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Appendix B.3

LTE Band 2



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t (86-512) 62992980 sgs.china@sgs.com

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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	23.72	24.02	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.87	24.17	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.69	23.99	33	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.83	23.13	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.76	24.06	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.87	24.17	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.76	24.06	33	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.92	23.22	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.71	24.01	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.83	24.13	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.7	24	33	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.82	23.12	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	23.04	23.34	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	23.15	23.45	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	23.06	23.36	33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.89	22.19	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	23	23.3	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	23.13	23.43	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	23.09	23.39	33	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.99	22.29	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.95	23.25	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	23.17	23.47	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	23	23.3	33	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.88	22.18	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	21.87	22.17	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#2	21.28	21.58	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#5	21.92	22.22	33	PASS



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Band2	1.4MHz	64QAM	18607	6RB#0	20.82	21.12	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	21.91	22.21	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#2	22.11	22.41	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#5	21.97	22.27	33	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	20.87	21.17	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	21.85	22.15	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#2	22.03	22.33	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#5	21.88	22.18	33	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	20.8	21.1	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.73	24.03	33	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.46	23.76	33	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.74	24.04	33	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.77	23.07	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.81	24.11	33	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.79	24.09	33	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.78	24.08	33	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.88	23.18	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.73	24.03	33	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.73	24.03	33	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.71	24.01	33	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.8	23.1	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	23.03	23.33	33	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.94	23.24	33	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.97	23.27	33	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.79	22.09	33	PASS
Band2	3MHz	16QAM	18900	1RB#0	23.02	23.32	33	PASS
Band2	3MHz	16QAM	18900	1RB#8	23.06	23.36	33	PASS
Band2	3MHz	16QAM	18900	1RB#14	23.1	23.4	33	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.86	22.16	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	23.02	23.32	33	PASS
Band2	3MHz	16QAM	19185	1RB#8	23.05	23.35	33	PASS
Band2	3MHz	16QAM	19185	1RB#14	23.04	23.34	33	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.81	22.11	33	PASS



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Band2	3MHz	64QAM	18615	1RB#0	21.88	22.18	33	PASS
Band2	3MHz	64QAM	18615	1RB#8	21.89	22.19	33	PASS
Band2	3MHz	64QAM	18615	1RB#14	21.29	21.59	33	PASS
Band2	3MHz	64QAM	18615	15RB#0	20.77	21.07	33	PASS
Band2	3MHz	64QAM	18900	1RB#0	21.93	22.23	33	PASS
Band2	3MHz	64QAM	18900	1RB#8	21.95	22.25	33	PASS
Band2	3MHz	64QAM	18900	1RB#14	22.03	22.33	33	PASS
Band2	3MHz	64QAM	18900	15RB#0	20.83	21.13	33	PASS
Band2	3MHz	64QAM	19185	1RB#0	21.9	22.2	33	PASS
Band2	3MHz	64QAM	19185	1RB#8	21.93	22.23	33	PASS
Band2	3MHz	64QAM	19185	1RB#14	21.86	22.16	33	PASS
Band2	3MHz	64QAM	19185	15RB#0	20.79	21.09	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.62	23.92	33	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.87	24.17	33	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.61	23.91	33	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.78	23.08	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.72	24.02	33	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.94	24.24	33	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.71	24.01	33	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.9	23.2	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.65	23.95	33	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.91	24.21	33	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.56	23.86	33	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.85	23.15	33	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.93	23.23	33	PASS
Band2	5MHz	16QAM	18625	1RB#12	23.18	23.48	33	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.86	23.16	33	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.79	22.09	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.94	23.24	33	PASS
Band2	5MHz	16QAM	18900	1RB#12	23.24	23.54	33	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.92	23.22	33	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.88	22.18	33	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.92	23.22	33	PASS



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Band2	5MHz	16QAM	19175	1RB#12	23.2	23.5	33	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.67	22.97	33	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.81	22.11	33	PASS
Band2	5MHz	64QAM	18625	1RB#0	21.9	22.2	33	PASS
Band2	5MHz	64QAM	18625	1RB#12	22.12	22.42	33	PASS
Band2	5MHz	64QAM	18625	1RB#24	21.78	22.08	33	PASS
Band2	5MHz	64QAM	18625	25RB#0	20.78	21.08	33	PASS
Band2	5MHz	64QAM	18900	1RB#0	21.84	22.14	33	PASS
Band2	5MHz	64QAM	18900	1RB#12	22.12	22.42	33	PASS
Band2	5MHz	64QAM	18900	1RB#24	21.84	22.14	33	PASS
Band2	5MHz	64QAM	18900	25RB#0	20.88	21.18	33	PASS
Band2	5MHz	64QAM	19175	1RB#0	21.85	22.15	33	PASS
Band2	5MHz	64QAM	19175	1RB#12	22.13	22.43	33	PASS
Band2	5MHz	64QAM	19175	1RB#24	21.73	22.03	33	PASS
Band2	5MHz	64QAM	19175	25RB#0	20.84	21.14	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.69	23.99	33	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.84	24.14	33	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.68	23.98	33	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.87	23.17	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.72	24.02	33	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.92	24.22	33	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.77	24.07	33	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.94	23.24	33	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.7	24	33	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.88	24.18	33	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.7	24	33	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.93	23.23	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	23.02	23.32	33	PASS
Band2	10MHz	16QAM	18650	1RB#24	23.05	23.35	33	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.94	23.24	33	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.84	22.14	33	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.95	23.25	33	PASS
Band2	10MHz	16QAM	18900	1RB#24	23.12	23.42	33	PASS



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Band2	10MHz	16QAM	18900	50RB#0	21.93	22.23	33	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.88	23.18	33	PASS
Band2	10MHz	16QAM	19150	1RB#24	23.1	23.4	33	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.76	23.06	33	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.91	22.21	33	PASS
Band2	10MHz	64QAM	18650	1RB#0	21.93	22.23	33	PASS
Band2	10MHz	64QAM	18650	1RB#24	22.01	22.31	33	PASS
Band2	10MHz	64QAM	18650	1RB#49	21.69	21.99	33	PASS
Band2	10MHz	64QAM	18650	50RB#0	20.84	21.14	33	PASS
Band2	10MHz	64QAM	18900	1RB#0	21.9	22.2	33	PASS
Band2	10MHz	64QAM	18900	1RB#24	22.11	22.41	33	PASS
Band2	10MHz	64QAM	18900	1RB#49	21.97	22.27	33	PASS
Band2	10MHz	64QAM	18900	50RB#0	20.9	21.2	33	PASS
Band2	10MHz	64QAM	19150	1RB#0	21.88	22.18	33	PASS
Band2	10MHz	64QAM	19150	1RB#24	22.09	22.39	33	PASS
Band2	10MHz	64QAM	19150	1RB#49	21.9	22.2	33	PASS
Band2	10MHz	64QAM	19150	50RB#0	20.89	21.19	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.13	23.43	33	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.74	24.04	33	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.67	23.97	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.82	23.12	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.64	23.94	33	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.79	24.09	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.68	23.98	33	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.92	23.22	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.6	23.9	33	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.73	24.03	33	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.63	23.93	33	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.81	23.11	33	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.9	23.2	33	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.93	23.23	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.96	23.26	33	PASS



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Band2	15MHz	16QAM	18675	75RB#0	21.81	22.11	33	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.82	23.12	33	PASS
Band2	15MHz	16QAM	18900	1RB#38	23.02	23.32	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.99	23.29	33	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.9	22.2	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.83	23.13	33	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.98	23.28	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.66	22.96	33	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.8	22.1	33	PASS
Band2	15MHz	64QAM	18675	1RB#0	21.8	22.1	33	PASS
Band2	15MHz	64QAM	18675	1RB#38	21.9	22.2	33	PASS
Band2	15MHz	64QAM	18675	1RB#74	21.63	21.93	33	PASS
Band2	15MHz	64QAM	18675	75RB#0	20.78	21.08	33	PASS
Band2	15MHz	64QAM	18900	1RB#0	21.83	22.13	33	PASS
Band2	15MHz	64QAM	18900	1RB#38	21.98	22.28	33	PASS
Band2	15MHz	64QAM	18900	1RB#74	21.91	22.21	33	PASS
Band2	15MHz	64QAM	18900	75RB#0	20.82	21.12	33	PASS
Band2	15MHz	64QAM	19125	1RB#0	21.81	22.11	33	PASS
Band2	15MHz	64QAM	19125	1RB#38	21.96	22.26	33	PASS
Band2	15MHz	64QAM	19125	1RB#74	21.75	22.05	33	PASS
Band2	15MHz	64QAM	19125	75RB#0	20.79	21.09	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.18	23.48	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.77	24.07	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.51	23.81	33	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.78	23.08	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.47	23.77	33	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.87	24.17	33	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.5	23.8	33	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.89	23.19	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.48	23.78	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.76	24.06	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.48	23.78	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.76	23.06	33	PASS



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Band2	20MHz	16QAM	18700	1RB#0	22.76	23.06	33	PASS
Band2	20MHz	16QAM	18700	1RB#49	23.09	23.39	33	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.82	23.12	33	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.75	22.05	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.65	22.95	33	PASS
Band2	20MHz	16QAM	18900	1RB#49	23.21	23.51	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.87	23.17	33	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.87	22.17	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.74	23.04	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	23.03	23.33	33	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.26	22.56	33	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.74	22.04	33	PASS
Band2	20MHz	64QAM	18700	1RB#0	21.65	21.95	33	PASS
Band2	20MHz	64QAM	18700	1RB#49	21.94	22.24	33	PASS
Band2	20MHz	64QAM	18700	1RB#99	21.73	22.03	33	PASS
Band2	20MHz	64QAM	18700	100RB#0	20.76	21.06	33	PASS
Band2	20MHz	64QAM	18900	1RB#0	21.67	21.97	33	PASS
Band2	20MHz	64QAM	18900	1RB#49	22.03	22.33	33	PASS
Band2	20MHz	64QAM	18900	1RB#99	21.73	22.03	33	PASS
Band2	20MHz	64QAM	18900	100RB#0	20.86	21.16	33	PASS
Band2	20MHz	64QAM	19100	1RB#0	21.69	21.99	33	PASS
Band2	20MHz	64QAM	19100	1RB#49	21.96	22.26	33	PASS
Band2	20MHz	64QAM	19100	1RB#99	21.35	21.65	33	PASS
Band2	20MHz	64QAM	19100	100RB#0	20.74	21.04	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	5.18	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.18	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.12	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.98	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.98	13	PASS
Band2	20MHz	64QAM	18700	100RB#0	6.48	13	PASS
Band2	20MHz	64QAM	18900	100RB#0	6.30	13	PASS
Band2	20MHz	64QAM	19100	100RB#0	6.28	13	PASS



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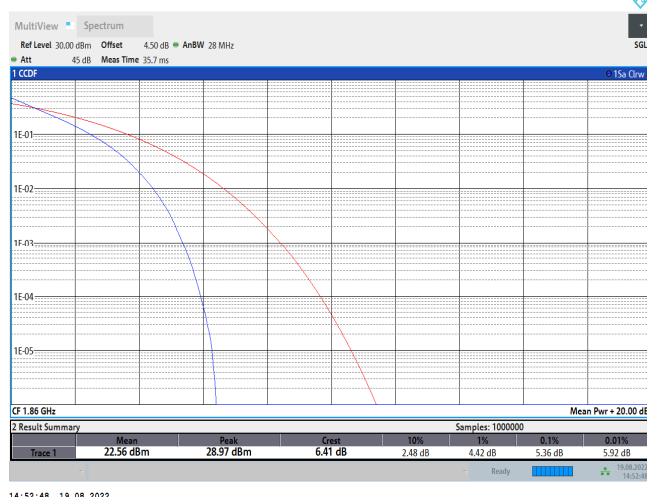
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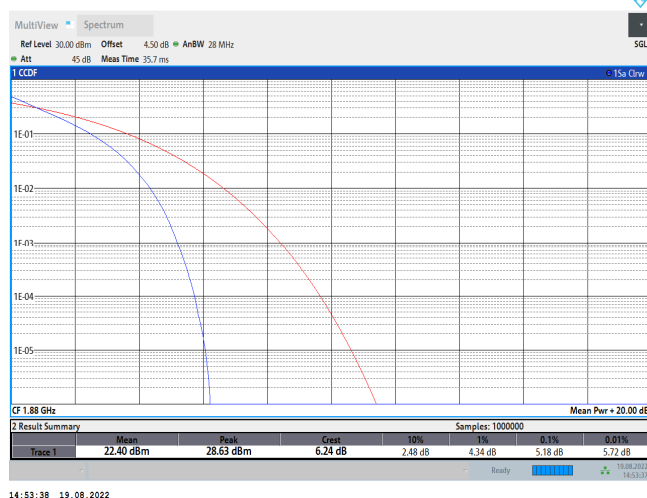
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Test Graphs

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



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



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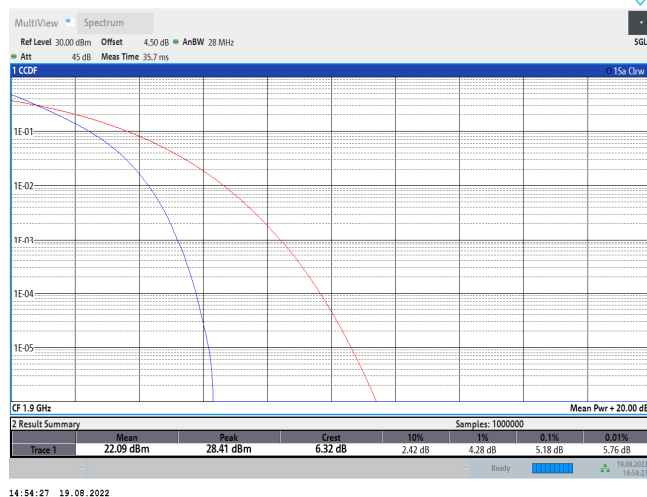
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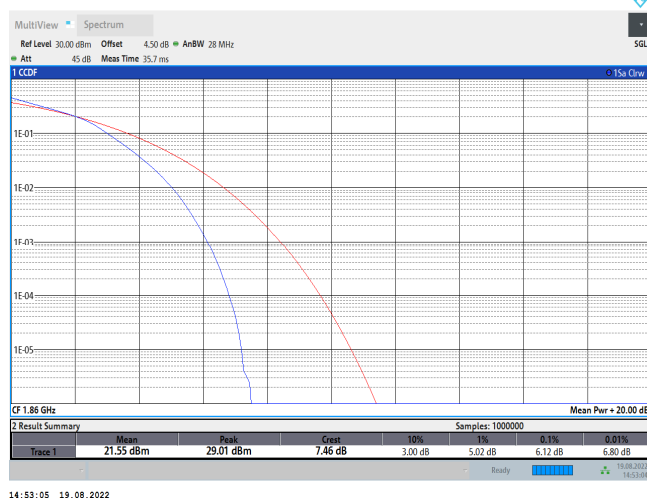
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Band2-20MHz-QPSK-19100-100RB#0



