

# Appendix B

## E-UTRA Band 5



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# 1 Effective (Isotropic) Radiated Power

## 1.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.54	20.20	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.53	20.19	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.13	19.79	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.46	20.12	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.55	20.21	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.22	19.88	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.50	19.16	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.96	19.62	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.22	19.88	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.22	19.88	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.00	19.66	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.20	19.86	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.22	19.88	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.20	18.86	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.08	19.74	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.31	19.97	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.17	19.83	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.08	19.74	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.22	19.88	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.19	19.85	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.10	18.76	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.44	19.10	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.47	19.13	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.50	19.16	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.96	18.62	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.32	18.98	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.08	18.74	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.40	18.06	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.21	18.87	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.06	18.72	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.95	18.61	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.89	18.55	38.45	PASS



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Band5	1.4MHz	16QAM	20525	3RB#1	21.92	18.58	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.90	18.56	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.25	17.91	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.01	18.67	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.12	18.78	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.26	18.92	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.31	18.97	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.37	19.03	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.29	18.95	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.86	17.52	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.54	18.20	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.48	18.14	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	21.12	17.78	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#0	21.40	18.06	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#1	21.45	18.11	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#3	21.12	17.78	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	20.43	17.09	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	20.87	17.53	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	21.17	17.83	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	21.15	17.81	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#0	20.95	17.61	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#1	21.15	17.81	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#3	21.13	17.79	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.16	16.82	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.08	17.74	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.28	17.94	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.15	17.81	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#0	20.98	17.64	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#1	21.13	17.79	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#3	21.17	17.83	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.02	16.68	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.57	20.23	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.62	20.28	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.23	19.89	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.55	19.21	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.56	19.22	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.49	19.15	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.51	19.17	38.45	PASS



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Band5	3MHz	QPSK	20525	1RB#0	23.01	19.67	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.33	19.99	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.24	19.90	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.25	18.91	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.11	18.77	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.05	18.71	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.22	18.88	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.20	19.86	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.32	19.98	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.24	19.90	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.03	18.69	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.21	18.87	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.22	18.88	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.11	18.77	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.97	18.63	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.36	19.02	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.10	18.76	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.45	18.11	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.61	18.27	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.61	18.27	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.47	18.13	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.93	18.59	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.96	18.62	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.97	18.63	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.25	17.91	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.32	17.98	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.49	18.15	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.30	17.96	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.36	19.02	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.45	19.11	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.34	19.00	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.24	17.90	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.20	17.86	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.21	17.87	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.92	17.58	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.48	18.14	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.57	18.23	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.17	17.83	38.45	PASS



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Band5	3MHz	64QAM	20415	8RB#0	20.52	17.18	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#4	20.53	17.19	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#7	20.48	17.14	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.41	17.07	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	21.00	17.66	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	21.24	17.90	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.21	17.87	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#0	20.24	16.90	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#4	20.06	16.72	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#7	20.04	16.70	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.19	16.85	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.16	17.82	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	21.25	17.91	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.21	17.87	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#0	19.96	16.62	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#4	20.13	16.79	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#7	20.13	16.79	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.09	16.75	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.53	20.19	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.33	19.99	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.19	19.85	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.51	19.17	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.43	19.09	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.34	19.00	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.37	19.03	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.13	19.79	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.86	19.52	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.89	19.55	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.19	18.85	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.20	18.86	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.07	18.73	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.20	18.86	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.10	19.76	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.12	19.78	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.15	19.81	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.08	18.74	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.17	18.83	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.14	18.80	38.45	PASS



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Band5	5MHz	QPSK	20625	25RB#0	22.10	18.76	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.88	18.54	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.80	18.46	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.03	18.69	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.34	18.00	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.29	17.95	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.39	18.05	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.45	18.11	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.76	18.42	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.90	18.56	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.96	18.62	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.10	17.76	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.02	17.68	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.11	17.77	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.21	17.87	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.01	18.67	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.03	18.69	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.69	18.35	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.96	17.62	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.00	17.66	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.90	17.56	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.01	17.67	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.45	18.11	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	21.28	17.94	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.09	17.75	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#0	20.43	17.09	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#6	20.39	17.05	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#13	20.31	16.97	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.29	16.95	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.03	17.69	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	20.84	17.50	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	20.84	17.50	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#0	20.14	16.80	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#6	20.17	16.83	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#13	20.03	16.69	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.15	16.81	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.07	17.73	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	21.06	17.72	38.45	PASS



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Band5	5MHz	64QAM	20625	1RB#24	21.05	17.71	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#0	20.00	16.66	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#6	20.16	16.82	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#13	20.11	16.77	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.07	16.73	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.50	20.16	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.56	20.22	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.09	19.75	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.51	19.17	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.50	19.16	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.41	19.07	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.42	19.08	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.08	19.74	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.23	19.89	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.96	19.62	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.37	19.03	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.21	18.87	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.16	18.82	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.30	18.96	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.17	19.83	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.11	19.77	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.85	19.51	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.16	18.82	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.05	18.71	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.17	18.83	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.10	18.76	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.72	18.38	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.23	18.89	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.38	19.04	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.48	18.14	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.46	18.12	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.64	18.30	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.46	18.12	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.98	18.64	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.86	18.52	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.46	18.12	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.26	17.92	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.24	17.90	38.45	PASS



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Band5	10MHz	16QAM	20525	25RB#25	21.12	17.78	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.35	18.01	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.03	18.69	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.09	18.75	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.98	18.64	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.21	17.87	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.04	17.70	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.12	17.78	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.12	17.78	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.44	18.10	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.55	18.21	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.09	17.75	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#0	20.50	17.16	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#12	20.48	17.14	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#25	20.32	16.98	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.36	17.02	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	21.06	17.72	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.23	17.89	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	20.92	17.58	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#0	20.34	17.00	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#12	20.17	16.83	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#25	20.10	16.76	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.22	16.88	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	21.07	17.73	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.01	17.67	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	20.79	17.45	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#0	20.10	16.76	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#12	20.01	16.67	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#25	20.15	16.81	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.00	16.66	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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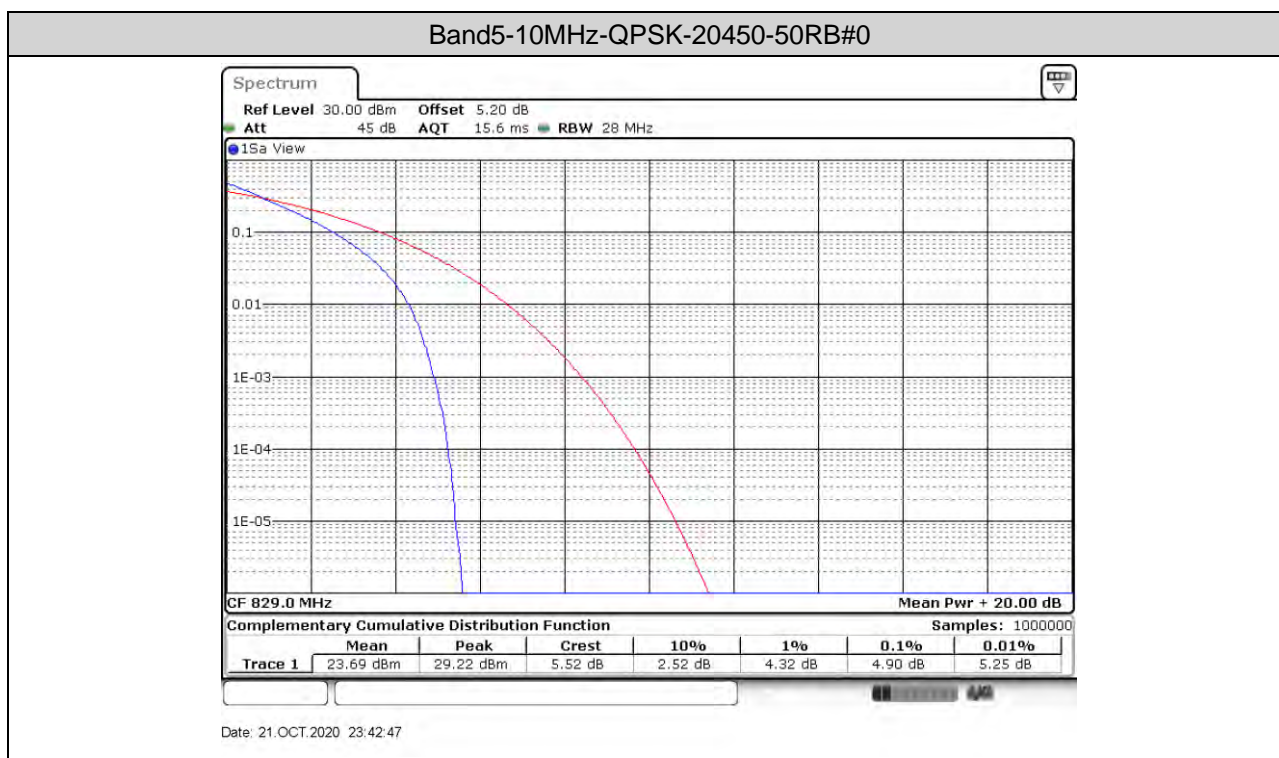


## 2 Peak-to-Average Ratio (CCDF)

### 2.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	4.90	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.84	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.04	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.77	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.68	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.94	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.55	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.41	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.64	13	PASS

### 2.2 Test Plots

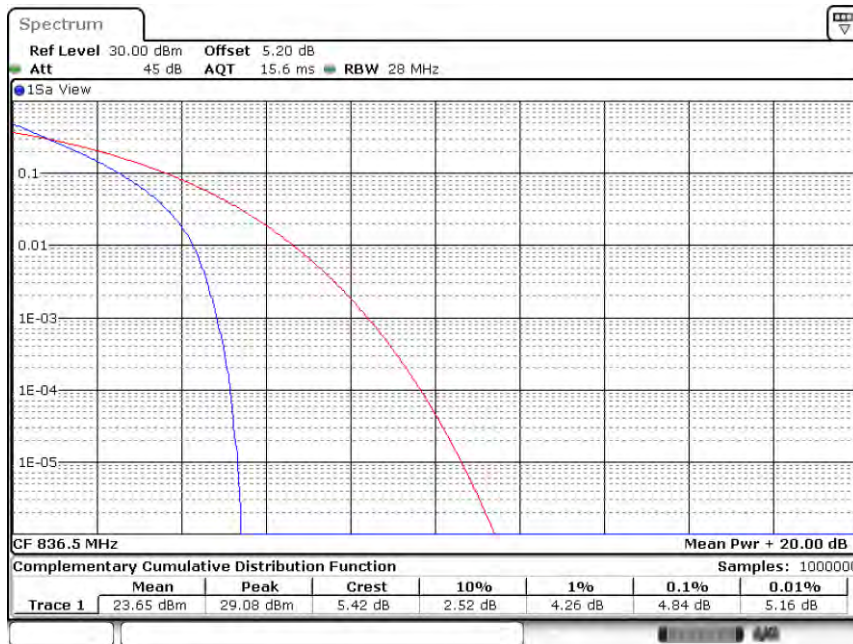


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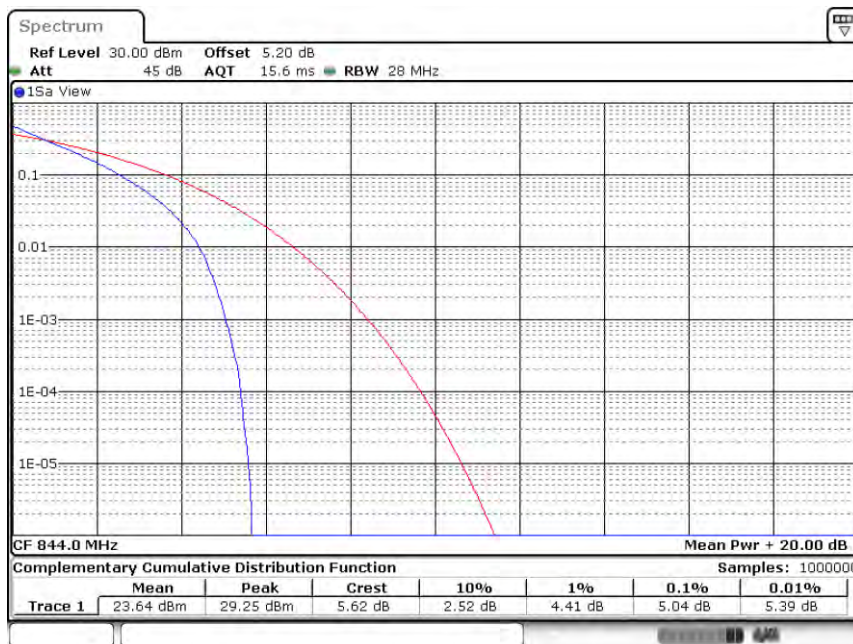
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**Band5-10MHz-QPSK-20525-50RB#0**



Date: 21.OCT.2020 23:43:16

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



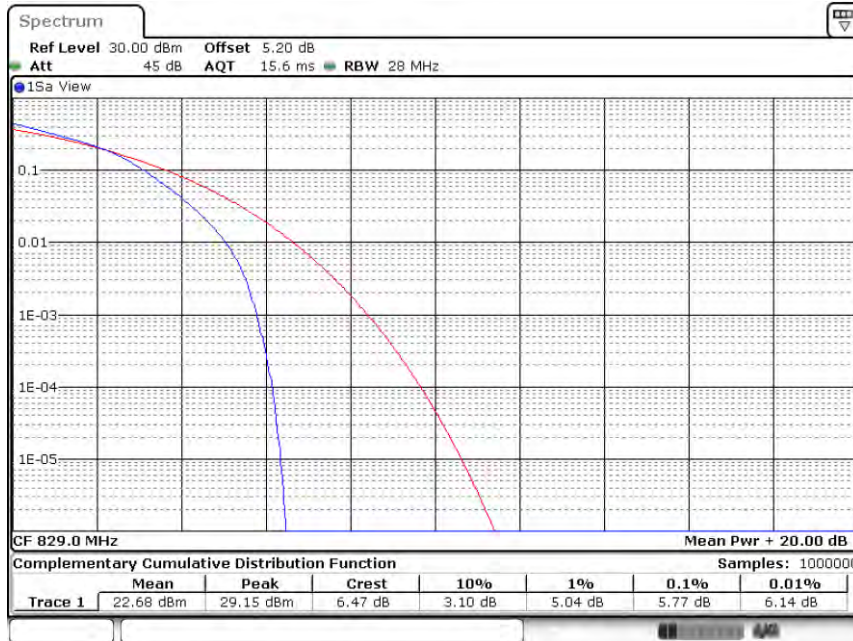
Date: 21.OCT.2020 23:43:45



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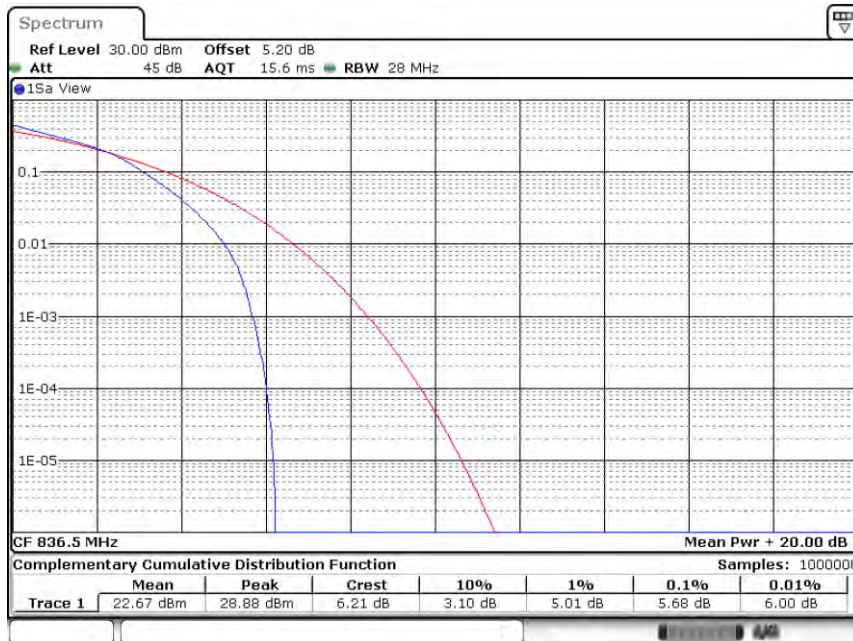
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**Band5-10MHz-16QAM-20450-50RB#0**



Date: 21.OCT.2020 23:43:01

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

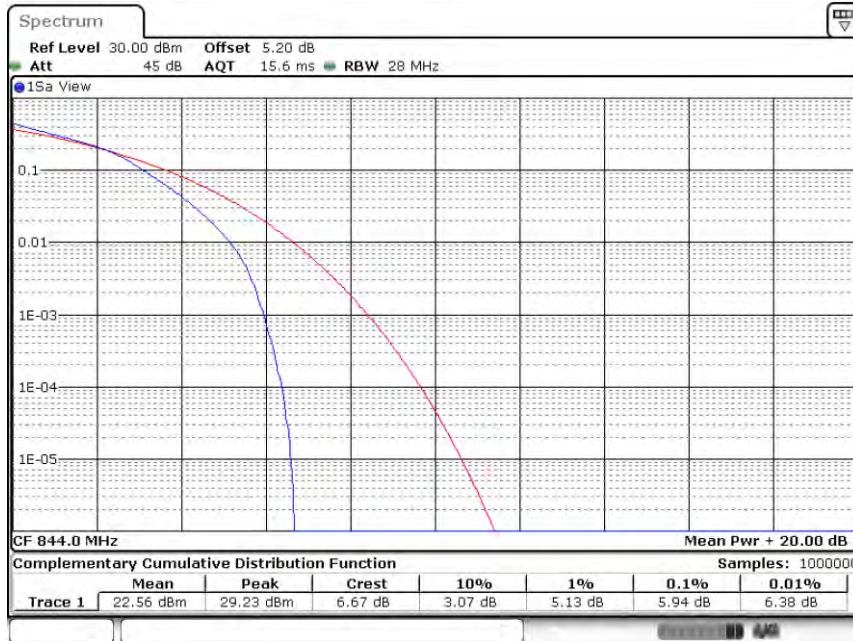


Date: 21.OCT.2020 23:43:30



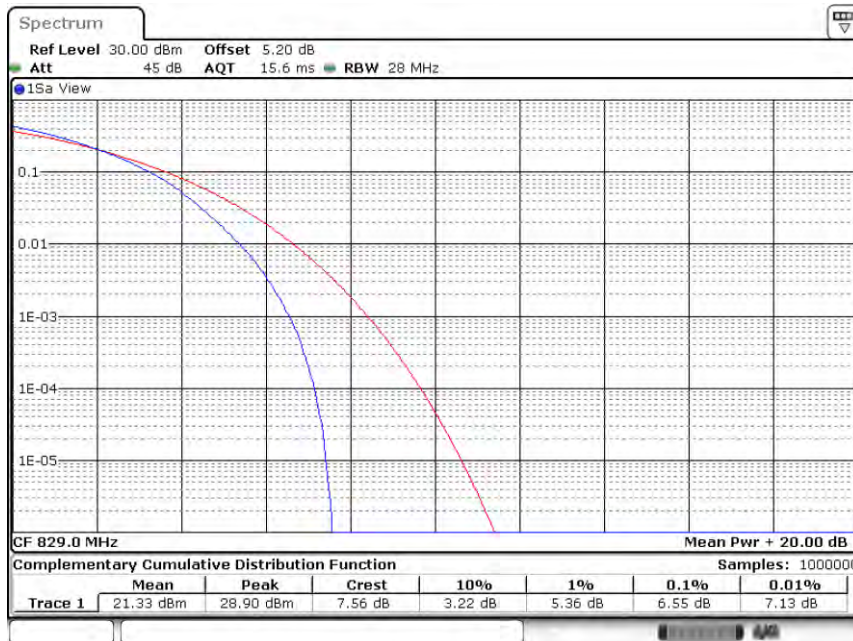
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**Band5-10MHz-16QAM-20600-50RB#0**



Date: 21.OCT.2020 23:43:59

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

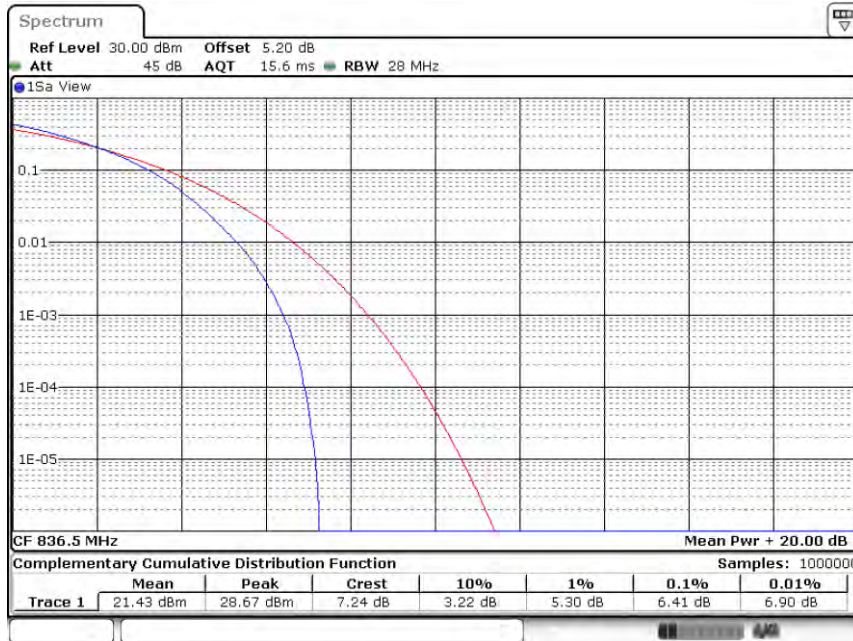


Date: 22.OCT.2020 11:02:45



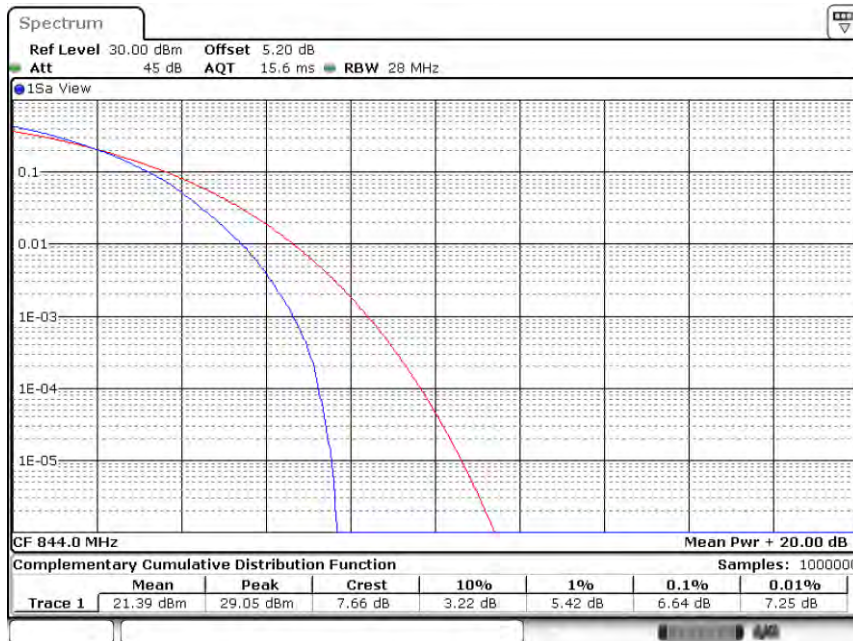
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**Band5-10MHz-64QAM-20525-50RB#0**



Date: 22.OCT.2020 11:03:00

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



Date: 22.OCT.2020 11:03:14



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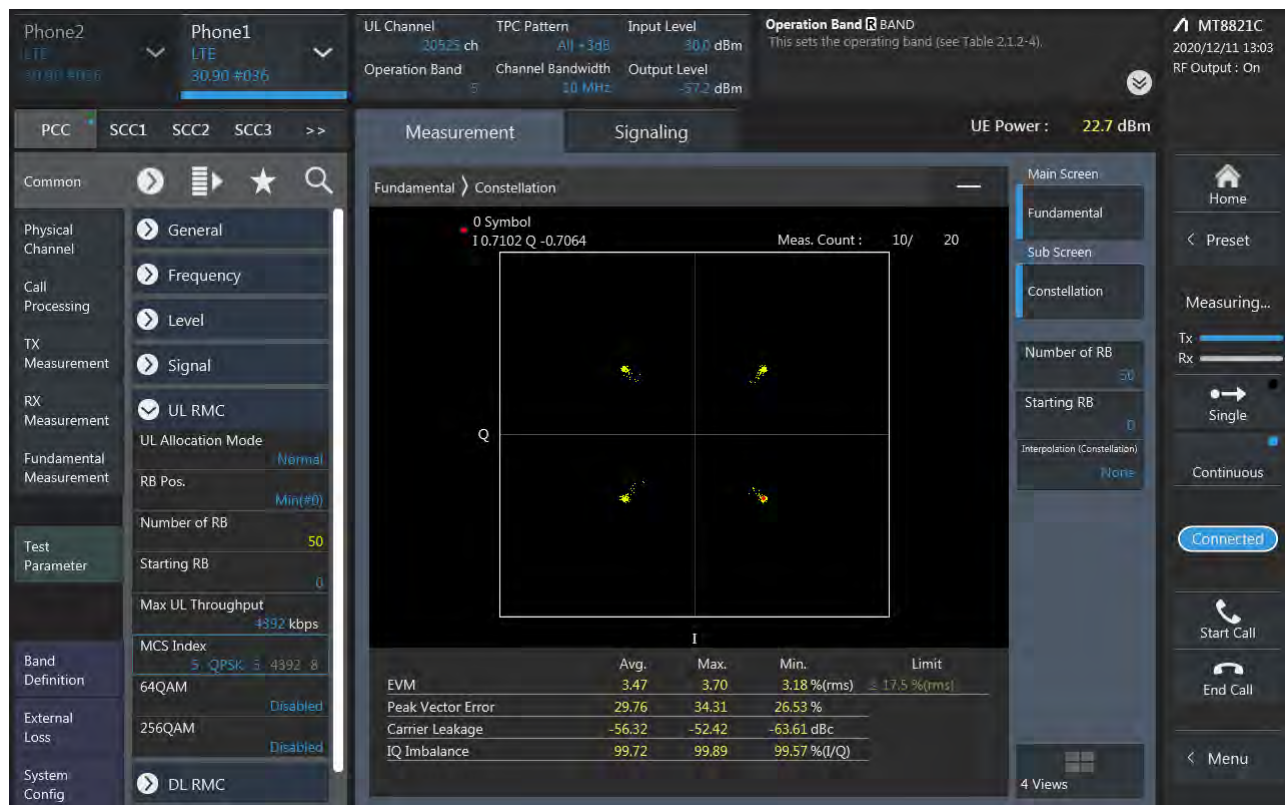
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### 3 Modulation Characteristics

