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Appendix B.3

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	23.54	23.31	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.63	23.4	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.07	22.84	33	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.18	21.95	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.98	22.75	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.08	22.85	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23	22.77	33	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.09	21.86	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.99	22.76	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.08	22.85	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.99	22.76	33	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.1	21.87	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.76	22.53	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.47	22.24	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.26	22.03	33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.28	21.05	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.2	21.97	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.29	22.06	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.25	22.02	33	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.21	20.98	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.18	21.95	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.32	22.09	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.18	21.95	33	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.17	20.94	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	20.62	20.39	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#2	20.72	20.49	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#5	20.62	20.39	33	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	20.57	20.34	33	PASS



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Band2	1.4MHz	64QAM	18900	1RB#0	20.6	20.37	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#2	20.7	20.47	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#5	20.62	20.39	33	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	20.53	20.3	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	20.62	20.39	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#2	20.75	20.52	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#5	20.66	20.43	33	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	20.58	20.35	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.62	23.39	33	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.1	22.87	33	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.09	22.86	33	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.15	21.92	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.07	22.84	33	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.03	22.8	33	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.04	22.81	33	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.07	21.84	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.02	22.79	33	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.02	22.79	33	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.04	22.81	33	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.09	21.86	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.28	22.05	33	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.33	22.1	33	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.33	22.1	33	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.18	20.95	33	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.24	22.01	33	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.18	21.95	33	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.28	22.05	33	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.11	20.88	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.25	22.02	33	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.26	22.03	33	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.23	22	33	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.08	20.85	33	PASS
Band2	3MHz	64QAM	18615	1RB#0	20.7	20.47	33	PASS



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Band2	3MHz	64QAM	18615	1RB#8	20.7	20.47	33	PASS
Band2	3MHz	64QAM	18615	1RB#14	20.7	20.47	33	PASS
Band2	3MHz	64QAM	18615	15RB#0	20.53	20.3	33	PASS
Band2	3MHz	64QAM	18900	1RB#0	20.7	20.47	33	PASS
Band2	3MHz	64QAM	18900	1RB#8	20.68	20.45	33	PASS
Band2	3MHz	64QAM	18900	1RB#14	20.63	20.4	33	PASS
Band2	3MHz	64QAM	18900	15RB#0	20.49	20.26	33	PASS
Band2	3MHz	64QAM	19185	1RB#0	20.66	20.43	33	PASS
Band2	3MHz	64QAM	19185	1RB#8	20.68	20.45	33	PASS
Band2	3MHz	64QAM	19185	1RB#14	20.7	20.47	33	PASS
Band2	3MHz	64QAM	19185	15RB#0	20.54	20.31	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.54	23.31	33	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.22	22.99	33	PASS
Band2	5MHz	QPSK	18625	1RB#24	23	22.77	33	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.16	21.93	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.96	22.73	33	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.2	22.97	33	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.96	22.73	33	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.11	21.88	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.92	22.69	33	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.18	22.95	33	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.94	22.71	33	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.13	21.9	33	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.21	21.98	33	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.52	22.29	33	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.28	22.05	33	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.2	20.97	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.19	21.96	33	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.39	22.16	33	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.25	22.02	33	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.13	20.9	33	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.19	21.96	33	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.35	22.12	33	PASS



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Band2	5MHz	16QAM	19175	1RB#24	22.14	21.91	33	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.09	20.86	33	PASS
Band2	5MHz	64QAM	18625	1RB#0	20.58	20.35	33	PASS
Band2	5MHz	64QAM	18625	1RB#12	20.84	20.61	33	PASS
Band2	5MHz	64QAM	18625	1RB#24	20.58	20.35	33	PASS
Band2	5MHz	64QAM	18625	25RB#0	20.55	20.32	33	PASS
Band2	5MHz	64QAM	18900	1RB#0	20.59	20.36	33	PASS
Band2	5MHz	64QAM	18900	1RB#12	20.79	20.56	33	PASS
Band2	5MHz	64QAM	18900	1RB#24	20.36	20.13	33	PASS
Band2	5MHz	64QAM	18900	25RB#0	20.55	20.32	33	PASS
Band2	5MHz	64QAM	19175	1RB#0	20.56	20.33	33	PASS
Band2	5MHz	64QAM	19175	1RB#12	20.82	20.59	33	PASS
Band2	5MHz	64QAM	19175	1RB#24	20.63	20.4	33	PASS
Band2	5MHz	64QAM	19175	25RB#0	20.58	20.35	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.61	23.38	33	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.26	23.03	33	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.07	22.84	33	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.26	22.03	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.04	22.81	33	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.22	22.99	33	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.04	22.81	33	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.21	21.98	33	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.05	22.82	33	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.14	22.91	33	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.07	22.84	33	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.17	21.94	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.31	22.08	33	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.46	22.23	33	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.25	22.02	33	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.28	21.05	33	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.31	22.08	33	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.42	22.19	33	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.26	22.03	33	PASS



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Band2	10MHz	16QAM	18900	50RB#0	21.21	20.98	33	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.24	22.01	33	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.35	22.12	33	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.23	22	33	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.19	20.96	33	PASS
Band2	10MHz	64QAM	18650	1RB#0	20.67	20.44	33	PASS
Band2	10MHz	64QAM	18650	1RB#24	20.82	20.59	33	PASS
Band2	10MHz	64QAM	18650	1RB#49	20.62	20.39	33	PASS
Band2	10MHz	64QAM	18650	50RB#0	20.61	20.38	33	PASS
Band2	10MHz	64QAM	18900	1RB#0	20.68	20.45	33	PASS
Band2	10MHz	64QAM	18900	1RB#24	20.82	20.59	33	PASS
Band2	10MHz	64QAM	18900	1RB#49	20.69	20.46	33	PASS
Band2	10MHz	64QAM	18900	50RB#0	20.59	20.36	33	PASS
Band2	10MHz	64QAM	19150	1RB#0	20.7	20.47	33	PASS
Band2	10MHz	64QAM	19150	1RB#24	20.79	20.56	33	PASS
Band2	10MHz	64QAM	19150	1RB#49	20.69	20.46	33	PASS
Band2	10MHz	64QAM	19150	50RB#0	20.57	20.34	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.53	23.3	33	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.13	22.9	33	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.99	22.76	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.22	21.99	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.96	22.73	33	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.12	22.89	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.02	22.79	33	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.21	21.98	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	22.95	22.72	33	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.1	22.87	33	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.99	22.76	33	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.1	21.87	33	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.29	22.06	33	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.45	22.22	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.31	22.08	33	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.23	21	33	PASS



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Band2	15MHz	16QAM	18900	1RB#0	22.11	21.88	33	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.38	22.15	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.2	21.97	33	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.23	21	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.2	21.97	33	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.24	22.01	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.14	21.91	33	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.14	20.91	33	PASS
Band2	15MHz	64QAM	18675	1RB#0	20.58	20.35	33	PASS
Band2	15MHz	64QAM	18675	1RB#38	20.7	20.47	33	PASS
Band2	15MHz	64QAM	18675	1RB#74	20.56	20.33	33	PASS
Band2	15MHz	64QAM	18675	75RB#0	20.58	20.35	33	PASS
Band2	15MHz	64QAM	18900	1RB#0	20.55	20.32	33	PASS
Band2	15MHz	64QAM	18900	1RB#38	20.74	20.51	33	PASS
Band2	15MHz	64QAM	18900	1RB#74	20.54	20.31	33	PASS
Band2	15MHz	64QAM	18900	75RB#0	20.57	20.34	33	PASS
Band2	15MHz	64QAM	19125	1RB#0	20.6	20.37	33	PASS
Band2	15MHz	64QAM	19125	1RB#38	20.71	20.48	33	PASS
Band2	15MHz	64QAM	19125	1RB#74	20.64	20.41	33	PASS
Band2	15MHz	64QAM	19125	75RB#0	20.53	20.3	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.36	23.13	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.24	23.01	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	20.63	20.4	33	PASS
Band2	20MHz	QPSK	18700	100RB#0	20.22	19.99	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.74	22.51	33	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.22	22.99	33	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.85	22.62	33	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.16	21.93	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.81	22.58	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.2	22.97	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.84	22.61	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	22	21.77	33	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.04	21.81	33	PASS



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Band2	20MHz	16QAM	18700	1RB#49	20.41	20.18	33	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.08	21.85	33	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.22	20.99	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.94	21.71	33	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.48	22.25	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.1	21.87	33	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.18	20.95	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	21.95	21.72	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.37	22.14	33	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.11	21.88	33	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.02	20.79	33	PASS
Band2	20MHz	64QAM	18700	1RB#0	20.41	20.18	33	PASS
Band2	20MHz	64QAM	18700	1RB#49	20.74	20.51	33	PASS
Band2	20MHz	64QAM	18700	1RB#99	20.4	20.17	33	PASS
Band2	20MHz	64QAM	18700	100RB#0	20.56	20.33	33	PASS
Band2	20MHz	64QAM	18900	1RB#0	20.32	20.09	33	PASS
Band2	20MHz	64QAM	18900	1RB#49	20.79	20.56	33	PASS
Band2	20MHz	64QAM	18900	1RB#99	20.49	20.26	33	PASS
Band2	20MHz	64QAM	18900	100RB#0	20.56	20.33	33	PASS
Band2	20MHz	64QAM	19100	1RB#0	20.41	20.18	33	PASS
Band2	20MHz	64QAM	19100	1RB#49	20.8	20.57	33	PASS
Band2	20MHz	64QAM	19100	1RB#99	20.32	20.09	33	PASS
Band2	20MHz	64QAM	19100	100RB#0	20.47	20.24	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	5.30	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.18	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.28	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.06	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.98	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.06	13	PASS
Band2	20MHz	64QAM	18700	100RB#0	6.40	13	PASS
Band2	20MHz	64QAM	18900	100RB#0	6.30	13	PASS
Band2	20MHz	64QAM	19100	100RB#0	6.22	13	PASS



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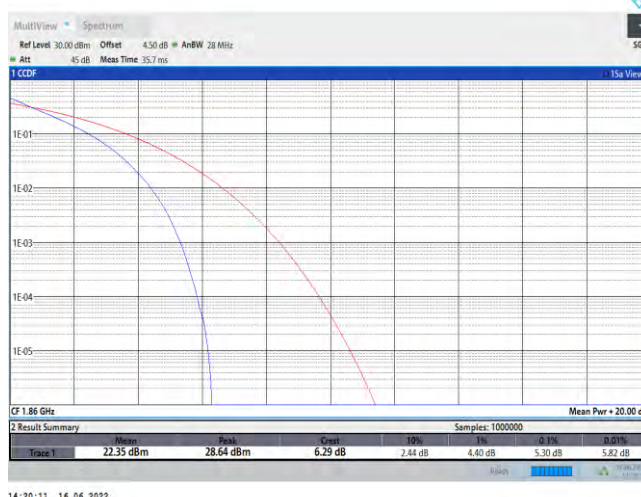
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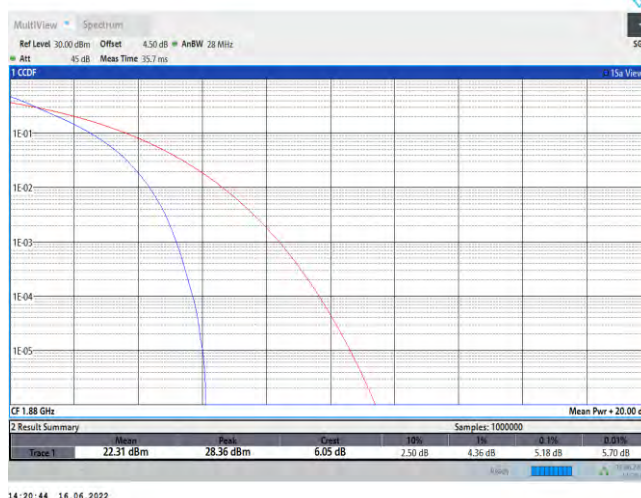
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Test Graphs

