



# 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#2	23.67	13.56	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.99	13.88	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	23.71	13.6	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.83	13.72	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	24.02	13.91	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.86	13.75	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.82	12.71	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.78	13.67	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.93	13.82	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.74	13.63	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.92	13.81	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.83	13.72	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.82	13.71	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.96	12.85	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.7	13.59	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.78	13.67	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.73	13.62	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.71	13.6	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.83	13.72	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.83	13.72	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.91	12.8	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.56	11.45	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.49	11.38	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	21.36	11.25	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#3	21.46	11.35	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#0	21.35	11.24	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#1	21.64	11.53	38.45	PASS



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Band5	1.4MHz	64QAM	20407	6RB#0	20.59	10.48	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	21.55	11.44	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	21.55	11.44	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	21.37	11.26	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#0	21.41	11.3	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#1	21.42	11.31	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#3	21.52	11.41	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.65	10.54	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.52	11.41	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.43	11.32	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.5	11.39	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#3	21.39	11.28	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#1	21.31	11.2	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#0	21.36	11.25	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.47	10.36	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.86	12.75	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.9	12.79	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.66	12.55	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.67	12.56	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.63	12.52	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.78	12.67	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.04	11.93	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.82	12.71	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.09	12.98	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.2	13.09	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.87	12.76	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.75	12.64	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.89	12.78	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.03	11.92	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.53	12.42	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.75	12.64	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.83	12.72	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.67	12.56	38.45	PASS



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Band5	1.4MHz	16QAM	20643	3RB#1	22.89	12.78	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.72	12.61	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.11	12	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.67	13.56	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.95	13.84	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.81	13.7	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.84	12.73	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.87	12.76	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.71	12.6	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.84	12.73	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.71	13.6	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.98	13.87	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.78	13.67	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.81	12.7	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.87	12.76	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.76	12.65	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.9	12.79	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.71	13.6	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.91	13.8	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.81	13.7	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.79	12.68	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.91	12.8	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.85	12.74	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.84	12.73	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.68	11.57	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.63	11.52	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.47	11.36	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#7	20.53	10.42	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#0	20.58	10.47	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#4	20.64	10.53	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.4	10.29	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	21.65	11.54	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.66	11.55	38.45	PASS



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Band5	3MHz	64QAM	20525	1RB#0	21.49	11.38	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#0	20.64	10.53	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#4	20.61	10.5	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#7	20.6	10.49	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.39	10.28	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.66	11.55	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	21.58	11.47	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.62	11.51	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#4	20.55	10.44	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#7	20.68	10.57	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#0	20.56	10.45	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.59	10.48	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.87	12.76	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.7	12.59	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.14	13.03	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.05	11.94	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.84	11.73	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.89	11.78	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.81	11.7	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.64	12.53	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.95	12.84	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.95	12.84	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.16	12.05	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.92	11.81	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.87	11.76	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.81	11.7	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.58	12.47	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.8	12.69	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.11	13	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.05	11.94	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.96	11.85	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.89	11.78	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.85	11.74	38.45	PASS



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Band5	5MHz	QPSK	20425	1RB#0	23.73	13.62	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.8	13.69	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.74	13.63	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.81	12.7	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.92	12.81	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.79	12.68	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.86	12.75	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.72	13.61	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.91	13.8	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.68	13.57	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.9	12.79	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.82	12.71	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.76	12.65	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.82	12.71	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.65	13.54	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.83	13.72	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.74	13.63	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.86	12.75	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.89	12.78	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.88	12.77	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.82	12.71	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	21.8	11.69	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.75	11.64	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.58	11.47	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#13	20.64	10.53	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#6	20.72	10.61	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#0	20.74	10.63	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.53	10.42	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.77	11.66	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.78	11.67	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.59	11.48	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#13	20.75	10.64	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#6	20.72	10.61	38.45	PASS



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Band5	5MHz	64QAM	20525	12RB#0	20.72	10.61	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.53	10.42	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	21.81	11.7	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	21.71	11.6	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.76	11.65	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#13	20.65	10.54	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#6	20.78	10.67	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#0	20.67	10.56	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.71	10.6	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.73	12.62	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.15	13.04	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.81	12.7	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.02	11.91	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.81	11.7	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.85	11.74	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.76	11.65	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.88	12.77	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.29	13.18	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.75	12.64	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.04	11.93	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.85	11.74	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.74	11.63	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.91	11.8	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.53	12.42	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.65	12.54	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.96	12.85	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.11	12	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.86	11.75	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.77	11.66	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.78	11.67	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.79	13.68	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.96	13.85	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.77	13.66	38.45	PASS



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Band5	10MHz	QPSK	20450	25RB#12	22.84	12.73	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.97	12.86	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.87	12.76	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.96	12.85	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.82	13.71	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.95	13.84	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.66	13.55	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	23.07	12.96	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	23	12.89	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.93	12.82	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.02	12.91	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.72	13.61	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.74	13.63	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.79	13.68	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.95	12.84	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.84	12.73	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	23.03	12.92	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.89	12.78	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.9	11.79	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.89	11.78	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.71	11.6	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#0	20.79	10.68	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#25	20.83	10.72	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#12	20.85	10.74	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.66	10.55	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	21.89	11.78	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.9	11.79	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.71	11.6	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#0	20.9	10.79	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#12	20.87	10.76	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#25	20.82	10.71	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.63	10.52	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.92	11.81	38.45	PASS



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Band5	10MHz	64QAM	20600	1RB#0	21.86	11.75	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.86	11.75	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#0	20.75	10.64	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#25	20.88	10.77	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#12	20.79	10.68	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.82	10.71	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.87	12.76	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.06	12.95	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.13	13.02	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.02	11.91	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	22	11.89	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.85	11.74	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.82	11.71	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.96	12.85	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.42	13.31	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.23	13.12	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.01	11.9	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	22	11.89	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.85	11.74	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.95	11.84	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.99	12.88	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.19	13.08	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.97	12.86	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.04	11.93	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.96	11.85	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.98	11.87	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.8	11.69	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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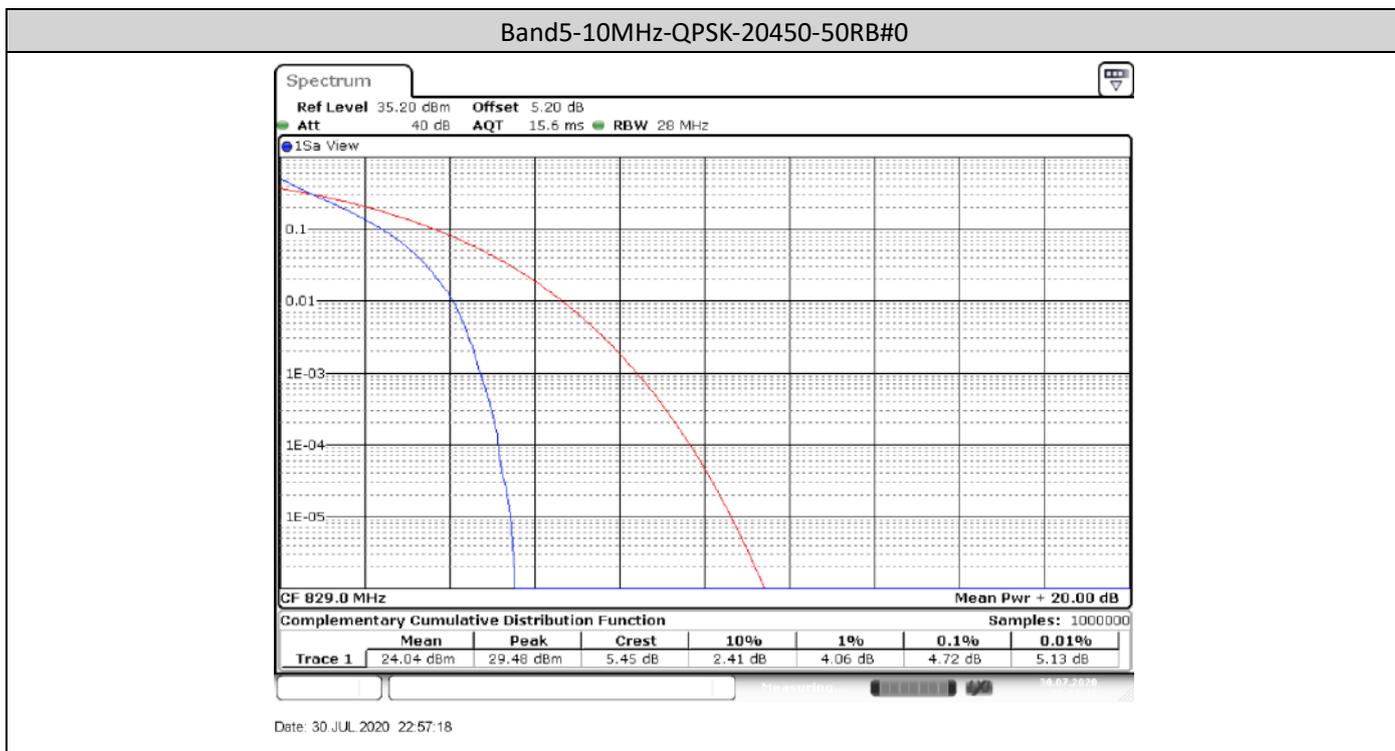


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	4.72	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.78	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.67	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	5.91	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	5.91	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	5.80	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.57	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.51	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.45	13	PASS

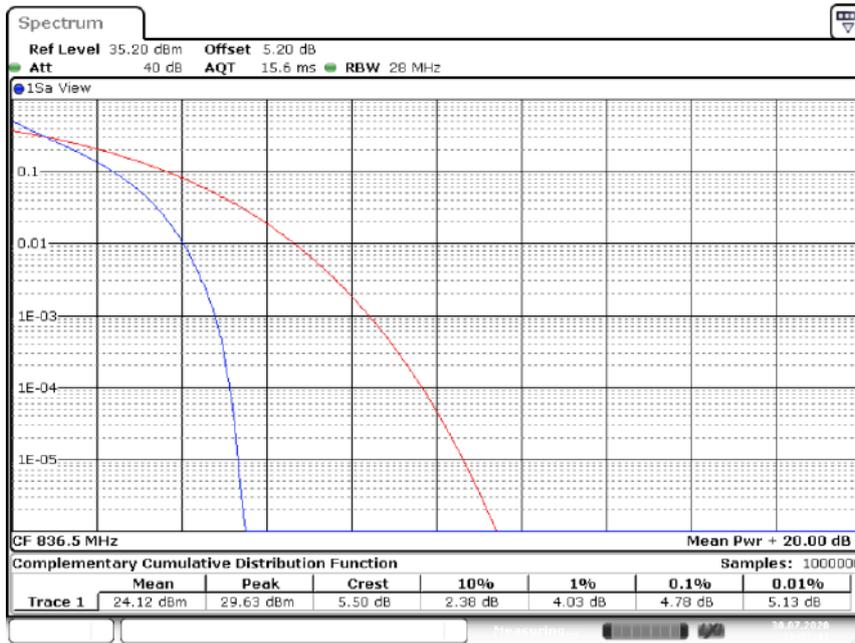
### 2.2. Test Plots



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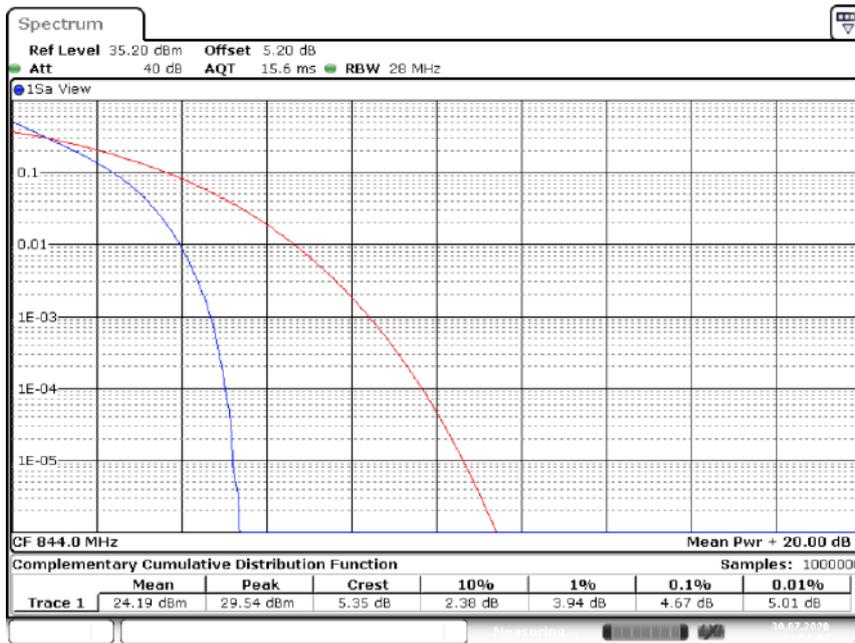
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**Band5-10MHz-QPSK-20525-50RB#0**



Date: 30 JUL 2020 22:57:41

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



Date: 30 JUL 2020 22:58:04



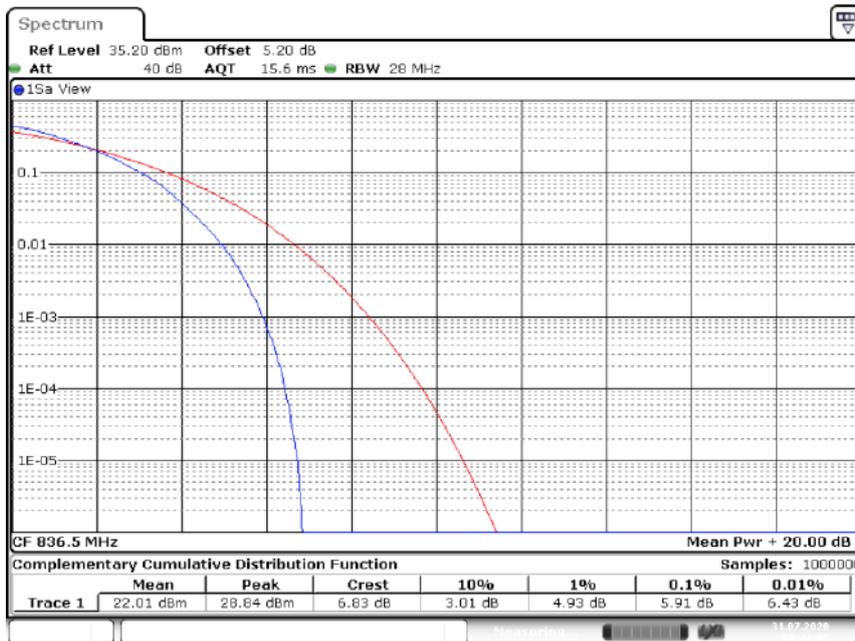
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**Band5-10MHz-64QAM-20450-50RB#0**



Date: 31 JUL 2020 08:40:54

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

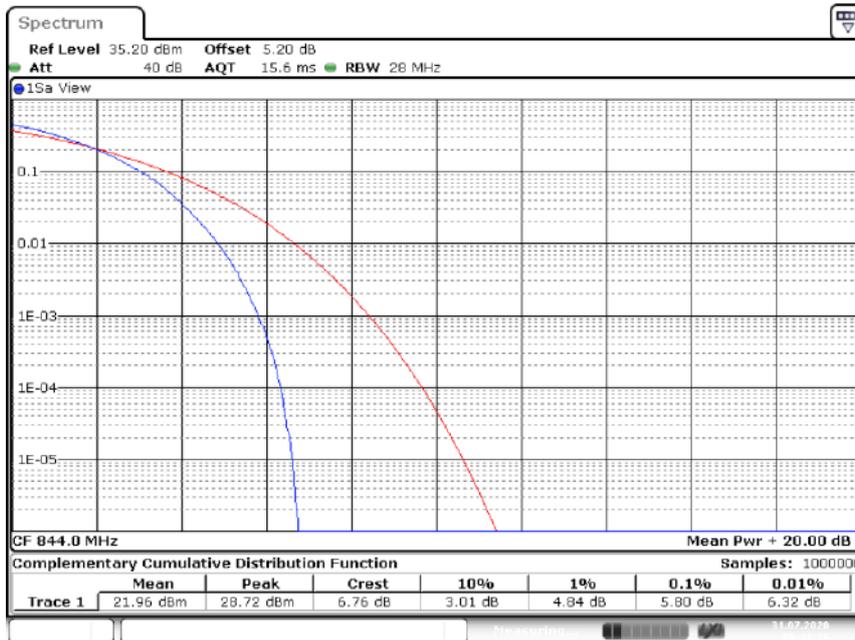


Date: 31 JUL 2020 08:41:05



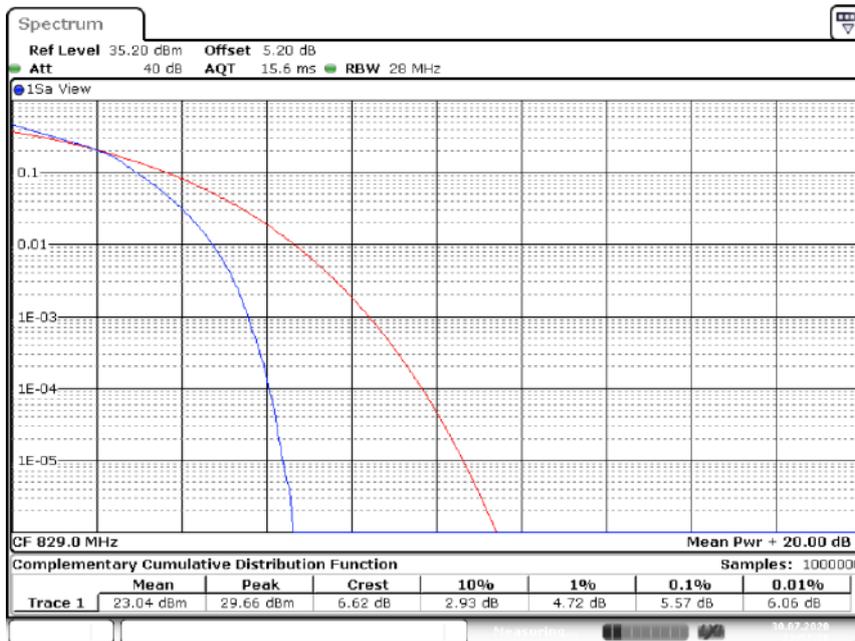
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**Band5-10MHz-64QAM-20600-50RB#0**



