



# Appendix B

## E-UTRA Band 5



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# 1 Effective (Isotropic) Radiated Power

## 1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.77	15.72	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.41	15.36	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.96	15.91	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.45	15.40	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.44	15.39	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.57	15.52	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.49	14.44	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.90	15.85	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.66	15.61	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.02	15.97	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.48	15.43	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.60	15.55	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.55	15.50	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.55	14.50	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.96	15.91	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.65	15.60	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.80	15.75	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.65	15.60	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.78	15.73	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.76	15.71	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.79	14.74	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	20.68	13.63	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	20.83	13.78	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	20.77	13.72	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#0	20.75	13.70	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#1	20.57	13.52	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#3	20.66	13.61	38.45	PASS



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Band5	1.4MHz	64QAM	20407	6RB#0	19.29	12.24	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	20.76	13.71	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	20.96	13.91	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	20.87	13.82	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#0	20.60	13.55	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#1	20.77	13.72	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#3	20.79	13.74	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	19.38	12.33	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.04	13.99	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	20.61	13.56	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	20.67	13.62	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#0	20.56	13.51	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#1	20.62	13.57	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#3	20.71	13.66	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	19.41	12.36	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.69	14.64	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.99	14.94	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.05	15.00	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.54	14.49	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.55	14.50	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.49	14.44	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.52	13.47	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.21	15.16	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.21	15.16	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.16	15.11	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.51	14.46	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.62	14.57	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.62	14.57	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.58	13.53	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.15	15.10	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.02	14.97	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.95	14.90	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.82	14.77	38.45	PASS



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Band5	1.4MHz	16QAM	20643	3RB#1	21.76	14.71	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.78	14.73	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.80	13.75	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.60	15.55	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.41	15.36	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.29	15.24	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.36	14.31	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.38	14.33	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.38	14.33	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.36	14.31	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.75	15.70	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.39	15.34	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.45	15.40	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.44	14.39	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.46	14.41	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.48	14.43	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.50	14.45	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.86	15.81	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.84	15.79	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.55	15.50	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.59	14.54	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.59	14.54	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.59	14.54	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.61	14.56	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	20.68	13.63	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	20.88	13.83	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	20.78	13.73	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#0	19.34	12.29	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#4	19.33	12.28	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#7	19.26	12.21	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	19.29	12.24	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	20.76	13.71	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	21.03	13.98	38.45	PASS



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Band5	3MHz	64QAM	20525	1RB#14	20.82	13.77	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#0	19.24	12.19	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#4	19.30	12.25	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#7	19.34	12.29	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	19.38	12.33	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.04	13.99	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	20.72	13.67	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.02	13.97	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#0	19.54	12.49	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#4	19.45	12.40	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#7	19.41	12.36	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	19.41	12.36	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.88	14.83	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.13	15.08	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.00	14.95	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.44	13.39	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.43	13.38	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.38	13.33	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.39	13.34	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.98	14.93	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.26	15.21	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.01	14.96	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.38	13.33	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.41	13.36	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.46	13.41	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.50	13.45	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.25	15.20	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.91	14.86	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.22	15.17	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.63	13.58	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.54	13.49	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.51	13.46	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.53	13.48	38.45	PASS



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Band5	5MHz	QPSK	20425	1RB#0	22.68	15.63	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.46	15.41	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.37	15.32	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.44	14.39	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.48	14.43	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.47	14.42	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.43	14.38	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.84	15.79	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.49	15.44	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.54	15.49	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.51	14.46	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.54	14.49	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.57	14.52	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.55	14.50	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.91	15.86	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.93	15.88	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.64	15.59	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.69	14.64	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.69	14.64	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.64	14.59	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.68	14.63	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	20.46	13.41	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	20.78	13.73	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	20.83	13.78	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#0	19.40	12.35	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#6	19.40	12.35	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#13	19.39	12.34	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	19.42	12.37	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	20.97	13.92	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	20.99	13.94	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	20.97	13.92	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#0	19.38	12.33	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#6	19.49	12.44	38.45	PASS



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Band5	5MHz	64QAM	20525	12RB#13	19.50	12.45	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	19.47	12.42	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	20.92	13.87	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	20.78	13.73	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	20.73	13.68	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#0	19.69	12.64	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#6	19.61	12.56	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#13	19.67	12.62	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	19.69	12.64	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.98	14.93	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.18	15.13	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.08	15.03	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.54	13.49	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.53	13.48	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.46	13.41	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.49	13.44	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.06	15.01	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.33	15.28	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.12	15.07	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.44	13.39	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.50	13.45	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.54	13.49	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.58	13.53	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.34	15.29	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.02	14.97	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.32	15.27	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.74	13.69	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.65	13.60	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.61	13.56	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.61	13.56	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.83	15.78	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.50	15.45	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.04	15.99	38.45	PASS



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Band5	10MHz	QPSK	20450	25RB#0	21.53	14.48	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.55	14.50	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.68	14.63	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.58	14.53	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.96	15.91	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.74	15.69	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.11	16.06	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.57	14.52	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.66	14.61	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.93	14.88	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.64	14.59	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.96	15.91	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.72	15.67	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.98	15.93	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.75	14.70	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.89	14.84	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.82	14.77	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.85	14.80	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	20.58	13.53	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	20.83	13.78	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	20.70	13.65	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#0	19.24	12.19	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#12	19.23	12.18	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#25	19.18	12.13	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	19.19	12.14	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	20.68	13.63	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	20.96	13.91	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	20.71	13.66	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#0	19.18	12.13	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#12	19.21	12.16	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#25	19.26	12.21	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	19.30	12.25	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	20.95	13.90	38.45	PASS



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Band5	10MHz	64QAM	20600	1RB#24	20.61	13.56	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	20.92	13.87	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#0	19.43	12.38	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#12	19.34	12.29	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#25	19.31	12.26	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	19.33	12.28	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.76	14.71	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.08	15.03	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.13	15.08	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.60	13.55	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.60	13.55	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.59	13.54	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.62	13.57	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.27	15.22	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.29	15.24	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.27	15.22	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	20.58	13.53	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.69	13.64	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.70	13.65	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.67	13.62	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.22	15.17	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.08	15.03	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.03	14.98	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.89	13.84	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.81	13.76	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.87	13.82	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.89	13.84	38.45	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

$$ERP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBd]}$$

$$EIRP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$



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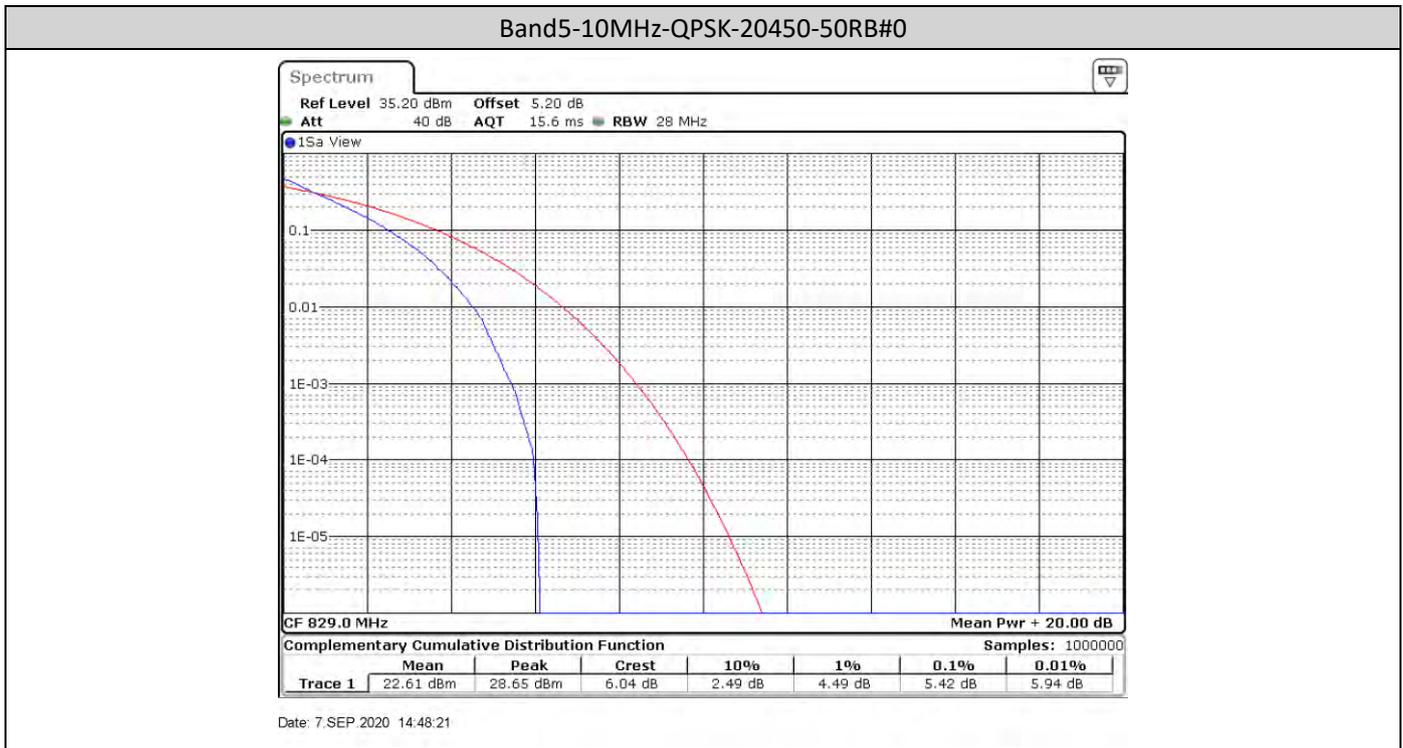


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	5.42	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.48	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.39	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.61	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.64	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.64	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.26	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.23	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.20	13	PASS

### 2.2. Test Plots

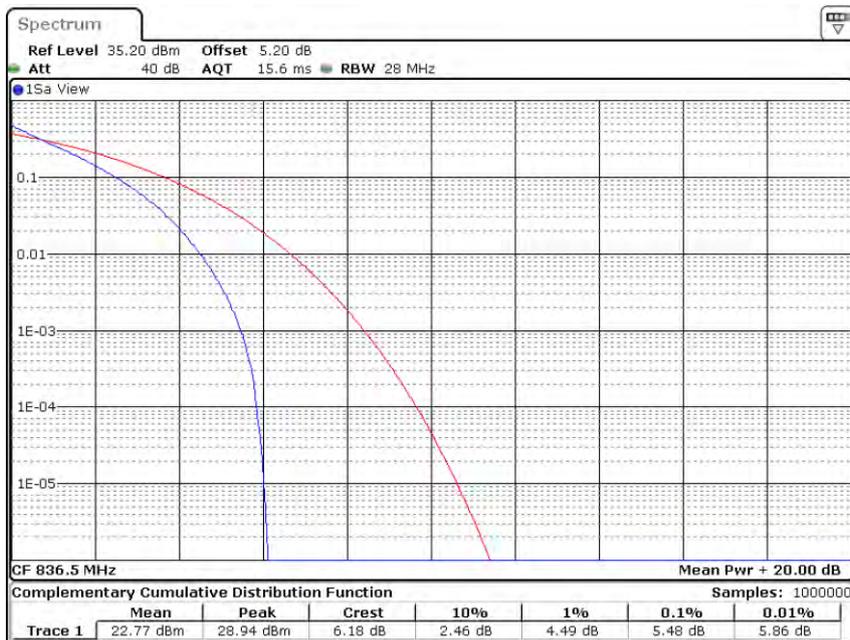


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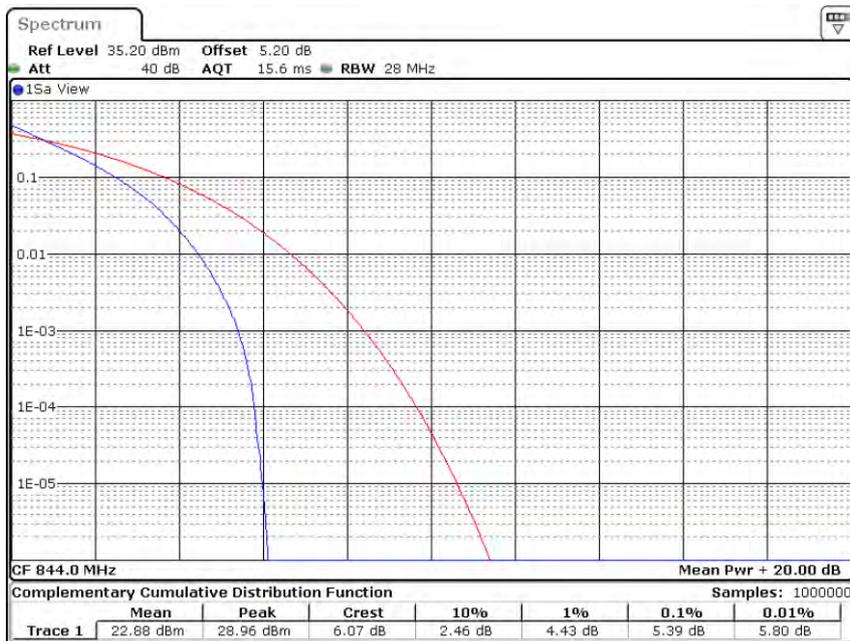


Band5-10MHz-QPSK-20525-50RB#0



Date: 7.SEP.2020 14:48:44

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



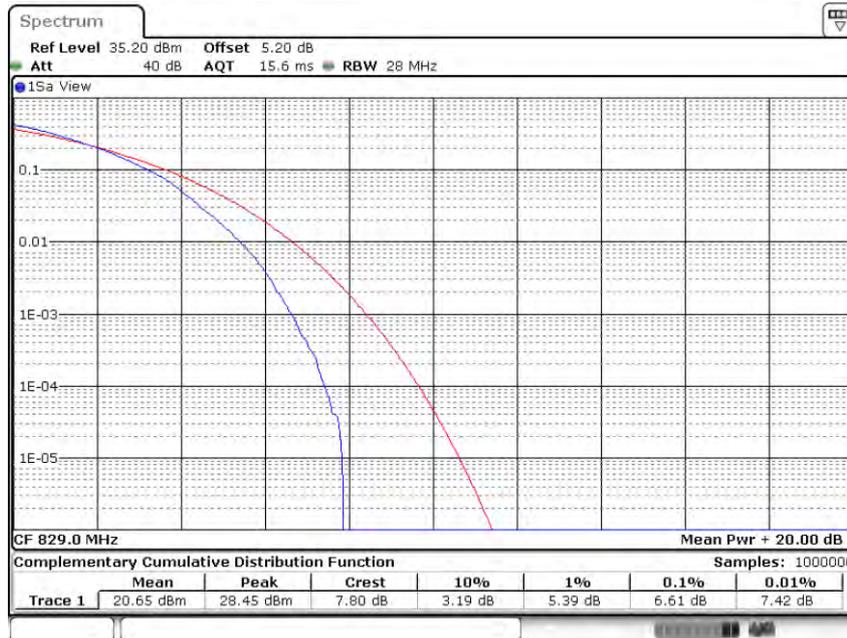
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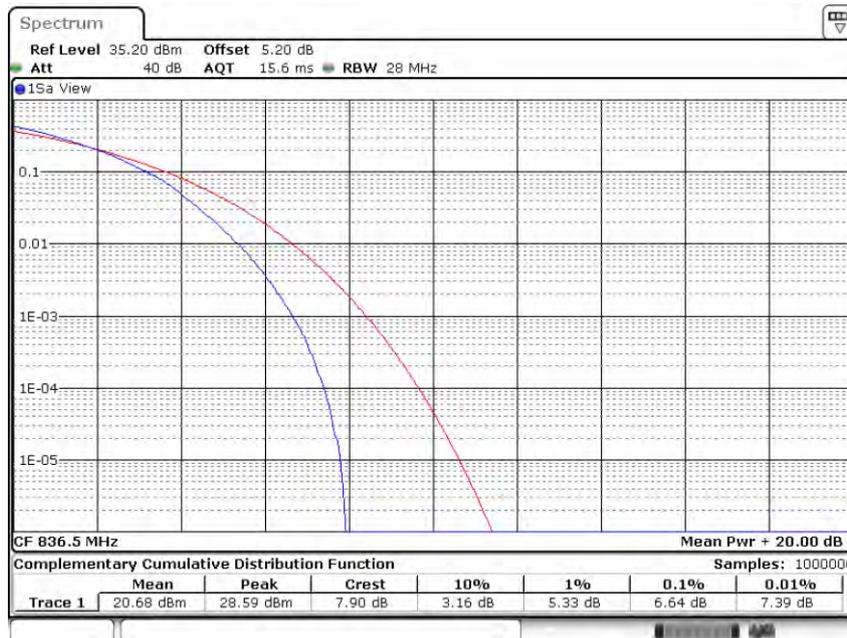


**Band5-10MHz-64QAM-20450-50RB#0**



Date: 8 SEP 2020 19:37:57

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



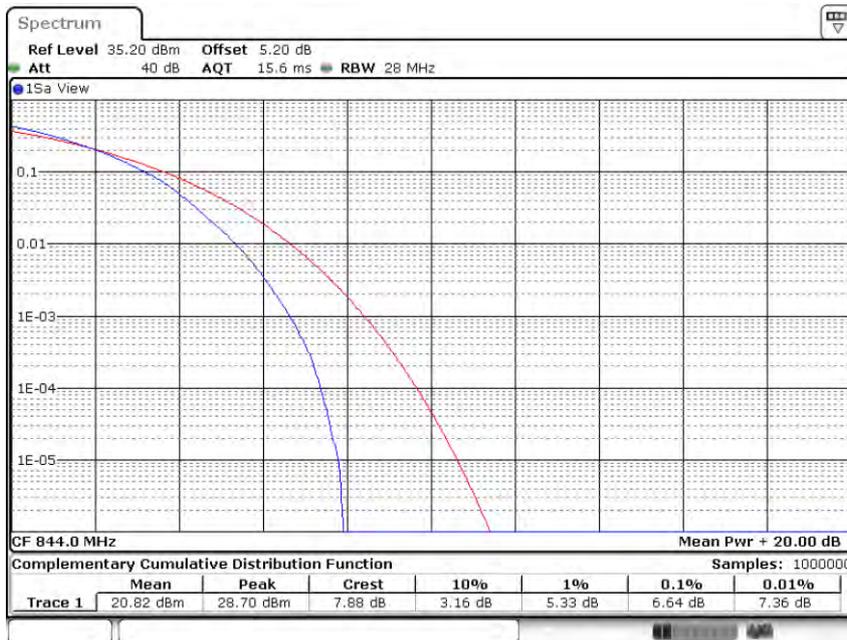
Date: 8 SEP 2020 19:38:09



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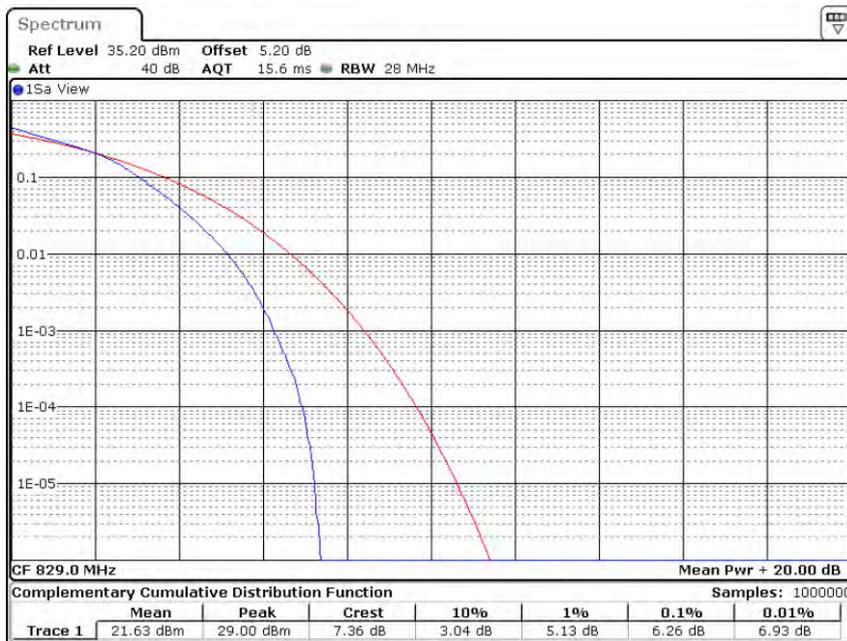