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



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



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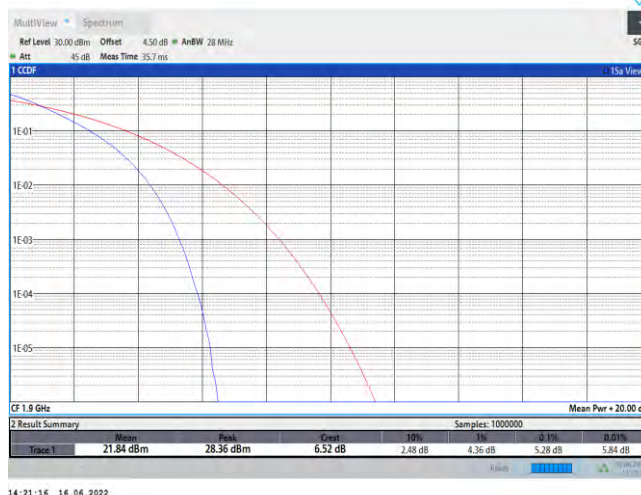
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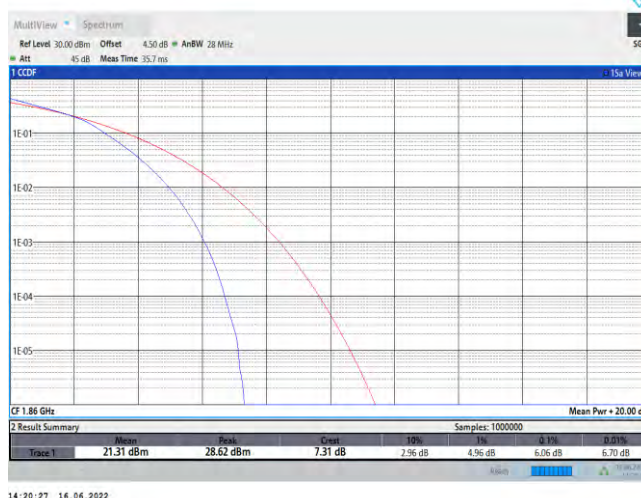
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Band2-20MHz-QPSK-19100-100RB#0



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



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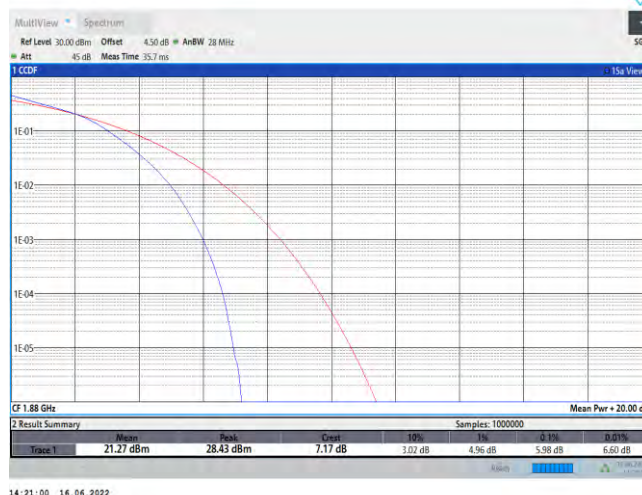
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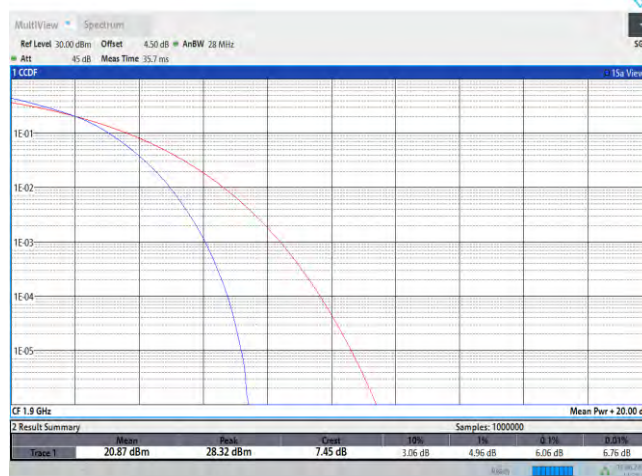
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Band2-20MHz-16QAM-18900-100RB#0



14:21:00 16.06.2022

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



14:21:33 16.06.2022



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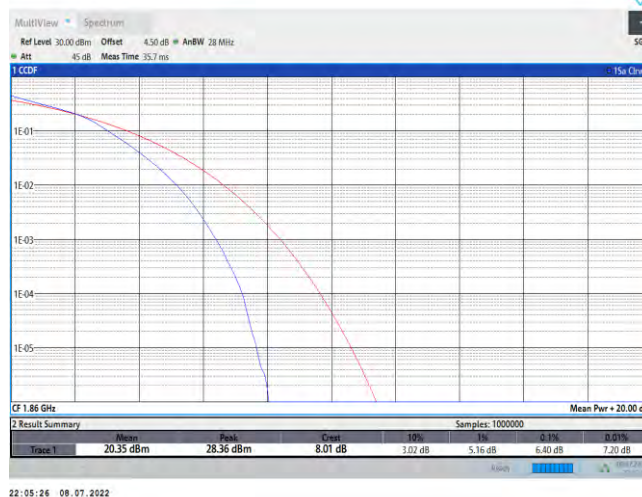
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Band2-20MHz-64QAM-18900-100RB#0



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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
Band2	20MHz	64QAM	18900	100RB#0	PASS	PASS



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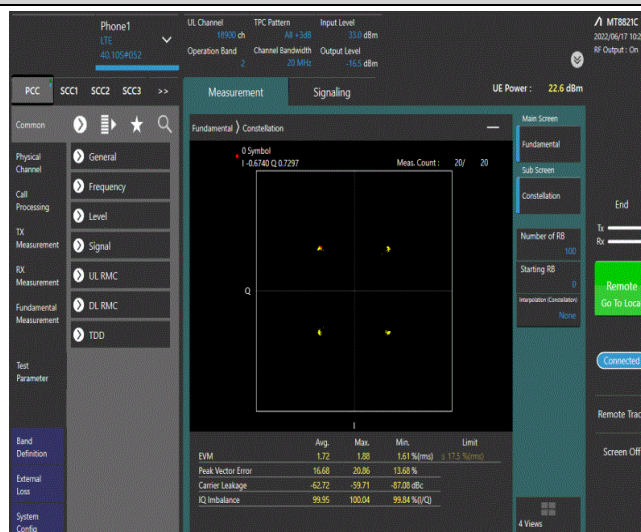
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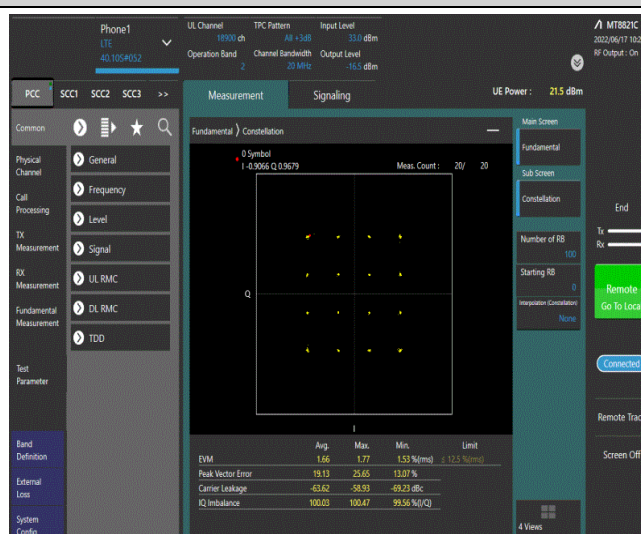
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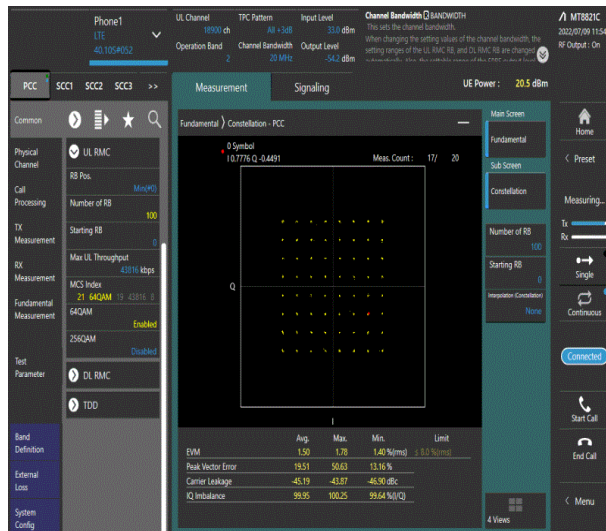
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Band2-20MHz-64QAM-18900-100RB#0



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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	1.28	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.085	1.28	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.085	1.28	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.097	1.31	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.096	1.31	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.097	1.31	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	1.092	1.30	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	1.091	1.30	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	1.092	1.30	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.688	2.91	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.684	2.90	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.683	2.90	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.677	2.91	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.676	2.90	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.679	2.91	PASS
Band2	3MHz	64QAM	18615	15RB#0	2.682	2.90	PASS
Band2	3MHz	64QAM	18900	15RB#0	2.686	2.92	PASS
Band2	3MHz	64QAM	19185	15RB#0	2.685	2.90	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.475	5.03	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.475	5.03	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.472	5.04	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.475	5.06	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.476	5.07	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.469	5.06	PASS
Band2	5MHz	64QAM	18625	25RB#0	4.474	5.00	PASS
Band2	5MHz	64QAM	18900	25RB#0	4.475	5.01	PASS
Band2	5MHz	64QAM	19175	25RB#0	4.473	4.98	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.953	9.82	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.949	9.88	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.952	10.22	PASS



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Band2	10MHz	16QAM	18650	50RB#0	8.929	9.88	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.932	9.74	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.919	9.80	PASS
Band2	10MHz	64QAM	18650	50RB#0	8.946	9.90	PASS
Band2	10MHz	64QAM	18900	50RB#0	8.943	9.86	PASS
Band2	10MHz	64QAM	19150	50RB#0	8.928	9.84	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.492	15.09	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.504	15.06	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.455	15.06	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.505	15.21	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.499	15.21	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.448	15.00	PASS
Band2	15MHz	64QAM	18675	75RB#0	13.511	15.15	PASS
Band2	15MHz	64QAM	18900	75RB#0	13.494	15.09	PASS
Band2	15MHz	64QAM	19125	75RB#0	13.452	15.09	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.967	19.76	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.955	19.76	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.903	19.52	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.959	19.72	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.919	19.64	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.858	19.40	PASS
Band2	20MHz	64QAM	18700	100RB#0	17.921	19.64	PASS
Band2	20MHz	64QAM	18900	100RB#0	17.889	19.68	PASS
Band2	20MHz	64QAM	19100	100RB#0	17.874	19.48	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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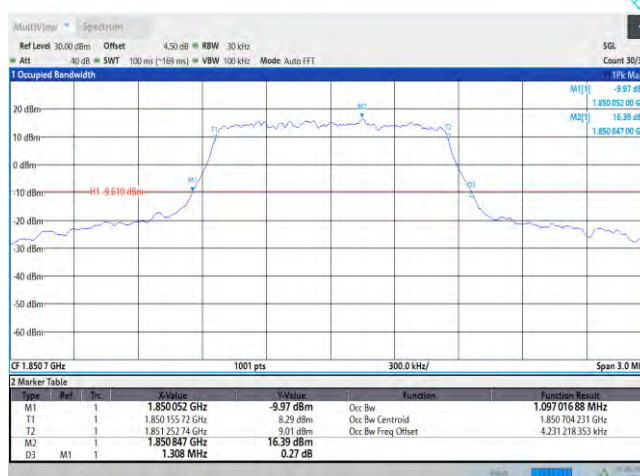
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Band2-1.4MHz-QPSK-19193-6RB#0



