



Report No.: SEWM2209000168RG01

Rev.: 01

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Appendix B.5

LTE Band 5



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratory

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Effective (Isotropic) Radiated Power Output Data

Test Result

ANT0:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	24.48	12.66	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.46	12.64	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.36	12.54	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.64	11.82	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	24.32	12.5	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.24	12.42	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	24.23	12.41	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.67	11.85	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.22	12.4	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.32	12.5	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	24.48	12.66	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.55	11.73	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.78	11.96	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.82	12	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.97	12.15	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.74	10.92	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.82	12	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	24	12.18	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.96	12.14	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.74	10.92	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.69	11.87	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.71	11.89	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.83	12.01	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.59	10.77	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	22.87	11.05	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	23.1	11.28	38.45	PASS



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Band5	1.4MHz	64QAM	20407	1RB#5	22.95	11.13	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	21.79	9.97	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	22.89	11.07	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	23.06	11.24	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	22.96	11.14	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	21.73	9.91	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	22.86	11.04	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	22.94	11.12	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	22.71	10.89	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	21.67	9.85	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#0	19.82	8	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#2	19.83	8.01	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#5	19.9	8.08	38.45	PASS
Band5	1.4MHz	256QAM	20407	6RB#0	19.63	7.81	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#0	19.82	8	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#2	20.02	8.2	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#5	19.97	8.15	38.45	PASS
Band5	1.4MHz	256QAM	20525	6RB#0	19.56	7.74	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#0	19.66	7.84	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#2	19.77	7.95	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#5	19.7	7.88	38.45	PASS
Band5	1.4MHz	256QAM	20643	6RB#0	19.6	7.78	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	24.44	12.62	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	24.32	12.5	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	24.38	12.56	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.79	11.97	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.36	12.54	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.45	12.63	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.25	12.43	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.8	11.98	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	24.23	12.41	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.12	12.3	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	24.33	12.51	38.45	PASS



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Band5	3MHz	QPSK	20635	15RB#0	23.63	11.81	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	24.28	12.46	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.95	12.13	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	24.15	12.33	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.82	11	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	24.06	12.24	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	24.11	12.29	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	24.15	12.33	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.78	10.96	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.64	11.82	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	24	12.18	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.86	12.04	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.58	10.76	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	22.81	10.99	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	22.97	11.15	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	23.04	11.22	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	21.77	9.95	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	22.89	11.07	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	23.05	11.23	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	22.84	11.02	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	21.85	10.03	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	22.81	10.99	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	22.83	11.01	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	22.89	11.07	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	21.66	9.84	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#0	19.87	8.05	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#8	19.91	8.09	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#14	19.82	8	38.45	PASS
Band5	3MHz	256QAM	20415	15RB#0	19.76	7.94	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#0	19.7	7.88	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#8	19.96	8.14	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#14	20.04	8.22	38.45	PASS
Band5	3MHz	256QAM	20525	15RB#0	19.79	7.97	38.45	PASS



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Band5	3MHz	256QAM	20635	1RB#0	19.79	7.97	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#8	19.61	7.79	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#14	19.67	7.85	38.45	PASS
Band5	3MHz	256QAM	20635	15RB#0	19.6	7.78	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.25	12.43	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.36	12.54	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.42	12.6	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.87	12.05	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.33	12.51	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.36	12.54	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.12	12.3	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.71	11.89	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	24.41	12.59	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.49	12.67	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	24.33	12.51	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.73	11.91	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	24.07	12.25	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.88	12.06	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	24.11	12.29	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.91	11.09	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	24.13	12.31	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	24.09	12.27	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	24.2	12.38	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.82	11	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	24.02	12.2	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.96	12.14	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.87	12.05	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.7	10.88	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	22.86	11.04	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	23.03	11.21	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	23.15	11.33	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	21.88	10.06	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	22.93	11.11	38.45	PASS



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Band5	5MHz	64QAM	20525	1RB#12	22.97	11.15	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	23.09	11.27	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	21.79	9.97	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	22.75	10.93	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	22.79	10.97	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	22.66	10.84	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	21.76	9.94	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#0	19.76	7.94	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#12	19.87	8.05	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#24	19.8	7.98	38.45	PASS
Band5	5MHz	256QAM	20425	25RB#0	19.87	8.05	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#0	19.89	8.07	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#12	19.98	8.16	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#24	19.92	8.1	38.45	PASS
Band5	5MHz	256QAM	20525	25RB#0	19.75	7.93	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#0	19.86	8.04	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#12	19.93	8.11	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#24	19.76	7.94	38.45	PASS
Band5	5MHz	256QAM	20625	25RB#0	19.75	7.93	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.45	12.63	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	24.23	12.41	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	24.42	12.6	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.89	12.07	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.23	12.41	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.16	12.34	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.22	12.4	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.84	12.02	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.12	12.3	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.21	12.39	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	24.21	12.39	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.7	11.88	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.99	12.17	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.98	12.16	38.45	PASS



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Band5	10MHz	16QAM	20450	1RB#49	24.03	12.21	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.9	11.08	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.96	12.14	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	24.04	12.22	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.78	11.96	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.74	10.92	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.85	12.03	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	24.09	12.27	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.72	11.9	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.8	10.98	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	23.04	11.22	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	22.83	11.01	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	22.91	11.09	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	21.97	10.15	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	23.03	11.21	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	23.07	11.25	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	22.86	11.04	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	21.86	10.04	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	22.95	11.13	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	22.97	11.15	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	22.9	11.08	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	21.75	9.93	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#0	19.78	7.96	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#24	19.78	7.96	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#49	19.75	7.93	38.45	PASS
Band5	10MHz	256QAM	20450	50RB#0	19.79	7.97	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#0	19.85	8.03	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#24	20	8.18	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#49	19.81	7.99	38.45	PASS
Band5	10MHz	256QAM	20525	50RB#0	19.85	8.03	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#0	19.81	7.99	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#24	19.72	7.9	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#49	19.71	7.89	38.45	PASS



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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratory

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Band5	10MHz	256QAM	20600	50RB#0	19.76	7.94	38.45	PASS
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ANT1:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	V
and5	1.4MHz	QPSK	20407	1RB#0	24.24	15.29	38.45	P
and5	1.4MHz	QPSK	20407	1RB#2	24.22	15.27	38.45	P
and5	1.4MHz	QPSK	20407	1RB#5	24.12	15.17	38.45	P
and5	1.4MHz	QPSK	20407	6RB#0	23.40	14.45	38.45	P
and5	1.4MHz	QPSK	20525	1RB#0	24.08	15.13	38.45	P
and5	1.4MHz	QPSK	20525	1RB#2	24.00	15.05	38.45	P
and5	1.4MHz	QPSK	20525	1RB#5	23.99	15.04	38.45	P
and5	1.4MHz	QPSK	20525	6RB#0	23.43	14.48	38.45	P
and5	1.4MHz	QPSK	20643	1RB#0	23.98	15.03	38.45	P
and5	1.4MHz	QPSK	20643	1RB#2	24.08	15.13	38.45	P
and5	1.4MHz	QPSK	20643	1RB#5	24.24	15.29	38.45	P
and5	1.4MHz	QPSK	20643	6RB#0	23.31	14.36	38.45	P
and5	1.4MHz	16QAM	20407	1RB#0	23.54	14.59	38.45	P
and5	1.4MHz	16QAM	20407	1RB#2	23.58	14.63	38.45	P
and5	1.4MHz	16QAM	20407	1RB#5	23.73	14.78	38.45	P
and5	1.4MHz	16QAM	20407	6RB#0	22.51	13.56	38.45	P
and5	1.4MHz	16QAM	20525	1RB#0	23.58	14.63	38.45	P
and5	1.4MHz	16QAM	20525	1RB#2	23.76	14.81	38.45	P
and5	1.4MHz	16QAM	20525	1RB#5	23.72	14.77	38.45	P
and5	1.4MHz	16QAM	20525	6RB#0	22.51	13.56	38.45	P
and5	1.4MHz	16QAM	20643	1RB#0	23.45	14.50	38.45	P
and5	1.4MHz	16QAM	20643	1RB#2	23.47	14.52	38.45	P
and5	1.4MHz	16QAM	20643	1RB#5	23.59	14.64	38.45	P
and5	1.4MHz	16QAM	20643	6RB#0	22.36	13.41	38.45	P
and5	1.4MHz	64QAM	20407	1RB#0	22.64	13.69	38.45	P
and5	1.4MHz	64QAM	20407	1RB#2	22.87	13.92	38.45	P
and5	1.4MHz	64QAM	20407	1RB#5	22.72	13.77	38.45	P
and5	1.4MHz	64QAM	20407	6RB#0	21.57	12.62	38.45	P
and5	1.4MHz	64QAM	20525	1RB#0	22.66	13.71	38.45	P
and5	1.4MHz	64QAM	20525	1RB#2	22.83	13.88	38.45	P
and5	1.4MHz	64QAM	20525	1RB#5	22.73	13.78	38.45	P



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and5	1.4MHz	64QAM	20525	6RB#0	21.51	12.56	38.45	P
and5	1.4MHz	64QAM	20643	1RB#0	22.63	13.68	38.45	P
and5	1.4MHz	64QAM	20643	1RB#2	22.71	13.76	38.45	P
and5	1.4MHz	64QAM	20643	1RB#5	22.48	13.53	38.45	P
and5	1.4MHz	64QAM	20643	6RB#0	21.45	12.50	38.45	P
and5	1.4MHz	256QAM	20407	1RB#0	19.62	10.67	38.45	P
and5	1.4MHz	256QAM	20407	1RB#2	19.63	10.68	38.45	P
and5	1.4MHz	256QAM	20407	1RB#5	19.70	10.75	38.45	P
and5	1.4MHz	256QAM	20407	6RB#0	19.43	10.48	38.45	P
and5	1.4MHz	256QAM	20525	1RB#0	19.62	10.67	38.45	P
and5	1.4MHz	256QAM	20525	1RB#2	19.82	10.87	38.45	P
and5	1.4MHz	256QAM	20525	1RB#5	19.77	10.82	38.45	P
and5	1.4MHz	256QAM	20525	6RB#0	19.36	10.41	38.45	P
and5	1.4MHz	256QAM	20643	1RB#0	19.46	10.51	38.45	P
and5	1.4MHz	256QAM	20643	1RB#2	19.57	10.62	38.45	P
and5	1.4MHz	256QAM	20643	1RB#5	19.50	10.55	38.45	P
and5	1.4MHz	256QAM	20643	6RB#0	19.40	10.45	38.45	P
and5	3MHz	QPSK	20415	1RB#0	24.20	15.25	38.45	P
and5	3MHz	QPSK	20415	1RB#8	24.08	15.13	38.45	P
and5	3MHz	QPSK	20415	1RB#14	24.14	15.19	38.45	P
and5	3MHz	QPSK	20415	15RB#0	23.55	14.60	38.45	P
and5	3MHz	QPSK	20525	1RB#0	24.12	15.17	38.45	P
and5	3MHz	QPSK	20525	1RB#8	24.21	15.26	38.45	P
and5	3MHz	QPSK	20525	1RB#14	24.01	15.06	38.45	P
and5	3MHz	QPSK	20525	15RB#0	23.56	14.61	38.45	P
and5	3MHz	QPSK	20635	1RB#0	23.99	15.04	38.45	P
and5	3MHz	QPSK	20635	1RB#8	23.88	14.93	38.45	P
and5	3MHz	QPSK	20635	1RB#14	24.09	15.14	38.45	P
and5	3MHz	QPSK	20635	15RB#0	23.39	14.44	38.45	P
and5	3MHz	16QAM	20415	1RB#0	24.04	15.09	38.45	P
and5	3MHz	16QAM	20415	1RB#8	23.71	14.76	38.45	P
and5	3MHz	16QAM	20415	1RB#14	23.91	14.96	38.45	P
and5	3MHz	16QAM	20415	15RB#0	22.59	13.64	38.45	P



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and5	3MHz	16QAM	20525	1RB#0	23.82	14.87	38.45	P
and5	3MHz	16QAM	20525	1RB#8	23.87	14.92	38.45	P
and5	3MHz	16QAM	20525	1RB#14	23.91	14.96	38.45	P
and5	3MHz	16QAM	20525	15RB#0	22.55	13.60	38.45	P
and5	3MHz	16QAM	20635	1RB#0	23.40	14.45	38.45	P
and5	3MHz	16QAM	20635	1RB#8	23.76	14.81	38.45	P
and5	3MHz	16QAM	20635	1RB#14	23.62	14.67	38.45	P
and5	3MHz	16QAM	20635	15RB#0	22.35	13.40	38.45	P
and5	3MHz	64QAM	20415	1RB#0	22.58	13.63	38.45	P
and5	3MHz	64QAM	20415	1RB#8	22.74	13.79	38.45	P
and5	3MHz	64QAM	20415	1RB#14	22.81	13.86	38.45	P
and5	3MHz	64QAM	20415	15RB#0	21.55	12.60	38.45	P
and5	3MHz	64QAM	20525	1RB#0	22.66	13.71	38.45	P
and5	3MHz	64QAM	20525	1RB#8	22.82	13.87	38.45	P
and5	3MHz	64QAM	20525	1RB#14	22.61	13.66	38.45	P
and5	3MHz	64QAM	20525	15RB#0	21.63	12.68	38.45	P
and5	3MHz	64QAM	20635	1RB#0	22.58	13.63	38.45	P
and5	3MHz	64QAM	20635	1RB#8	22.60	13.65	38.45	P
and5	3MHz	64QAM	20635	1RB#14	22.66	13.71	38.45	P
and5	3MHz	64QAM	20635	15RB#0	21.44	12.49	38.45	P
and5	3MHz	256QAM	20415	1RB#0	19.67	10.72	38.45	P
and5	3MHz	256QAM	20415	1RB#8	19.71	10.76	38.45	P
and5	3MHz	256QAM	20415	1RB#14	19.62	10.67	38.45	P
and5	3MHz	256QAM	20415	15RB#0	19.56	10.61	38.45	P
and5	3MHz	256QAM	20525	1RB#0	19.50	10.55	38.45	P
and5	3MHz	256QAM	20525	1RB#8	19.76	10.81	38.45	P
and5	3MHz	256QAM	20525	1RB#14	19.84	10.89	38.45	P
and5	3MHz	256QAM	20525	15RB#0	19.59	10.64	38.45	P
and5	3MHz	256QAM	20635	1RB#0	19.59	10.64	38.45	P
and5	3MHz	256QAM	20635	1RB#8	19.41	10.46	38.45	P
and5	3MHz	256QAM	20635	1RB#14	19.47	10.52	38.45	P
and5	3MHz	256QAM	20635	15RB#0	19.40	10.45	38.45	P
and5	5MHz	QPSK	20425	1RB#0	24.01	15.06	38.45	P



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and5	5MHz	QPSK	20425	1RB#12	24.12	15.17	38.45	P
and5	5MHz	QPSK	20425	1RB#24	24.18	15.23	38.45	P
and5	5MHz	QPSK	20425	25RB#0	23.63	14.68	38.45	P
and5	5MHz	QPSK	20525	1RB#0	24.09	15.14	38.45	P
and5	5MHz	QPSK	20525	1RB#12	24.12	15.17	38.45	P
and5	5MHz	QPSK	20525	1RB#24	23.88	14.93	38.45	P
and5	5MHz	QPSK	20525	25RB#0	23.47	14.52	38.45	P
and5	5MHz	QPSK	20625	1RB#0	24.17	15.22	38.45	P
and5	5MHz	QPSK	20625	1RB#12	24.25	15.30	38.45	P
and5	5MHz	QPSK	20625	1RB#24	24.09	15.14	38.45	P
and5	5MHz	QPSK	20625	25RB#0	23.49	14.54	38.45	P
and5	5MHz	16QAM	20425	1RB#0	23.83	14.88	38.45	P
and5	5MHz	16QAM	20425	1RB#12	23.64	14.69	38.45	P
and5	5MHz	16QAM	20425	1RB#24	23.87	14.92	38.45	P
and5	5MHz	16QAM	20425	25RB#0	22.68	13.73	38.45	P
and5	5MHz	16QAM	20525	1RB#0	23.89	14.94	38.45	P
and5	5MHz	16QAM	20525	1RB#12	23.85	14.90	38.45	P
and5	5MHz	16QAM	20525	1RB#24	23.96	15.01	38.45	P
and5	5MHz	16QAM	20525	25RB#0	22.59	13.64	38.45	P
and5	5MHz	16QAM	20625	1RB#0	23.78	14.83	38.45	P
and5	5MHz	16QAM	20625	1RB#12	23.72	14.77	38.45	P
and5	5MHz	16QAM	20625	1RB#24	23.63	14.68	38.45	P
and5	5MHz	16QAM	20625	25RB#0	22.47	13.52	38.45	P
and5	5MHz	64QAM	20425	1RB#0	22.63	13.68	38.45	P
and5	5MHz	64QAM	20425	1RB#12	22.80	13.85	38.45	P
and5	5MHz	64QAM	20425	1RB#24	22.92	13.97	38.45	P
and5	5MHz	64QAM	20425	25RB#0	21.66	12.71	38.45	P
and5	5MHz	64QAM	20525	1RB#0	22.70	13.75	38.45	P
and5	5MHz	64QAM	20525	1RB#12	22.74	13.79	38.45	P
and5	5MHz	64QAM	20525	1RB#24	22.86	13.91	38.45	P
and5	5MHz	64QAM	20525	25RB#0	21.57	12.62	38.45	P
and5	5MHz	64QAM	20625	1RB#0	22.52	13.57	38.45	P
and5	5MHz	64QAM	20625	1RB#12	22.56	13.61	38.45	P