Band5-10MHz-64QAM-20600-50RB#0



Date: 8 SEP 2020 19:38:21

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



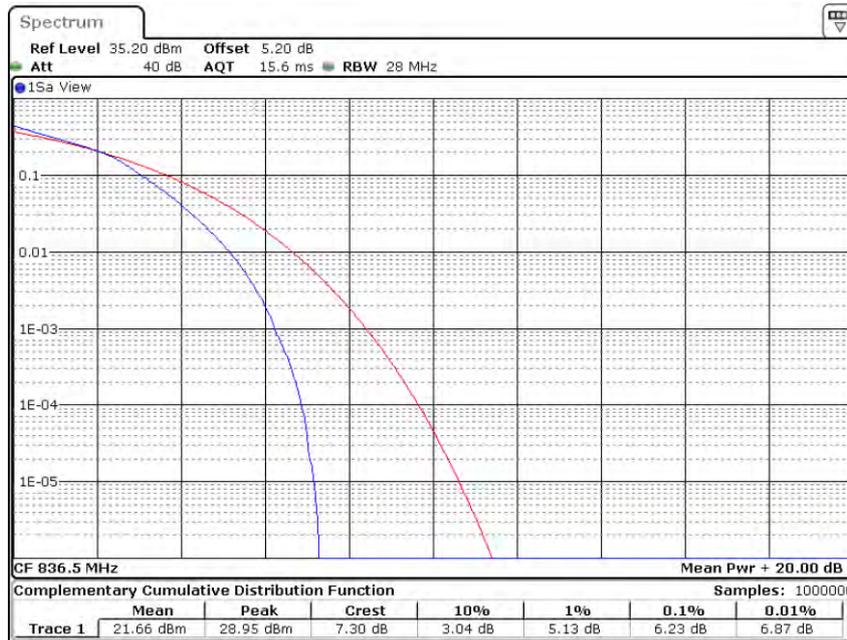
Date: 7 SEP 2020 14:48:33



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



Date: 7.SEP.2020 14:48:55

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



Date: 7.SEP.2020 14:49:18



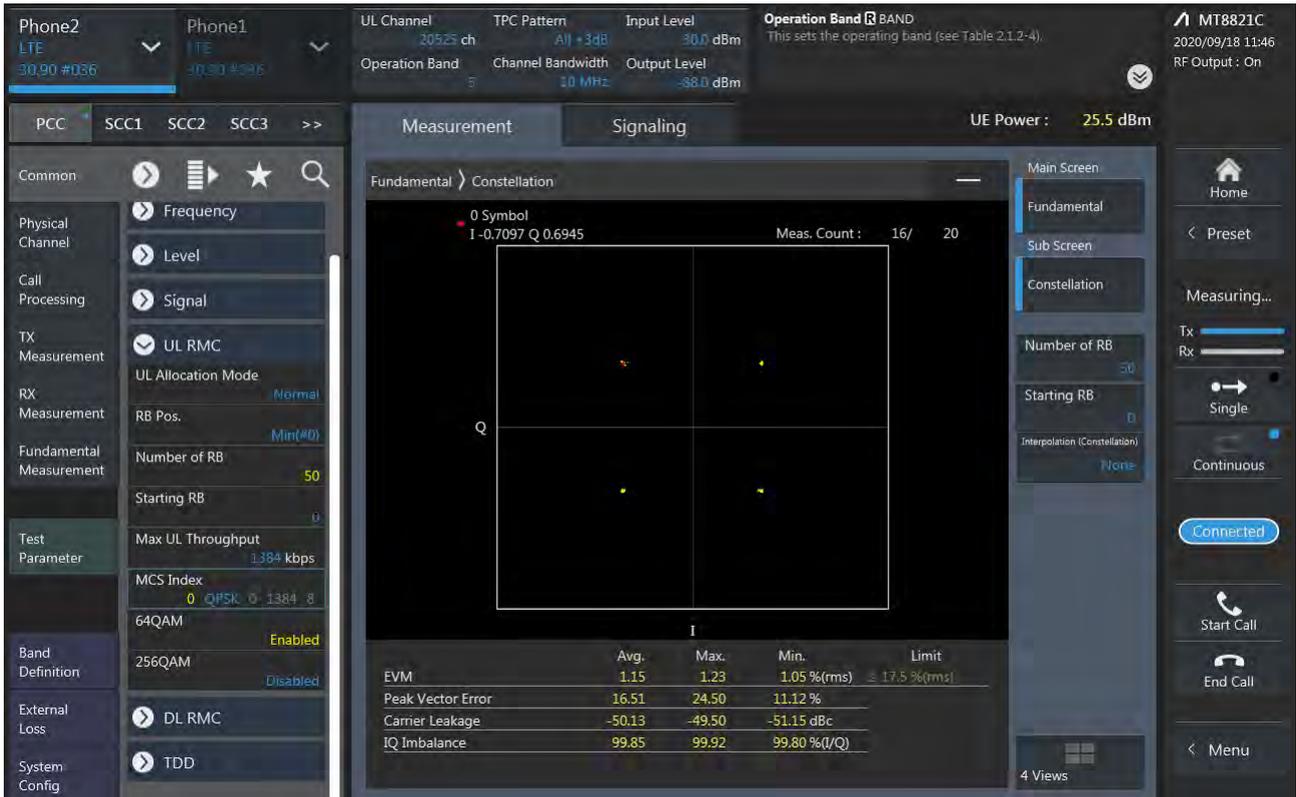
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### 3. Modulation Characteristics

#### 3.1. Test Mode = LTE /TM1 10MHz

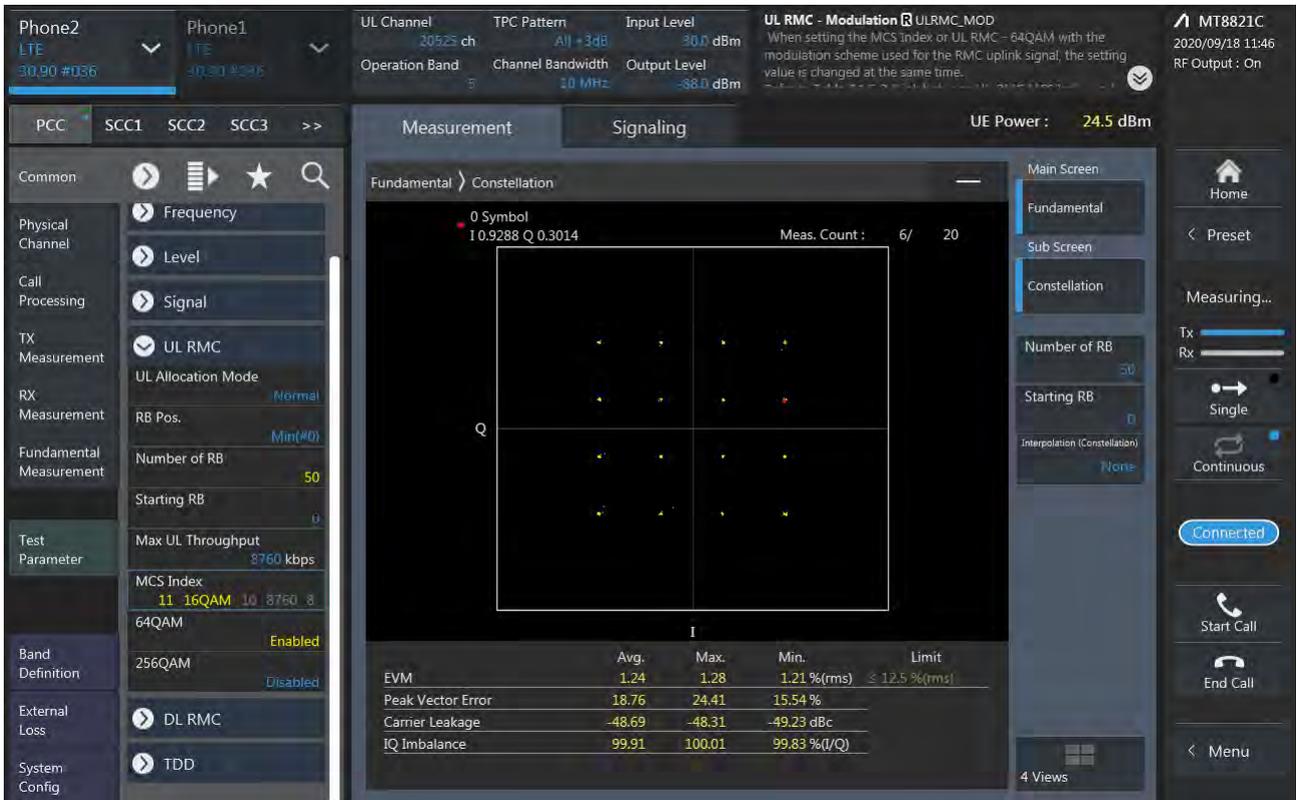
##### 3.1.1. Test Channel = MCH



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### 3.2. Test Mode = LTE /TM2 10MHz

#### 3.2.1. Test Channel = MCH



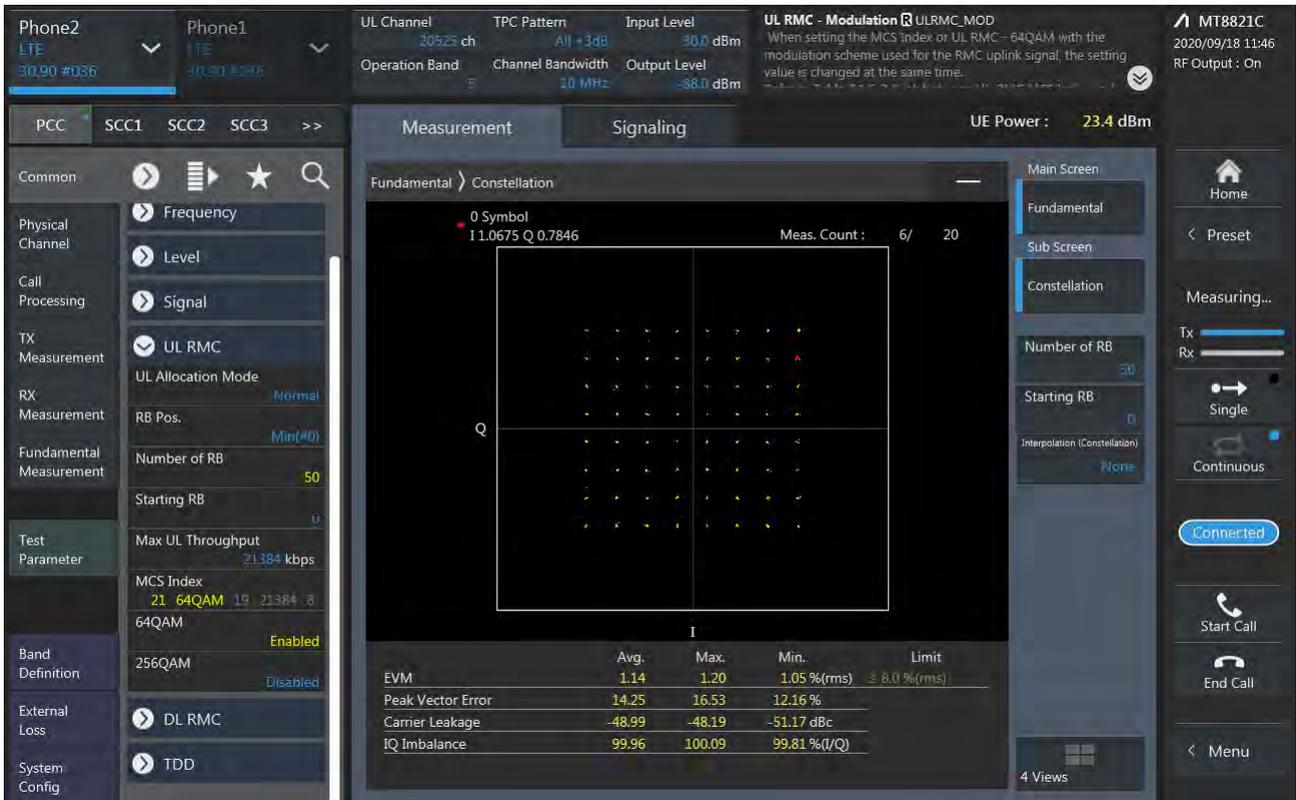
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### 3.3. Test Mode = LTE /TM3 10MHz

#### 3.3.1. Test Channel = MCH



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## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.094	1.287	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.094	1.287	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.091	1.284	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.1	1.302	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.094	1.302	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.097	1.302	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.088	1.290	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.091	1.281	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.091	1.284	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.697	2.994	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.691	2.982	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.697	2.994	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.697	2.970	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.685	2.976	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.691	2.976	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.685	2.976	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.691	2.970	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.685	2.970	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.466	4.930	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.476	4.950	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.476	4.930	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.466	4.910	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.476	4.910	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.476	4.910	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.476	4.940	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.476	4.940	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.486	4.950	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.911	9.740	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.951	9.660	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.931	9.700	PASS



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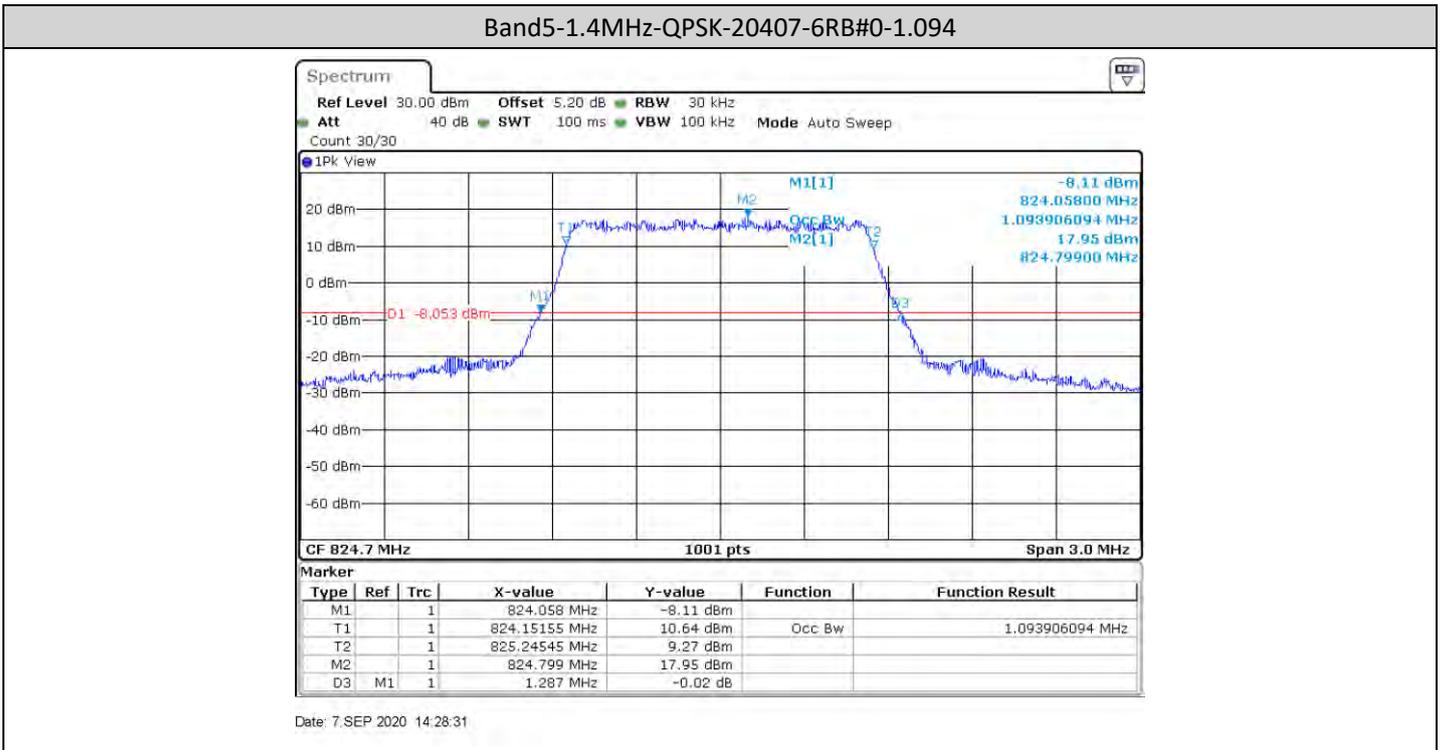
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Band5	10MHz	64QAM	20450	50RB#0	8.911	9.680	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.931	9.700	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.931	9.680	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.911	9.740	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.931	9.780	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.911	9.740	PASS

## 4.2. Test Plots



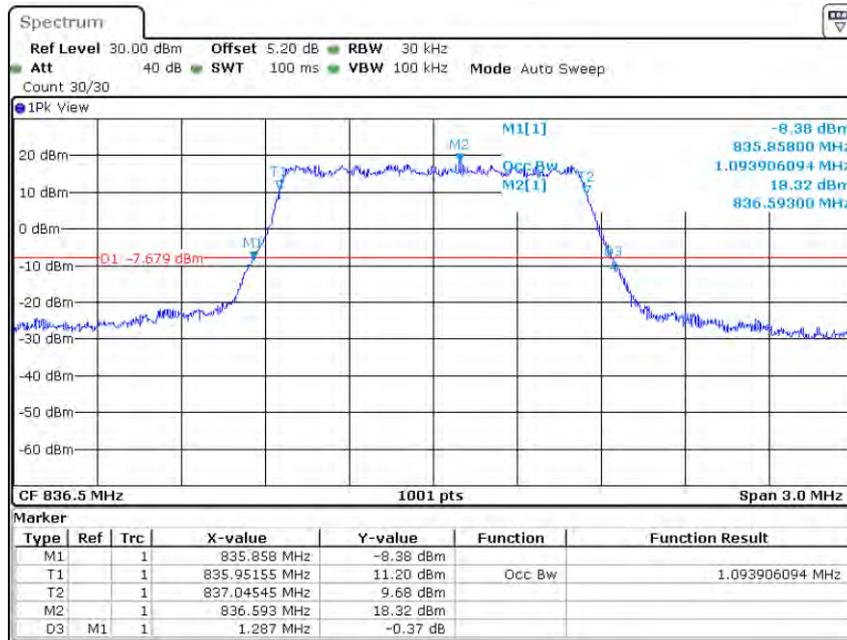
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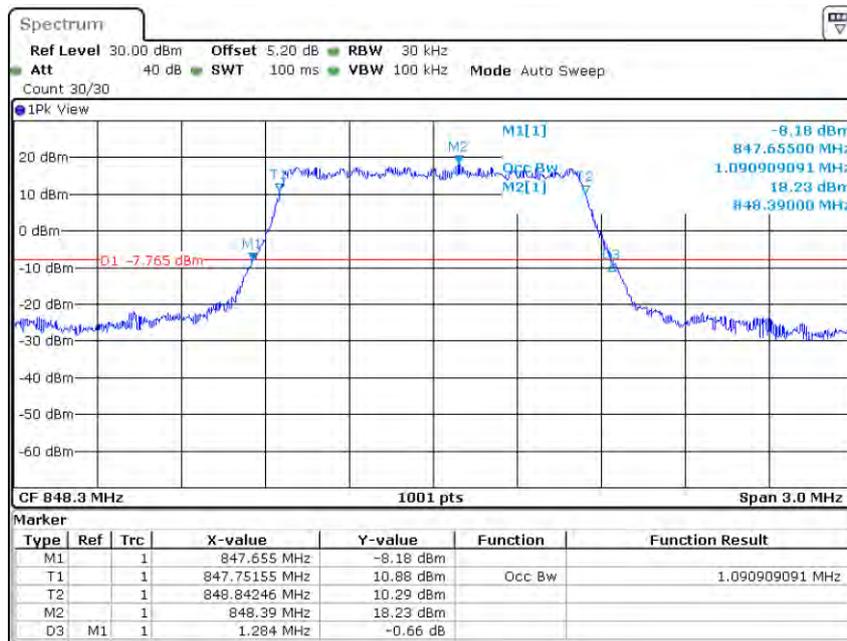