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

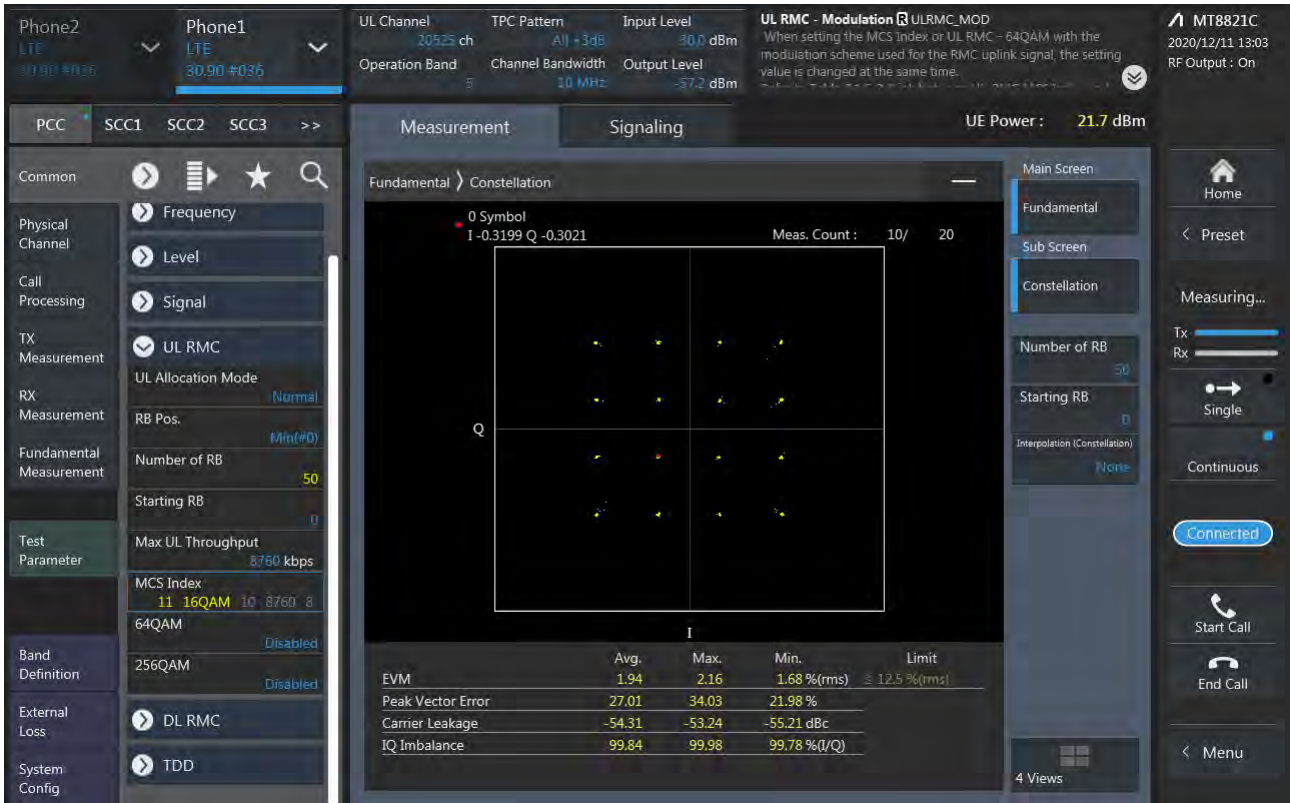
##### 3.1.1 Test Channel = MCH





### 3.1 Test Mode = LTE /TM2 10MHz

#### 3.2.1 Test Channel = MCH



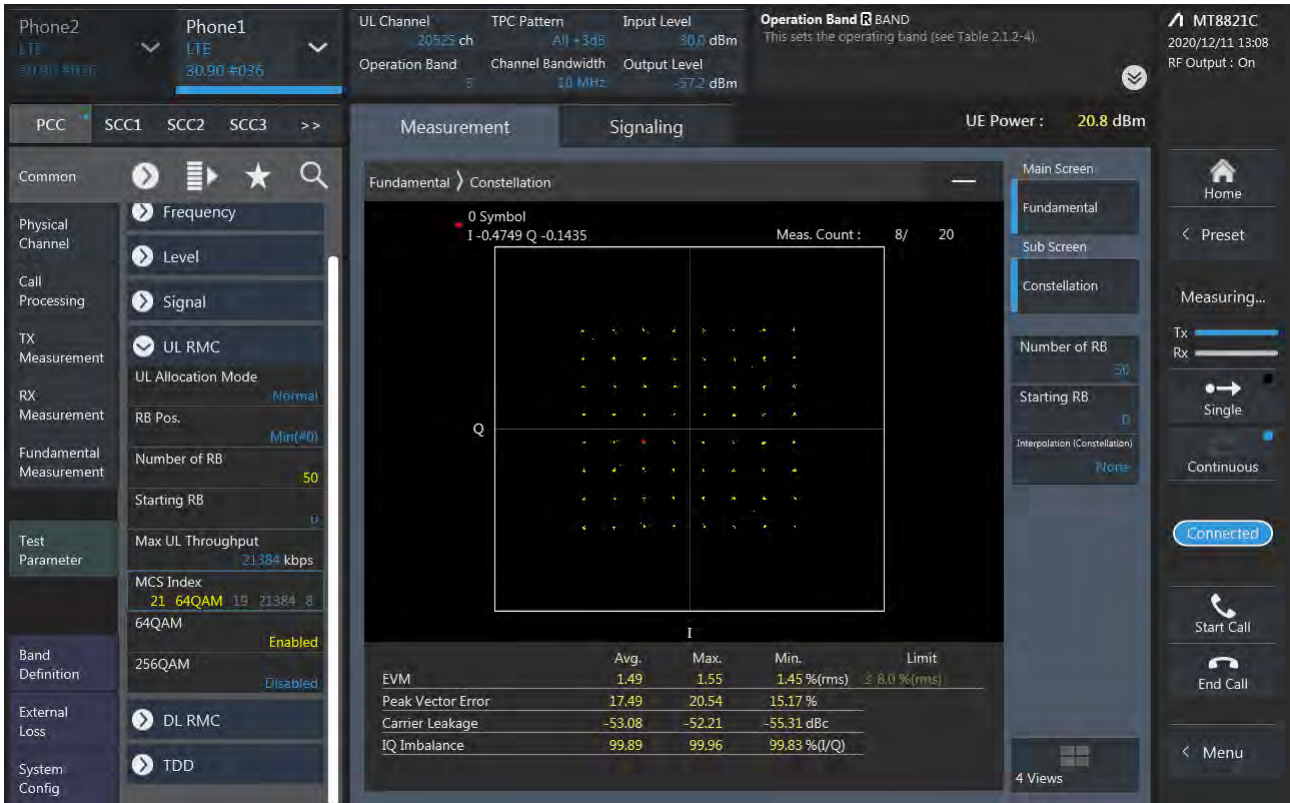
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### 3.2 Test Mode = LTE /TM3 10MHz

#### 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	1.091	1.290	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.091	1.290	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.091	1.278	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	1.4MHz	64QAM	20407	6RB#0	1.097	1.287	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.094	1.290	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.097	1.290	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.697	3.006	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.691	3.000	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.697	3.000	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.685	2.964	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.685	2.970	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.685	2.970	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.691	2.982	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.685	2.976	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.691	2.976	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.466	4.920	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.476	4.930	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.476	4.930	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.486	4.960	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.486	4.960	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.496	4.960	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.466	4.920	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.476	4.920	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.476	4.930	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.911	9.720	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.911	9.700	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.911	9.740	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.931	9.700	PASS



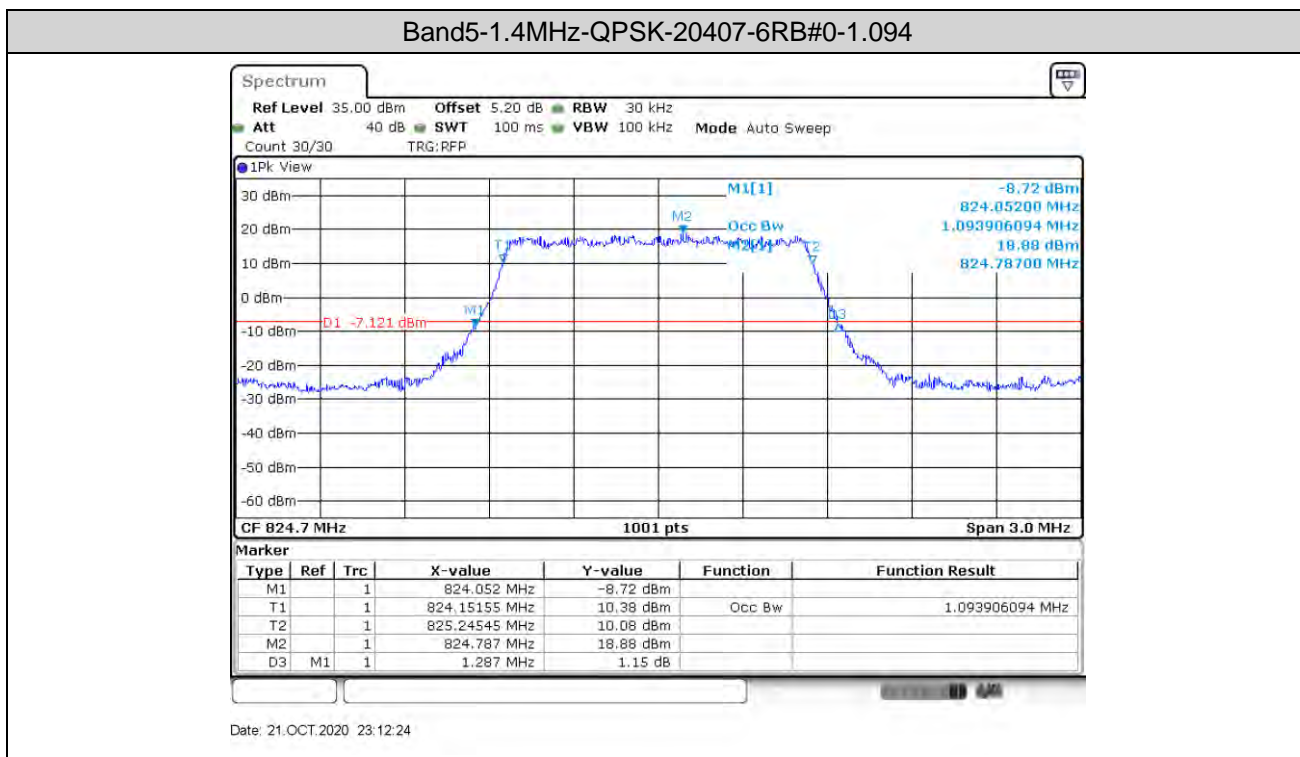
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Band5	10MHz	16QAM	20525	50RB#0	8.911	9.700	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.911	9.720	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.931	9.640	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.931	9.600	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.931	9.740	PASS

## 4.2 Test Plots

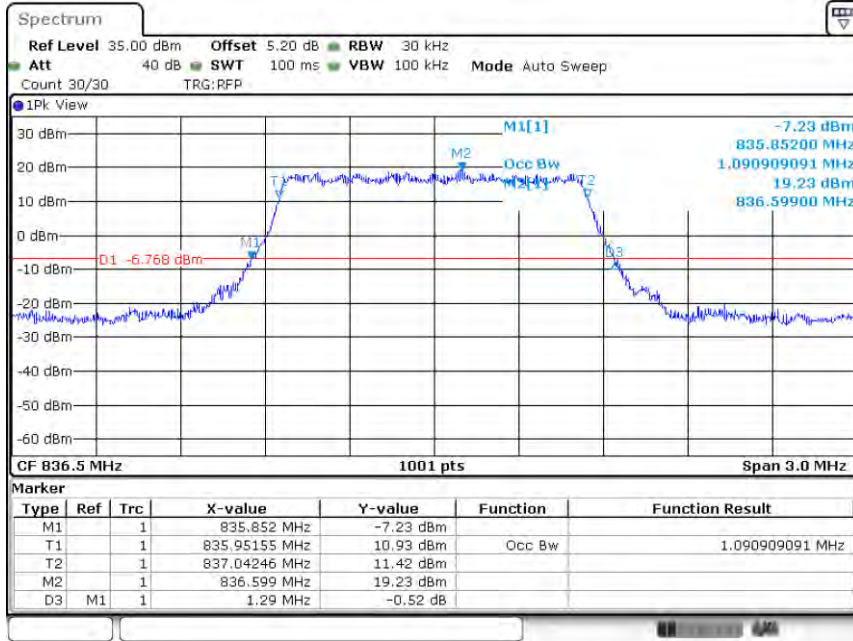


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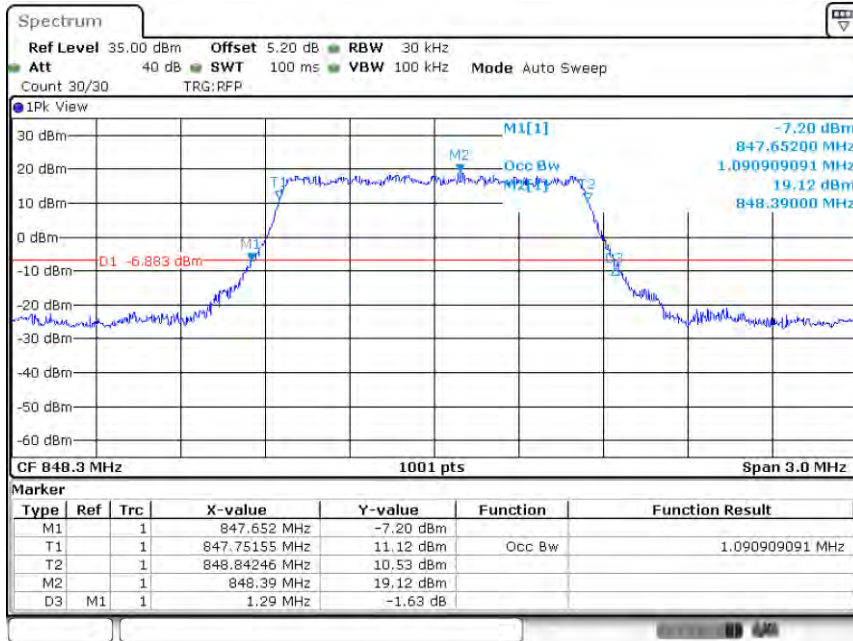
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**Band5-1.4MHz-QPSK-20525-6RB#0-1.091**



Date: 21.OCT.2020 23:12:56

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

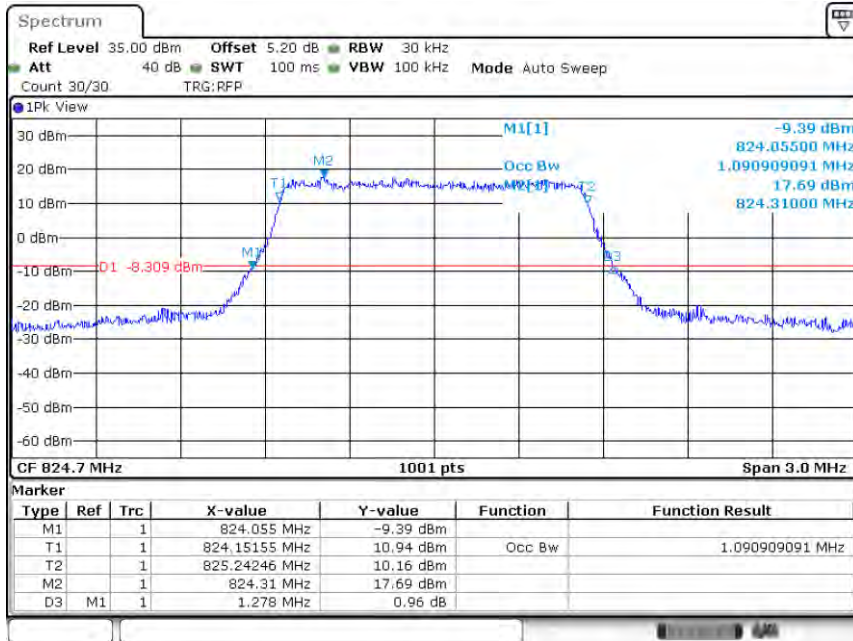


Date: 21.OCT.2020 23:13:28



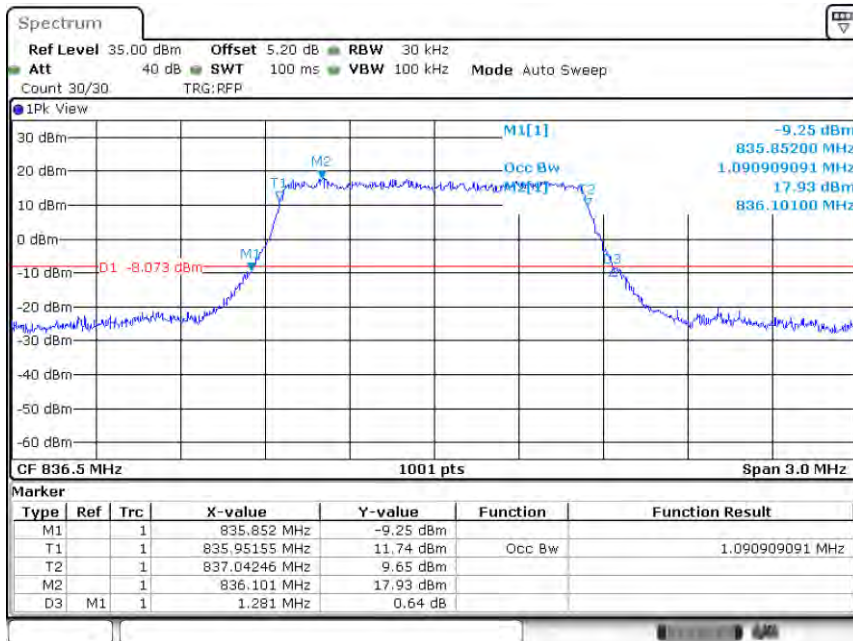
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**Band5-1.4MHz-16QAM-20407-6RB#0-1.091**



Date: 21.OCT.2020 23:12:40

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

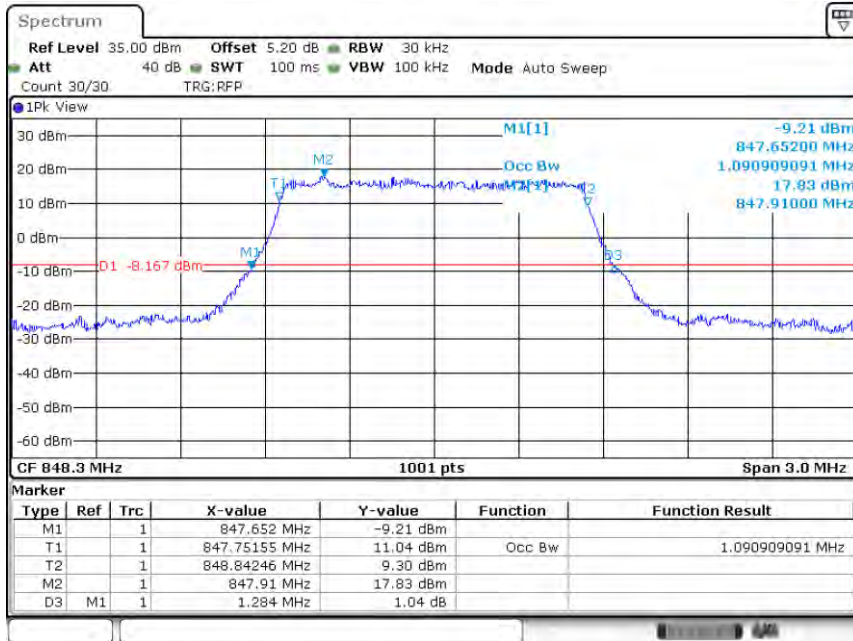


Date: 21.OCT.2020 23:13:12



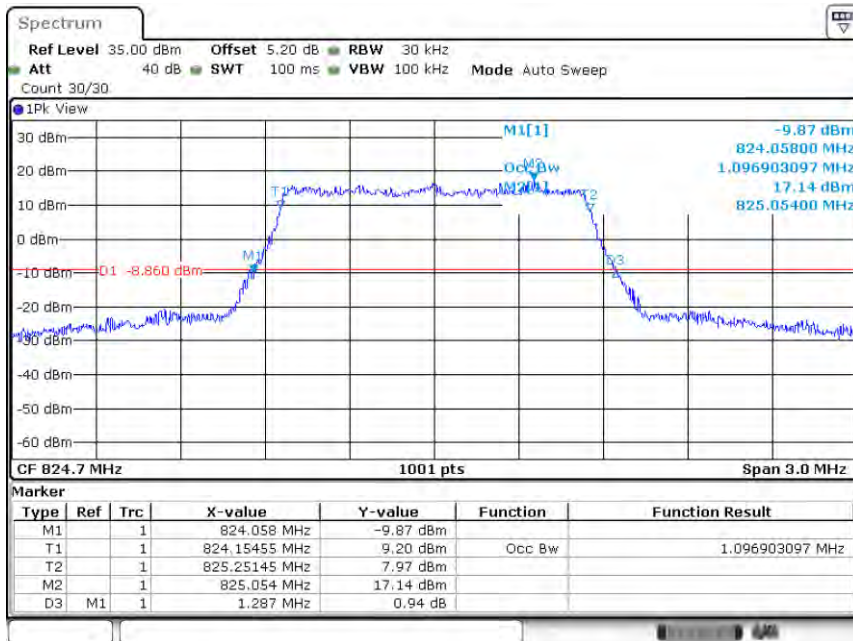
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**Band5-1.4MHz-16QAM-20643-6RB#0-1.091**



Date: 21.OCT.2020 23:13:44

**Band5-1.4MHz-64QAM-20407-6RB#0-1.097**

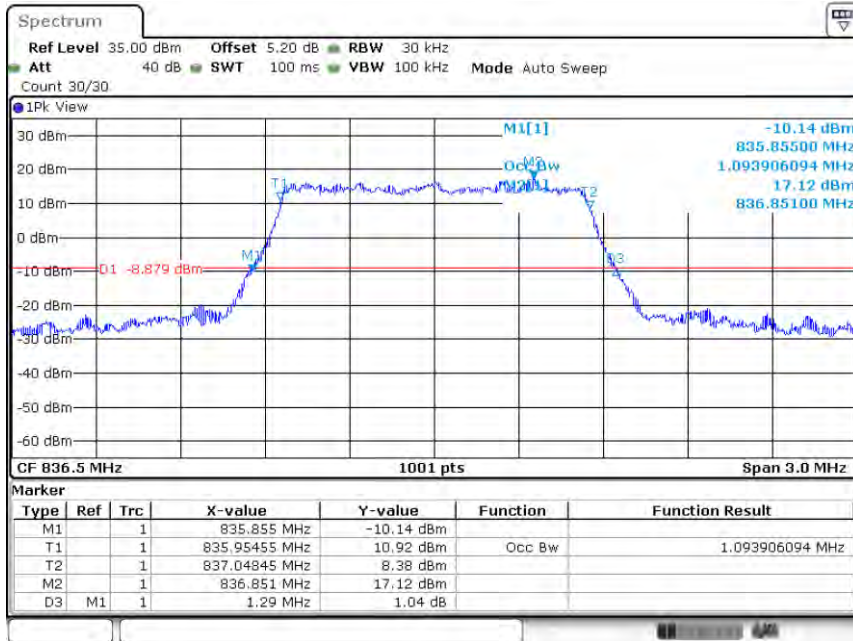


Date: 22.OCT.2020 10:46:26



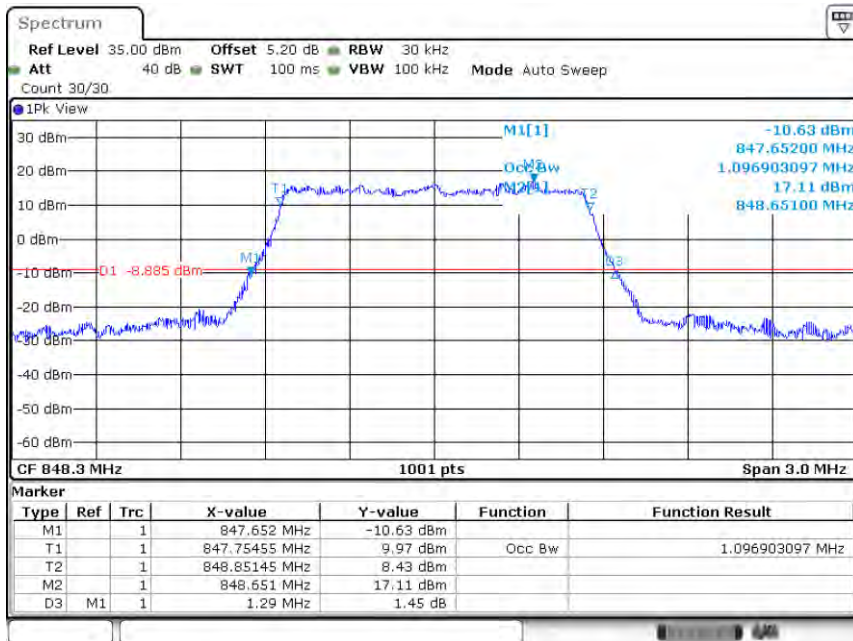
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**Band5-1.4MHz-64QAM-20525-6RB#0-1.094**



Date: 22.OCT.2020 10:46:42

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



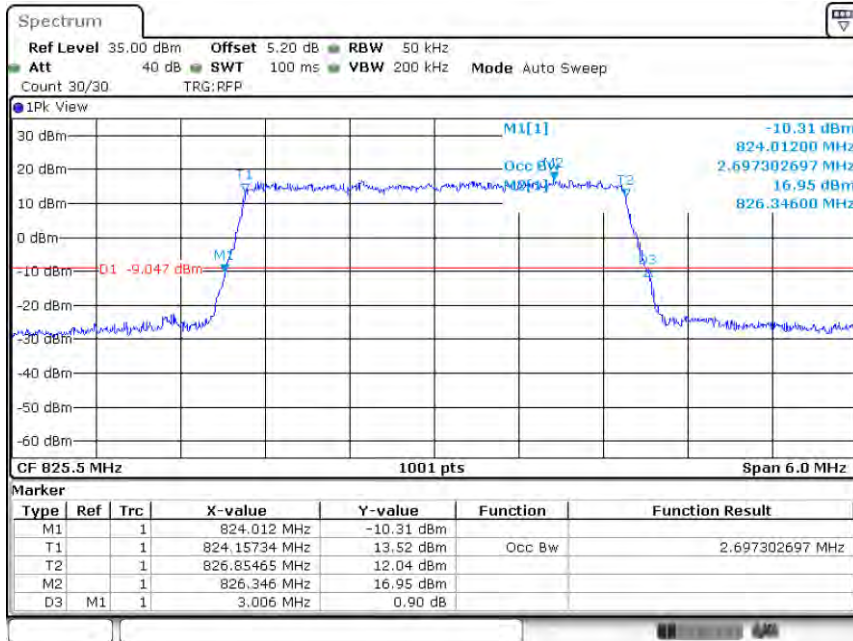
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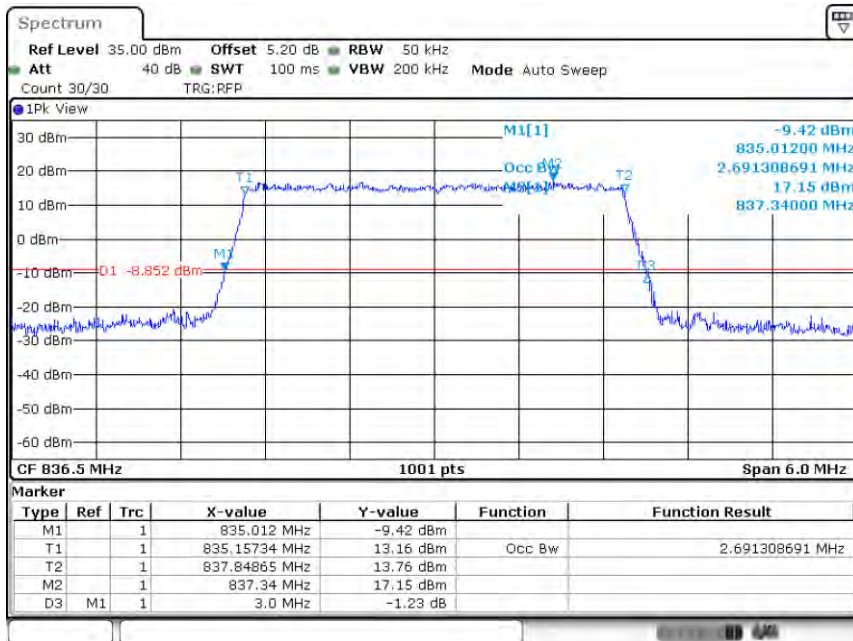