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and5	5MHz	64QAM	20625	1RB#24	22.43	13.48	38.45	P
and5	5MHz	64QAM	20625	25RB#0	21.54	12.59	38.45	P
and5	5MHz	256QAM	20425	1RB#0	19.56	10.61	38.45	P
and5	5MHz	256QAM	20425	1RB#12	19.67	10.72	38.45	P
and5	5MHz	256QAM	20425	1RB#24	19.60	10.65	38.45	P
and5	5MHz	256QAM	20425	25RB#0	19.67	10.72	38.45	P
and5	5MHz	256QAM	20525	1RB#0	19.69	10.74	38.45	P
and5	5MHz	256QAM	20525	1RB#12	19.78	10.83	38.45	P
and5	5MHz	256QAM	20525	1RB#24	19.72	10.77	38.45	P
and5	5MHz	256QAM	20525	25RB#0	19.55	10.60	38.45	P
and5	5MHz	256QAM	20625	1RB#0	19.66	10.71	38.45	P
and5	5MHz	256QAM	20625	1RB#12	19.73	10.78	38.45	P
and5	5MHz	256QAM	20625	1RB#24	19.56	10.61	38.45	P
and5	5MHz	256QAM	20625	25RB#0	19.55	10.60	38.45	P
and5	10MHz	QPSK	20450	1RB#0	24.21	15.26	38.45	P
and5	10MHz	QPSK	20450	1RB#24	23.99	15.04	38.45	P
and5	10MHz	QPSK	20450	1RB#49	24.18	15.23	38.45	P
and5	10MHz	QPSK	20450	50RB#0	23.65	14.70	38.45	P
and5	10MHz	QPSK	20525	1RB#0	23.99	15.04	38.45	P
and5	10MHz	QPSK	20525	1RB#24	23.92	14.97	38.45	P
and5	10MHz	QPSK	20525	1RB#49	23.98	15.03	38.45	P
and5	10MHz	QPSK	20525	50RB#0	23.60	14.65	38.45	P
and5	10MHz	QPSK	20600	1RB#0	23.88	14.93	38.45	P
and5	10MHz	QPSK	20600	1RB#24	23.97	15.02	38.45	P
and5	10MHz	QPSK	20600	1RB#49	23.97	15.02	38.45	P
and5	10MHz	QPSK	20600	50RB#0	23.46	14.51	38.45	P
and5	10MHz	16QAM	20450	1RB#0	23.75	14.80	38.45	P
and5	10MHz	16QAM	20450	1RB#24	23.74	14.79	38.45	P
and5	10MHz	16QAM	20450	1RB#49	23.79	14.84	38.45	P
and5	10MHz	16QAM	20450	50RB#0	22.67	13.72	38.45	P
and5	10MHz	16QAM	20525	1RB#0	23.72	14.77	38.45	P
and5	10MHz	16QAM	20525	1RB#24	23.80	14.85	38.45	P
and5	10MHz	16QAM	20525	1RB#49	23.54	14.59	38.45	P



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and5	10MHz	16QAM	20525	50RB#0	22.51	13.56	38.45	P
and5	10MHz	16QAM	20600	1RB#0	23.61	14.66	38.45	P
and5	10MHz	16QAM	20600	1RB#24	23.85	14.90	38.45	P
and5	10MHz	16QAM	20600	1RB#49	23.48	14.53	38.45	P
and5	10MHz	16QAM	20600	50RB#0	22.57	13.62	38.45	P
and5	10MHz	64QAM	20450	1RB#0	22.81	13.86	38.45	P
and5	10MHz	64QAM	20450	1RB#24	22.60	13.65	38.45	P
and5	10MHz	64QAM	20450	1RB#49	22.68	13.73	38.45	P
and5	10MHz	64QAM	20450	50RB#0	21.75	12.80	38.45	P
and5	10MHz	64QAM	20525	1RB#0	22.80	13.85	38.45	P
and5	10MHz	64QAM	20525	1RB#24	22.84	13.89	38.45	P
and5	10MHz	64QAM	20525	1RB#49	22.63	13.68	38.45	P
and5	10MHz	64QAM	20525	50RB#0	21.64	12.69	38.45	P
and5	10MHz	64QAM	20600	1RB#0	22.72	13.77	38.45	P
and5	10MHz	64QAM	20600	1RB#24	22.74	13.79	38.45	P
and5	10MHz	64QAM	20600	1RB#49	22.67	13.72	38.45	P
and5	10MHz	64QAM	20600	50RB#0	21.53	12.58	38.45	P
and5	10MHz	256QAM	20450	1RB#0	19.58	10.63	38.45	P
and5	10MHz	256QAM	20450	1RB#24	19.58	10.63	38.45	P
and5	10MHz	256QAM	20450	1RB#49	19.55	10.60	38.45	P
and5	10MHz	256QAM	20450	50RB#0	19.59	10.64	38.45	P
and5	10MHz	256QAM	20525	1RB#0	19.65	10.70	38.45	P
and5	10MHz	256QAM	20525	1RB#24	19.80	10.85	38.45	P
and5	10MHz	256QAM	20525	1RB#49	19.61	10.66	38.45	P
and5	10MHz	256QAM	20525	50RB#0	19.65	10.70	38.45	P
and5	10MHz	256QAM	20600	1RB#0	19.61	10.66	38.45	P
and5	10MHz	256QAM	20600	1RB#24	19.52	10.57	38.45	P
and5	10MHz	256QAM	20600	1RB#49	19.51	10.56	38.45	P
and5	10MHz	256QAM	20600	50RB#0	19.56	10.61	38.45	P



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	5.16	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.04	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.98	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.06	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.86	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.82	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.68	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.54	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.50	13	PASS
Band5	10MHz	256QAM	20450	50RB#0	6.94	13	PASS
Band5	10MHz	256QAM	20525	50RB#0	6.84	13	PASS
Band5	10MHz	256QAM	20600	50RB#0	6.84	13	PASS



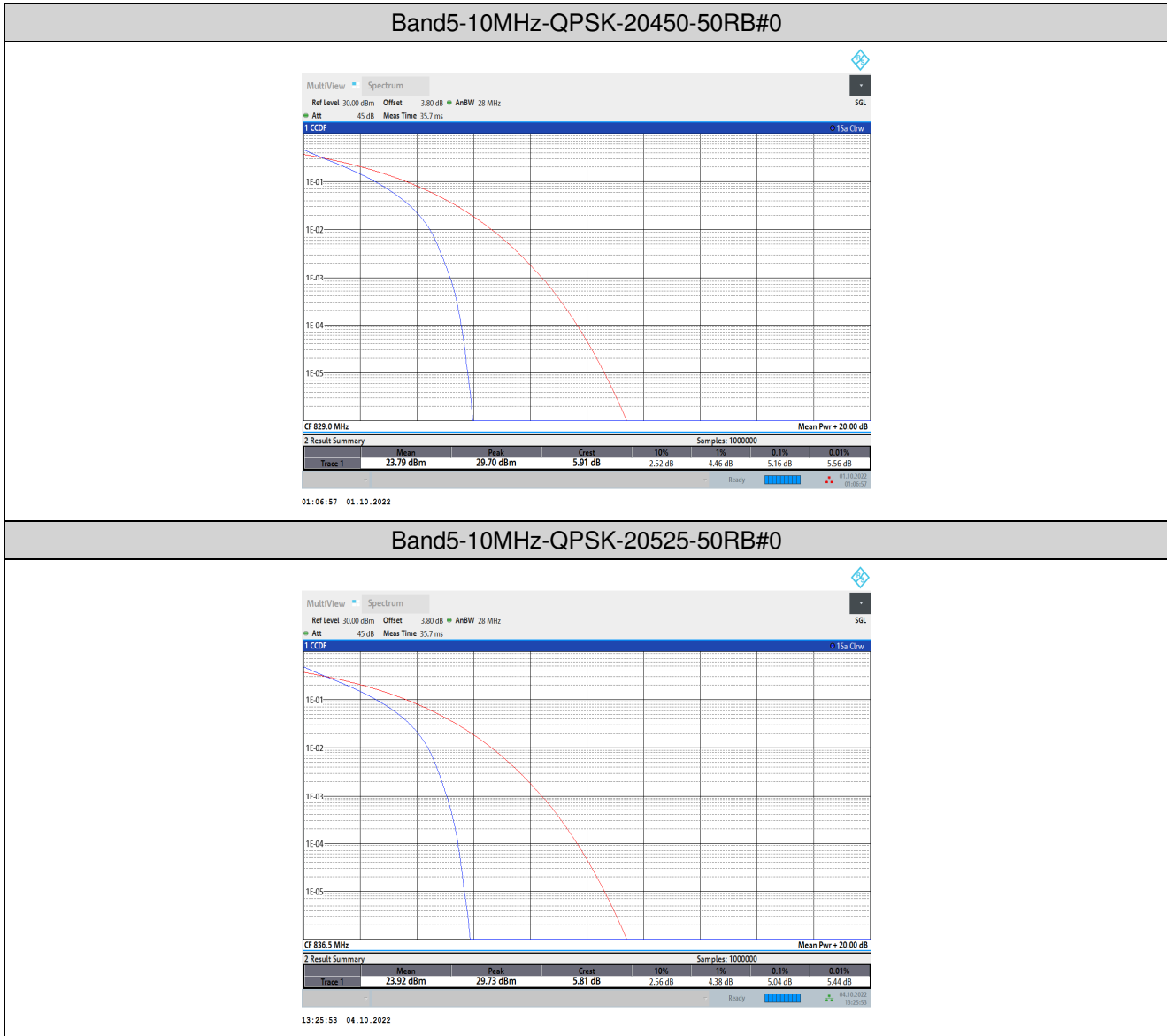
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 Wireless Laboratory

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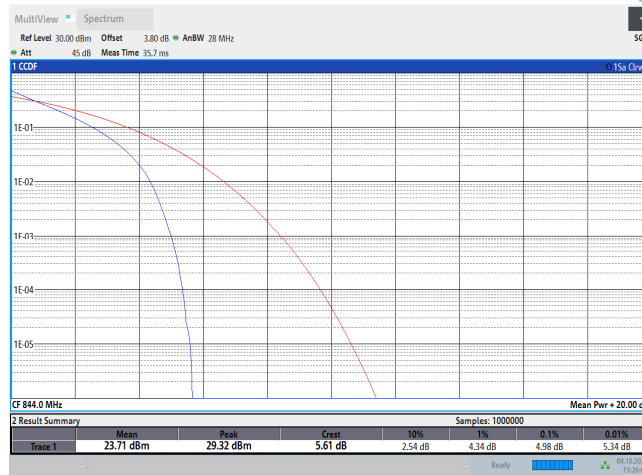
Test Graphs



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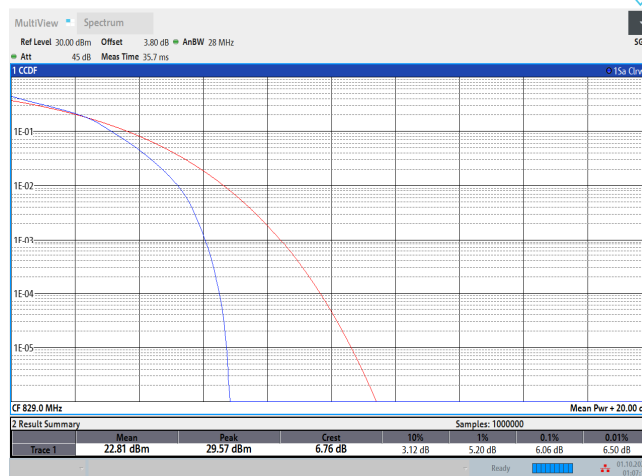
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Band5-10MHz-QPSK-20600-50RB#0



13:26:10 04.10.2022

Band5-10MHz-16QAM-20450-50RB#0



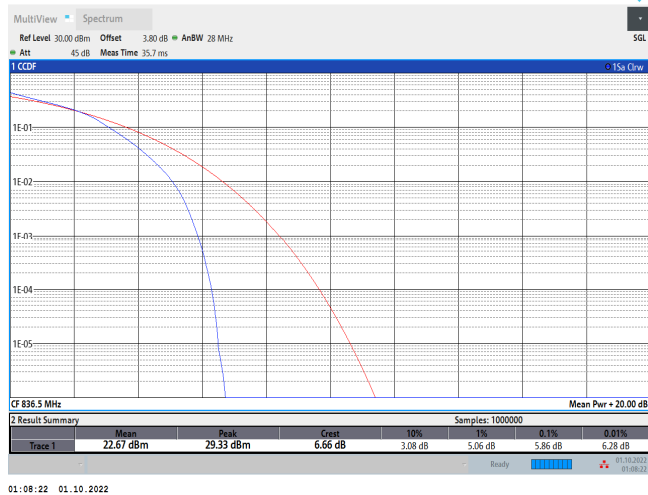
01:07:13 01.10.2022



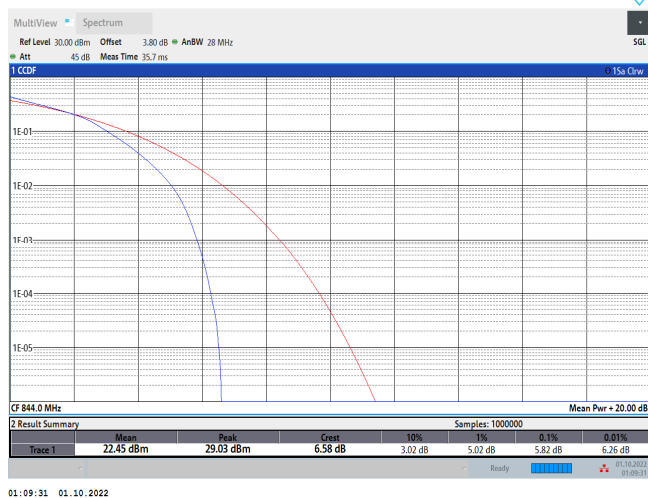
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Band5-10MHz-16QAM-20525-50RB#0



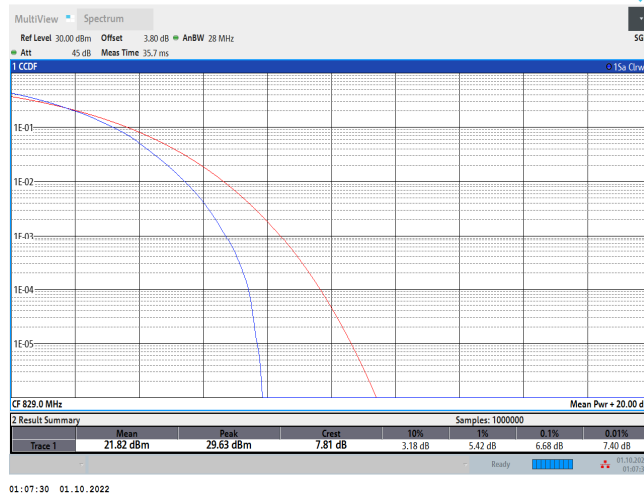
Band5-10MHz-16QAM-20600-50RB#0



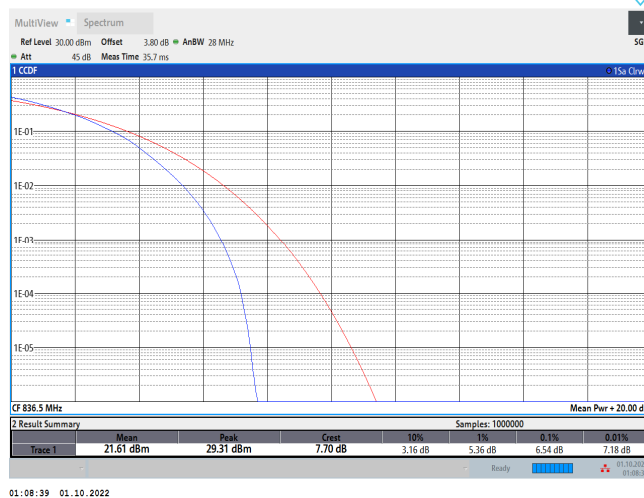
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Band5-10MHz-64QAM-20450-50RB#0