**Band5-1.4MHz-QPSK-20525-6RB#0-1.094**



Date: 7.SEP 2020 14:28:57

**Band5-1.4MHz-QPSK-20643-6RB#0-1.091**



Date: 7.SEP 2020 14:29:22

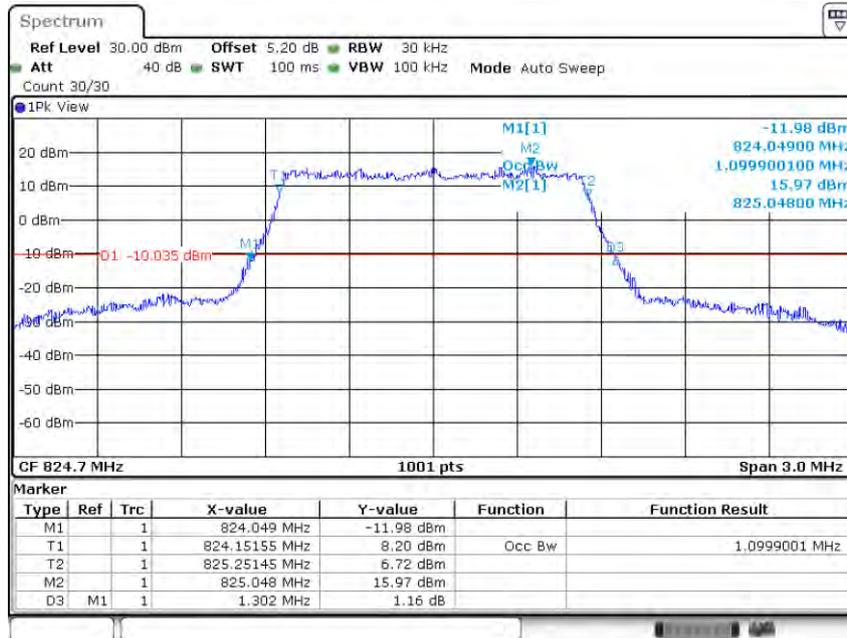


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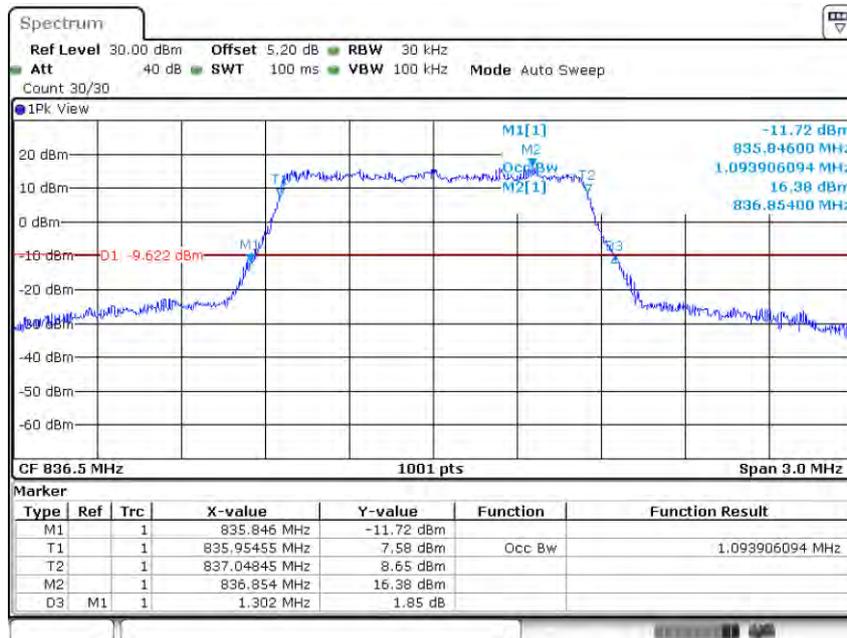


**Band5-1.4MHz-64QAM-20407-6RB#0-1.1**



Date: 8 SEP 2020 19:27:15

**Band5-1.4MHz-64QAM-20525-6RB#0-1.094**



Date: 8 SEP 2020 19:27:28

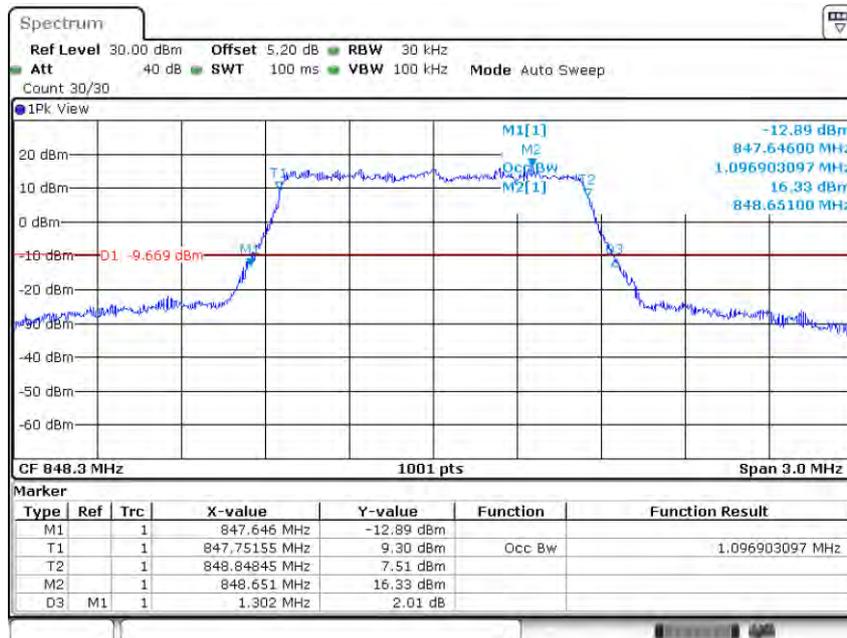


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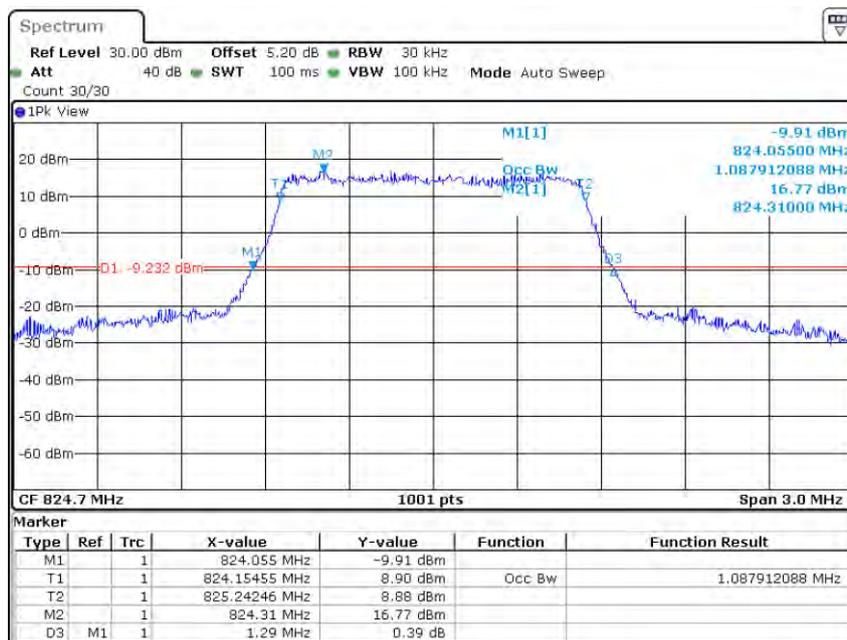


**Band5-1.4MHz-64QAM-20643-6RB#0-1.097**



Date: 8 SEP 2020 19:27:41

**Band5-1.4MHz-16QAM-20407-6RB#0-1.088**



Date: 7 SEP 2020 14:28:44

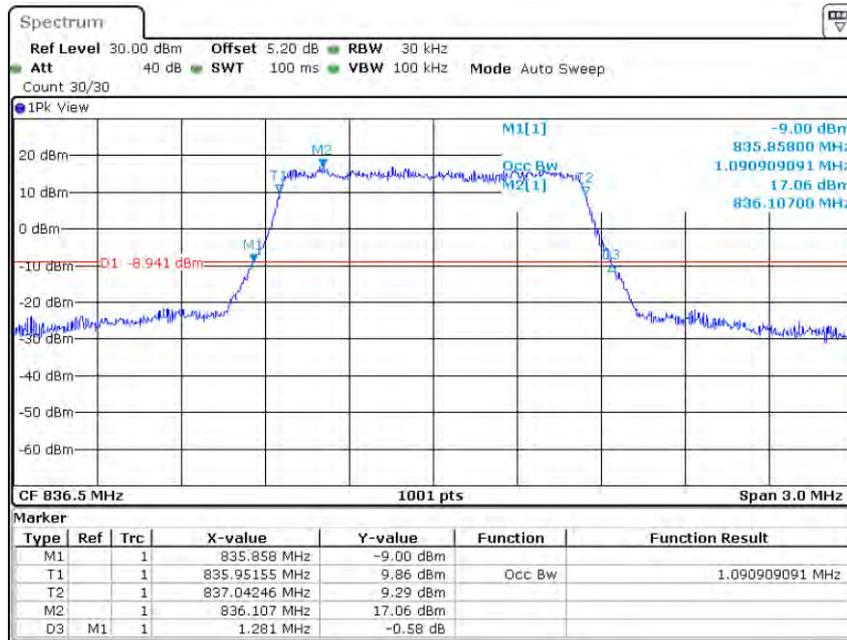


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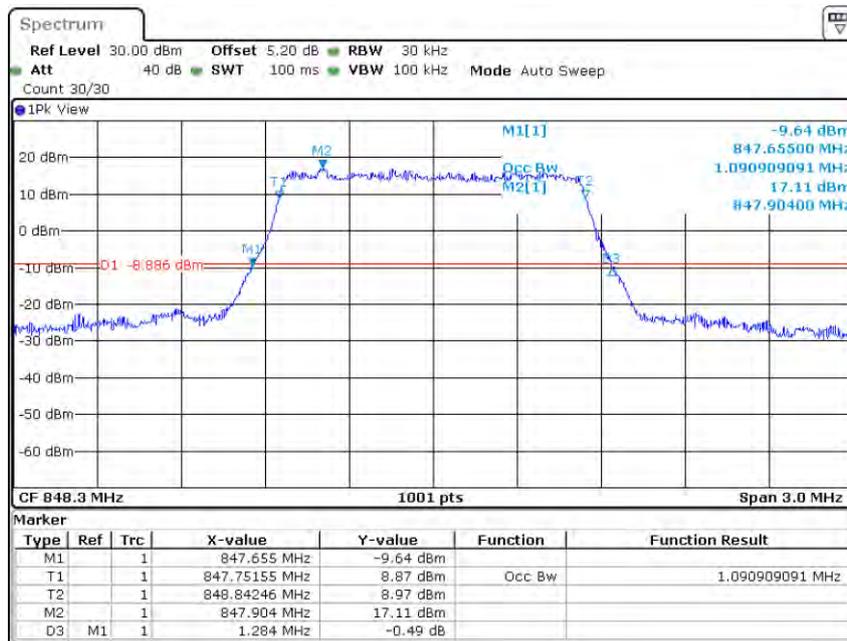


**Band5-1.4MHz-16QAM-20525-6RB#0-1.091**



Date: 7.SEP.2020 14:29:09

**Band5-1.4MHz-16QAM-20643-6RB#0-1.091**



Date: 7.SEP.2020 14:29:35



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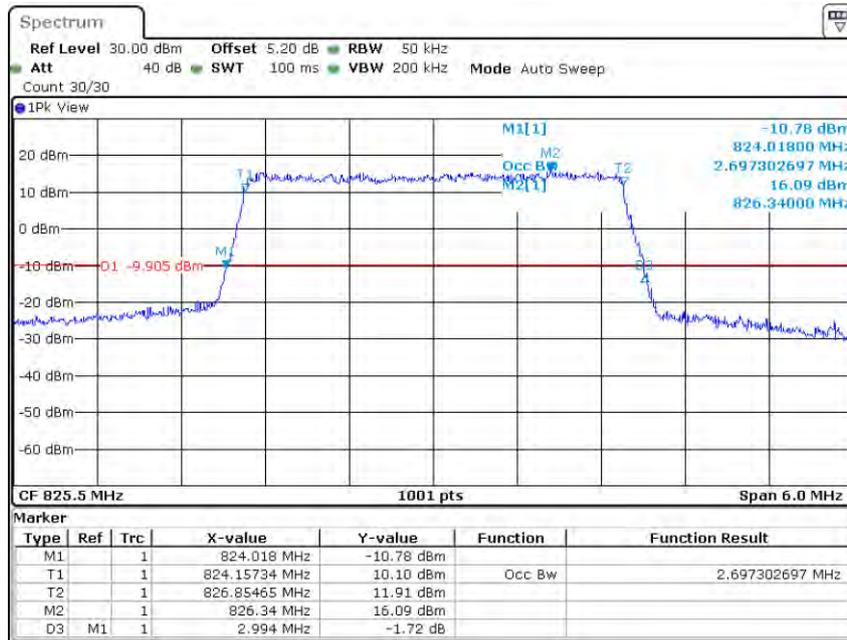
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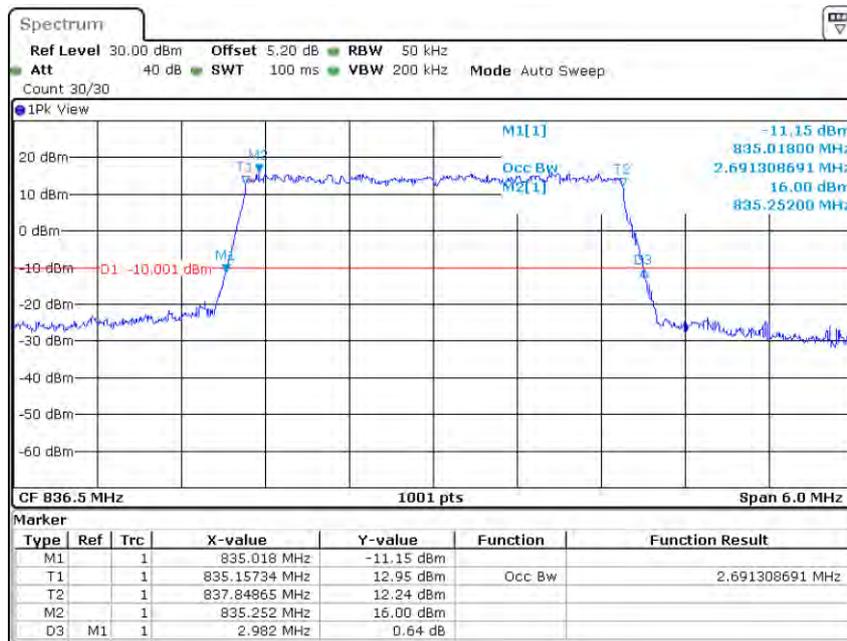


**Band5-3MHz-QPSK-20415-15RB#0-2.697**



Date: 7.SEP 2020 14:29:54

**Band5-3MHz-QPSK-20525-15RB#0-2.691**



Date: 7.SEP 2020 14:30:19



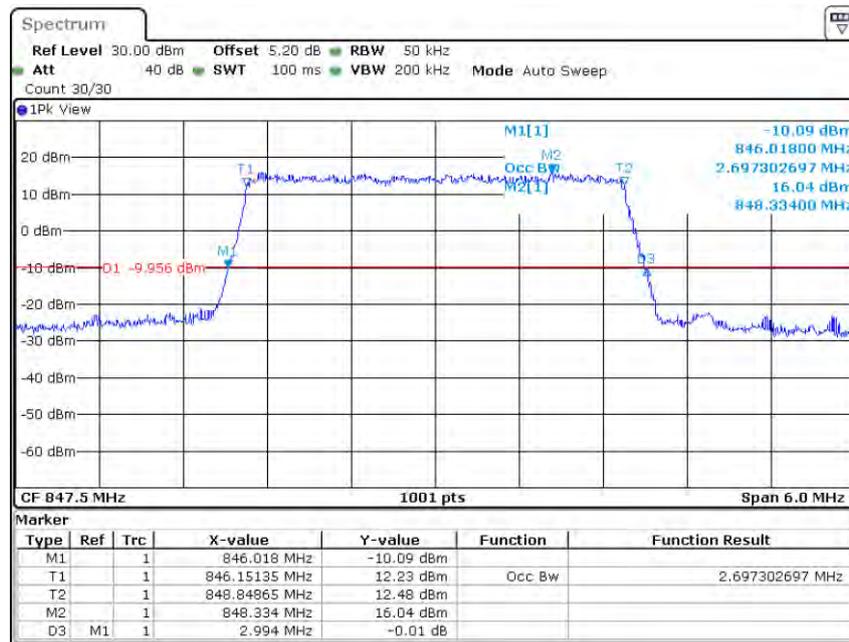
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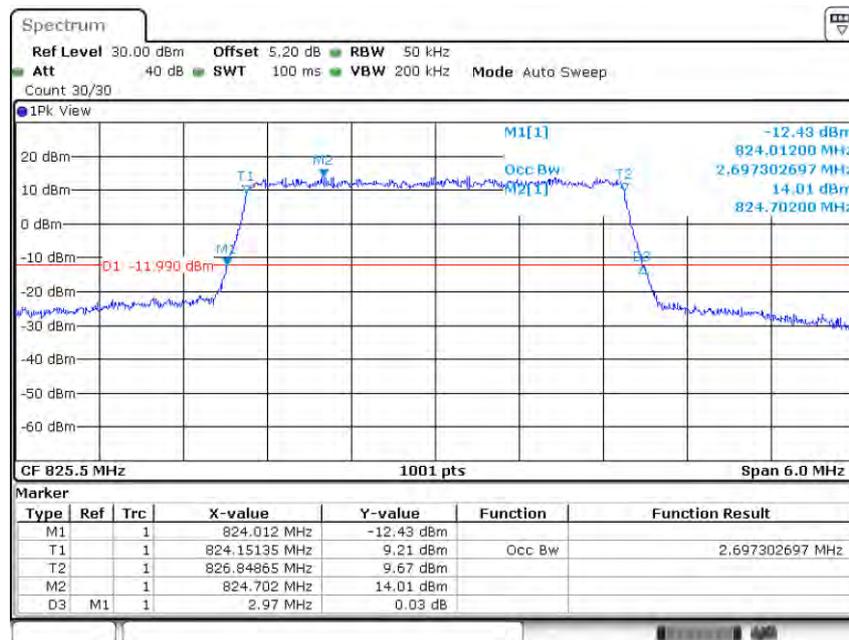


**Band5-3MHz-QPSK-20635-15RB#0-2.697**



Date: 7 SEP 2020 14:30:45

**Band5-3MHz-64QAM-20415-15RB#0-2.697**



Date: 8 SEP 2020 19:28:01

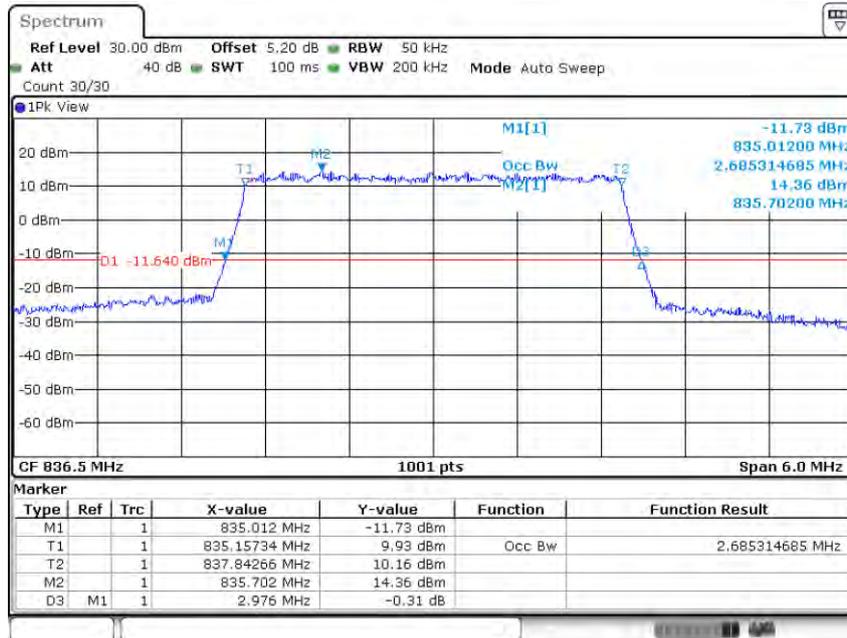


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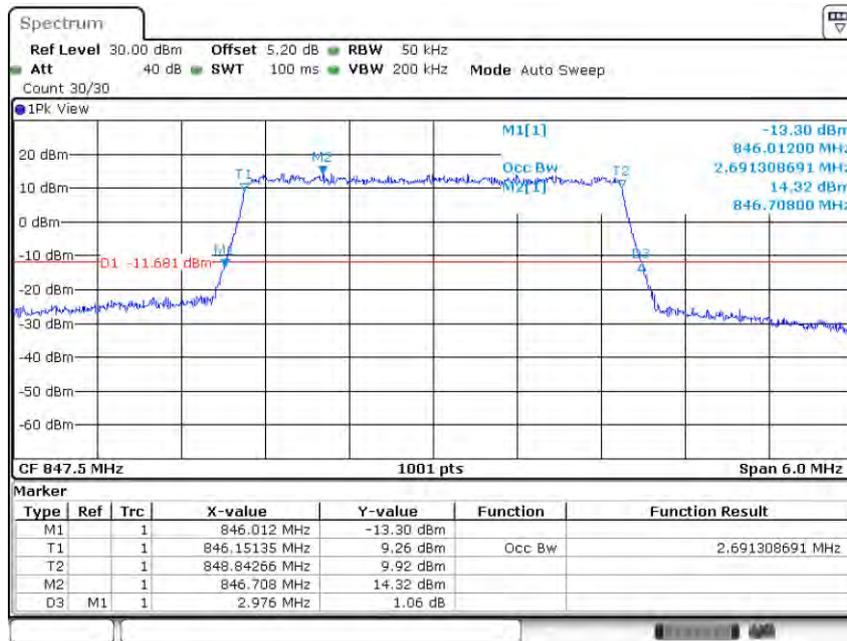