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



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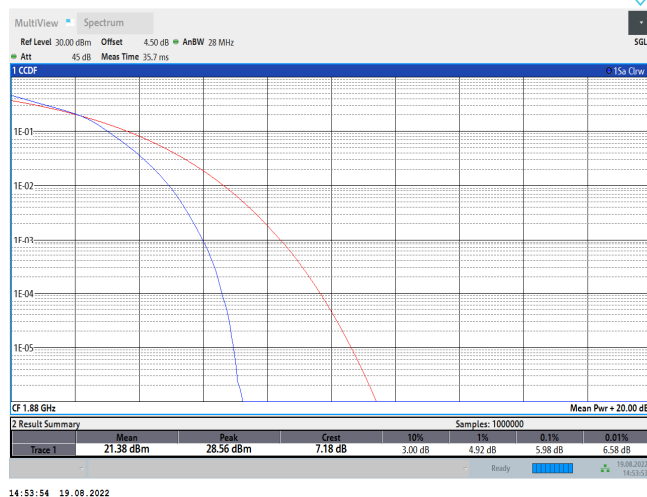
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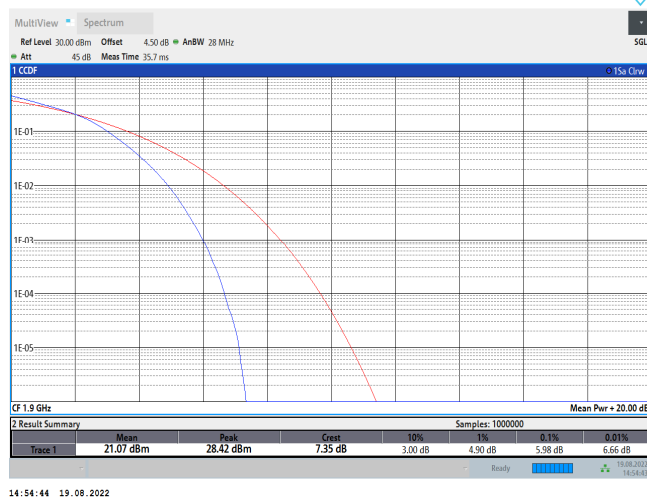
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Band2-20MHz-16QAM-18900-100RB#0



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



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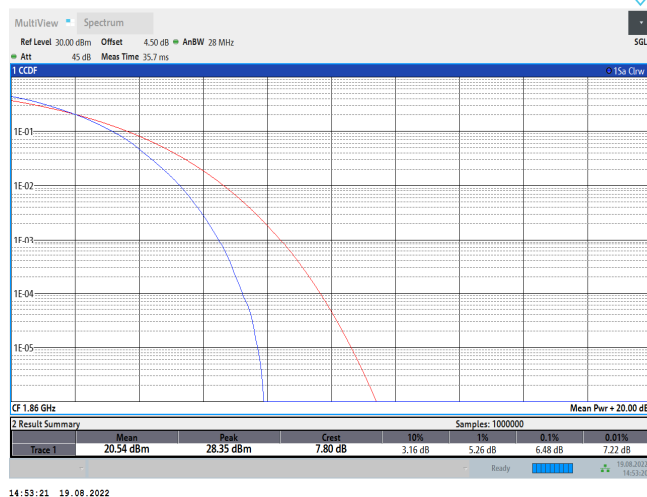
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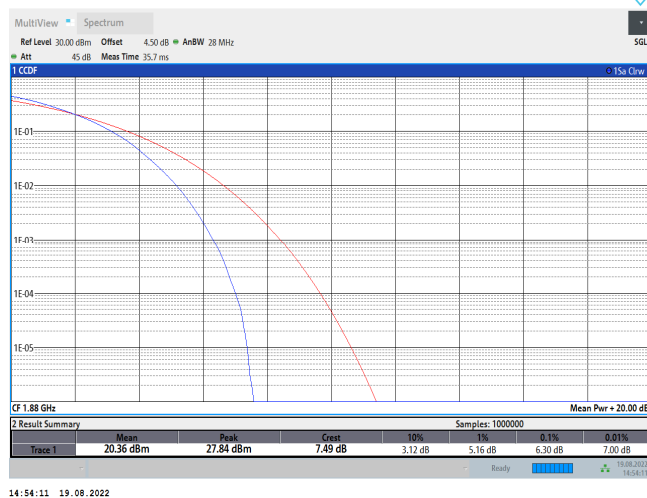
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Band2-20MHz-64QAM-18700-100RB#0



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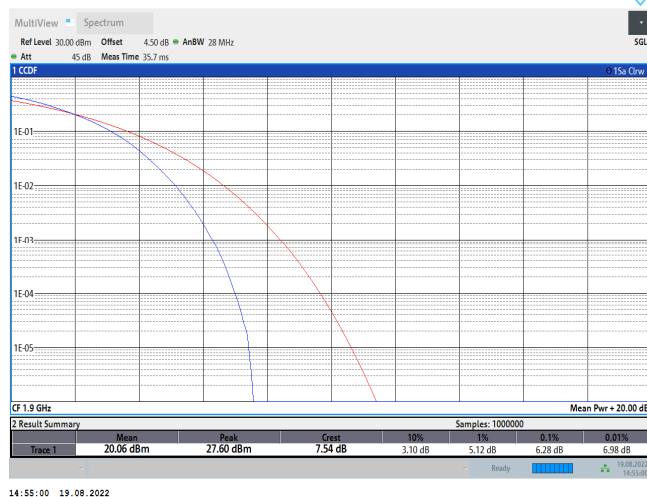
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Band2-20.MHz-64QAM-19100-100RB#0



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



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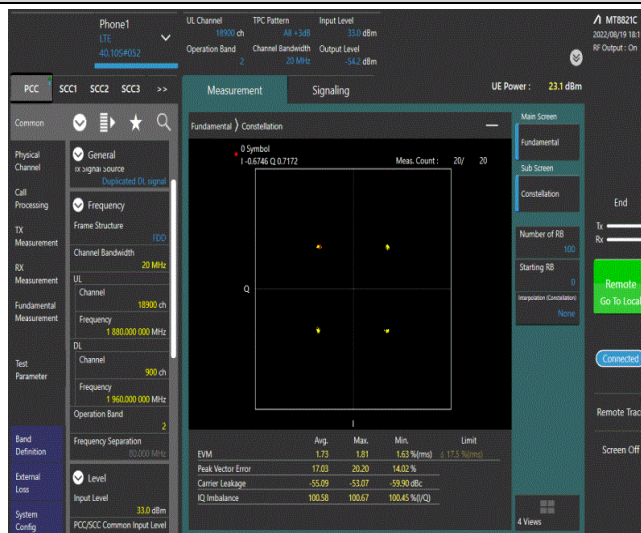
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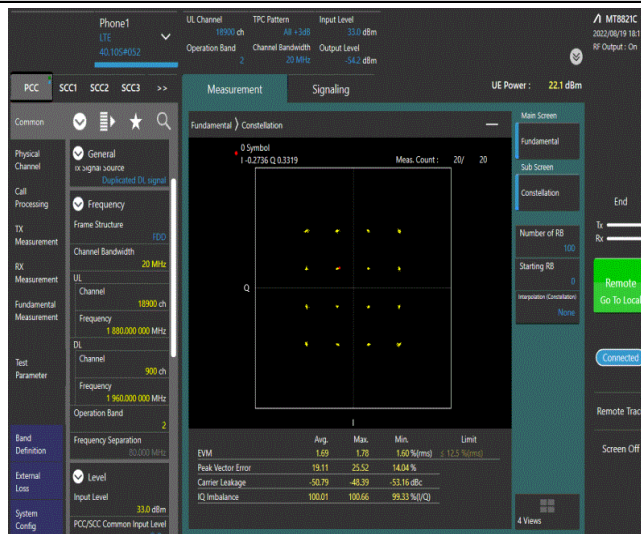
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Band2-20MHz-QPSK-18900-100RB#0



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

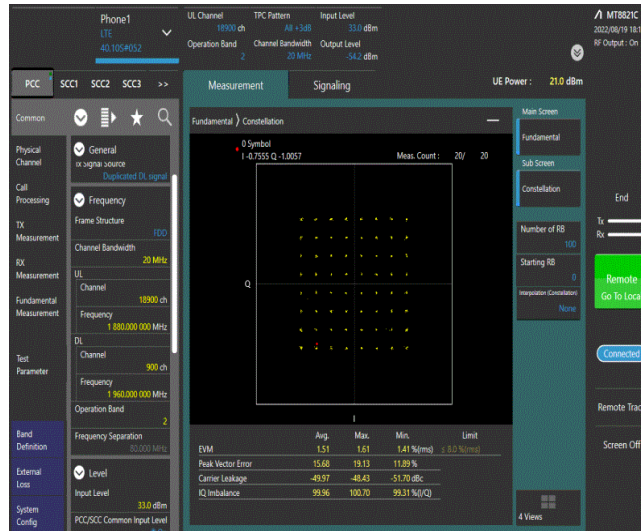


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t (86-512) 62992980 sgs.china@sgs.com

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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	1.096	1.31	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.098	1.31	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.097	1.31	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	1.096	1.31	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	1.096	1.31	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	1.096	1.31	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.683	2.89	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.685	2.89	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.689	2.92	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.677	2.90	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.678	2.92	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.681	2.90	PASS
Band2	3MHz	64QAM	18615	15RB#0	2.68	2.90	PASS
Band2	3MHz	64QAM	18900	15RB#0	2.683	2.89	PASS
Band2	3MHz	64QAM	19185	15RB#0	2.682	2.89	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.471	5.02	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.479	5.04	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.475	5.04	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.471	5.04	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.474	5.06	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.475	5.05	PASS
Band2	5MHz	64QAM	18625	25RB#0	4.485	5.03	PASS
Band2	5MHz	64QAM	18900	25RB#0	4.486	5.04	PASS
Band2	5MHz	64QAM	19175	25RB#0	4.493	5.04	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.955	9.86	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.945	9.82	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.946	9.82	PASS



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Band2	10MHz	16QAM	18650	50RB#0	8.93	9.82	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.924	9.82	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.924	9.74	PASS
Band2	10MHz	64QAM	18650	50RB#0	8.952	9.78	PASS
Band2	10MHz	64QAM	18900	50RB#0	8.944	9.86	PASS
Band2	10MHz	64QAM	19150	50RB#0	8.948	10.12	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.52	15.72	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.501	15.06	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.482	15.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.509	15.27	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.502	15.24	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.461	15.12	PASS
Band2	15MHz	64QAM	18675	75RB#0	13.485	15.09	PASS
Band2	15MHz	64QAM	18900	75RB#0	13.441	15.12	PASS
Band2	15MHz	64QAM	19125	75RB#0	13.428	15.15	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.975	19.88	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.943	19.80	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.887	19.72	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.927	19.60	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.925	19.76	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.862	19.52	PASS
Band2	20MHz	64QAM	18700	100RB#0	17.918	19.68	PASS
Band2	20MHz	64QAM	18900	100RB#0	17.898	19.68	PASS
Band2	20MHz	64QAM	19100	100RB#0	17.857	19.68	PASS



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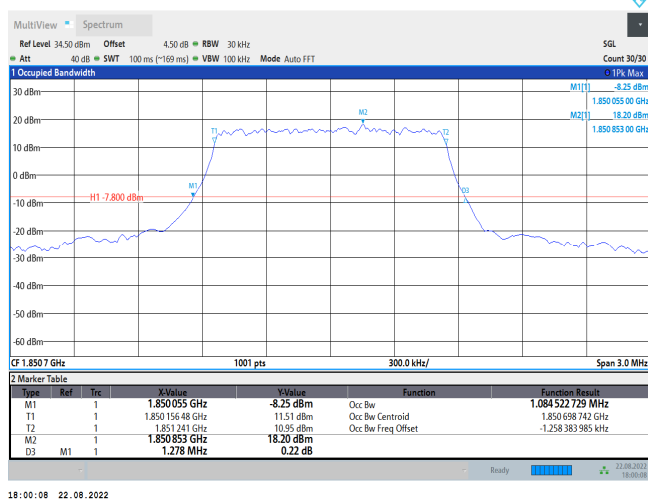
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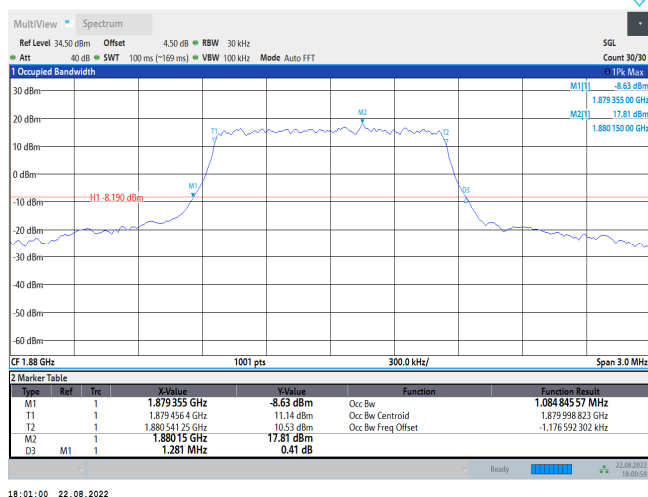
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Test Graphs

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



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

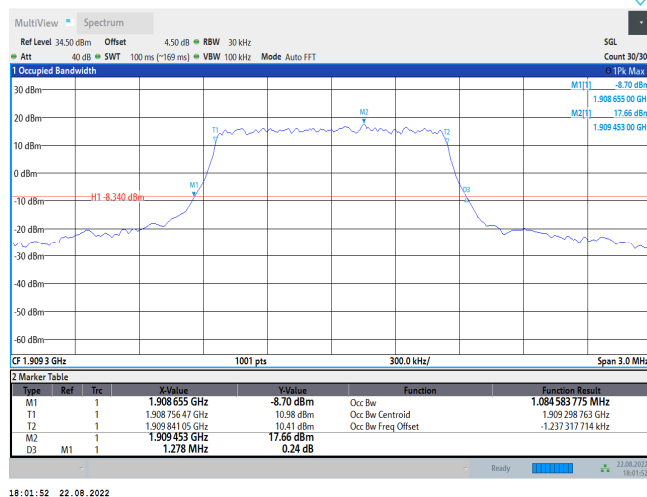


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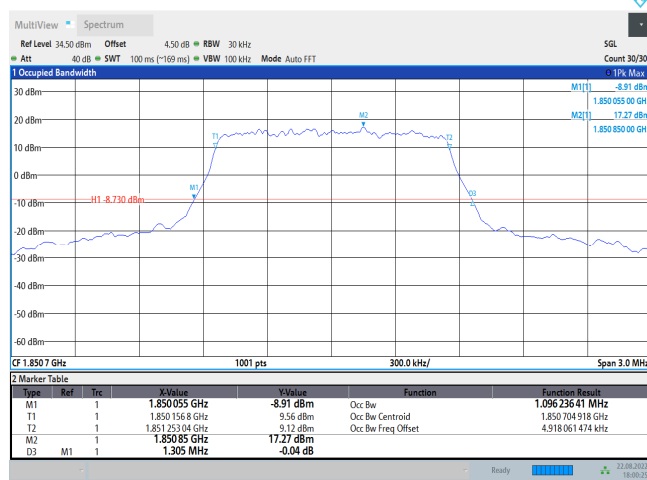
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Band2-1.4MHz-QPSK-19193-6RB#0