**Band5-3MHz-QPSK-20415-15RB#0-2.697**



Date: 21.OCT.2020 23:14:06

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

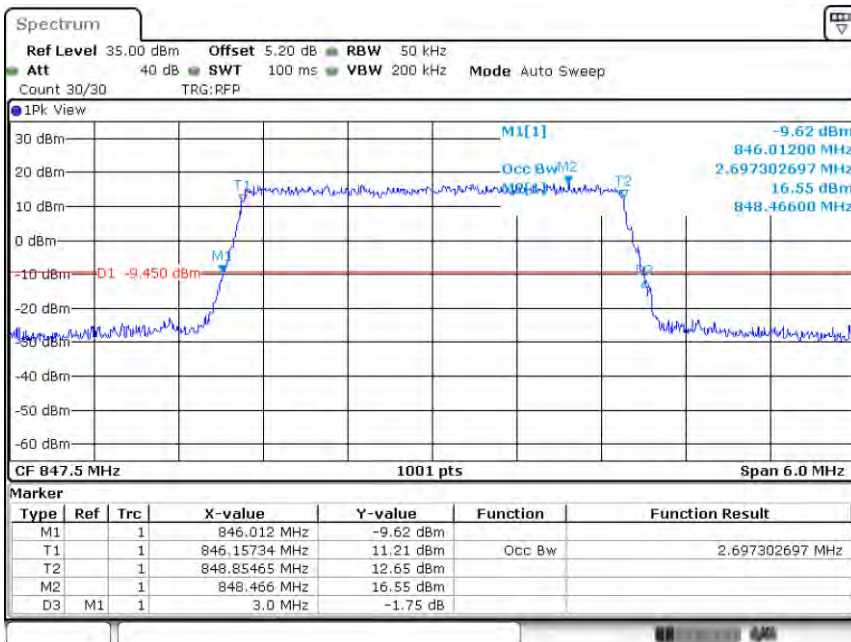


Date: 21.OCT.2020 23:14:38



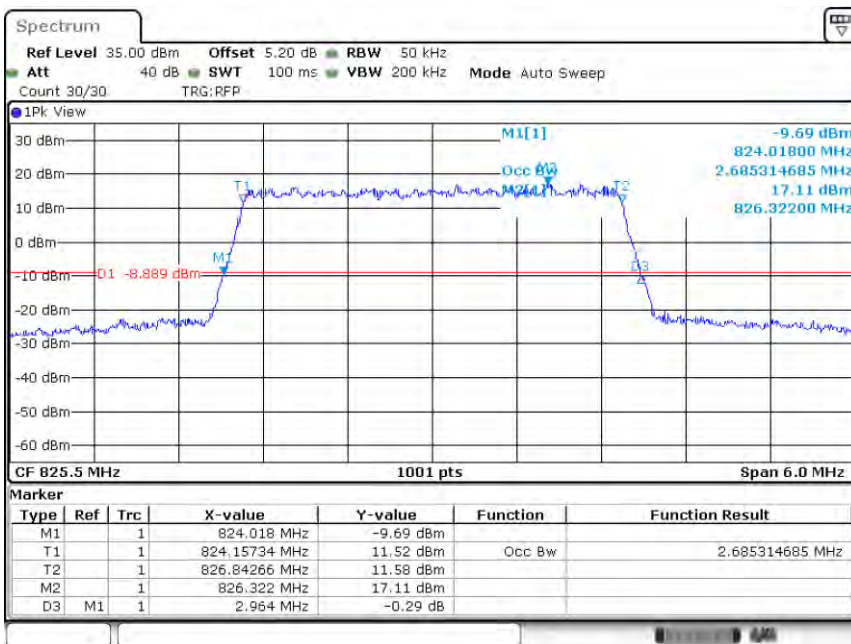
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**Band5-3MHz-QPSK-20635-15RB#0-2.697**



Date: 21.OCT.2020 23:15:10

**Band5-3MHz-16QAM-20415-15RB#0-2.685**

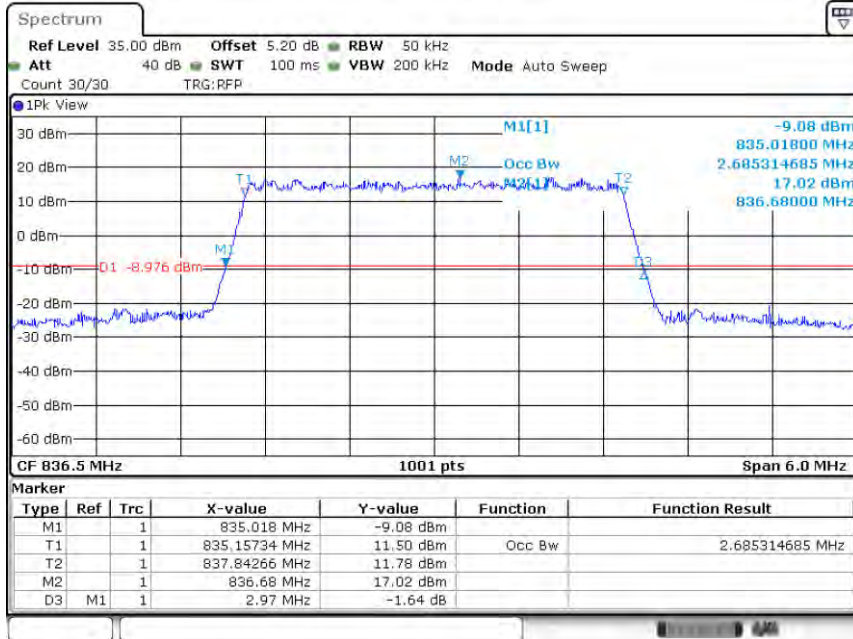


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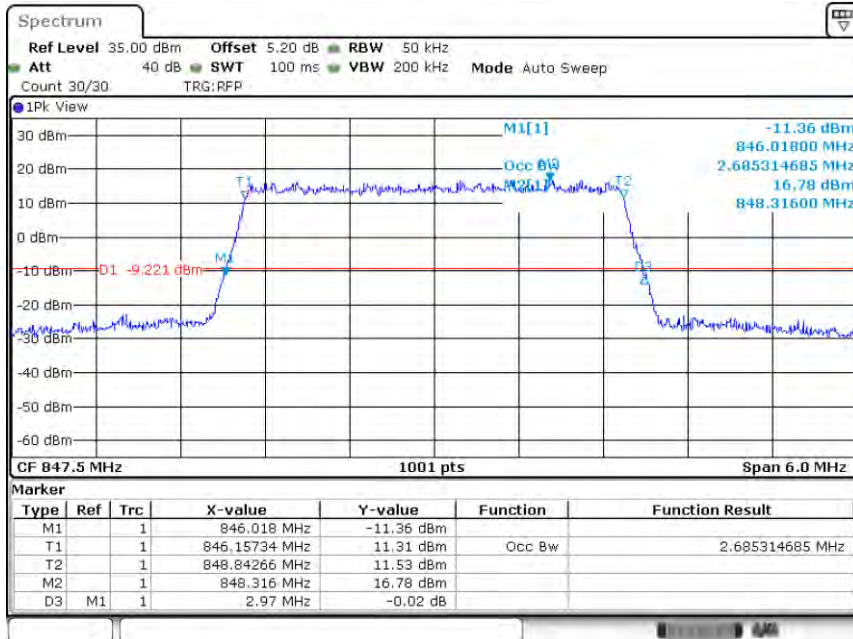
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**Band5-3MHz-16QAM-20525-15RB#0-2.685**



Date: 21.OCT.2020 23:14:54

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

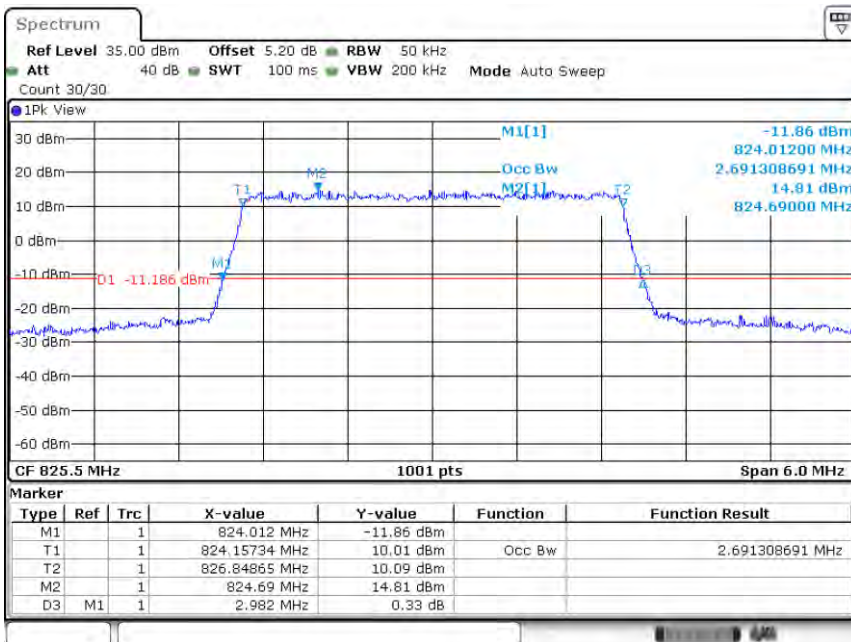


Date: 21.OCT.2020 23:15:26



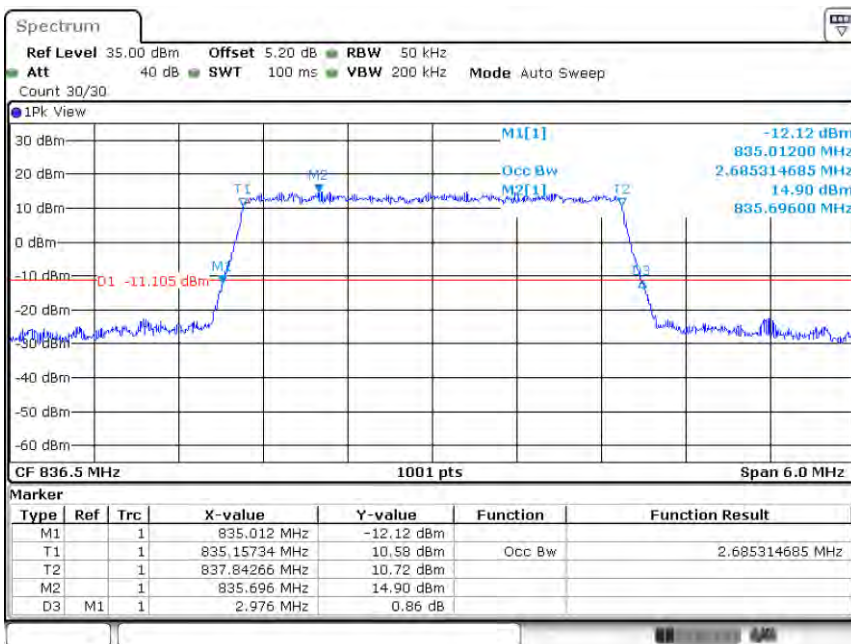
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**Band5-3MHz-64QAM-20415-15RB#0-2.691**



Date: 22.OCT.2020 10:47:21

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

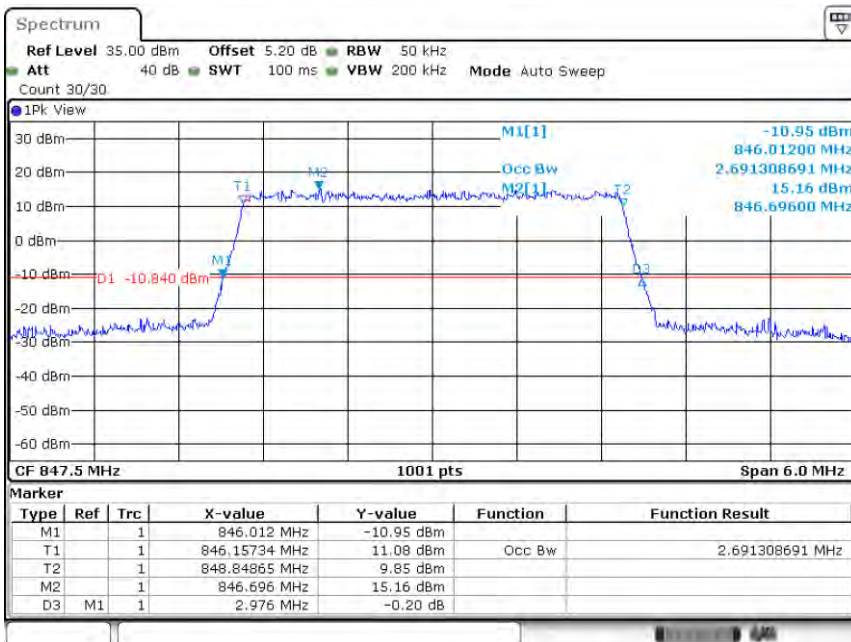


Date: 22.OCT.2020 10:47:37



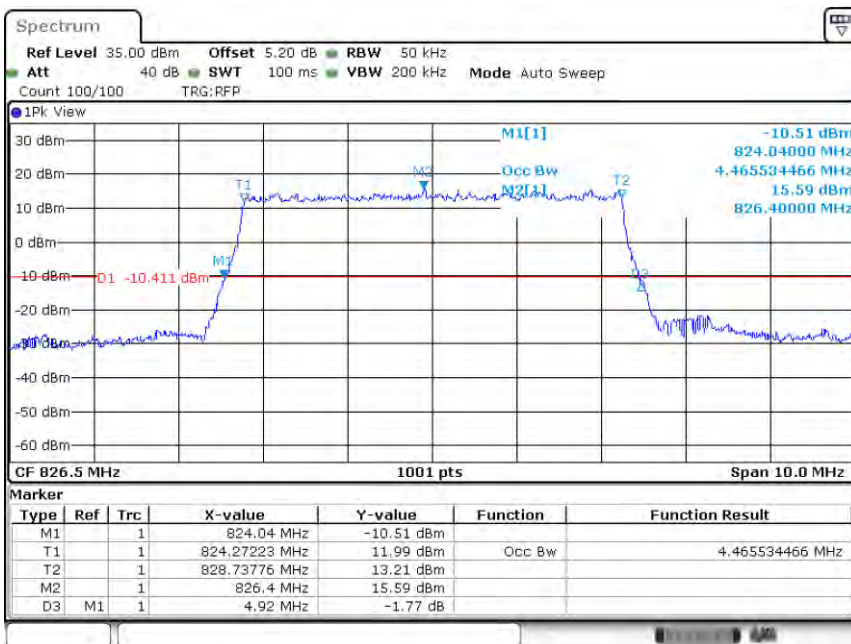
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**Band5-3MHz-64QAM-20635-15RB#0-2.691**



Date: 22.OCT.2020 10:47:53

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

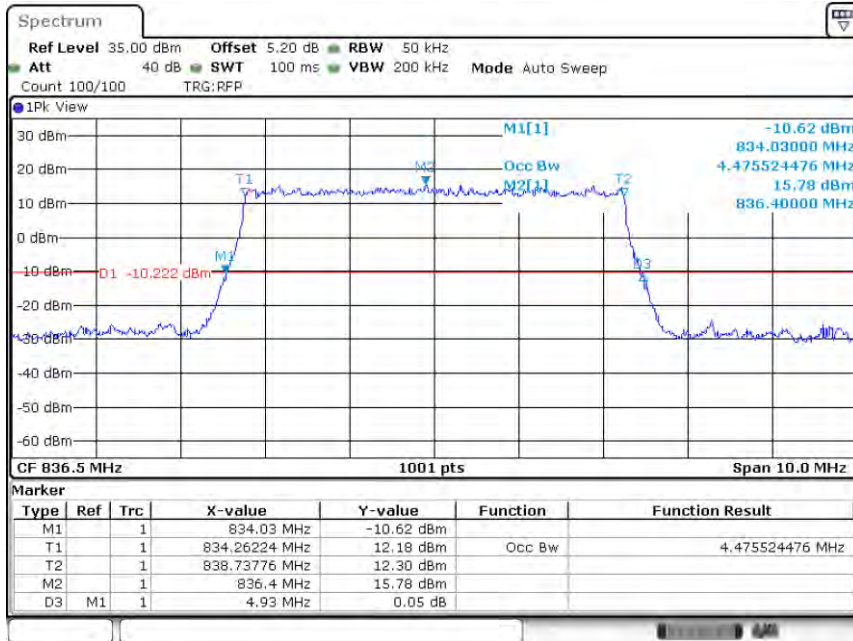


Date: 21.OCT.2020 23:15:56



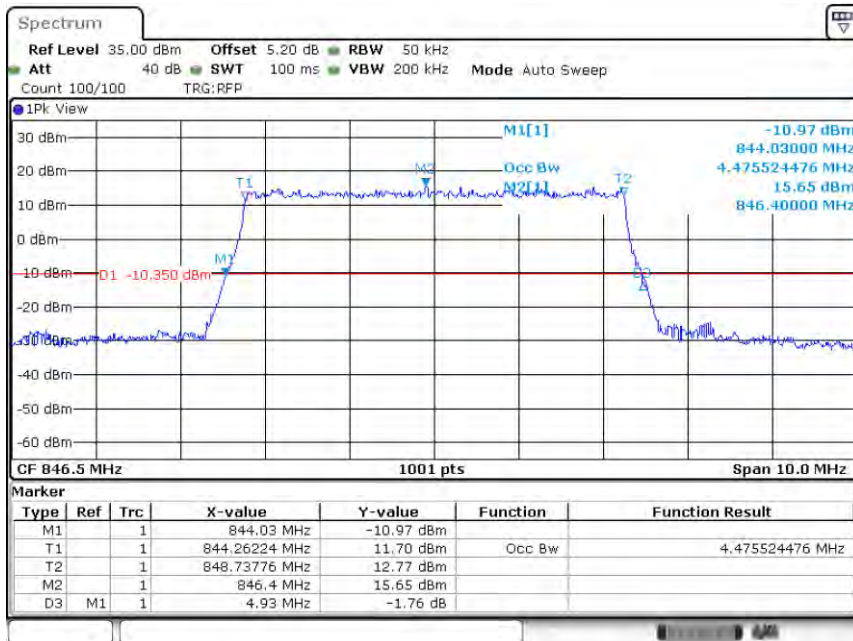
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**Band5-5MHz-QPSK-20525-25RB#0-4.476**



Date: 21.OCT.2020 23:16:41

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

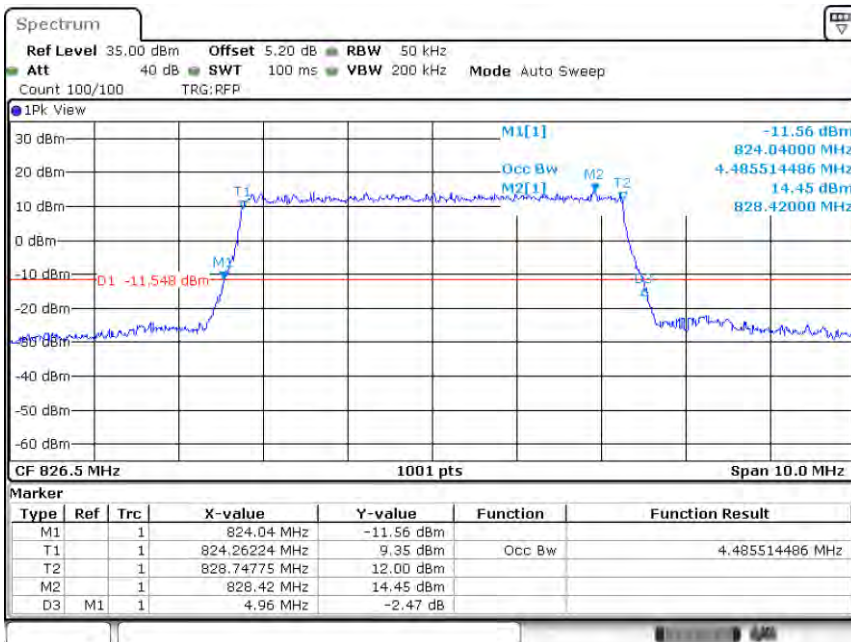


Date: 21.OCT.2020 23:17:27



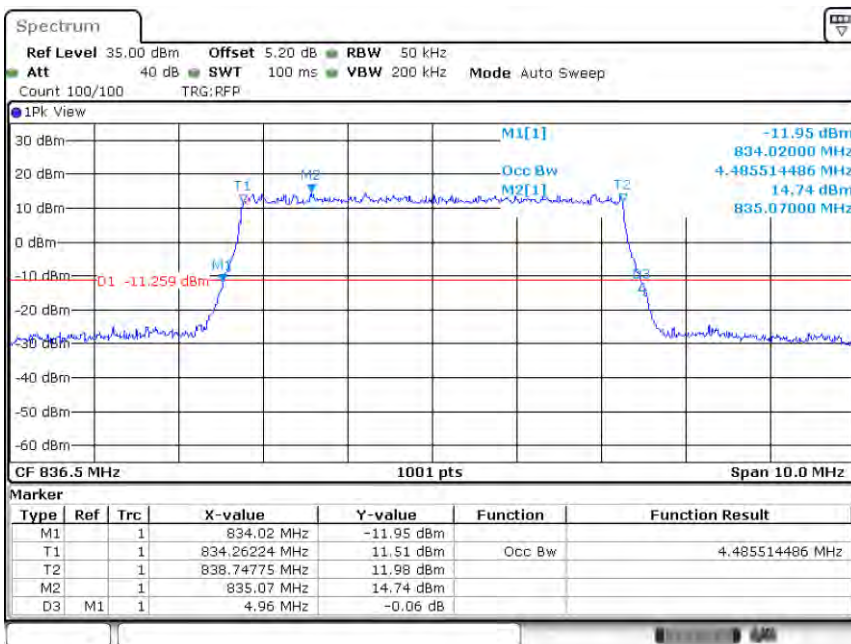
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**Band5-5MHz-16QAM-20425-25RB#0-4.486**



Date: 21.OCT.2020 23:16:18

**Band5-5MHz-16QAM-20525-25RB#0-4.486**

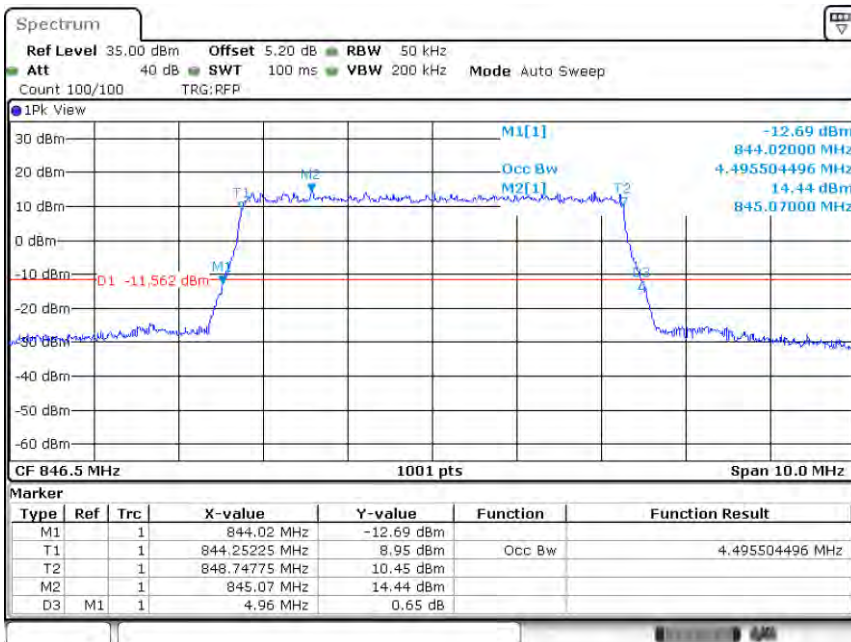


Date: 21.OCT.2020 23:17:04



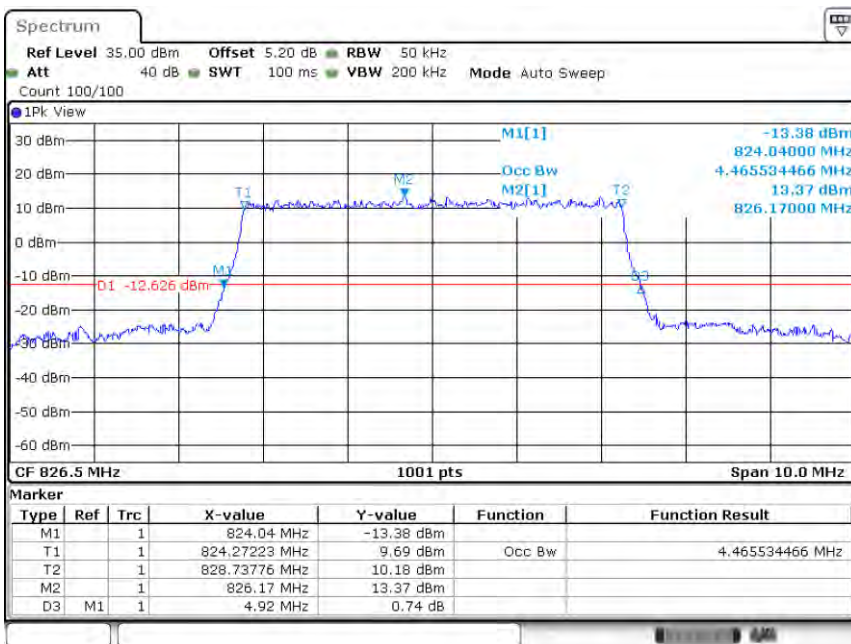
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**Band5-5MHz-16QAM-20625-25RB#0-4.496**



Date: 21.OCT.2020 23:17:50

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



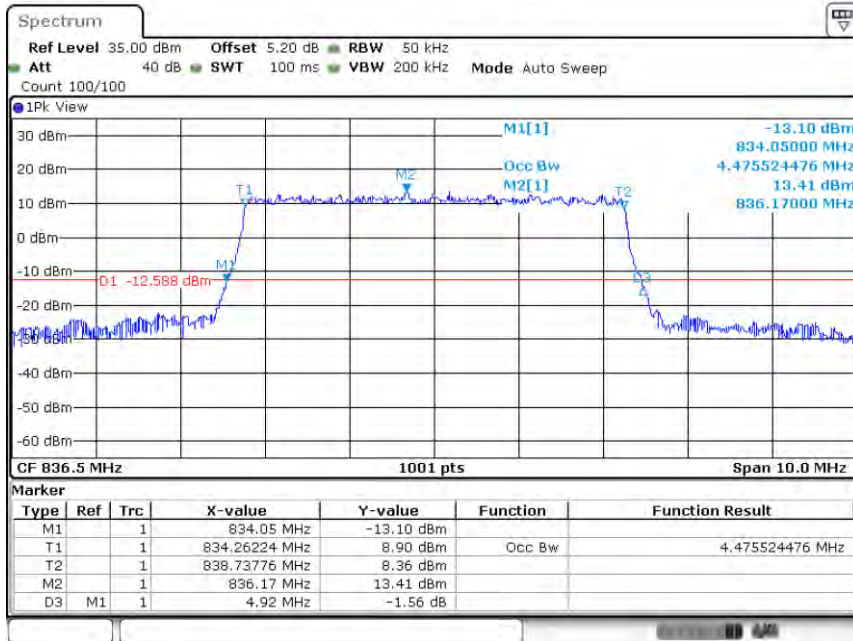
Date: 22.OCT.2020 10:48:23



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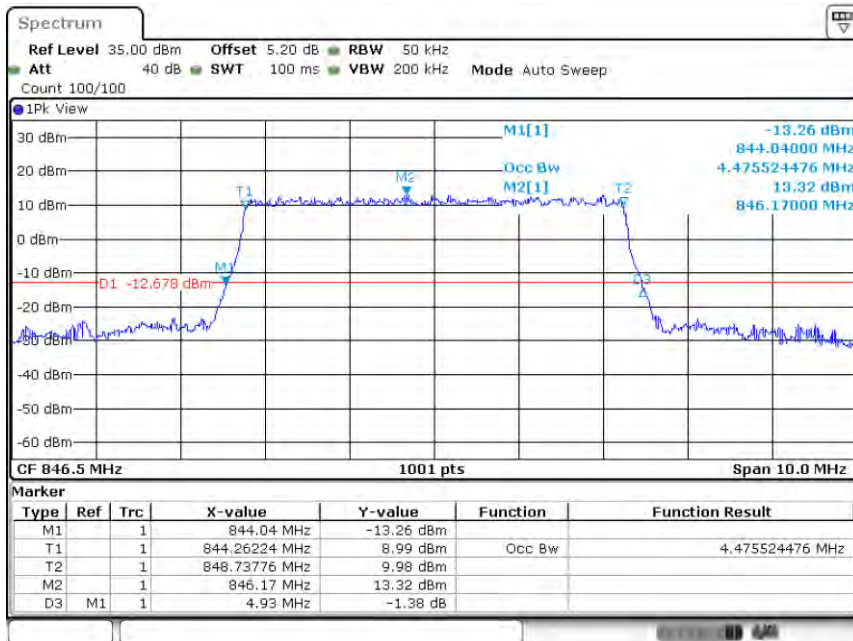