Band5-3MHz-64QAM-20525-15RB#0-2.685



Date: 8 SEP 2020 19:28:13

Band5-3MHz-64QAM-20635-15RB#0-2.691



Date: 8 SEP 2020 19:28:26



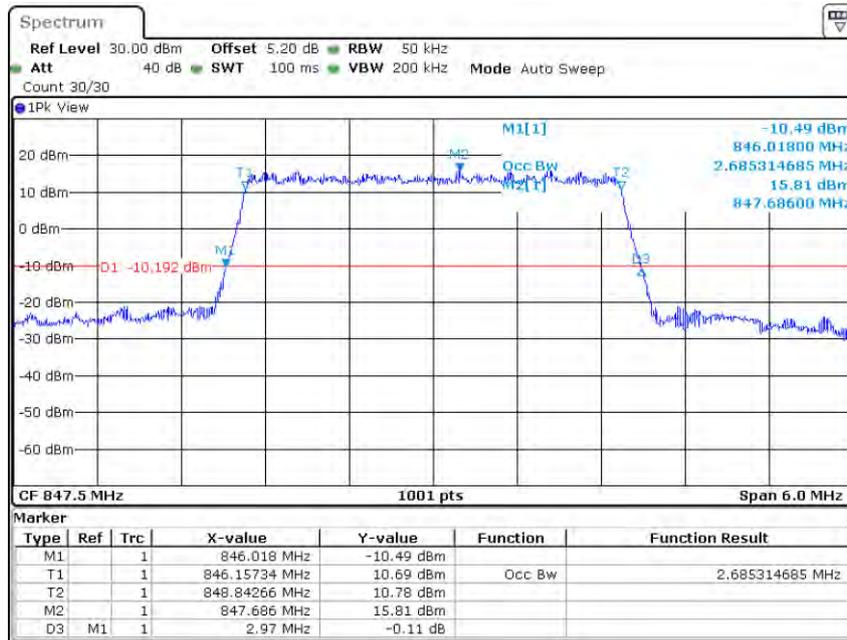
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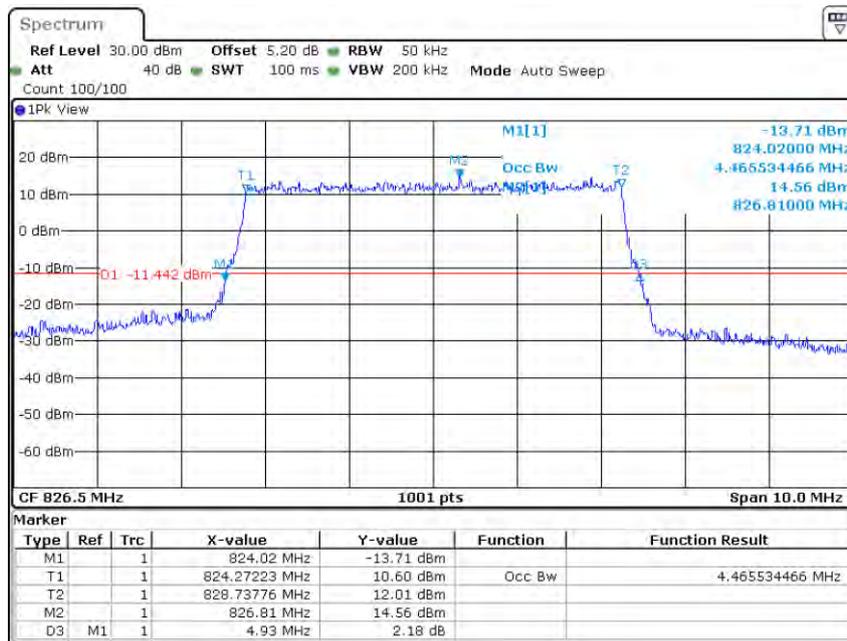


**Band5-3MHz-16QAM-20635-15RB#0-2.685**



Date: 7.SEP 2020 14:30:57

**Band5-5MHz-QPSK-20425-25RB#0-4.466**



Date: 7.SEP 2020 14:31:23

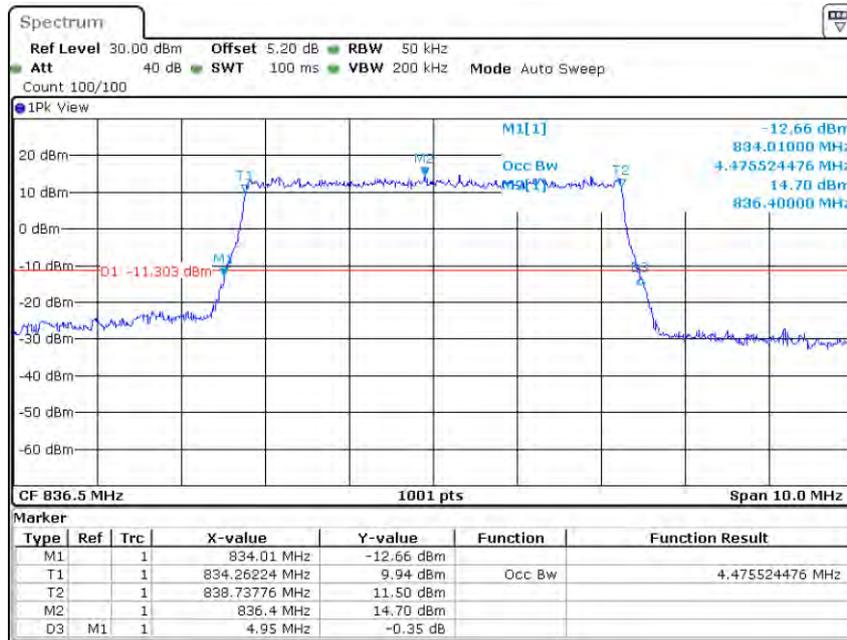


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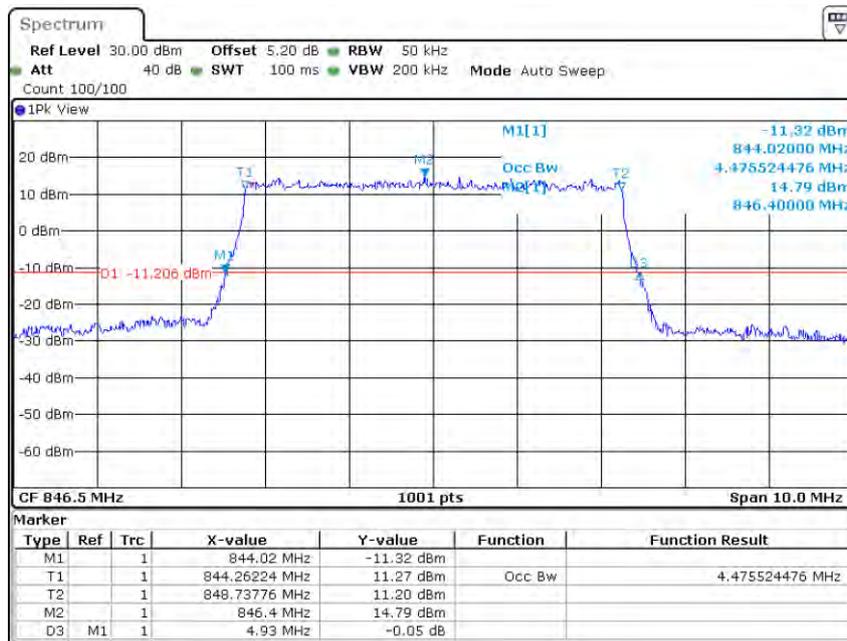


**Band5-5MHz-QPSK-20525-25RB#0-4.476**



Date: 7.SEP 2020 14:32:02

**Band5-5MHz-QPSK-20625-25RB#0-4.476**



Date: 7.SEP 2020 14:32:42

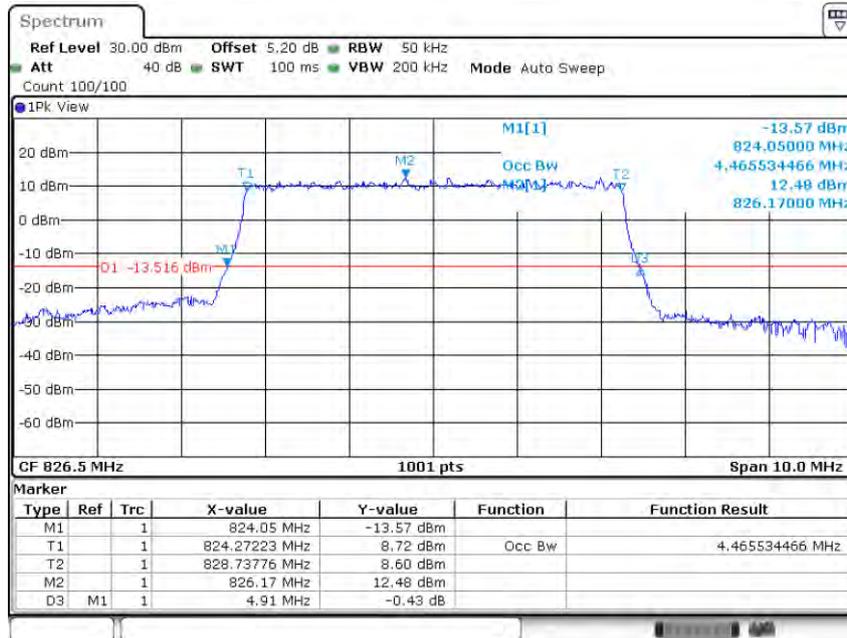


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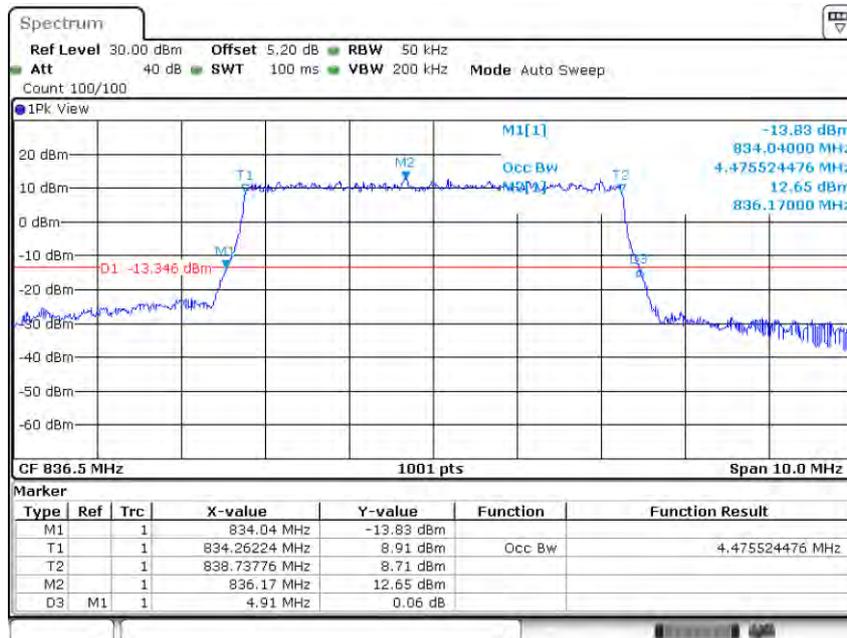


**Band5-5MHz-64QAM-20425-25RB#0-4.466**



Date: 8 SEP 2020 19:28:53

**Band5-5MHz-64QAM-20525-25RB#0-4.476**



Date: 8 SEP 2020 19:29:13



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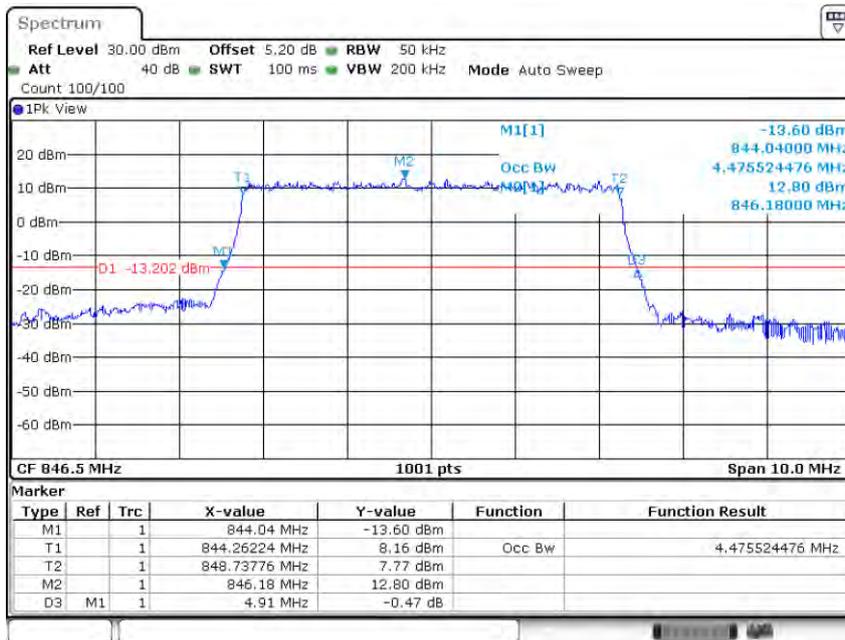
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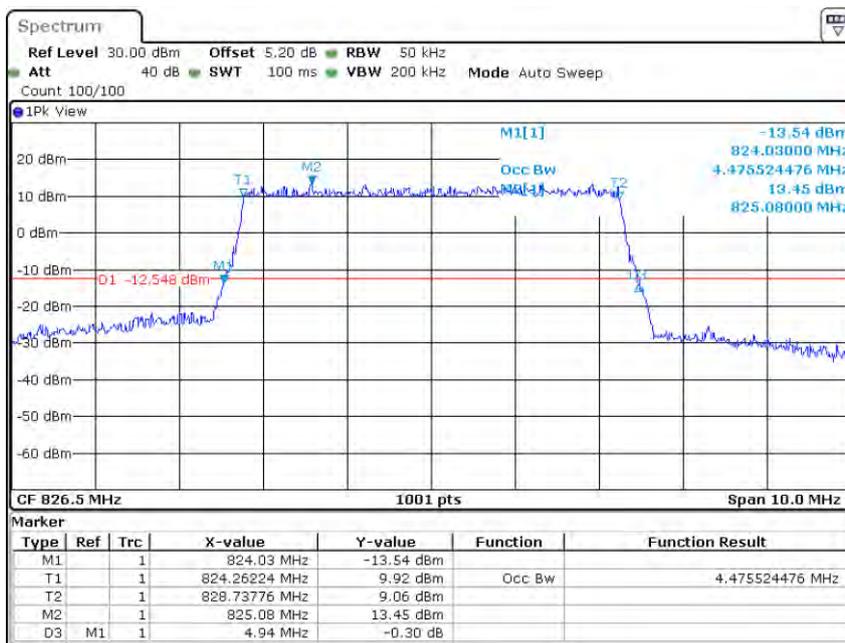


Band5-5MHz-64QAM-20625-25RB#0-4.476



Date: 8 SEP 2020 19:29:33

Band5-5MHz-16QAM-20425-25RB#0-4.476



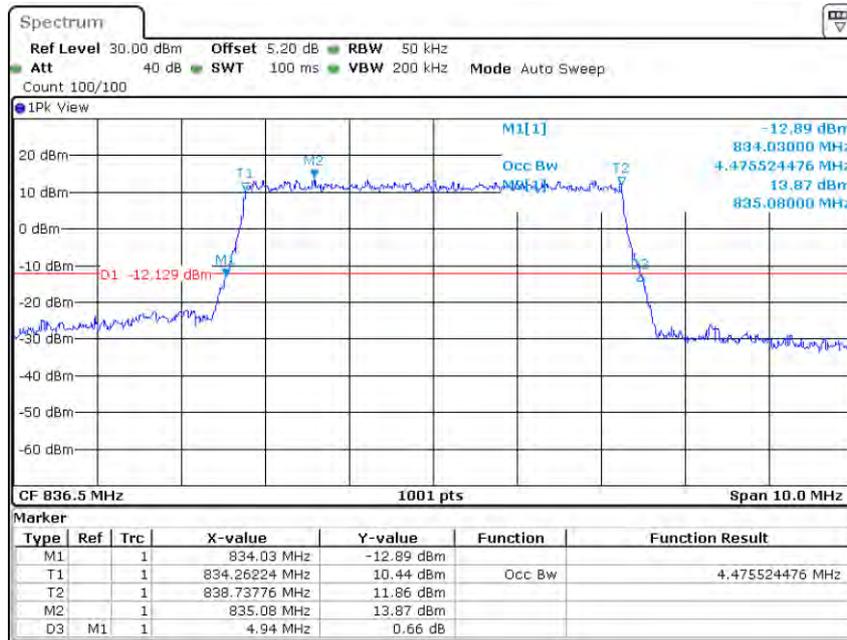
Date: 7 SEP 2020 14:31:43



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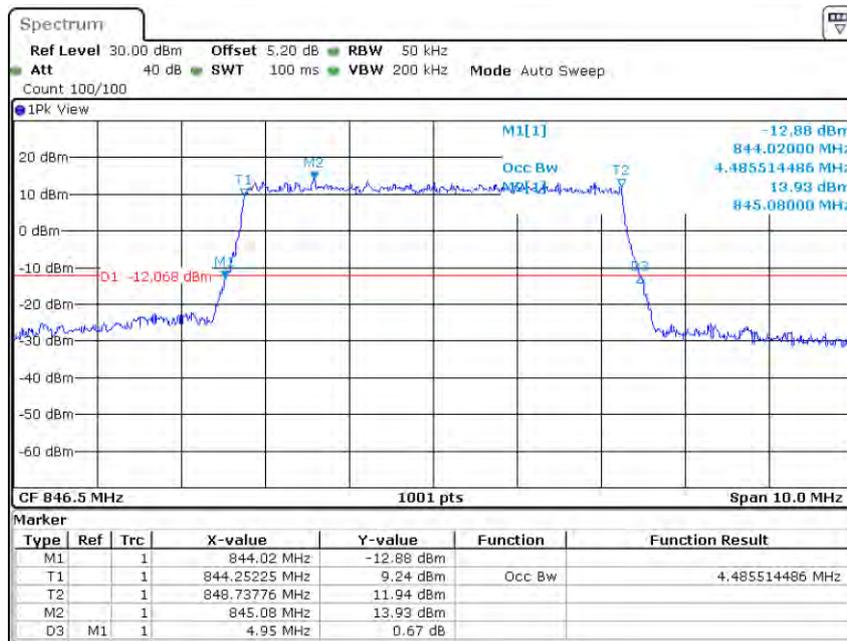