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



18:00:26 22.08.2022



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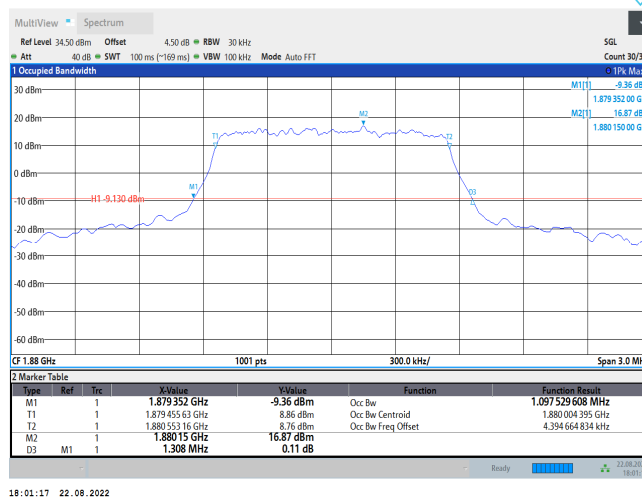
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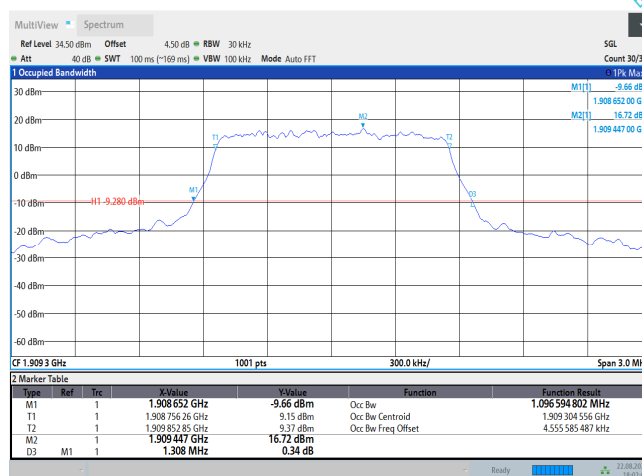
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Band2-1.4MHz-16QAM-18900-6RB#0



18:01:17 22.08.2022

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



18:02:09 22.08.2022



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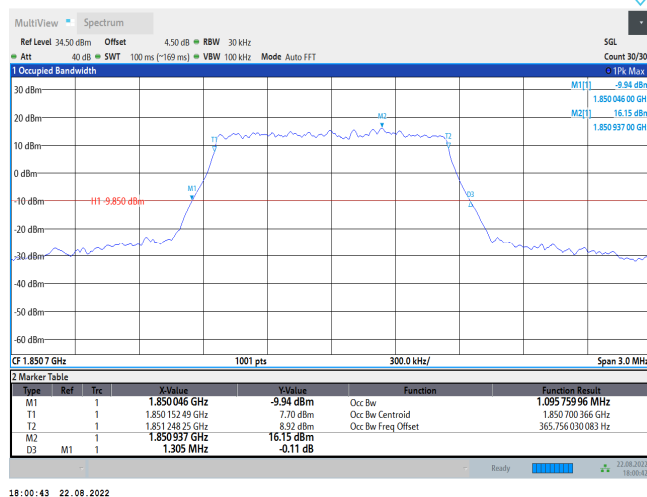
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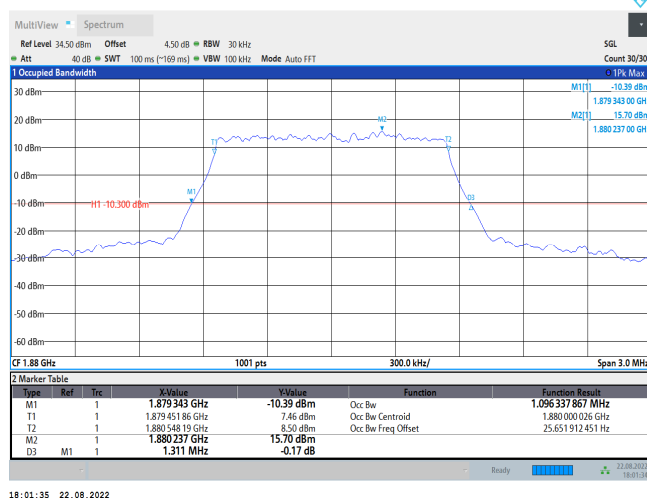
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Band2-1.4MHz-64QAM-18607-6RB#0



Band2-1.4MHz-64QAM-18900-6RB#0



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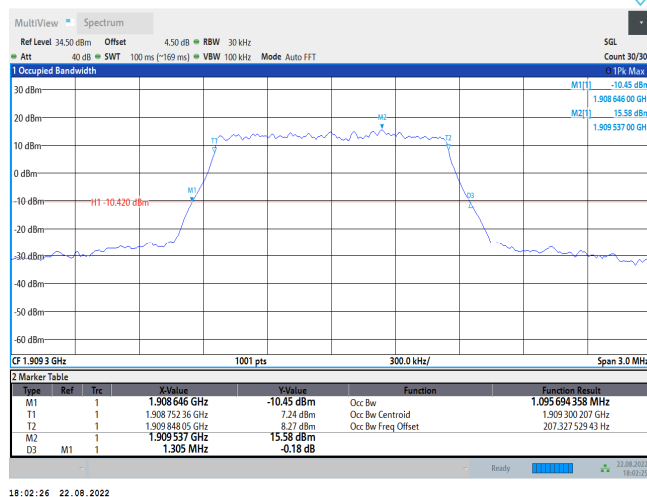
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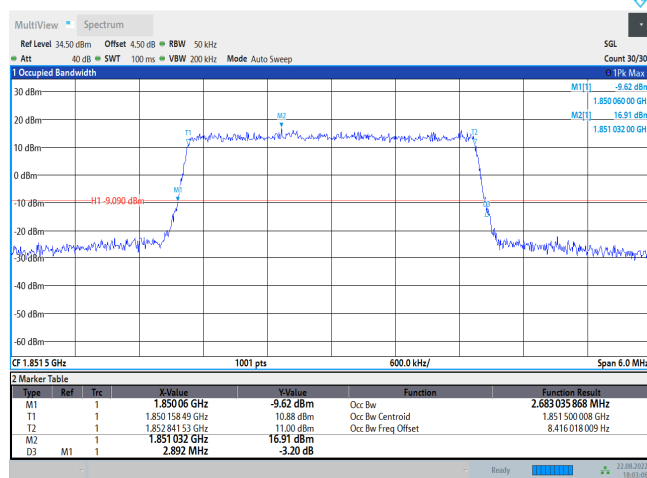
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Band2-1.4MHz-64QAM-19193-6RB#0



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



18:03:08 22.08.2022



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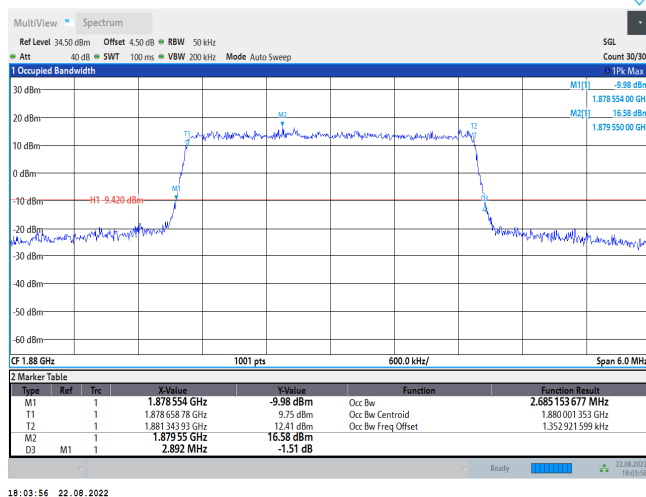
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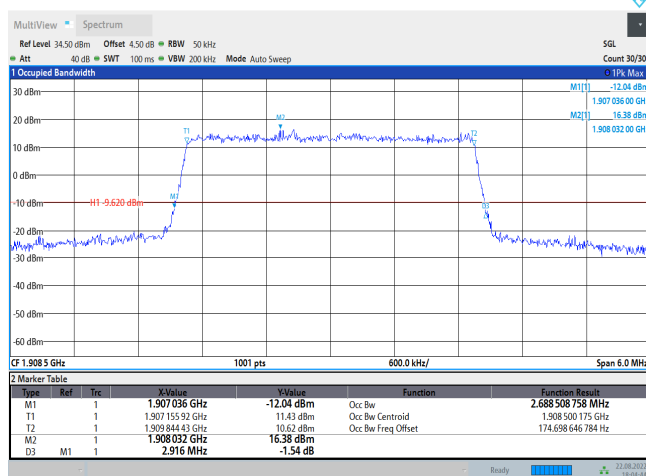
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Band2-3MHz-QPSK-18900-15RB#0



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



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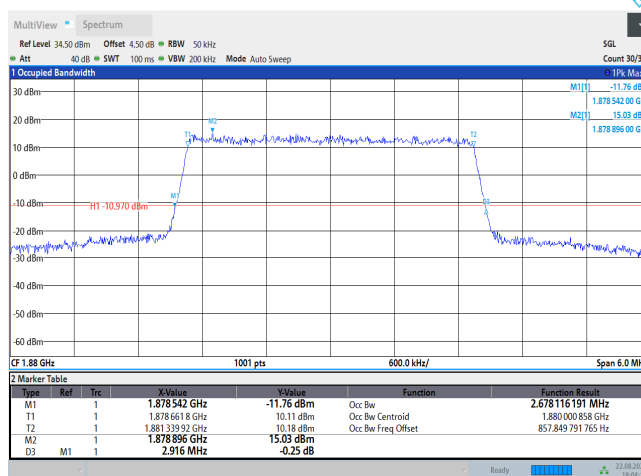
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Band2-3MHz-16QAM-18615-15RB#0



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



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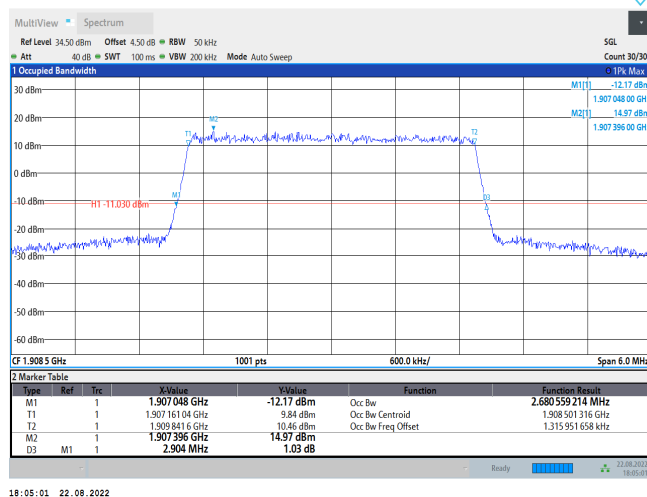
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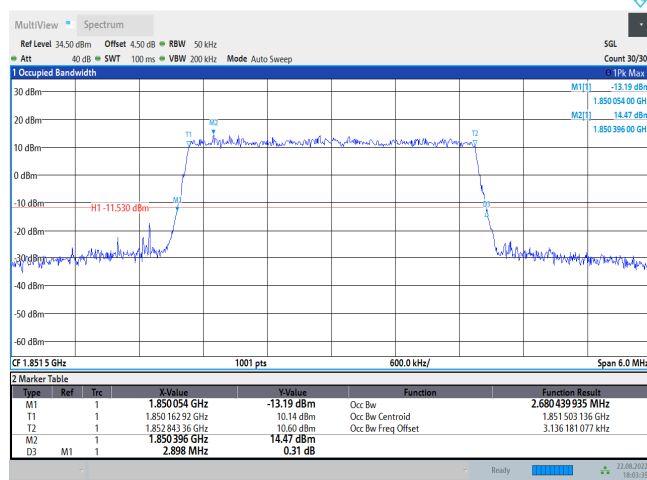
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Band2-3MHz-16QAM-19185-15RB#0



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



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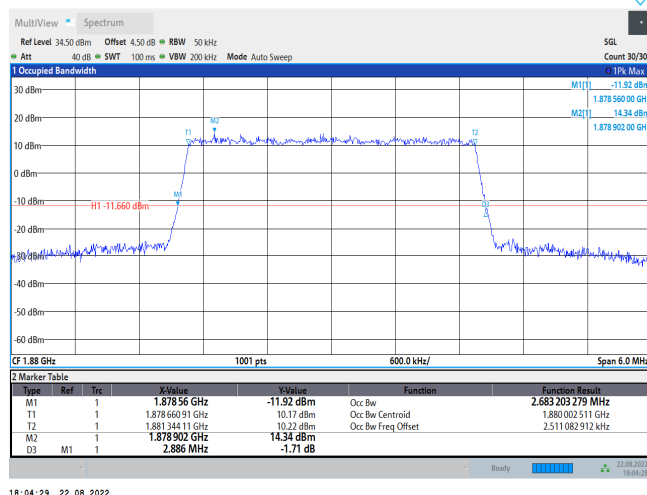
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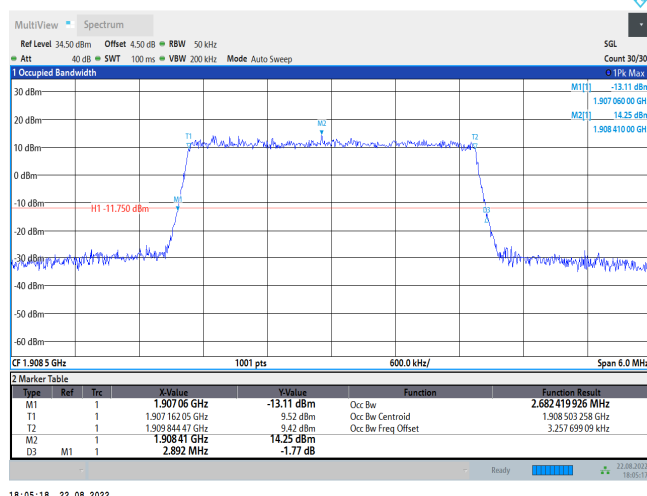
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Band2-3MHz-64QAM-18900-15RB#0



18:04:29 22.08.2022

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



18:05:18 22.08.2022



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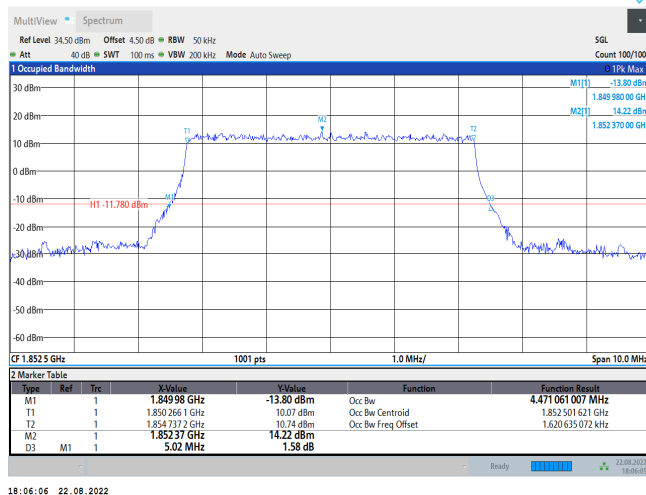
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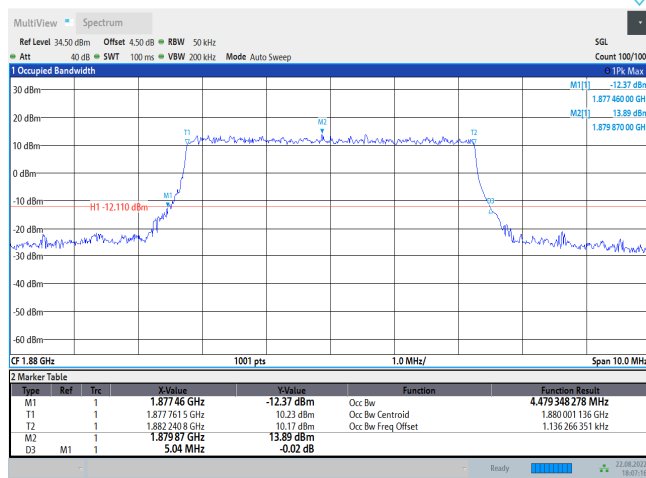
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Band2-5MHz-QPSK-18625-25RB#0