13:49:46 16.06.2022

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



13:48:55 16.06.2022



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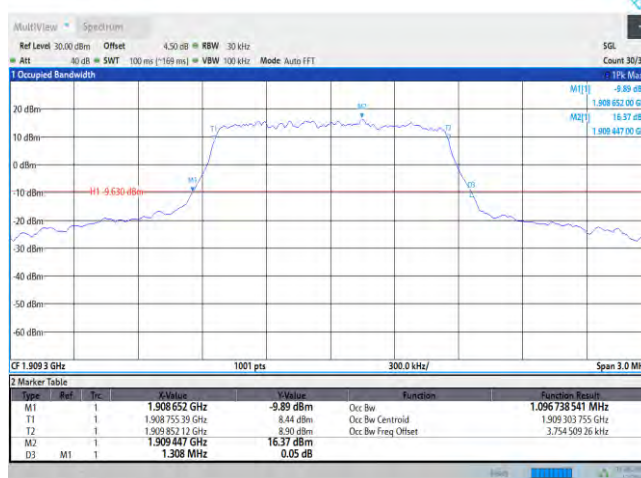
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13:49:29 16.06.2022

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



13:50:03 16.06.2022



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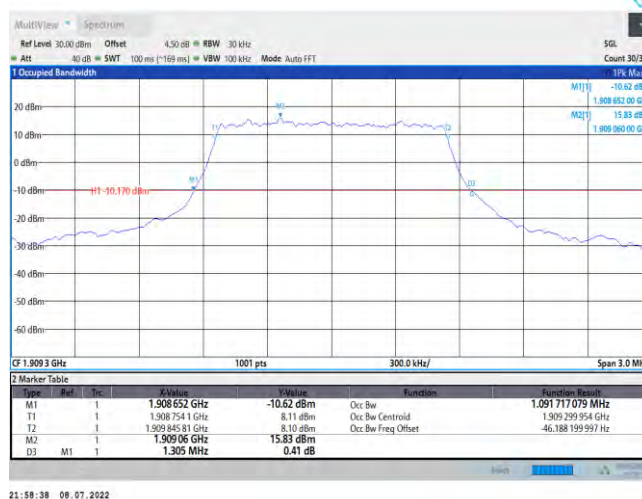
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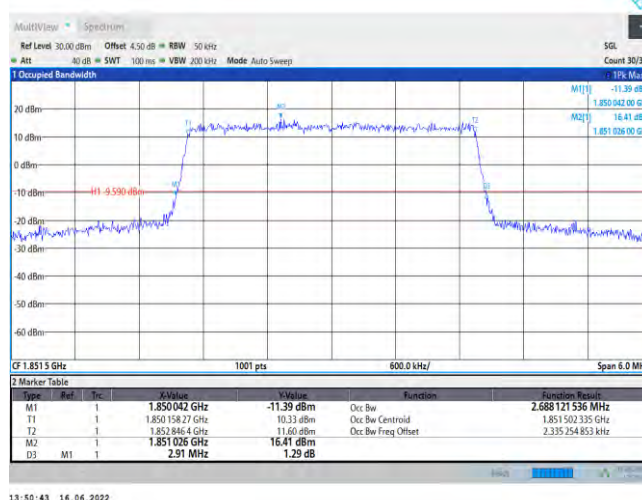
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Band2-1.4MHz-64QAM-19193-6RB#0



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



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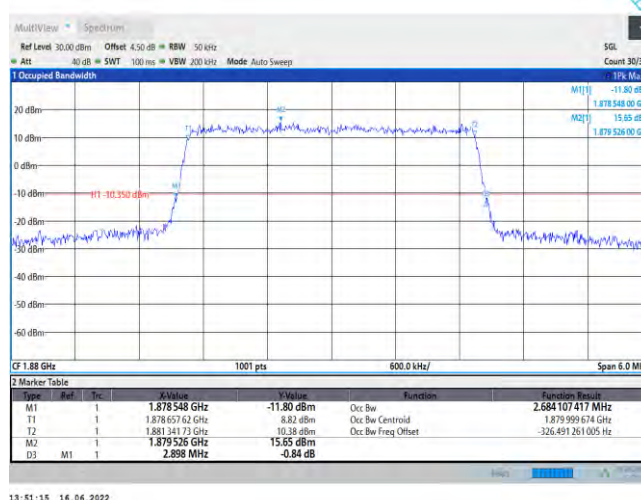
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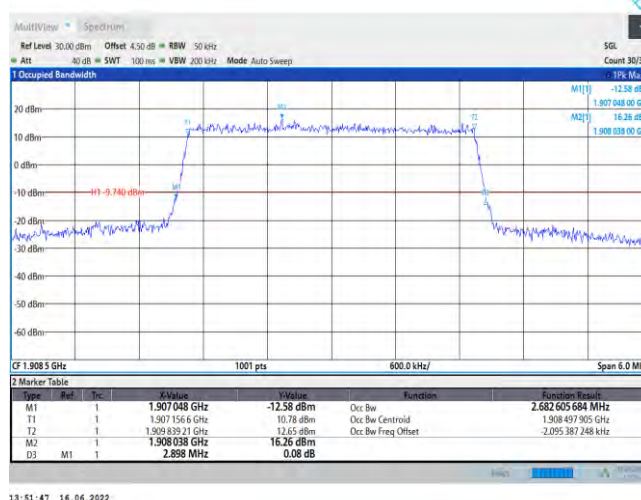
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Band2-3MHz-QPSK-18900-15RB#0



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



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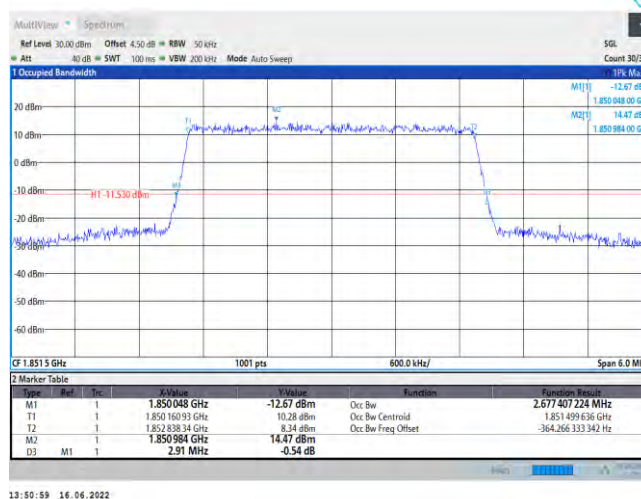
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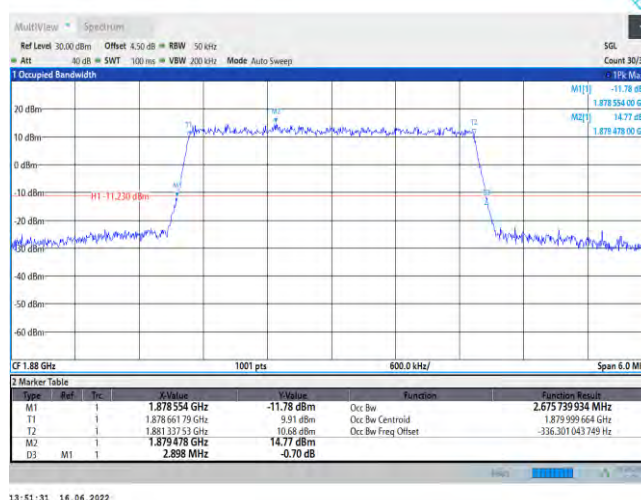
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Band2-3MHz-16QAM-18615-15RB#0



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



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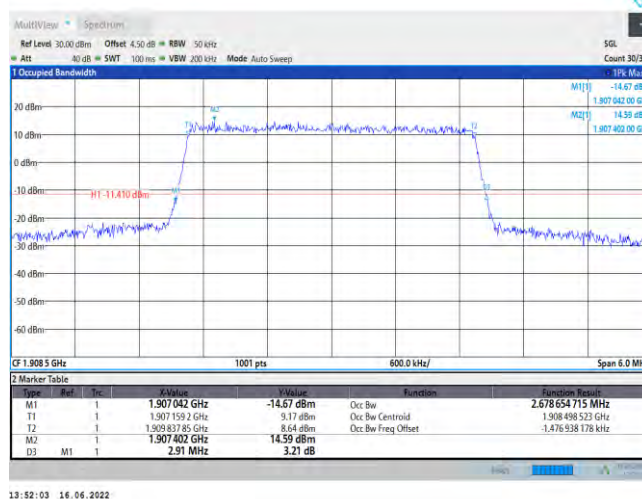
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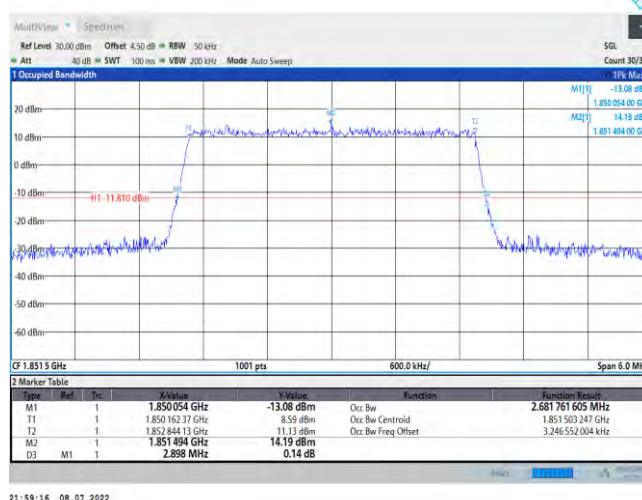
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Band2-3MHz-64QAM-18615-15RB#0



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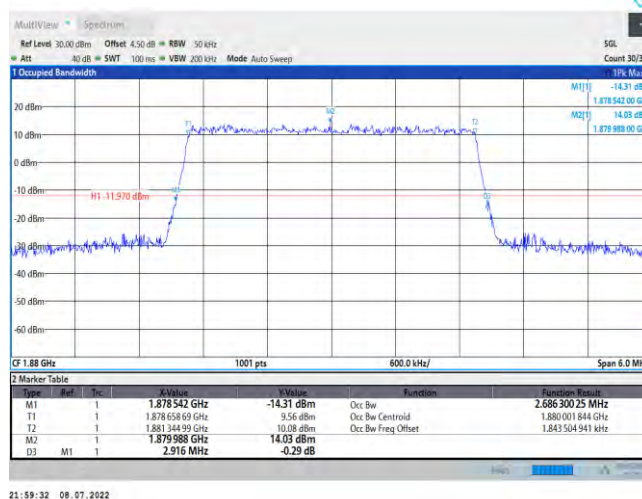
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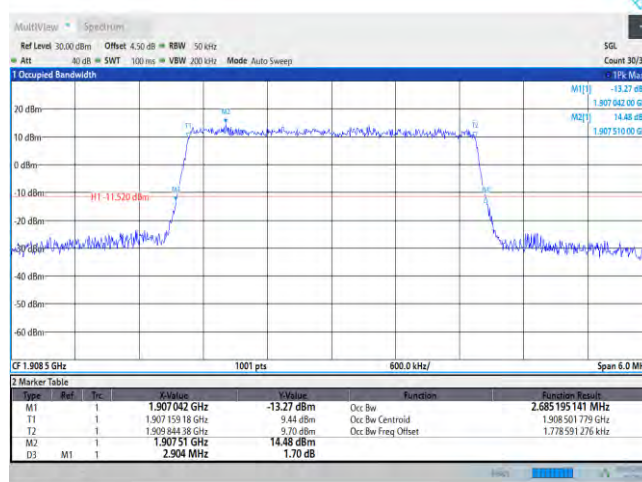
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21:59:32 08.07.2022