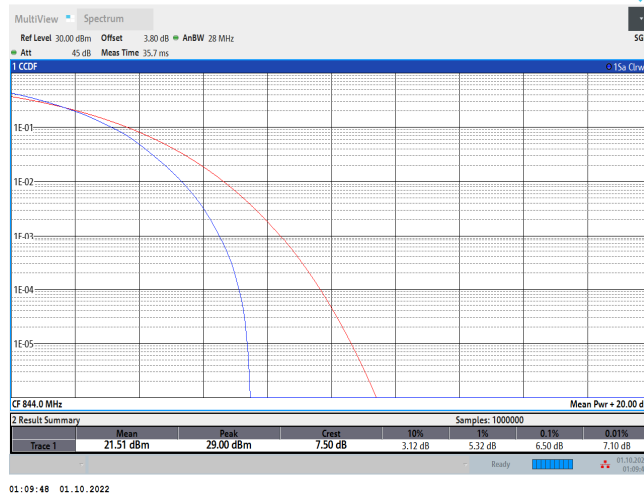
Band5-10MHz-64QAM-20525-50RB#0



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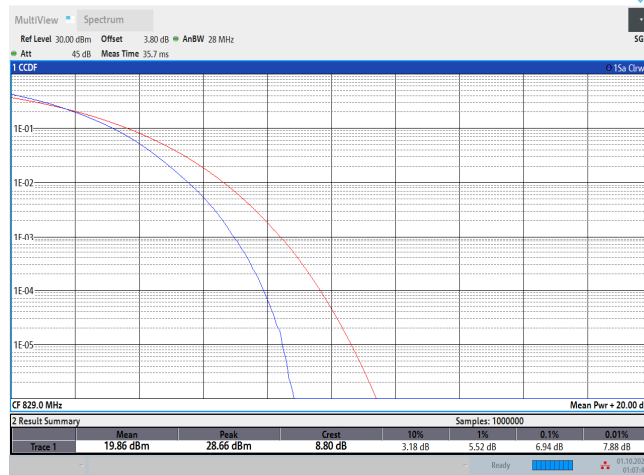
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Band5-10MHz-64QAM-20600-50RB#0



01:09:48 01.10.2022

Band5-10MHz-256QAM-20450-50RB#0

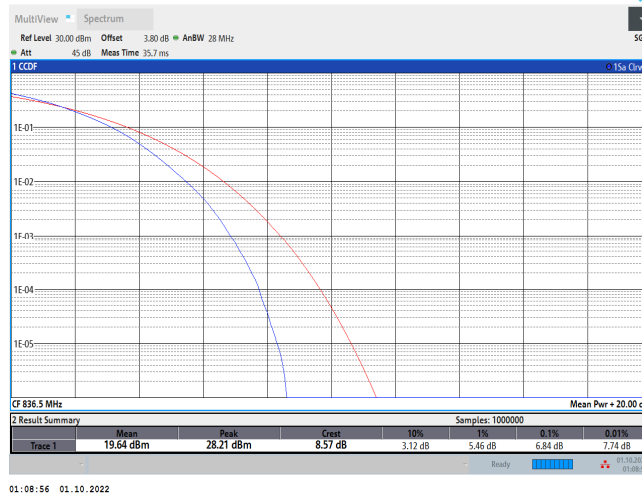


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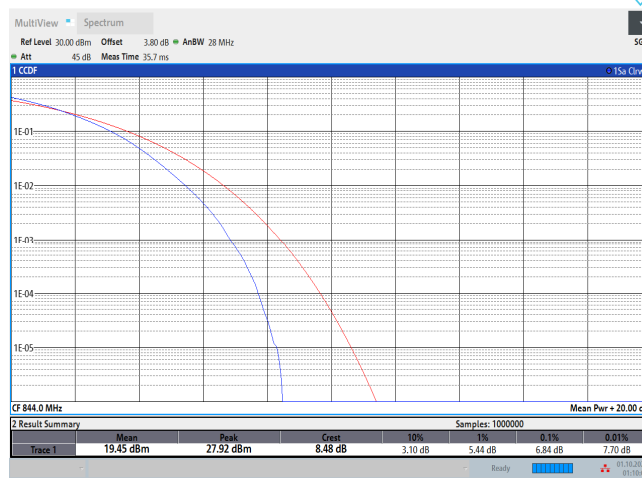
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Band5-10MHz-256QAM-20525-50RB#0



01:08:56 01.10.2022

Band5-10MHz-256QAM-20600-50RB#0



01:10:04 01.10.2022



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Modulation Characteristics

Test Result

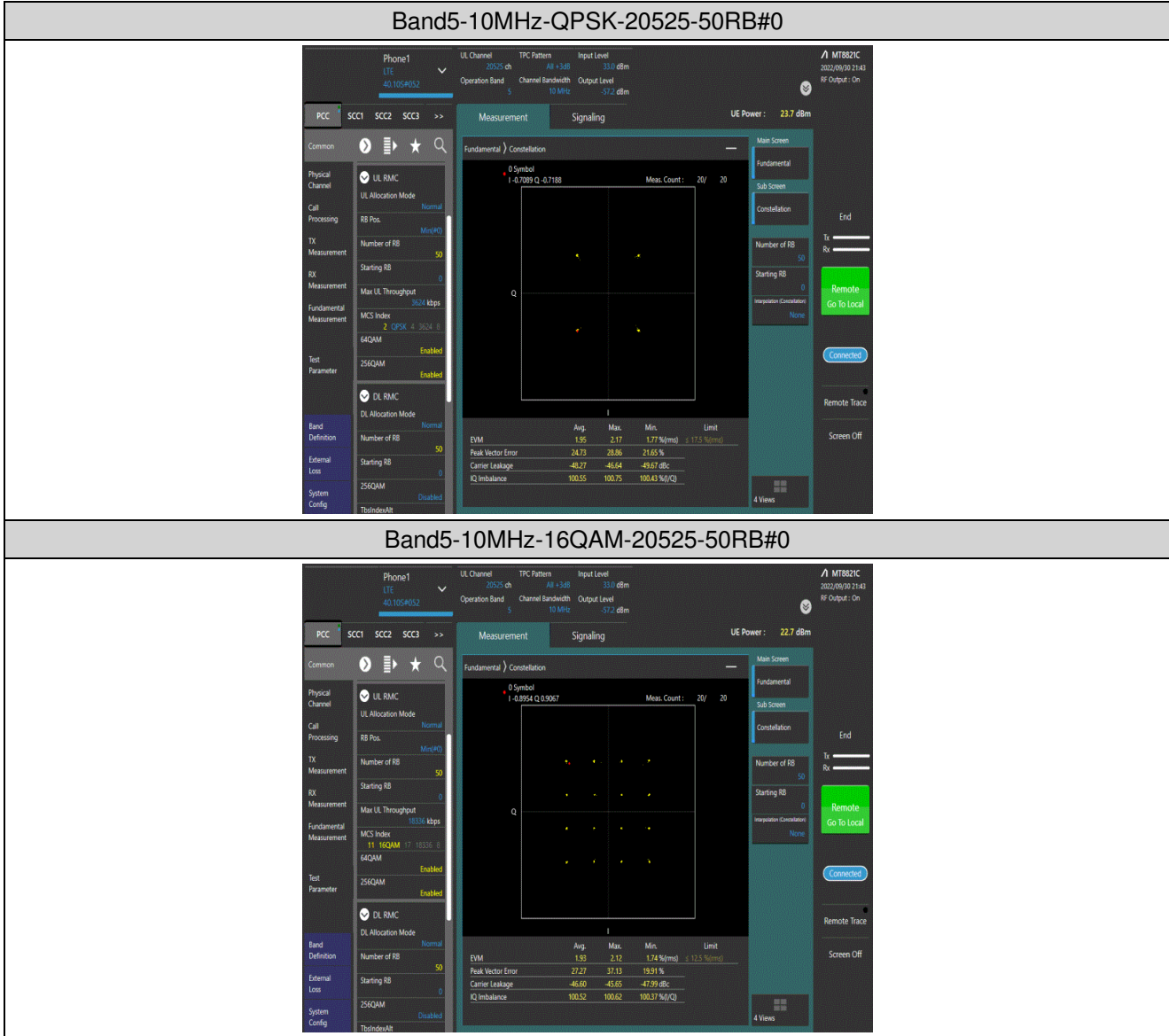
Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band5	10MHz	QPSK	20525	50RB#0	PASS	PASS
Band5	10MHz	16QAM	20525	50RB#0	PASS	PASS
Band5	10MHz	64QAM	20525	50RB#0	PASS	PASS
Band5	10MHz	256QAM	20525	50RB#0	PASS	PASS



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Test Graphs

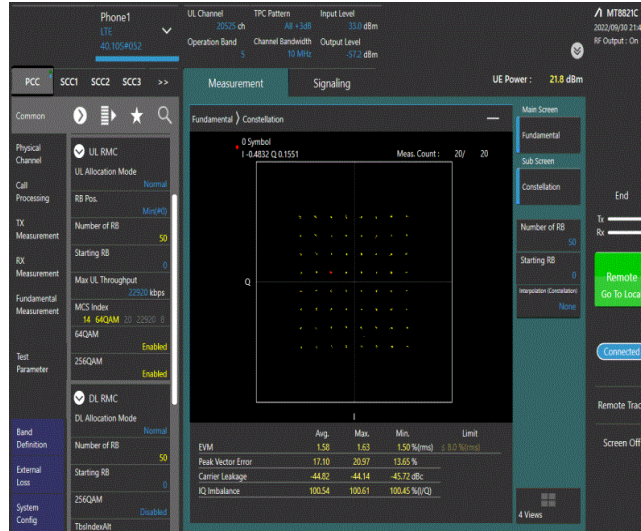


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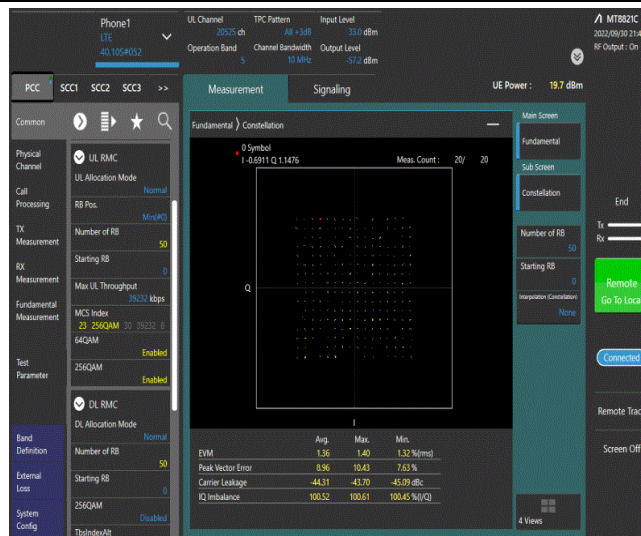
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Band5-10MHz-64QAM-20525-50RB#0



Band5-10MHz-256QAM-20525-50RB#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
Band5	1.4MHz	QPSK	20407	6RB#0	1.096	1.24	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.093	1.24	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.094	1.25	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.09	1.24	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.09	1.24	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.09	1.24	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.094	1.25	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.094	1.25	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.095	1.25	PASS
Band5	1.4MHz	256QAM	20407	6RB#0	1.085	1.23	PASS
Band5	1.4MHz	256QAM	20525	6RB#0	1.086	1.23	PASS
Band5	1.4MHz	256QAM	20643	6RB#0	1.086	1.23	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.701	3.01	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7	3.01	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.699	3.02	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.696	3.01	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.692	2.98	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.693	2.98	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.697	2.98	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.692	2.96	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.695	2.97	PASS
Band5	3MHz	256QAM	20415	15RB#0	2.691	3.00	PASS
Band5	3MHz	256QAM	20525	15RB#0	2.691	3.01	PASS
Band5	3MHz	256QAM	20635	15RB#0	2.696	3.00	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.471	4.86	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.465	4.87	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.469	4.88	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.473	4.89	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.469	4.88	PASS



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Report No.: SEWM2209000168RG01

Rev.: 01

Page: 26 of 71

Band5	5MHz	16QAM	20625	25RB#0	4.468	4.89	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.476	4.88	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.472	4.89	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.473	4.89	PASS
Band5	5MHz	256QAM	20425	25RB#0	4.475	4.87	PASS
Band5	5MHz	256QAM	20525	25RB#0	4.471	4.87	PASS
Band5	5MHz	256QAM	20625	25RB#0	4.466	4.88	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.935	9.62	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.923	9.64	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.927	9.64	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.922	9.74	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.922	9.70	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.926	9.72	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.944	9.72	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.938	9.68	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.936	9.72	PASS
Band5	10MHz	256QAM	20450	50RB#0	8.929	9.64	PASS
Band5	10MHz	256QAM	20525	50RB#0	8.921	9.56	PASS
Band5	10MHz	256QAM	20600	50RB#0	8.925	9.70	PASS



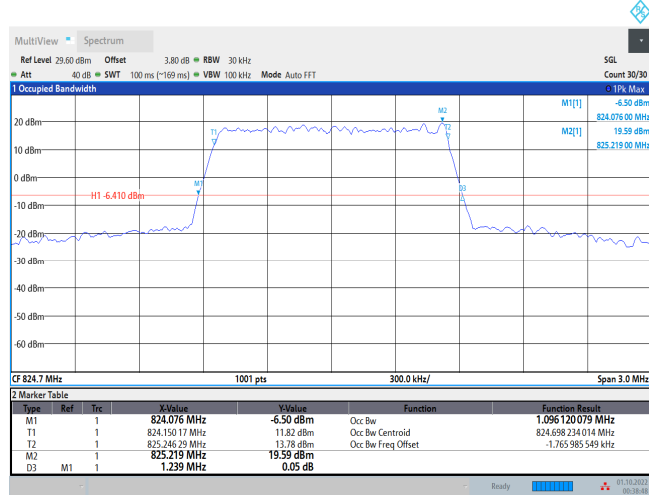
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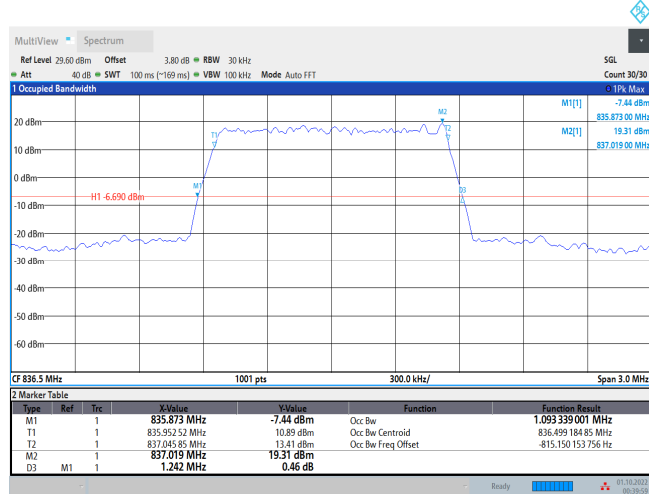
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Test Graphs