Date: 31 JUL 2020 08:41:17

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

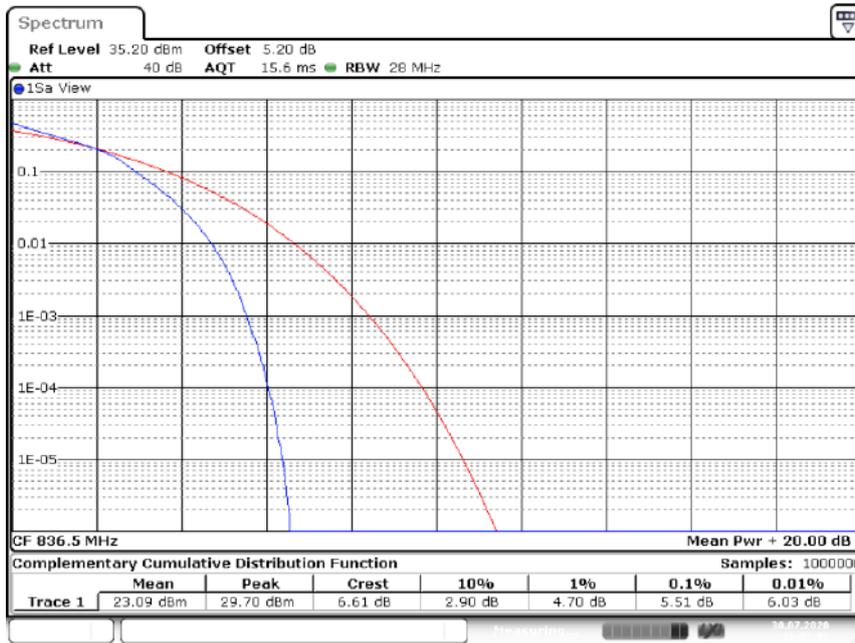


Date: 30 JUL 2020 22:57:29



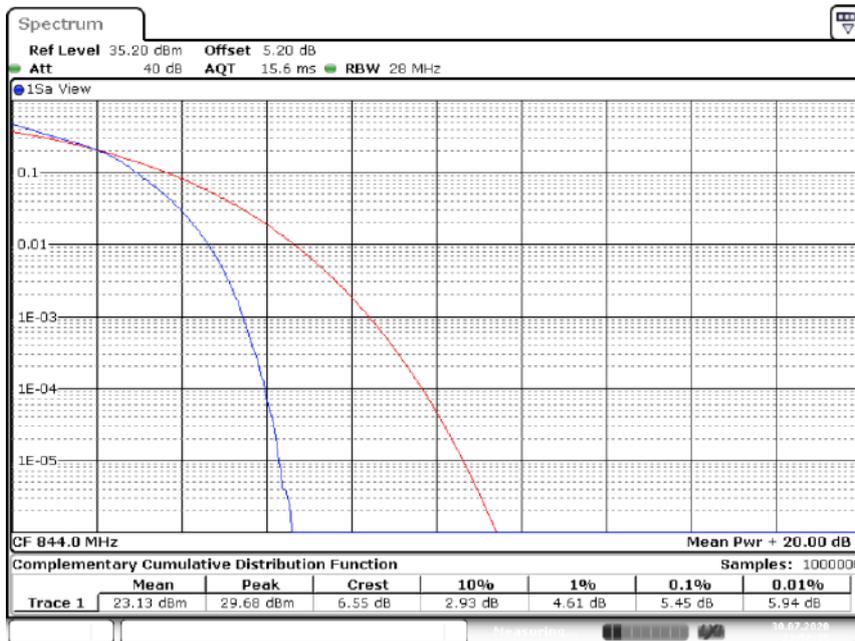
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**Band5-10MHz-16QAM-20525-50RB#0**



Date: 30 JUL 2020 22:57:52

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



Date: 30 JUL 2020 22:58:15

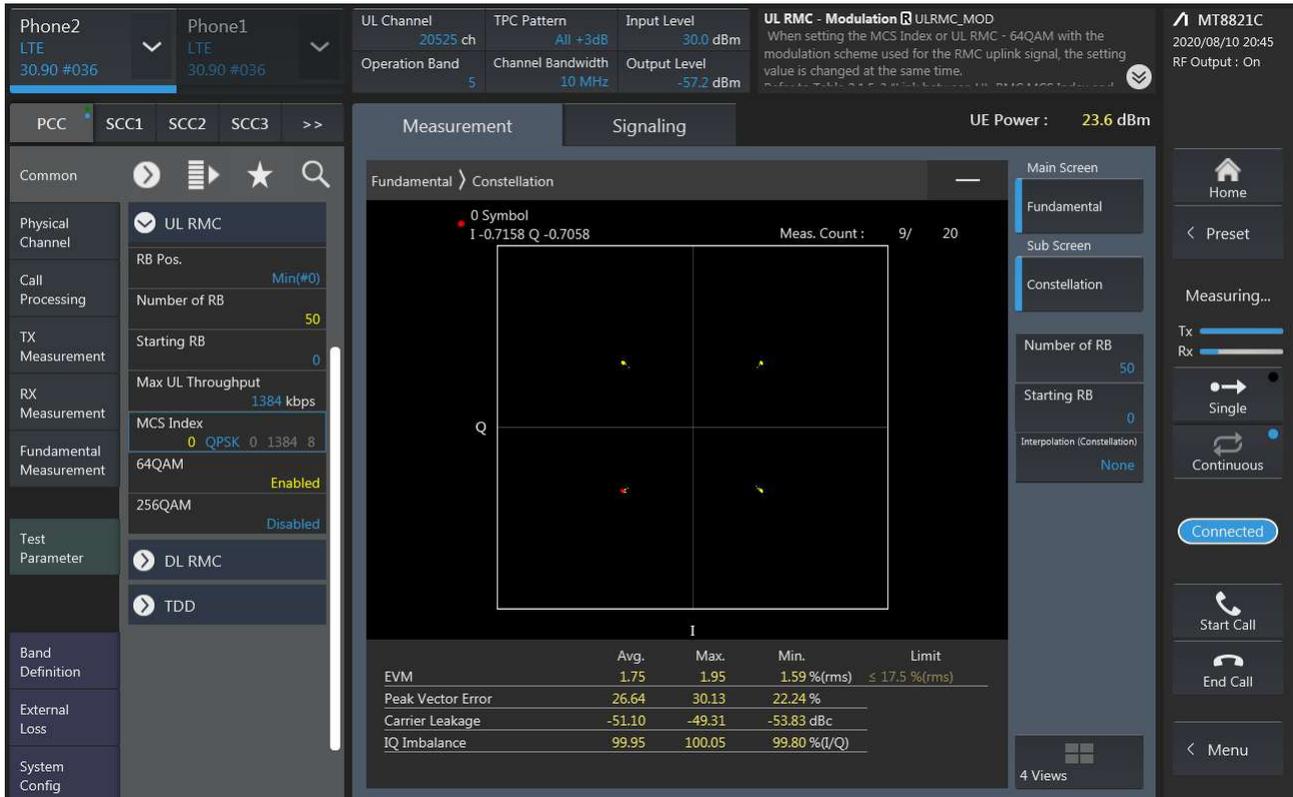


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### 3. Modulation Characteristics

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

##### 3.1.1. Test Channel = MCH



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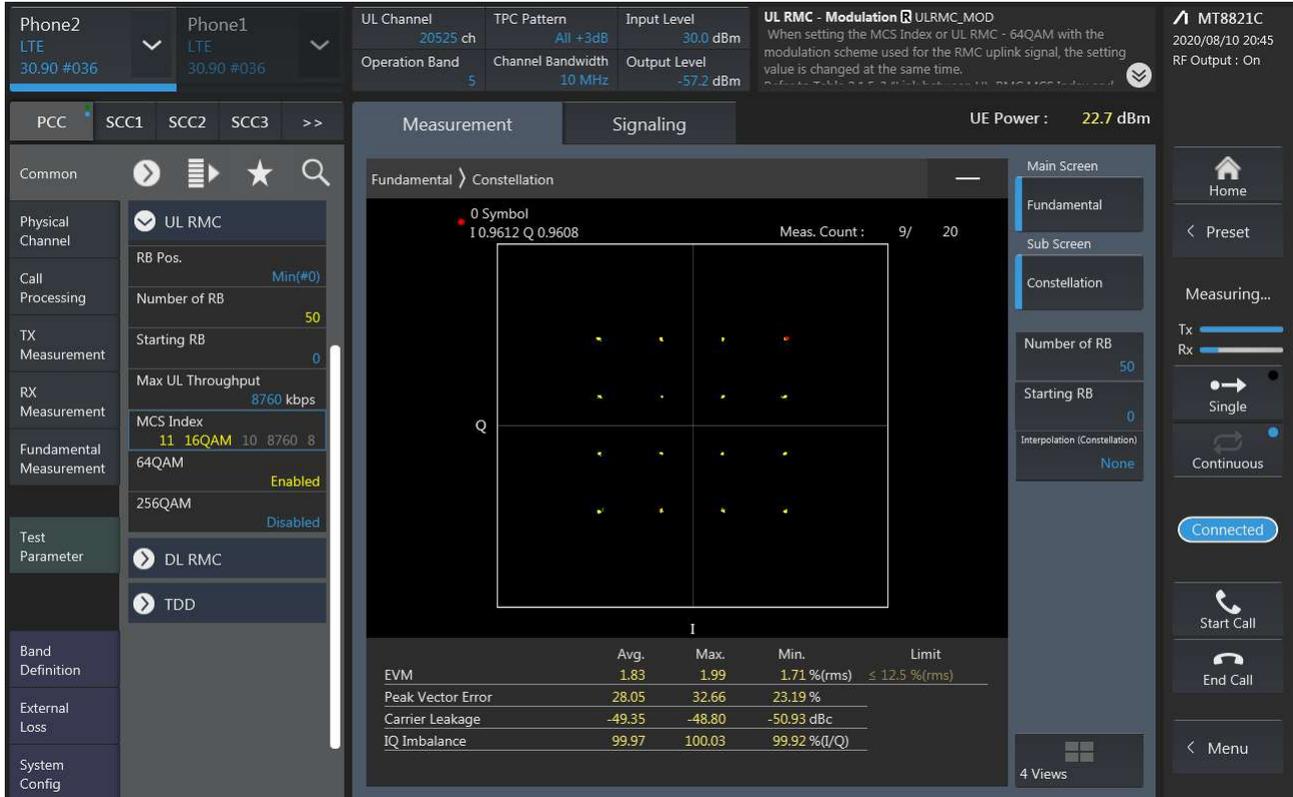
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中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



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

#### 3.2.1. Test Channel = MCH



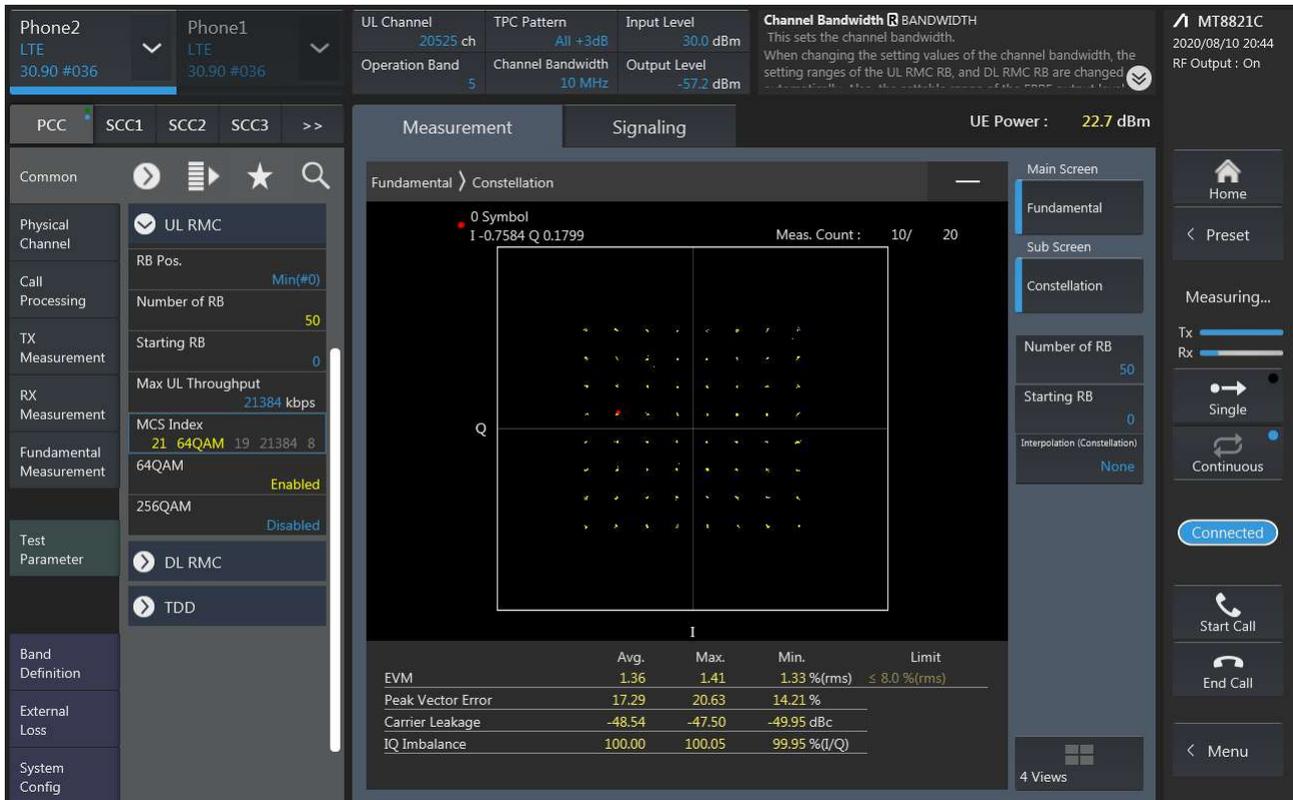
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### 3.3. Test Mode = LTE /TM3 10MHz

#### 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	1.091	1.296	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.091	1.299	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.091	1.296	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.094	1.287	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.094	1.284	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.094	1.287	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.088	1.293	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.091	1.287	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.091	1.293	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.691	2.940	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.691	2.922	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.691	2.934	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.685	2.898	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.685	2.910	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.685	2.916	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.673	2.904	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.679	2.910	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.679	2.904	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.476	4.840	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.476	4.840	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.476	4.820	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.476	4.870	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.476	4.810	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.476	4.810	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.466	4.840	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.486	4.850	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.476	4.870	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.951	9.620	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.931	9.640	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.951	9.640	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.931	9.600	PASS

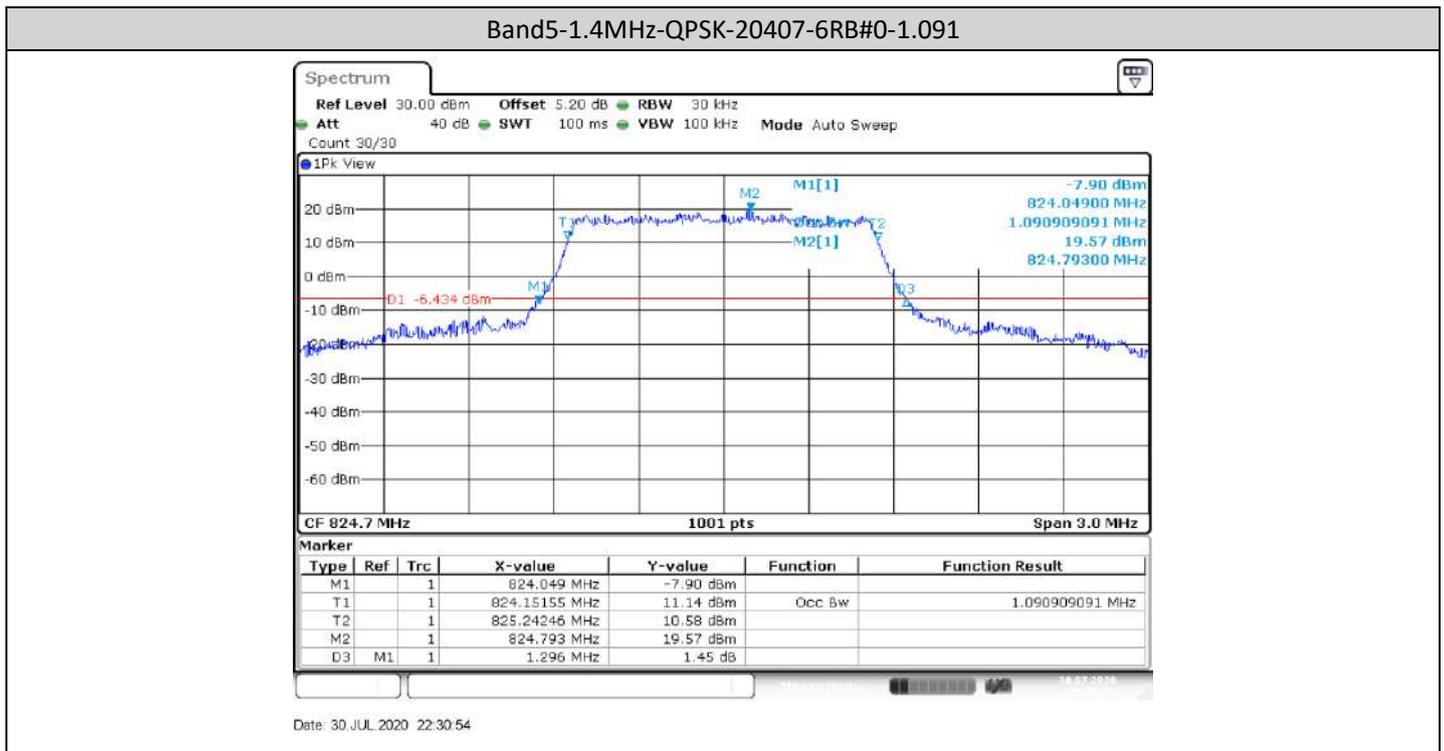


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Band5	10MHz	64QAM	20525	50RB#0	8.931	9.600	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.931	9.580	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.931	9.640	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.911	9.640	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.931	9.620	PASS

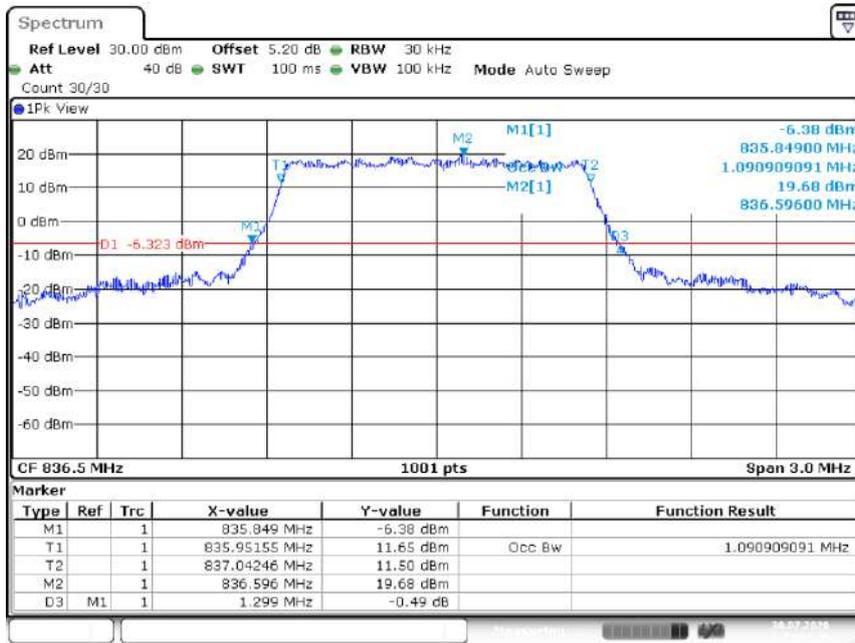
## 4.2. Test Plots



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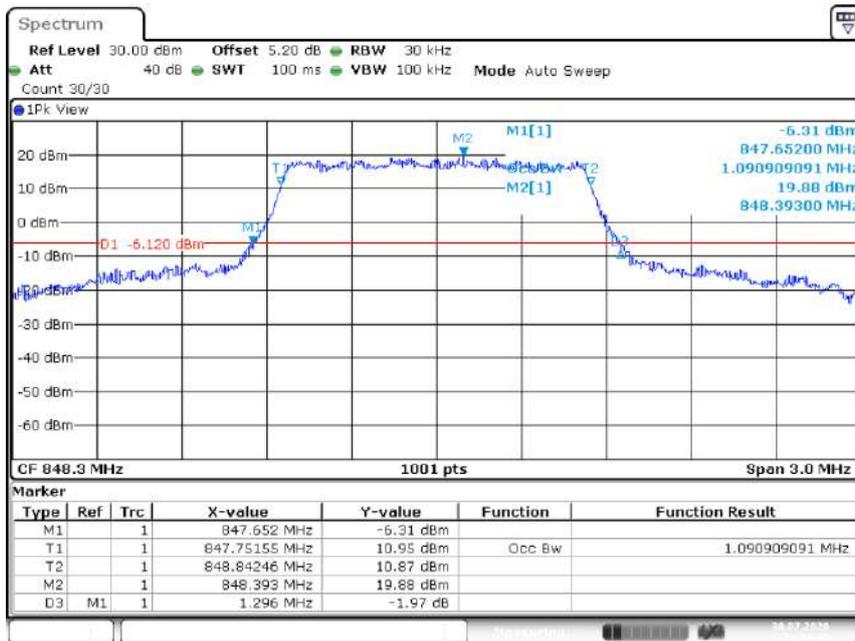
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**Band5-1.4MHz-QPSK-20525-6RB#0-1.091**