Band2-3MHz-64QAM-19185-15RB#0



21:59:48 08.07.2022



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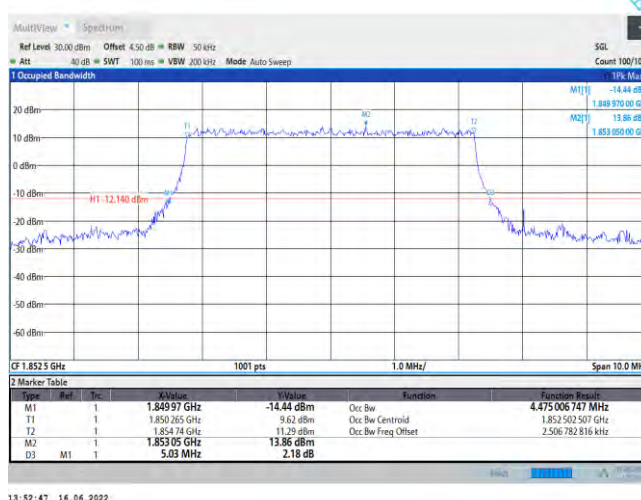
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13:52:47 16.06.2022

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



13:53:34 16.06.2022



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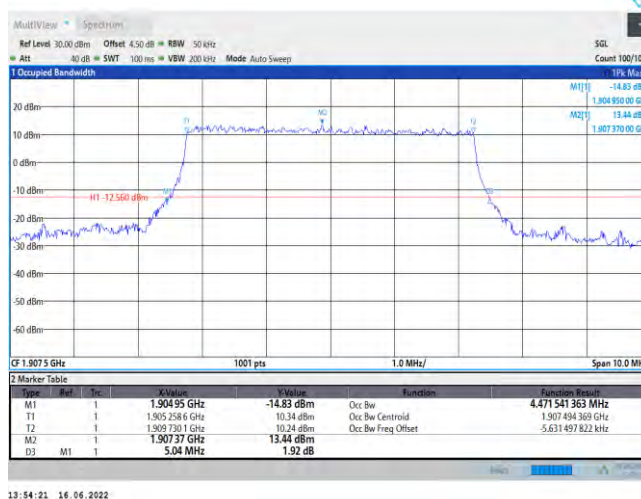
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Band2-5MHz-16QAM-18625-25RB#0



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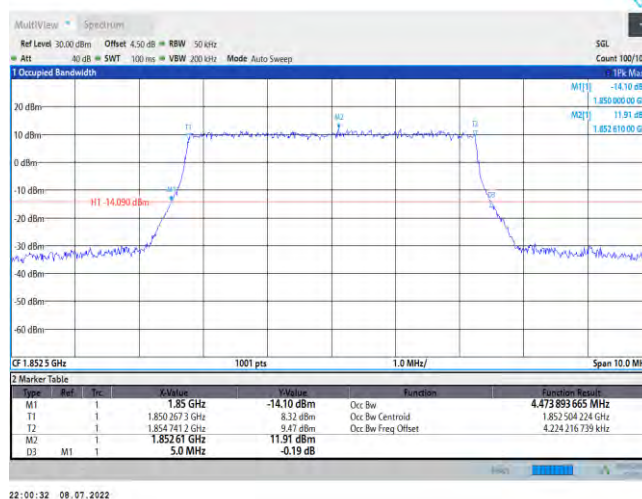
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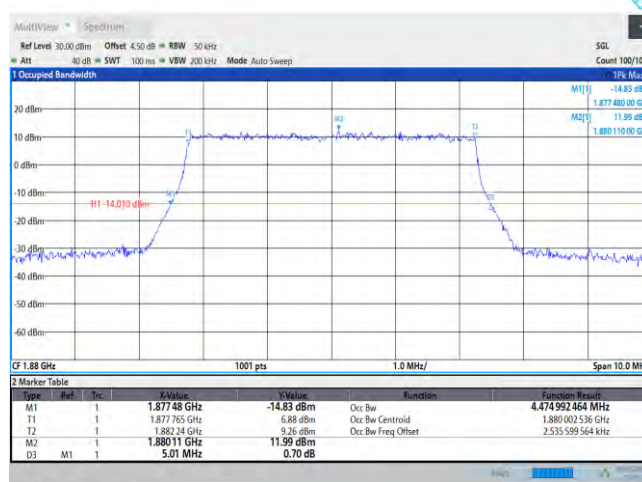
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22:00:32 08.07.2022

Band2-5MHz-64QAM-18900-25RB#0



22:00:56 08.07.2022



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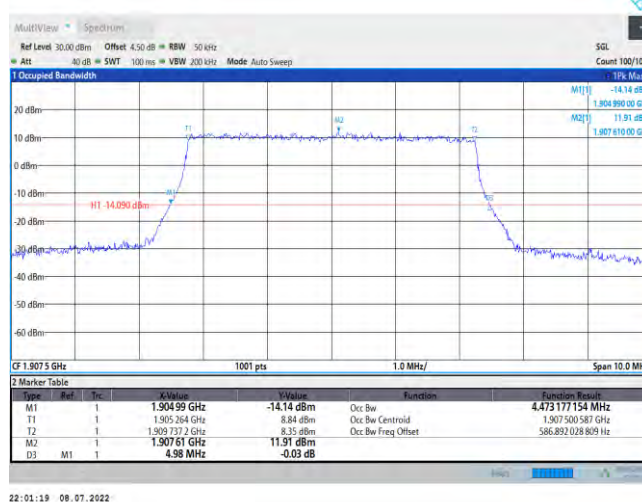
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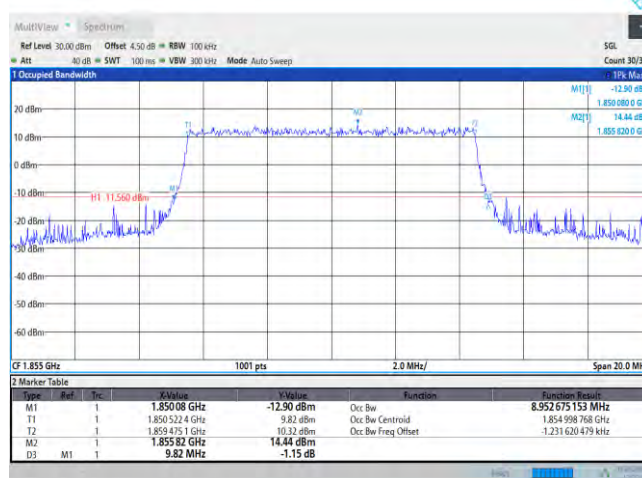
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22:01:19 09.07.2022

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13:55:21 16.06.2022



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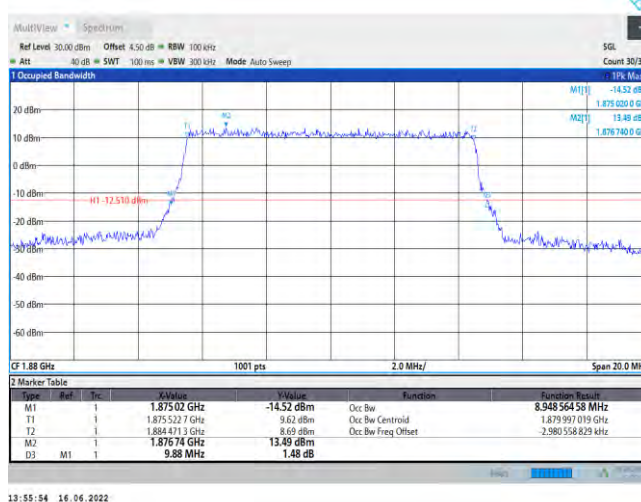
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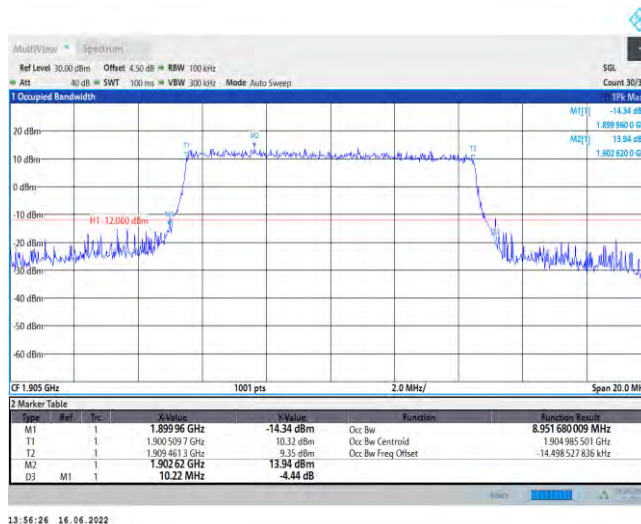
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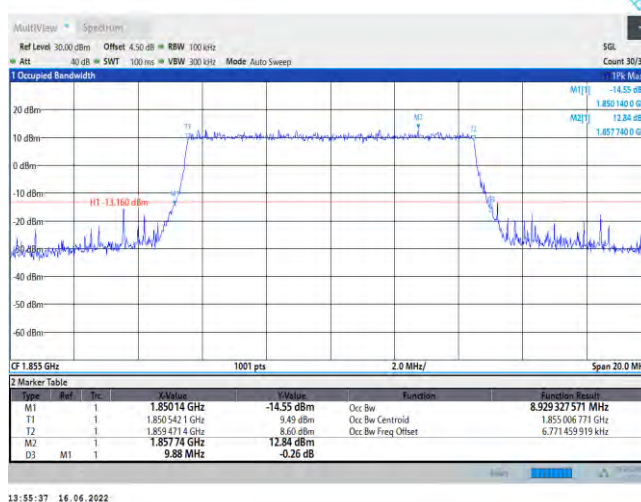
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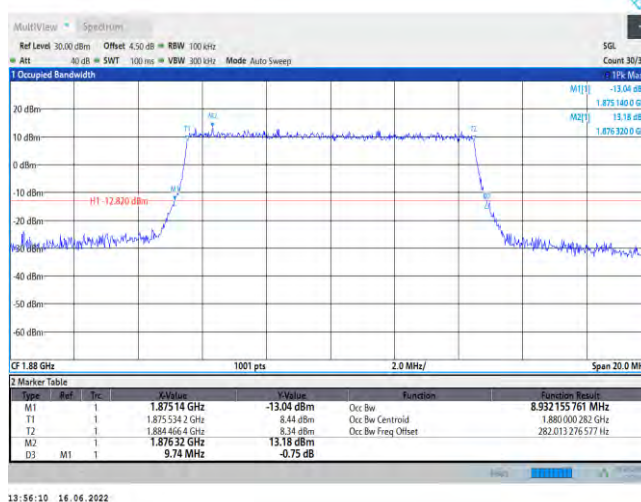
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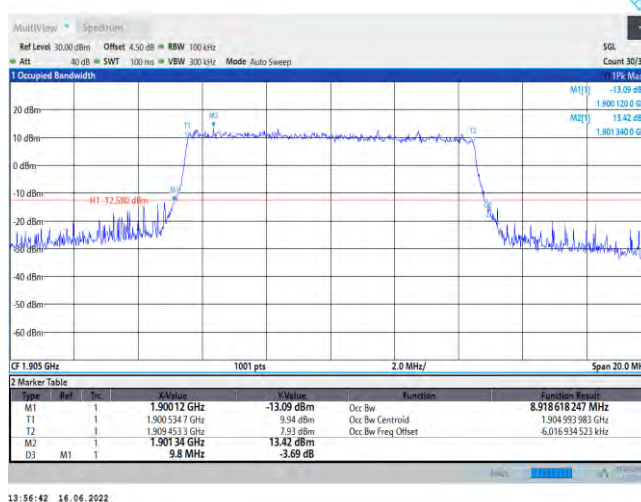
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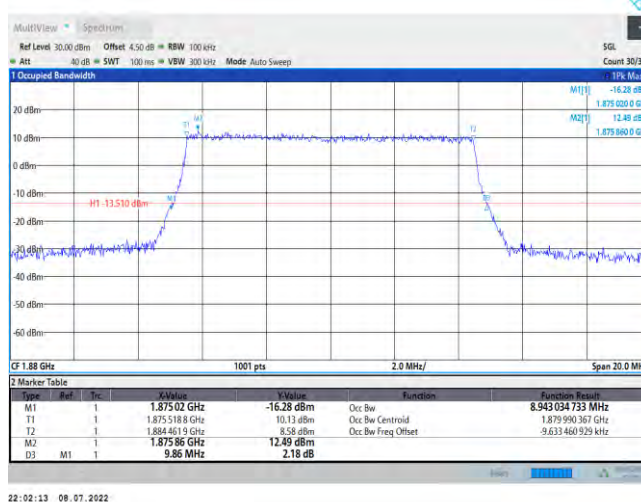
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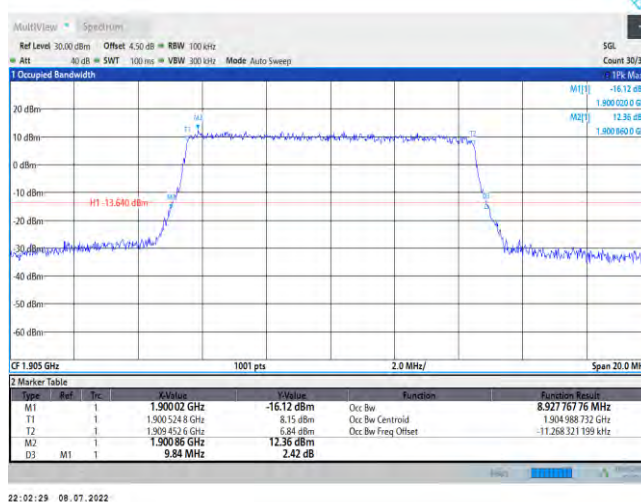
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13:57:27 16.06.2022