18:06:06 22.08.2022

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



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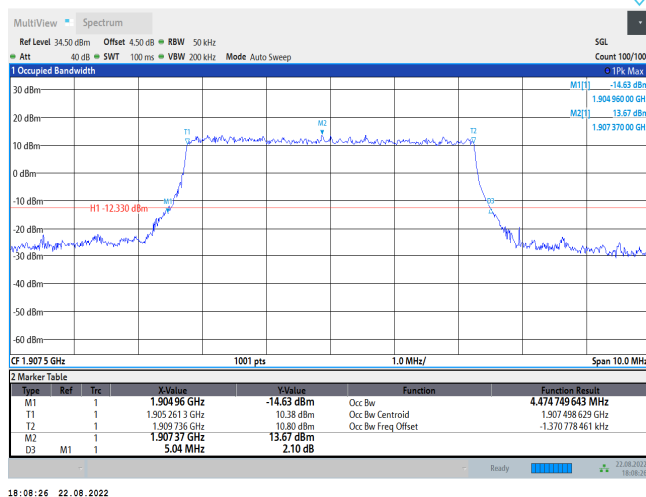
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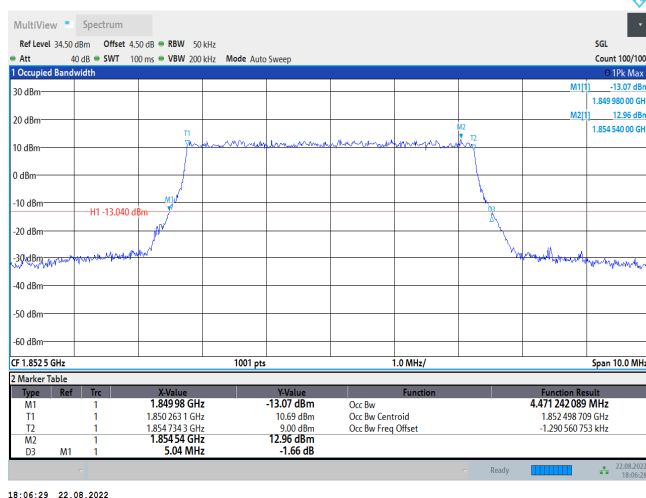
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Band2-5MHz-16QAM-18625-25RB#0



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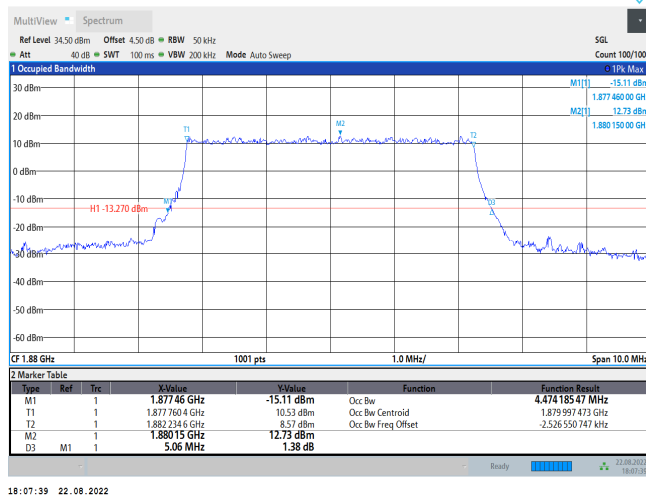
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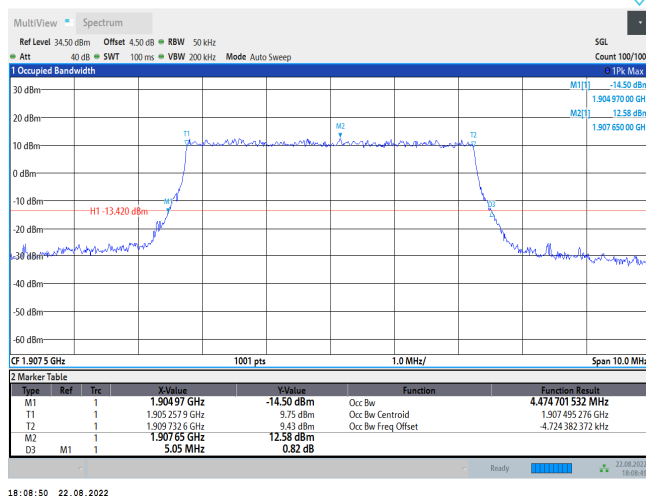
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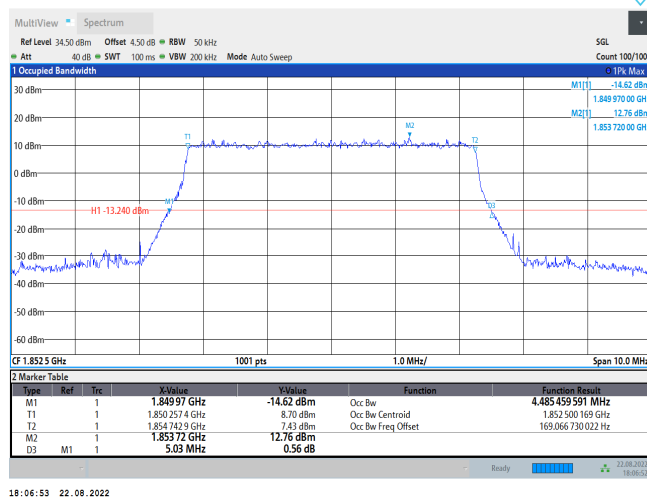
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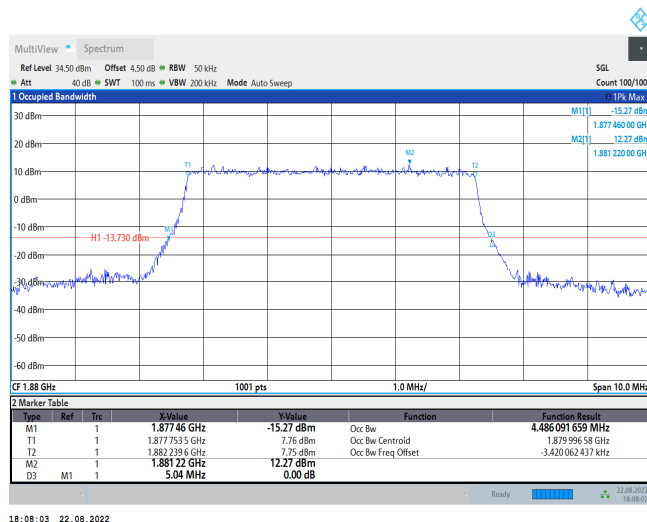
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Band2-5MHz-64QAM-18900-25RB#0



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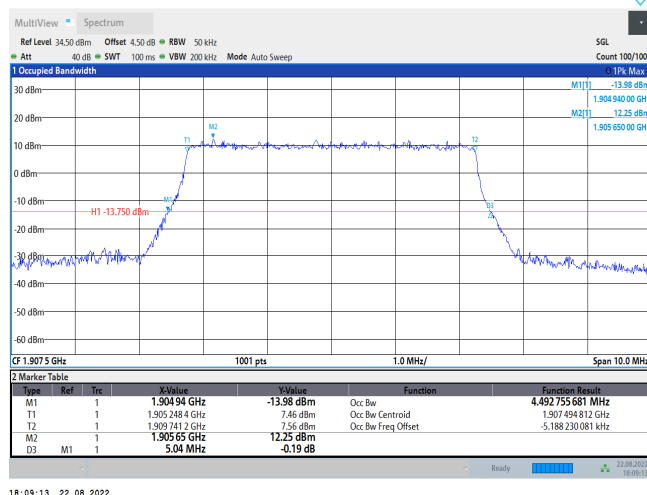
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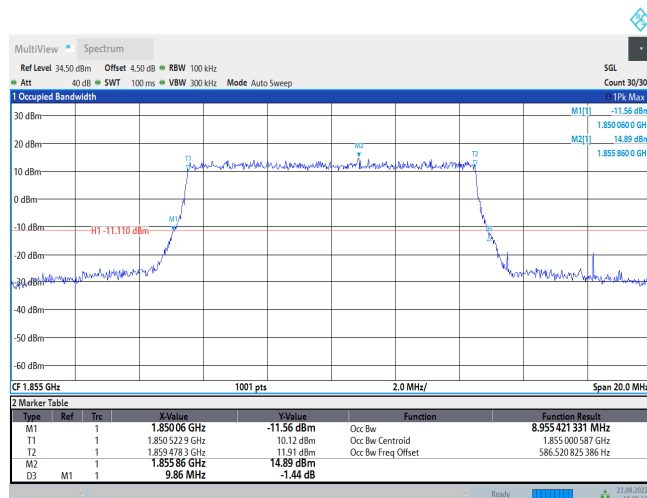
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Band2-10MHz-QPSK-18650-50RB#0



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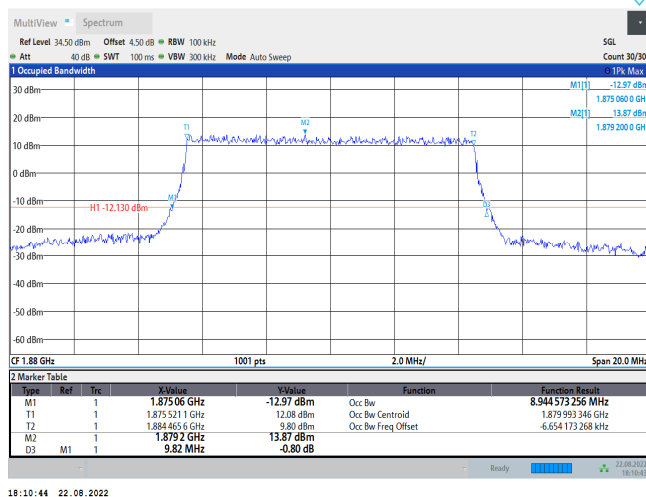
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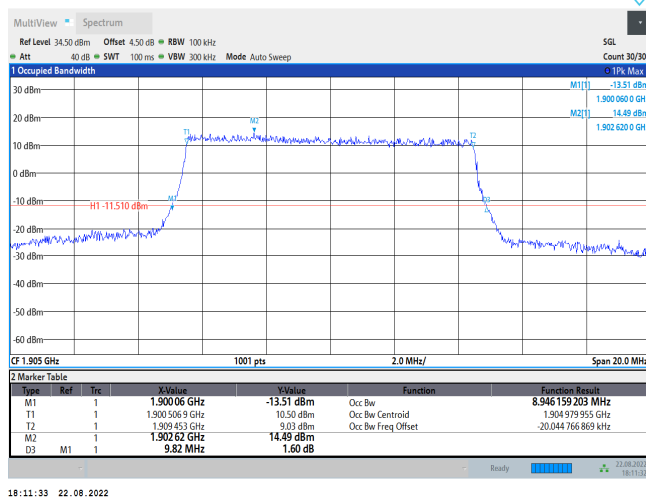
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Band2-10MHz-QPSK-19150-50RB#0