**Band5-5MHz-16QAM-20525-25RB#0-4.476**



Date: 7.SEP 2020 14:32:22

**Band5-5MHz-16QAM-20625-25RB#0-4.486**



Date: 7.SEP 2020 14:33:02



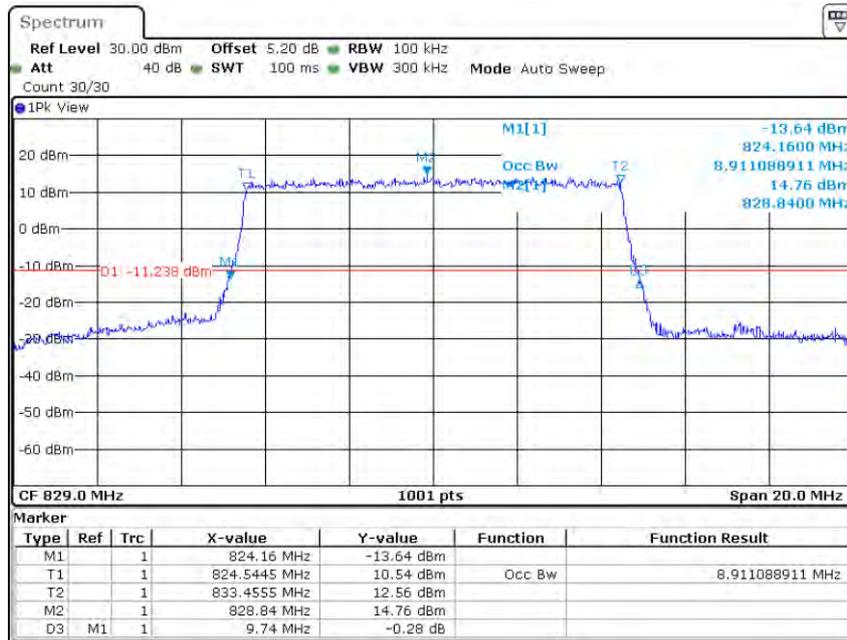
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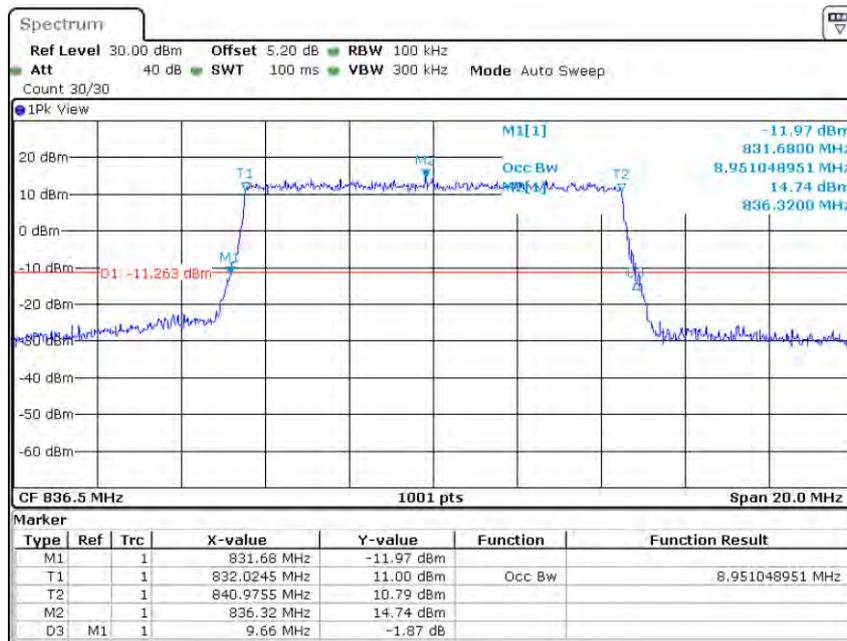


**Band5-10MHz-QPSK-20450-50RB#0-8.911**



Date: 7.SEP 2020 14:33:20

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Date: 7.SEP 2020 14:33:46

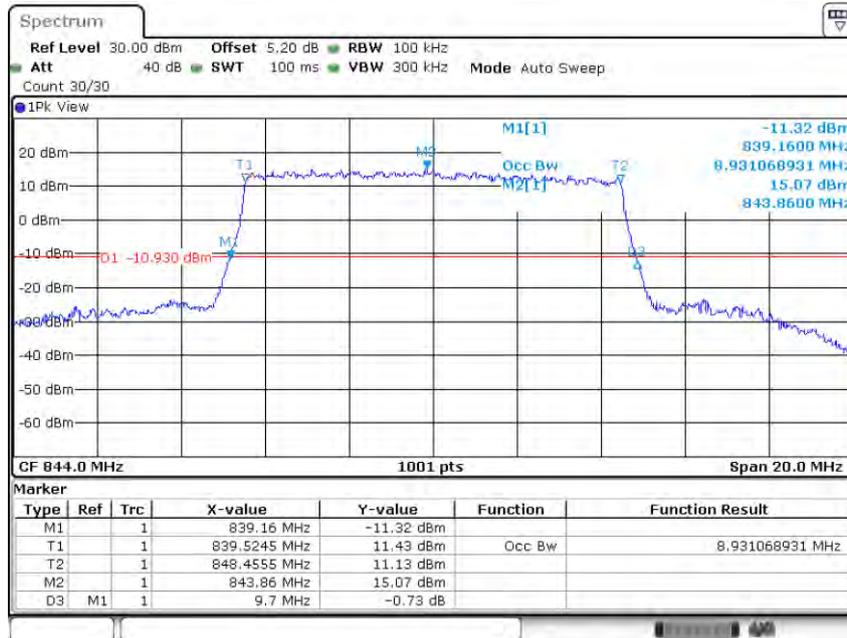


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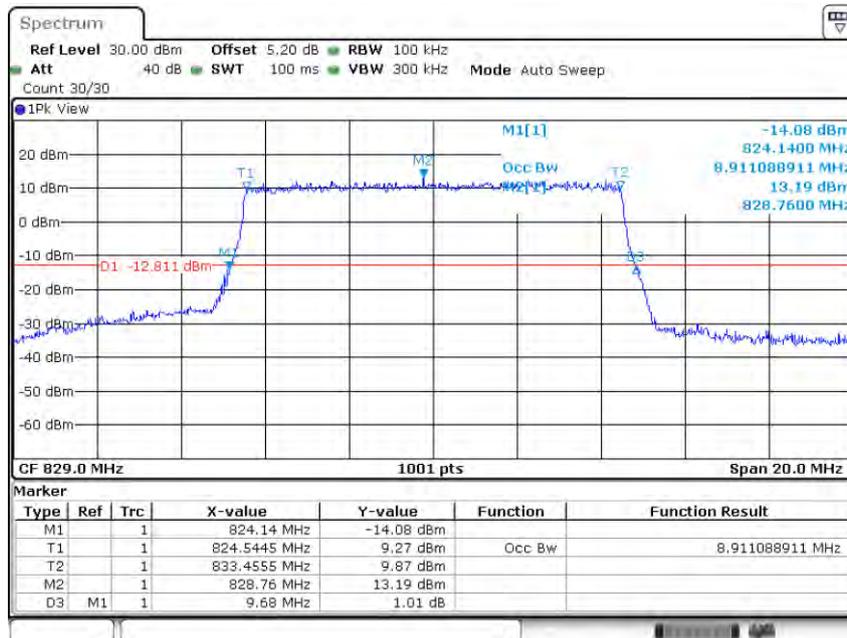


**Band5-10MHz-QPSK-20600-50RB#0-8.931**



Date: 9 SEP 2020 20:42:58

**Band5-10MHz-64QAM-20450-50RB#0-8.911**



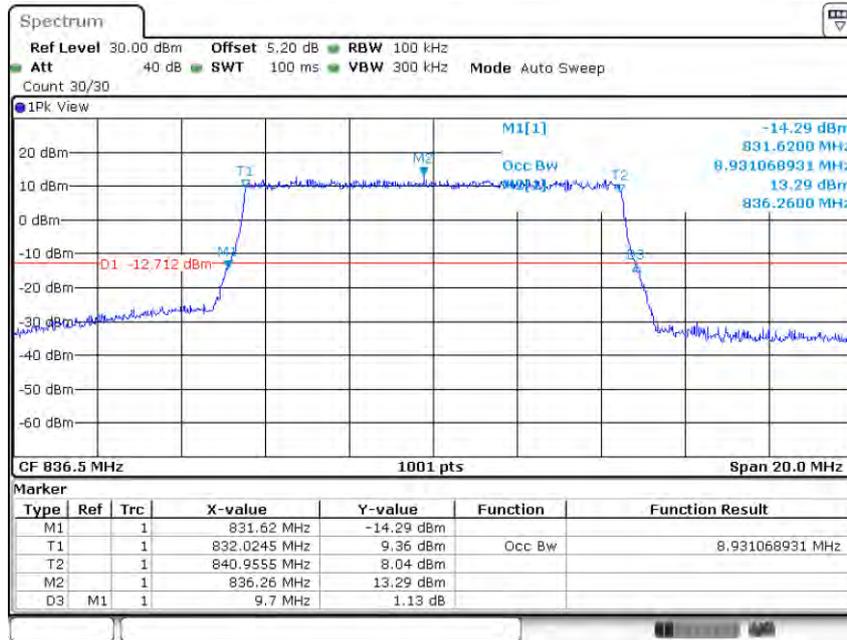
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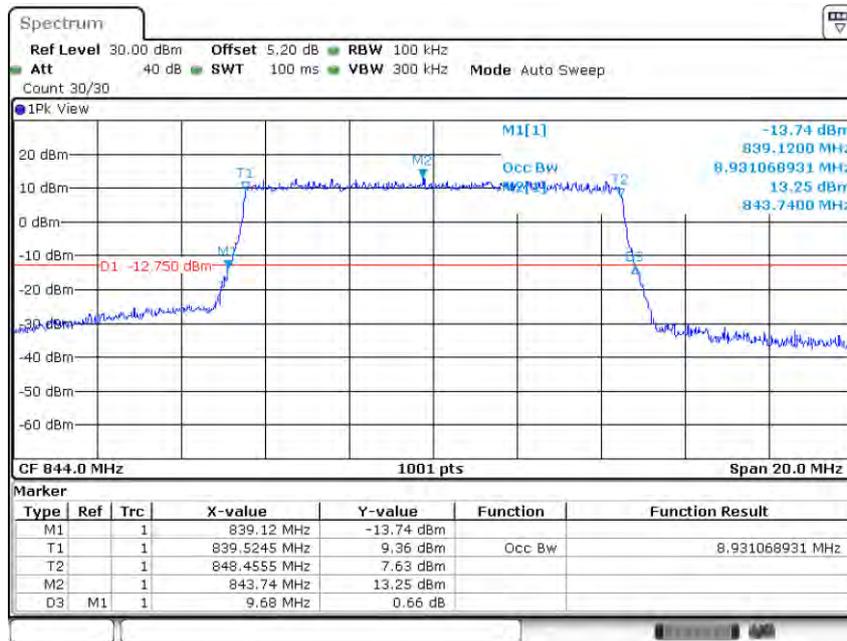


Band5-10MHz-64QAM-20525-50RB#0-8.931



Date: 8 SEP 2020 19:30:06

Band5-10MHz-64QAM-20600-50RB#0-8.931



Date: 8 SEP 2020 19:30:19

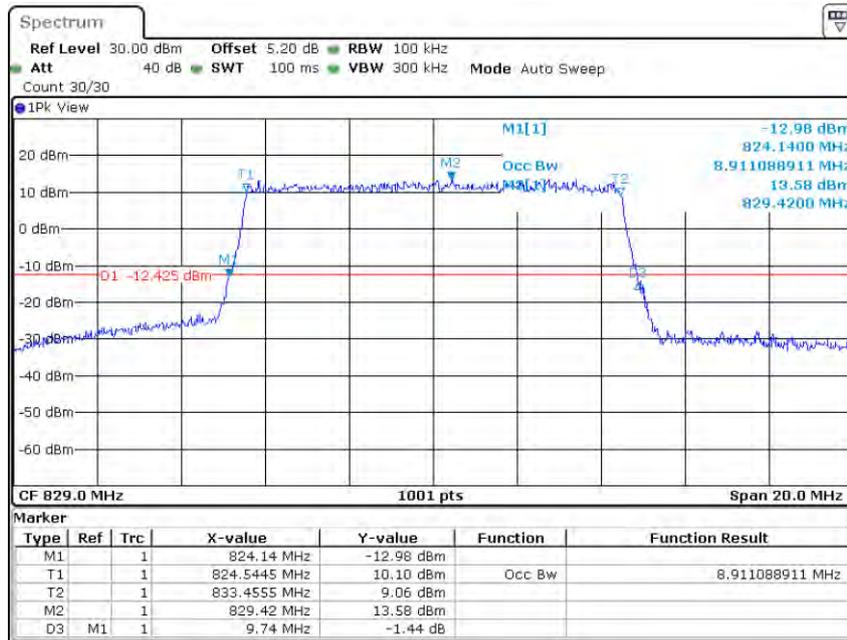


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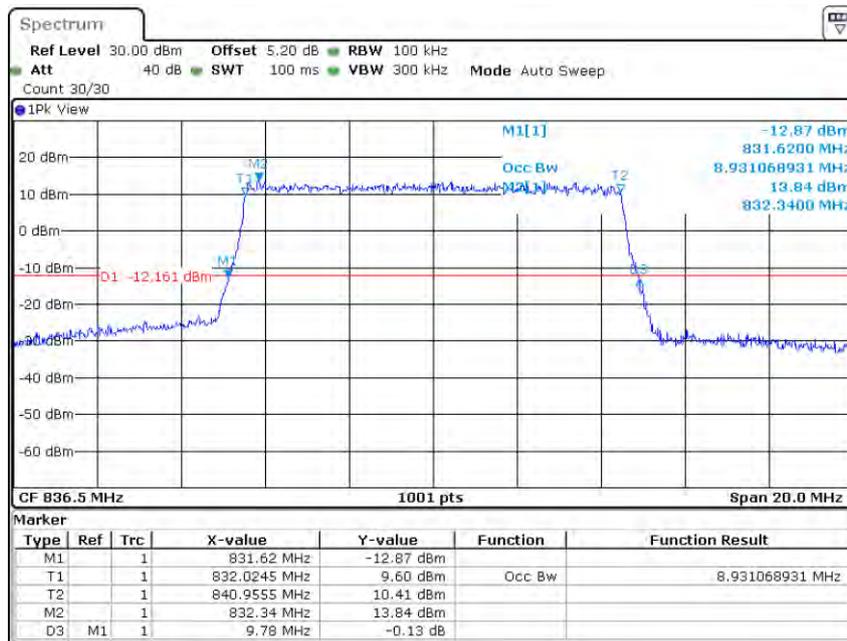


**Band5-10MHz-16QAM-20450-50RB#0-8.911**



Date: 7.SEP 2020 14:33:33

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Date: 7.SEP 2020 14:33:58

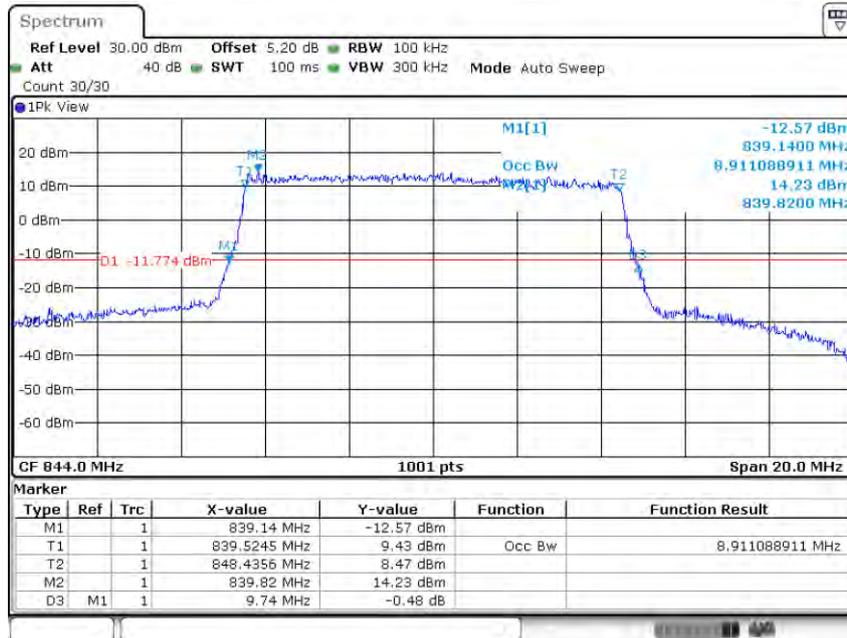


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Band5-10MHz-16QAM-20600-50RB#0-8.911



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## 5. Band Edge Compliance

### 5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	-22.97	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-27.63	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-21.82	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-29.35	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	-26.00	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	-29.24	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	-24.43	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	-30.09	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-23.49	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-27.75	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-22.91	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-29.41	PASS
Band5	3MHz	QPSK	20415	1RB#0	-22.09	PASS
Band5	3MHz	QPSK	20415	15RB#0	-28.40	PASS
Band5	3MHz	QPSK	20635	1RB#14	-21.57	PASS
Band5	3MHz	QPSK	20635	15RB#0	-28.89	PASS
Band5	3MHz	64QAM	20415	1RB#0	-25.12	PASS
Band5	3MHz	64QAM	20415	15RB#0	-30.25	PASS
Band5	3MHz	64QAM	20635	1RB#14	-23.87	PASS
Band5	3MHz	64QAM	20635	15RB#0	-30.65	PASS
Band5	3MHz	16QAM	20415	1RB#0	-22.25	PASS
Band5	3MHz	16QAM	20415	15RB#0	-28.93	PASS
Band5	3MHz	16QAM	20635	1RB#14	-22.64	PASS
Band5	3MHz	16QAM	20635	15RB#0	-30.05	PASS
Band5	5MHz	QPSK	20425	1RB#0	-22.58	PASS
Band5	5MHz	QPSK	20425	25RB#0	-28.69	PASS
Band5	5MHz	QPSK	20625	1RB#24	-22.72	PASS
Band5	5MHz	QPSK	20625	25RB#0	-29.64	PASS
Band5	5MHz	64QAM	20425	1RB#0	-24.91	PASS
Band5	5MHz	64QAM	20425	25RB#0	-30.03	PASS
Band5	5MHz	64QAM	20625	1RB#24	-24.00	PASS
Band5	5MHz	64QAM	20625	25RB#0	-31.67	PASS



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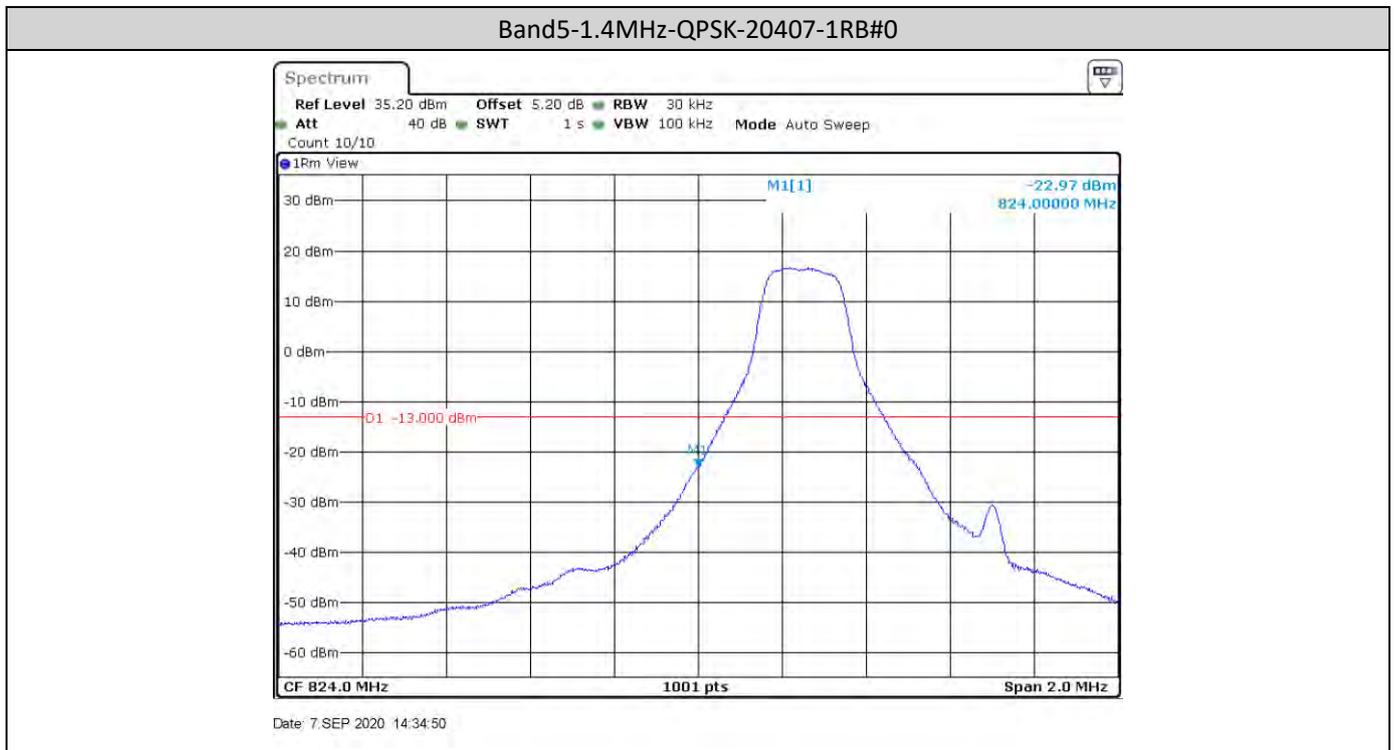
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Band5	5MHz	16QAM	20425	1RB#0	-23.10	PASS
Band5	5MHz	16QAM	20425	25RB#0	-29.13	PASS
Band5	5MHz	16QAM	20625	1RB#24	-22.40	PASS
Band5	5MHz	16QAM	20625	25RB#0	-30.32	PASS
Band5	10MHz	QPSK	20450	1RB#0	-32.69	PASS
Band5	10MHz	QPSK	20450	50RB#0	-31.55	PASS
Band5	10MHz	QPSK	20600	1RB#49	-32.05	PASS
Band5	10MHz	QPSK	20600	50RB#0	-33.37	PASS
Band5	10MHz	64QAM	20450	1RB#0	-34.71	PASS
Band5	10MHz	64QAM	20450	50RB#0	-32.77	PASS
Band5	10MHz	64QAM	20600	1RB#49	-34.41	PASS
Band5	10MHz	64QAM	20600	50RB#0	-35.39	PASS
Band5	10MHz	16QAM	20450	1RB#0	-32.43	PASS
Band5	10MHz	16QAM	20450	50RB#0	-31.91	PASS
Band5	10MHz	16QAM	20600	1RB#49	-33.40	PASS
Band5	10MHz	16QAM	20600	50RB#0	-34.34	PASS