Band5-1.4MHz-QPSK-20407-6RB#0



Band5-1.4MHz-QPSK-20525-6RB#0

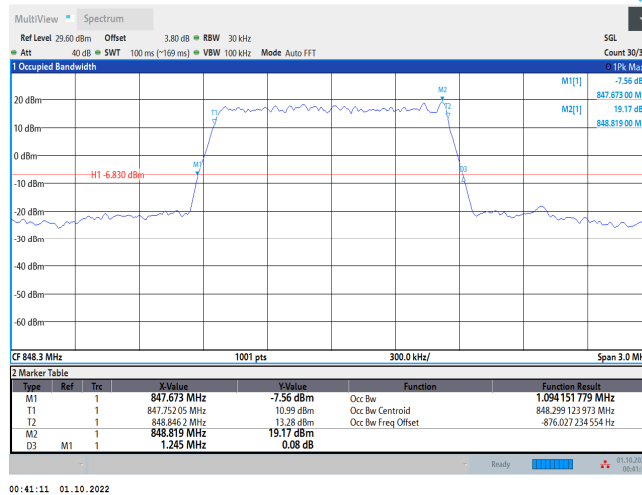


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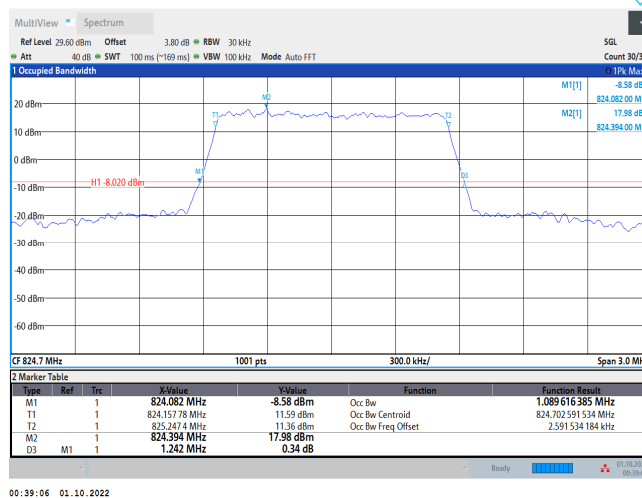
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Band5-1.4MHz-QPSK-20643-6RB#0



Band5-1.4MHz-16QAM-20407-6RB#0

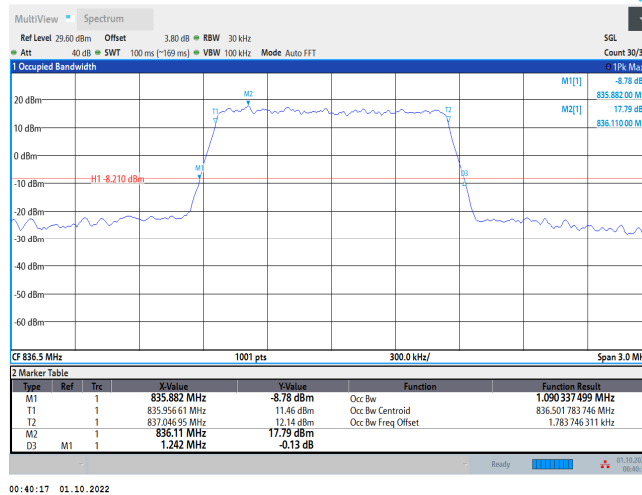


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Band5-1.4MHz-16QAM-20525-6RB#0



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Band5-1.4MHz-64QAM-20407-6RB#0



Band5-1.4MHz-64QAM-20525-6RB#0

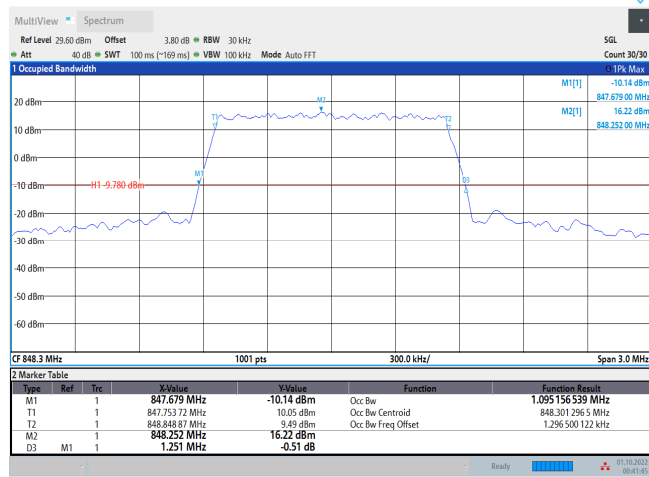


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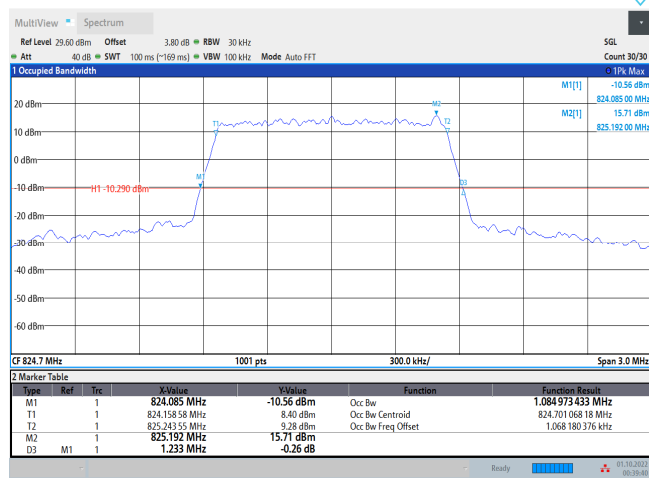
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Band5-1.4MHz-64QAM-20643-6RB#0



Band5-1.4MHz-256QAM-20407-6RB#0

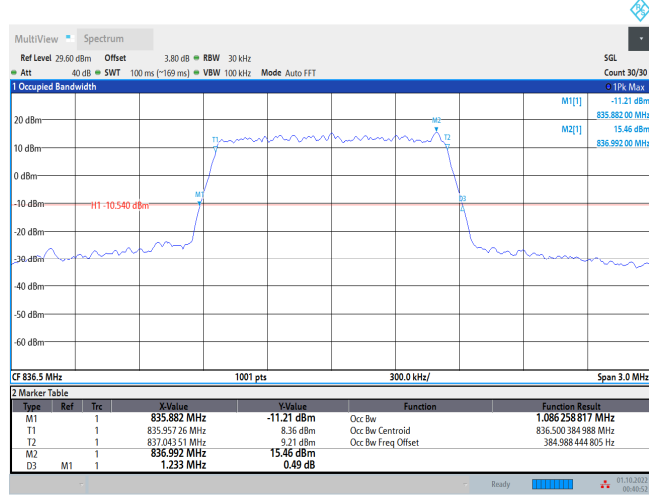


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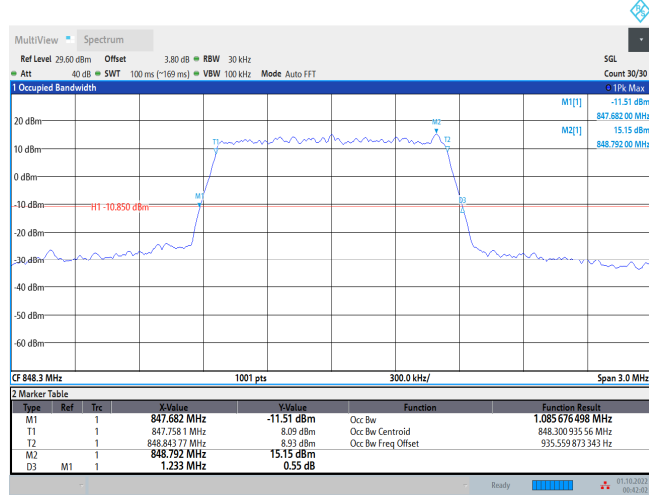
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Band5-1.4MHz-256QAM-20525-6RB#0



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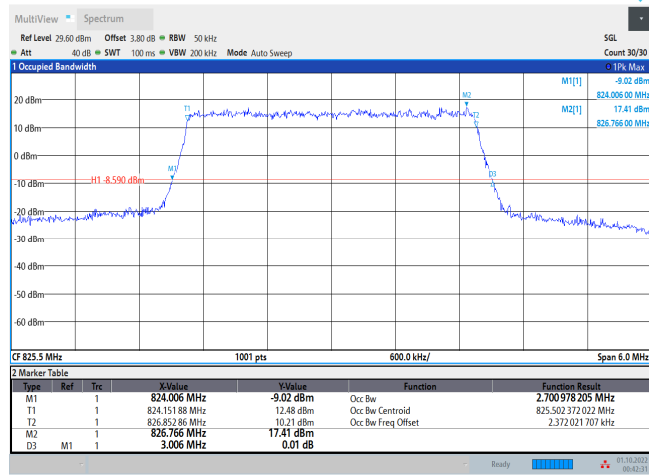


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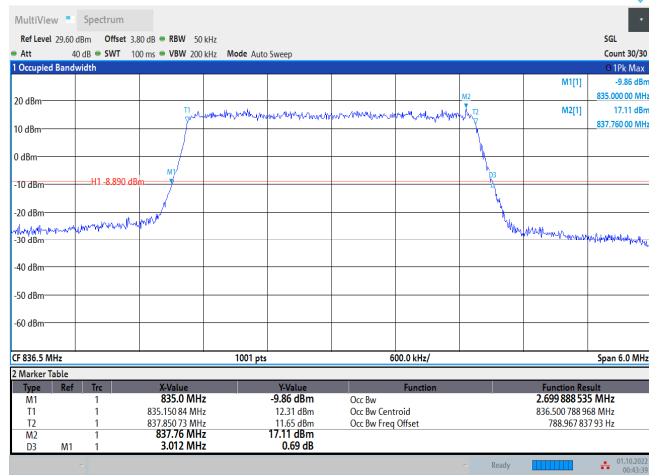
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Band5-3MHz-QPSK-20415-15RB#0



00:42:32 01.10.2022

Band5-3MHz-QPSK-20525-15RB#0



00:43:40 01.10.2022

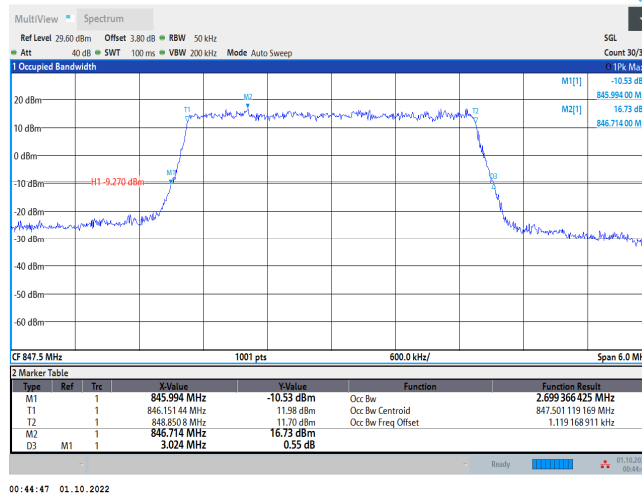


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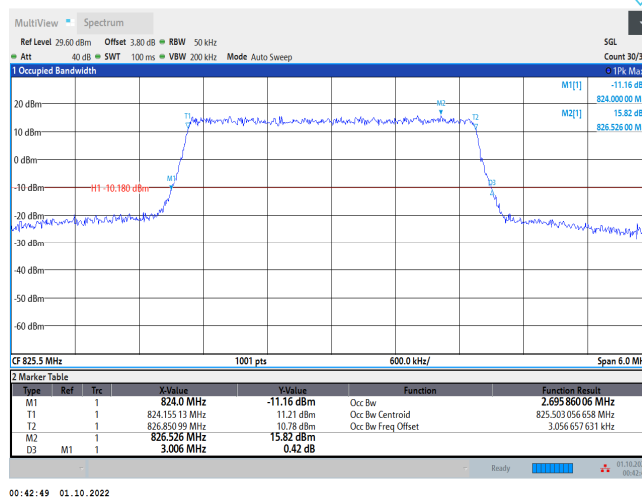
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Band5-3MHz-QPSK-20635-15RB#0

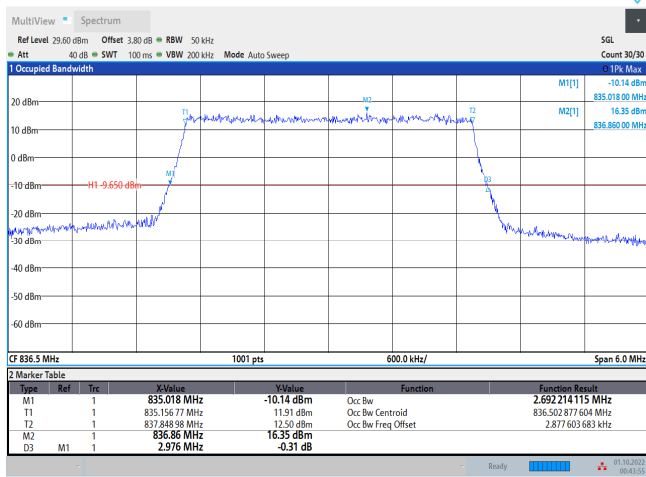


Band5-3MHz-16QAM-20415-15RB#0

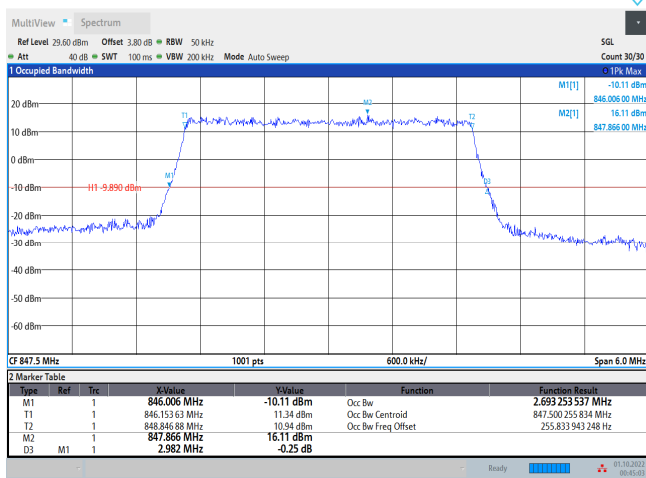


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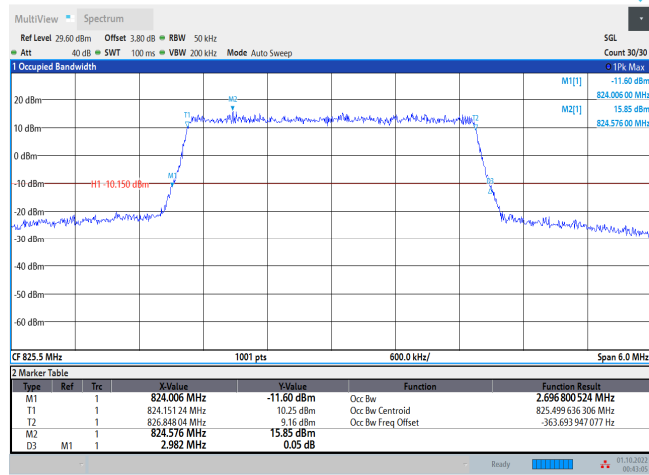


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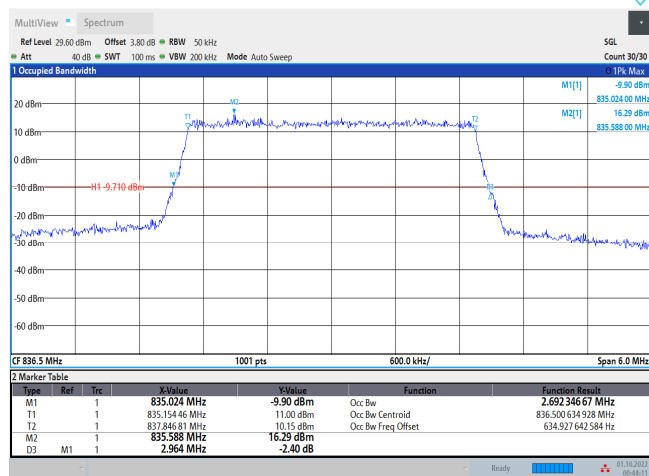
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Band5-3MHz-64QAM-20415-15RB#0



