03	198	313	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	3782.1800	54.78	-45.85	30.27	-56.06	-13.00	43.06	248	351	Horizontal
2	5673.2700	48.10	-44.91	33.29	-58.78	-13.00	45.78	165	268	Horizontal
3	7564.3600	44.25	-43.00	36.41	-57.61	-13.00	44.61	244	44	Horizontal
4	9455.4500	38.47	-40.05	38.48	-58.37	-13.00	45.37	123	360	Horizontal
5	11346.5400	32.21	-37.40	39.11	-61.34	-13.00	48.34	263	73	Horizontal
6	13237.6300	29.86	-37.08	39.96	-62.51	-13.00	49.51	219	16	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	3782.1800	57.17	-45.85	30.27	-53.67	-13.00	40.67	214	350	Vertical
2	5673.2700	49.00	-44.91	33.29	-57.88	-13.00	44.88	155	59	Vertical
3	7564.3600	45.88	-43.00	36.41	-55.98	-13.00	42.98	198	268	Vertical
4	9455.4500	39.42	-40.05	38.48	-57.42	-13.00	44.42	145	359	Vertical
5	11346.5400	33.43	-37.40	39.11	-60.12	-13.00	47.12	162	42	Vertical
6	13237.6300	28.85	-37.08	39.96	-63.52	-13.00	50.52	132	341	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	2.90	0.001543	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	7.80	0.004149	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	4.40	0.002340	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	5.70	0.003032	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	4.00	0.002128	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	12.60	0.006702	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	0.30	0.000160	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	7.80	0.004149	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	15.30	0.008138	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	7.30	0.003883	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-1.50	-0.000798	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-0.30	-0.000160	PASS

---End of Attachment---



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