## 5.2. Test Plots



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



Date: 7.SEP 2020 14:35:31

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



Date: 7.SEP 2020 14:36:17



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



Date: 7 SEP 2020 14:36:58

**Band5-1.4MHz-64QAM-20407-1RB#0**



Date: 8 SEP 2020 19:30:46



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



Date: 8 SEP 2020 19:31:07

**Band5-1.4MHz-64QAM-20643-1RB#5**



Date: 8 SEP 2020 19:31:33



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



Date: 8 SEP 2020 19:31:53

**Band5-1.4MHz-16QAM-20407-1RB#0**



Date: 7 SEP 2020 14:35:11



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



Date: 7.SEP 2020 14:35:52

**Band5-1.4MHz-16QAM-20643-1RB#5**



Date: 7.SEP 2020 14:36:38



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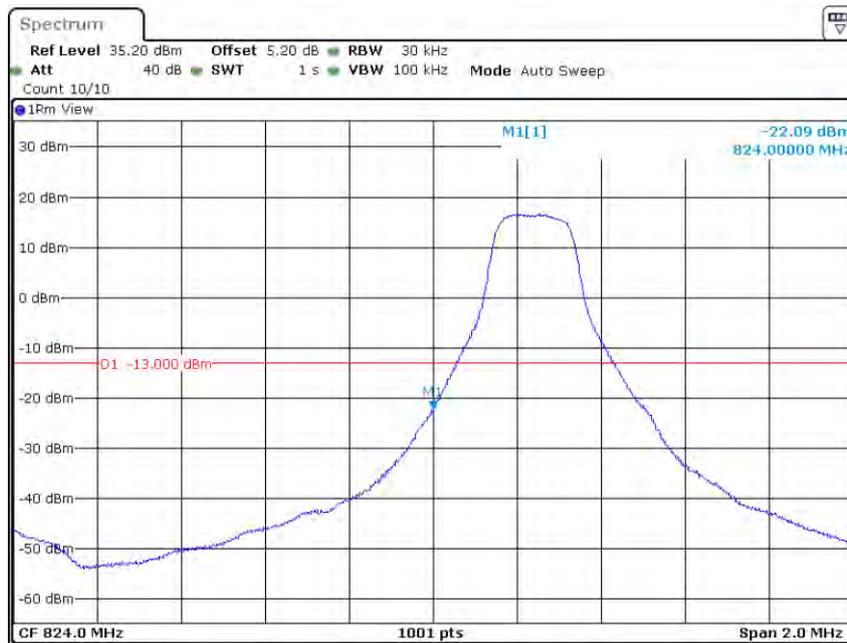


**Band5-1.4MHz-16QAM-20643-6RB#0**



Date: 7.SEP 2020 14:37:19

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



Date: 7.SEP 2020 14:37:45



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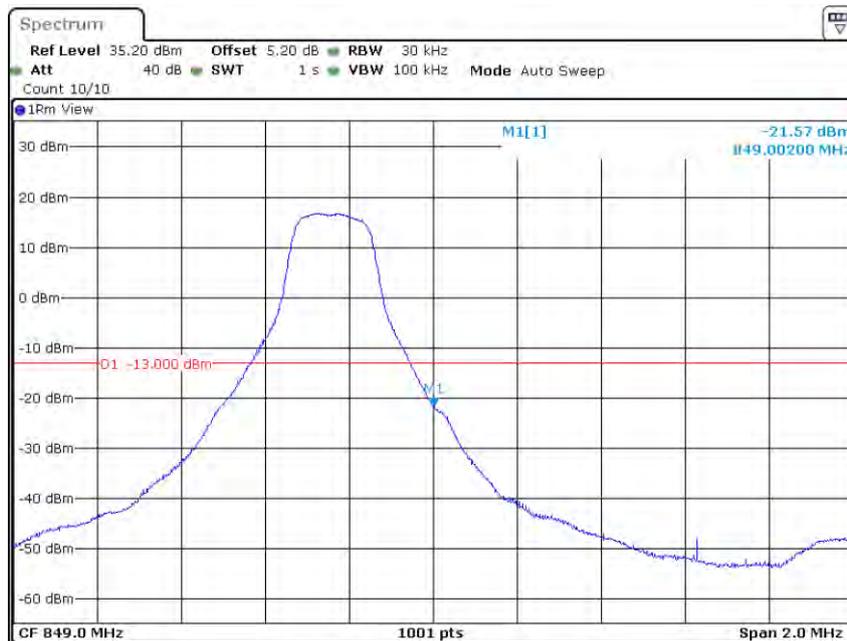


**Band5-3MHz-QPSK-20415-15RB#0**



Date: 7.SEP 2020 14:38:26

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



Date: 7.SEP 2020 14:39:12



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



Date: 7 SEP 2020 14:39:53

**Band5-3MHz-64QAM-20415-1RB#0**



Date: 8 SEP 2020 19:32:21



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



Date: 8 SEP 2020 19:32:42

**Band5-3MHz-64QAM-20635-1RB#14**



Date: 8 SEP 2020 19:33:07



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



Date: 8 SEP 2020 19:33:28

**Band5-3MHz-16QAM-20415-1RB#0**



Date: 7 SEP 2020 14:38:06



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



Date: 7.SEP 2020 14:38:47

**Band5-3MHz-16QAM-20635-1RB#14**



Date: 7.SEP 2020 14:39:33



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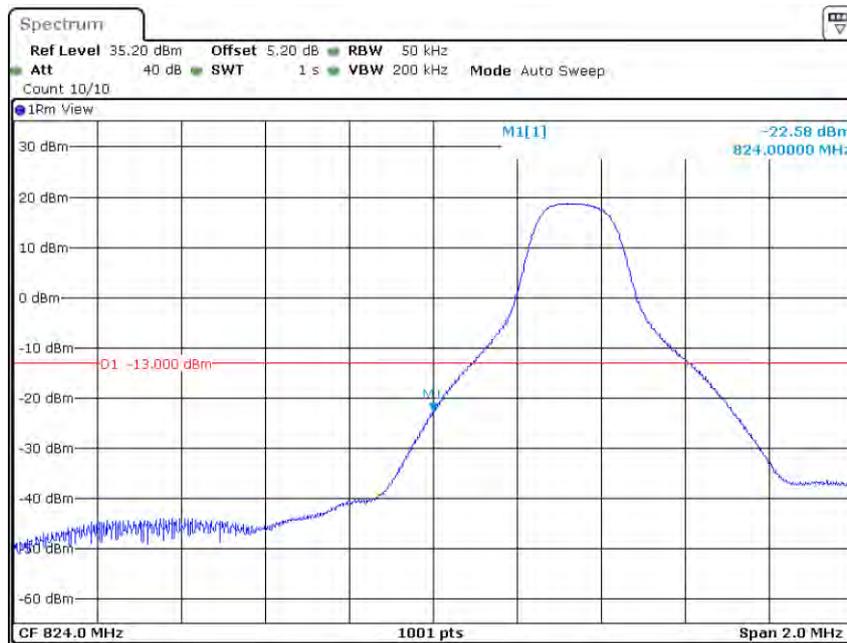


**Band5-3MHz-16QAM-20635-15RB#0**



Date: 7.SEP 2020 14:40:14

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



Date: 7.SEP 2020 14:40:41



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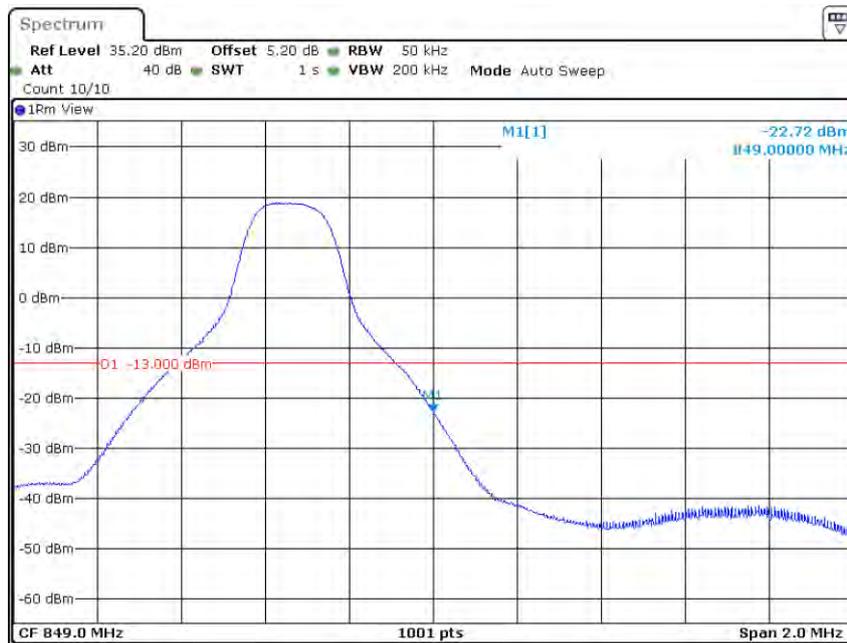


**Band5-5MHz-QPSK-20425-25RB#0**



Date: 7.SEP 2020 14:41:22

**Band5-5MHz-QPSK-20625-1RB#24**



Date: 7.SEP 2020 14:42:07



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



Date: 7 SEP 2020 14:42:48

**Band5-5MHz-64QAM-20425-1RB#0**



Date: 8 SEP 2020 19:33:55



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



Date: 8 SEP 2020 19:34:16

**Band5-5MHz-64QAM-20625-1RB#24**



Date: 8 SEP 2020 19:34:41



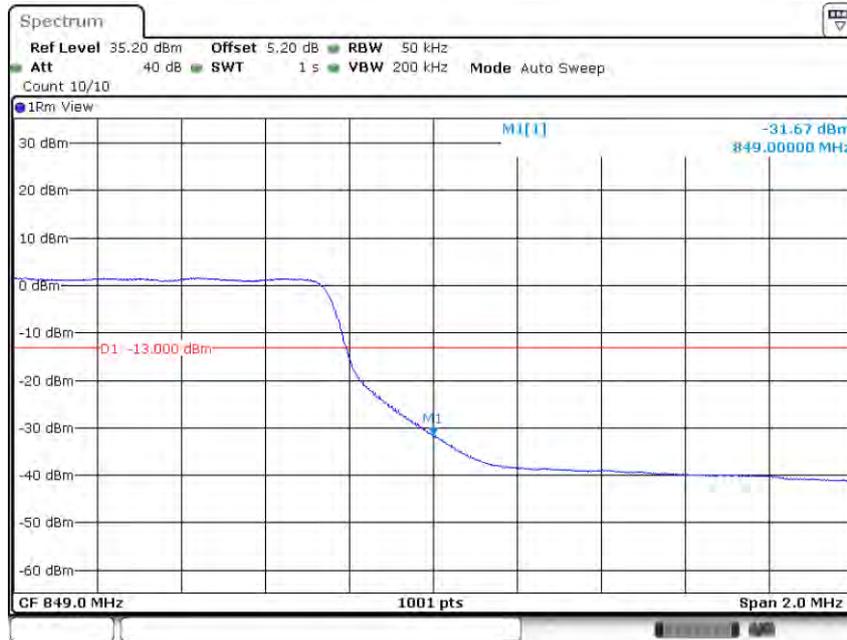
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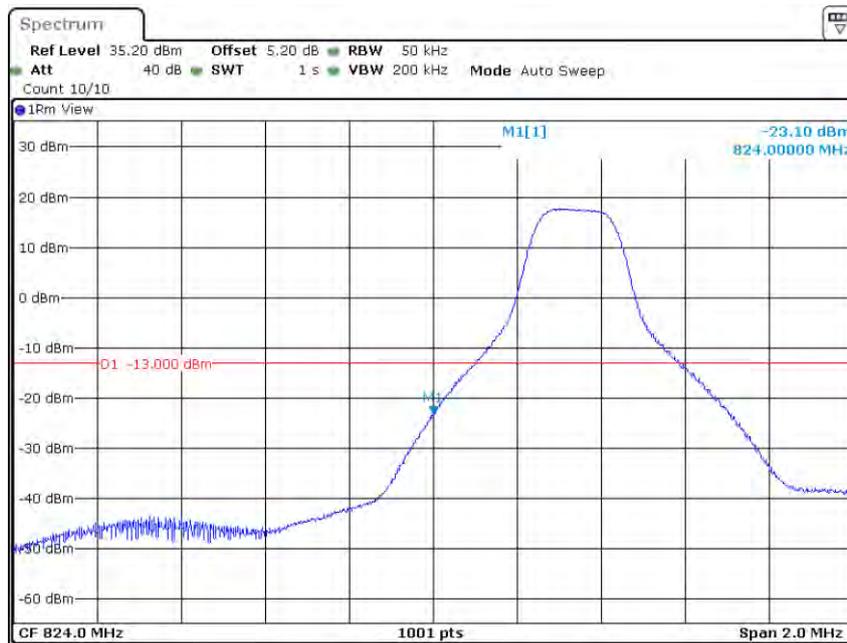


**Band5-5MHz-64QAM-20625-25RB#0**



Date: 8 SEP 2020 19:35:02

**Band5-5MHz-16QAM-20425-1RB#0**



Date: 7 SEP 2020 14:41:01



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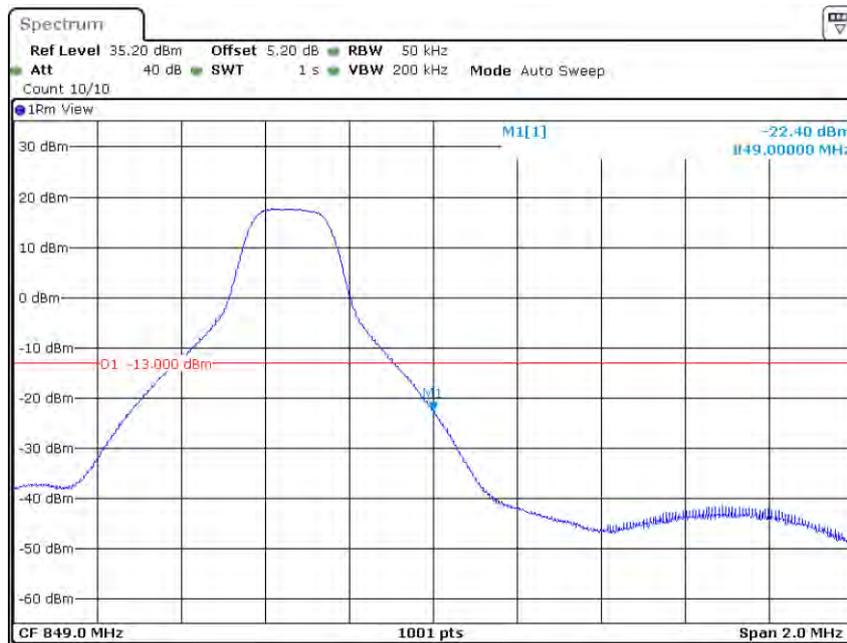


**Band5-5MHz-16QAM-20425-25RB#0**



Date: 7.SEP 2020 14:41:42

**Band5-5MHz-16QAM-20625-1RB#24**



Date: 7.SEP 2020 14:42:28



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**Band5-5MHz-16QAM-20625-25RB#0**