Date: 30 JUL 2020 22:31:19

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

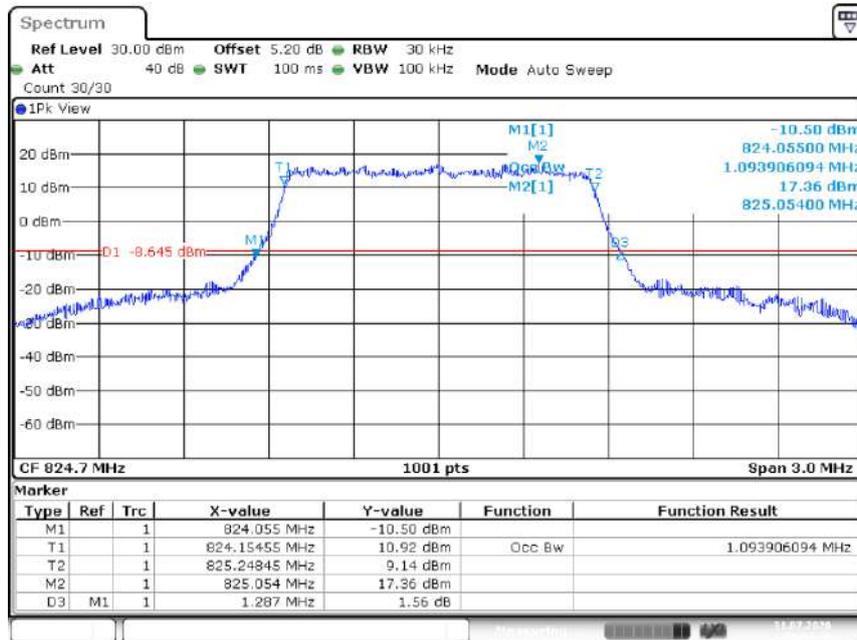


Date: 30 JUL 2020 22:31:45



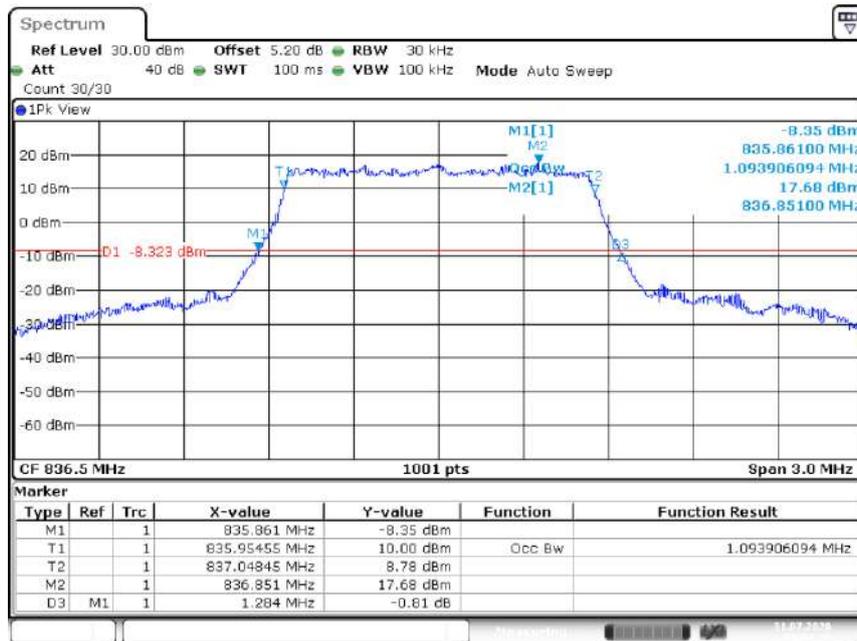
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**Band5-1.4MHz-64QAM-20407-6RB#0-1.094**



Date: 31 JUL 2020 08:27:10

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

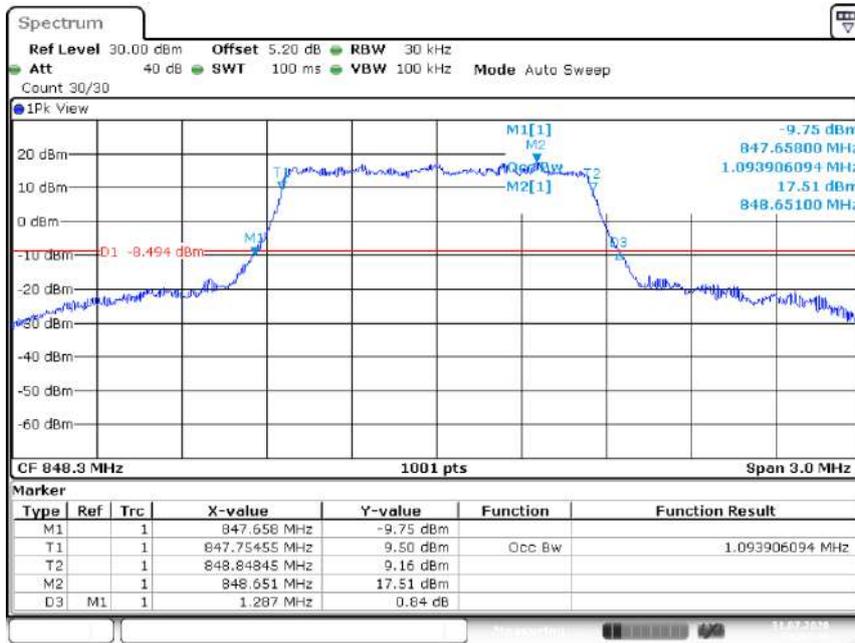


Date: 31 JUL 2020 08:27:23



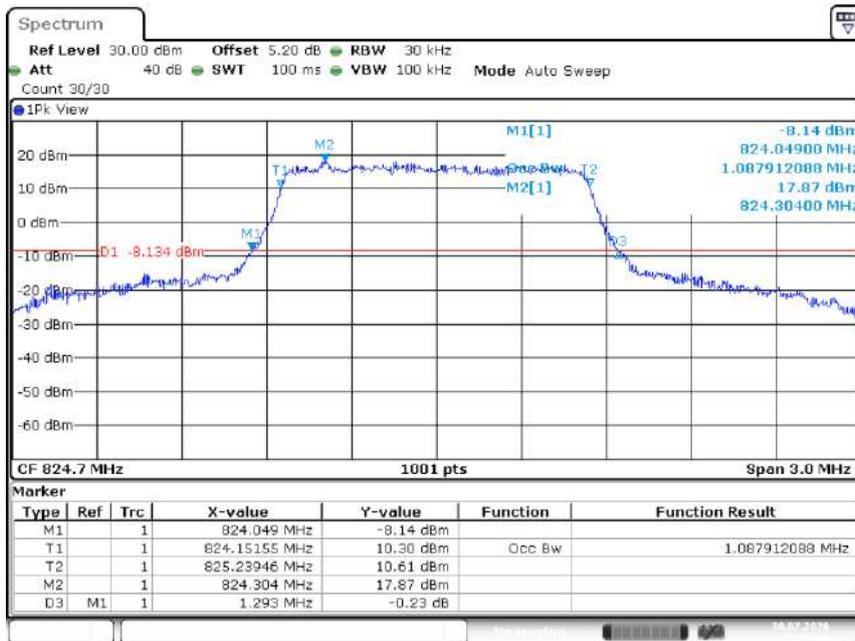
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**Band5-1.4MHz-64QAM-20643-6RB#0-1.094**



Date: 31 JUL 2020 08:27:36

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



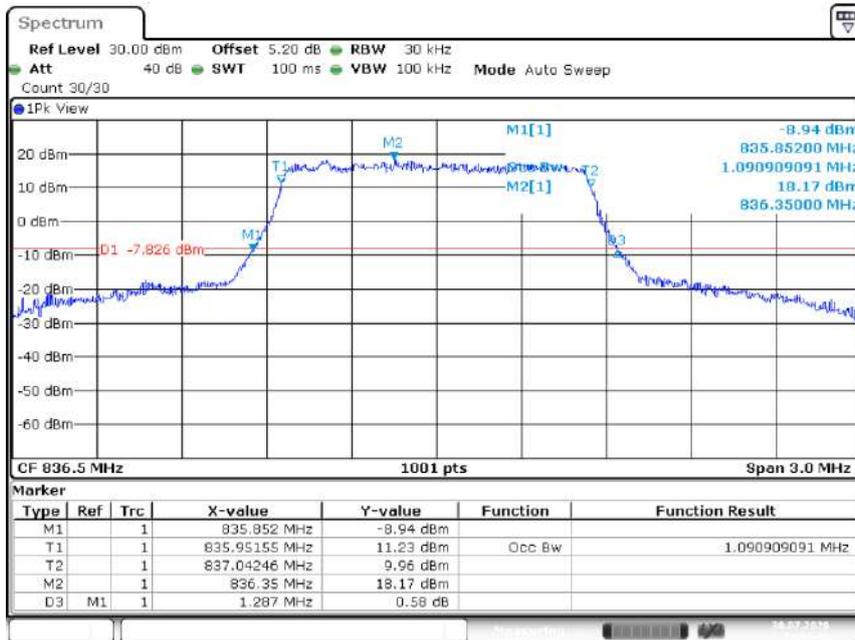
Date: 30 JUL 2020 22:31:06



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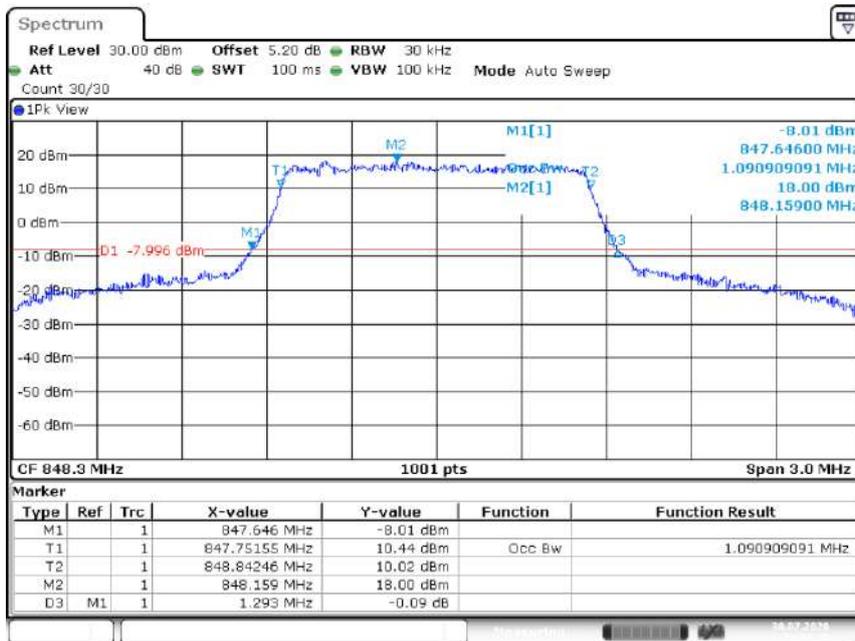


Band5-1.4MHz-16QAM-20525-6RB#0-1.091



Date: 30 JUL 2020 22:31:32

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

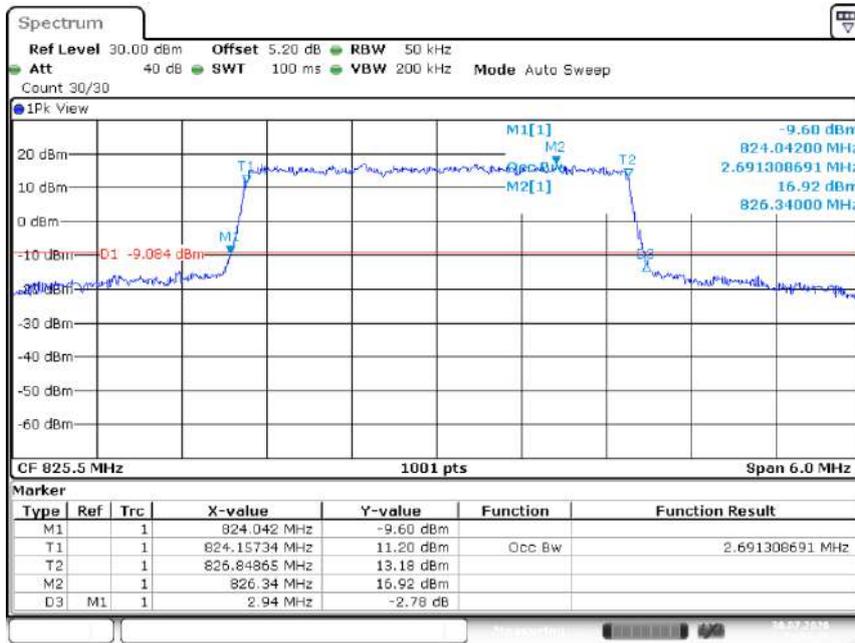


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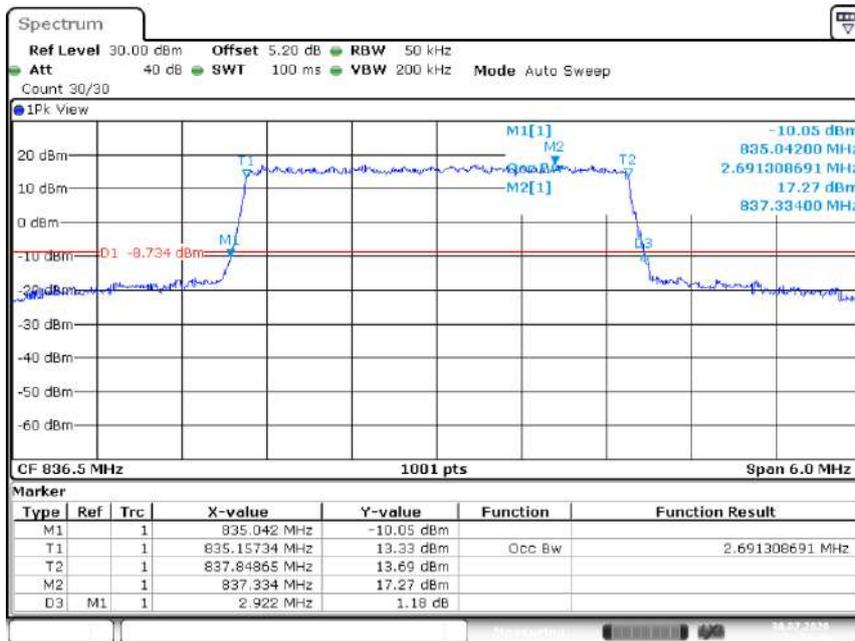
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**Band5-3MHz-QPSK-20415-15RB#0-2.691**



Date: 30.JUL.2020 22:32:15

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

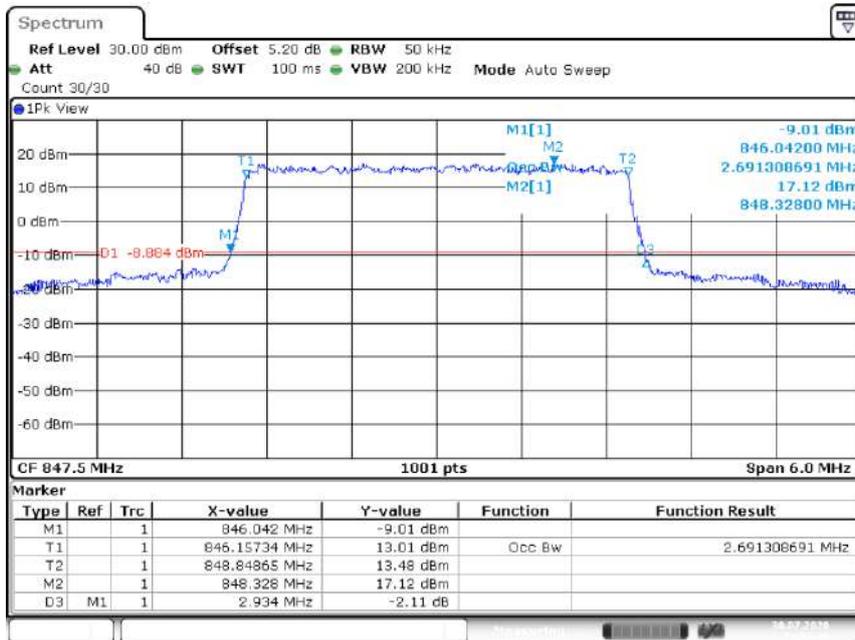


Date: 30.JUL.2020 22:32:40



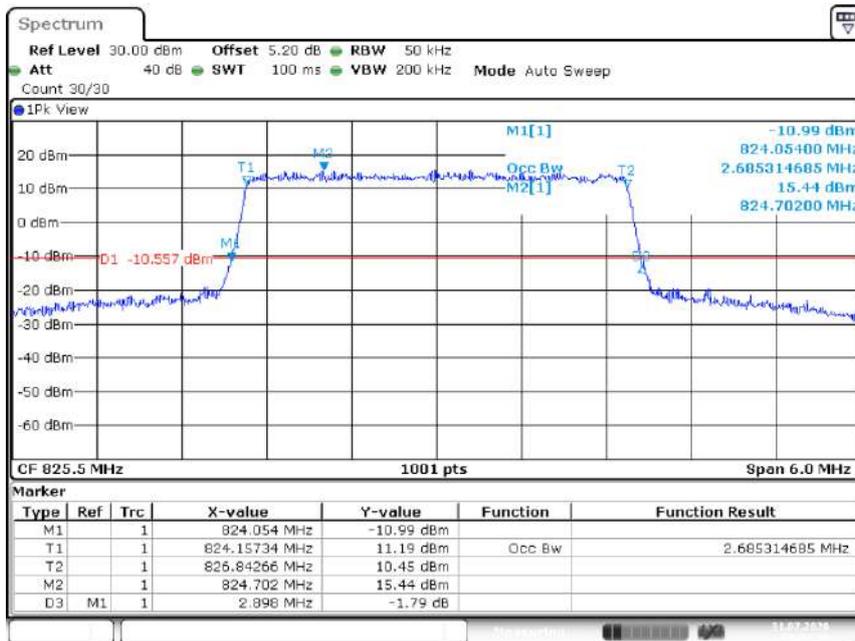
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**Band5-3MHz-QPSK-20635-15RB#0-2.691**