00:43:05 01.10.2022

Band5-3MHz-64QAM-20525-15RB#0



00:44:12 01.10.2022



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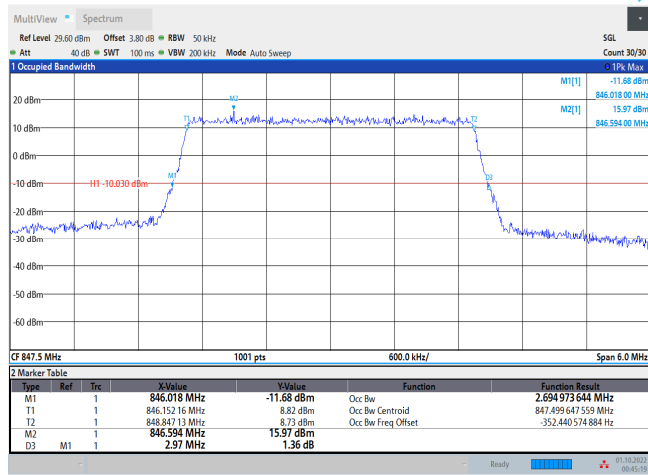
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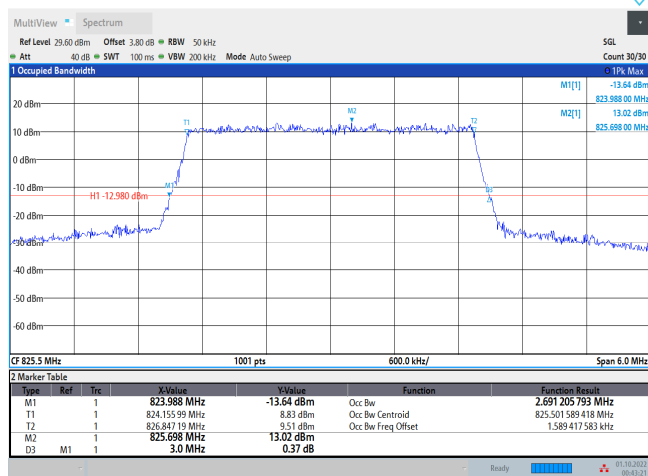
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Band5-3MHz-64QAM-20635-15RB#0



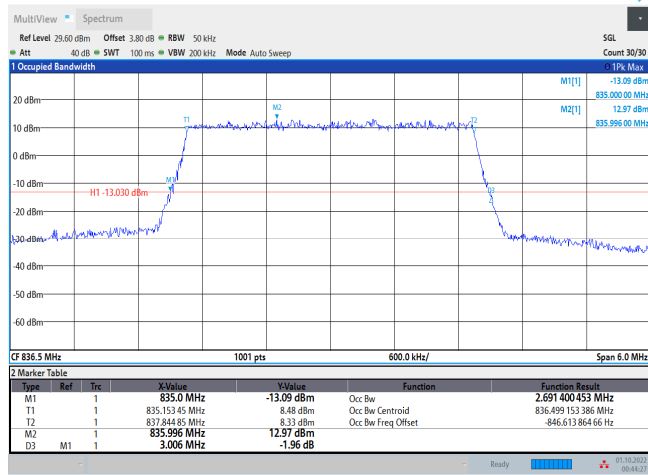
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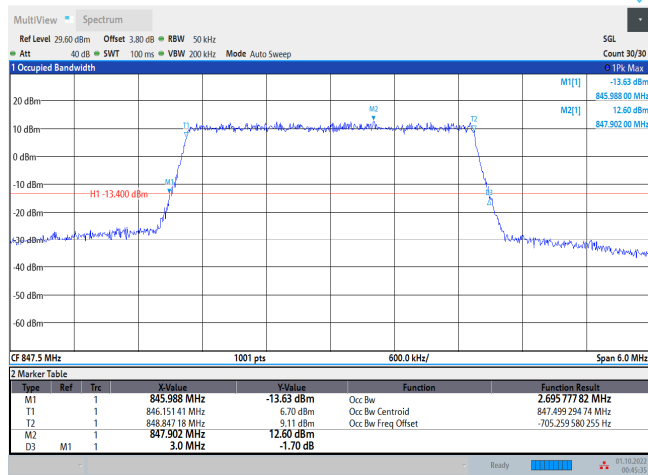
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Band5-3MHz-256QAM-20525-15RB#0



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Band5-3MHz-256QAM-20635-15RB#0



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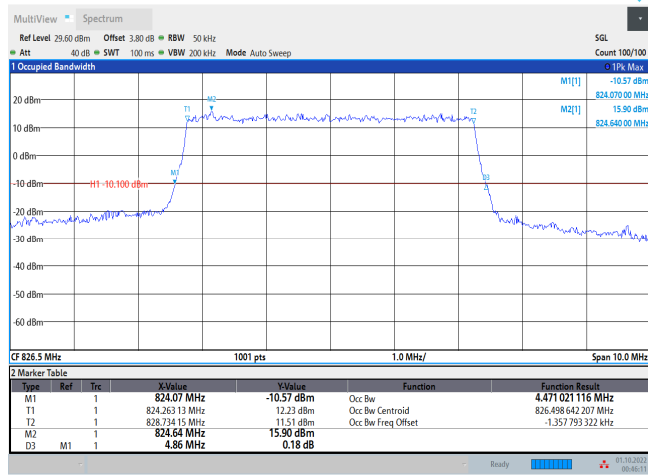


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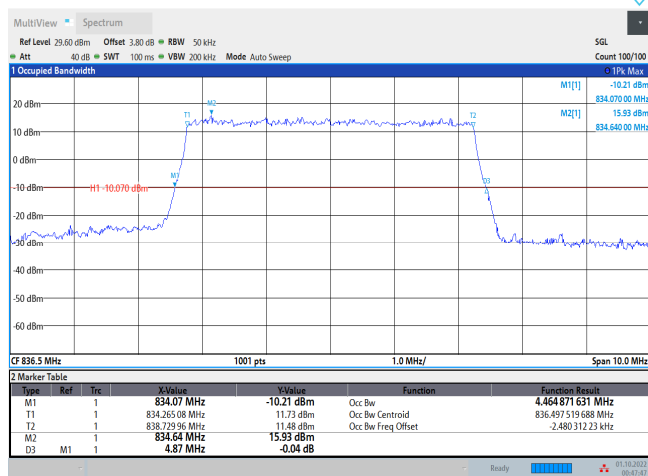
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Band5-5MHz-QPSK-20425-25RB#0



00:46:12 01.10.2022

Band5-5MHz-QPSK-20525-25RB#0



00:47:47 01.10.2022

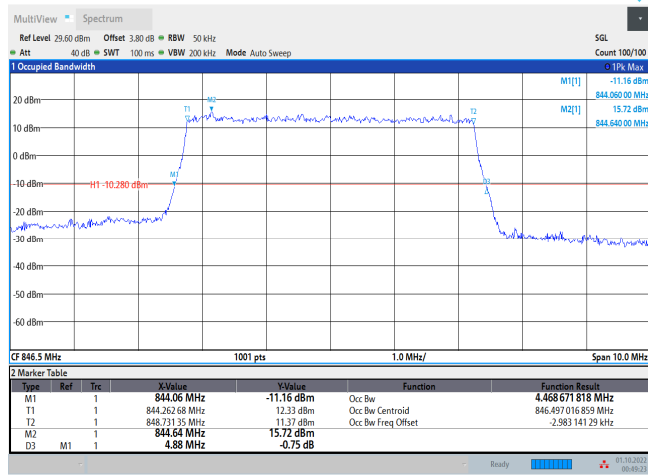


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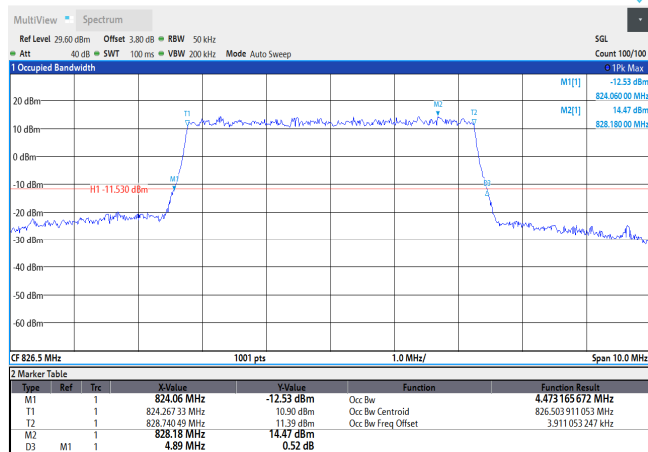
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Band5-5MHz-QPSK-20625-25RB#0



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Band5-5MHz-16QAM-20425-25RB#0



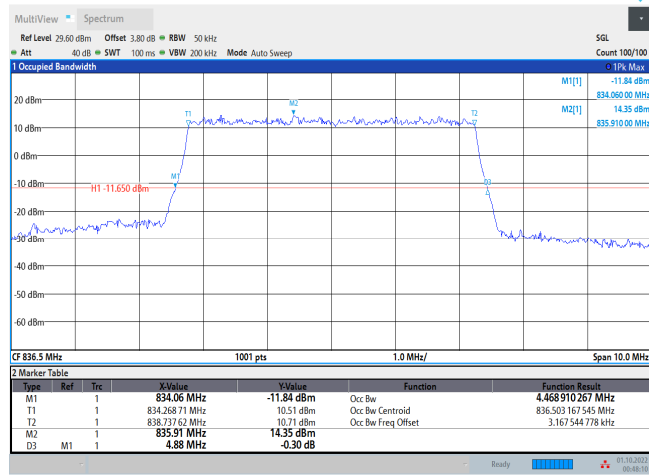
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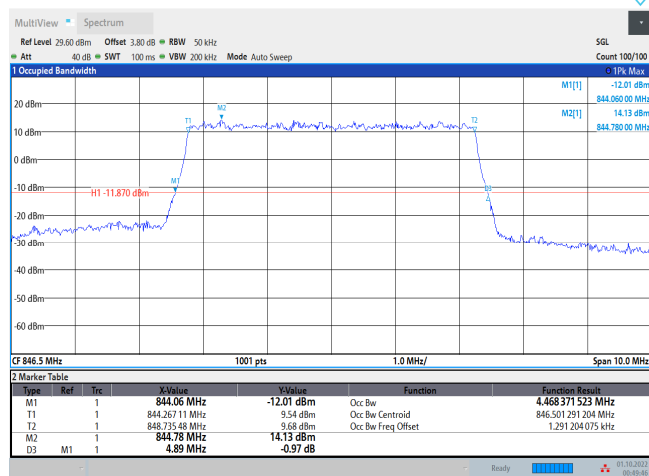
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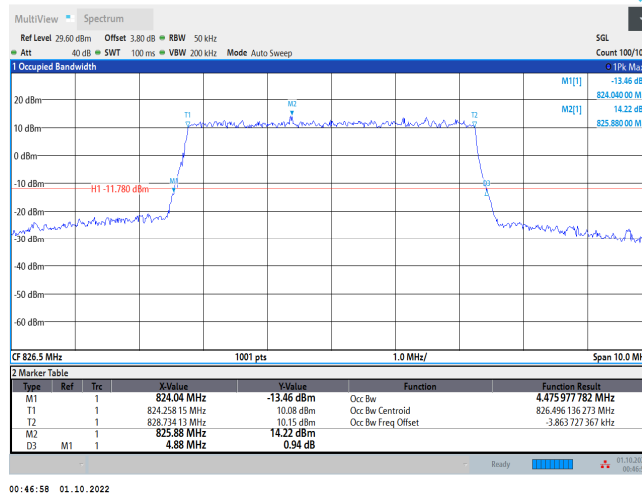


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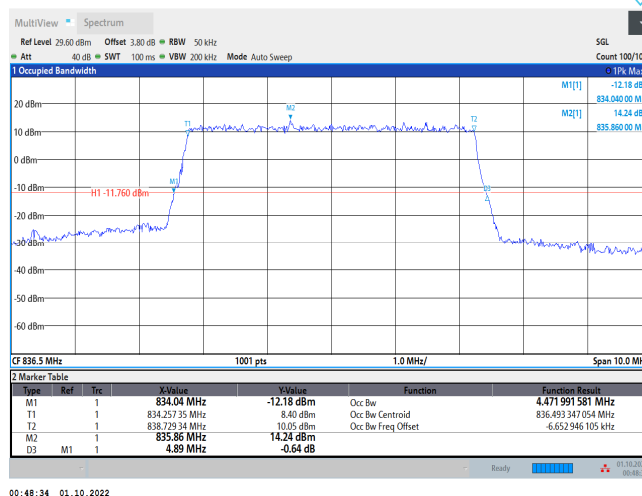
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Band5-5MHz-64QAM-20425-25RB#0



Band5-5MHz-64QAM-20525-25RB#0

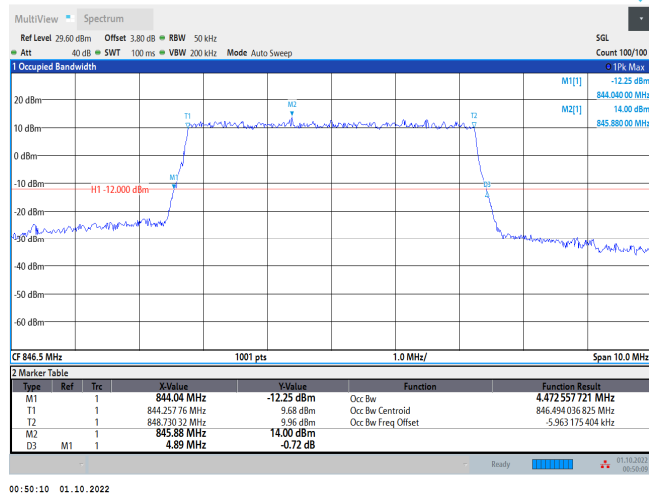


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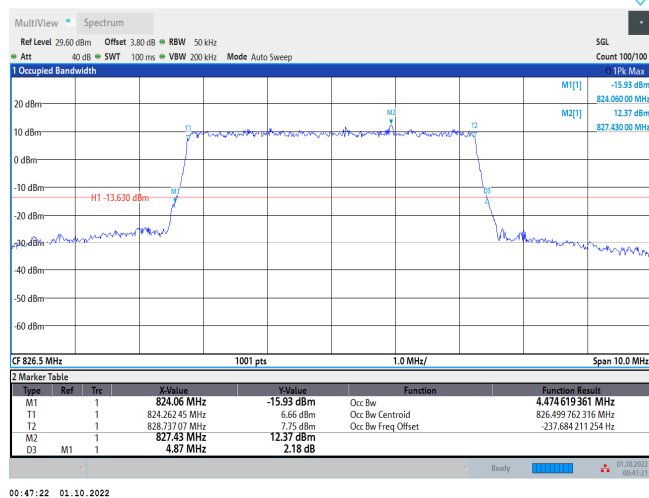
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Band5-5MHz-64QAM-20625-25RB#0



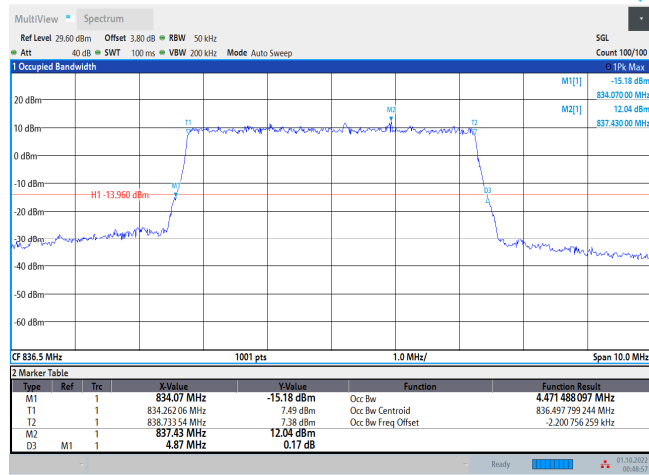
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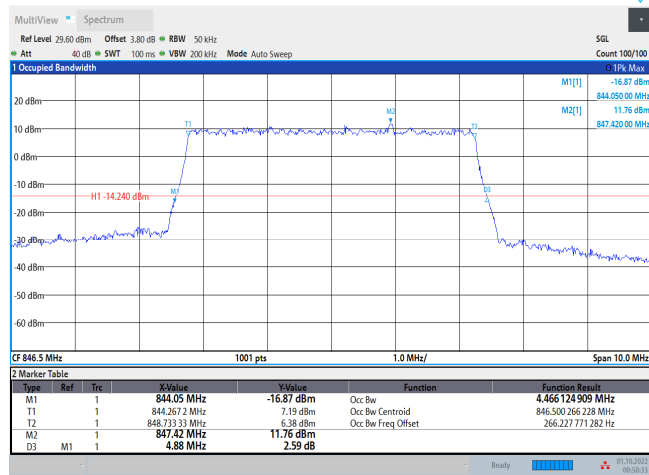
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Band5-5MHz-256QAM-20625-25RB#0



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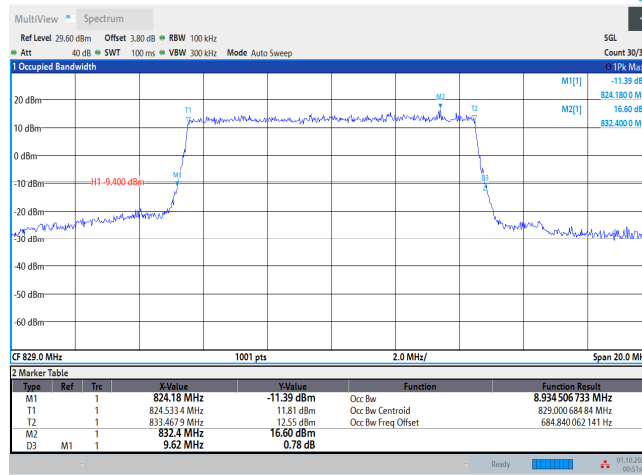