Date: 7.SEP 2020 14:43:09

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



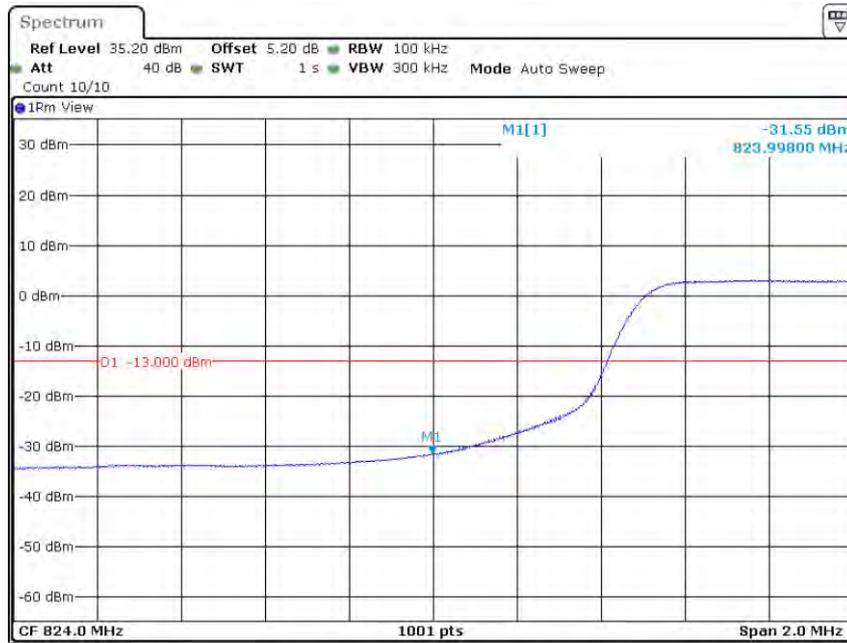
Date: 7.SEP 2020 14:43:36



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



Date: 7.SEP 2020 14:44:17

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



Date: 7.SEP 2020 14:45:02



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



Date: 7 SEP 2020 14:45:43

**Band5-10MHz-64QAM-20450-1RB#0**



Date: 8 SEP 2020 19:35:29



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



Date: 8 SEP 2020 19:35:50

**Band5-10MHz-64QAM-20600-1RB#49**



Date: 8 SEP 2020 19:36:16



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



Date: 8 SEP 2020 19:36:36

**Band5-10MHz-16QAM-20450-1RB#0**



Date: 7 SEP 2020 14:43:56



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



Date: 7.SEP 2020 14:44:37

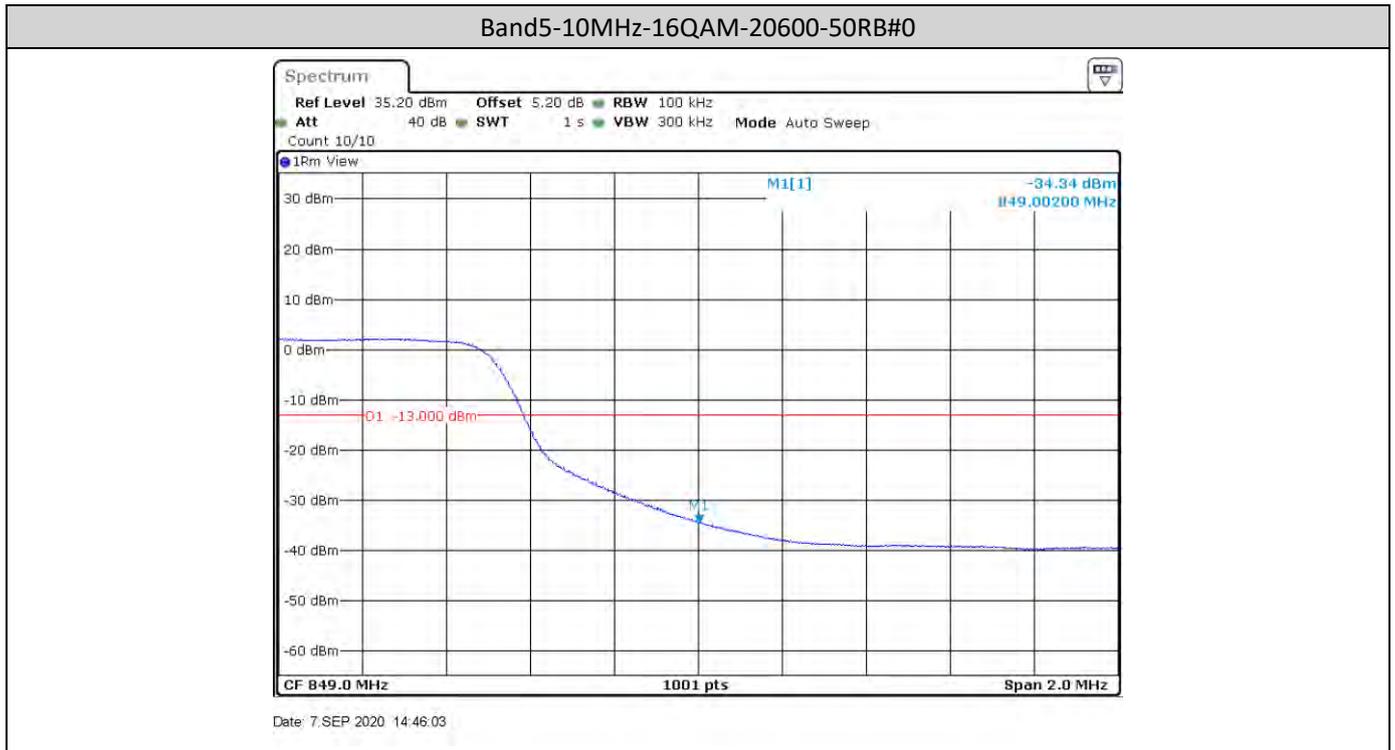
**Band5-10MHz-16QAM-20600-1RB#49**



Date: 7.SEP 2020 14:45:22



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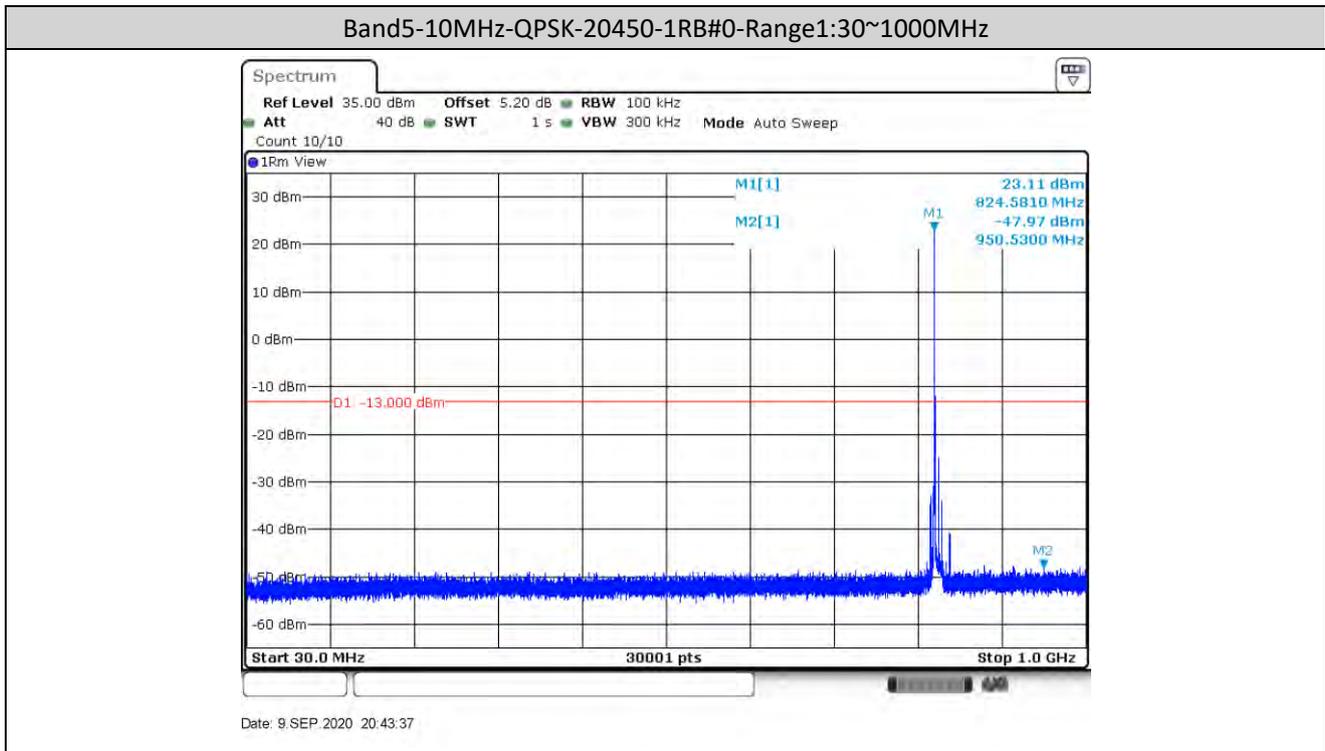
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## 6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (\text{Span} / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

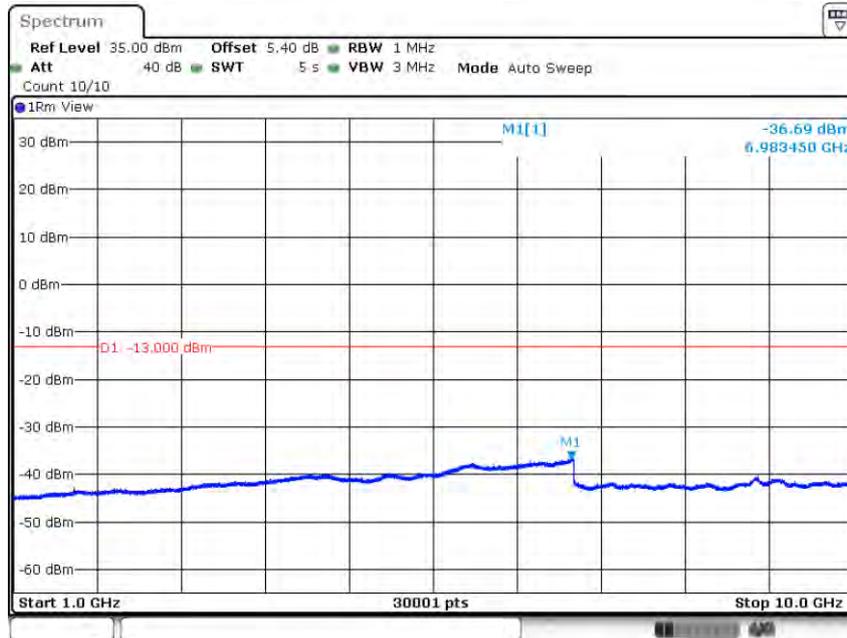
### 6.1. Test Plots



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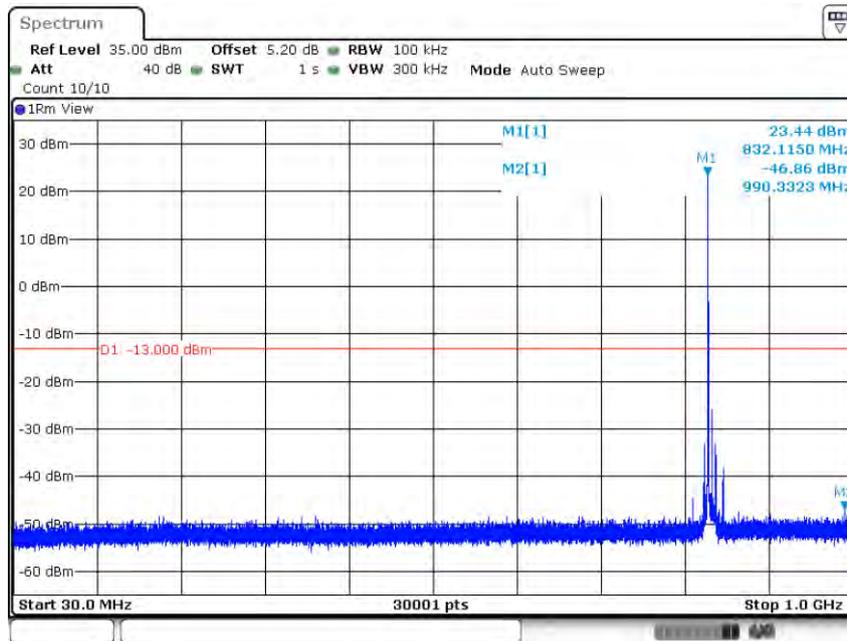
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**Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~10000MHz**



Date: 9 SEP 2020 20:44:45

**Band5-10MHz-QPSK-20525-1RB#0-Range1:30~1000MHz**



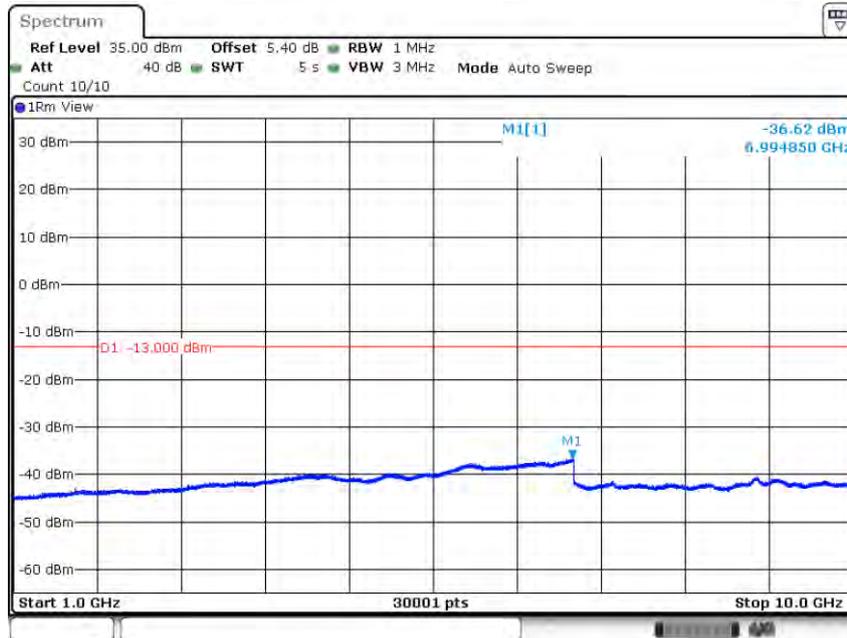
Date: 9 SEP 2020 20:46:31



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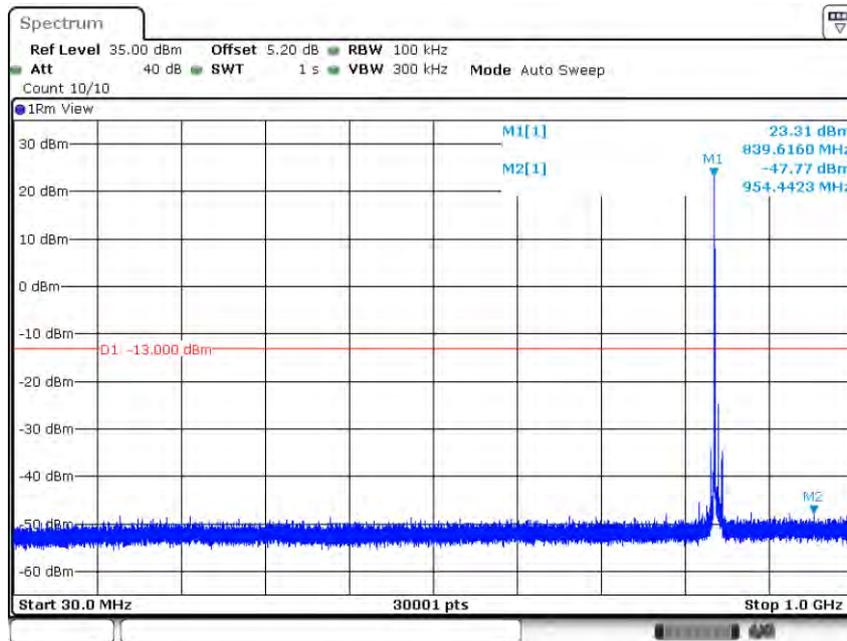
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**Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz**



Date: 9 SEP 2020 20:47:39

**Band5-10MHz-QPSK-20600-1RB#0-Range1:30~1000MHz**



Date: 9 SEP 2020 20:49:26

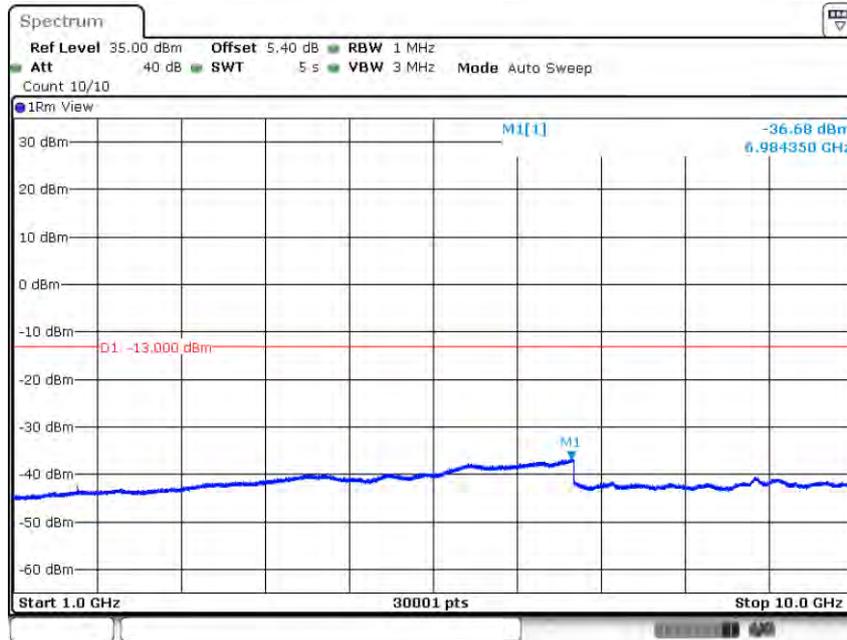


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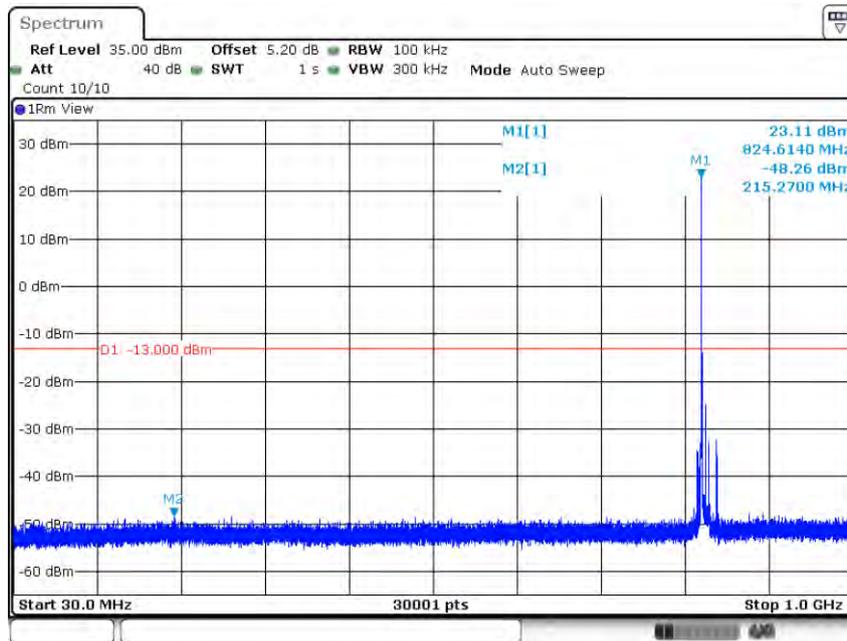
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**Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~10000MHz**

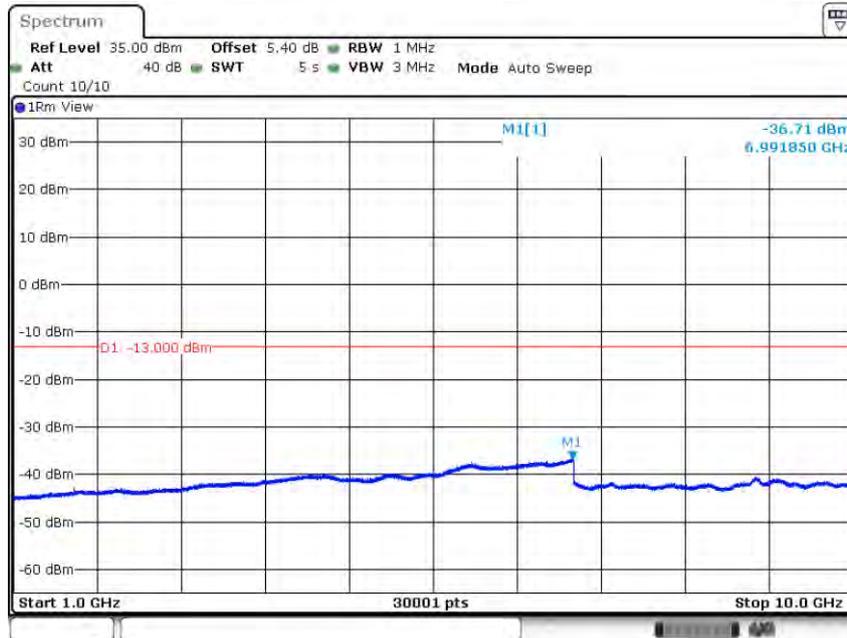


**Band5-10MHz-64QAM-20450-1RB#0-Range1:30~1000MHz**



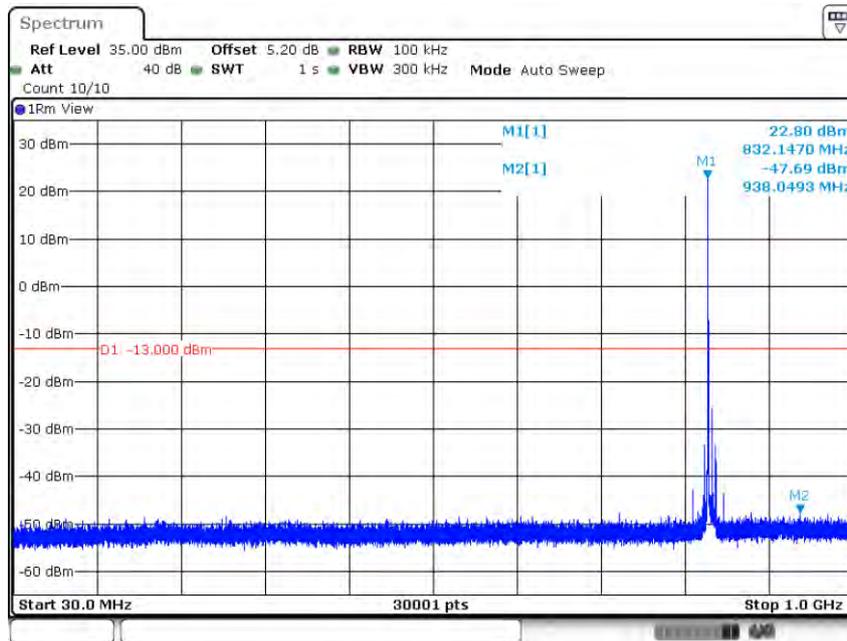
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**Band5-10MHz-64QAM-20450-1RB#0-Range2:1000~10000MHz**