Date: 30 JUL 2020 22:33:06

**Band5-3MHz-64QAM-20415-15RB#0-2.685**

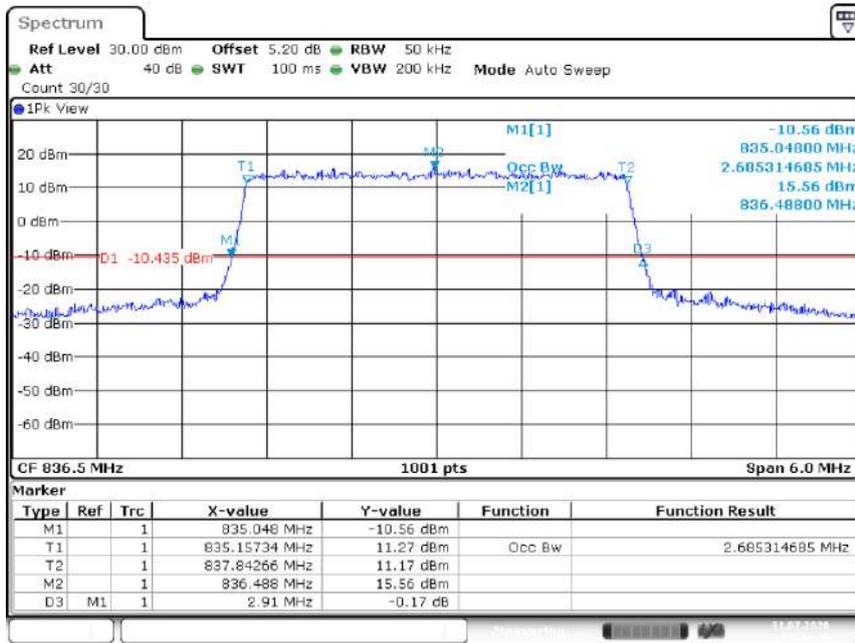


Date: 31 JUL 2020 08:27:54



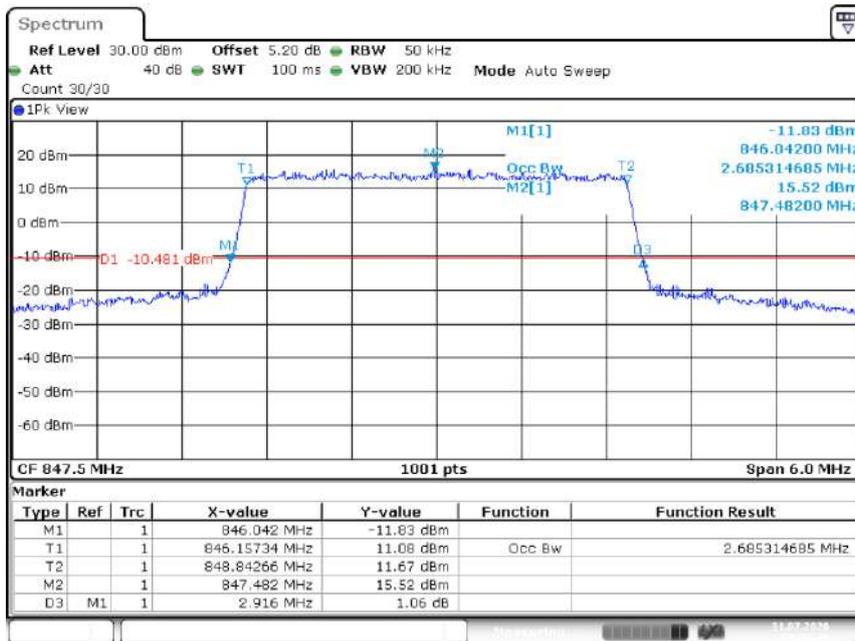
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**Band5-3MHz-64QAM-20525-15RB#0-2.685**



Date: 31 JUL 2020 08:28:06

**Band5-3MHz-64QAM-20635-15RB#0-2.685**

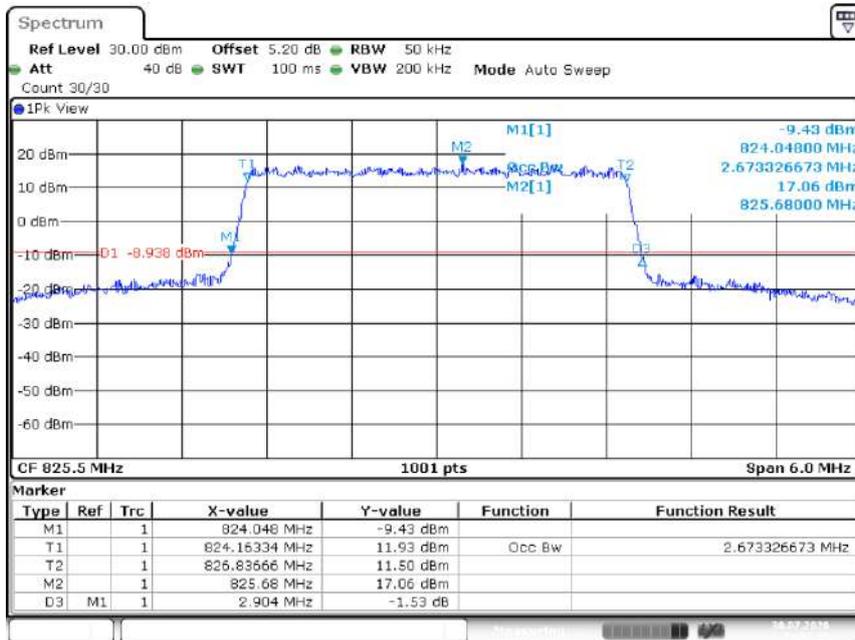


Date: 31 JUL 2020 08:28:19



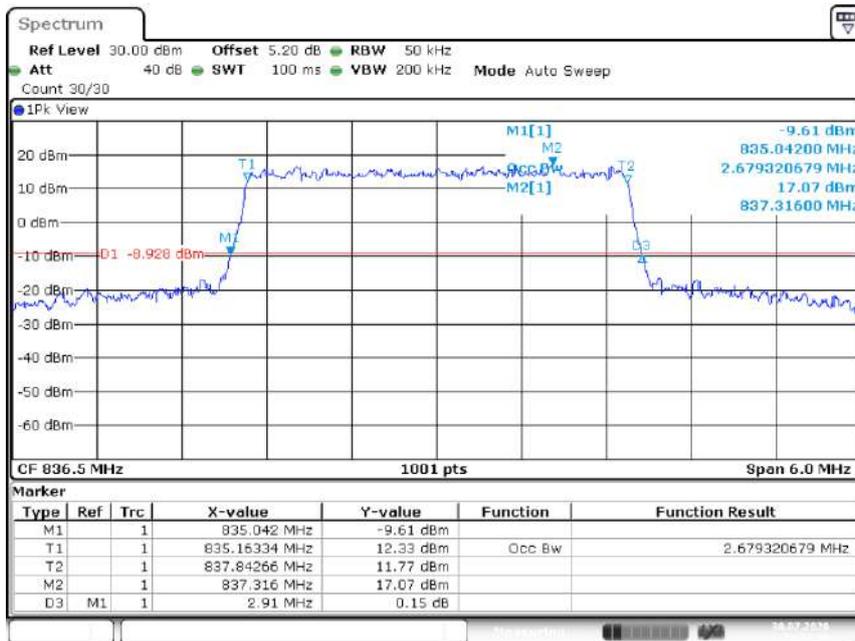
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**Band5-3MHz-16QAM-20415-15RB#0-2.673**



Date: 30 JUL 2020 22:32:28

**Band5-3MHz-16QAM-20525-15RB#0-2.679**

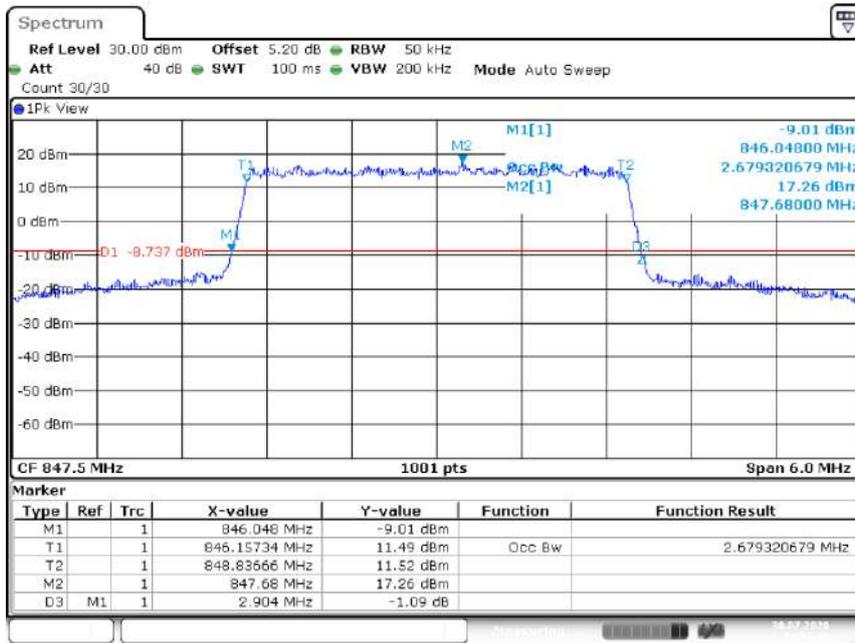


Date: 30 JUL 2020 22:32:53



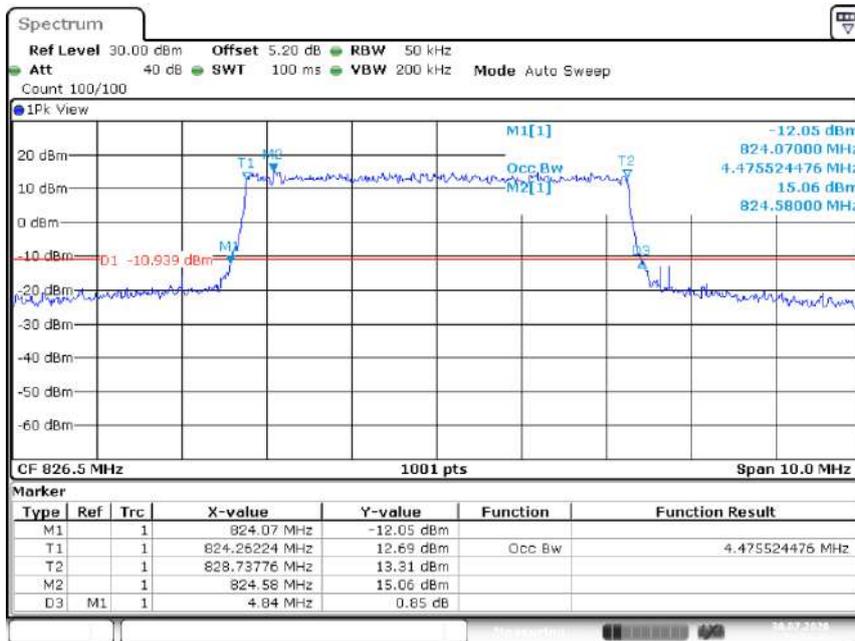
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**Band5-3MHz-16QAM-20635-15RB#0-2.679**



Date: 30 JUL 2020 22:33:19

**Band5-5MHz-QPSK-20425-25RB#0-4.476**

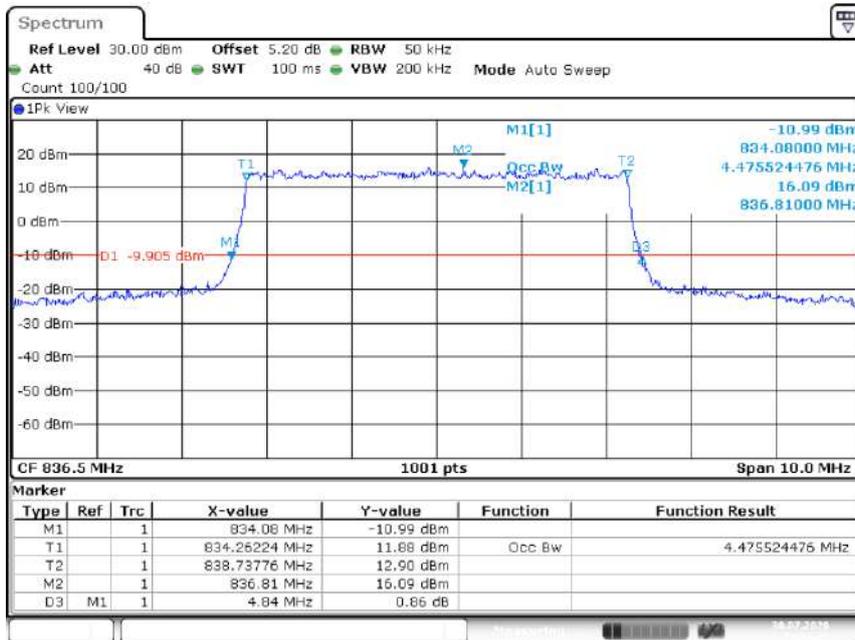


Date: 30 JUL 2020 22:33:43



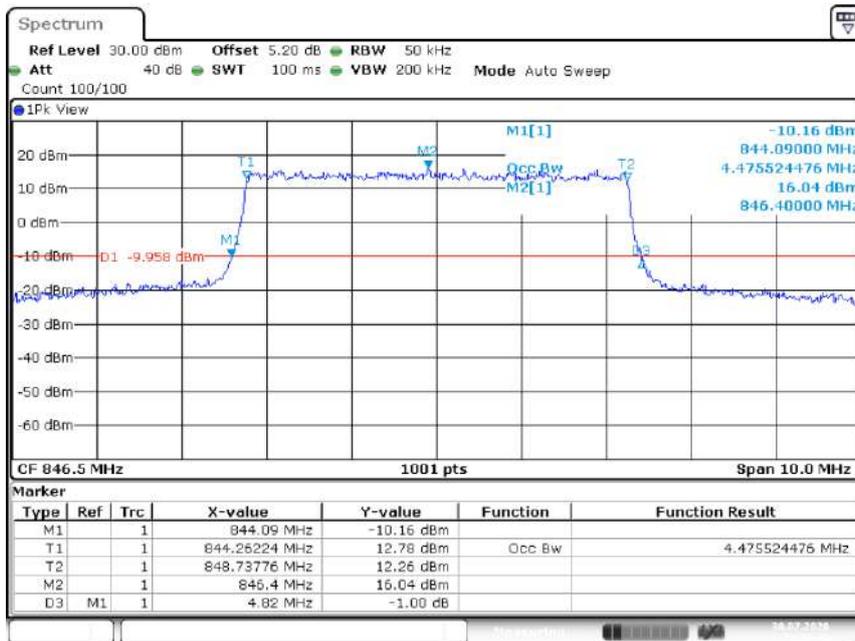
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**Band5-5MHz-QPSK-20525-25RB#0-4.476**



Date: 30 JUL 2020 22:34:23

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

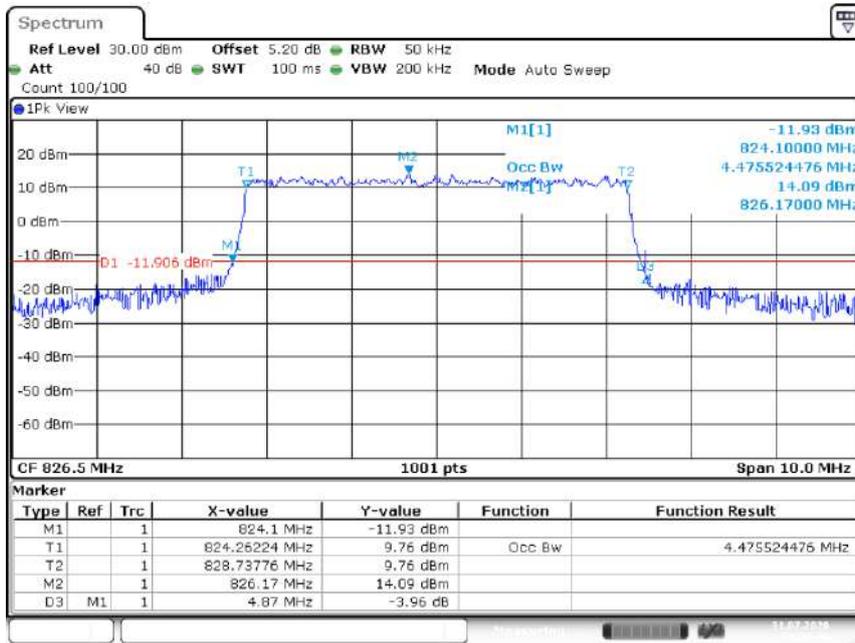


Date: 30 JUL 2020 22:35:02



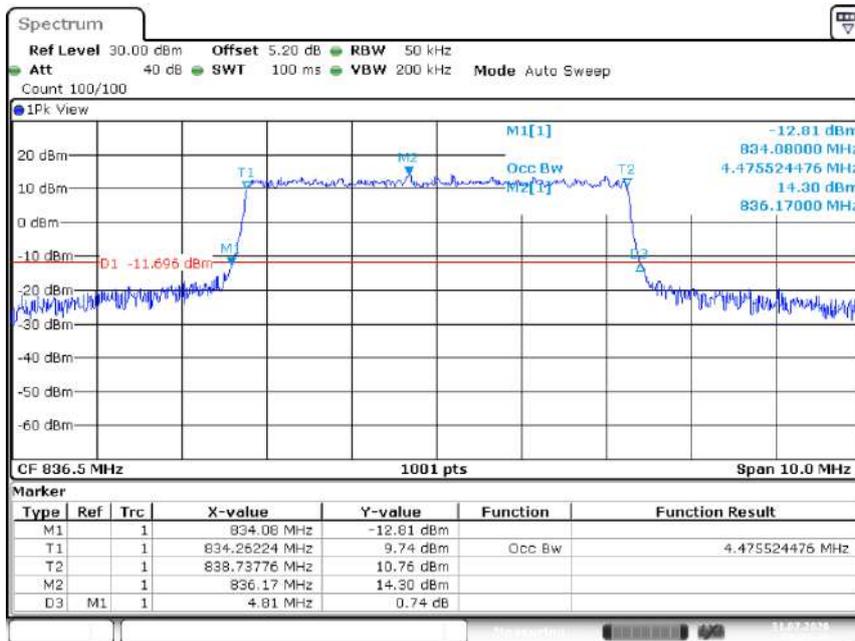
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**Band5-5MHz-64QAM-20425-25RB#0-4.476**



Date: 31 JUL 2020 08:28:44

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

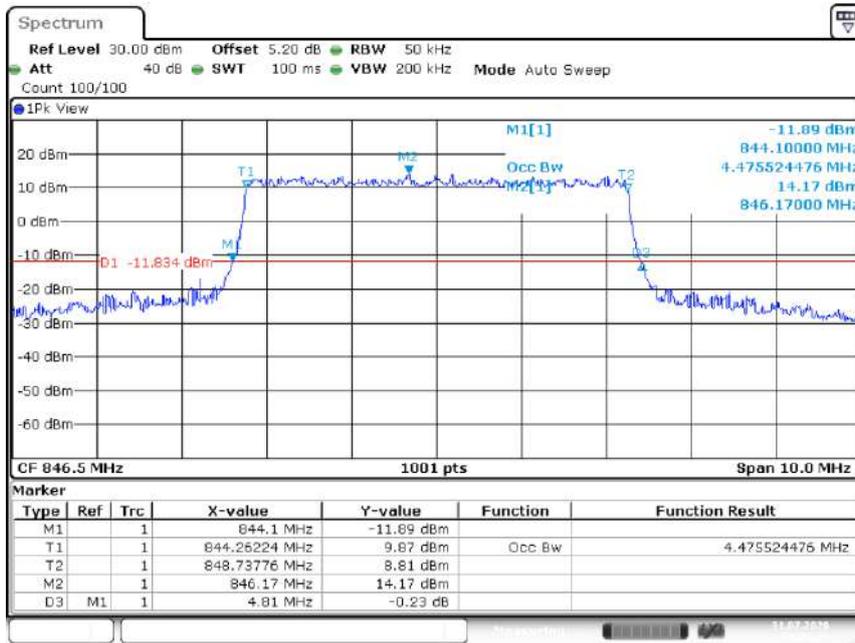


Date: 31 JUL 2020 08:29:04



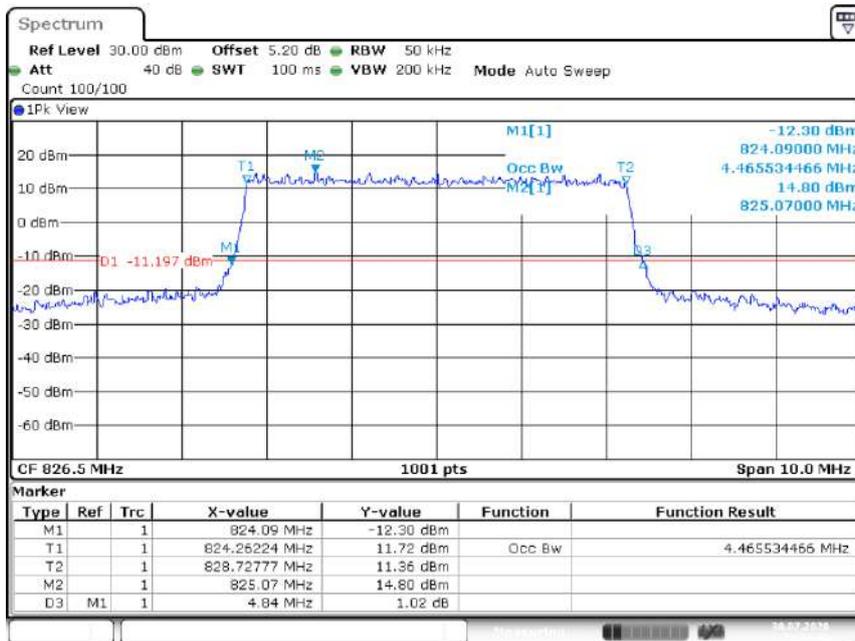
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**Band5-5MHz-64QAM-20625-25RB#0-4.476**