**Band5-5MHz-64QAM-20525-25RB#0-4.476**



Date: 22.OCT.2020 10:48:46

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

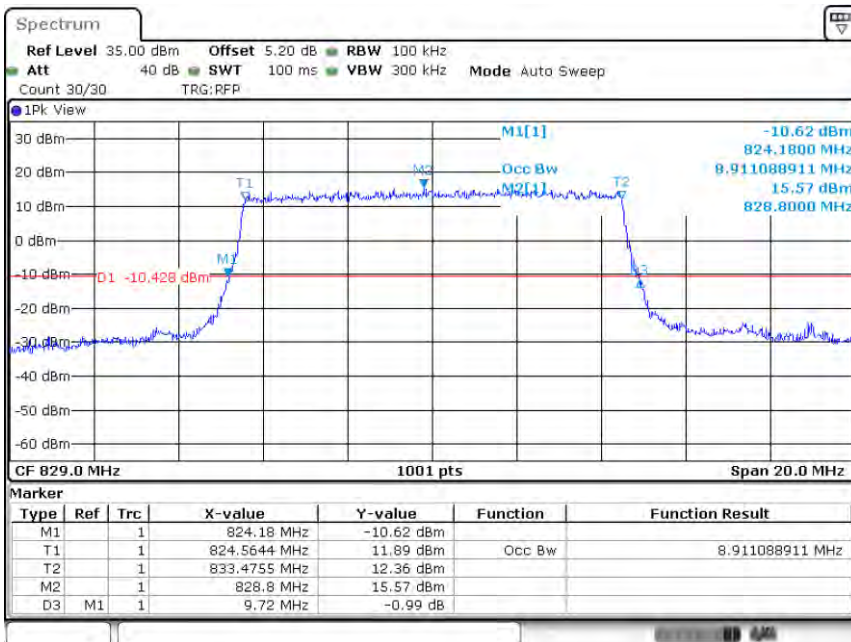


Date: 22.OCT.2020 10:49:09



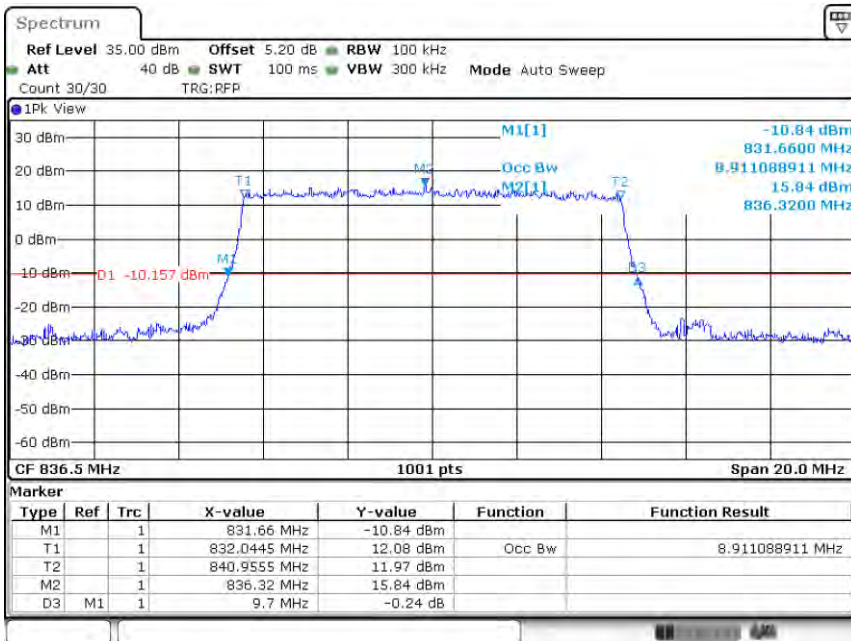
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**Band5-10MHz-QPSK-20450-50RB#0-8.911**



Date: 21.OCT.2020 23:18:12

**Band5-10MHz-QPSK-20525-50RB#0-8.911**

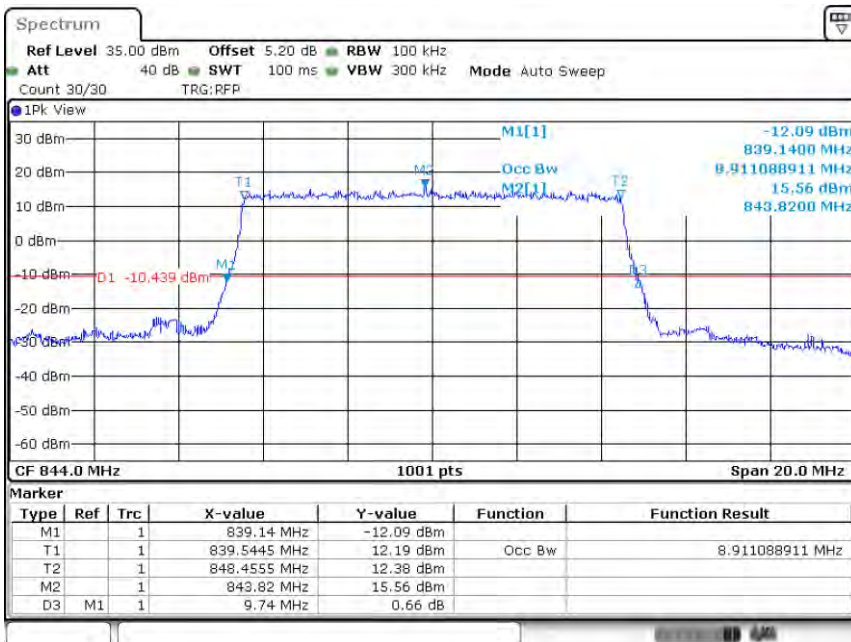


Date: 21.OCT.2020 23:18:44



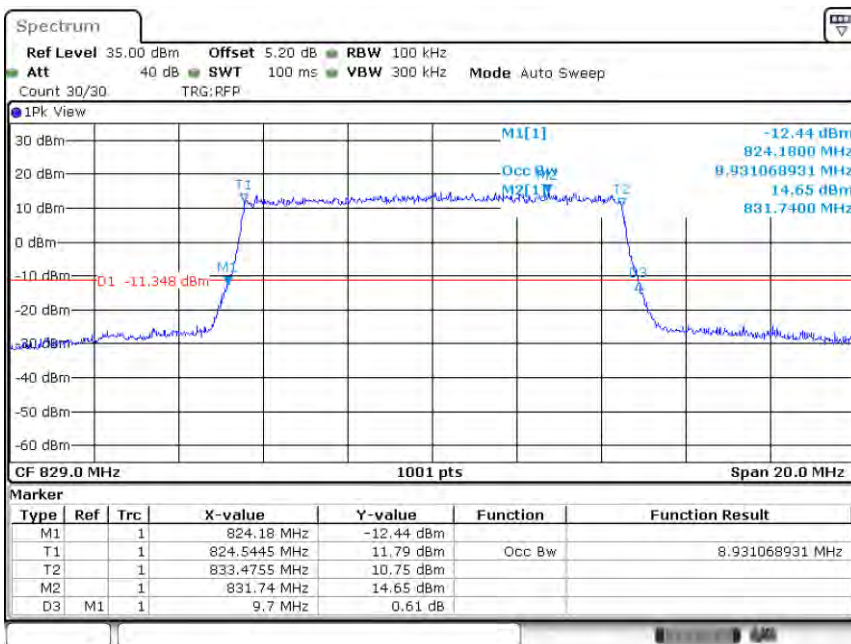
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**Band5-10MHz-QPSK-20600-50RB#0-8.911**



Date: 21.OCT.2020 23:19:16

**Band5-10MHz-16QAM-20450-50RB#0-8.931**



Date: 21.OCT.2020 23:18:28

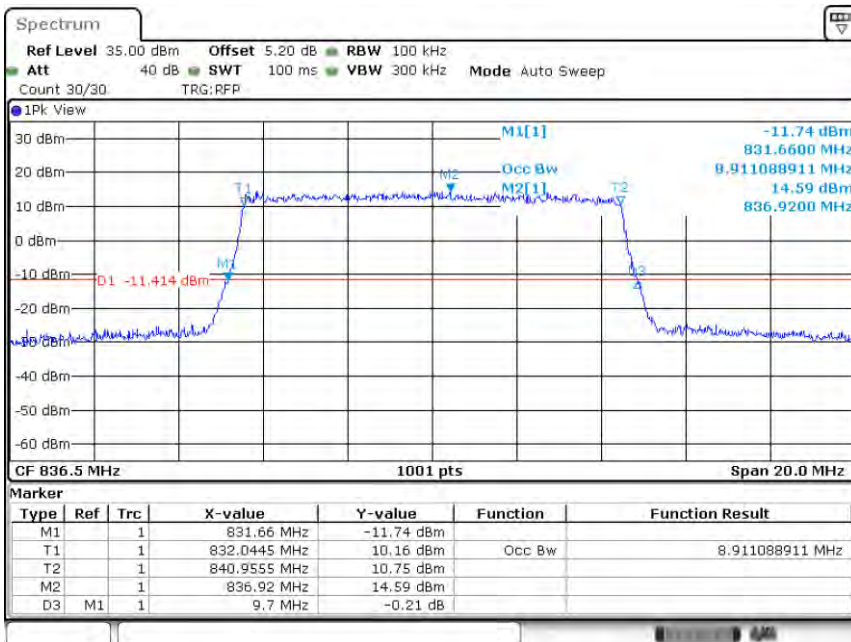


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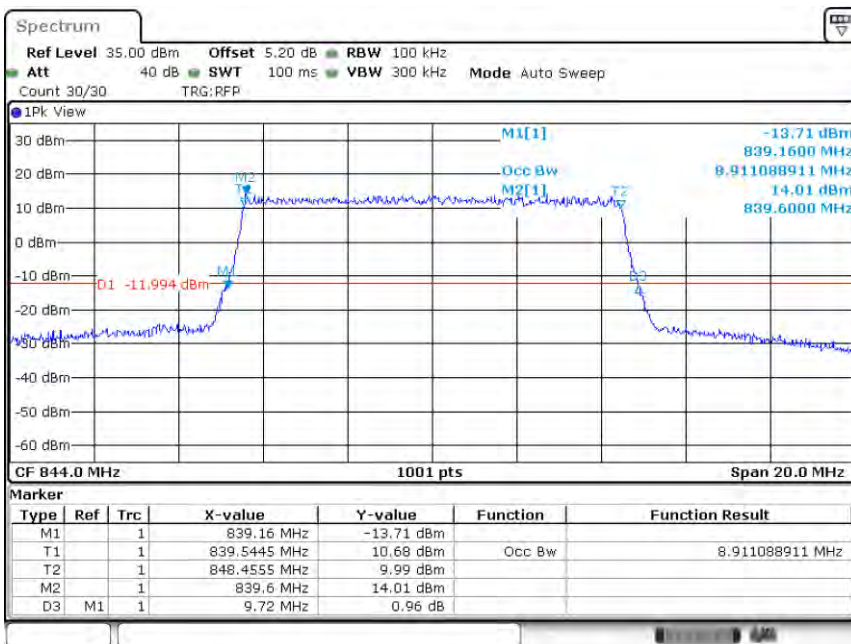
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**Band5-10MHz-16QAM-20525-50RB#0-8.911**



Date: 21.OCT.2020 23:19:00

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

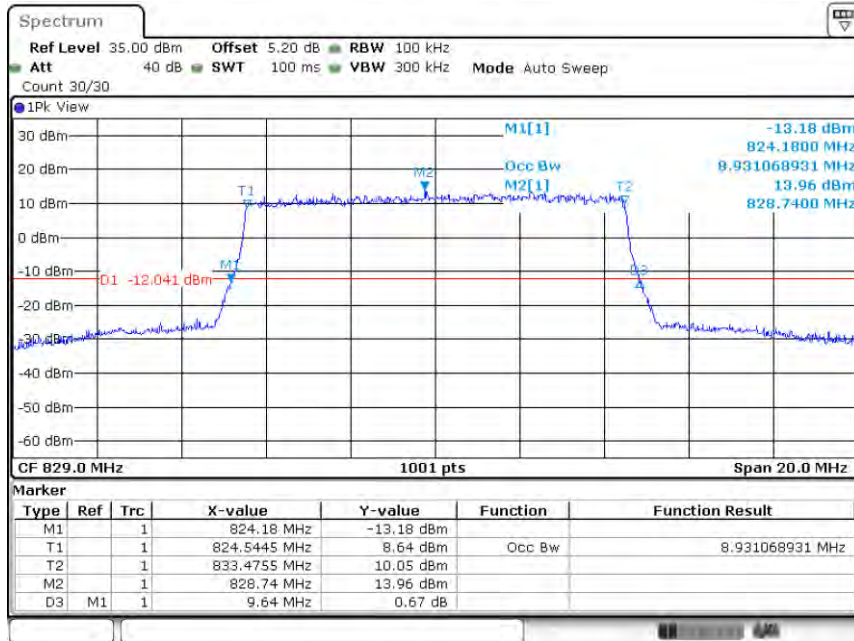


Date: 21.OCT.2020 23:19:32



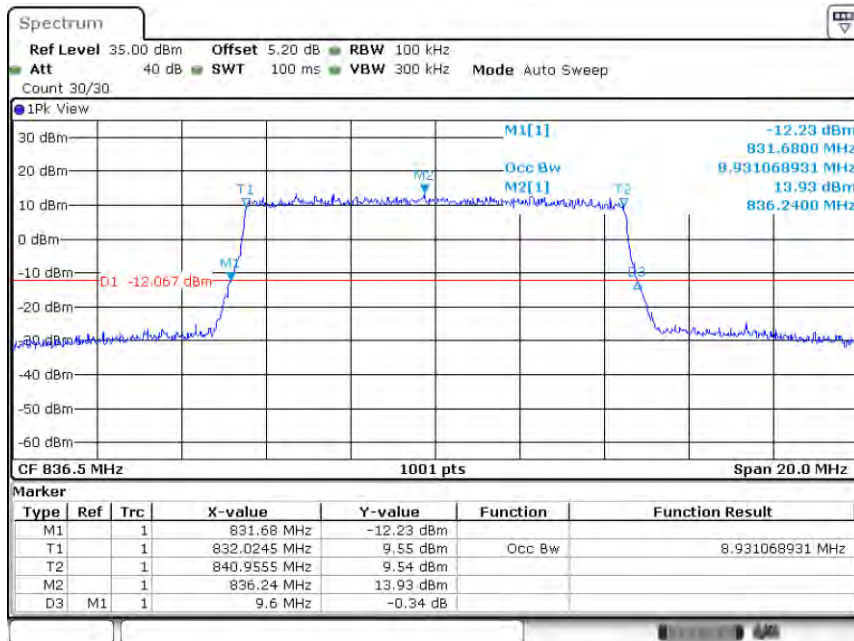
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**Band5-10MHz-64QAM-20450-50RB#0-8.931**



Date: 22.OCT.2020 10:49:32

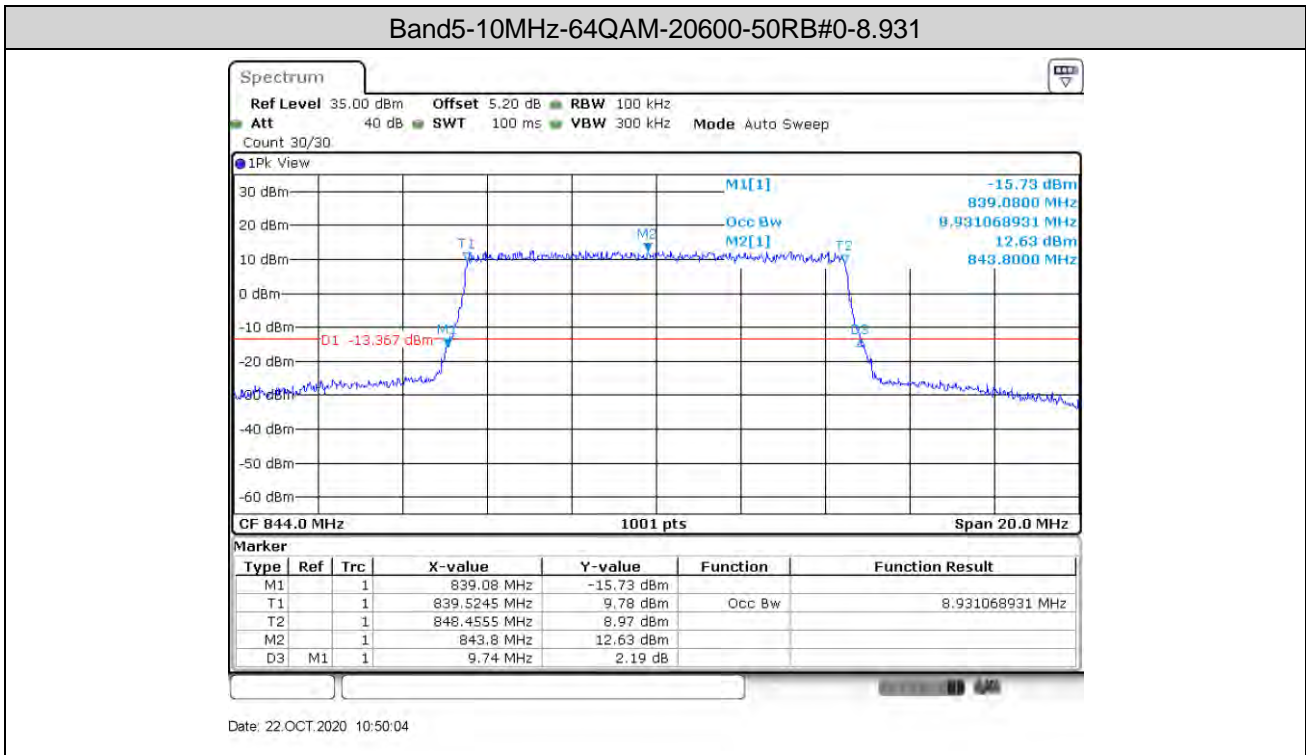
**Band5-10MHz-64QAM-20525-50RB#0-8.931**



Date: 22.OCT.2020 10:49:48



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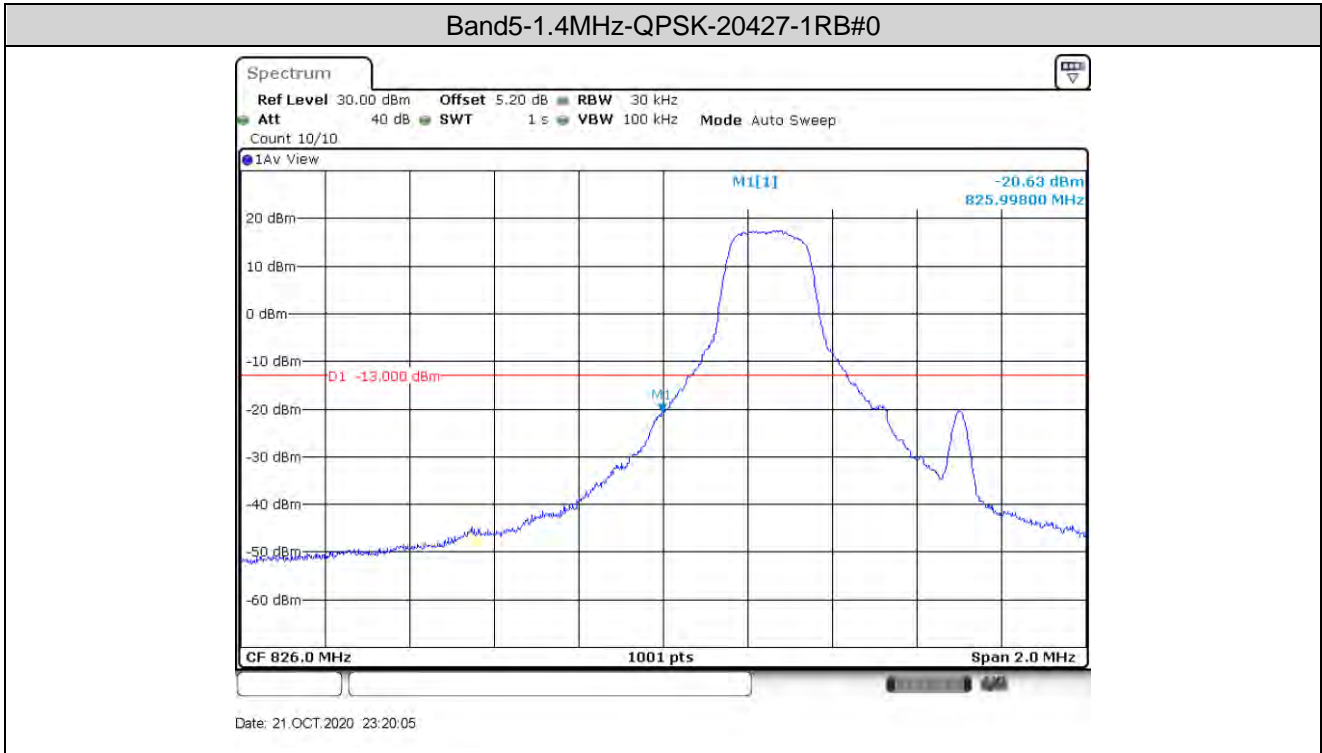
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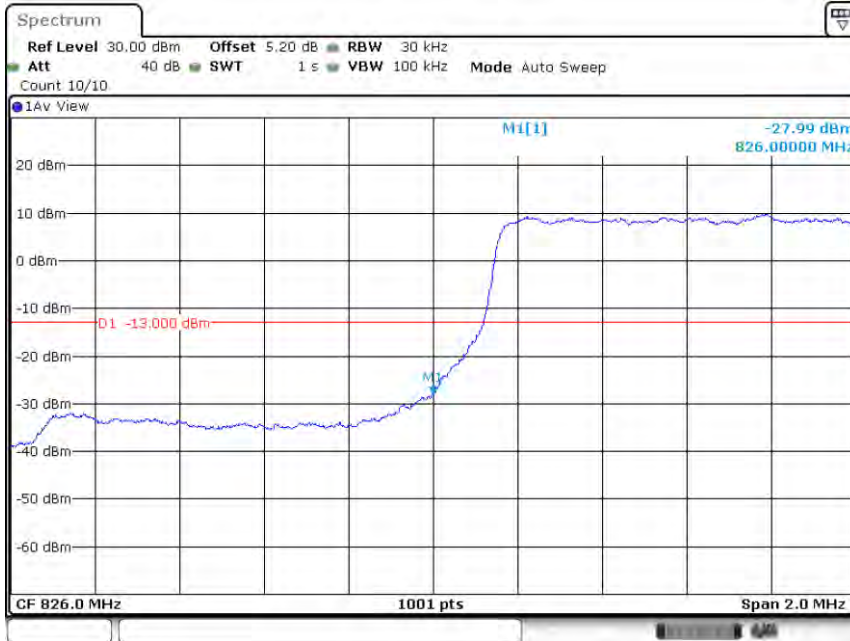
## 5 Band Edge Compliance

### 5.1 Test Plots



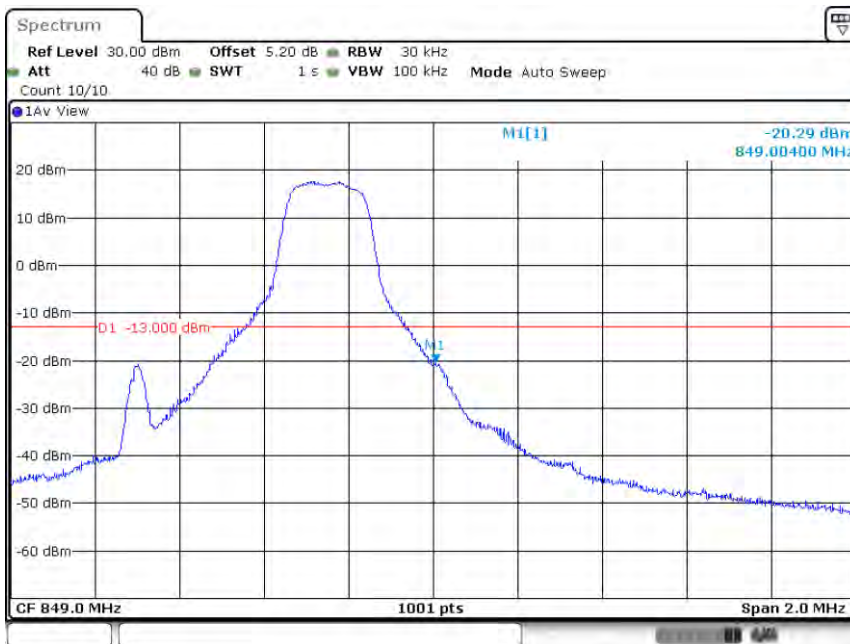
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**Band5-1.4MHz-QPSK-20427-6RB#0**



Date: 21.OCT.2020 23:20:52

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



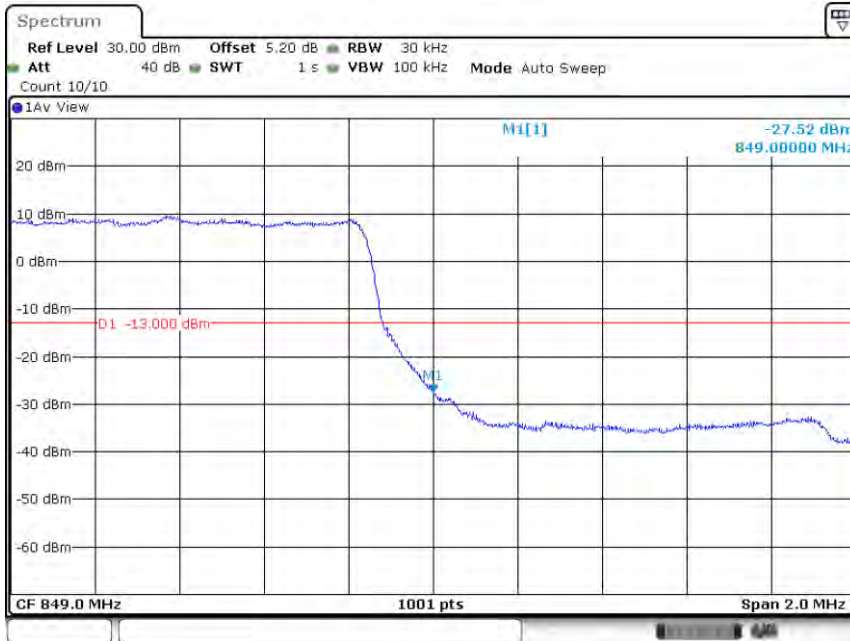
Date: 21.OCT.2020 23:21:47



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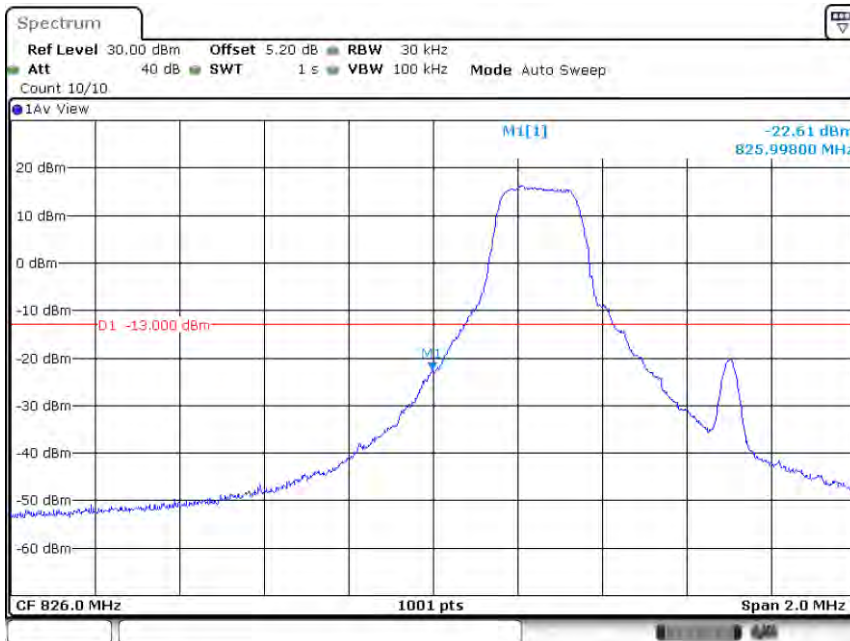