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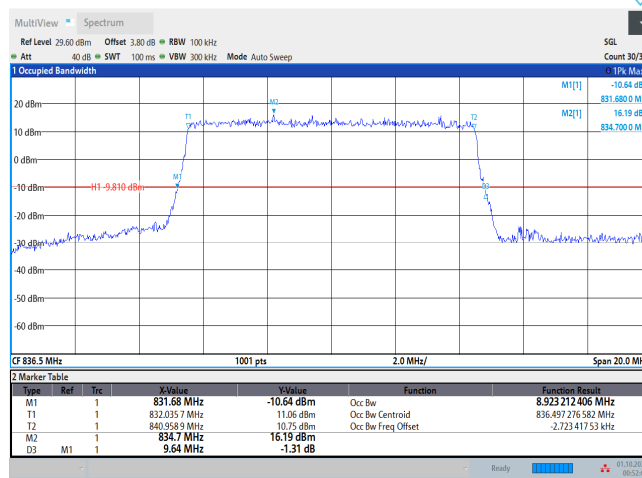
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Band5-10MHz-QPSK-20450-50RB#0



Band5-10MHz-QPSK-20525-50RB#0

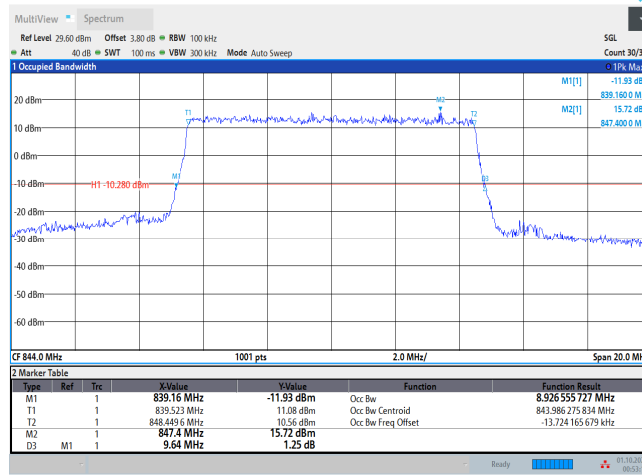


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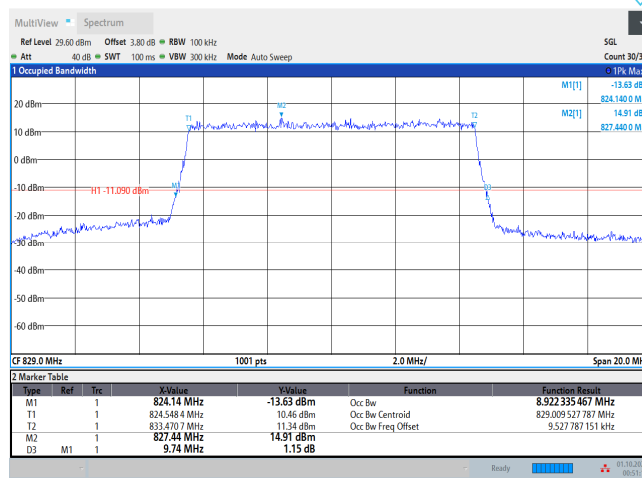
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Band5-10MHz-QPSK-20600-50RB#0



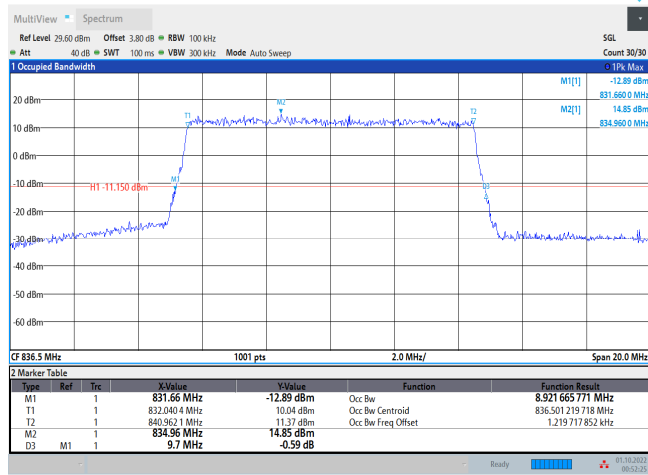
Band5-10MHz-16QAM-20450-50RB#0



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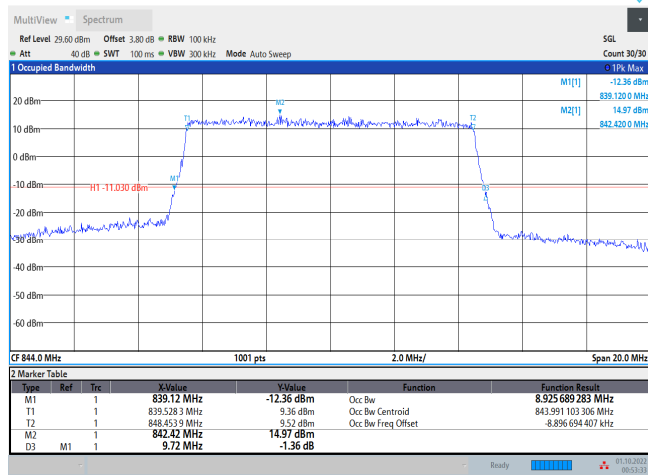
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Band5-10MHz-16QAM-20525-50RB#0



00:52:26 01.10.2022

Band5-10MHz-16QAM-20600-50RB#0

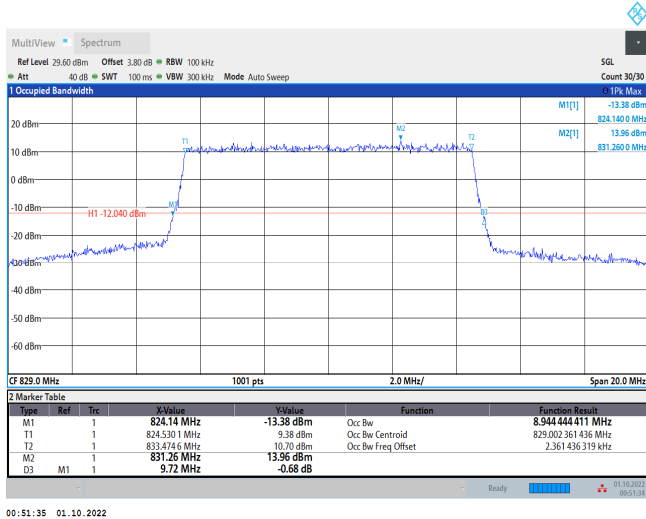


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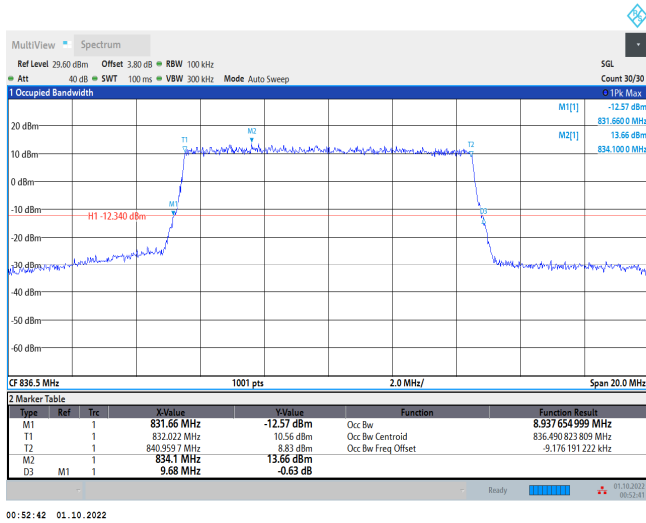


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Band5-10MHz-64QAM-20450-50RB#0



Band5-10MHz-64QAM-20525-50RB#0

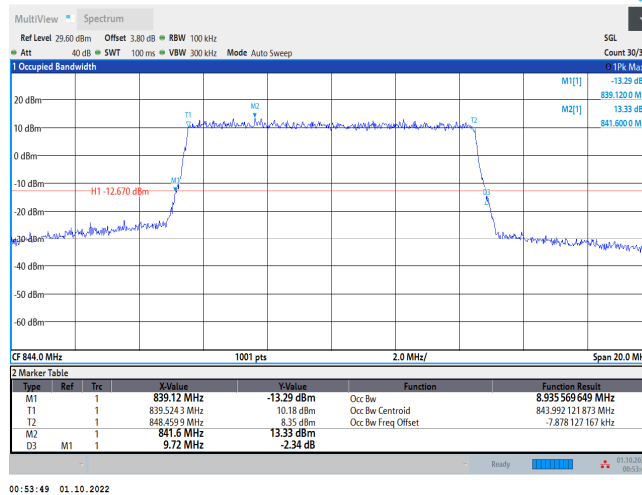


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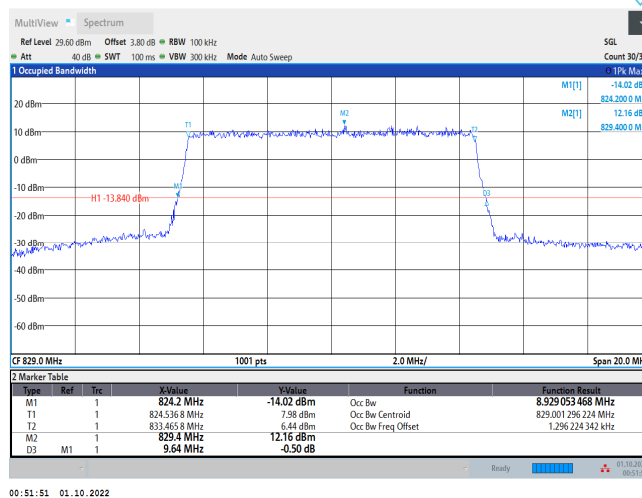
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Band5-10MHz-64QAM-20600-50RB#0



Band5-10MHz-256QAM-20450-50RB#0

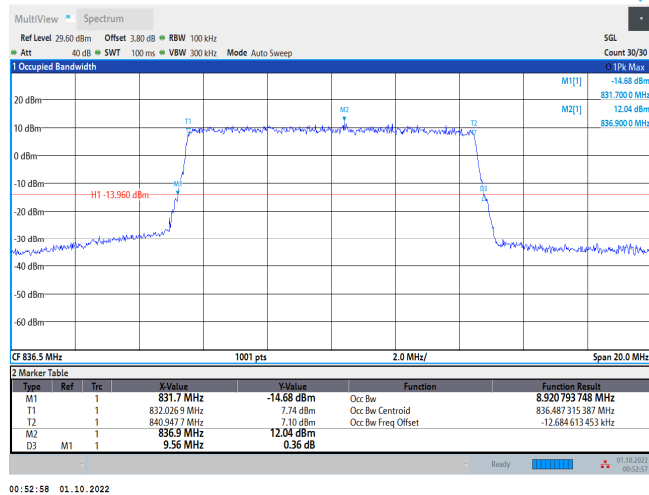


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Band5-10MHz-256QAM-20525-50RB#0



Band5-10MHz-256QAM-20600-50RB#0



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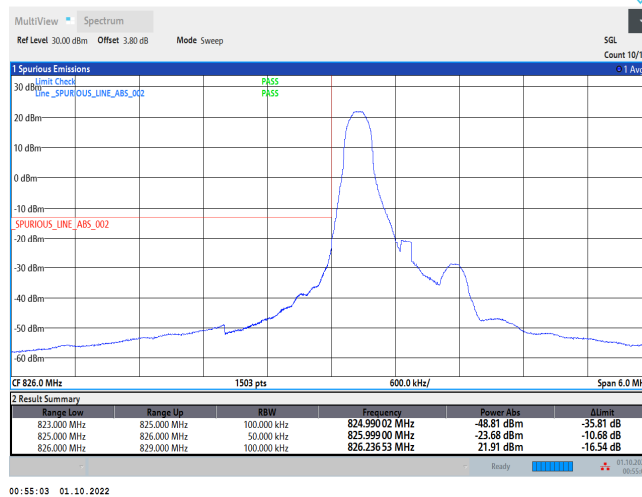
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Band Edge

Test Graphs

Band5-1.4MHz-QPSK-20427-1RB#0



00:55:03 01.10.2022

Band5-1.4MHz-QPSK-20427-6RB#0



00:55:40 01.10.2022

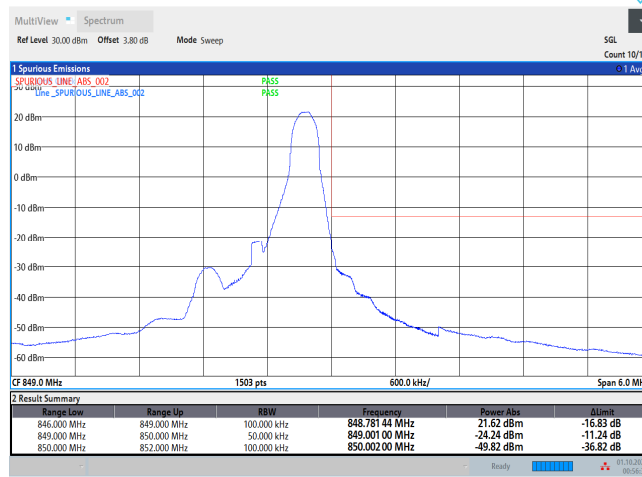


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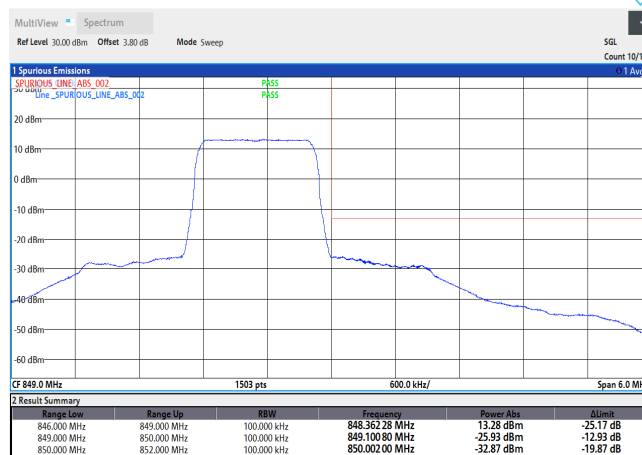
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Band5-1.4MHz-QPSK-20643-1RB#5



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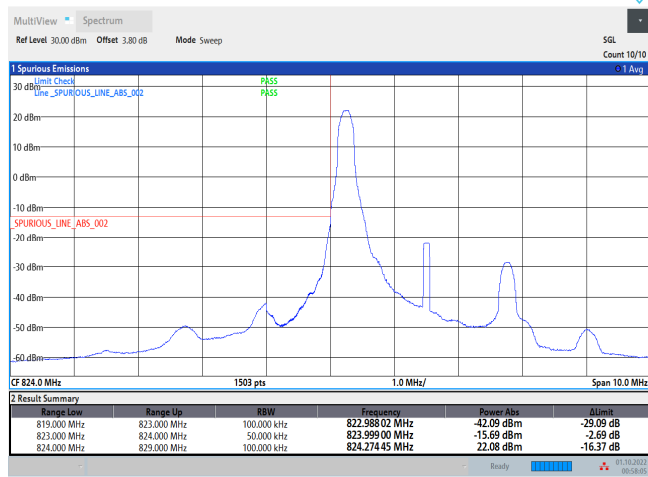


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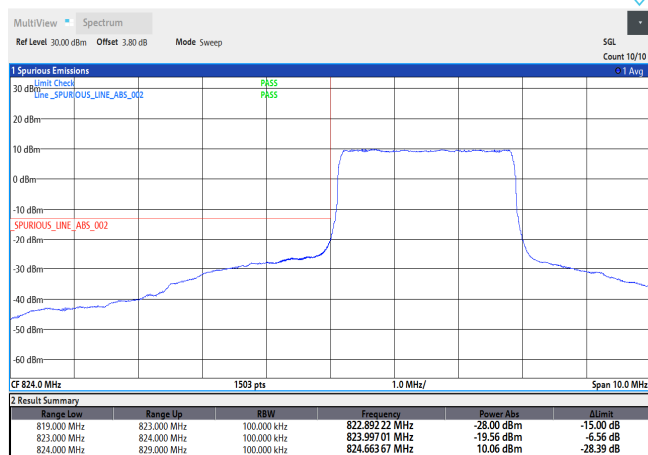
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Band5-3MHz-QPSK-20415-1RB#0