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



13:58:00 16.06.2022



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



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



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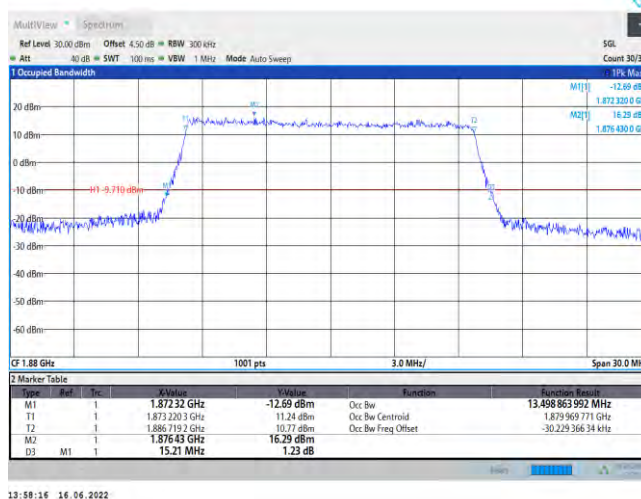
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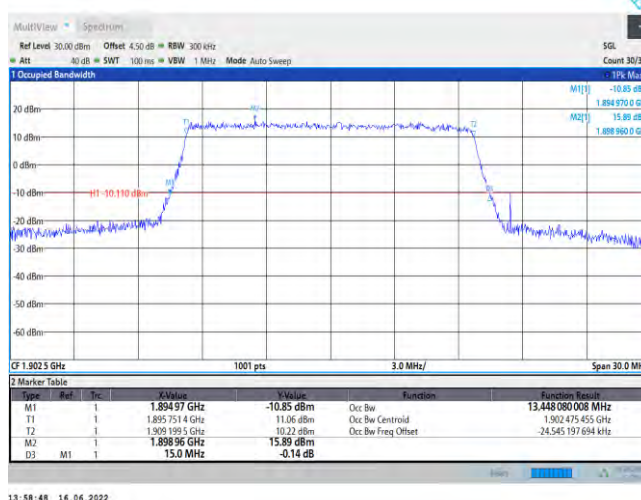
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Band2-15MHz-16QAM-18900-75RB#0



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



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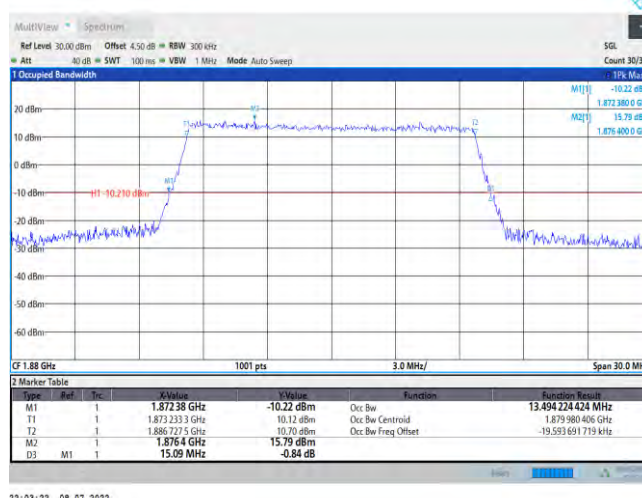
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Band2-15MHz-64QAM-18675-75RB#0



22:03:06 08.07.2022

Band2-15MHz-64QAM-18900-75RB#0



22:03:22 08.07.2022



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22:03:39 09.07.2022

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13:59:41 16.06.2022



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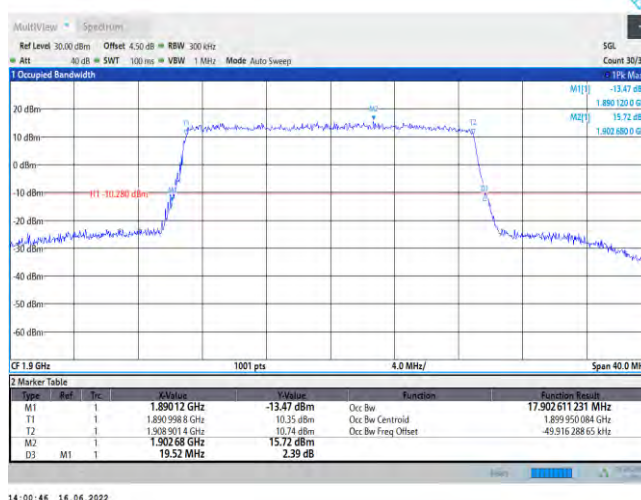
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14:00:14 16.06.2022

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



14:00:46 16.06.2022



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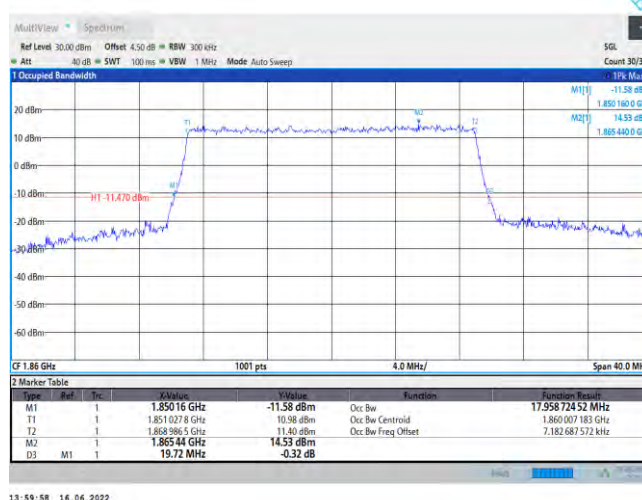
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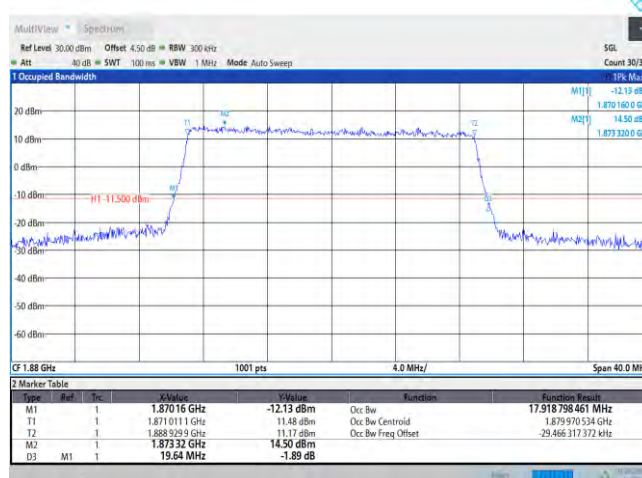
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13:59:58 16.06.2022

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



14:00:30 16.06.2022



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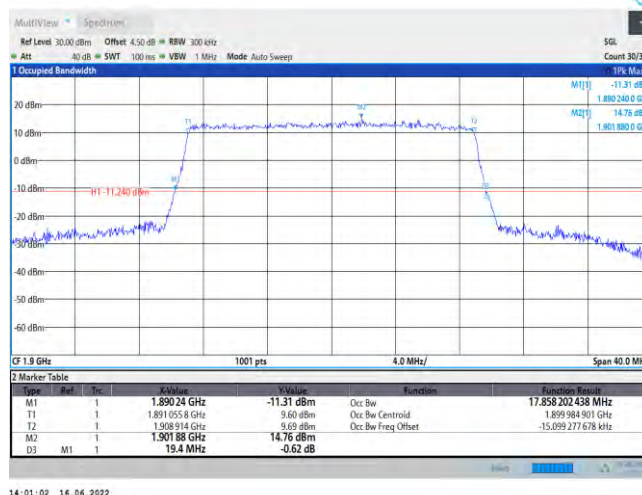
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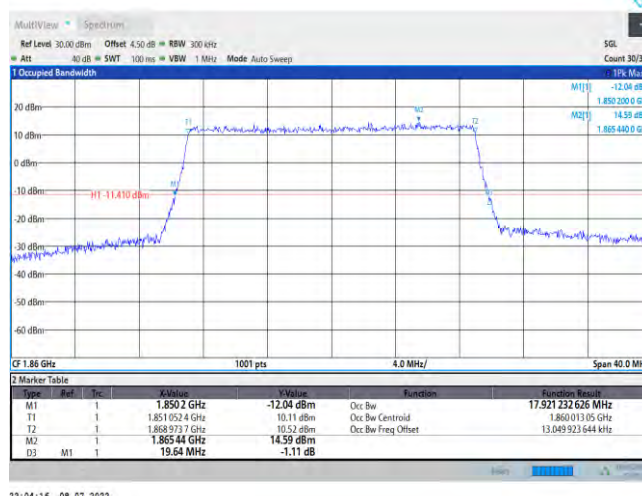
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Band2-20MHz-16QAM-19100-100RB#0