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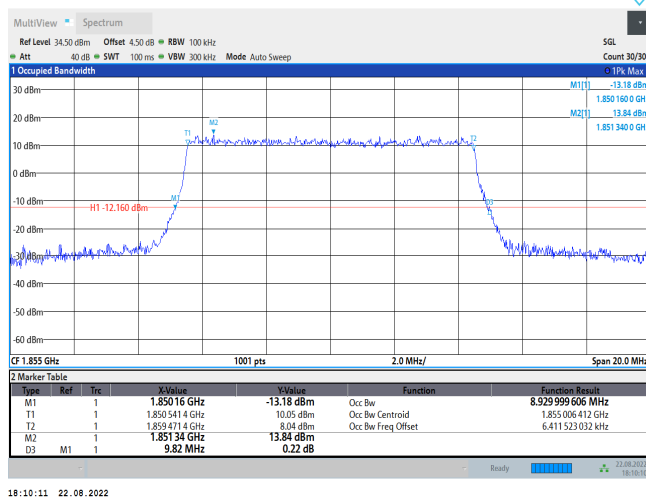
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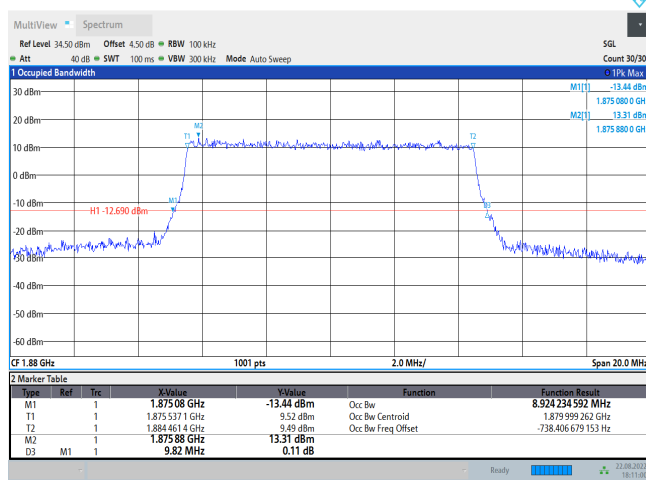
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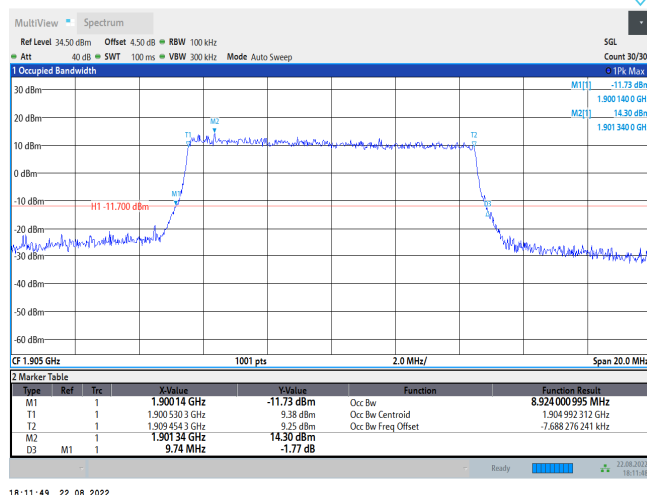
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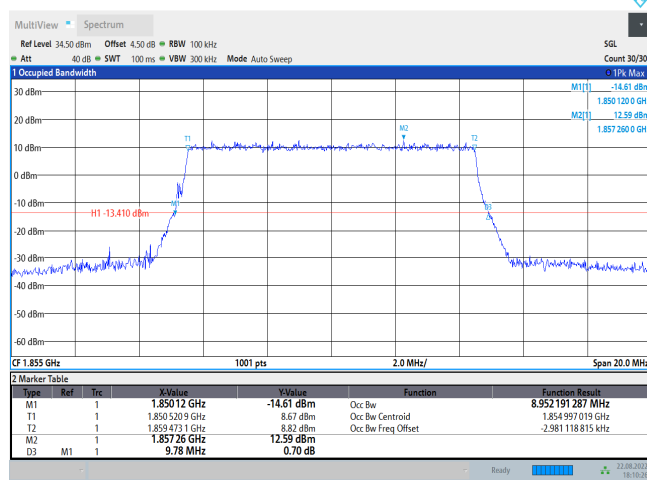
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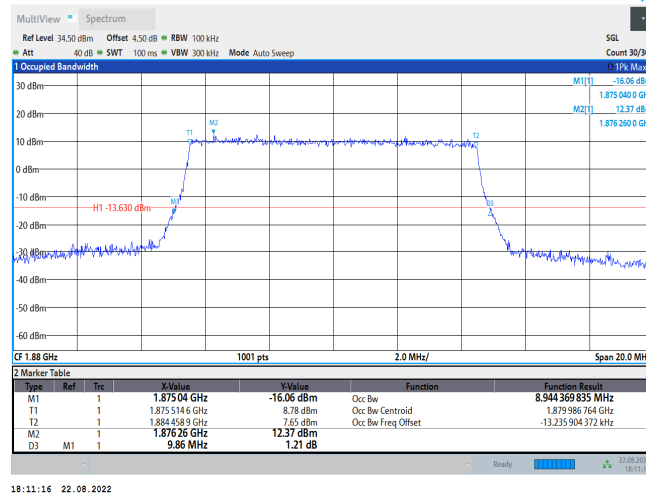
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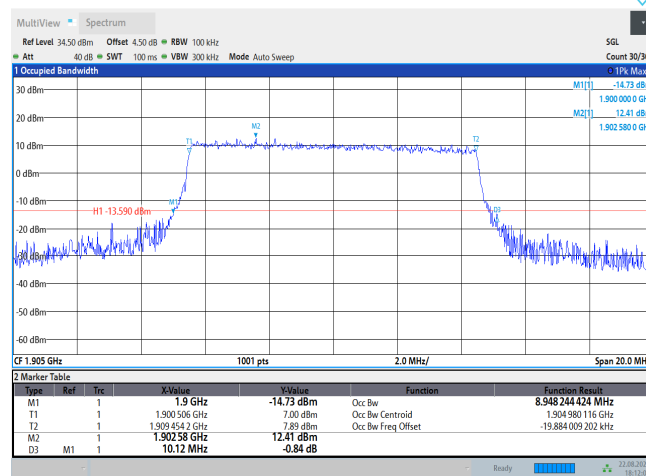
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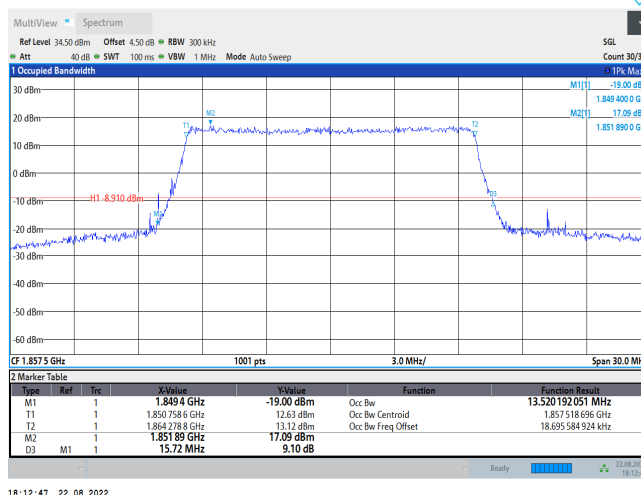
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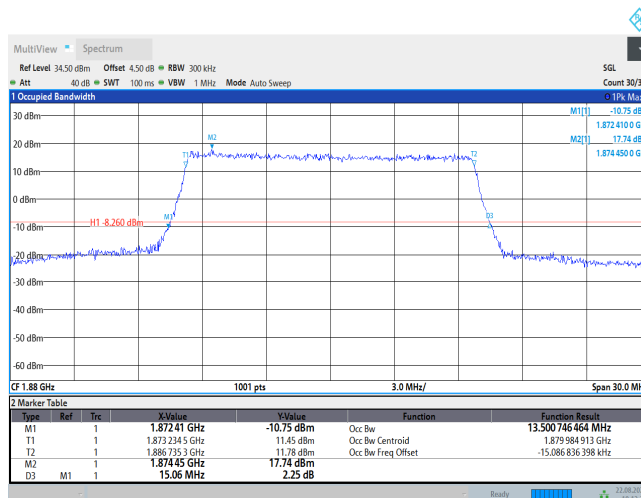
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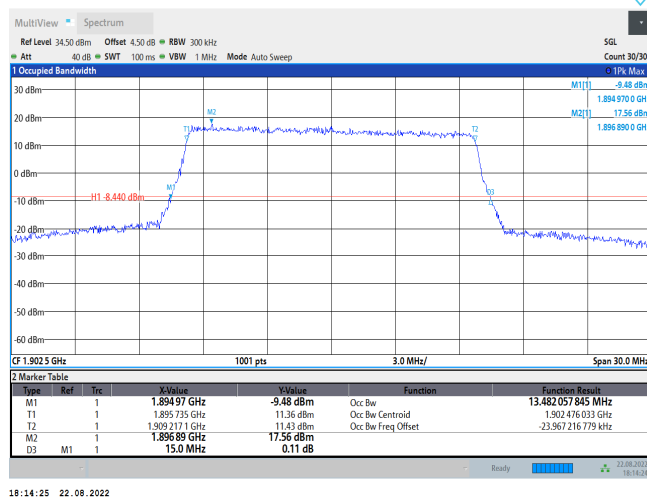
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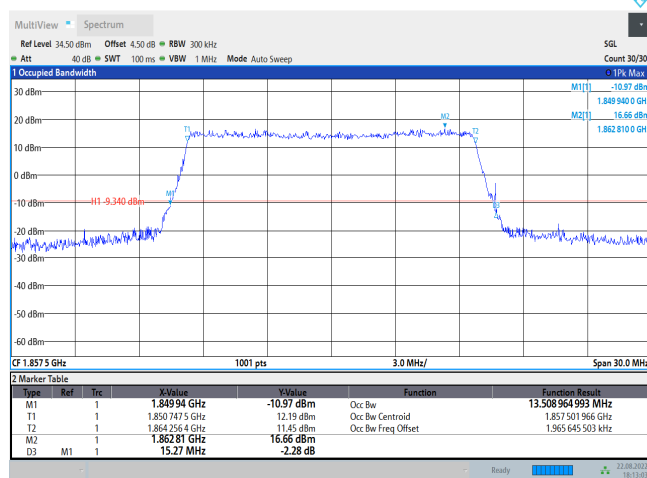
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Band2-15MHz-QPSK-19125-75RB#0



18:14:25 22.08.2022

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



18:13:03 22.08.2022



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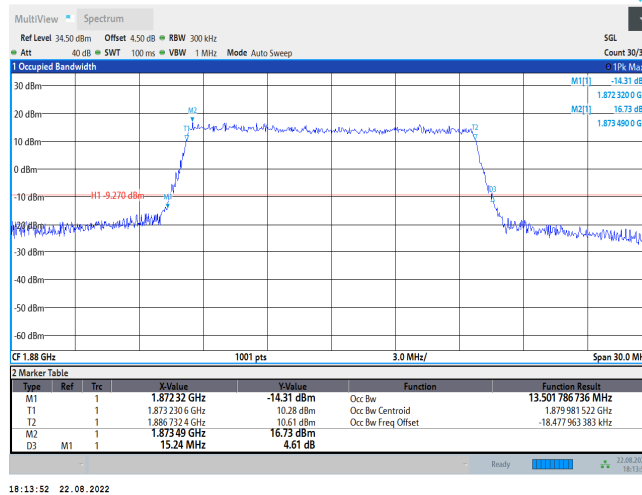
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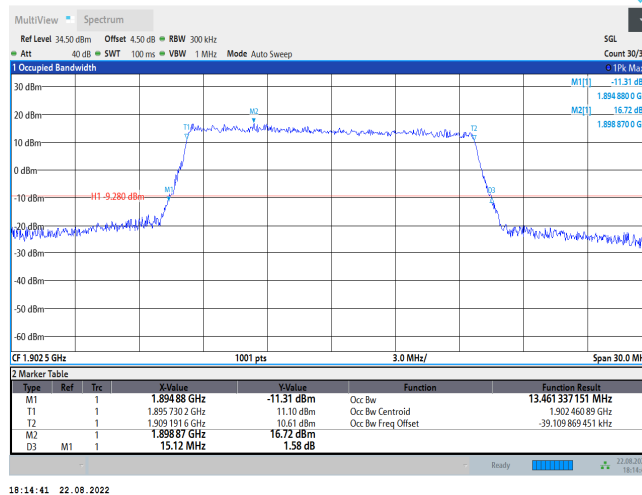
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Band2-15MHz-16QAM-19125-75RB#0



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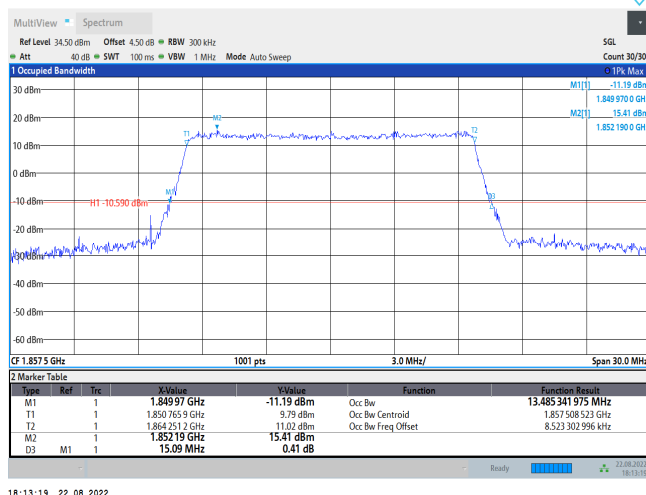
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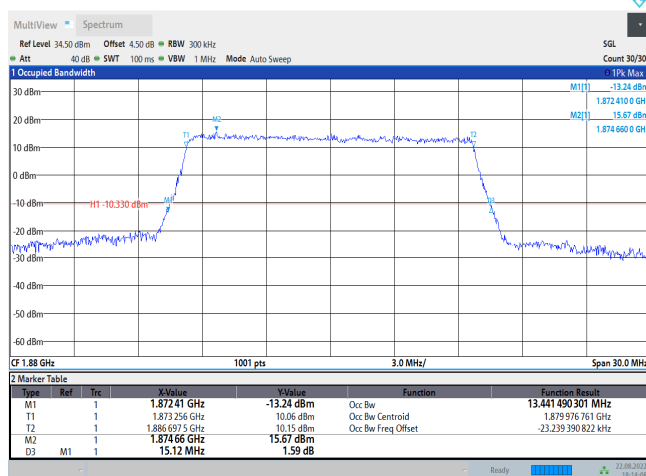
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Band2-15MHz-64QAM-18675-75RB#0



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



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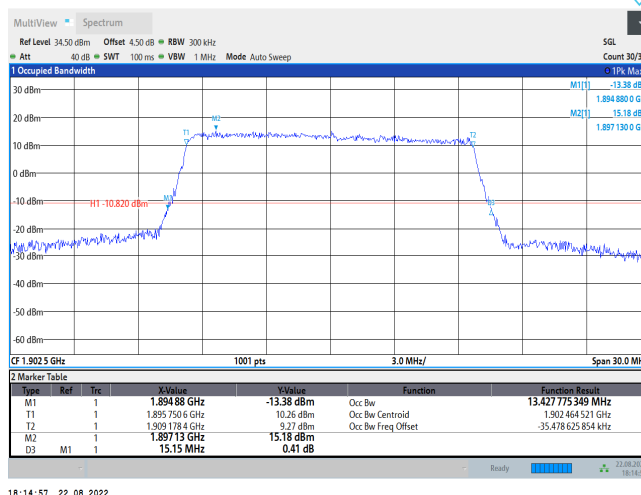
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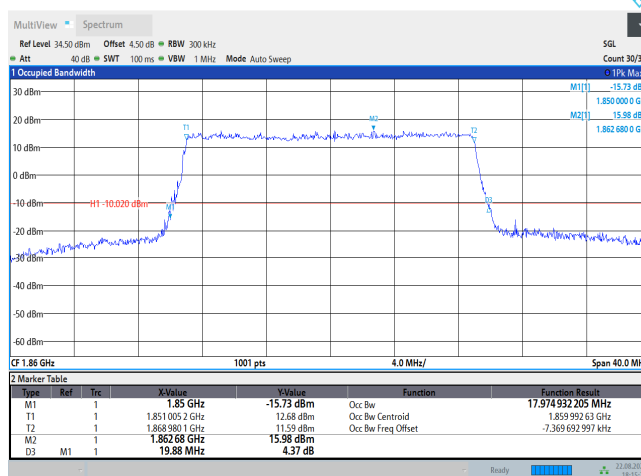
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18:14:57 22.08.2022

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



18:15:29 22.08.2022



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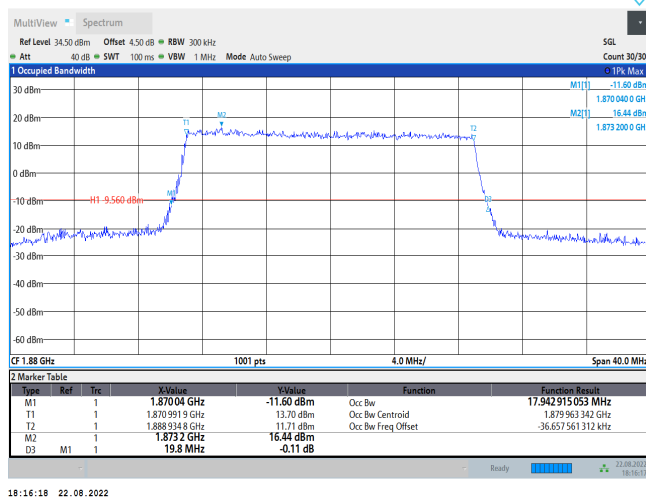
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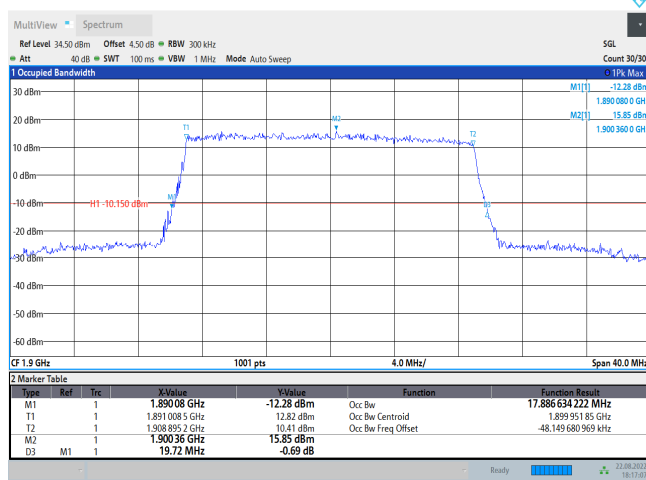
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18:16:18 22.08.2022