Date: 31 JUL 2020 08:29:24

**Band5-5MHz-16QAM-20425-25RB#0-4.466**

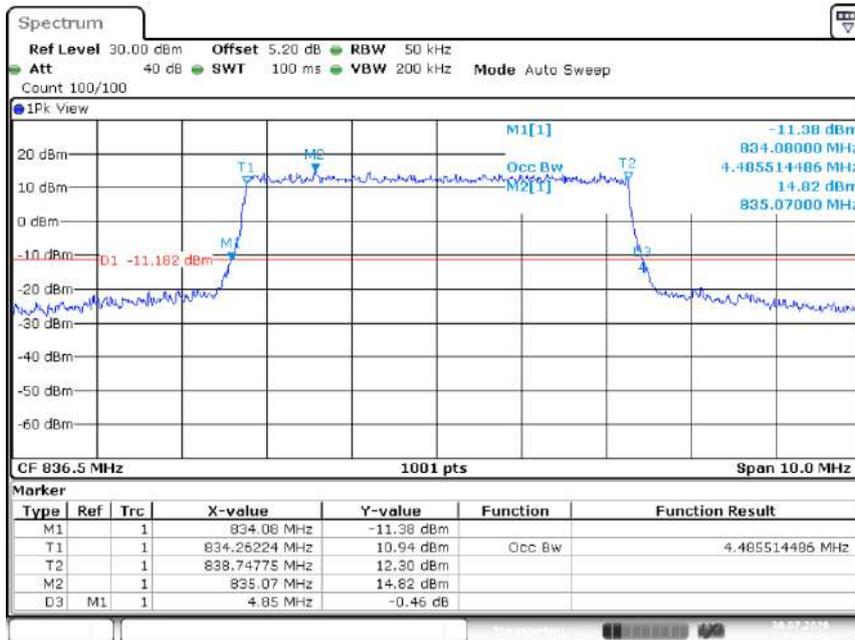


Date: 30 JUL 2020 22:34:03



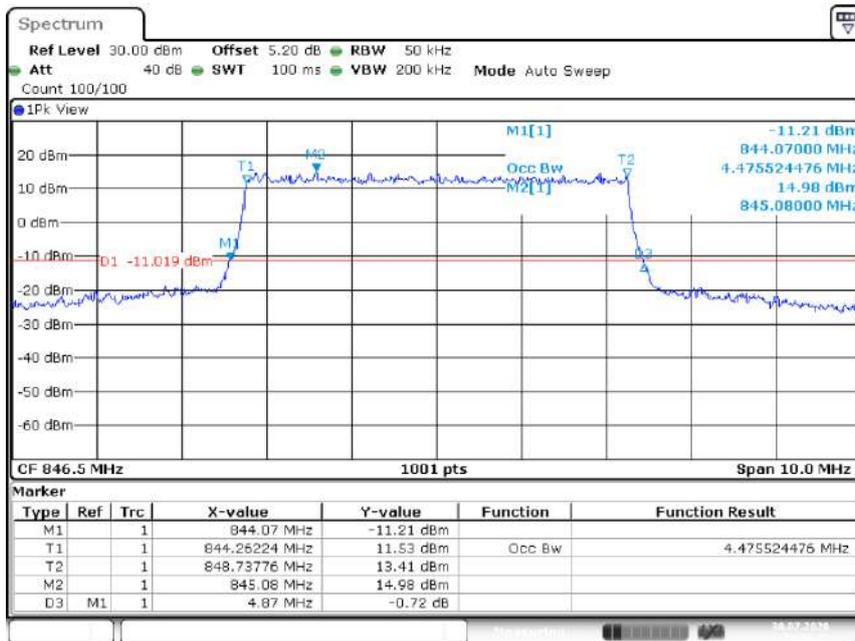
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**Band5-5MHz-16QAM-20525-25RB#0-4.486**



Date: 30 JUL 2020 22:34:42

**Band5-5MHz-16QAM-20625-25RB#0-4.476**

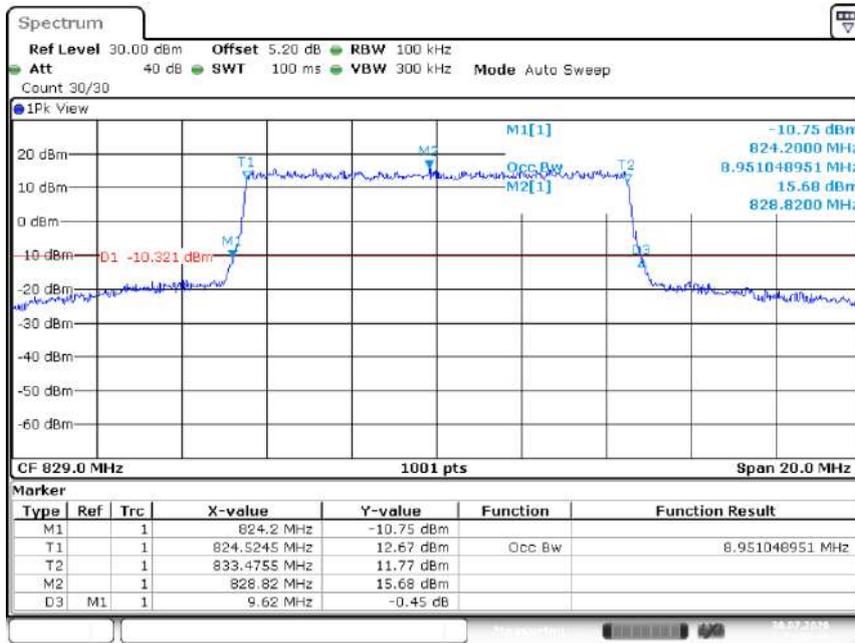


Date: 30 JUL 2020 22:35:22



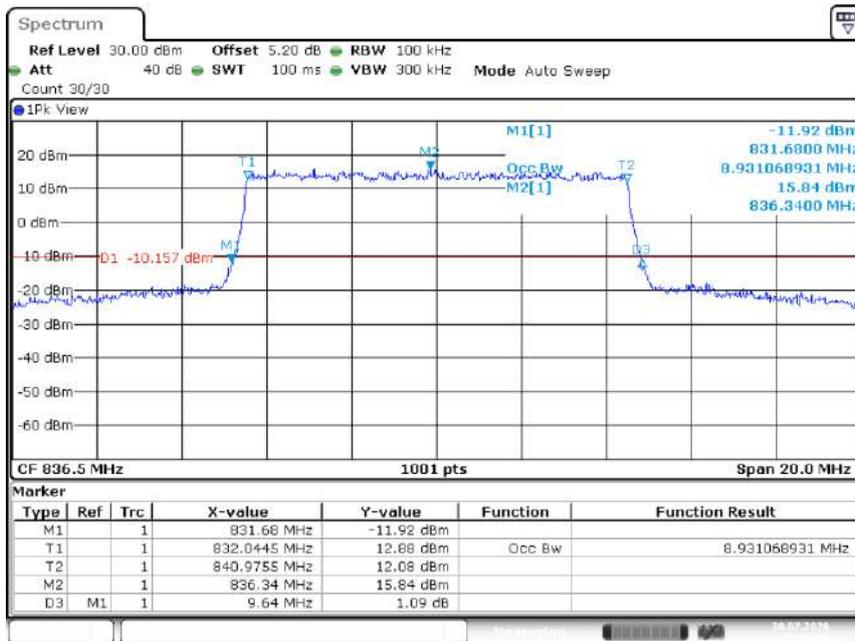
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**Band5-10MHz-QPSK-20450-50RB#0-8.951**



Date: 30 JUL 2020 22:35:39

**Band5-10MHz-QPSK-20525-50RB#0-8.931**

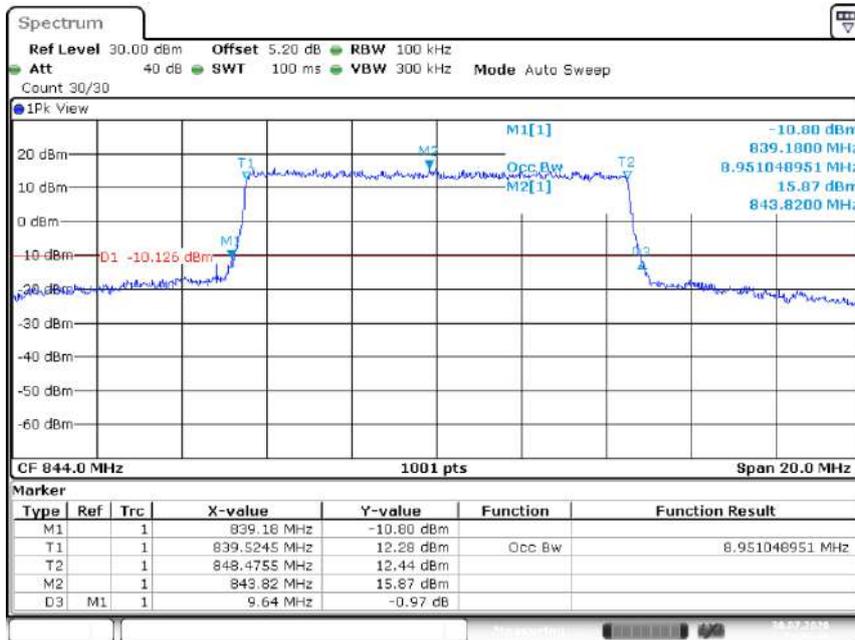


Date: 30 JUL 2020 22:36:05



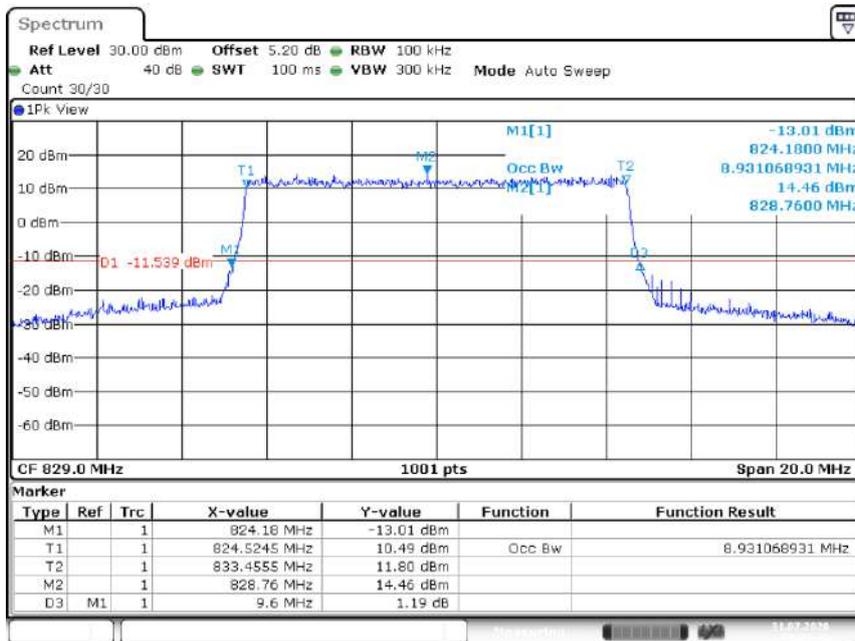
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**Band5-10MHz-QPSK-20600-50RB#0-8.951**



Date: 30 JUL 2020 22:36:30

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

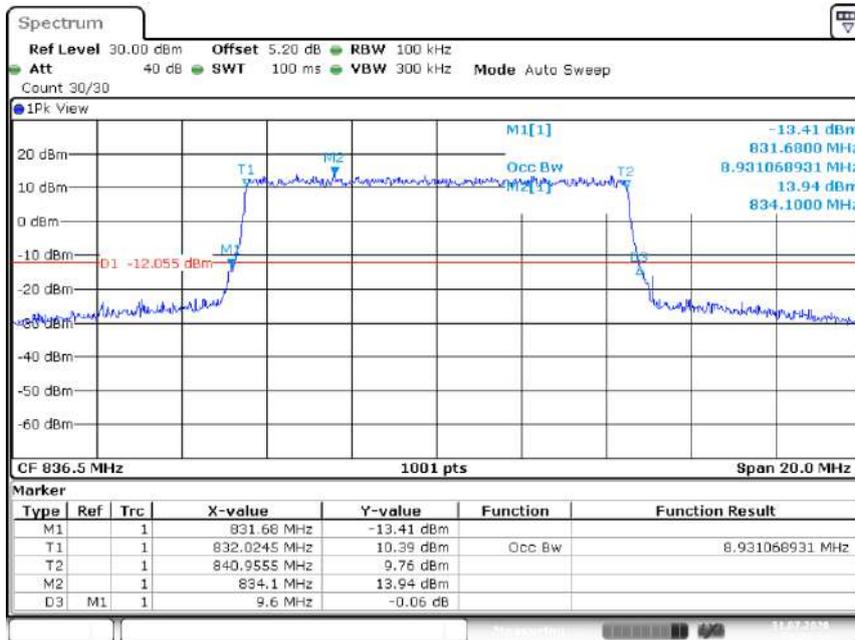


Date: 31 JUL 2020 08:29:41

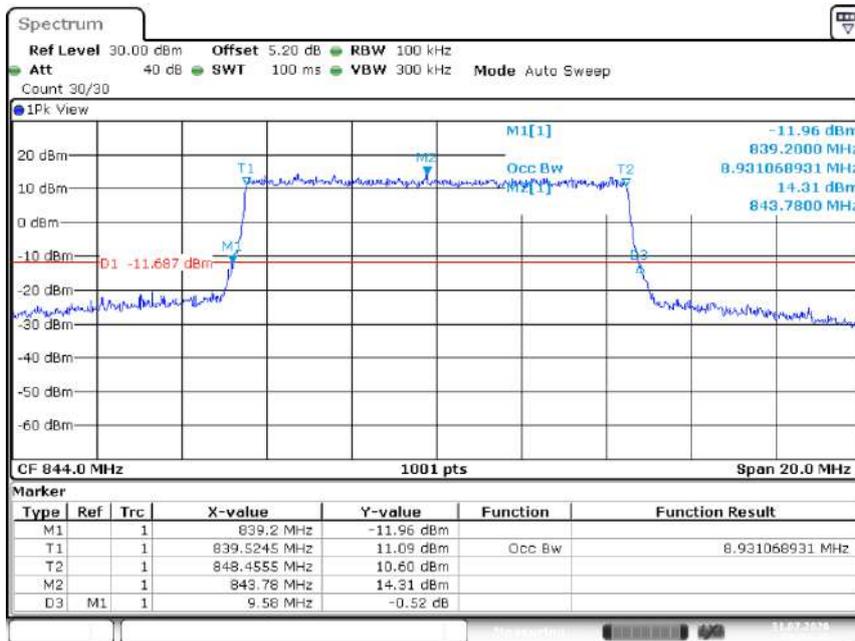


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**Band5-10MHz-64QAM-20525-50RB#0-8.931**



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

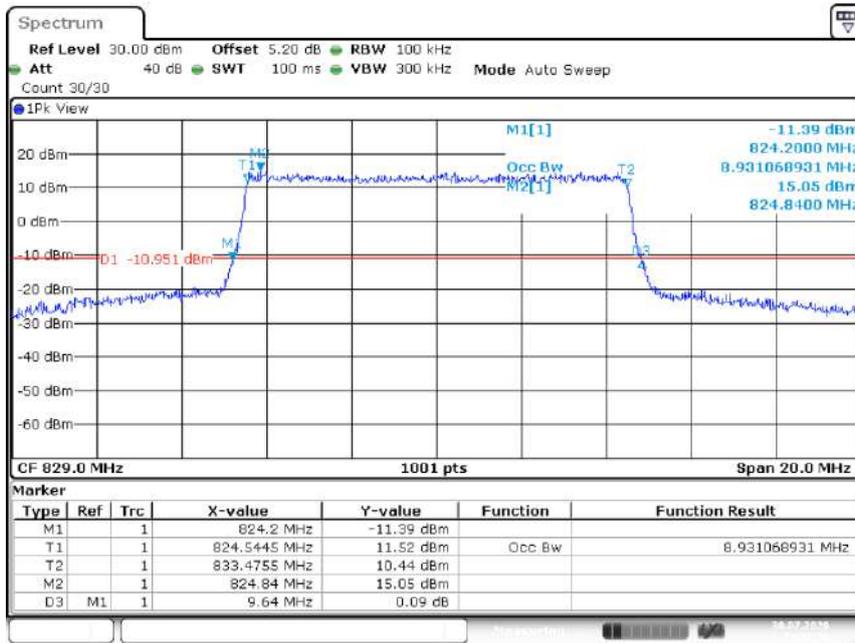


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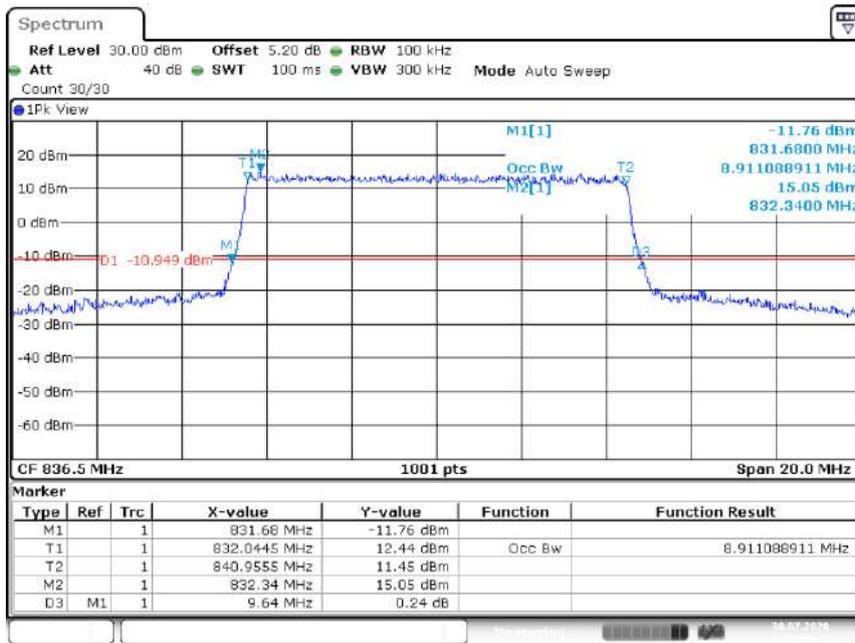
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**Band5-10MHz-16QAM-20450-50RB#0-8.931**