**Band5-1.4MHz-QPSK-20643-6RB#0**



Date: 21.OCT.2020 23:22:34

**Band5-1.4MHz-16QAM-20427-1RB#0**

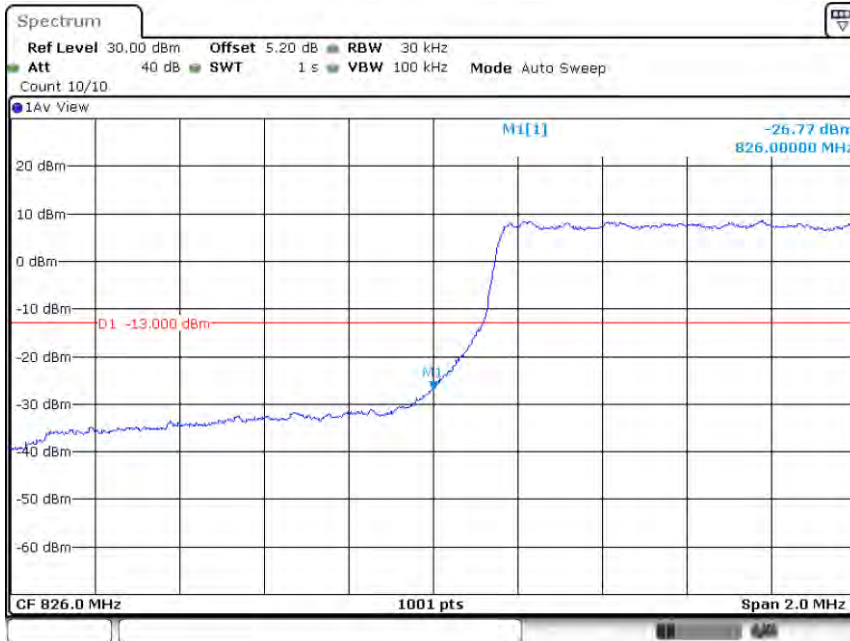


Date: 21.OCT.2020 23:20:28



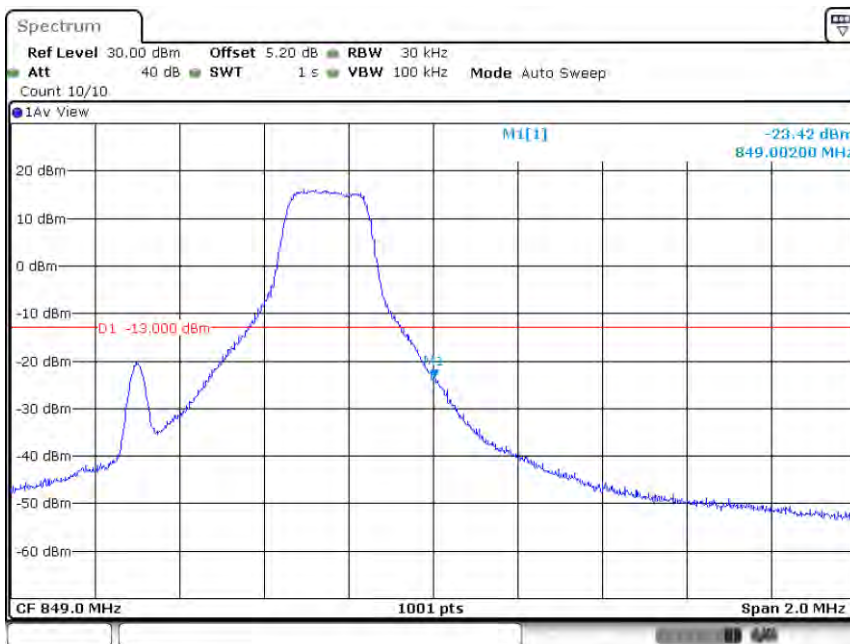
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**Band5-1.4MHz-16QAM-20427-6RB#0**



Date: 21.OCT.2020 23:21:16

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

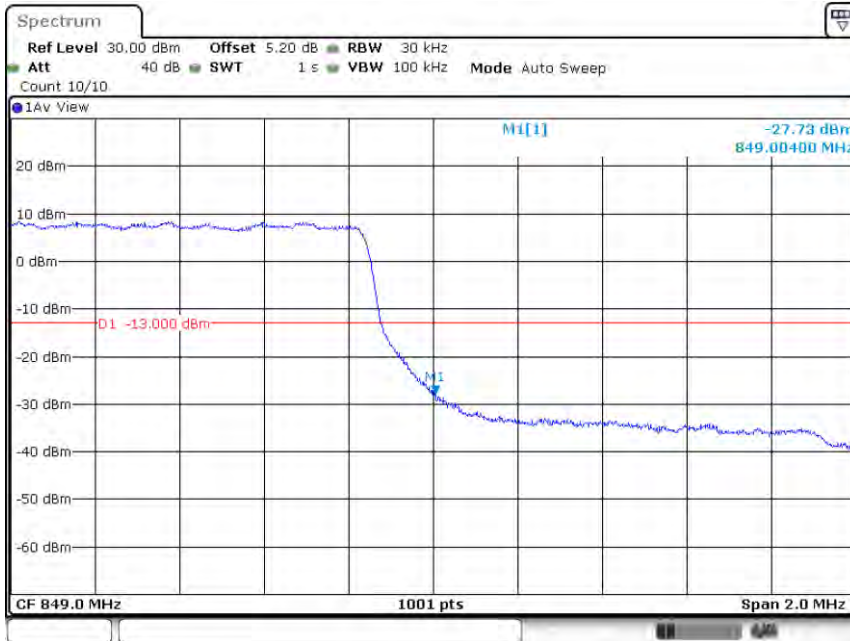


Date: 21.OCT.2020 23:22:11



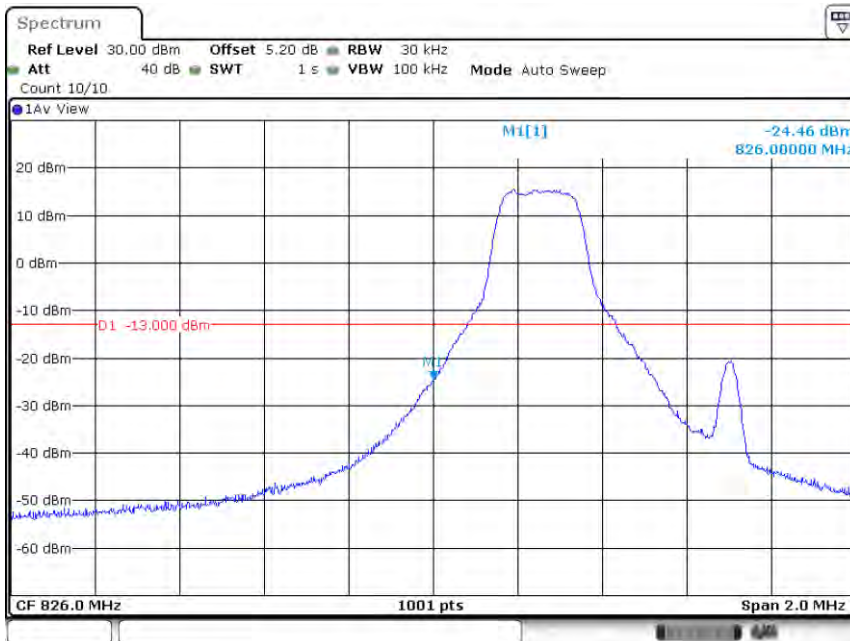
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**Band5-1.4MHz-16QAM-20643-6RB#0**



Date: 21.OCT.2020 23:22:58

**Band5-1.4MHz-64QAM-20427-1RB#0**

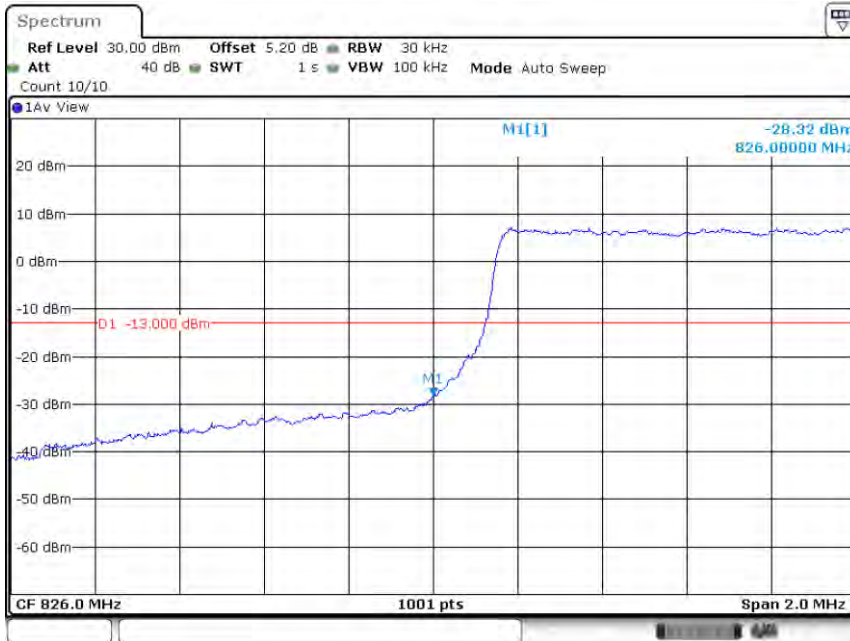


Date: 22.OCT.2020 10:50:38



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**Band5-1.4MHz-64QAM-20427-6RB#0**



Date: 22.OCT.2020 10:51:02

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



Date: 22.OCT.2020 10:51:34



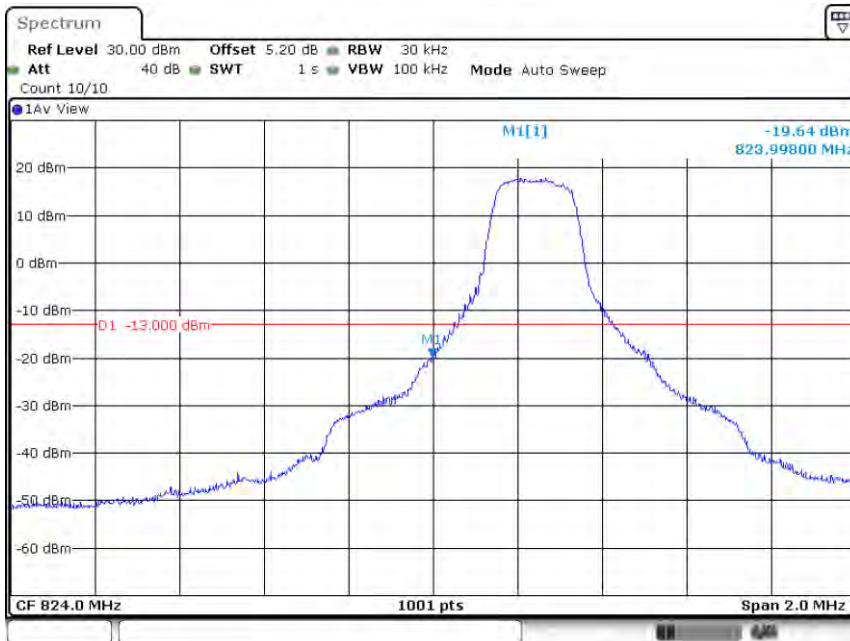
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**Band5-1.4MHz-64QAM-20643-6RB#0**



Date: 22.OCT.2020 10:51:57

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



Date: 21.OCT.2020 23:23:31

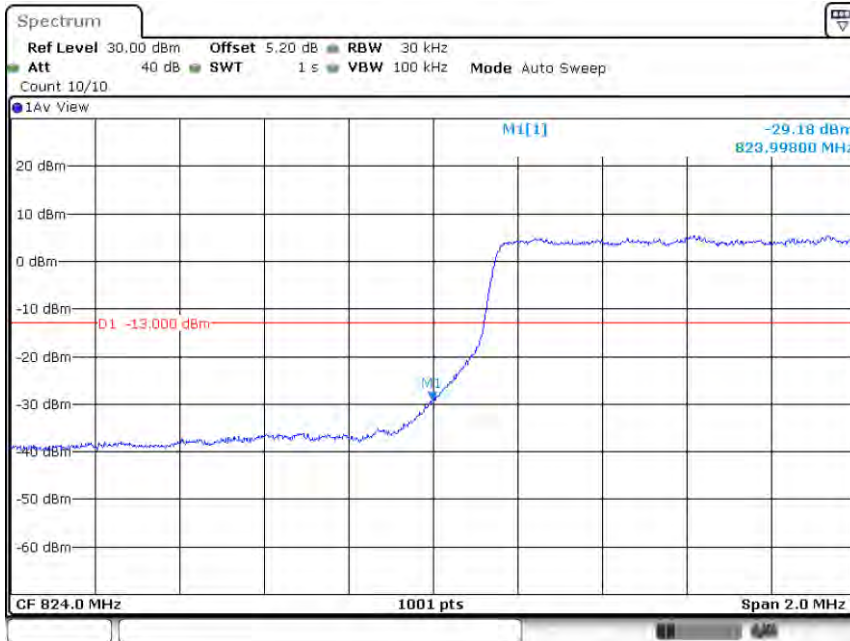


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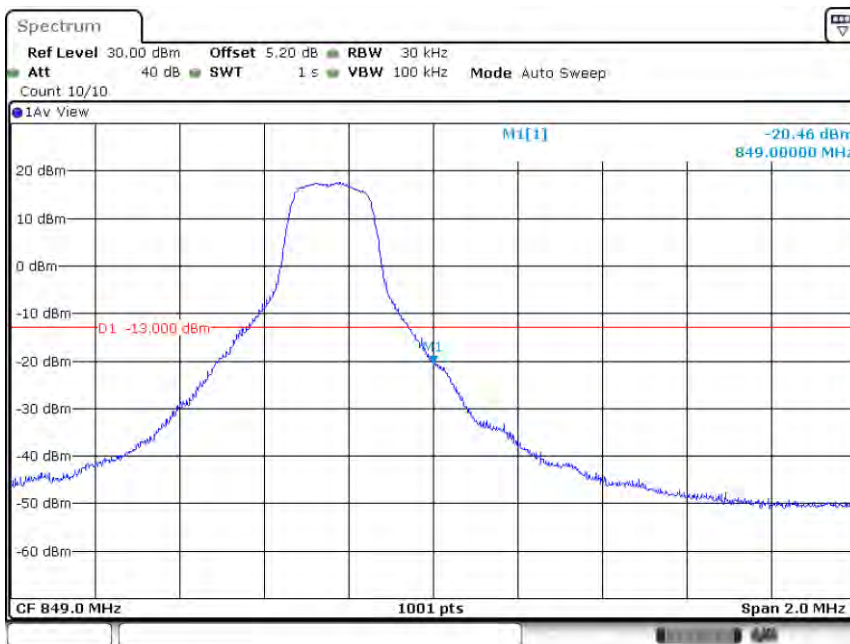
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**Band5-3MHz-QPSK-20415-15RB#0**



Date: 21.OCT.2020 23:24:19

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



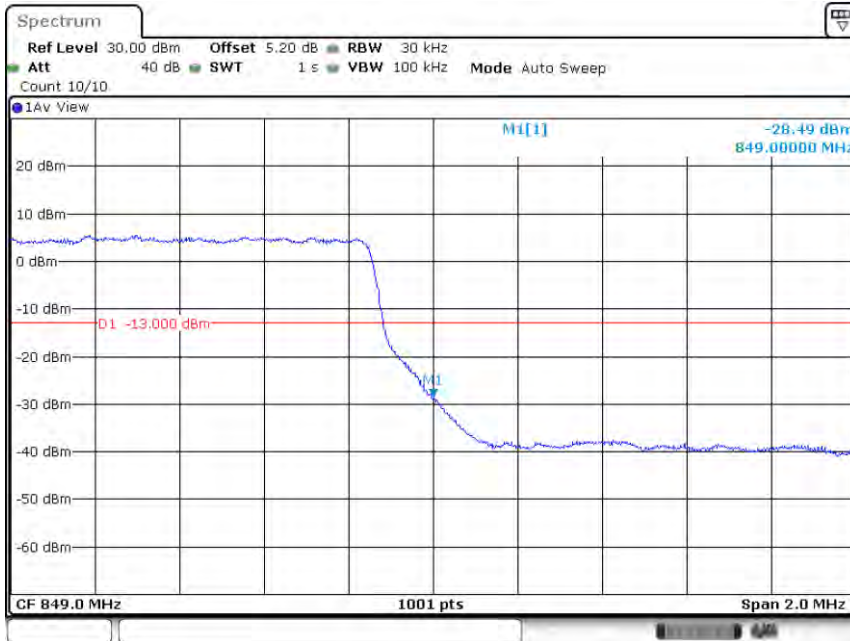
Date: 21.OCT.2020 23:25:14



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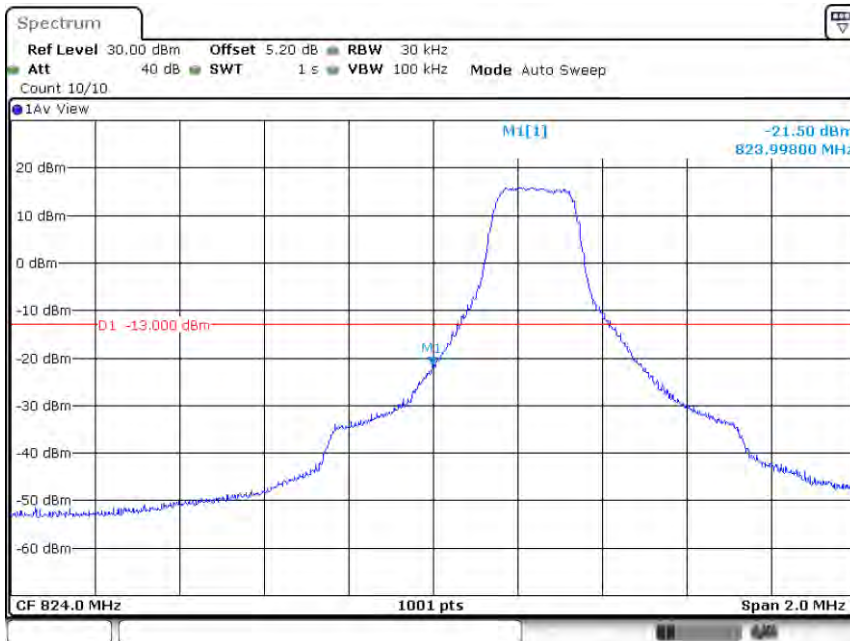
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**Band5-3MHz-QPSK-20635-15RB#0**



Date: 21.OCT.2020 23:26:01

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

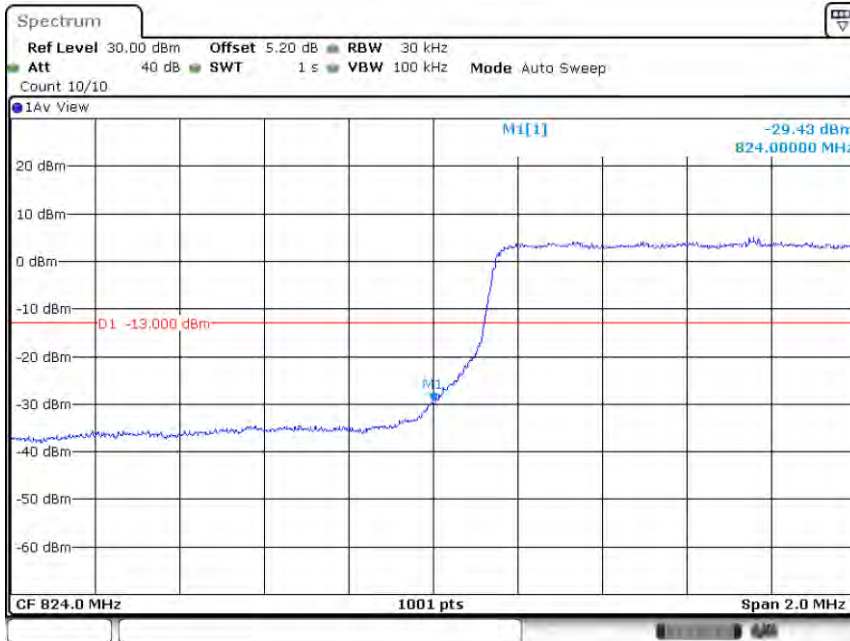


Date: 21.OCT.2020 23:23:55



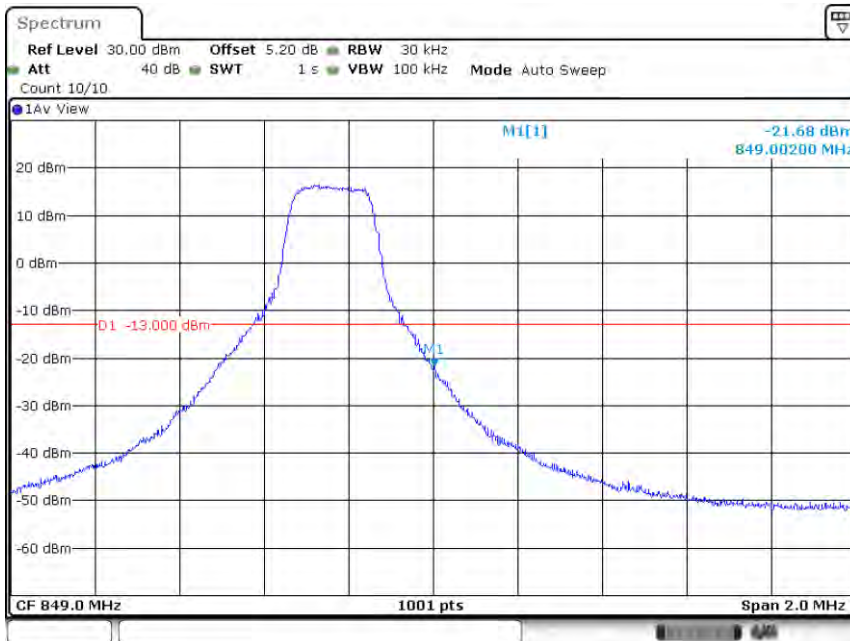
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**Band5-3MHz-16QAM-20415-15RB#0**



Date: 21.OCT.2020 23:24:42

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



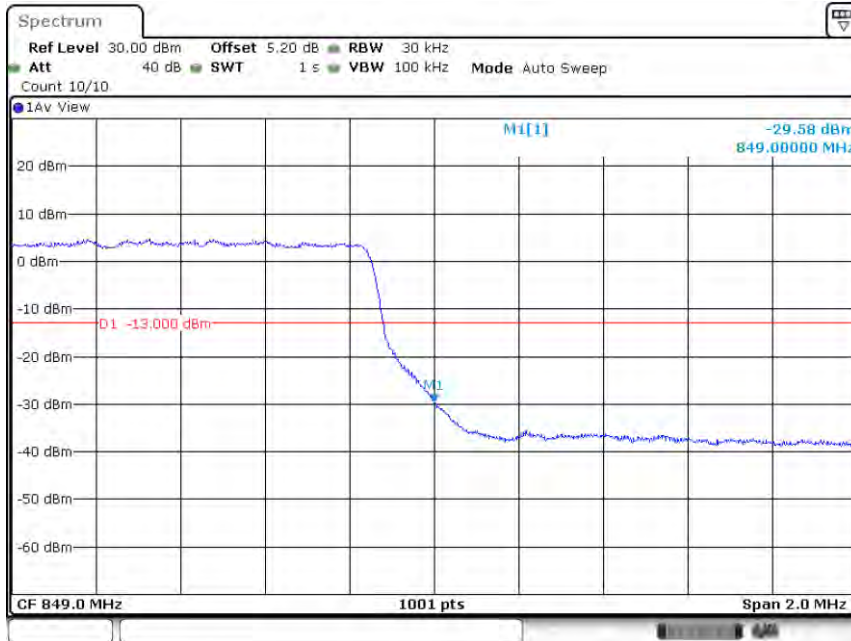
Date: 21.OCT.2020 23:25:37



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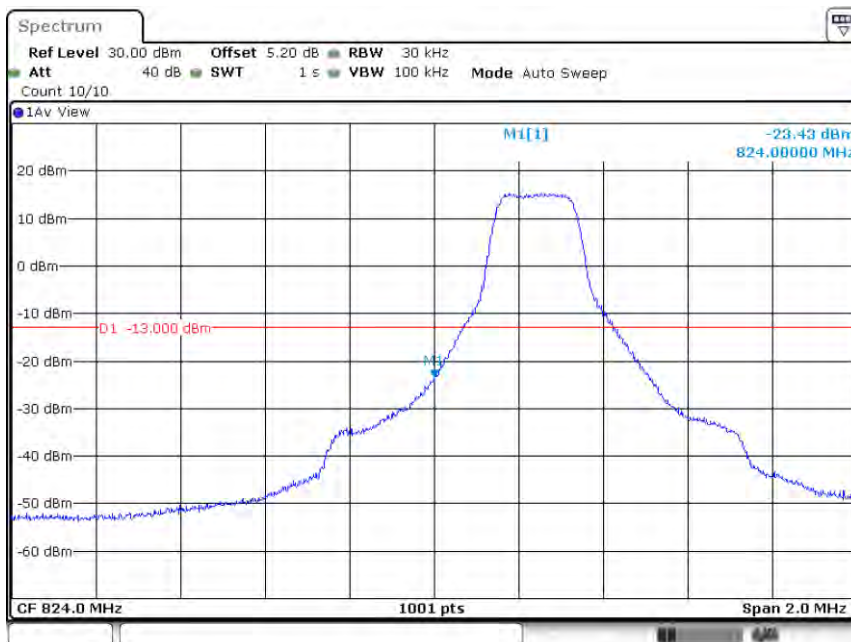