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



18:17:07 22.08.2022



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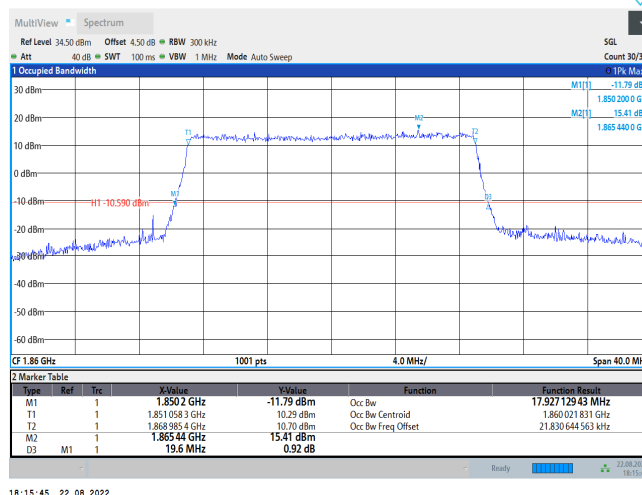
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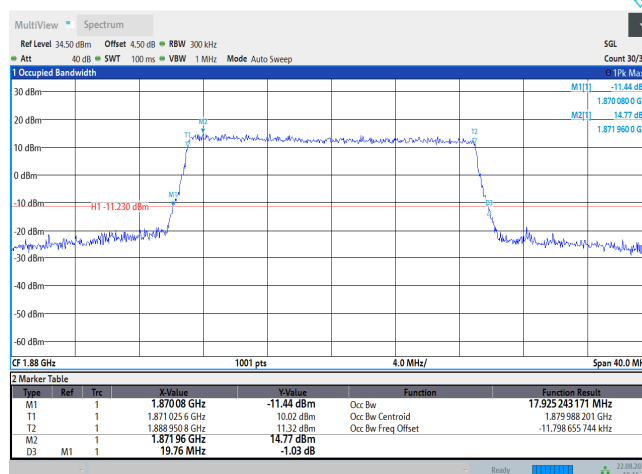
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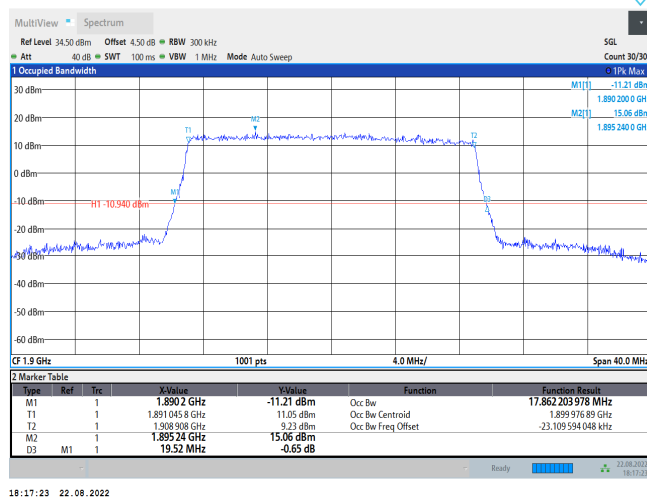
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Band2-20MHz-64QAM-18700-100RB#0



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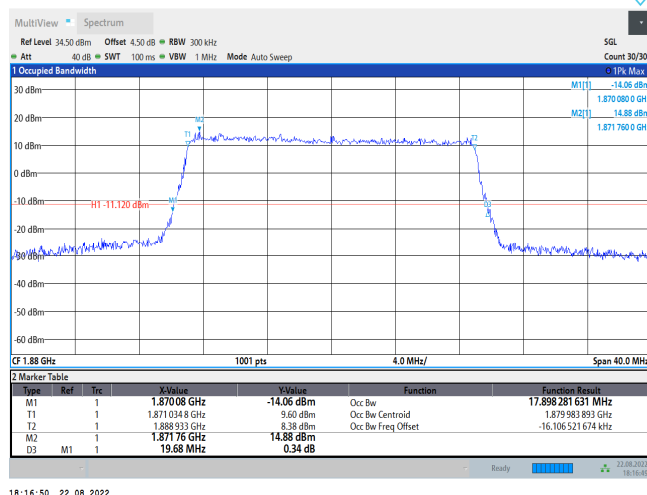
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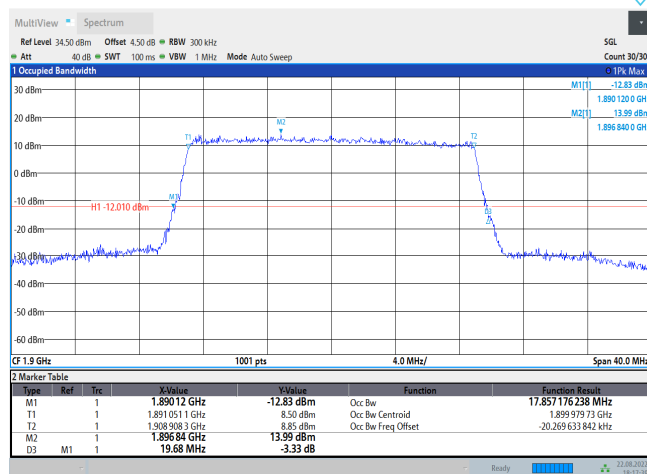
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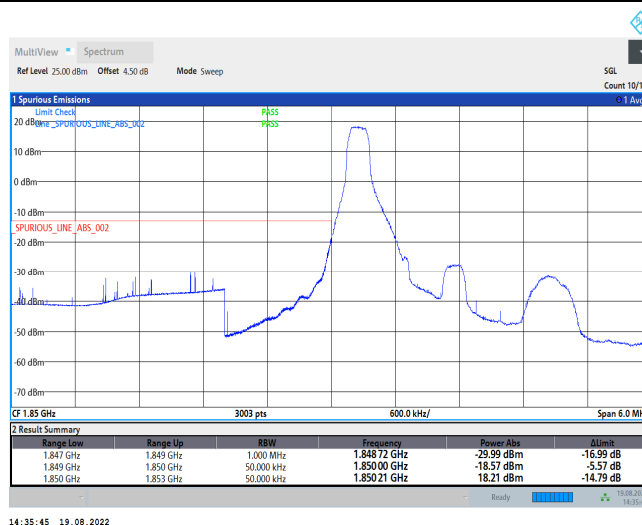
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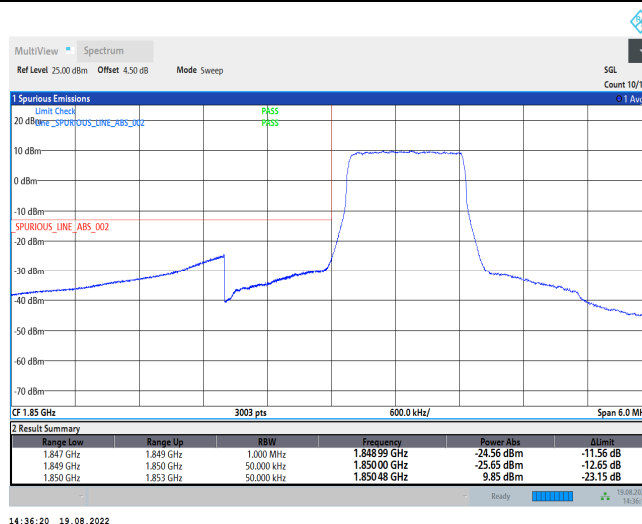
Band Edge

Test Graphs

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



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



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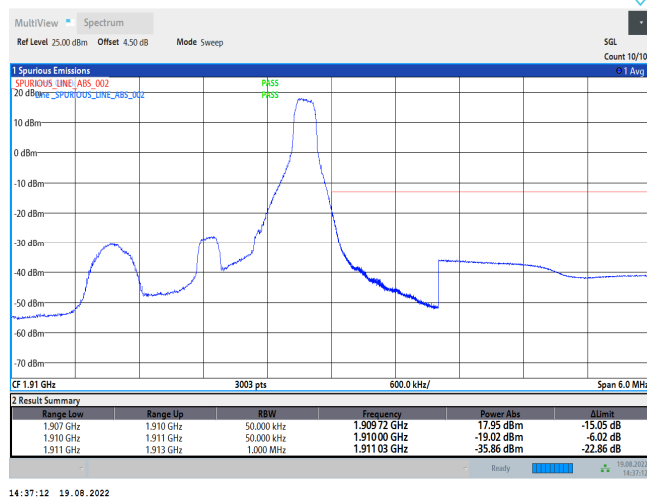
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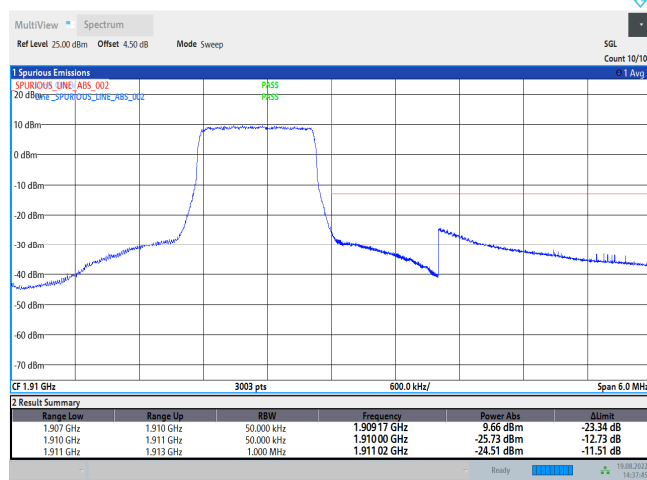
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Band2-1.4MHz-QPSK-19193-6RB#0



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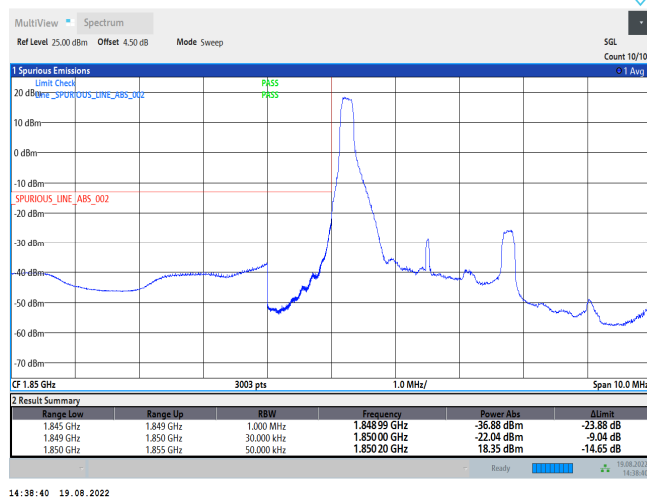
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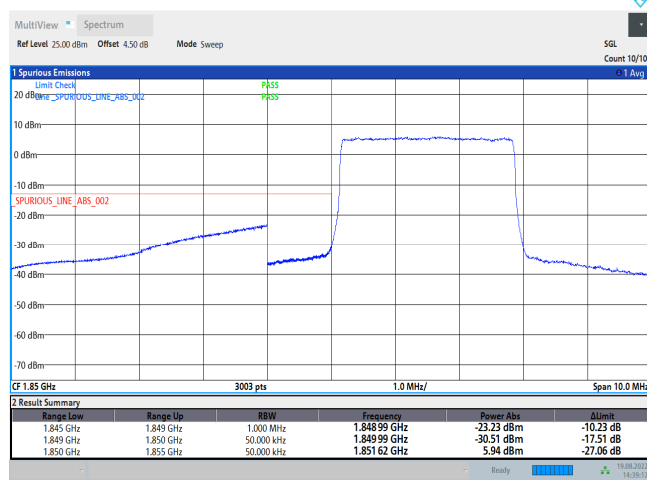
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Band2-3MHz-QPSK-18615-15RB#0



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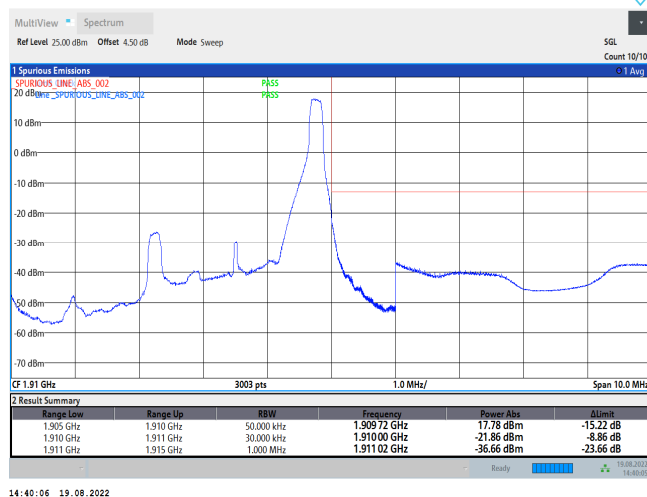
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Band2-3MHz-QPSK-19185-1RB#14



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



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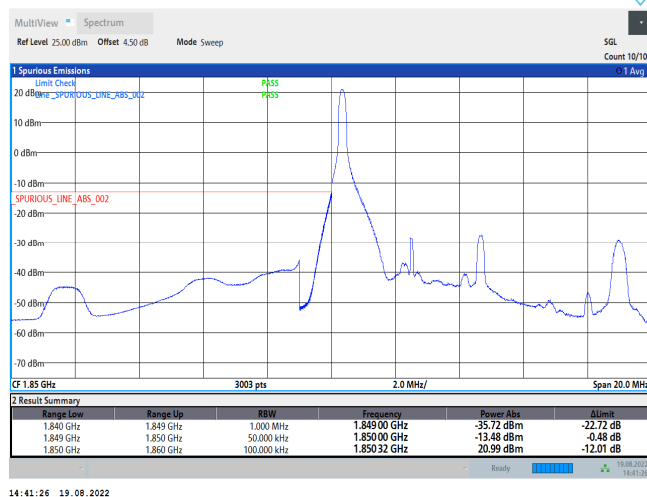
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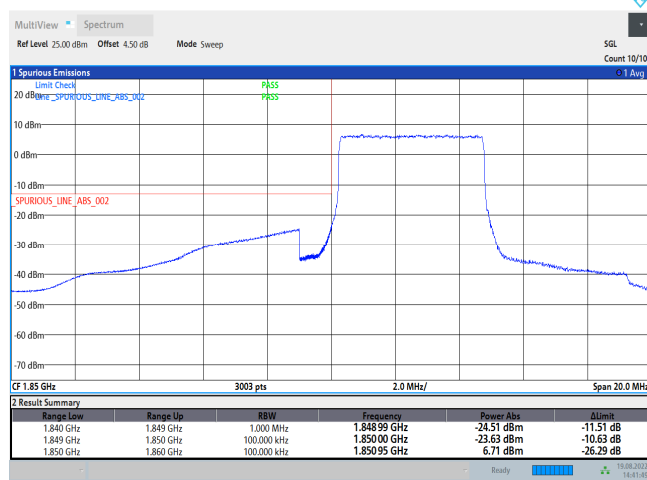
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Band2-5MHz-QPSK-18625-1RB#0