14:01:02 16.06.2022

Band2-20MHz-64QAM-18700-100RB#0



22:04:16 08.07.2022



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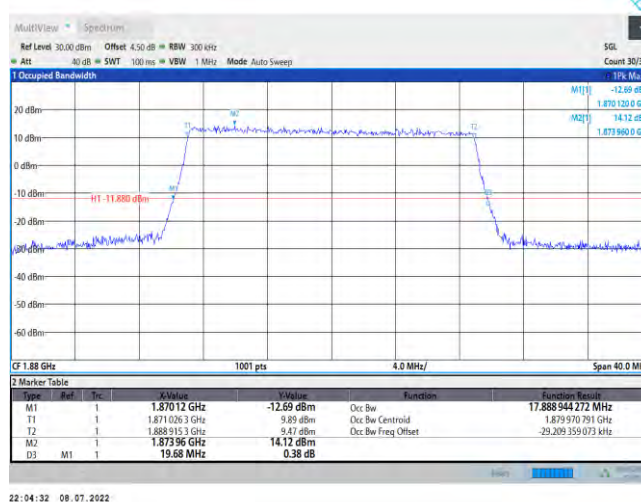
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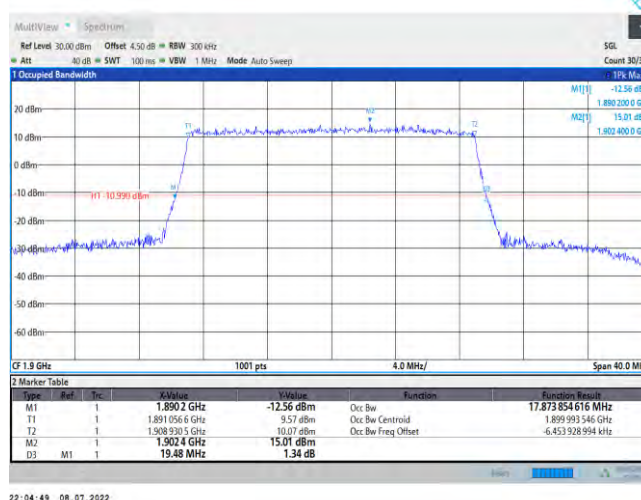
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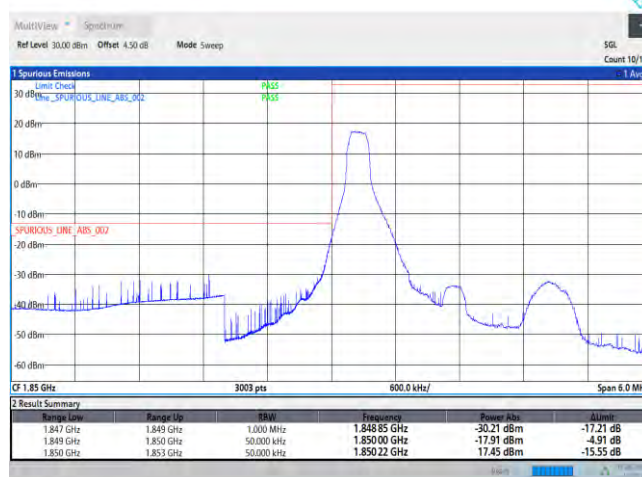
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Band Edge

Test Graphs

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



14:02:12 16.06.2022

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



14:02:48 16.06.2022



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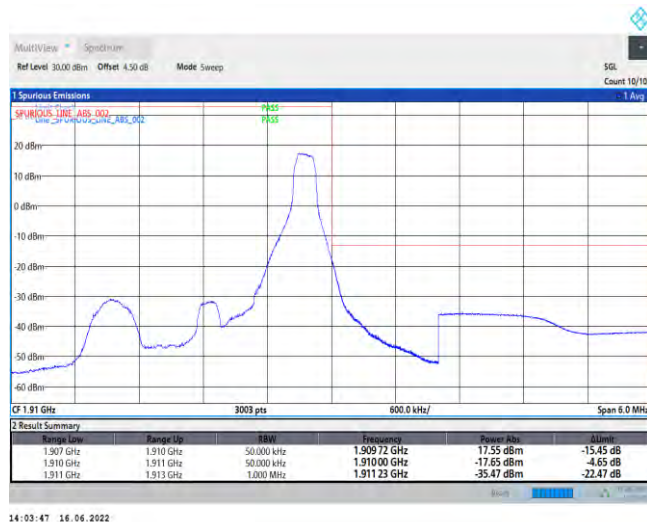
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Band2-1.4MHz-QPSK-19193-6RB#0



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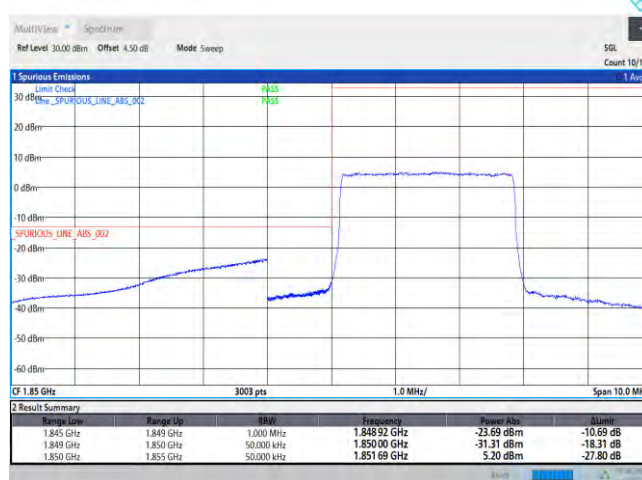
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Band2-3MHz-QPSK-18615-1RB#0



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



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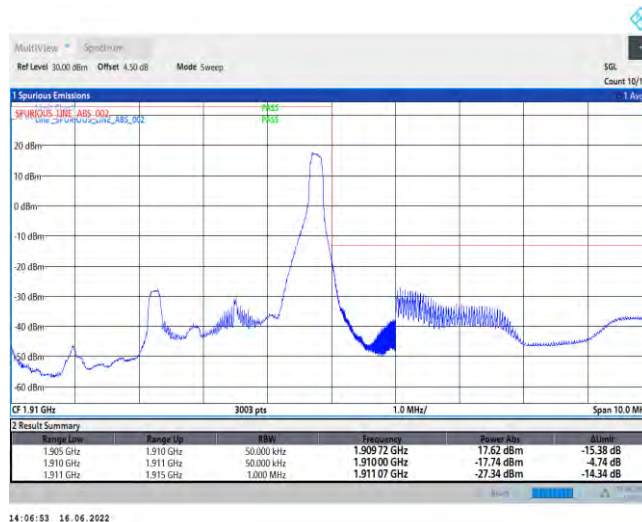
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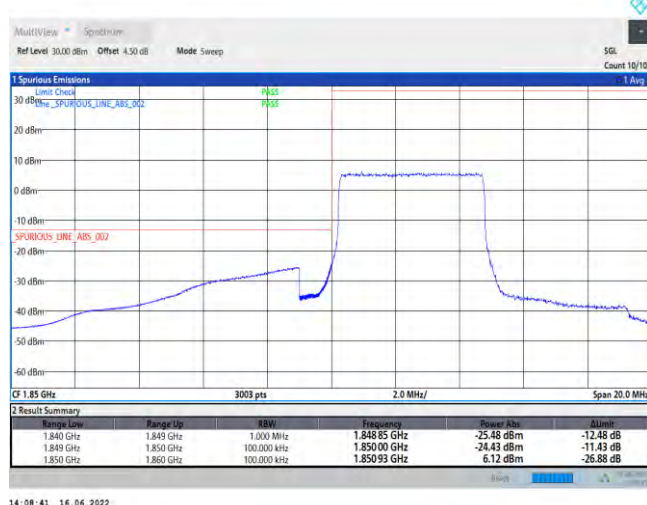
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Band2-5MHz-QPSK-18625-1RB#0



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



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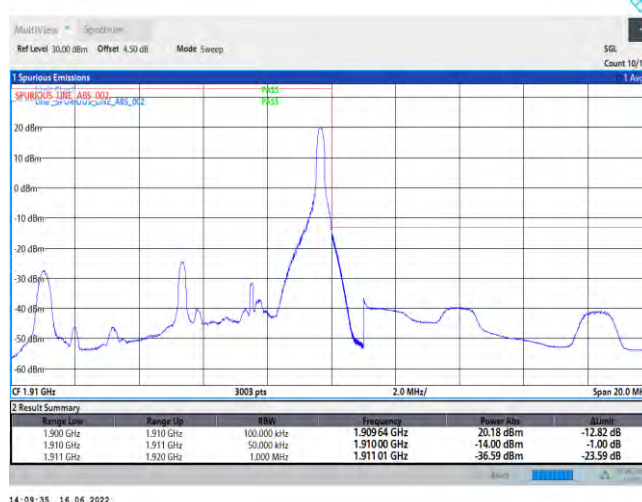
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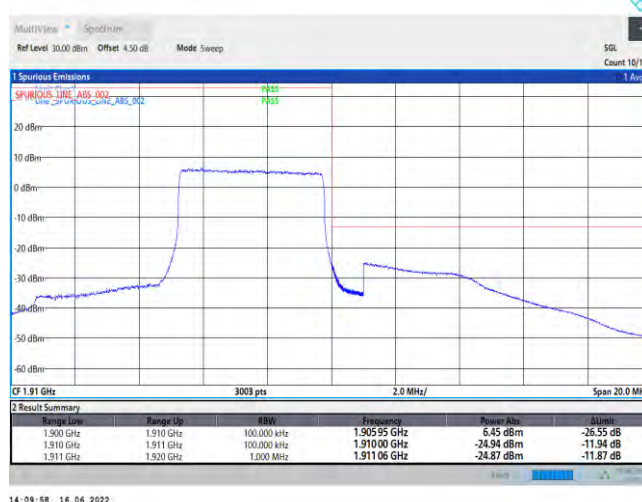
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Band2-5MHz-QPSK-19175-1RB#24



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



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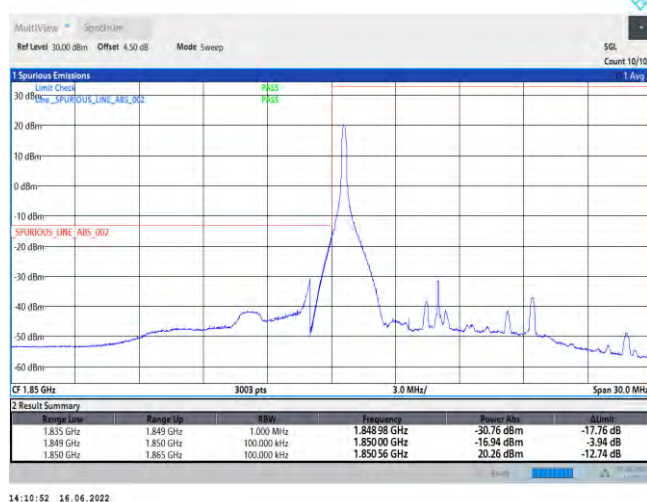
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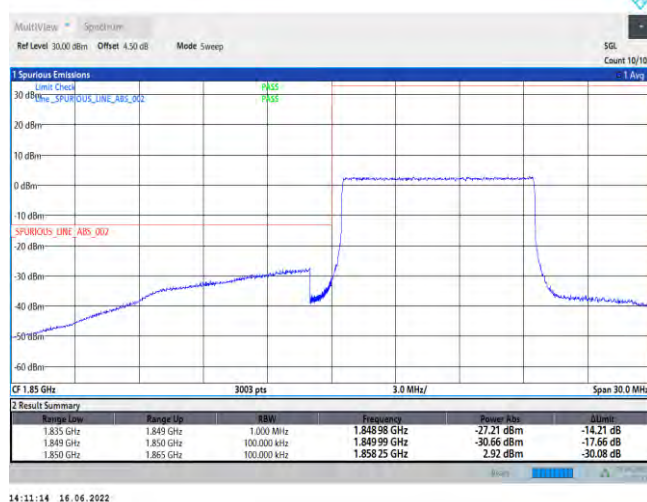
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Band2-10MHz-QPSK-18650-1RB#0