00:58:05 01.10.2022

Band5-3MHz-QPSK-20415-15RB#0



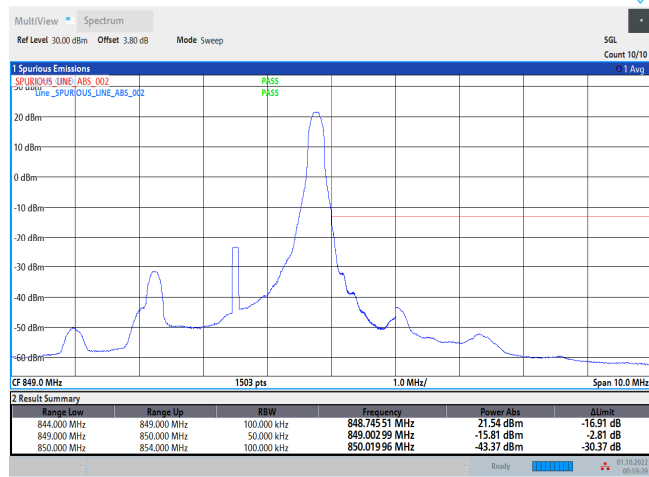
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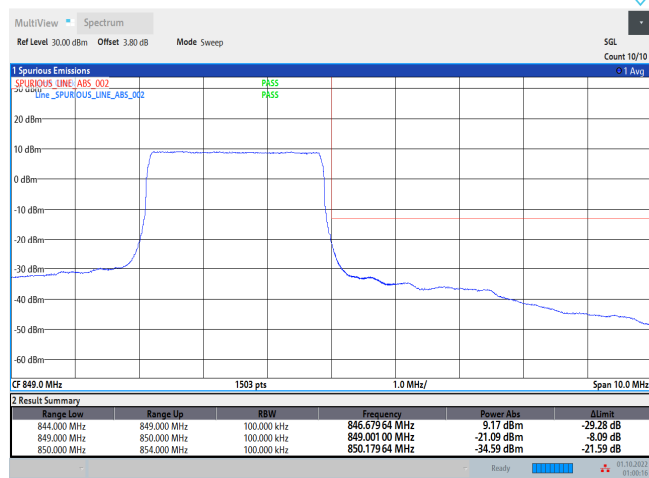
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Band5-3MHz-QPSK-20635-1RB#14



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Band5-3MHz-QPSK-20635-15RB#0



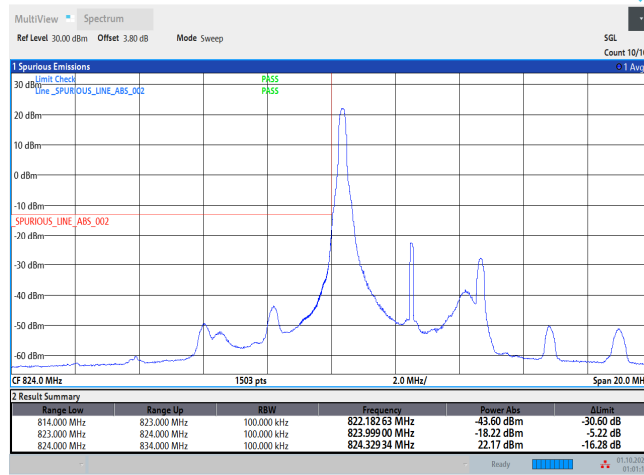
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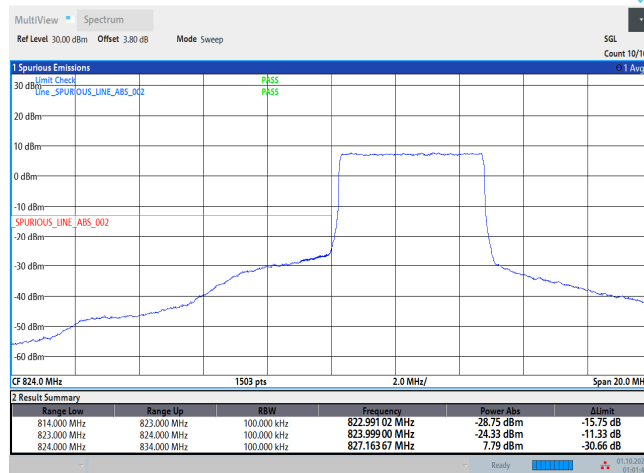
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Band5-5MHz-QPSK-20425-1RB#0



01:01:11 01.10.2022

Band5-5MHz-QPSK-20425-25RB#0



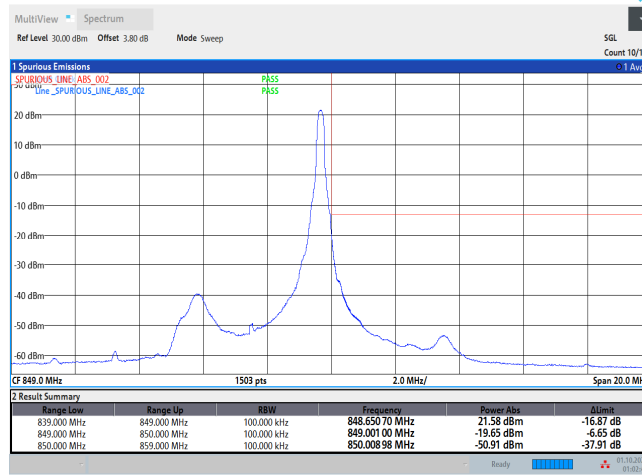
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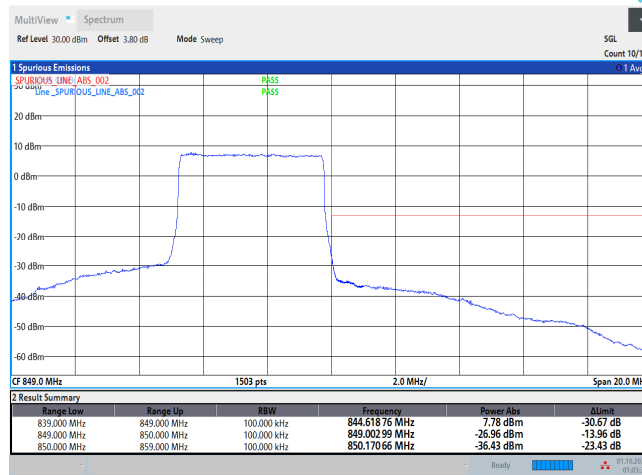
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01:02:43 01.10.2022

Band5-5MHz-QPSK-20625-25RB#0

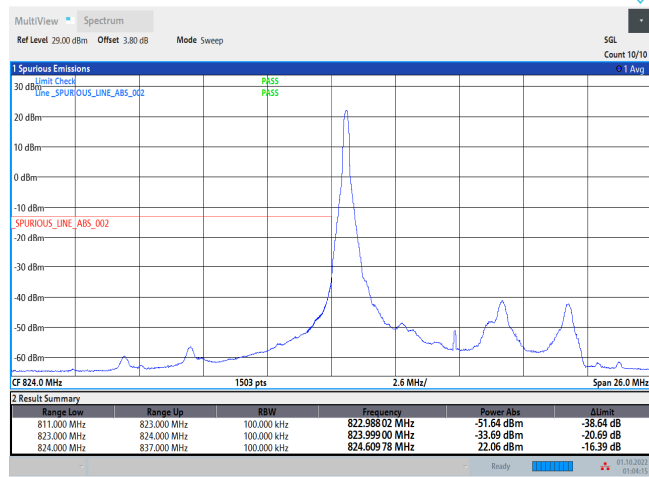


01:03:20 01.10.2022



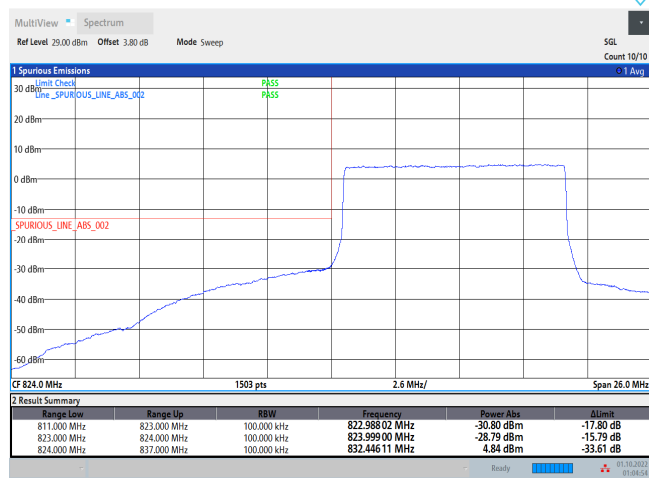
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Band5-10MHz-QPSK-20450-1RB#0



01:04:15 01.10.2022

Band5-10MHz-QPSK-20450-50RB#0

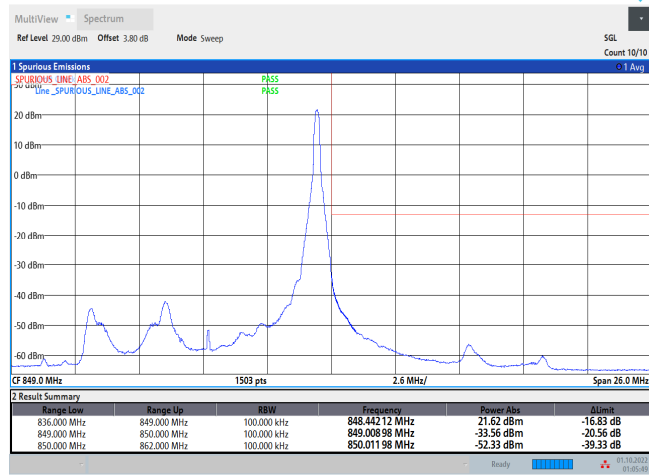


01:04:54 01.10.2022



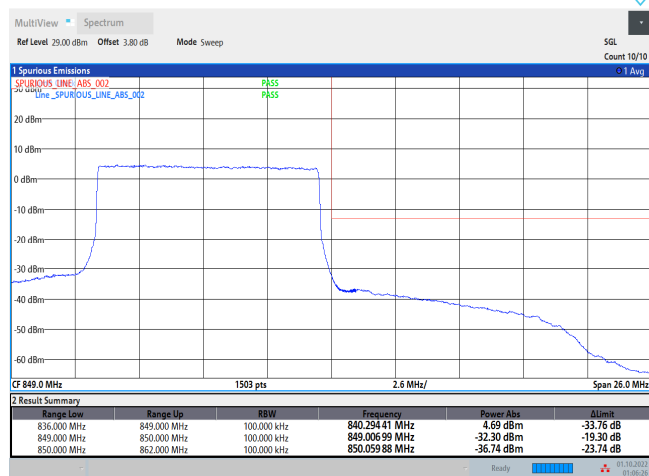
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Band5-10MHz-QPSK-20600-1RB#49



01:05:49 01.10.2022

Band5-10MHz-QPSK-20600-50RB#0



01:06:27 01.10.2022

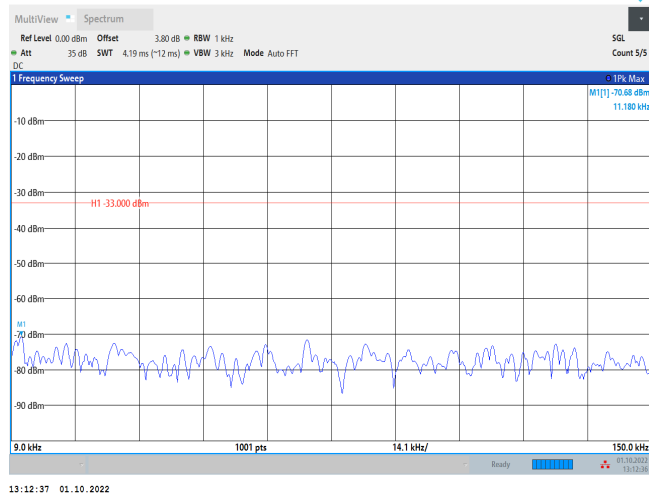


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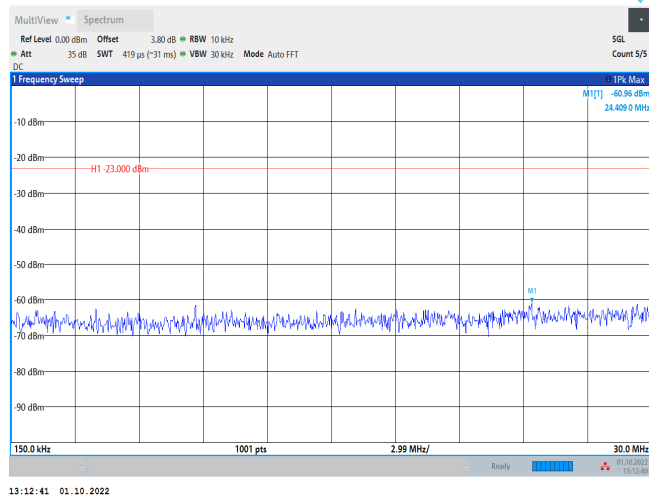
Conducted Spurious Emission

Test Graphs

Band5-10MHz-QPSK-20450-1RB#0-Range1:0.009~0.15MHz



Band5-10MHz-QPSK-20450-1RB#0-Range2:0.15~30MHz

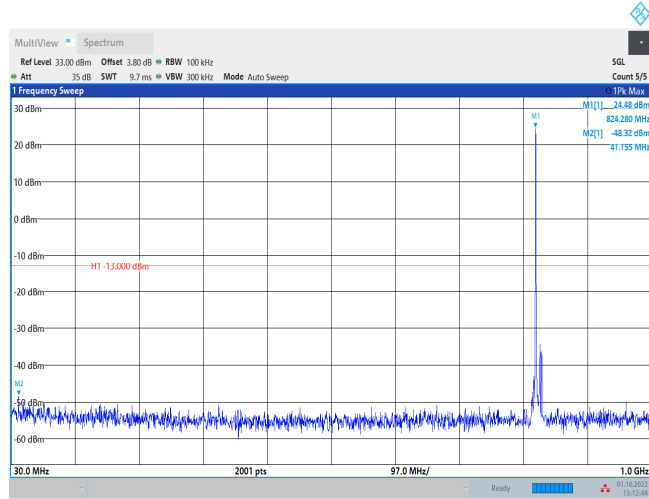


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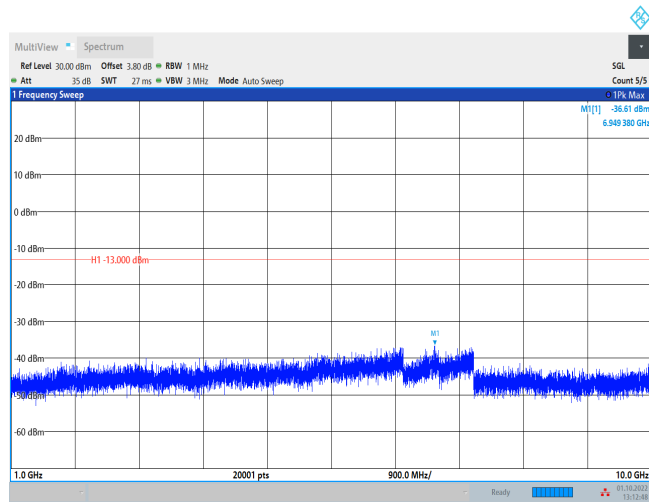
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Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