Date: 9 SEP 2020 20:53:31

**Band5-10MHz-64QAM-20525-1RB#0-Range1:30~1000MHz**

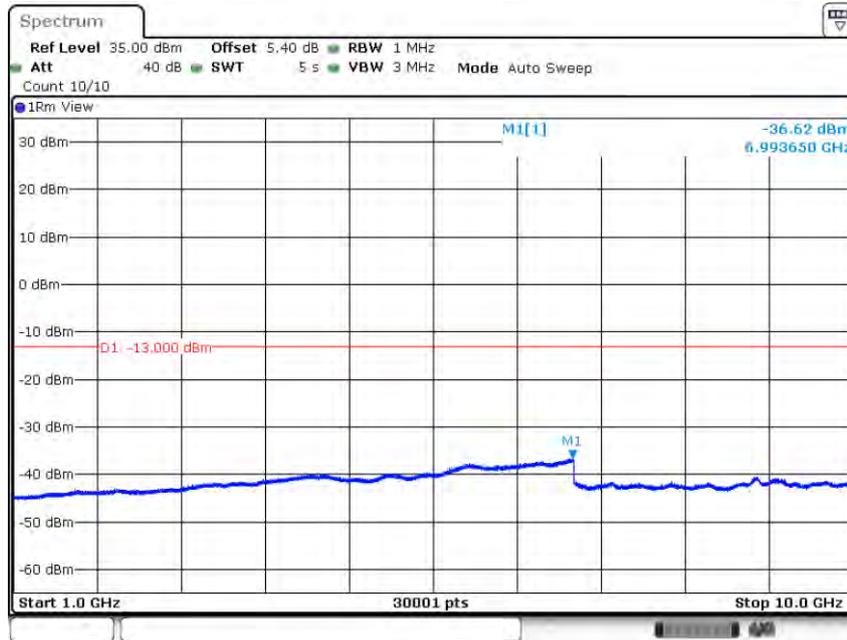


Date: 9 SEP 2020 20:53:51



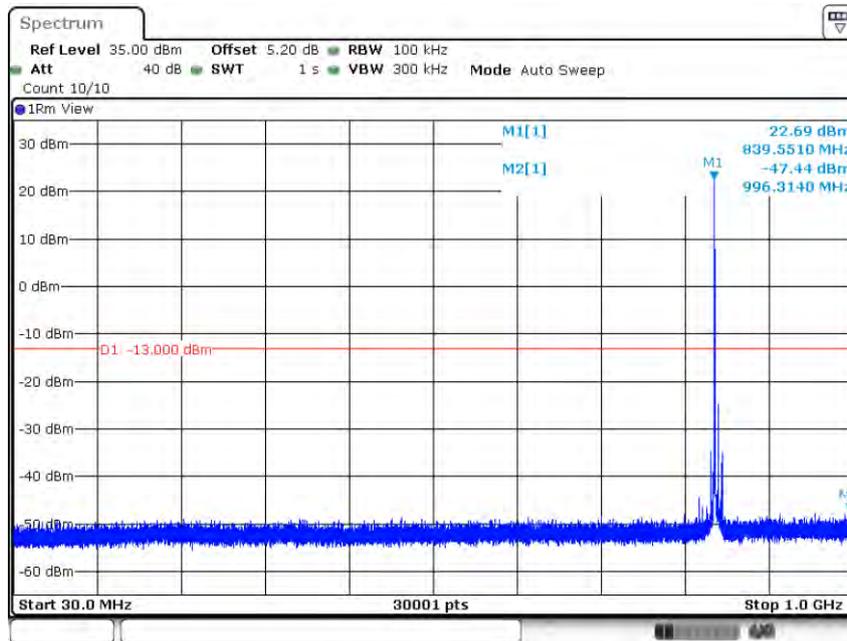
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**Band5-10MHz-64QAM-20525-1RB#0-Range2:1000~10000MHz**



Date: 9 SEP 2020 20:54:58

**Band5-10MHz-64QAM-20600-1RB#0-Range1:30~1000MHz**

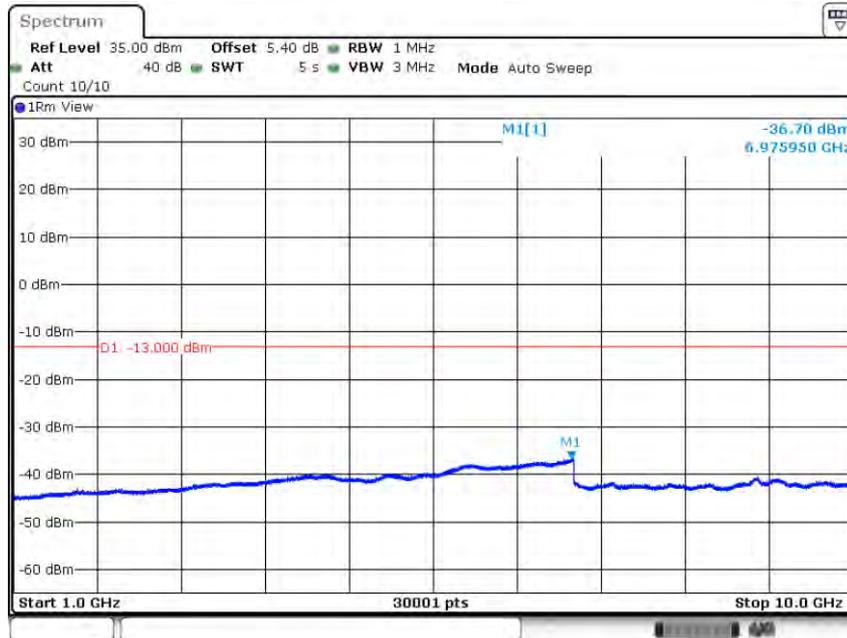


Date: 9 SEP 2020 20:55:18



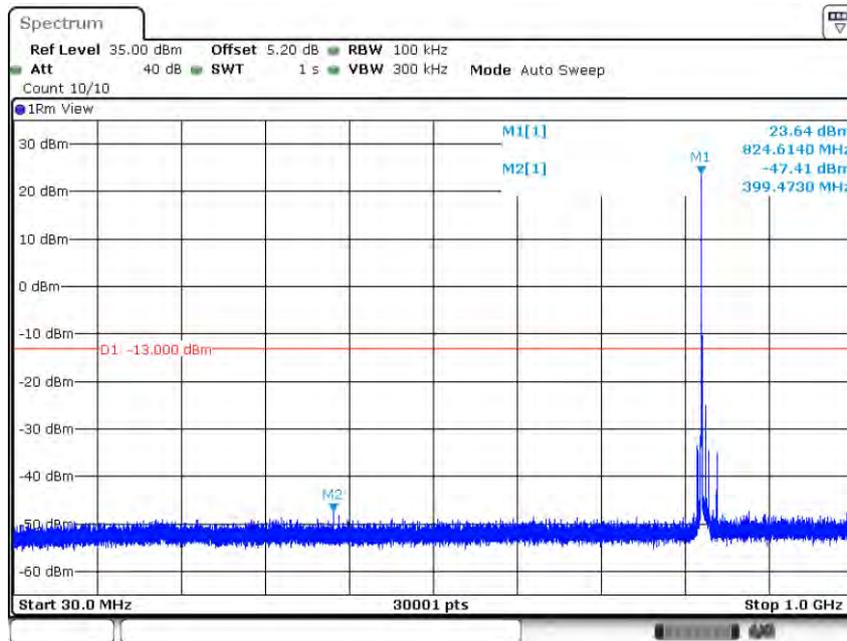
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**Band5-10MHz-64QAM-20600-1RB#0-Range2:1000~10000MHz**



Date: 9 SEP 2020 20:56:25

**Band5-10MHz-16QAM-20450-1RB#0-Range1:30~1000MHz**



Date: 9 SEP 2020 20:45:04



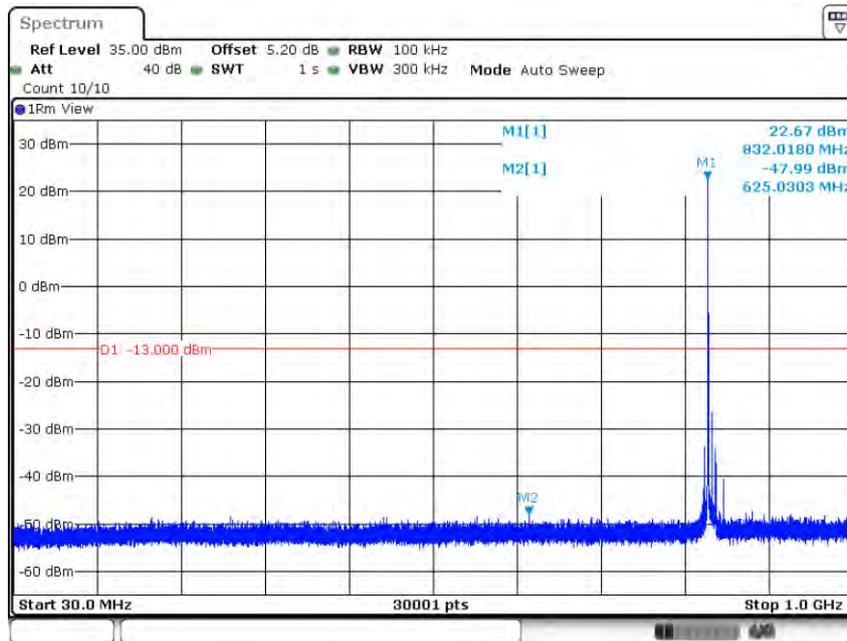
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**Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~10000MHz**



Date: 9 SEP 2020 20:46:12

**Band5-10MHz-16QAM-20525-1RB#0-Range1:30~1000MHz**



Date: 9 SEP 2020 20:47:58



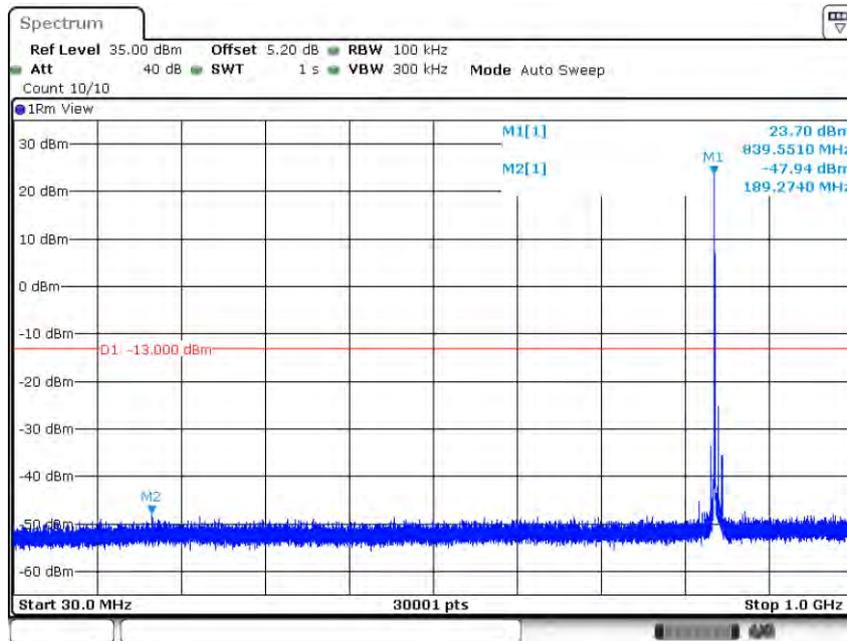
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**Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz**



Date: 9 SEP 2020 20:49:06

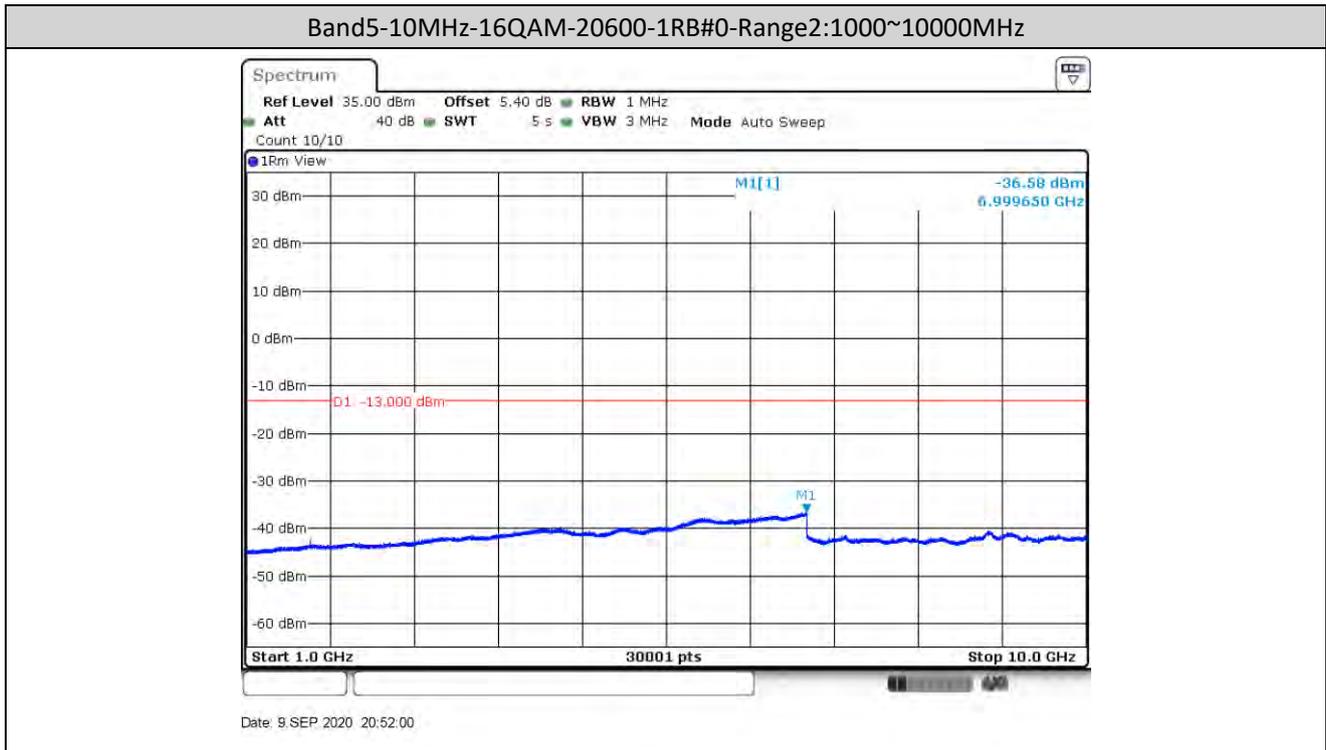
**Band5-10MHz-16QAM-20600-1RB#0-Range1:30~1000MHz**



Date: 9 SEP 2020 20:50:52



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## 7. Field Strength of Spurious Radiation

### 7.1. Test Mode =LTE/TM1 10MHz

#### 7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.4794	-71.47	-13.00	58.47	Vertical
108.9619	-61.83	-13.00	48.83	Vertical
291.7676	-66.87	-13.00	53.87	Vertical
1648.9298	-64.22	-13.00	51.22	Vertical
2691.5383	-57.59	-13.00	44.59	Vertical
9907.8303	-52.10	-13.00	39.10	Vertical
44.8417	-62.60	-13.00	49.60	Horizontal
99.3100	-73.04	-13.00	60.04	Horizontal
235.8928	-65.34	-13.00	52.34	Horizontal
1648.9298	-59.80	-13.00	46.80	Horizontal
3000.0000	-56.36	-13.00	43.36	Horizontal
9328.4443	-52.69	-13.00	39.69	Horizontal

#### 7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.4980	-70.54	-13.00	57.54	Vertical
112.0661	-63.60	-13.00	50.60	Vertical
383.1947	-64.16	-13.00	51.16	Vertical
1760.1520	-62.61	-13.00	49.61	Vertical
2693.5387	-57.62	-13.00	44.62	Vertical
9877.7293	-52.30	-13.00	39.30	Vertical
44.7932	-62.18	-13.00	49.18	Horizontal
82.3826	-73.22	-13.00	60.22	Horizontal
246.5148	-65.32	-13.00	52.32	Horizontal
1664.1328	-62.64	-13.00	49.64	Horizontal
2703.5407	-56.20	-13.00	43.20	Horizontal
7460.0820	-56.32	-13.00	43.32	Horizontal



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**7.1.3. Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.4495	-70.69	-13.00	57.69	Vertical
110.2230	-62.78	-13.00	49.78	Vertical
373.3972	-66.18	-13.00	53.18	Vertical
1746.1492	-62.64	-13.00	49.64	Vertical
2700.3401	-57.56	-13.00	44.56	Vertical
9836.6612	-52.48	-13.00	39.48	Vertical
43.7747	-61.35	-13.00	48.35	Horizontal
88.6394	-72.97	-13.00	59.97	Horizontal
233.4677	-65.49	-13.00	52.49	Horizontal
1678.9358	-62.93	-13.00	49.93	Horizontal
2700.7401	-56.10	-13.00	43.10	Horizontal
7464.0488	-55.95	-13.00	42.95	Horizontal

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.



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## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	VL	NT	1.60	0.001930	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	0.70	0.000844	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	-0.40	-0.000483	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	0.90	0.001076	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	0.30	0.000359	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	2.20	0.002630	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	2.40	0.002844	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	2.10	0.002488	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	2.00	0.002370	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VL	NT	0.80	0.000965	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VN	NT	1.10	0.001327	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VH	NT	1.00	0.001206	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VL	NT	1.40	0.001674	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VN	NT	0.60	0.000717	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VH	NT	2.50	0.002989	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VL	NT	-1.70	-0.002014	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VN	NT	1.20	0.001422	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VH	NT	1.50	0.001777	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	-1.80	-0.002171	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	-1.30	-0.001568	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	-1.50	-0.001809	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	-0.40	-0.000478	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	0.20	0.000239	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	0.40	0.000478	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VL	NT	0.60	0.000711	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VN	NT	0.30	0.000355	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	-1.60	-0.001896	±2.5	PASS



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## 8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	1.10	0.001327	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	1.40	0.001689	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	0.50	0.000603	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	0.40	0.000483	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	-0.20	-0.000241	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	-0.60	-0.000724	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	-0.40	-0.000483	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	-1.10	-0.001327	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	-0.60	-0.000724	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	1.10	0.001315	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	0.70	0.000837	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	0.50	0.000598	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	3.10	0.003706	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	1.10	0.001315	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	2.20	0.002630	±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	0.50	0.000598	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-0.30	-0.000359	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	2.30	0.002725	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	2.00	0.002370	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	1.20	0.001422	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	1.00	0.001185	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	0.10	0.000118	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	1.90	0.002251	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	-0.60	-0.000711	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	0.50	0.000592	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	0.20	0.000237	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-30	-0.20	-0.000241	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-20	1.20	0.001448	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-10	0.70	0.000844	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	0	0.10	0.000121	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	10	-0.30	-0.000362	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	20	-0.40	-0.000483	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	30	0.00	0.000000	±2.5	PASS



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Band5	10MHz	64QAM	20450	50RB#0	NV	40	-1.30	-0.001568	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	50	-0.40	-0.000483	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-30	-0.20	-0.000239	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-20	1.40	0.001674	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-10	2.00	0.002391	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	0	0.50	0.000598	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	10	2.20	0.002630	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	20	0.90	0.001076	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	30	-0.10	-0.000120	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	40	-0.90	-0.001076	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	50	1.10	0.001315	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-30	2.10	0.002488	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-20	-0.30	-0.000355	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-10	1.40	0.001659	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	0	-0.20	-0.000237	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	10	-2.00	-0.002370	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	20	0.40	0.000474	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	30	-0.70	-0.000829	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	40	0.30	0.000355	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	50	1.00	0.001185	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	-0.60	-0.000724	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	1.70	0.002051	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-10	0.40	0.000483	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	0.70	0.000844	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	1.60	0.001930	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	0.60	0.000724	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	30	1.00	0.001206	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	40	-0.60	-0.000724	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	50	1.00	0.001206	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-30	0.70	0.000837	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-20	1.50	0.001793	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-10	2.00	0.002391	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	0.80	0.000956	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	2.20	0.002630	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	0.80	0.000956	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	30	0.50	0.000598	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	40	0.50	0.000598	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	50	-0.20	-0.000239	±2.5	PASS



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Band5	10MHz	16QAM	20600	50RB#0	NV	-30	-0.50	-0.000592	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	-1.80	-0.002133	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-10	1.00	0.001185	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	1.10	0.001303	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	-0.90	-0.001066	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	0.10	0.000118	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	30	-0.70	-0.000829	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	40	1.10	0.001303	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	50	0.70	0.000829	±2.5	PASS



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