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



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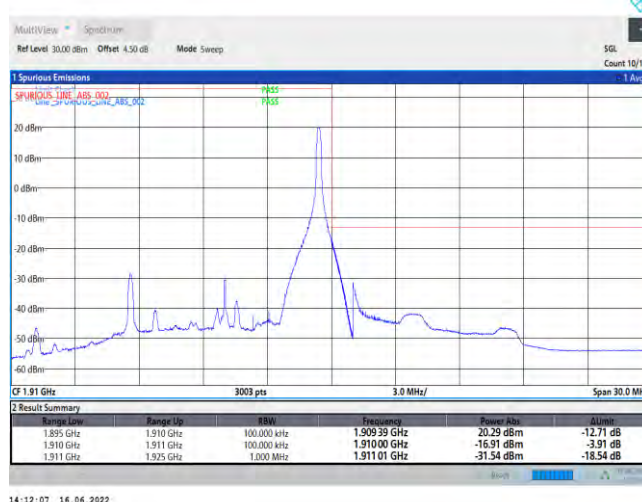
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Band2-10MHz-QPSK-19150-1RB#49



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



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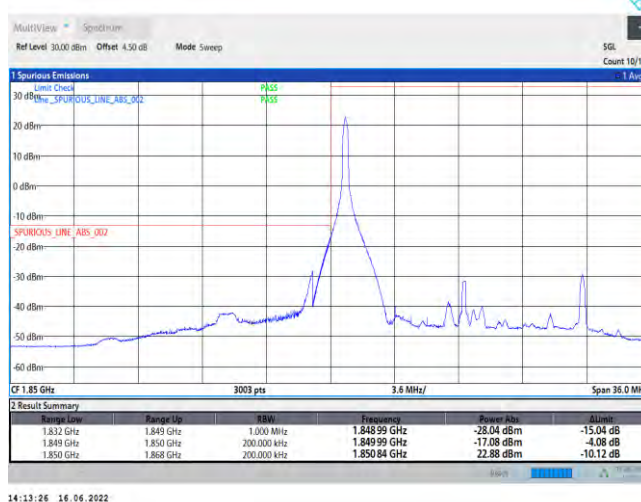
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Band2-15MHz-QPSK-18675-1RB#0



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



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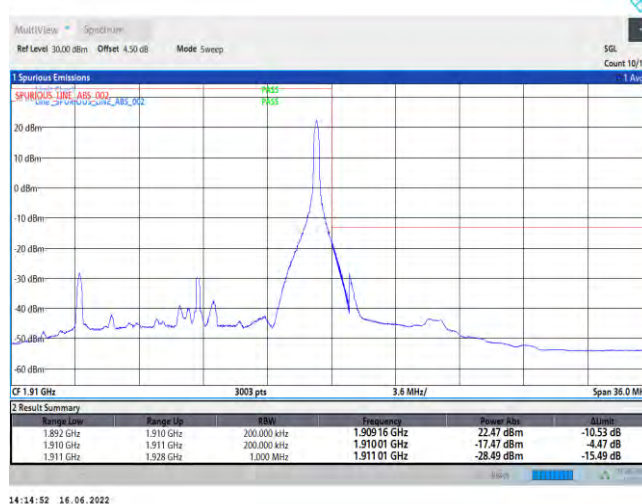
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Band2-15MHz-QPSK-19125-1RB#74



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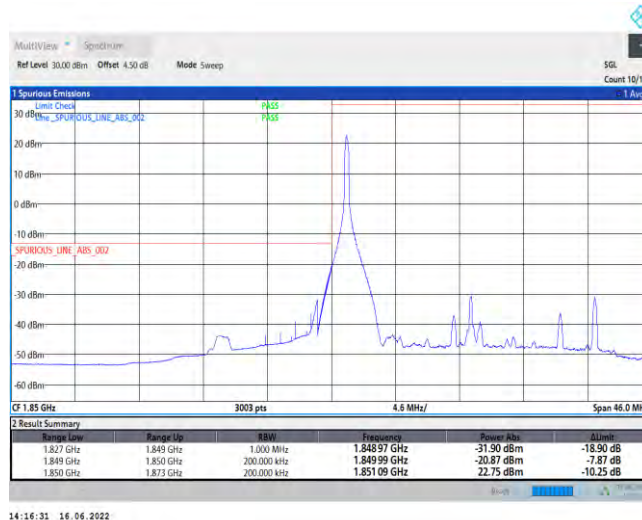
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Band2-20MHz-QPSK-18700-1RB#0



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



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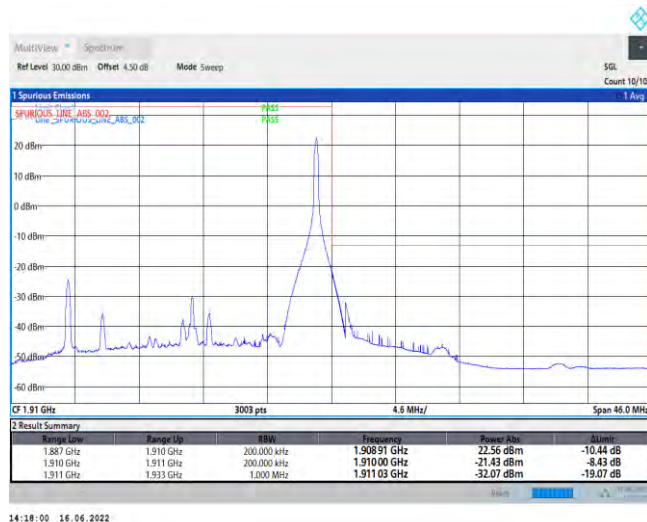
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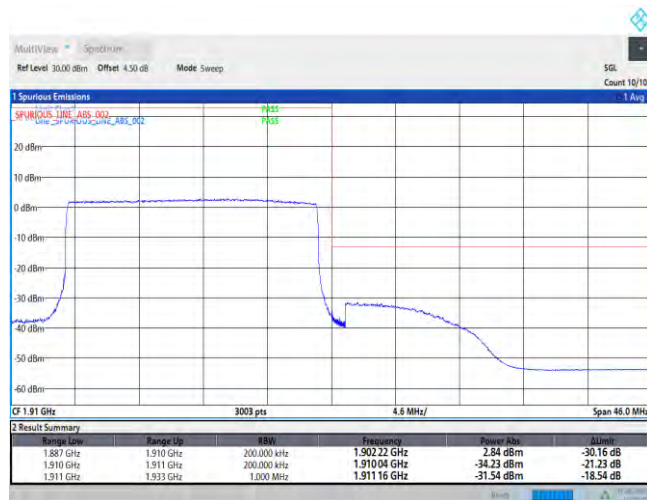
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Band2-20MHz-QPSK-19100-1RB#99



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



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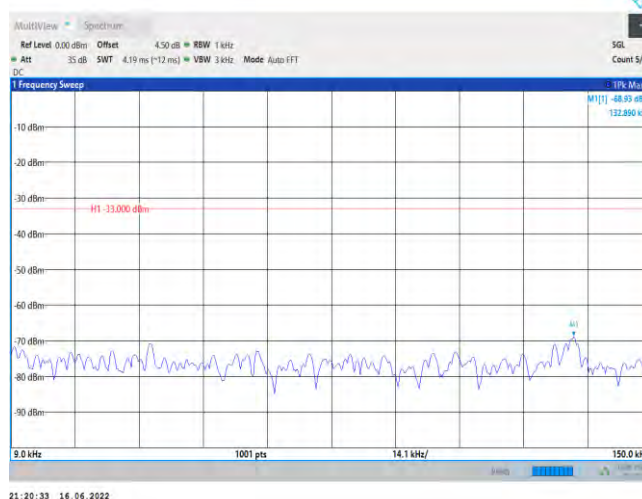
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Conducted Spurious Emission

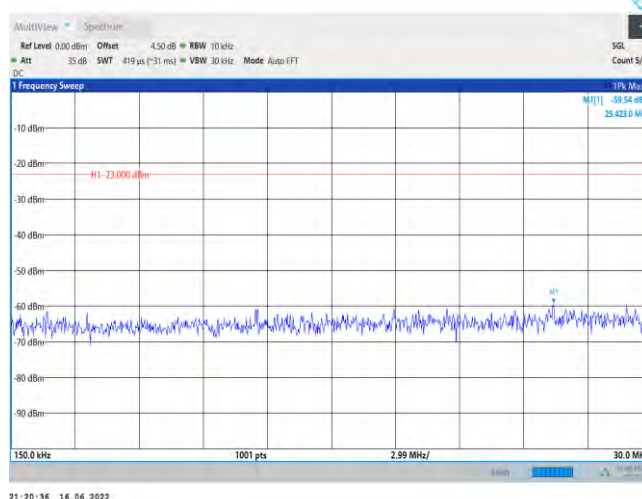
Test Graphs

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



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



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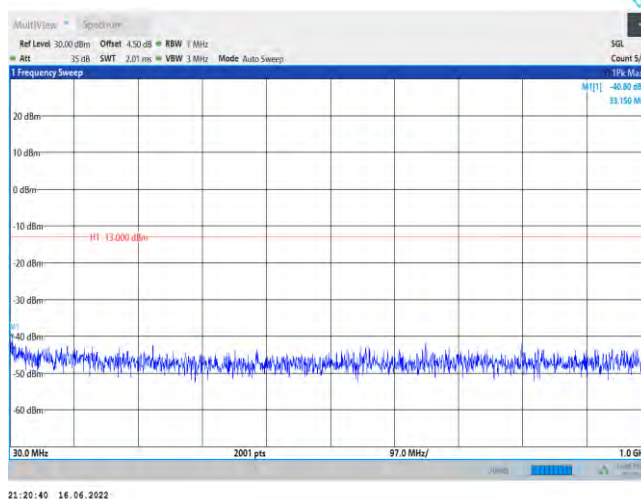
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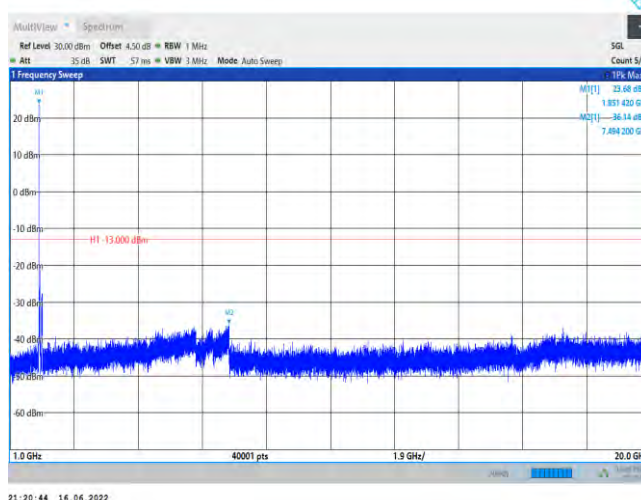
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Band2-20MHz-QPSK-18700-1RB#0-Range3:30~1000MHz