Date: 30 JUL 2020 22:35:52

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

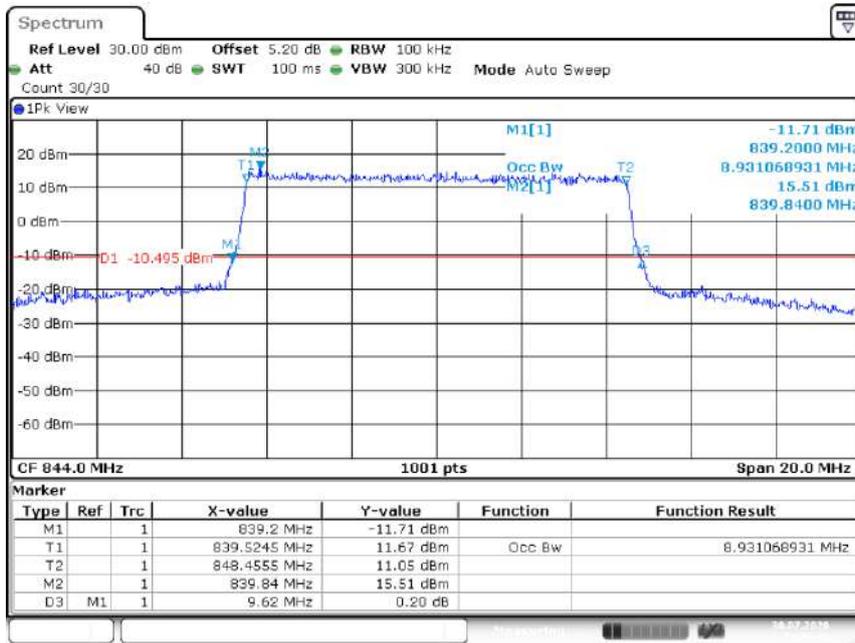


Date: 30 JUL 2020 22:36:17



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**Band5-10MHz-16QAM-20600-50RB#0-8.931**



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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	-17.23	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-21.83	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-17.72	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-20.44	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	-20.92	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	-27.35	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	-20.28	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	-25.99	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-18.73	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-23.78	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-18.56	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-22.69	PASS
Band5	3MHz	QPSK	20415	1RB#0	-17.14	PASS
Band5	3MHz	QPSK	20415	15RB#0	-26.76	PASS
Band5	3MHz	QPSK	20635	1RB#14	-17.15	PASS
Band5	3MHz	QPSK	20635	15RB#0	-25.27	PASS
Band5	3MHz	64QAM	20415	1RB#0	-21.15	PASS
Band5	3MHz	64QAM	20415	15RB#0	-32.02	PASS
Band5	3MHz	64QAM	20635	1RB#14	-20.83	PASS
Band5	3MHz	64QAM	20635	15RB#0	-30.97	PASS
Band5	3MHz	16QAM	20415	1RB#0	-17.24	PASS
Band5	3MHz	16QAM	20415	15RB#0	-29.22	PASS
Band5	3MHz	16QAM	20635	1RB#14	-18.07	PASS
Band5	3MHz	16QAM	20635	15RB#0	-28.33	PASS
Band5	5MHz	QPSK	20425	1RB#0	-18.19	PASS
Band5	5MHz	QPSK	20425	25RB#0	-26.81	PASS
Band5	5MHz	QPSK	20625	1RB#24	-18.21	PASS
Band5	5MHz	QPSK	20625	25RB#0	-26.47	PASS
Band5	5MHz	64QAM	20425	1RB#0	-19.99	PASS
Band5	5MHz	64QAM	20425	25RB#0	-31.70	PASS
Band5	5MHz	64QAM	20625	1RB#24	-19.76	PASS
Band5	5MHz	64QAM	20625	25RB#0	-30.98	PASS

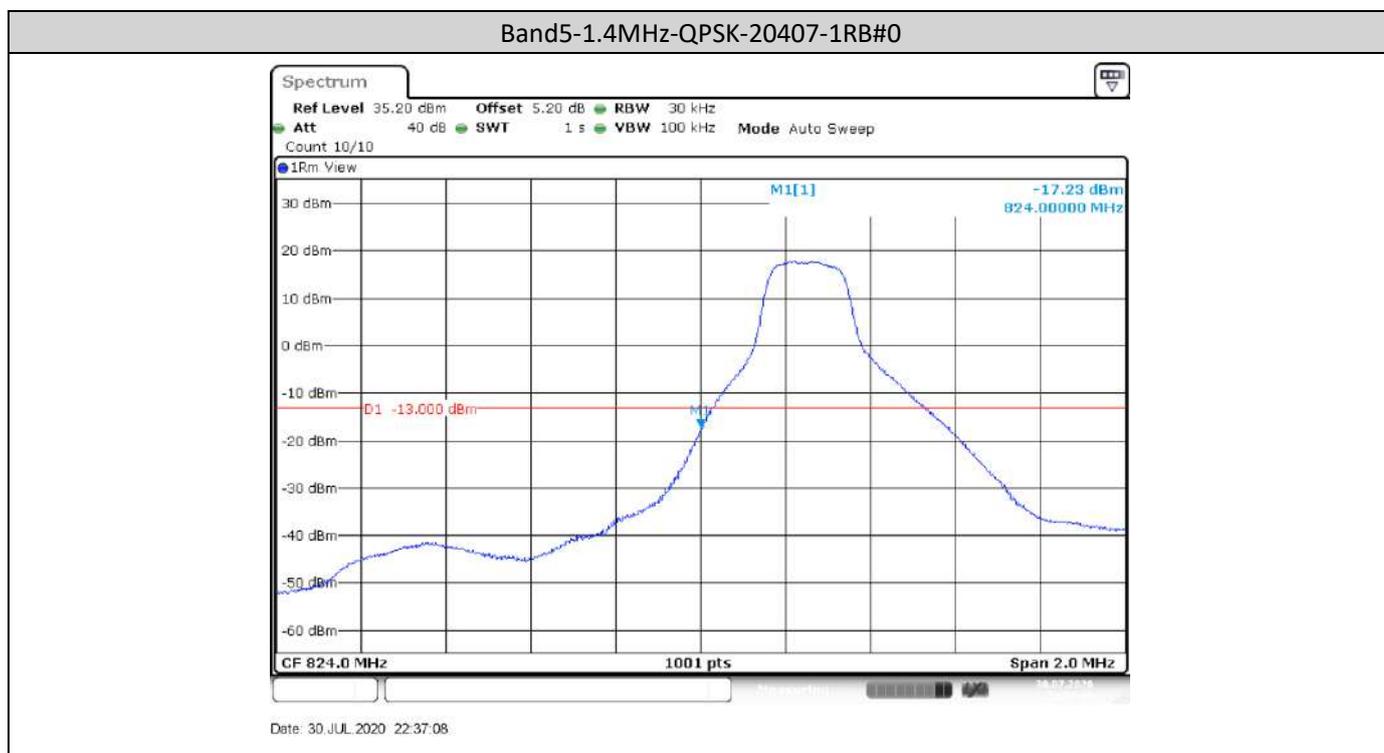


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Band5	5MHz	16QAM	20425	1RB#0	-19.24	PASS
Band5	5MHz	16QAM	20425	25RB#0	-28.71	PASS
Band5	5MHz	16QAM	20625	1RB#24	-18.55	PASS
Band5	5MHz	16QAM	20625	25RB#0	-28.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	-20.49	PASS
Band5	10MHz	QPSK	20450	50RB#0	-27.42	PASS
Band5	10MHz	QPSK	20600	1RB#49	-20.24	PASS
Band5	10MHz	QPSK	20600	50RB#0	-27.09	PASS
Band5	10MHz	64QAM	20450	1RB#0	-22.67	PASS
Band5	10MHz	64QAM	20450	50RB#0	-32.89	PASS
Band5	10MHz	64QAM	20600	1RB#49	-22.35	PASS
Band5	10MHz	64QAM	20600	50RB#0	-32.44	PASS
Band5	10MHz	16QAM	20450	1RB#0	-20.47	PASS
Band5	10MHz	16QAM	20450	50RB#0	-30.20	PASS
Band5	10MHz	16QAM	20600	1RB#49	-21.75	PASS
Band5	10MHz	16QAM	20600	50RB#0	-29.72	PASS

## 5.2. Test Plots



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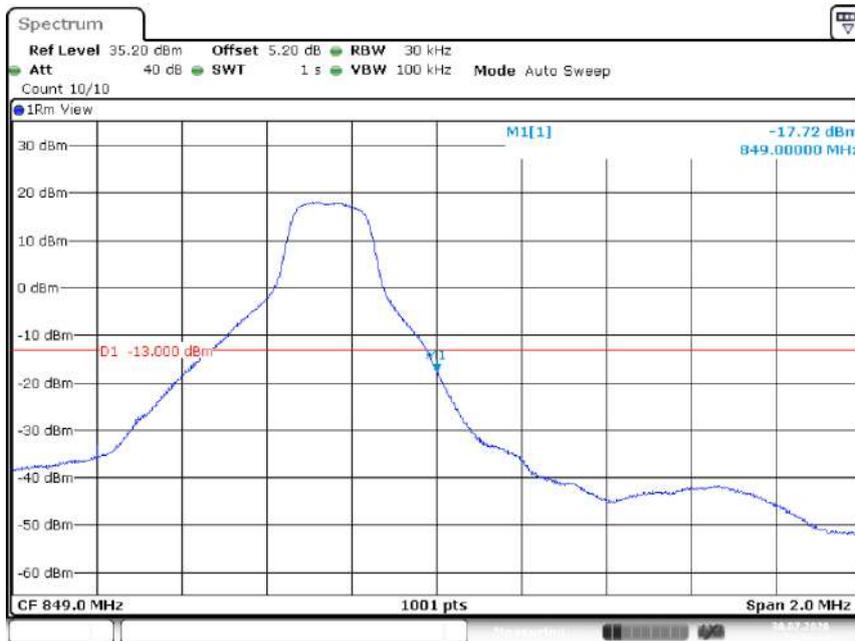
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**Band5-1.4MHz-QPSK-20407-6RB#0**



Date: 30.JUL.2020 22:37:49

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



Date: 30.JUL.2020 22:38:34



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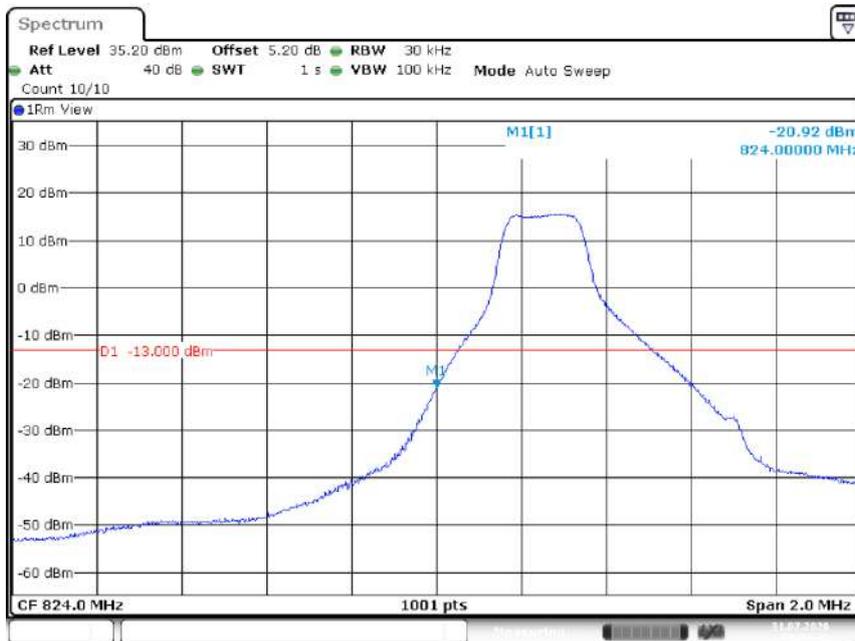
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**Band5-1.4MHz-QPSK-20643-6RB#0**



Date: 30 JUL 2020 22:39:15

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



Date: 31 JUL 2020 08:30:33



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



Date: 31 JUL 2020 08:30:53

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



Date: 31 JUL 2020 08:31:18



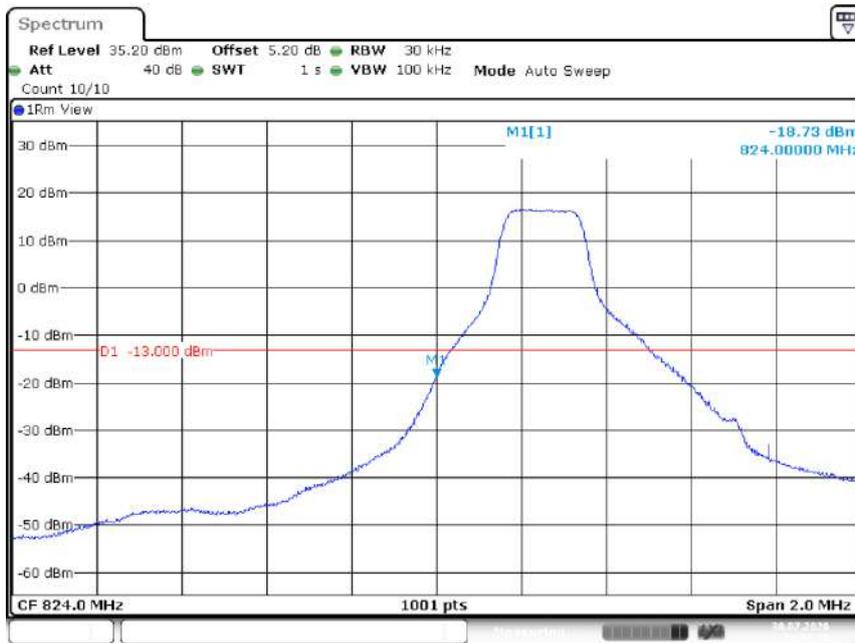
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**Band5-1.4MHz-64QAM-20643-6RB#0**



Date: 31 JUL 2020 08:31:38

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



Date: 30 JUL 2020 22:37:29



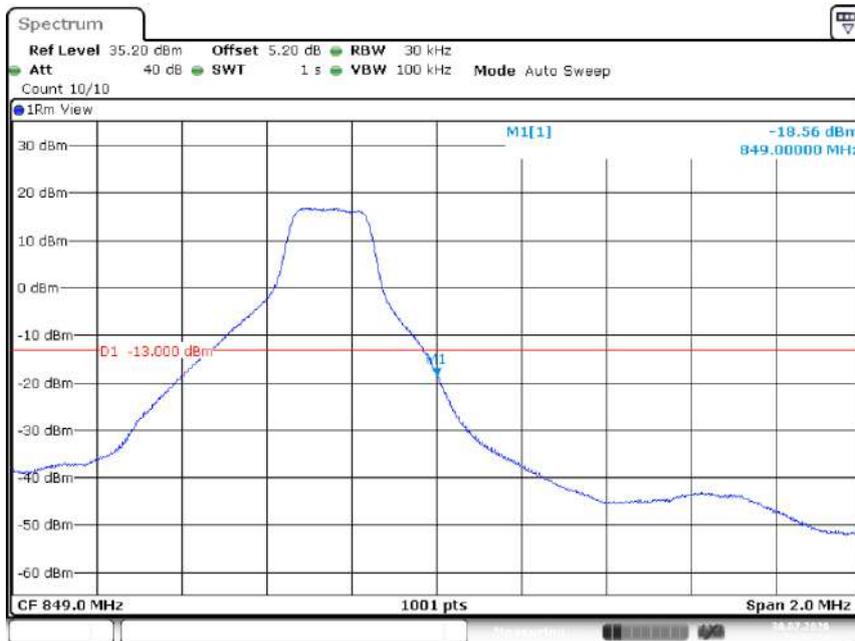
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**Band5-1.4MHz-16QAM-20407-6RB#0**



Date: 30.JUL.2020 22:38:10

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



Date: 30.JUL.2020 22:38:55



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



Date: 30.JUL.2020 22:39:36

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



Date: 30.JUL.2020 22:40:01



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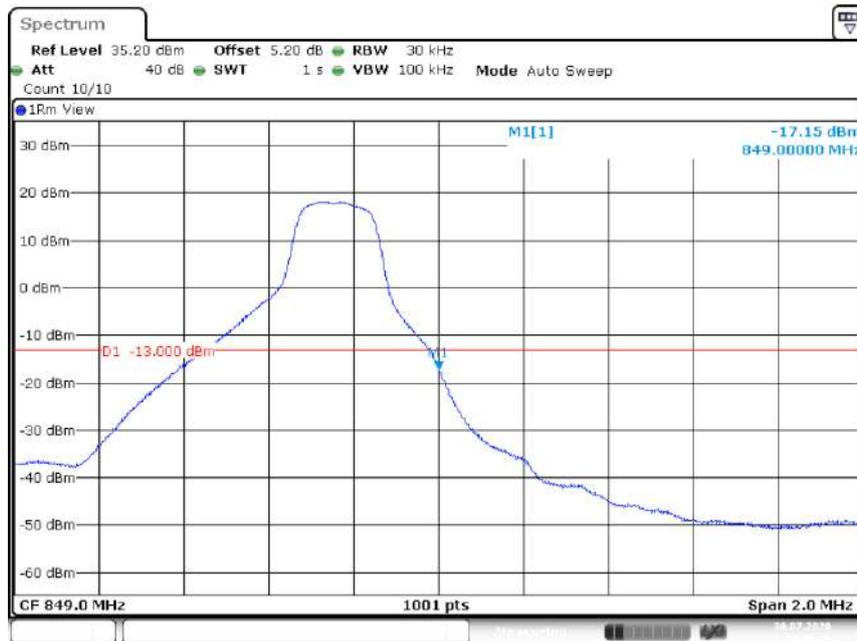
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**Band5-3MHz-QPSK-20415-15RB#0**



Date: 30.JUL.2020 22:40:42

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



Date: 30.JUL.2020 22:41:27



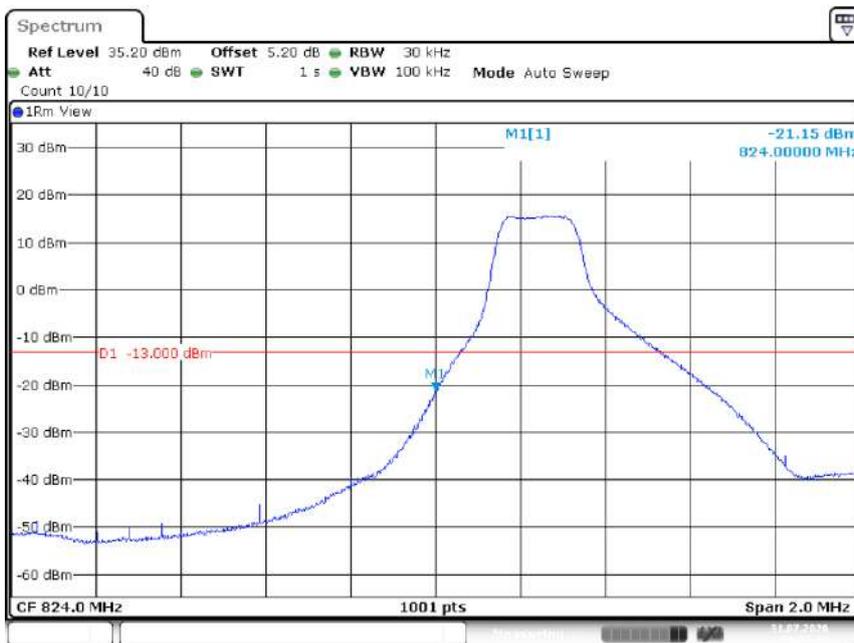
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Band5-3MHz-QPSK-20635-15RB#0