14:41:26 19.08.2022

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



14:41:50 19.08.2022



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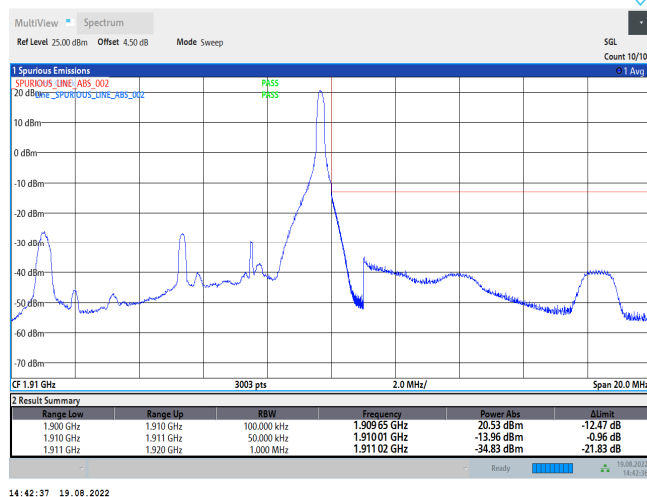
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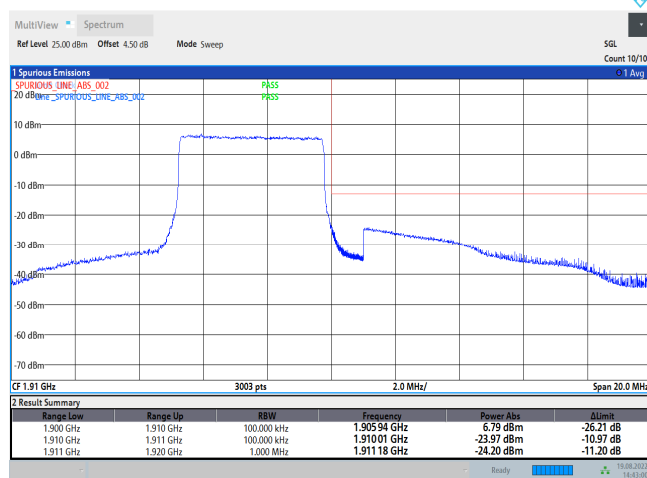
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Band2-5MHz-QPSK-19175-1RB#24



14:42:37 19.08.2022

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



14:43:01 19.08.2022



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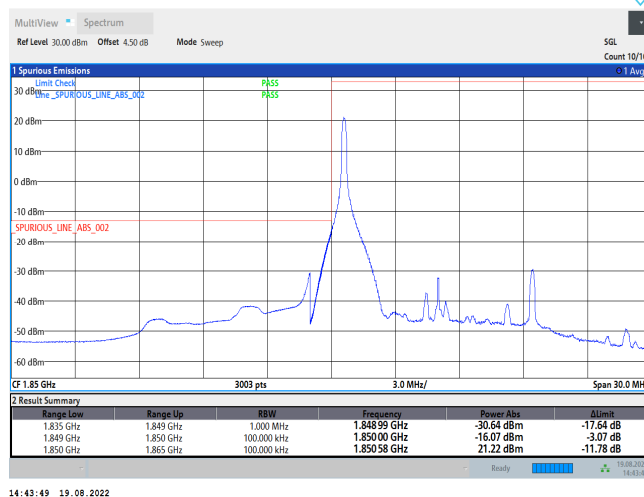
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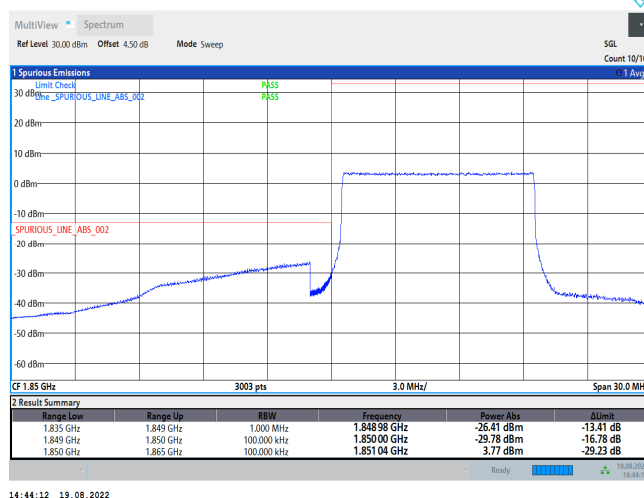
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Band2-10MHz-QPSK-18650-1RB#0



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



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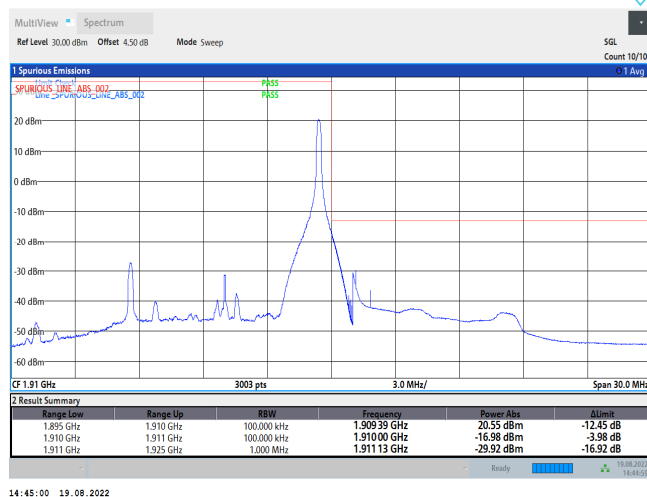
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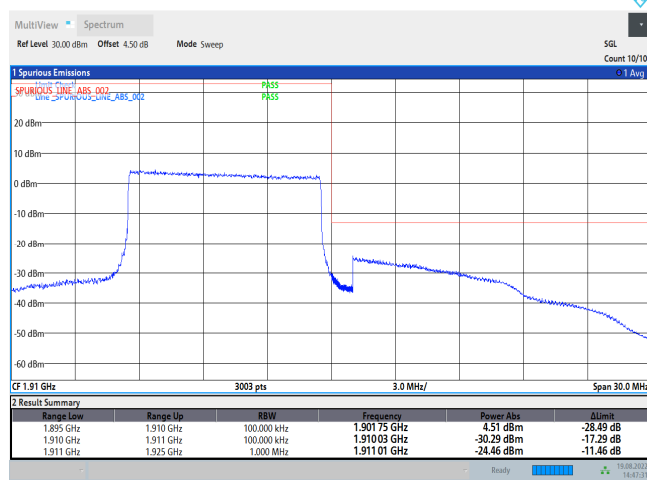
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Band2-10MHz-QPSK-19150-1RB#49



14:45:00 19.08.2022

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



14:47:31 19.08.2022



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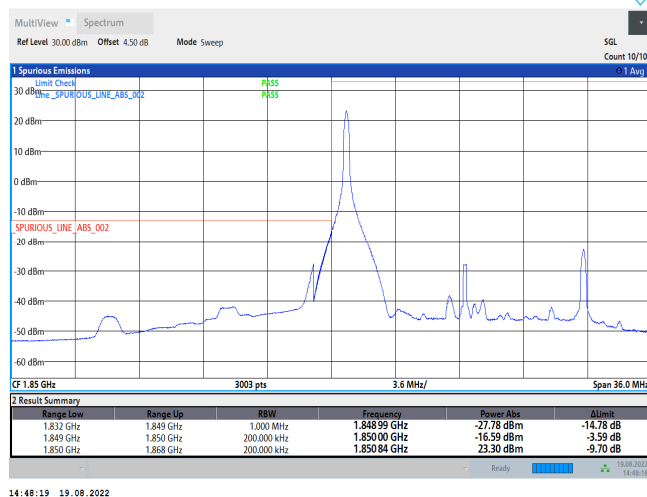
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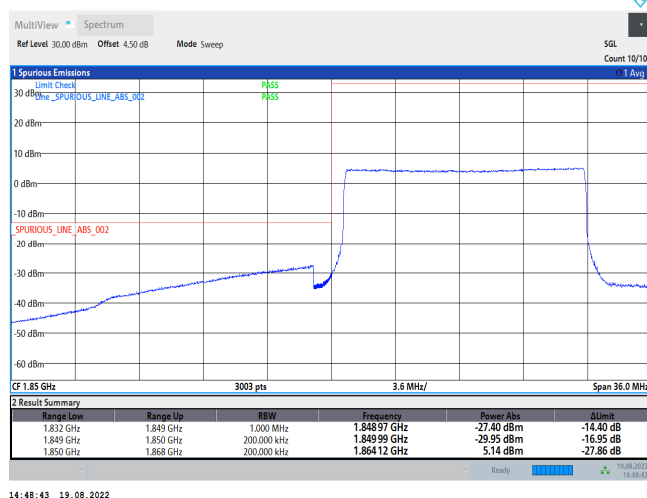
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Band2-15MHz-QPSK-18675-1RB#0



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



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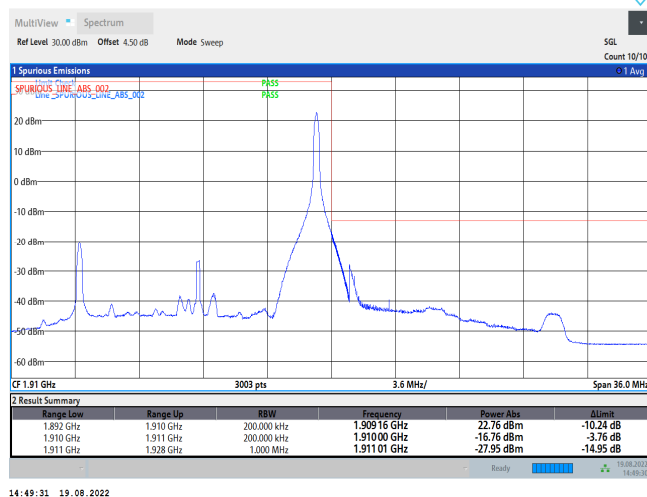
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Band2-15MHz-QPSK-19125-1RB#74



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



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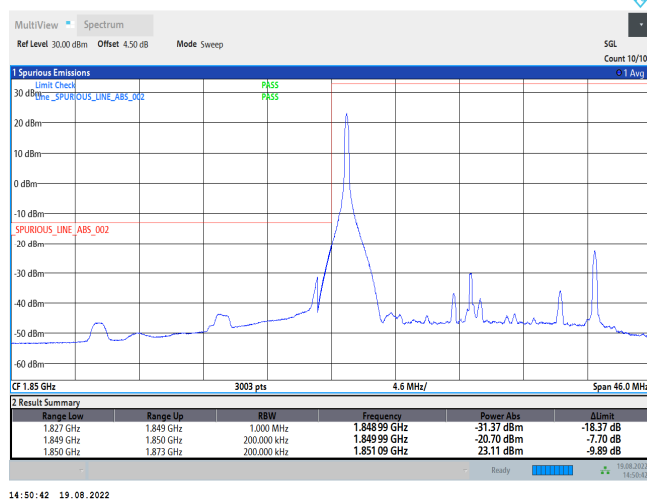
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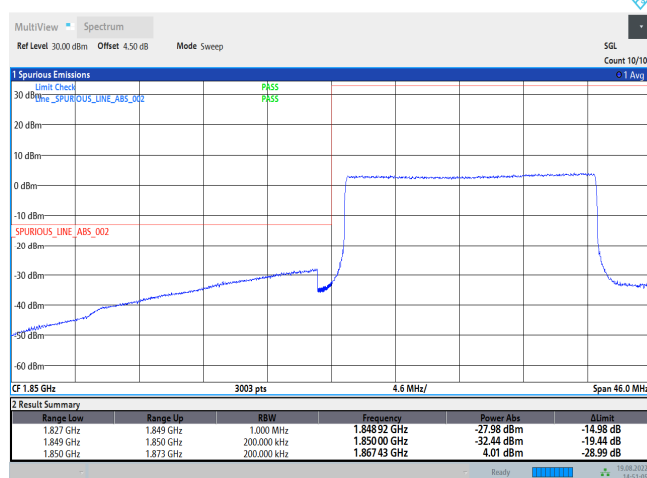
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Band2-20MHz-QPSK-18700-1RB#0



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



14:51:05 19.08.2022



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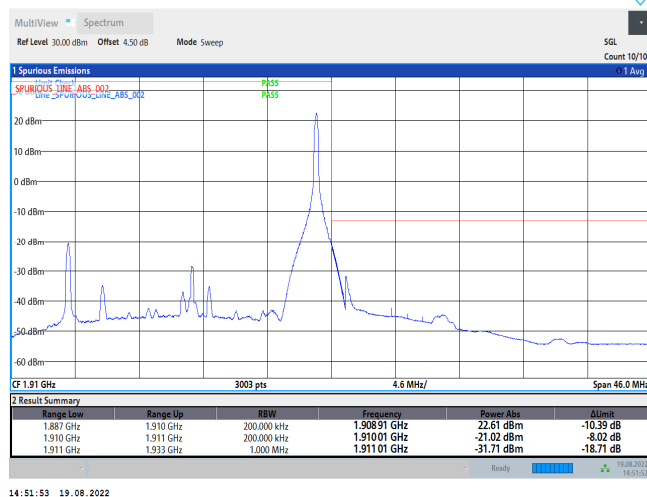
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Band2-20MHz-QPSK-19100-1RB#99



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



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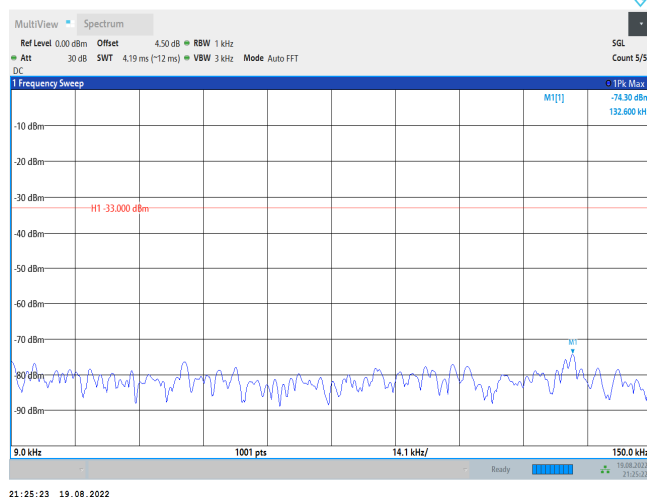
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Conducted Spurious Emission