**Band5-3MHz-16QAM-20635-15RB#0**



Date: 21.OCT.2020 23:26:25

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



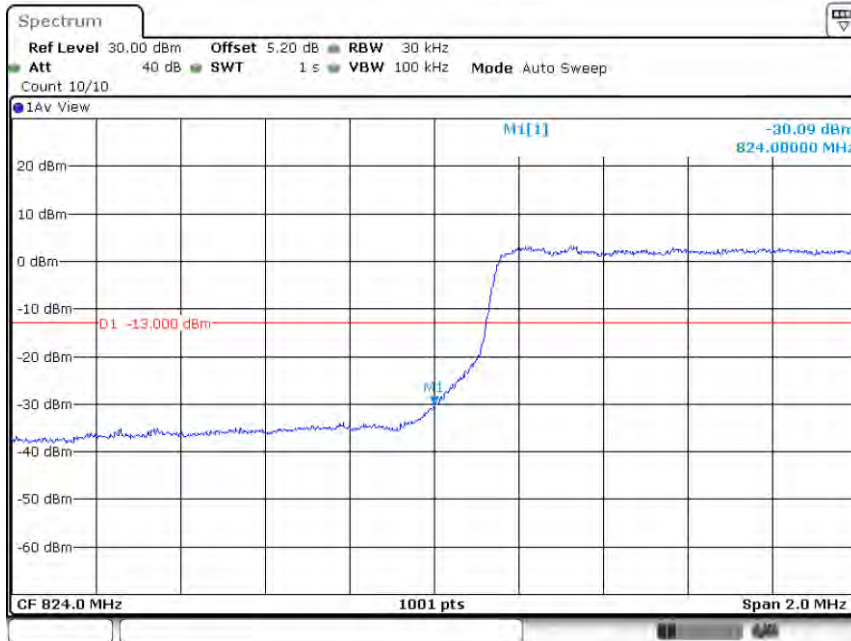
Date: 22.OCT.2020 10:52:32



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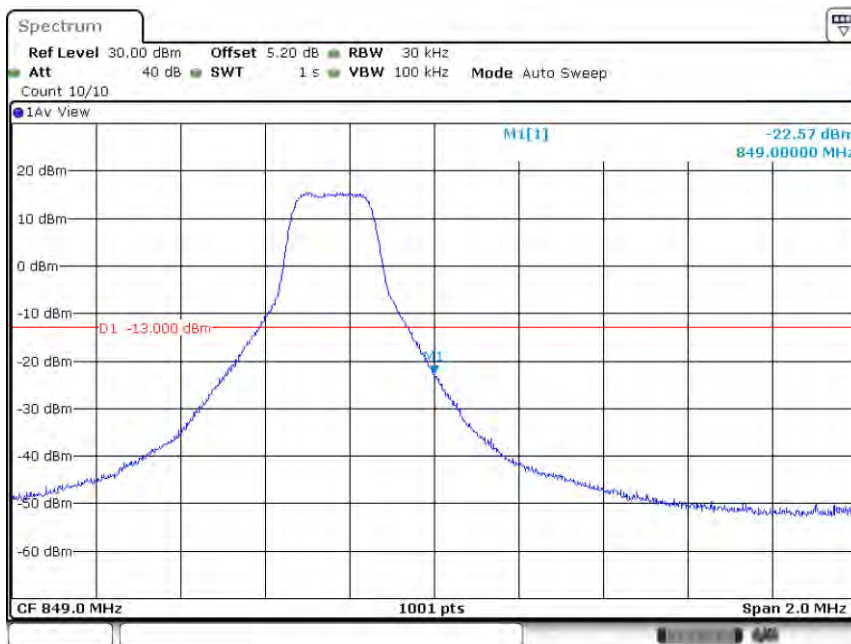
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**Band5-3MHz-64QAM-20415-15RB#0**



Date: 22.OCT.2020 10:52:55

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



Date: 22.OCT.2020 10:53:27



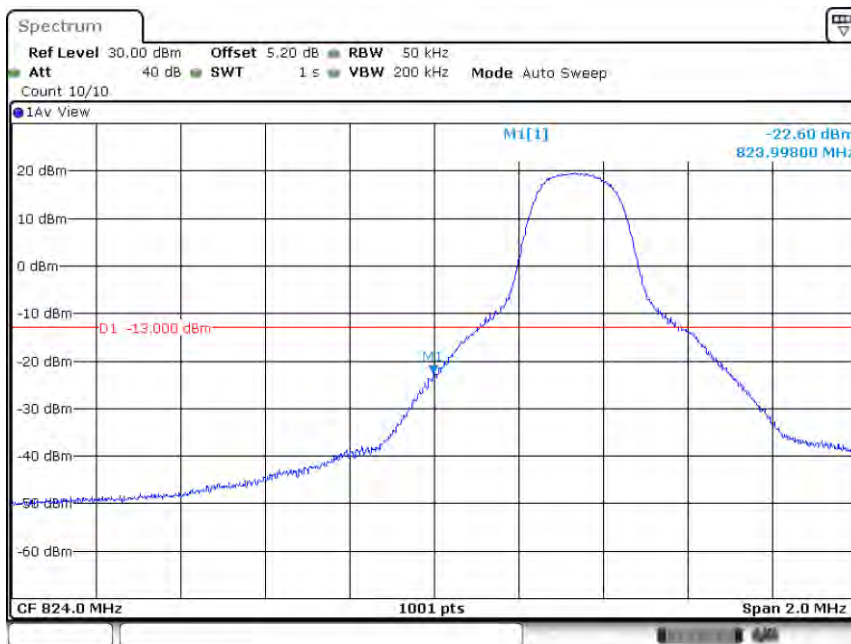
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**Band5-3MHz-64QAM-20635-15RB#0**



Date: 22.OCT.2020 10:53:51

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

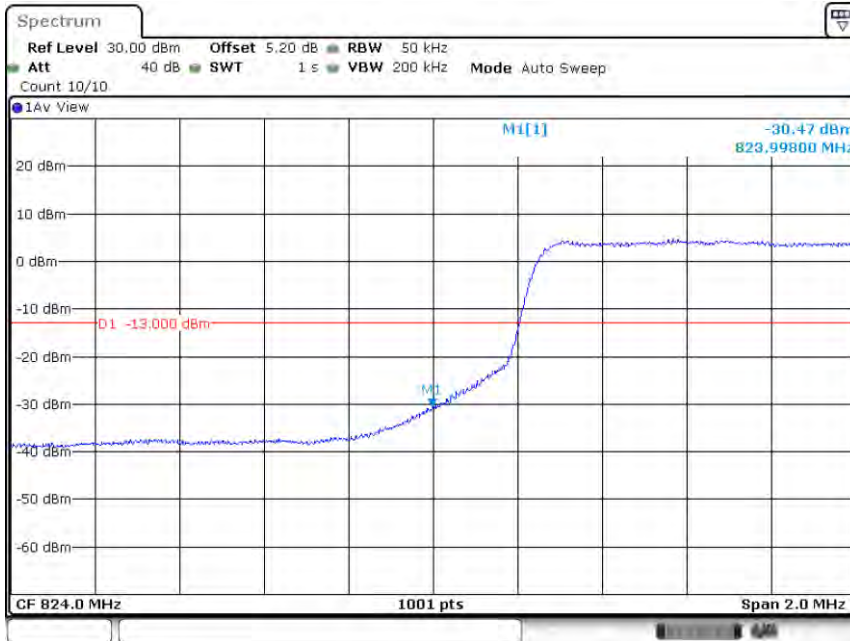


Date: 21.OCT.2020 23:26:58



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



Date: 21.OCT.2020 23:27:45

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

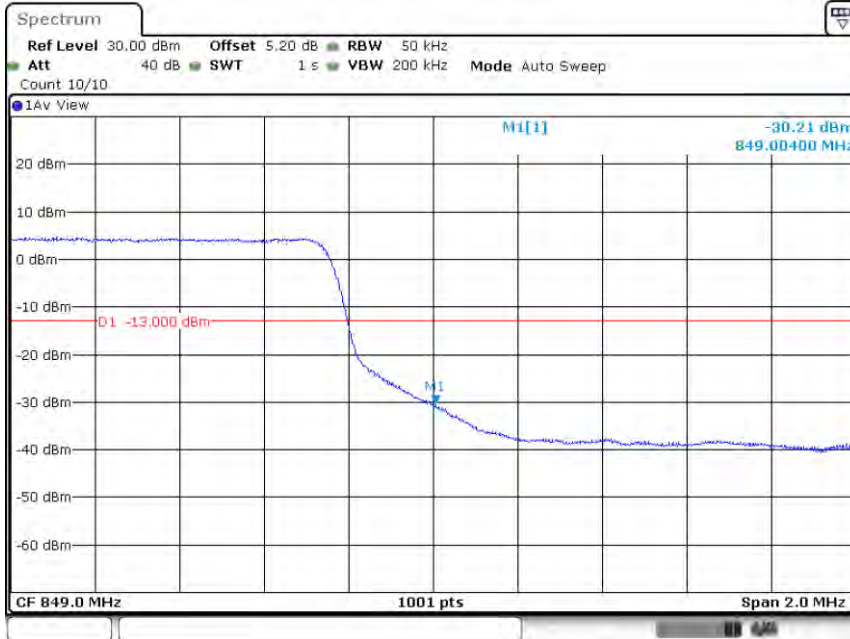


Date: 21.OCT.2020 23:28:40



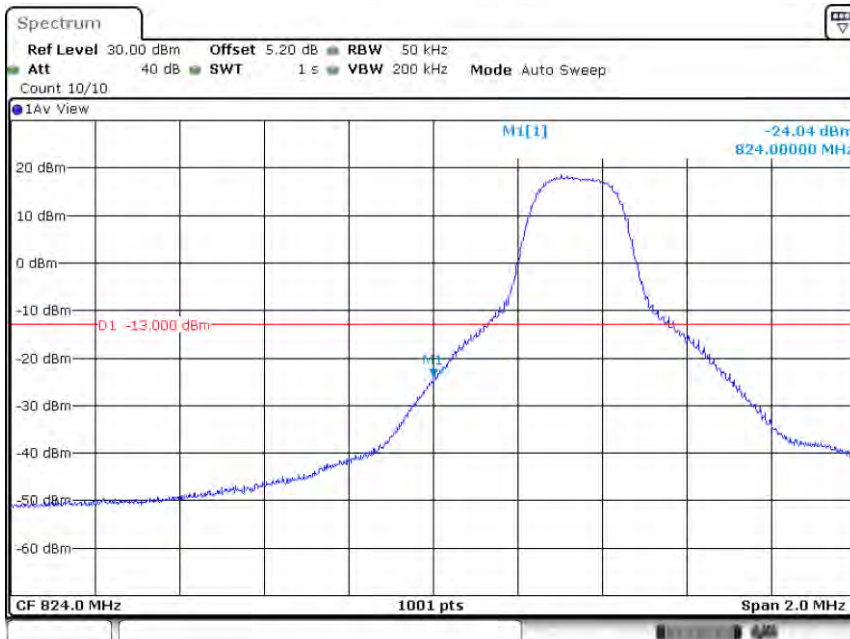
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**Band5-5MHz-QPSK-20625-25RB#0**



Date: 21.OCT.2020 23:29:27

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



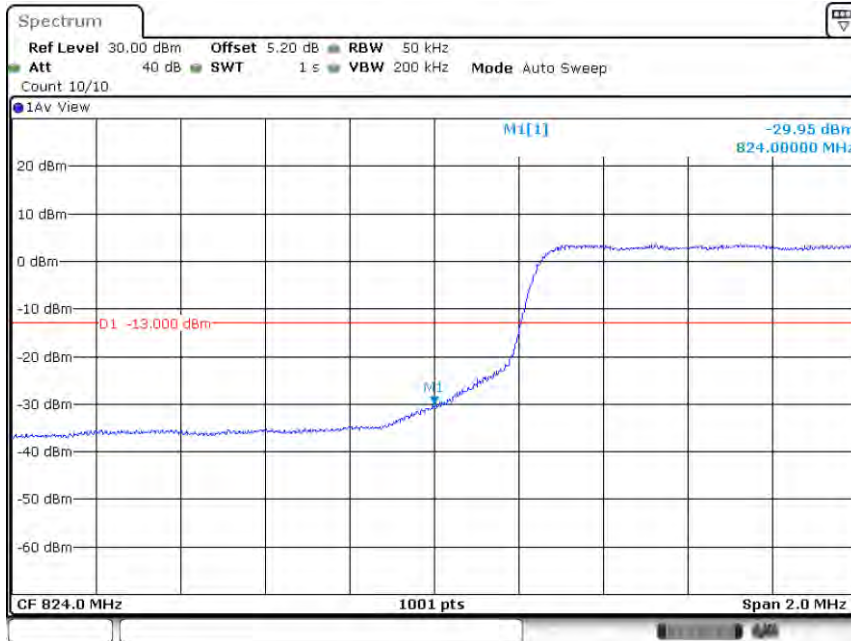
Date: 21.OCT.2020 23:27:21



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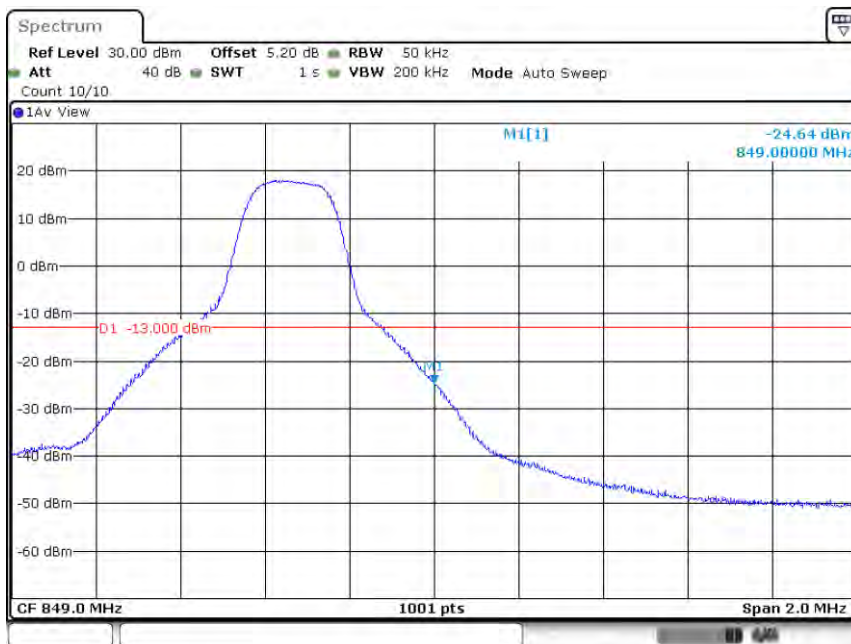
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**Band5-5MHz-16QAM-20425-25RB#0**



Date: 21.OCT.2020 23:28:08

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

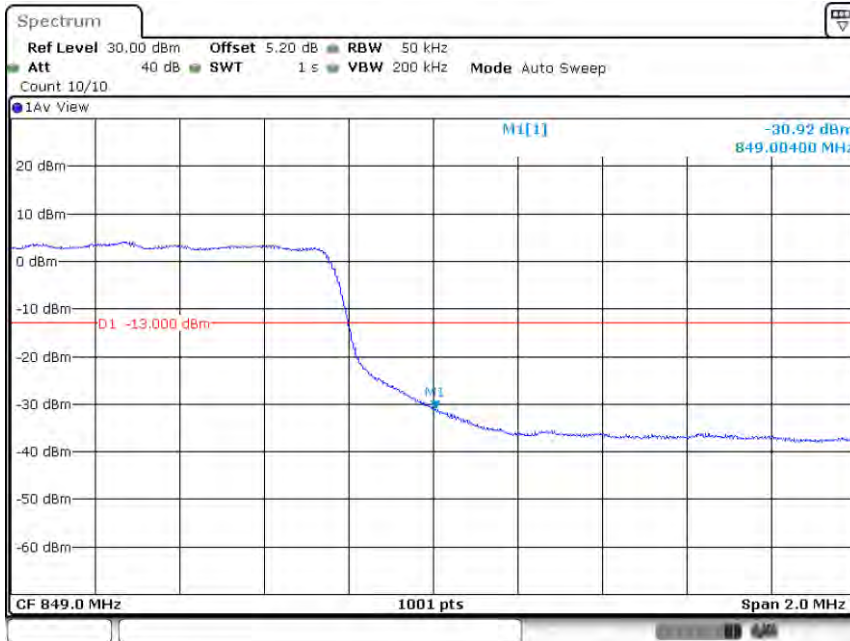


Date: 21.OCT.2020 23:29:04



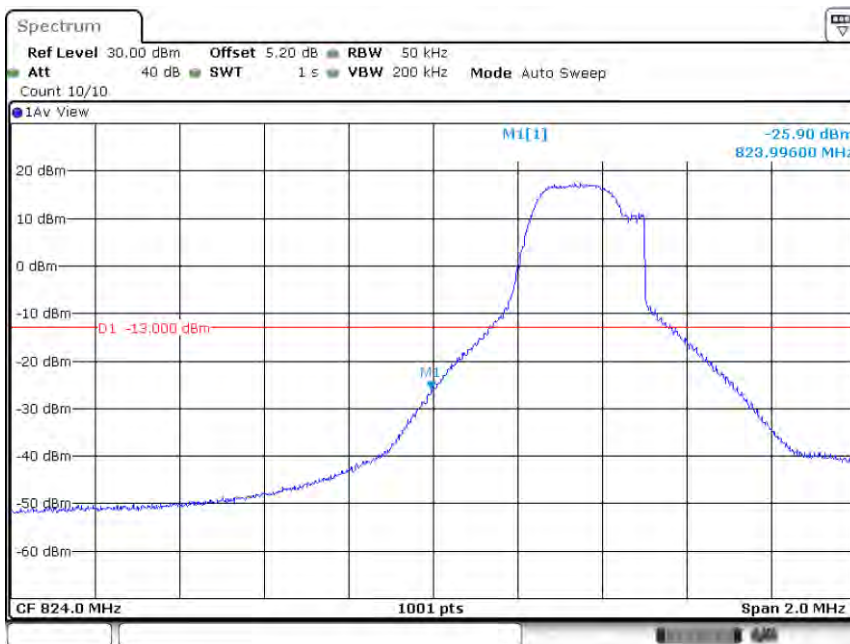
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**Band5-5MHz-16QAM-20625-25RB#0**



Date: 21.OCT.2020 23:29:51

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

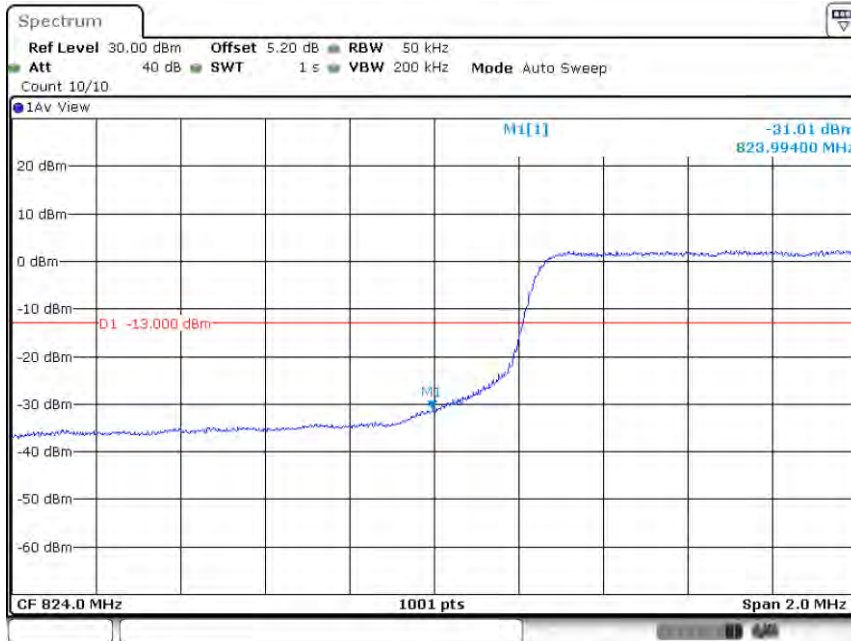


Date: 22.OCT.2020 10:54:32



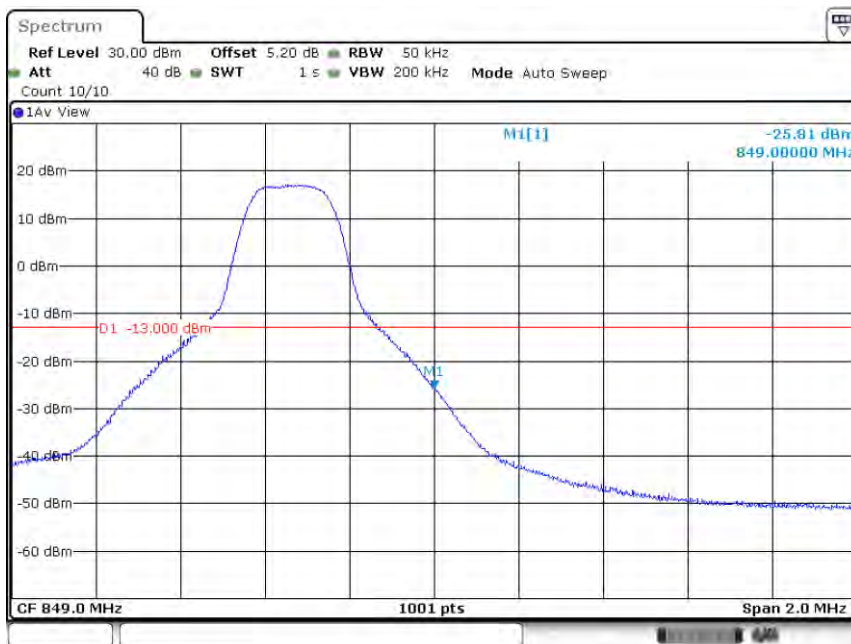
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**Band5-5MHz-64QAM-20425-25RB#0**



Date: 22.OCT.2020 10:54:55

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



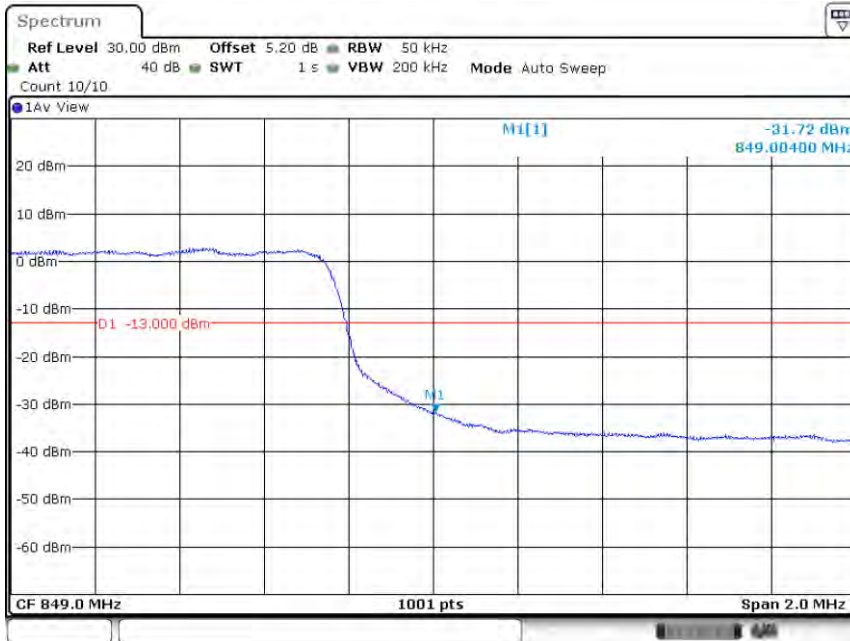
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**Band5-5MHz-64QAM-20625-25RB#0**



Date: 22.OCT.2020 10:55:51

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



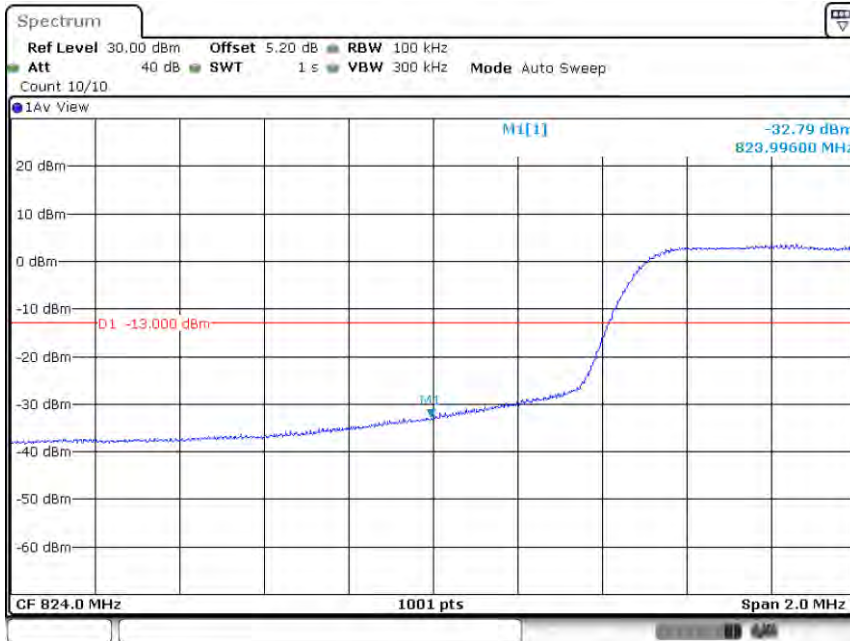
Date: 21.OCT.2020 23:30:24



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



Date: 21.OCT.2020 23:31:11

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

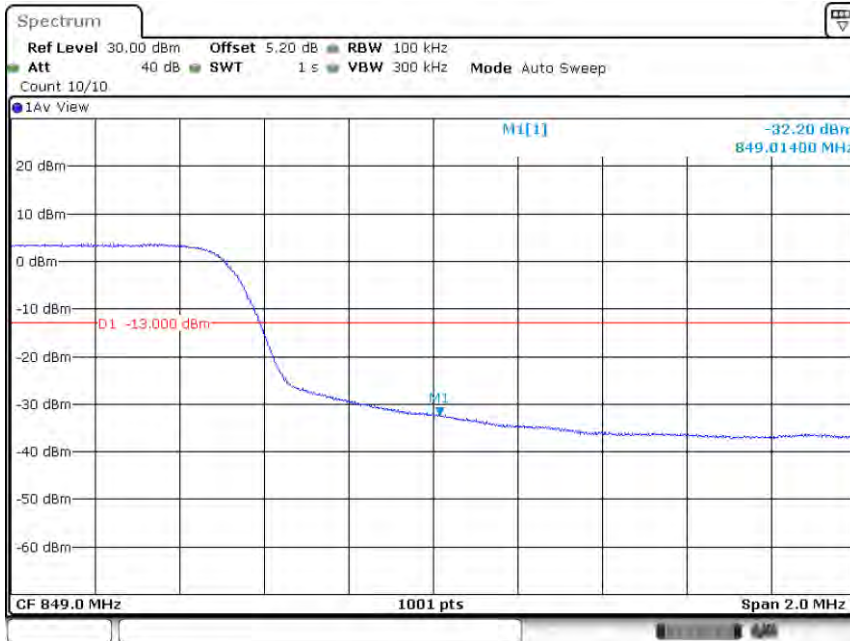


Date: 21.OCT.2020 23:32:06



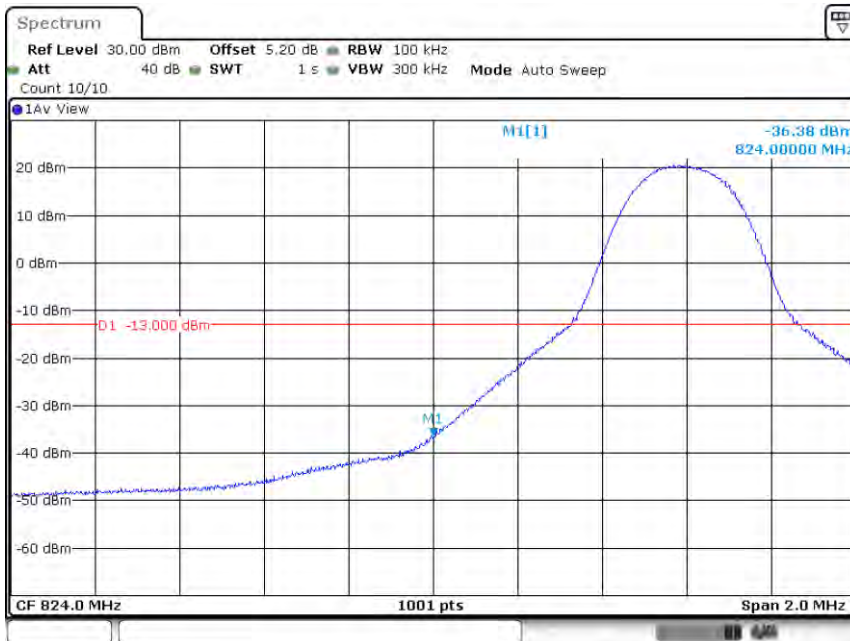
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**Band5-10MHz-QPSK-20600-50RB#0**