Date: 30 JUL 2020 22:42:08

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

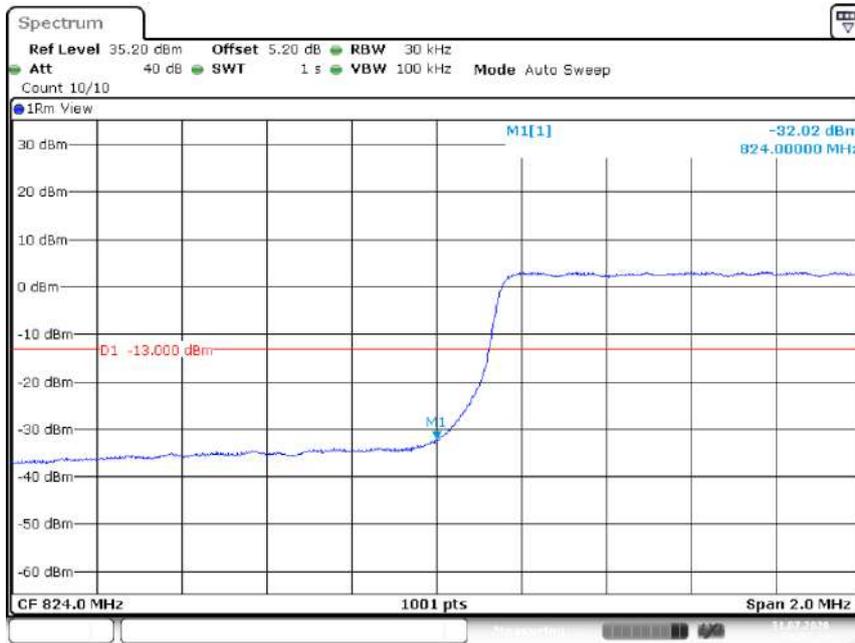


Date: 31 JUL 2020 08:32:04



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



Date: 31 JUL 2020 08:32:25

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



Date: 31 JUL 2020 08:32:50



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



Date: 31 JUL 2020 08:33:10

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



Date: 30 JUL 2020 22:40:21



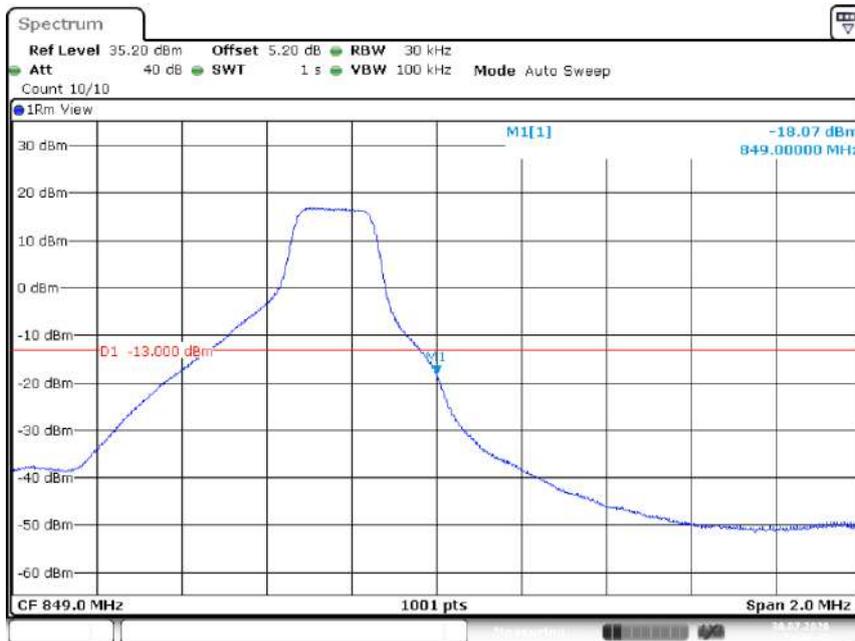
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**Band5-3MHz-16QAM-20415-15RB#0**



Date: 30.JUL.2020 22:41:02

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



Date: 30.JUL.2020 22:41:47



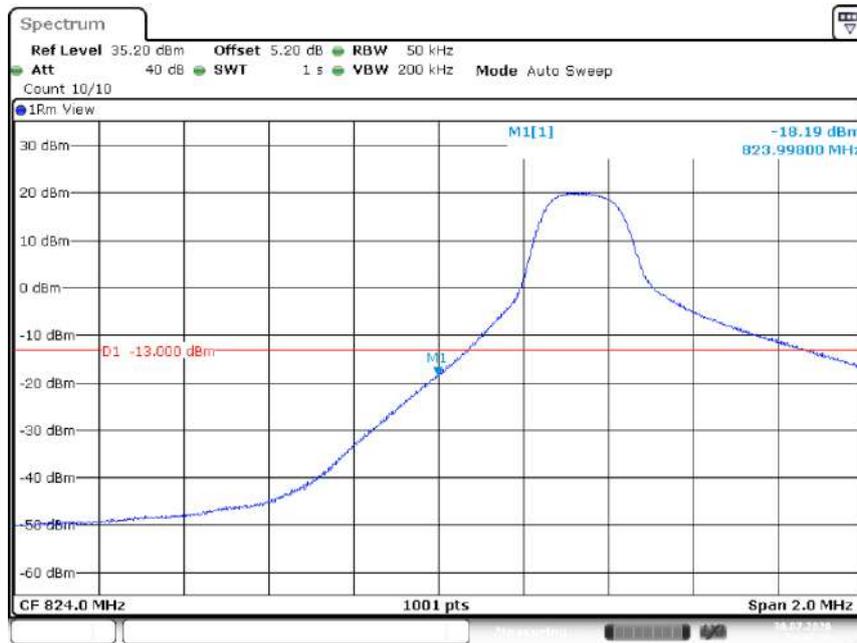
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**Band5-3MHz-16QAM-20635-15RB#0**



Date: 30.JUL.2020 22:42:29

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



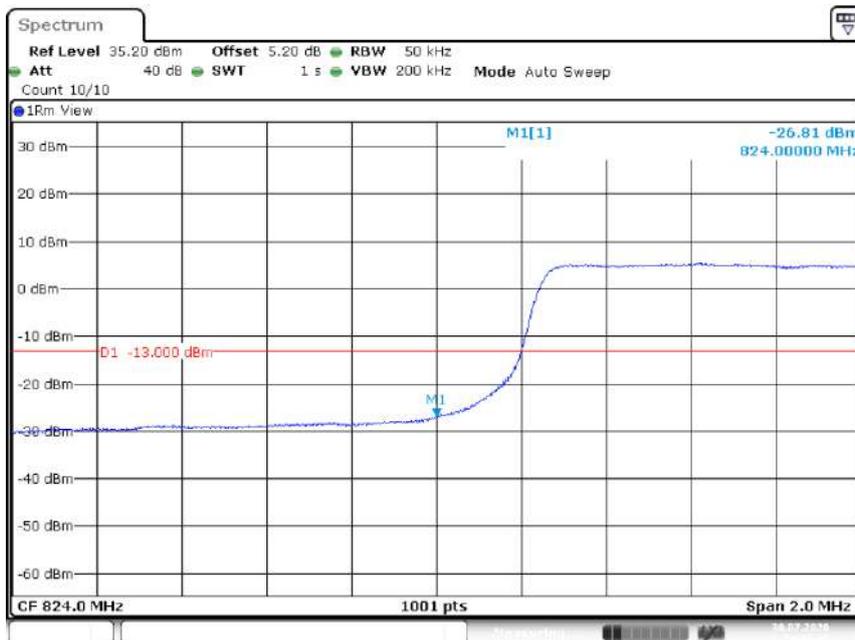
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Band5-5MHz-QPSK-20425-25RB#0



Date: 30.JUL.2020 22:43:35

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



Date: 30.JUL.2020 22:44:20



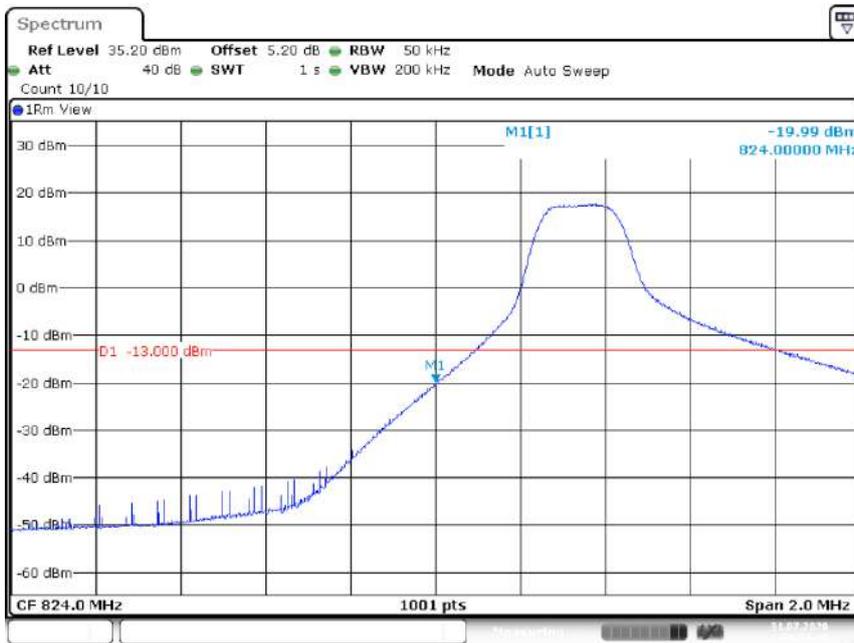
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Band5-5MHz-QPSK-20625-25RB#0



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



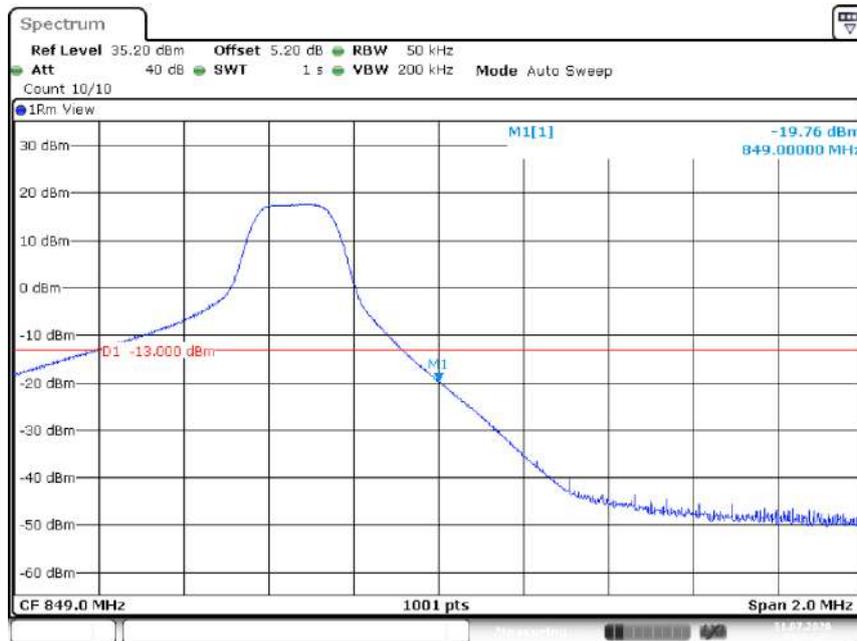
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**Band5-5MHz-64QAM-20425-25RB#0**



Date: 31 JUL 2020 08:33:58

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



Date: 31 JUL 2020 08:34:21



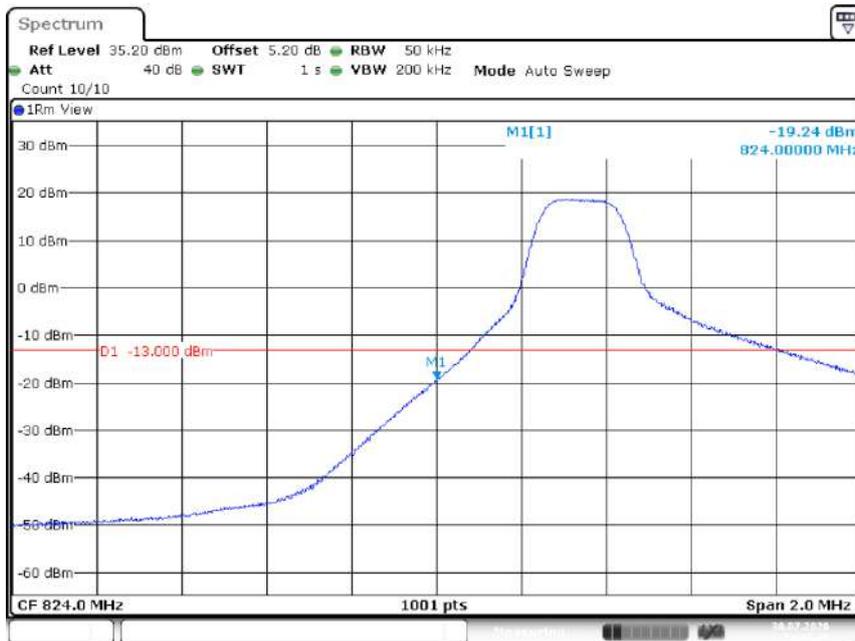
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**Band5-5MHz-64QAM-20625-25RB#0**



Date: 31 JUL 2020 08:34:41

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



Date: 30 JUL 2020 22:43:15



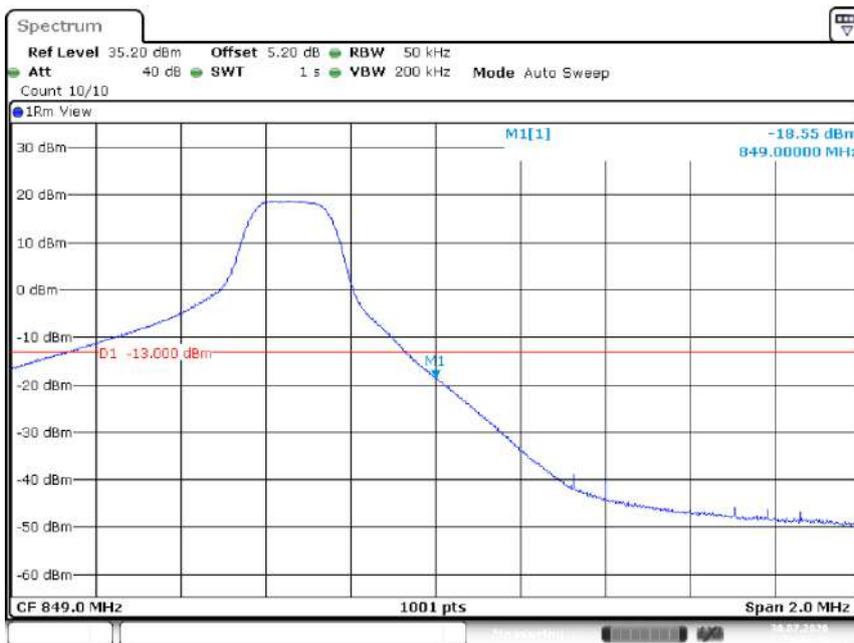
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**Band5-5MHz-16QAM-20425-25RB#0**



Date: 30.JUL.2020 22:43:58

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

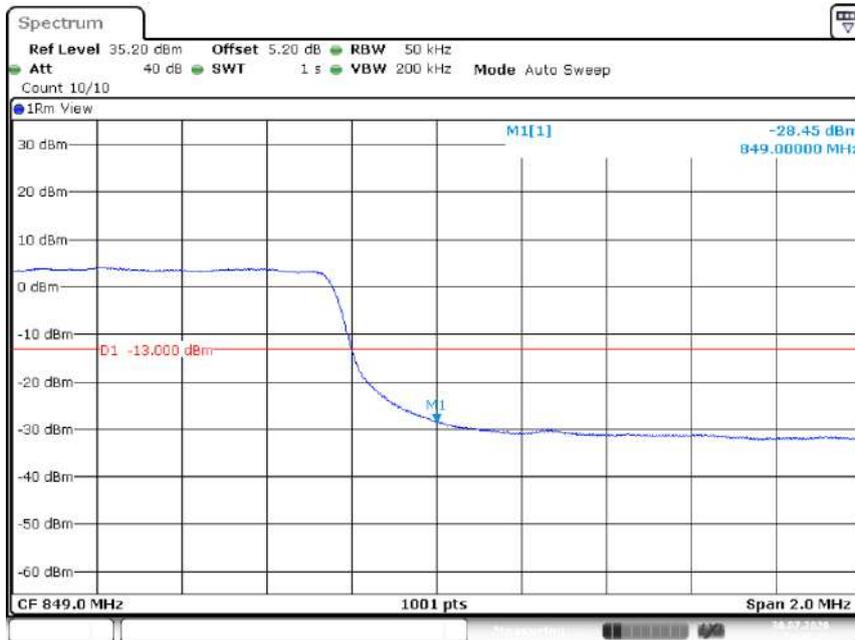


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**Band5-5MHz-16QAM-20625-25RB#0**



Date: 30.JUL.2020 22:45:22

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

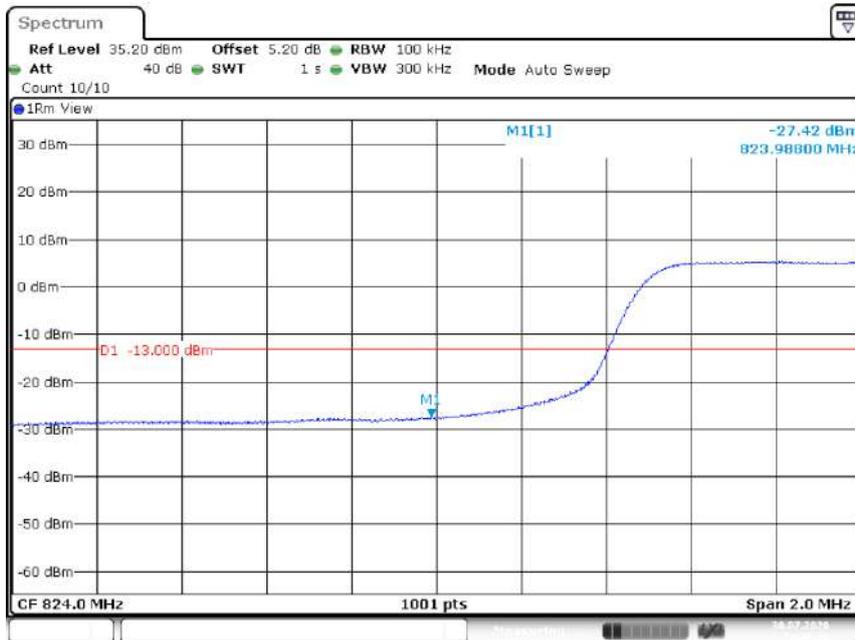


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**Band5-10MHz-QPSK-20450-50RB#0**