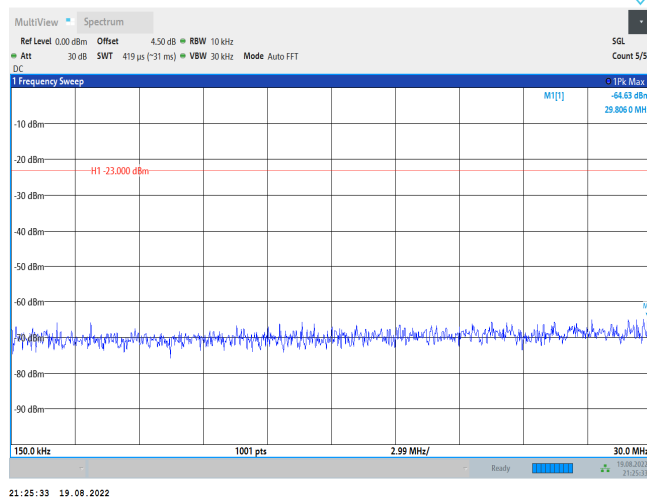
Test Graphs

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



21:25:23 19.08.2022

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



21:25:33 19.08.2022



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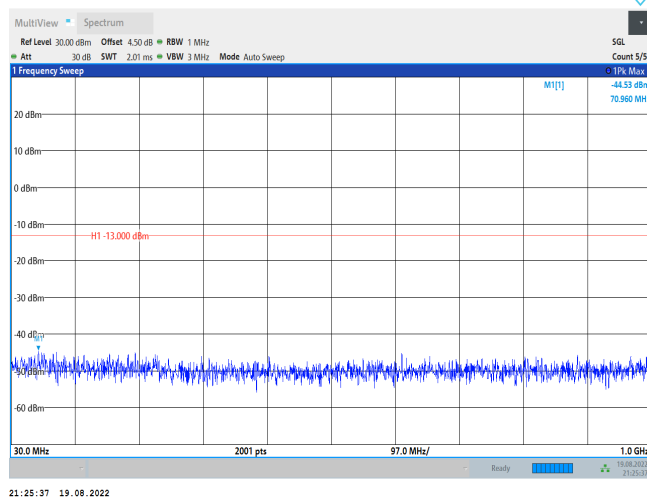
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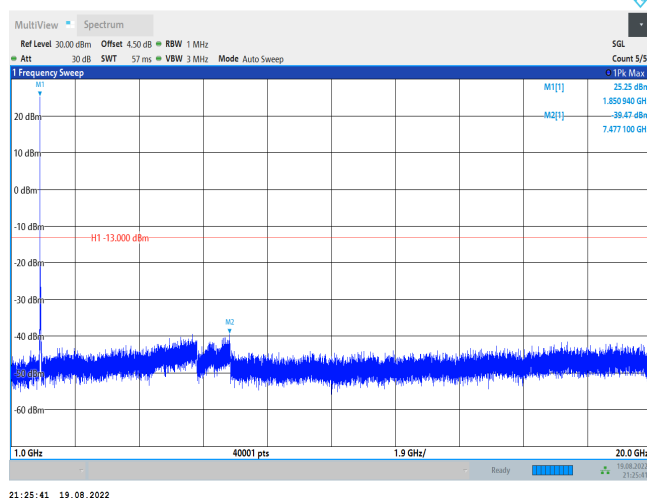
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Band2-20MHz-QPSK-18700-1RB#0-Range3:30~1000MHz



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



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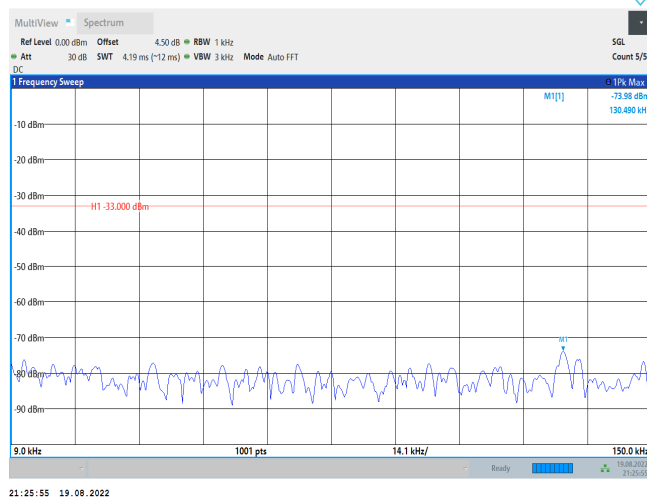
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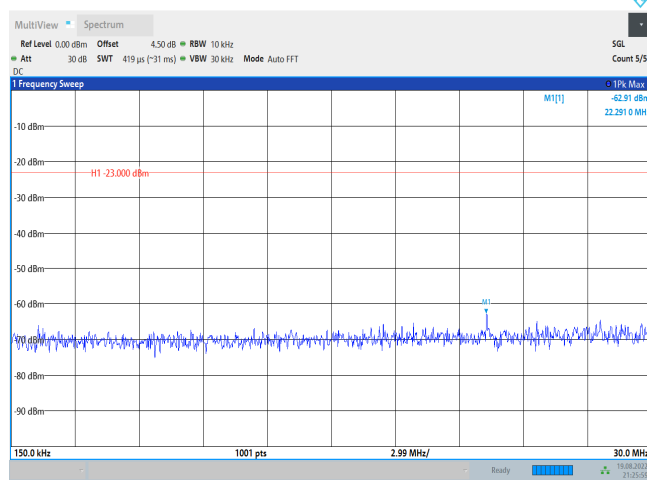
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Band2-20MHz-QPSK-18900-1RB#0-Range1:0.009~0.15MHz



21:25:55 19.08.2022

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



21:25:59 19.08.2022



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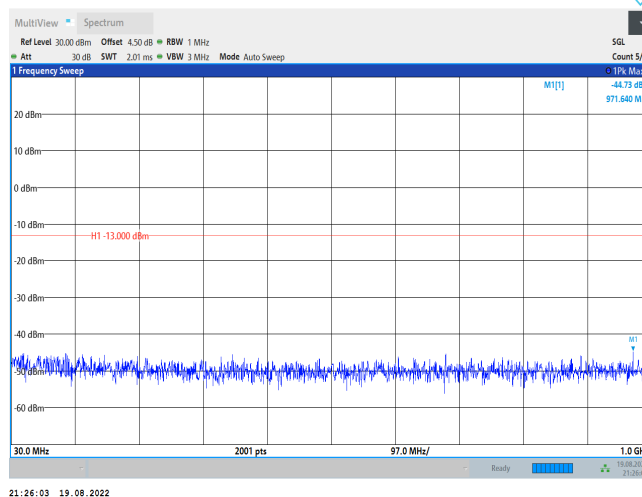
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t (86-512) 62992980 sgs.china@sgs.com

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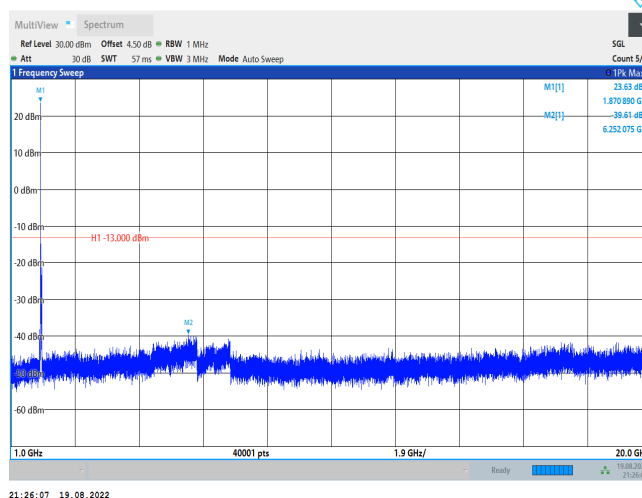
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Band2-20MHz-QPSK-18900-1RB#0-Range3:30~1000MHz



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



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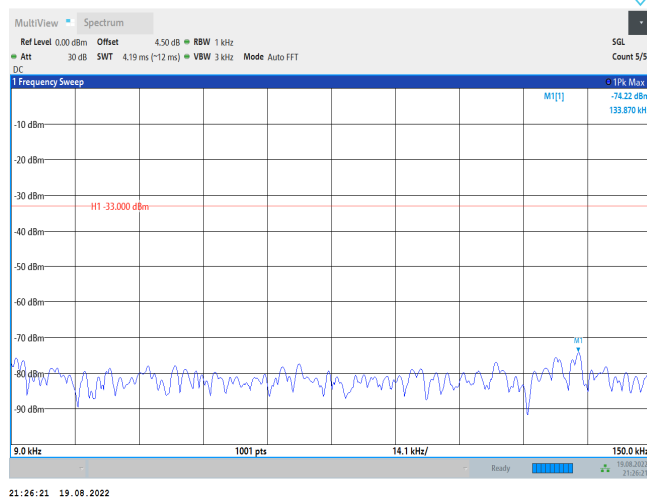
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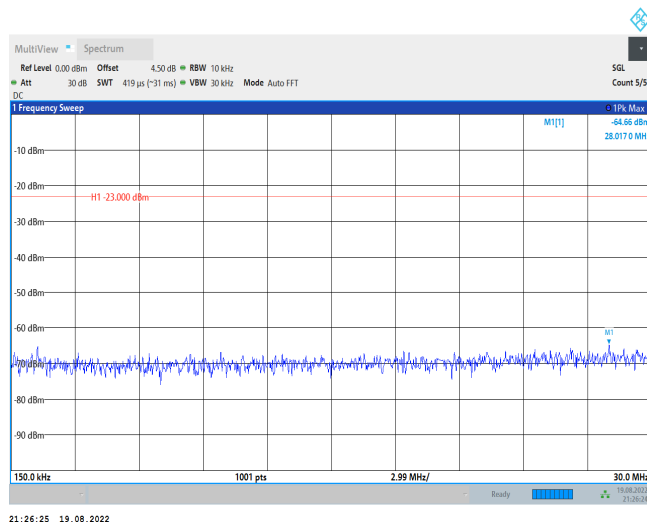
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Band2-20MHz-QPSK-19100-1RB#0-Range1:0.009~0.15MHz



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



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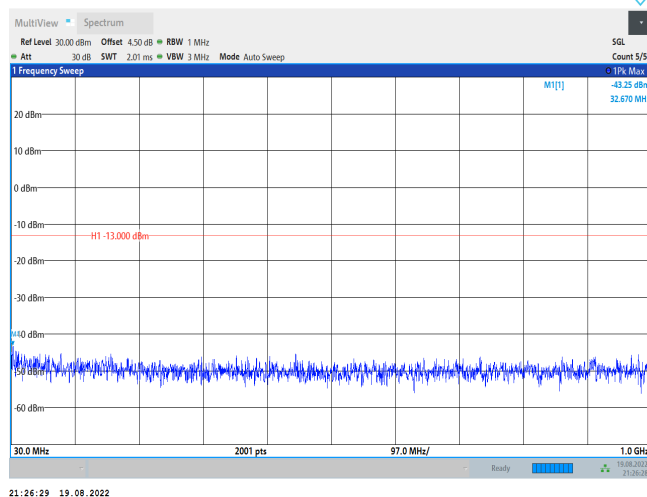
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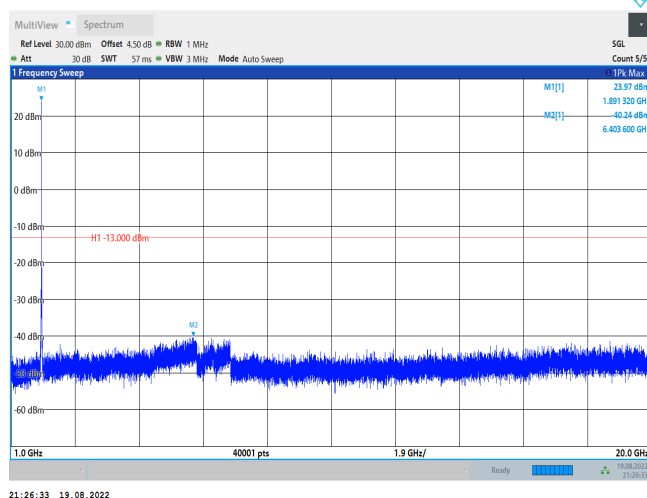
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Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



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	58.29	-45.51	29.98	-52.50	-13.00	39.50	111	259	Horizontal
2	5553.2700	48.49	-45.15	32.97	-58.95	-13.00	45.95	154	166	Horizontal
3	7404.3600	45.61	-43.40	36.49	-56.56	-13.00	43.56	172	273	Horizontal
4	9255.4500	38.41	-40.23	38.38	-58.70	-13.00	45.70	223	359	Horizontal
5	11106.5400	33.84	-37.93	39.09	-60.26	-13.00	47.26	203	75	Horizontal
6	12957.6300	33.40	-37.24	39.79	-59.31	-13.00	46.31	120	259	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	56.20	-45.51	29.98	-54.59	-13.00	41.59	216	91	Vertical
2	5553.2700	49.22	-45.15	32.97	-58.22	-13.00	45.22	251	274	Vertical
3	7404.3600	46.09	-43.40	36.49	-56.08	-13.00	43.08	145	354	Vertical
4	9255.4500	38.78	-40.23	38.38	-58.33	-13.00	45.33	185	358	Vertical
5	11106.5400	33.06	-37.93	39.09	-61.04	-13.00	48.04	196	302	Vertical
6	12957.6300	33.15	-37.24	39.79	-59.56	-13.00	46.56	231	74	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	55.58	-45.68	30.12	-55.24	-13.00	42.24	126	245	Horizontal
2	5613.2700	48.61	-45.04	33.07	-58.62	-13.00	45.62	151	359	Horizontal
3	7484.3600	46.08	-43.18	36.45	-55.91	-13.00	42.91	142	259	Horizontal
4	9355.4500	40.35	-40.00	38.46	-56.46	-13.00	43.46	186	169	Horizontal
5	11226.5400	35.26	-37.40	39.11	-58.29	-13.00	45.29	191	45	Horizontal
6	13097.6300	33.59	-37.01	39.87	-58.80	-13.00	45.80	135	214	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	53.66	-45.68	30.12	-57.16	-13.00	44.16	215	230	Vertical
2	5613.2700	48.49	-45.04	33.07	-58.74	-13.00	45.74	222	275	Vertical
3	7484.3600	45.20	-43.18	36.45	-56.79	-13.00	43.79	233	359	Vertical
4	9355.4500	40.18	-40.00	38.46	-56.63	-13.00	43.63	230	44	Vertical
5	11226.5400	35.85	-37.40	39.11	-57.70	-13.00	44.70	191	75	Vertical
6	13097.6300	32.32	-37.01	39.87	-60.07	-13.00	47.07	178	320	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	58.36	-45.85	30.27	-52.48	-13.00	39.48	213	166	Horizontal
2	5673.2700	49.32	-44.91	33.29	-57.56	-13.00	44.56	236	166	Horizontal
3	7564.3600	45.63	-43.00	36.41	-56.23	-13.00	43.23	261	288	Horizontal
4	9455.4500	42.53	-40.05	38.48	-54.31	-13.00	41.31	155	152	Horizontal
5	11346.5400	35.26	-37.40	39.11	-58.29	-13.00	45.29	142	166	Horizontal
6	13237.6300	32.44	-37.08	39.96	-59.93	-13.00	46.93	178	346	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	54.08	-45.85	30.27	-56.76	-13.00	43.76	215	245	Vertical
2	5673.2700	47.89	-44.91	33.29	-58.99	-13.00	45.99	261	122	Vertical
3	7564.3600	45.15	-43.00	36.41	-56.71	-13.00	43.71	200	48	Vertical
4	9455.4500	41.09	-40.05	38.48	-55.75	-13.00	42.75	136	360	Vertical
5	11346.5400	36.85	-37.40	39.11	-56.70	-13.00	43.70	216	336	Vertical
6	13237.6300	33.48	-37.08	39.96	-58.89	-13.00	45.89	192	139	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	-11.10	-0.005904	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-15.00	-0.007979	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-12.20	-0.006489	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-16.60	-0.008830	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-4.80	-0.002553	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-5.30	-0.002819	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-0.50	-0.000266	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-10.50	-0.005585	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-3.30	-0.001755	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-0.80	-0.000426	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-3.00	-0.001596	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-6.80	-0.003617	PASS

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