Date: 21.OCT.2020 23:32:54

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

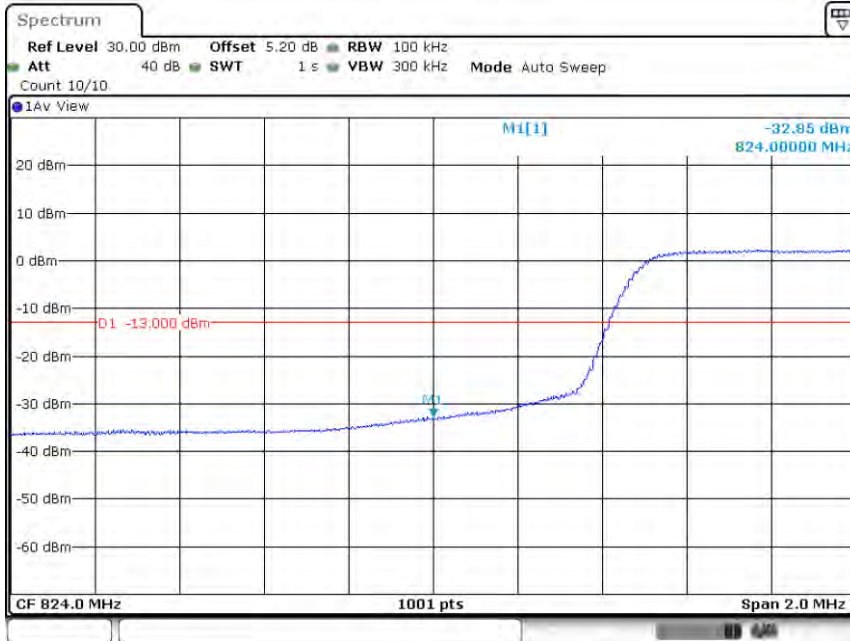


Date: 21.OCT.2020 23:30:48



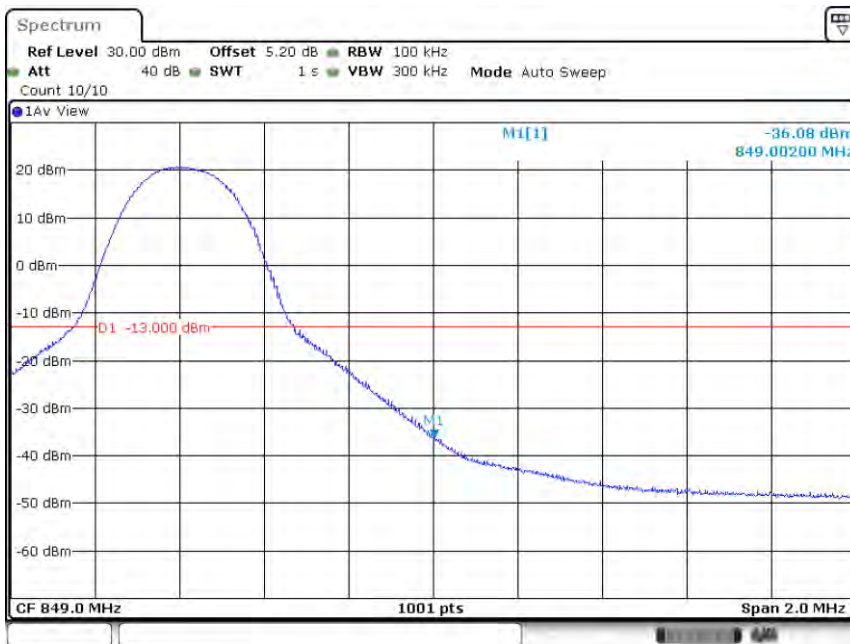
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**Band5-10MHz-16QAM-20450-50RB#0**



Date: 21.OCT.2020 23:31:35

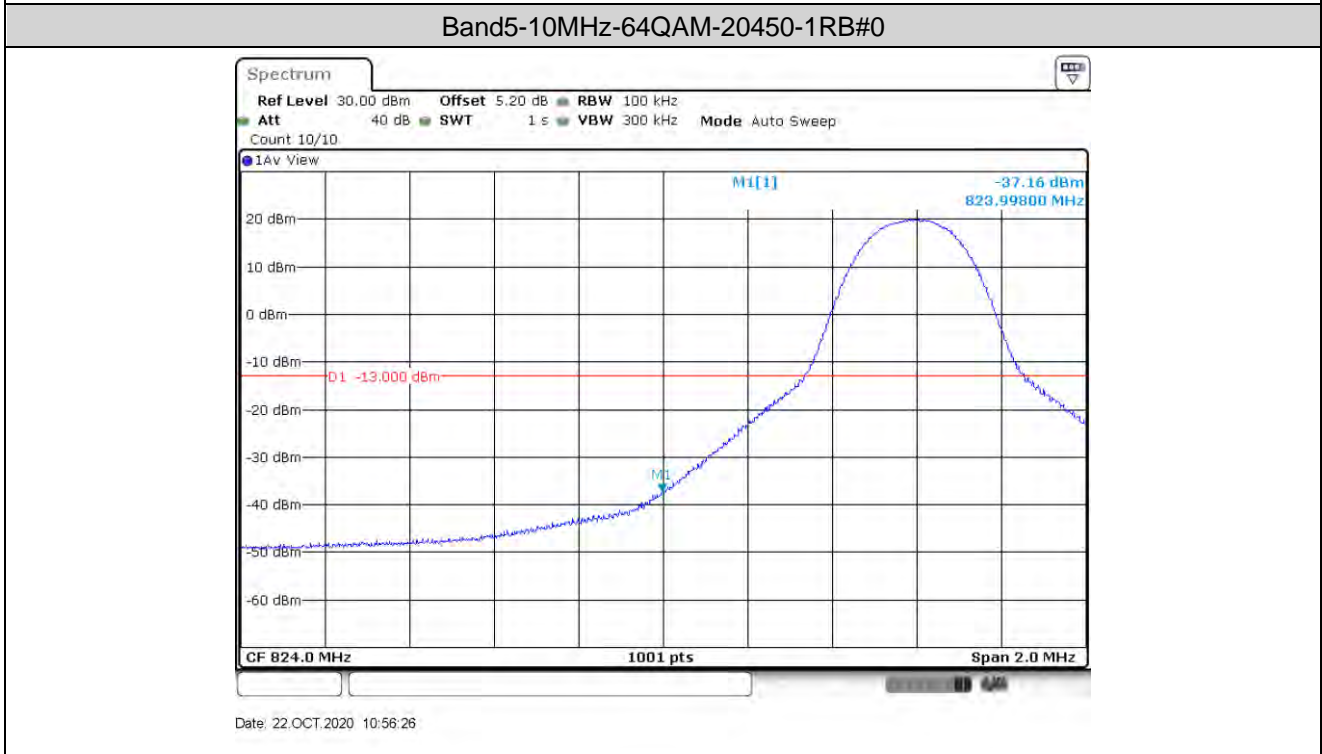
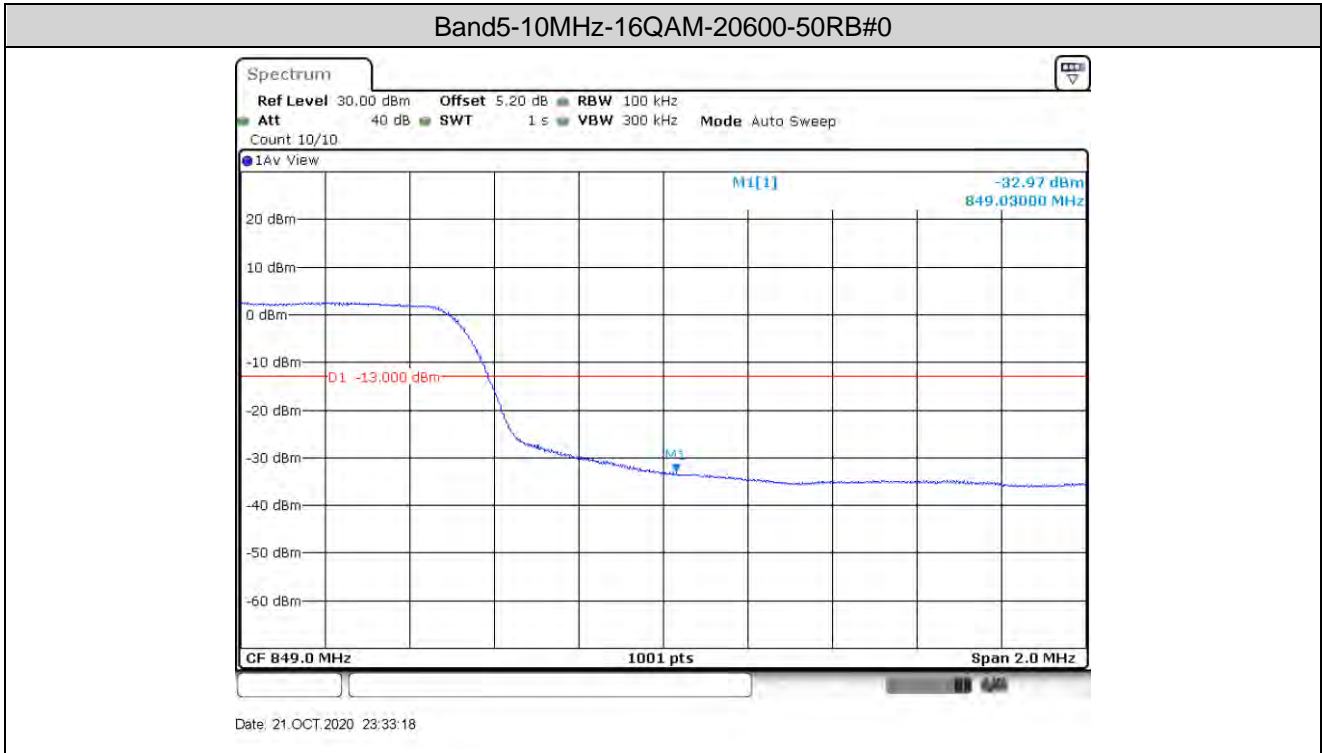
**Band5-10MHz-16QAM-20600-1RB#49**



Date: 21.OCT.2020 23:32:30



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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 22.OCT.2020 10:56:49

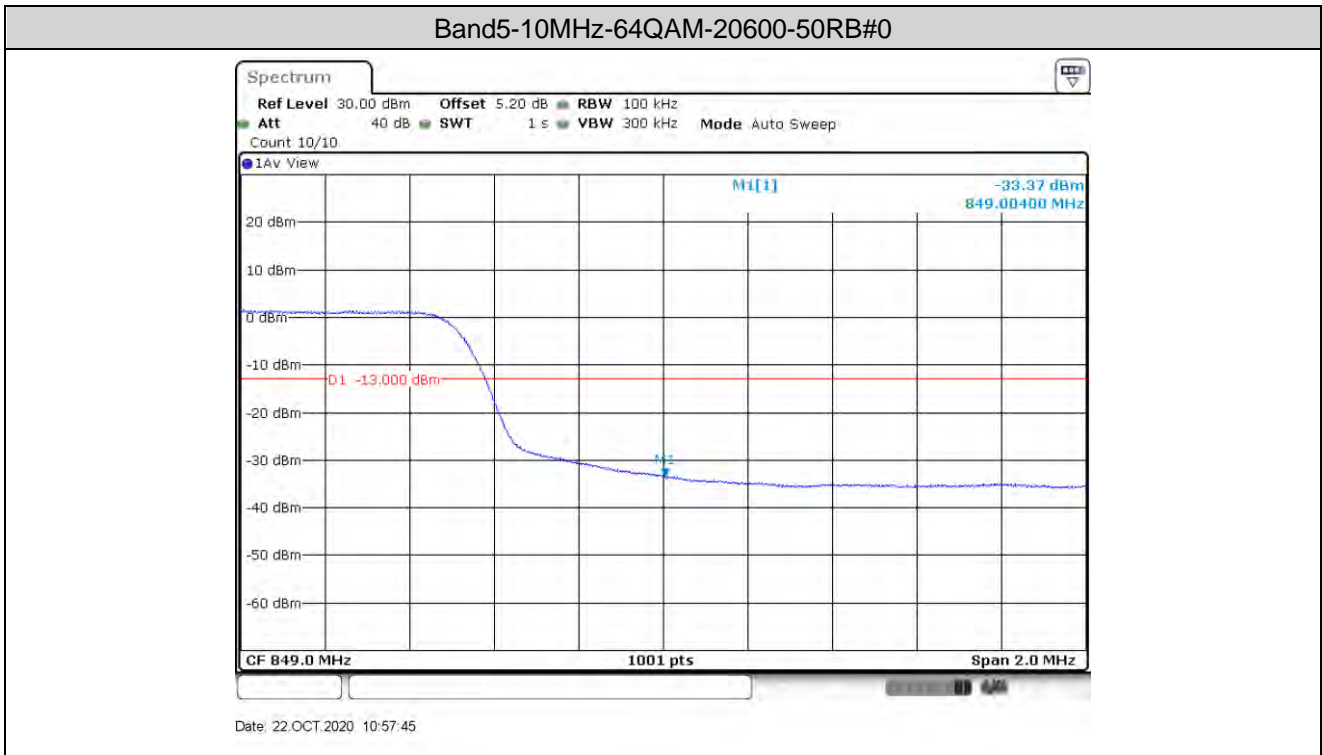
**Band5-10MHz-64QAM-20600-1RB#49**



Date: 22.OCT.2020 10:57:22



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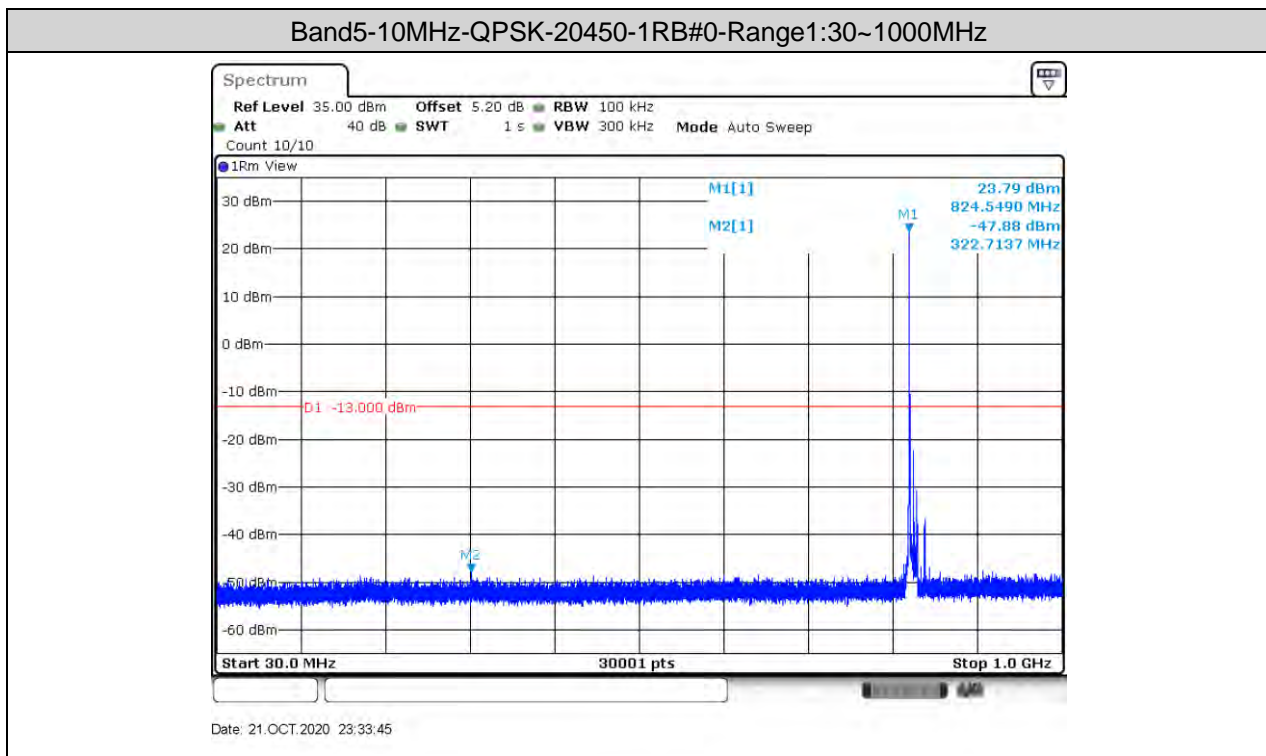
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## 6 Spurious Emission at Antenna Terminal

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 =  $k * (Span / RBW)$ " 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.

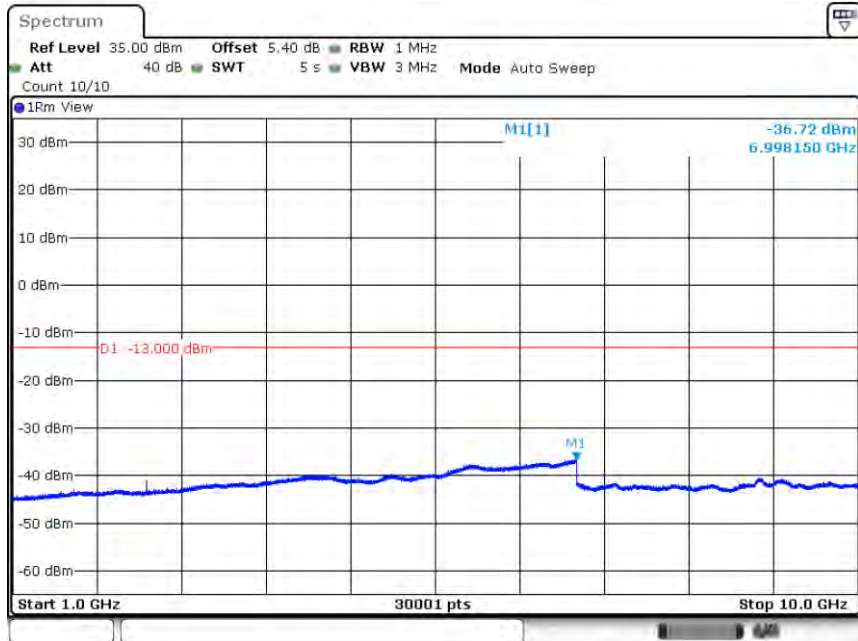
### 6.1 Test Plots



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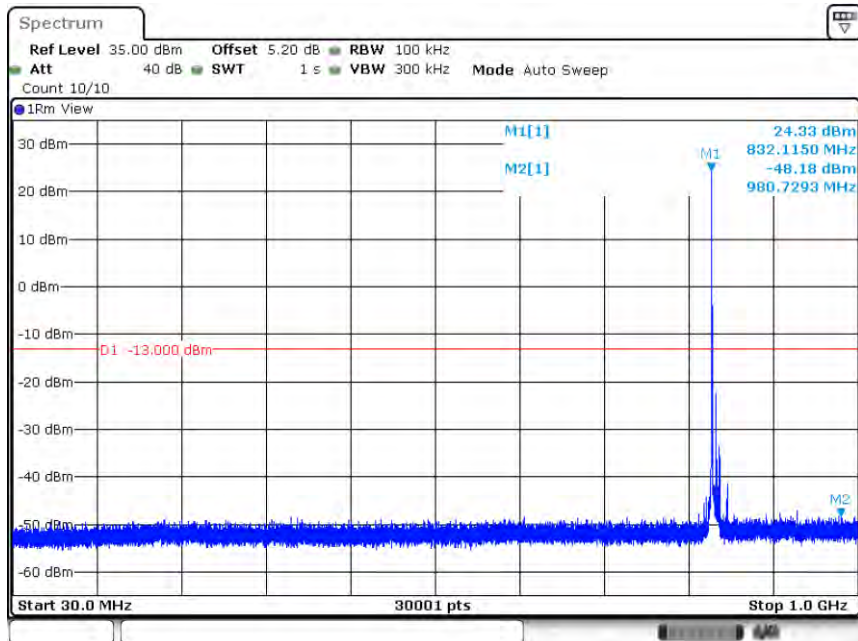


**Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~10000MHz**



Date: 21.OCT.2020 23:34:53

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

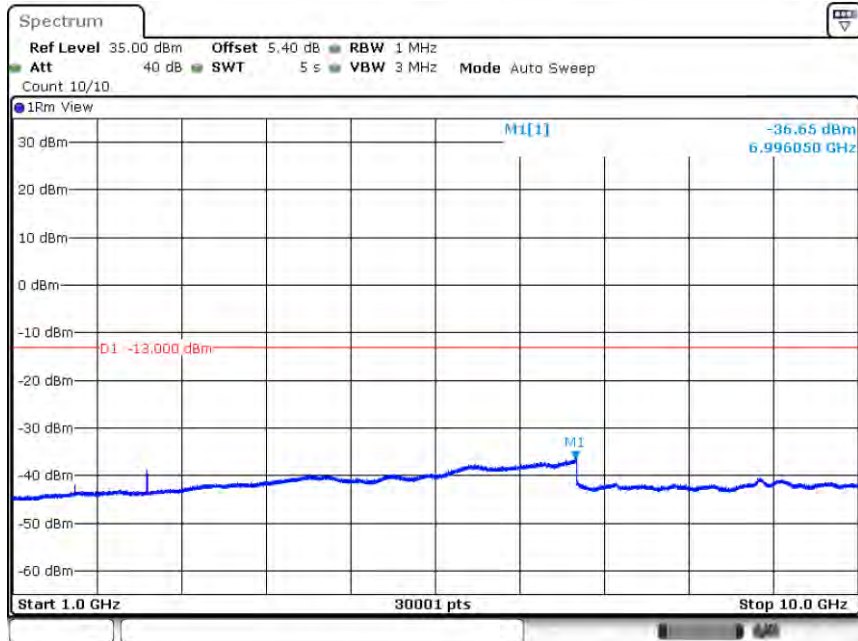


Date: 21.OCT.2020 23:36:47



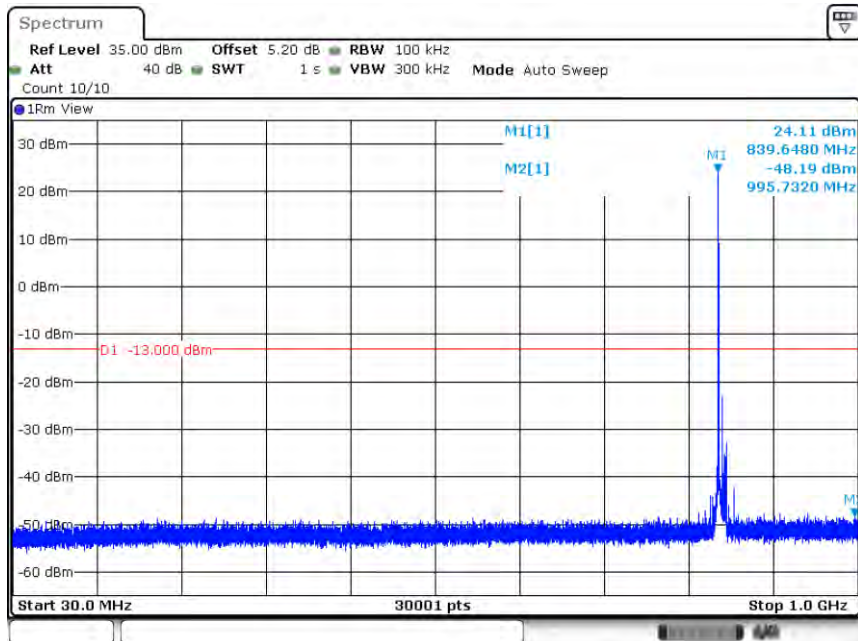
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**Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz**



Date: 21.OCT.2020 23:37:55

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

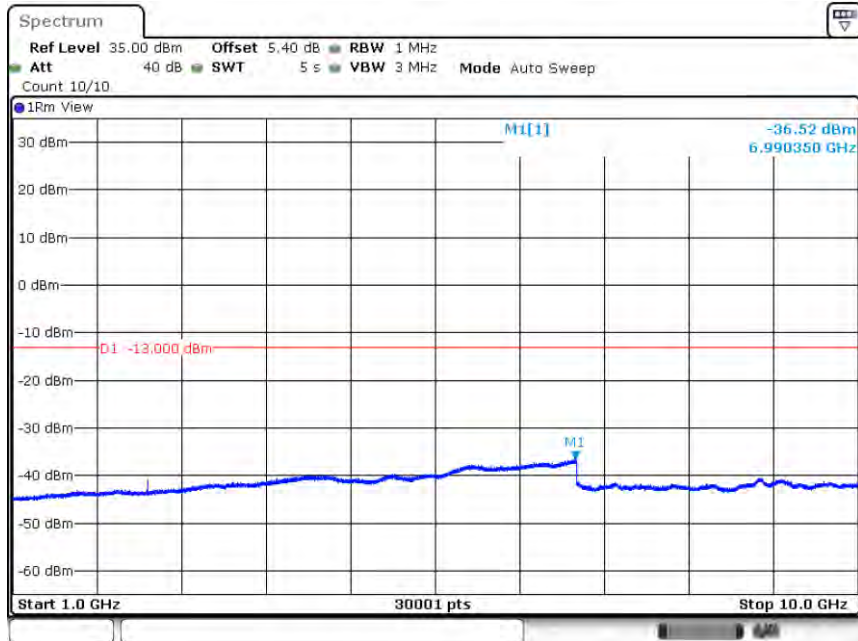


Date: 21.OCT.2020 23:39:49



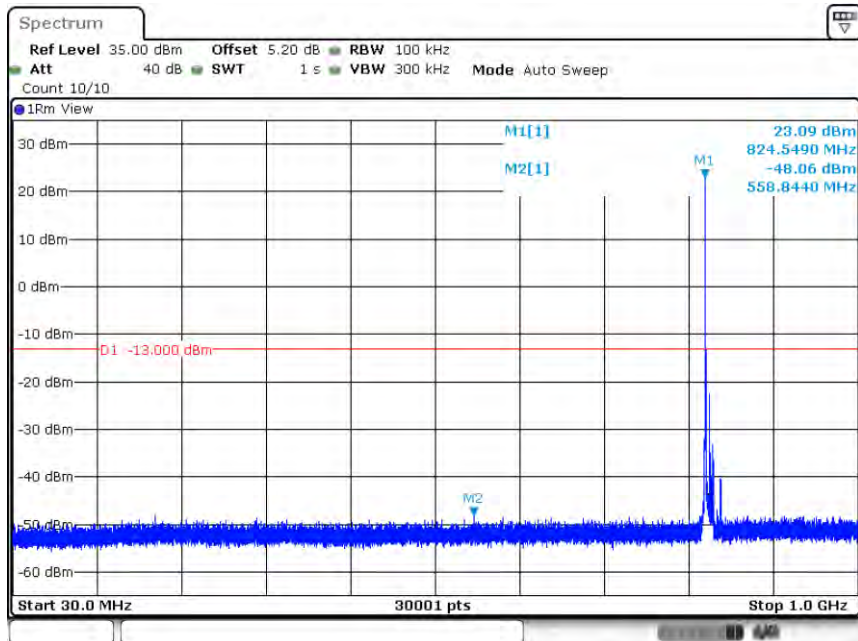
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**Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~10000MHz**