13:12:45 01.10.2022

Band5-10MHz-QPSK-20450-1RB#0-Range4:1000~10000MHz



13:12:49 01.10.2022



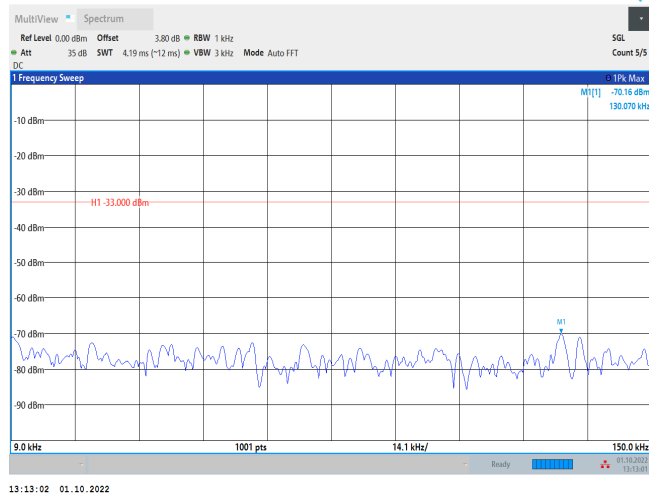
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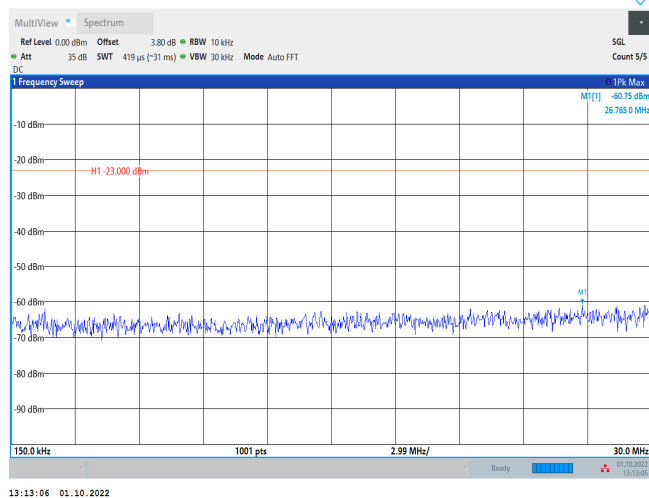
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Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz

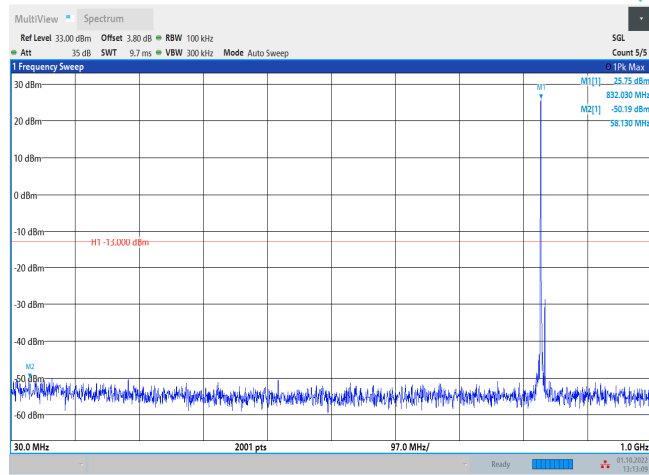


Band5-10MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



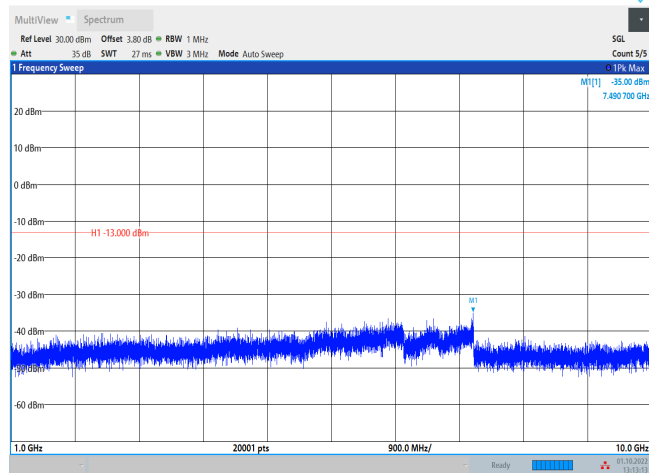
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Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



13:13:10 01.10.2022

Band5-10MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



13:13:14 01.10.2022

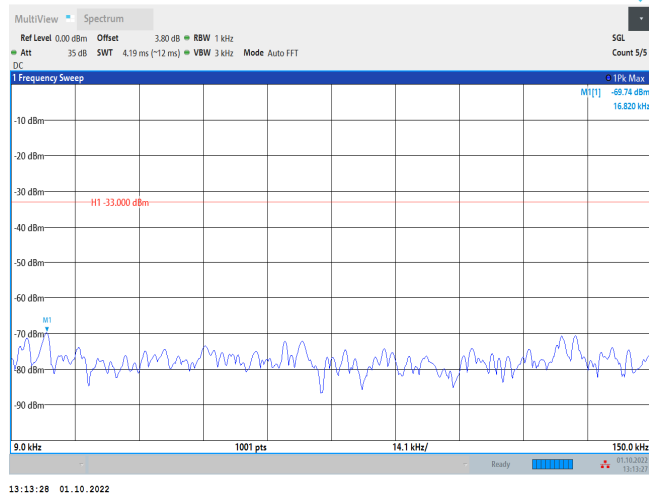


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Wireless Laboratory

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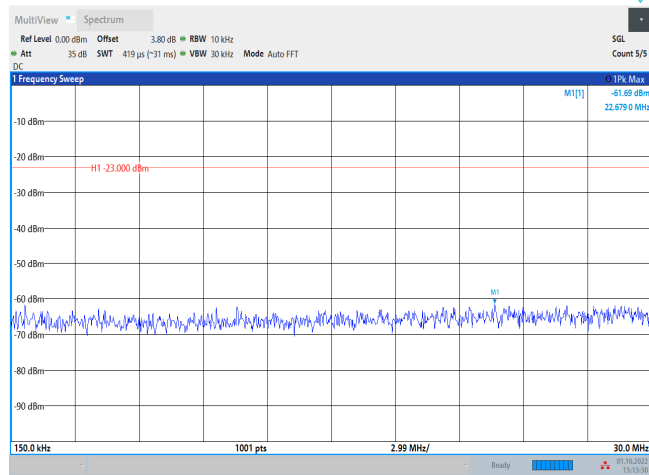
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Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



13:13:28 01.10.2022

Band5-10MHz-QPSK-20600-1RB#0-Range2:0.15~30MHz

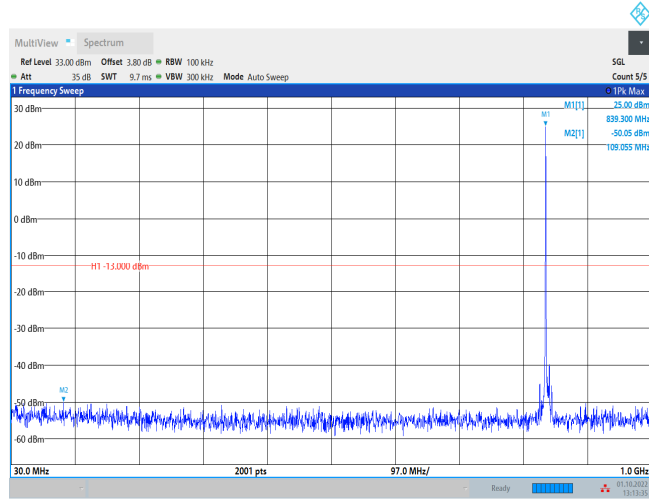


13:13:31 01.10.2022



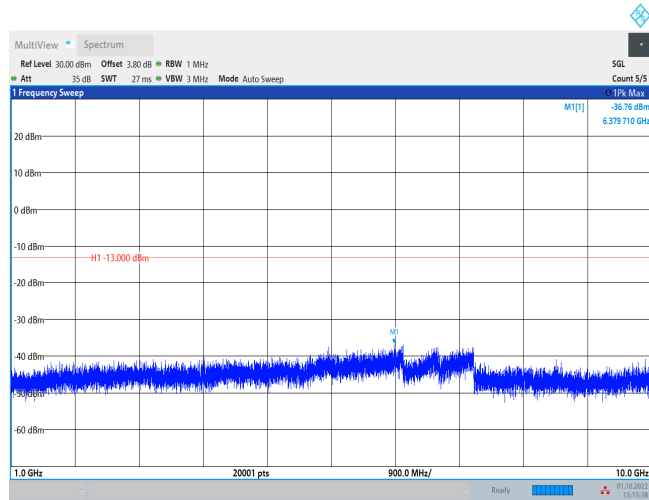
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Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



13:13:36 01.10.2022

Band5-10MHz-QPSK-20600-1RB#0-Range4:1000~10000MHz



13:13:40 01.10.2022



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Field Strength of Spurious Radiation

Test Band = LTE Band 5 ANT0_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.18	52.58	-48.38	25.58	-65.49	-13.00	52.49	163	360	Horizontal
2	2473.77	51.75	-46.96	27.85	-62.62	-13.00	49.62	152	3	Horizontal
3	3298.36	50.55	-46.11	29.48	-61.34	-13.00	48.34	196	18	Horizontal
4	4122.95	49.41	-45.34	30.80	-60.39	-13.00	47.39	214	132	Horizontal
5	4947.54	48.53	-45.08	32.48	-59.34	-13.00	46.34	228	117	Horizontal
6	5772.13	49.03	-43.52	33.48	-56.28	-13.00	43.28	175	355	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	1649.18	52.94	-48.38	25.58	-65.13	-13.00	52.13	223	328	Vertical
2	2473.77	51.36	-46.96	27.85	-63.01	-13.00	50.01	163	198	Vertical
3	3298.36	50.41	-46.11	29.48	-61.48	-13.00	48.48	192	36	Vertical
4	4122.95	48.62	-45.34	30.80	-61.18	-13.00	48.18	175	328	Vertical
5	4947.54	48.62	-45.08	32.48	-59.25	-13.00	46.25	184	251	Vertical
6	5772.13	48.72	-43.52	33.48	-56.59	-13.00	43.59	264	298	Vertical



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Test Band = LTE Band 5 ANT0_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.18	53.06	-48.34	25.57	-64.97	-13.00	51.97	163	88	Horizontal
2	2496.27	50.68	-46.76	27.90	-63.44	-13.00	50.44	195	310	Horizontal
3	3328.36	50.37	-46.16	29.47	-61.58	-13.00	48.58	214	360	Horizontal
4	4160.45	49.10	-45.22	30.86	-60.52	-13.00	47.52	226	249	Horizontal
5	4992.54	48.61	-45.02	32.59	-59.08	-13.00	46.08	283	142	Horizontal
6	5824.63	50.24	-43.43	33.64	-54.81	-13.00	41.81	173	333	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	1664.18	52.58	-48.34	25.57	-65.45	-13.00	52.45	241	97	Vertical
2	2496.27	50.75	-46.76	27.90	-63.37	-13.00	50.37	263	0	Vertical
3	3328.36	50.82	-46.16	29.47	-61.13	-13.00	48.13	126	350	Vertical
4	4160.45	49.77	-45.22	30.86	-59.85	-13.00	46.85	195	59	Vertical
5	4992.54	48.99	-45.02	32.59	-58.70	-13.00	45.70	172	122	Vertical
6	5824.63	50.74	-43.43	33.64	-54.31	-13.00	41.31	226	43	Vertical



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Test Band = LTE Band 5 ANT0_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.18	54.09	-48.30	25.56	-63.91	-13.00	50.91	163	3	Horizontal
2	2518.77	51.19	-46.84	27.97	-62.94	-13.00	49.94	175	3	Horizontal
3	3358.36	49.75	-46.21	29.46	-62.27	-13.00	49.27	184	134	Horizontal
4	4197.95	48.58	-45.12	30.92	-60.88	-13.00	47.88	192	26	Horizontal
5	5037.54	48.93	-44.85	32.60	-58.58	-13.00	45.58	251	347	Horizontal
6	5887.13	50.05	-43.24	33.84	-54.61	-13.00	41.61	263	326	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	1679.18	52.32	-48.30	25.56	-65.68	-13.00	52.68	169	180	Vertical
2	2518.77	51.31	-46.84	27.97	-62.82	-13.00	49.82	215	0	Vertical
3	3358.36	50.60	-46.21	29.46	-61.42	-13.00	48.42	241	296	Vertical
4	4197.95	49.34	-45.12	30.92	-60.12	-13.00	47.12	283	74	Vertical
5	5037.54	47.94	-44.85	32.60	-59.57	-13.00	46.57	194	342	Vertical
6	5887.13	50.44	-43.24	33.84	-54.22	-13.00	41.22	172	220	Vertical



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Test Band = LTE Band 5 ANT1_ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.18	53.27	-48.38	25.58	-64.80	-13.00	51.80	213	360	Horizontal
2	2473.77	51.83	-46.96	27.85	-62.54	-13.00	49.54	263	255	Horizontal
3	3298.36	50.61	-46.11	29.48	-61.28	-13.00	48.28	159	293	Horizontal
4	4122.95	50.71	-45.34	30.80	-59.09	-13.00	46.09	261	332	Horizontal
5	4947.54	48.73	-45.08	32.48	-59.14	-13.00	46.14	224	26	Horizontal
6	5772.13	49.72	-43.52	33.48	-55.59	-13.00	42.59	173	171	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	1649.18	53.53	-48.38	25.58	-64.54	-13.00	51.54	216	65	Vertical
2	2473.77	51.60	-46.96	27.85	-62.77	-13.00	49.77	223	289	Vertical
3	3298.36	51.22	-46.11	29.48	-60.67	-13.00	47.67	172	196	Vertical
4	4122.95	49.97	-45.34	30.80	-59.83	-13.00	46.83	195	0	Vertical
5	4947.54	49.45	-45.08	32.48	-58.42	-13.00	45.42	214	105	Vertical
6	5772.13	49.17	-43.52	33.48	-56.14	-13.00	43.14	228	196	Vertical



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Test Band = LTE Band 5 ANT1_ TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.18	52.65	-48.34	25.57	-65.38	-13.00	52.38	221	277	Horizontal
2	2496.27	51.36	-46.76	27.90	-62.76	-13.00	49.76	214	360	Horizontal
3	3328.36	50.43	-46.16	29.47	-61.52	-13.00	48.52	253	301	Horizontal
4	4160.45	49.27	-45.22	30.86	-60.35	-13.00	47.35	163	200	Horizontal
5	4992.54	48.74	-45.02	32.59	-58.95	-13.00	45.95	195	177	Horizontal
6	5824.63	51.00	-43.43	33.64	-54.05	-13.00	41.05	172	32	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	1664.18	52.99	-48.34	25.57	-65.04	-13.00	52.04	163	0	Vertical
2	2496.27	50.48	-46.76	27.90	-63.64	-13.00	50.64	192	126	Vertical
3	3328.36	50.20	-46.16	29.47	-61.75	-13.00	48.75	175	119	Vertical
4	4160.45	49.51	-45.22	30.86	-60.11	-13.00	47.11	186	1	Vertical
5	4992.54	50.66	-45.02	32.59	-57.03	-13.00	44.03	219	73	Vertical
6	5824.63	50.57	-43.43	33.64	-54.48	-13.00	41.48	228	312	Vertical



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Test Band = LTE Band 5 ANT1_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.18	52.39	-48.30	25.56	-65.61	-13.00	52.61	163	17	Horizontal
2	2518.77	52.43	-46.84	27.97	-61.70	-13.00	48.70	195	344	Horizontal
3	3358.36	50.55	-46.21	29.46	-61.47	-13.00	48.47	216	32	Horizontal
4	4197.95	49.32	-45.12	30.92	-60.14	-13.00	47.14	227	169	Horizontal
5	5037.54	50.19	-44.85	32.60	-57.32	-13.00	44.32	148	62	Horizontal
6	5887.13	50.18	-43.24	33.84	-54.48	-13.00	41.48	197	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	1679.18	52.00	-48.30	25.56	-66.00	-13.00	53.00	255	357	Vertical
2	2518.77	51.94	-46.84	27.97	-62.19	-13.00	49.19	263	143	Vertical
3	3358.36	50.25	-46.21	29.46	-61.77	-13.00	48.77	216	66	Vertical
4	4197.95	49.94	-45.12	30.92	-59.52	-13.00	46.52	195	357	Vertical
5	5037.54	49.89	-44.85	32.60	-57.62	-13.00	44.62	176	258	Vertical
6	5887.13	49.77	-43.24	33.84	-54.89	-13.00	41.89	213	66	Vertical

Remark:

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

- AF = Antenna Factor(dB/m)
- Factor = Cable Factor(dB) - Preamplifier (dB)
- Level = Reading Level + AF + Factor -95.26
- Margin = Limit – Level



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Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-0.30	-0.000359	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-0.70	-0.000837	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	0.80	0.000956	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-0.50	-0.000598	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	0.20	0.000239	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	1.30	0.001554	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	0.80	0.000956	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	0.10	0.000120	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	0.80	0.000956	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-1.40	-0.001674	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-0.80	-0.000956	±2.5	PASS

---End of Attachment---



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