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



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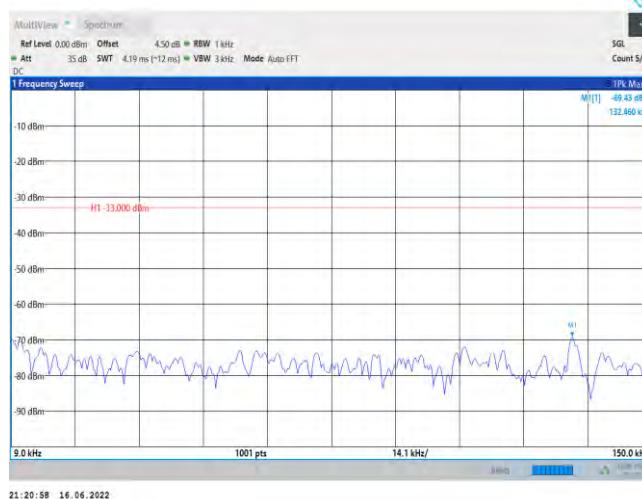
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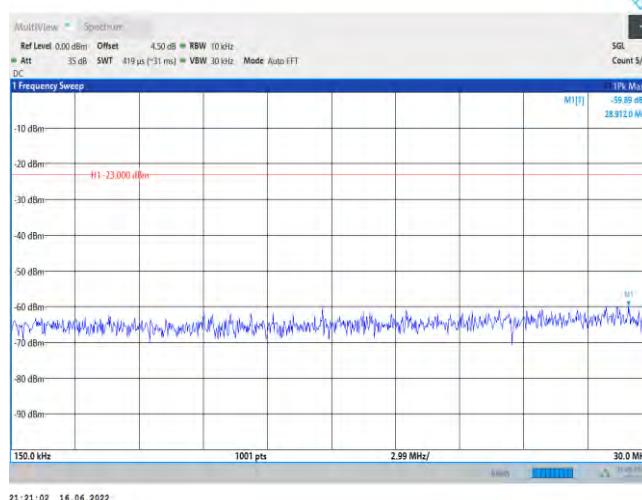
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Band2-20MHz-QPSK-18900-1RB#0-Range1:0.009~0.15MHz



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



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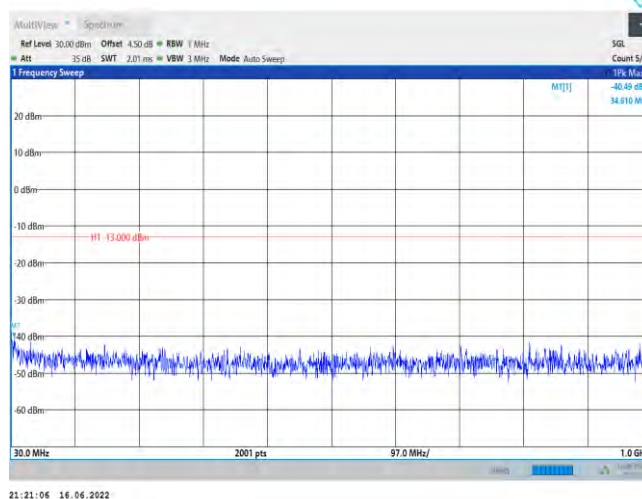
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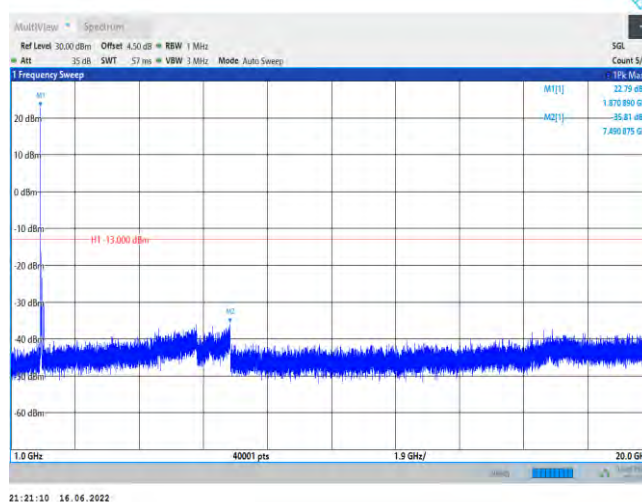
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Band2-20MHz-QPSK-18900-1RB#0-Range3:30~1000MHz



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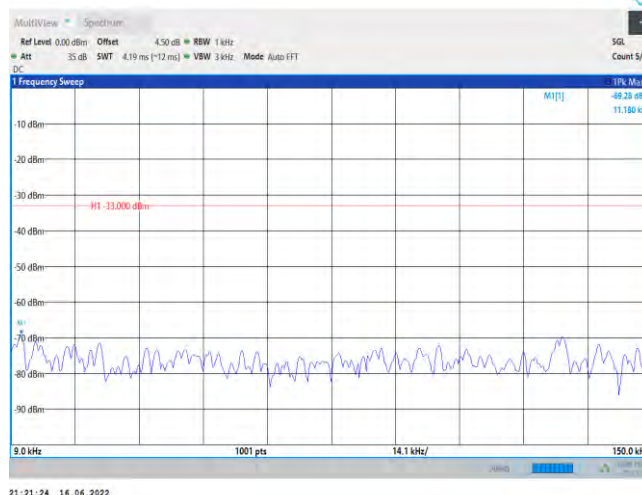
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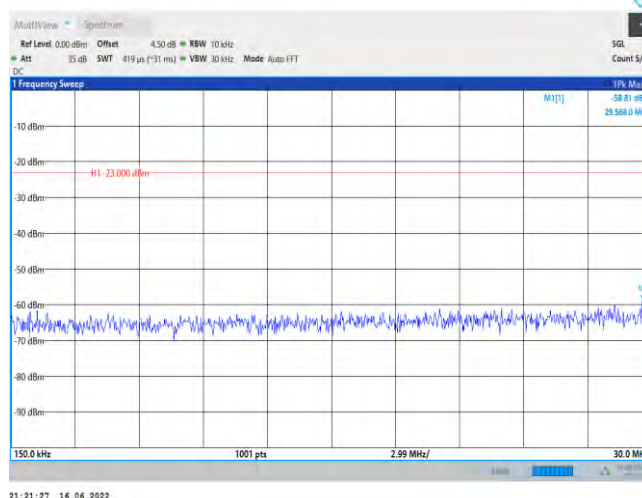
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Band2-20MHz-QPSK-19100-1RB#0-Range1:0.009~0.15MHz



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



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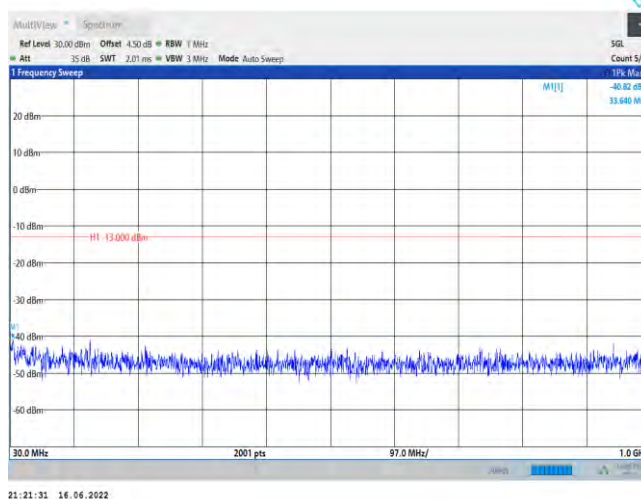
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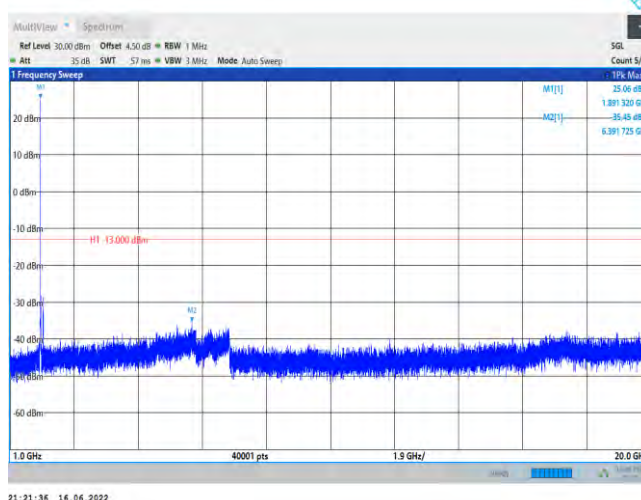
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Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

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

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.1800	59.68	-110.79	-51.11	-13.00	38.11	214	254	Horizontal
2	5553.2700	52.59	-107.44	-54.85	-13.00	41.85	236	232	Horizontal
3	7404.3600	49.36	-102.17	-52.81	-13.00	39.81	165	140	Horizontal
4	9255.4500	44.78	-97.11	-52.33	-13.00	39.33	194	232	Horizontal
5	11106.5400	43.09	-94.10	-51.01	-13.00	38.01	172	221	Horizontal
6	12957.6300	43.74	-92.71	-48.97	-13.00	35.97	201	60	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702	55.76	-110.79	-55.03	-13.00	42.03	236	288	Vertical
2	5553.2700	49.49	-107.44	-57.95	-13.00	44.95	255	16	Vertical
3	7404.3600	49.61	-102.17	-52.56	-13.00	39.56	197	345	Vertical
4	9255.4500	46.92	-97.11	-50.19	-13.00	37.19	184	16	Vertical
5	11106.5400	43.21	-94.10	-50.89	-13.00	37.89	235	1	Vertical
6	12957.6300	42.51	-92.71	-50.20	-13.00	37.20	201	311	Vertical



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

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	54.23	-110.82	-56.59	-13.00	43.59	214	267	Horizontal
2	5613.2700	52.38	-107.23	-54.85	-13.00	41.85	163	243	Horizontal
3	7484.3600	48.00	-101.99	-53.99	-13.00	40.99	251	0	Horizontal
4	9355.4500	46.60	-96.81	-50.21	-13.00	37.21	193	243	Horizontal
5	11226.5400	43.96	-93.55	-49.59	-13.00	36.59	233	26	Horizontal
6	13097.6300	41.62	-92.39	-50.77	-13.00	37.77	201	94	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	52.36	-110.82	-58.46	-13.00	45.46	296	266	Vertical
2	5613.2700	50.66	-107.23	-56.57	-13.00	43.57	148	0	Vertical
3	7484.3600	47.64	-101.99	-54.35	-13.00	41.35	172	242	Vertical
4	9355.4500	45.43	-96.81	-51.38	-13.00	38.38	230	344	Vertical
5	11226.5400	43.85	-93.55	-49.70	-13.00	36.70	135	333	Vertical
6	13097.6300	42.50	-92.39	-49.89	-13.00	36.89	201	1	Vertical



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

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	57.55	-110.84	-53.29	-13.00	40.29	122	254	Horizontal
2	5673.2700	51.12	-106.88	-55.76	-13.00	42.76	236	311	Horizontal
3	7564.3600	47.87	-101.86	-53.99	-13.00	40.99	251	265	Horizontal
4	9455.4500	44.98	-96.84	-51.86	-13.00	38.86	148	207	Horizontal
5	11346.5400	42.65	-93.55	-50.90	-13.00	37.90	194	218	Horizontal
6	13237.6300	41.01	-92.37	-51.36	-13.00	38.36	172	345	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	54.62	-110.84	-56.22	-13.00	43.22	284	312	Vertical
2	5673.2700	51.18	-106.88	-55.70	-13.00	42.70	194	312	Vertical
3	7564.3600	48.35	-101.86	-53.51	-13.00	40.51	172	312	Vertical
4	9455.4500	45.21	-96.84	-51.63	-13.00	38.63	230	334	Vertical
5	11346.5400	42.23	-93.55	-51.32	-13.00	38.32	135	82	Vertical
6	13237.6300	41.60	-92.37	-50.77	-13.00	37.77	160	221	Vertical



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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	-0.30	-0.000160	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-22.70	-0.012074	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	0.50	0.000266	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-8.50	-0.004521	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-20.10	-0.010691	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-12.70	-0.006755	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	3.80	0.002021	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-19.90	-0.010585	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-6.10	-0.003245	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-7.50	-0.003989	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-22.70	-0.012074	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-1.00	-0.000532	PASS

The End



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