Date: 21.OCT.2020 23:40:57

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

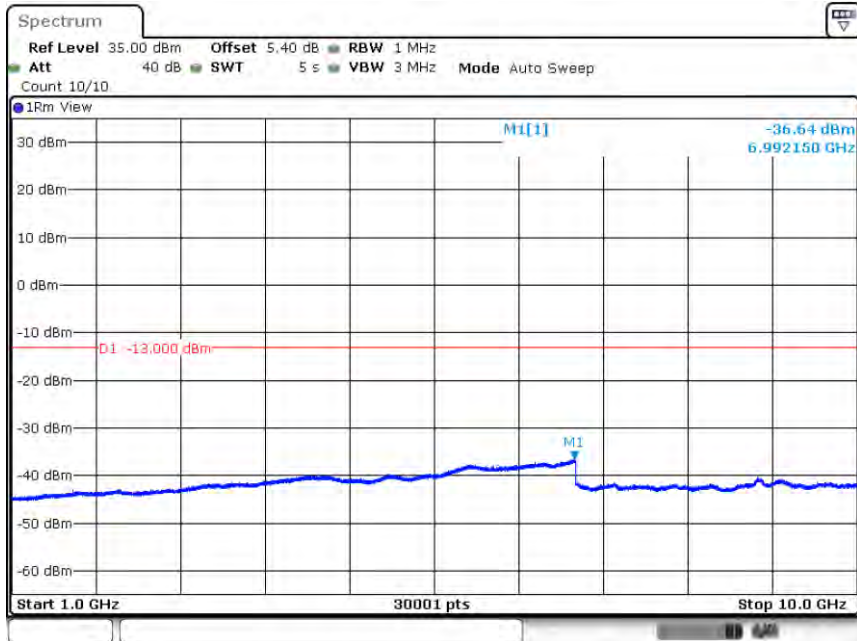


Date: 21.OCT.2020 23:35:16



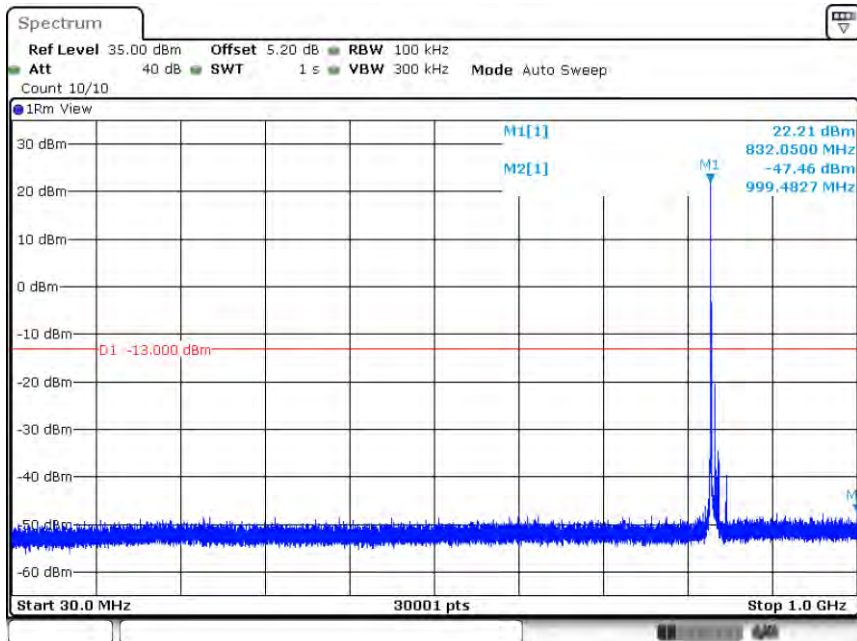
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**Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~10000MHz**



Date: 21.OCT.2020 23:36:24

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

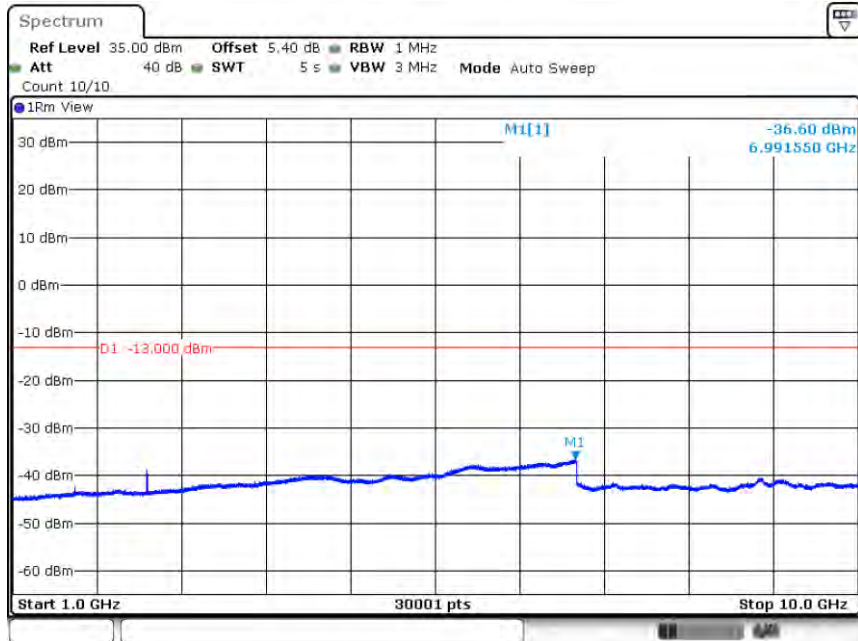


Date: 21.OCT.2020 23:38:18



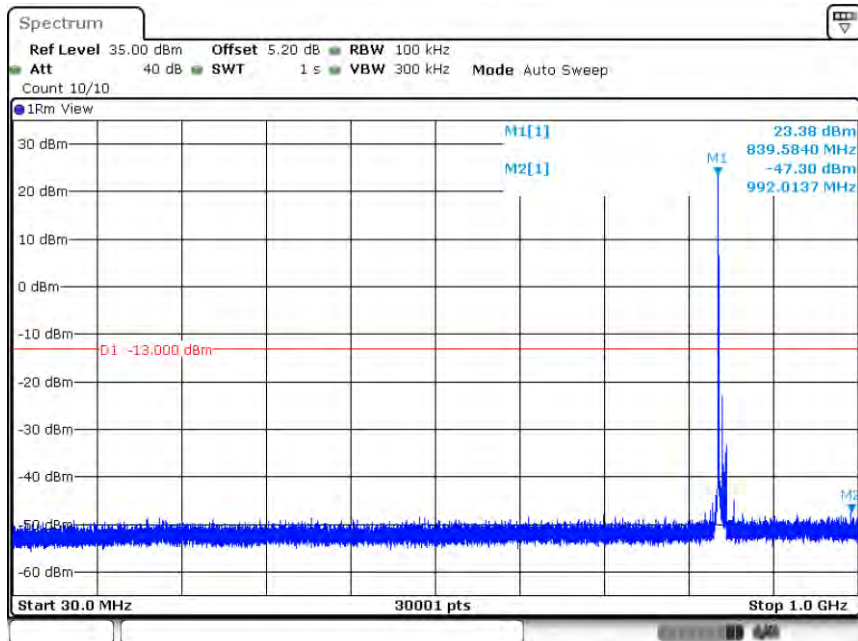
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**Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz**



Date: 21.OCT.2020 23:39:26

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

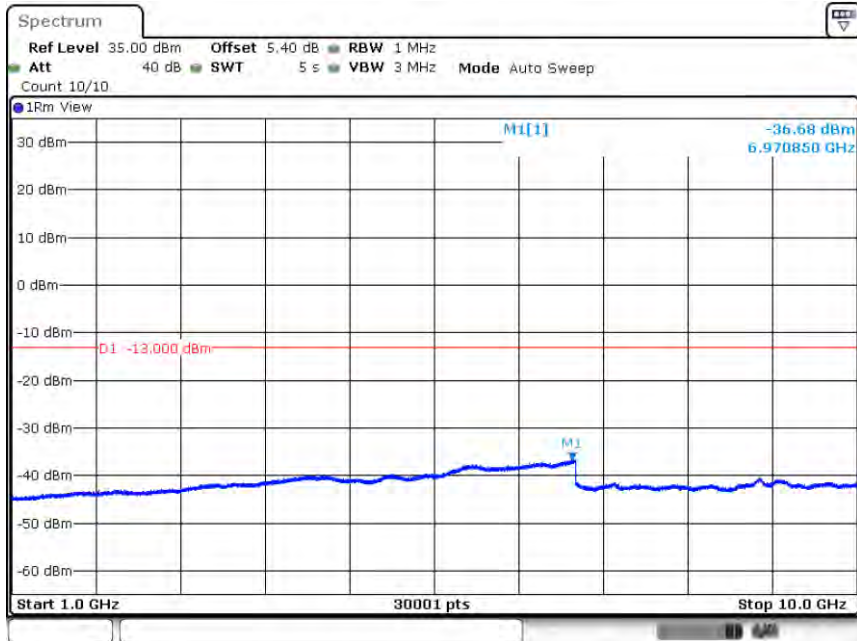


Date: 21.OCT.2020 23:41:20



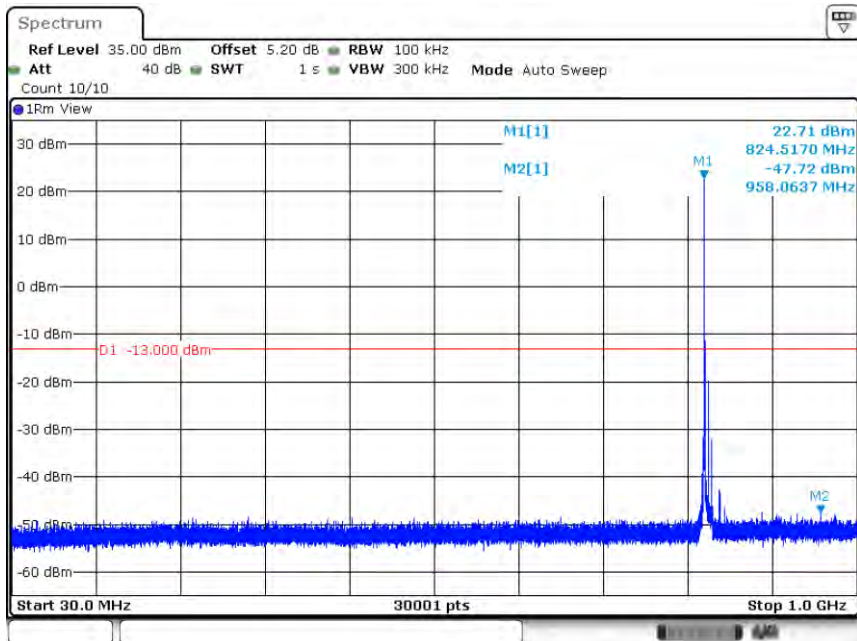
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**Band5-10MHz-16QAM-20600-1RB#0-Range2:1000~10000MHz**



Date: 21.OCT.2020 23:42:28

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

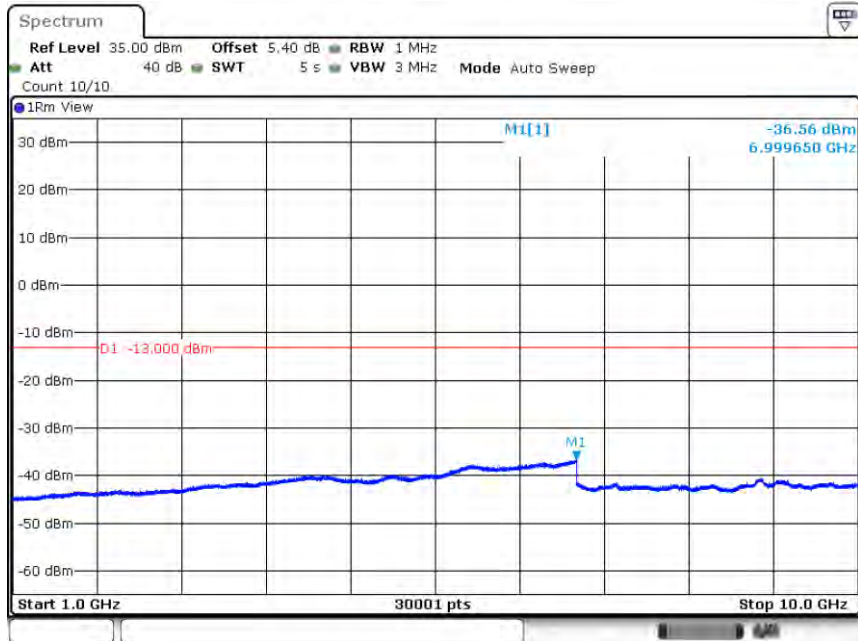


Date: 22.OCT.2020 10:58:15



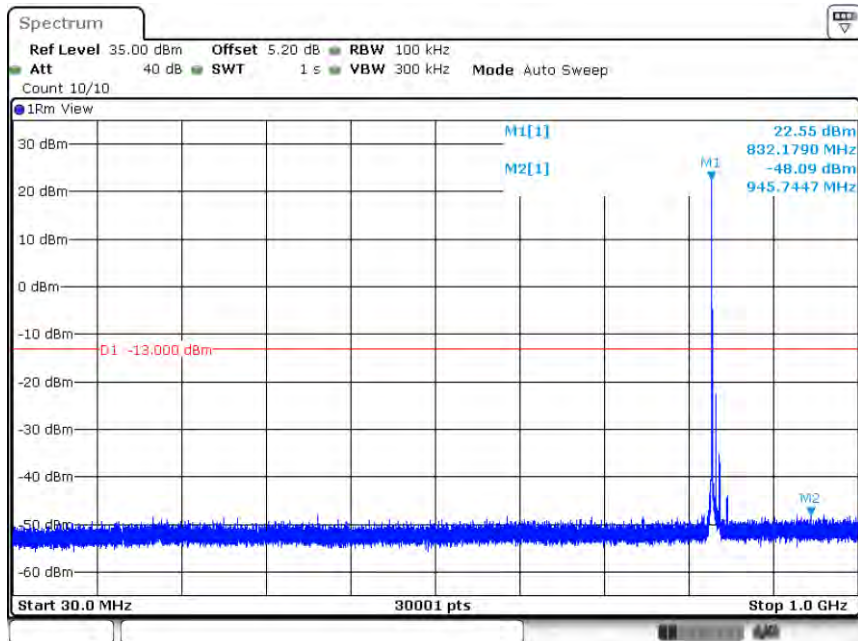
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**Band5-10MHz-64QAM-20450-1RB#0-Range2:1000~10000MHz**



Date: 22.OCT.2020 10:59:23

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

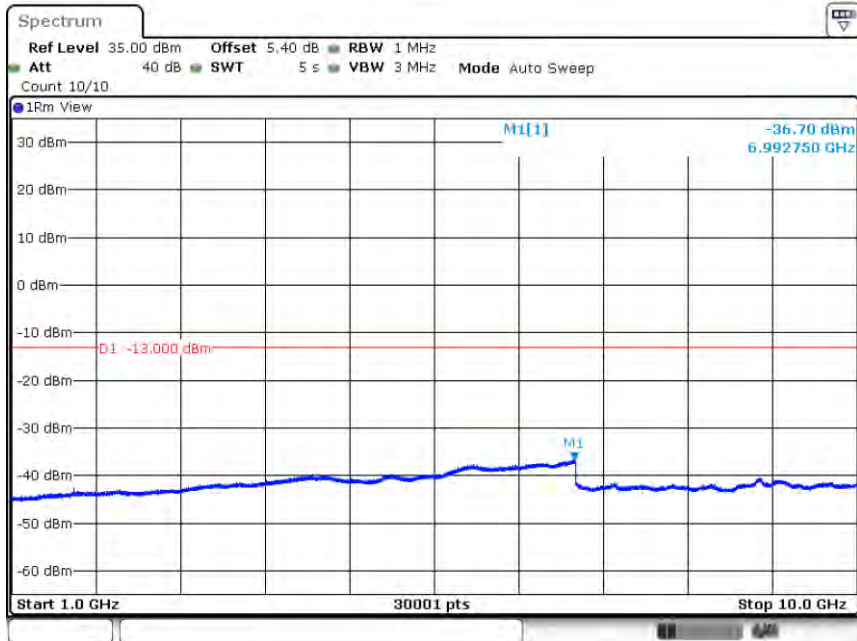


Date: 22.OCT.2020 10:59:46



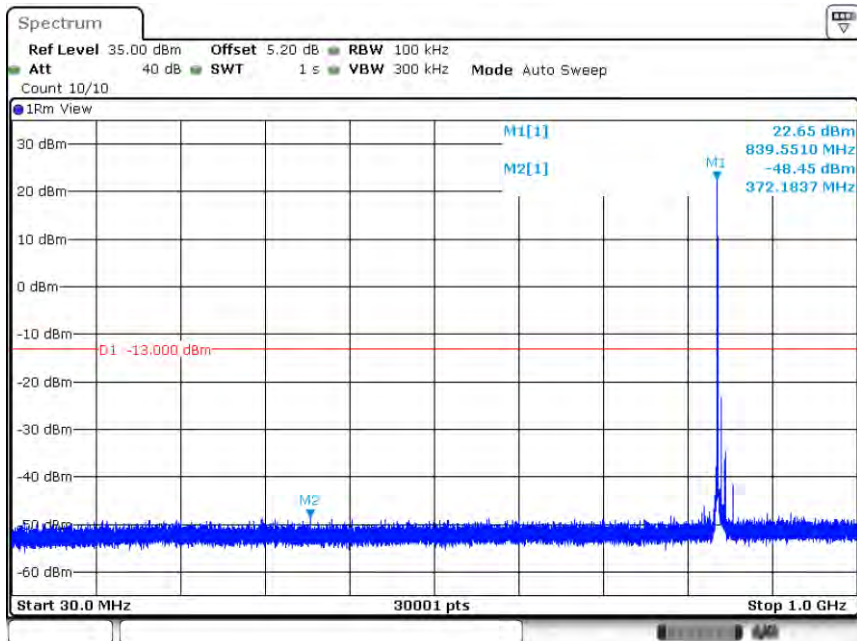
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**Band5-10MHz-64QAM-20525-1RB#0-Range2:1000~10000MHz**



Date: 22.OCT.2020 11:00:54

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

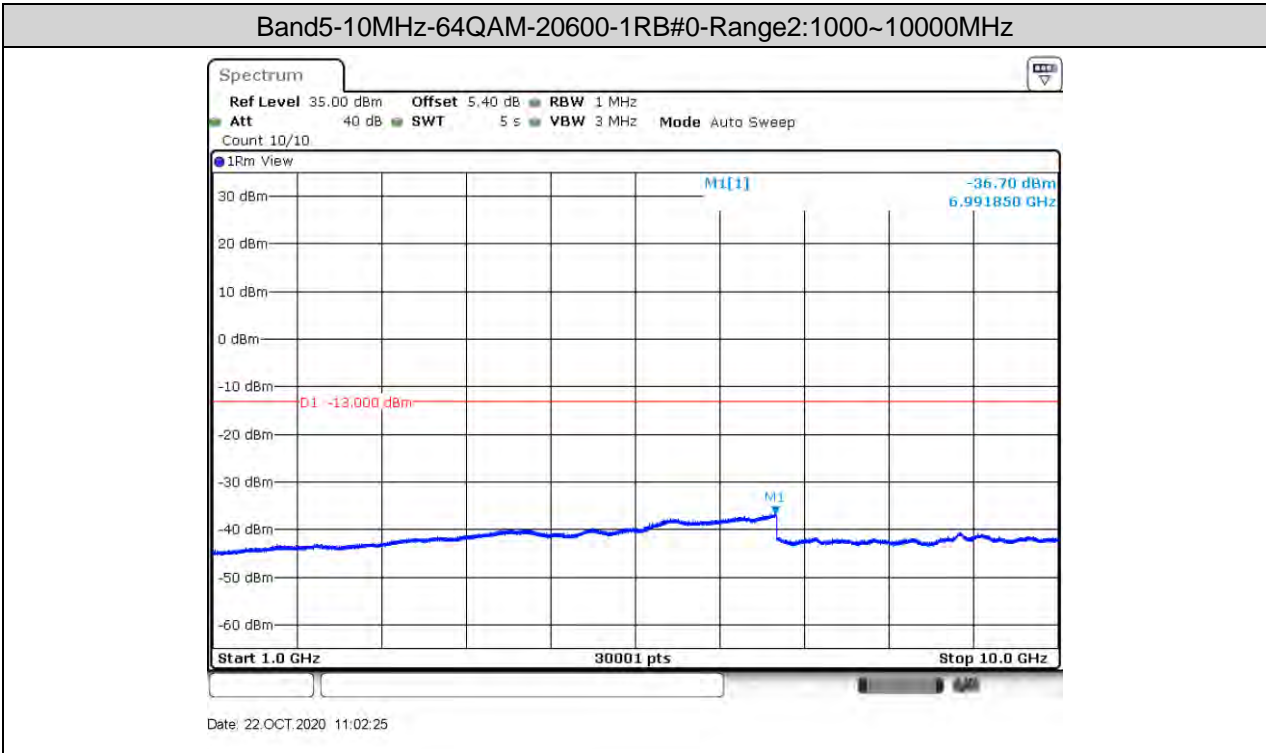


Date: 22.OCT.2020 11:01:17



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## 7 Field Strength of Spurious Radiation

### Firstly Supply:

#### 7.1 Test Band = LTE\_5\_TM1

##### 7.1.1 Test Channel = Low Channel

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	41.2041	-68.18	-61.36	-13.00	48.36	147	35	Horizontal
2	103.5782	-68.33	-73.04	-13.00	60.04	165	194	Horizontal
3	235.7473	-67.22	-64.41	-13.00	51.41	184	67	Horizontal
4	1648.9298	-56.57	-52.52	-13.00	39.52	175	181	Horizontal
5	2473.8948	-60.95	-50.12	-13.00	37.12	199	211	Horizontal
6	4123.0708	-44.46	-53.62	-13.00	40.62	158	258	Horizontal



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**7.2 Test Band = LTE\_5\_TM1**

**7.2.1 Test Channel = Low Channel**

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	32.3281	-63.60	-70.05	-13.00	57.05	247	352	Vertical
2	110.9505	-68.74	-62.41	-13.00	49.41	225	320	Vertical
3	370.8265	-67.48	-64.73	-13.00	51.73	265	162	Vertical
4	1649.3299	-63.49	-58.81	-13.00	45.81	248	120	Vertical
5	2473.0946	-62.09	-52.69	-13.00	39.69	271	3	Vertical
6	4123.3041	-48.83	-58.60	-13.00	45.60	259	257	Vertical



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**7.3 Test Band = LTE\_5\_TM1**

**7.3.1 Test Channel = Middle Channel**

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	43.2897	-68.83	-61.90	-13.00	48.90	184	258	Horizontal
2	105.3243	-67.70	-72.52	-13.00	59.52	175	258	Horizontal
3	243.1197	-67.69	-64.97	-13.00	51.97	162	163	Horizontal
4	1664.1328	-64.18	-60.28	-13.00	47.28	184	11	Horizontal
5	2496.2993	-61.56	-50.25	-13.00	37.25	174	119	Horizontal
6	4160.4053	-43.11	-52.21	-13.00	39.21	192	258	Horizontal



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**7.4 Test Band = LTE\_5\_TM1**

**7.4.1 Test Channel = Middle Channel**

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	30.5820	-62.22	-66.94	-13.00	53.94	241	130	Vertical
2	108.3799	-68.30	-62.27	-13.00	49.27	225	67	Vertical
3	350.3100	-68.12	-65.83	-13.00	52.83	271	67	Vertical
4	1664.1328	-68.00	-63.27	-13.00	50.27	259	138	Vertical
5	2496.2993	-65.37	-55.84	-13.00	42.84	248	243	Vertical
6	4160.1720	-47.37	-57.12	-13.00	44.12	326	257	Vertical



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**7.5 Test Band = LTE\_5\_TM1**  
**7.5.1 Test Channel = High Channel**

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	41.2526	-66.81	-59.98	-13.00	46.98	241	352	Horizontal
2	108.7679	-67.74	-72.78	-13.00	59.78	258	130	Horizontal
3	235.9413	-67.44	-64.63	-13.00	51.63	263	35	Horizontal
4	1678.9358	-58.23	-54.47	-13.00	41.47	274	184	Horizontal
5	2518.7037	-61.61	-50.46	-13.00	37.46	258	144	Horizontal
6	4198.2066	-48.68	-57.71	-13.00	44.71	269	257	Horizontal



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**7.6 Test Band = LTE\_5\_TM1**

**7.6.1 Test Channel = High Channel**

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	30.5335	-65.43	-70.11	-13.00	57.11	247	162	Vertical
2	118.1289	-67.61	-61.92	-13.00	48.92	258	4	Vertical
3	288.5179	-67.64	-66.38	-13.00	53.38	241	320	Vertical
4	1679.3359	-63.97	-59.19	-13.00	46.19	258	117	Vertical
5	2519.1038	-65.33	-55.73	-13.00	42.73	265	248	Vertical
6	4197.9733	-51.93	-61.66	-13.00	48.66	236	288	Vertical

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

### Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band5	10MHz	QPSK	20450	50RB#0	VL	NT	-1.10	-0.001327	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	-1.20	-0.001448	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	-1.30	-0.001568	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	0.20	0.000239	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-0.10	-0.000120	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-1.10	-0.001315	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	0.20	0.000237	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	-0.20	-0.000237	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	-0.20	-0.000237	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	-0.50	-0.000603	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	-0.10	-0.000121	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	-0.90	-0.001086	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	-1.30	-0.001554	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	-0.10	-0.000120	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	0.60	0.000717	±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	-0.20	-0.000237	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	0.50	0.000592	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VL	NT	-1.00	-0.001206	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VN	NT	0.50	0.000603	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VH	NT	-1.30	-0.001568	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VL	NT	-2.10	-0.002510	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VN	NT	-0.40	-0.000478	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VH	NT	-23.80	-0.028452	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VL	NT	-76.70	-0.090877	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VN	NT	-191.50	-0.226896	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VH	NT	-0.60	-0.000711	±2.5	PASS



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### Frequency Vs Temperature

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	-1.20	-0.001448	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	-0.80	-0.000965	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	-0.50	-0.000603	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	-1.20	-0.001448	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	0.40	0.000483	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	-1.00	-0.001206	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	-0.40	-0.000483	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	-1.00	-0.001206	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-1.30	-0.001554	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-0.20	-0.000239	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	0.00	0.000000	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	0.60	0.000717	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-1.20	-0.001435	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-0.90	-0.001076	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-0.90	-0.001076	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-0.70	-0.000837	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	0.70	0.000837	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-0.70	-0.000829	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	-2.10	-0.002488	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	-0.90	-0.001066	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	-0.40	-0.000474	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	0.20	0.000237	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	0.30	0.000355	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	-0.40	-0.000474	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	-1.50	-0.001777	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	-0.20	-0.000237	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	-0.30	-0.000362	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	-1.80	-0.002171	±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	-1.80	-0.002171	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	0.70	0.000844	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	-1.30	-0.001568	±2.5	PASS



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Band5	10MHz	16QAM	20450	50RB#0	NV	40	-2.30	-0.002774	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	50	0.10	0.000121	±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	-20	-0.50	-0.000598	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-10	-1.50	-0.001793	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	-1.40	-0.001674	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	-0.40	-0.000478	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	-0.90	-0.001076	±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	-1.30	-0.001554	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	50	-1.10	-0.001315	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	-1.30	-0.001540	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-10	-2.30	-0.002725	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	-2.40	-0.002844	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	-1.70	-0.002014	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	-0.50	-0.000592	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	30	0.20	0.000237	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	40	-0.30	-0.000355	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	50	-0.70	-0.000829	±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	-0.30	-0.000362	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-10	-0.90	-0.001086	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	0	0.40	0.000483	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	10	-1.30	-0.001568	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	20	-3.10	-0.003739	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	30	-1.40	-0.001689	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	40	1.50	0.001809	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	50	0.30	0.000362	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-30	-0.80	-0.000956	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-20	-0.40	-0.000478	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-10	-0.70	-0.000837	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	0	-1.10	-0.001315	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	10	-34.30	-0.041004	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	20	-0.80	-0.000956	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	30	-0.90	-0.001076	±2.5	PASS



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Band5	10MHz	64QAM	20525	50RB#0	NV	40	-1.10	-0.001315	±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	-1.70	-0.002014	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-20	0.50	0.000592	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-10	0.50	0.000592	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	0	-0.80	-0.000948	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	10	-0.40	-0.000474	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	20	-1.40	-0.001659	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	30	-0.90	-0.001066	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	40	0.60	0.000711	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	50	-1.50	-0.001777	±2.5	PASS

The End



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