Date: 30.JUL.2020 22:46:29

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



Date: 30.JUL.2020 22:47:14



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



Date: 30 JUL 2020 22:47:55

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

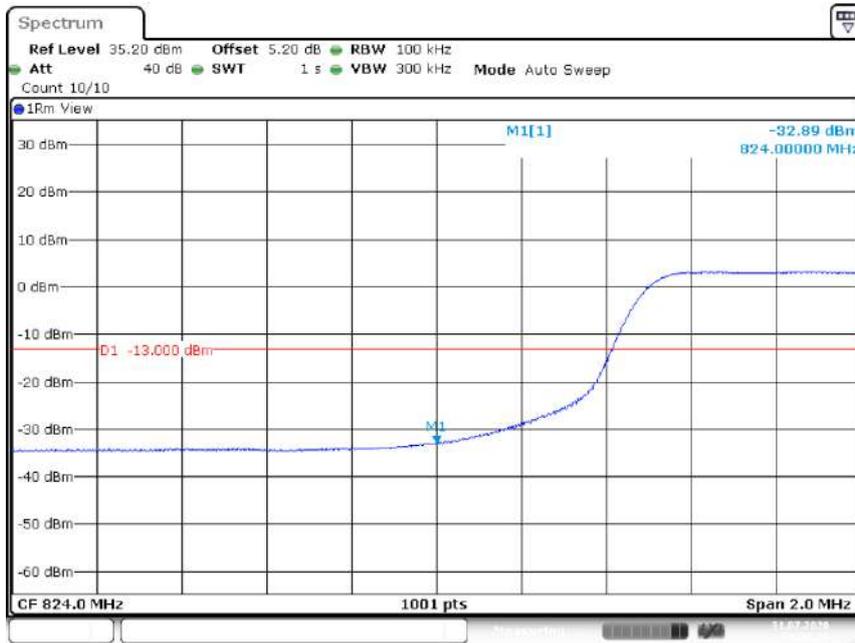


Date: 31 JUL 2020 08:35:07



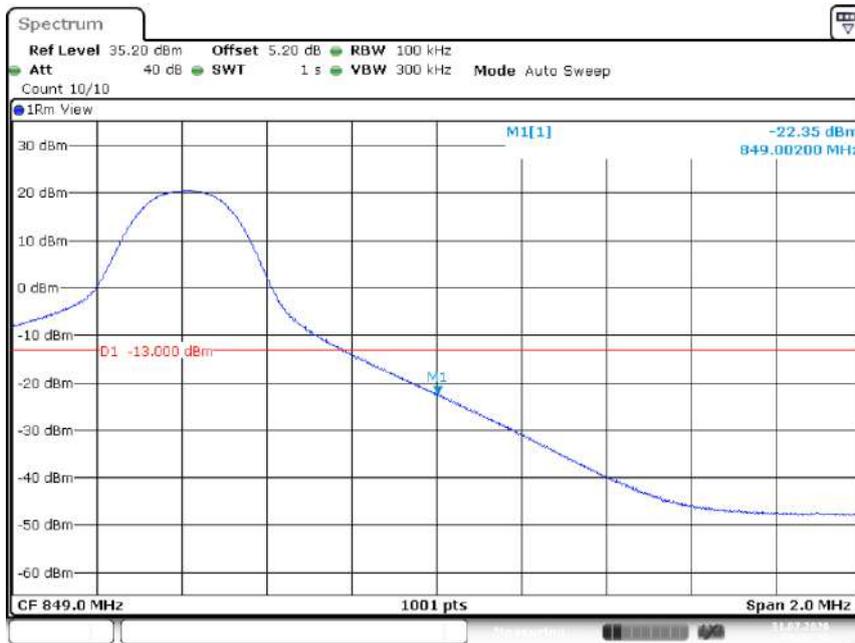
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**Band5-10MHz-64QAM-20450-50RB#0**



Date: 31 JUL 2020 08:35:27

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



Date: 31 JUL 2020 08:35:52



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



Date: 31 JUL 2020 08:36:12

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



Date: 30 JUL 2020 22:46:08



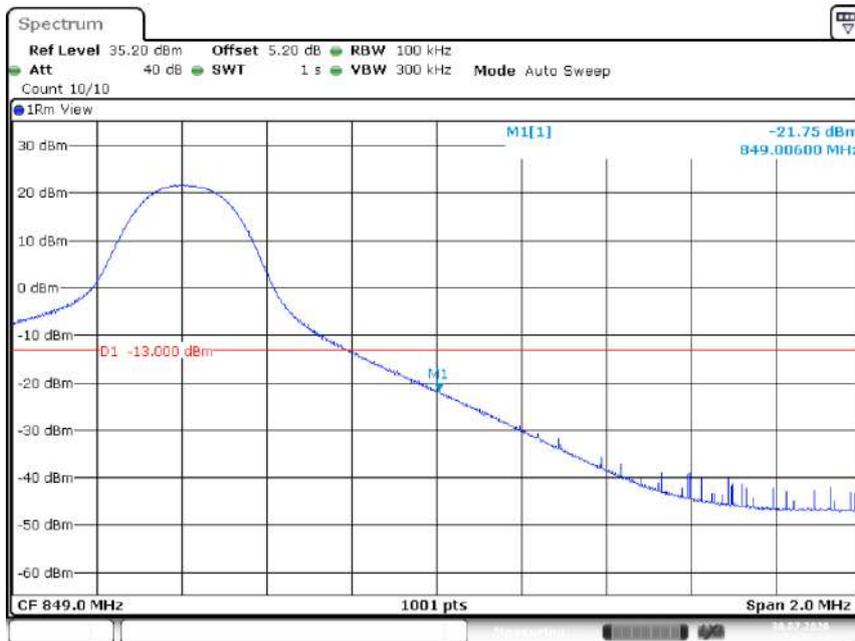
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**Band5-10MHz-16QAM-20450-50RB#0**



Date: 30.JUL.2020 22:48:49

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

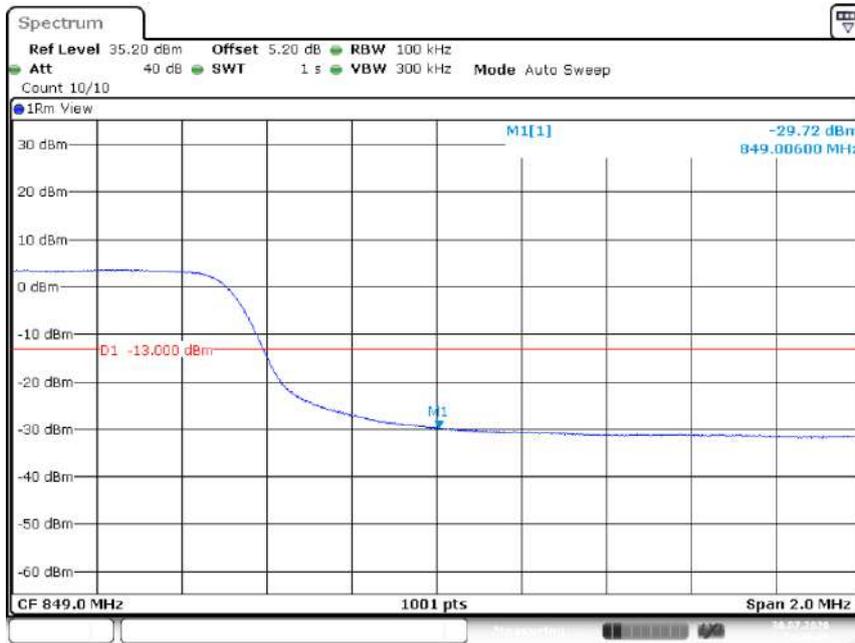


Date: 30.JUL.2020 22:47:35



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



Date: 30.JUL.2020 22:48:16



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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.

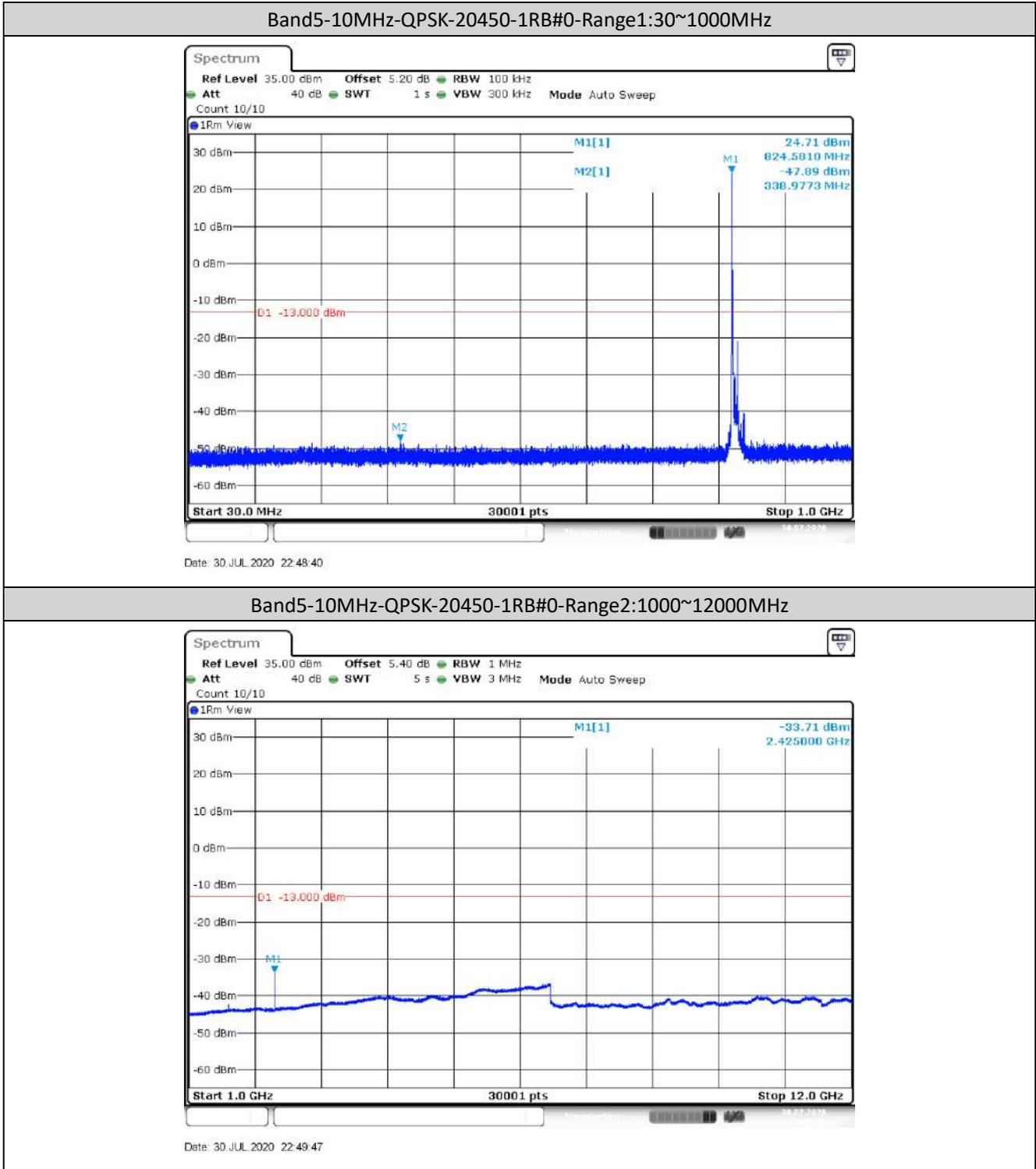
Remark2: only the worst case data displayed in this report.



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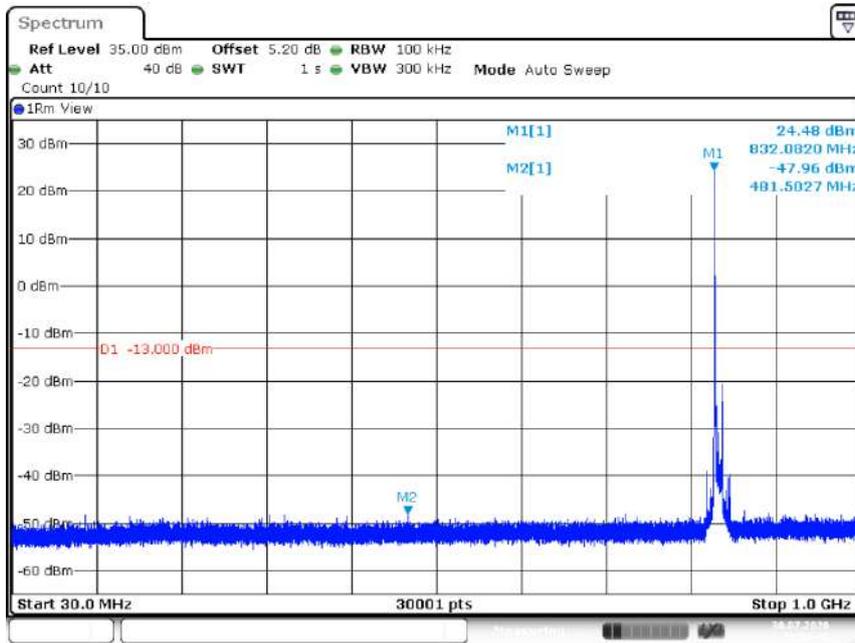
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### 6.1. Test Plots



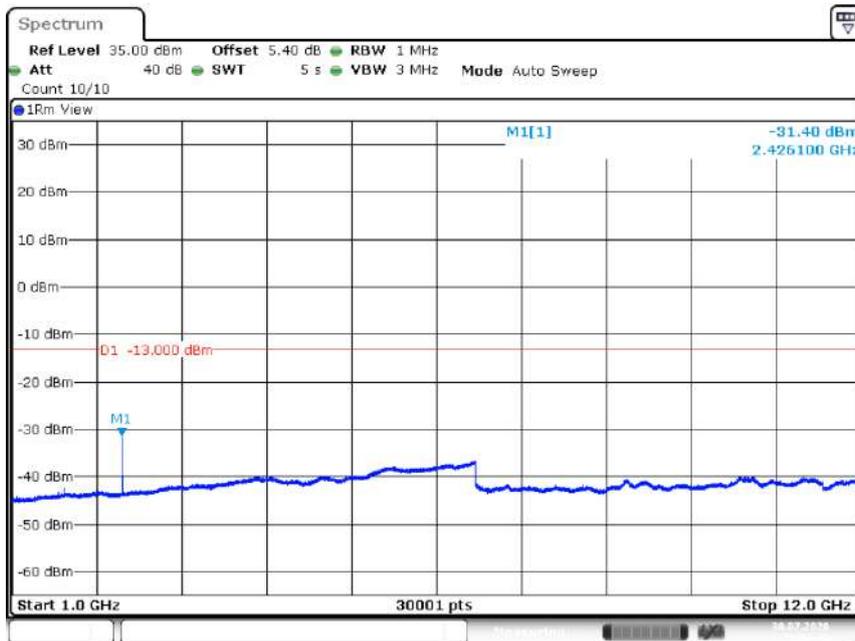
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**Band5-10MHz-QPSK-20525-1RB#0-Range1:30~1000MHz**



Date: 30.JUL.2020 22:51:34

**Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~12000MHz**

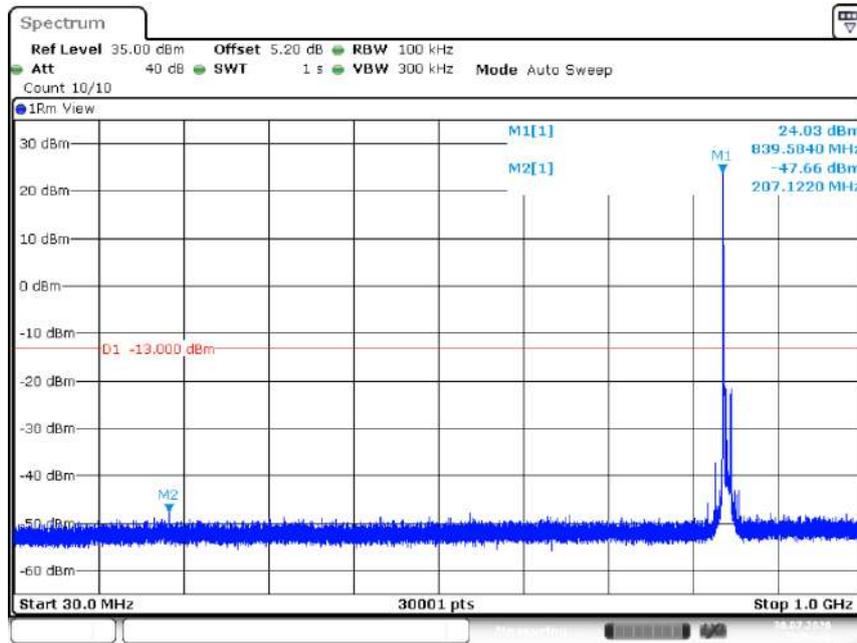


Date: 30.JUL.2020 22:52:42



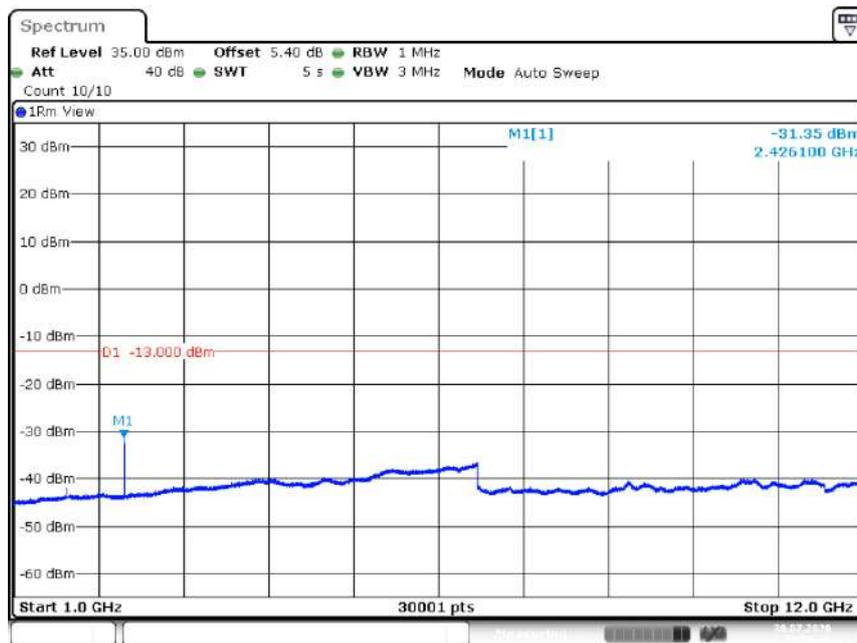
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**Band5-10MHz-QPSK-20600-1RB#0-Range1:30~1000MHz**



Date: 30 JUL 2020 22:54:29

**Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~12000MHz**

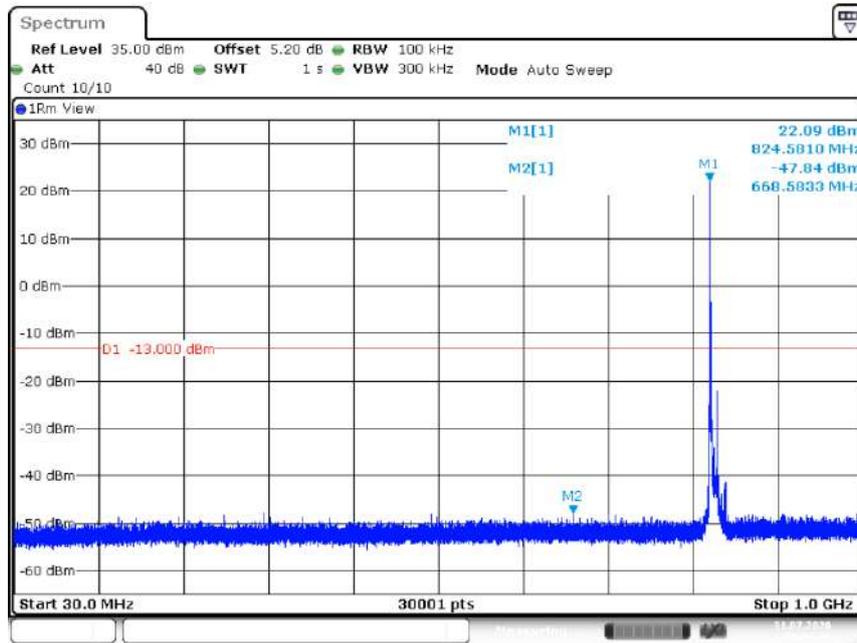


Date: 30 JUL 2020 22:55:36



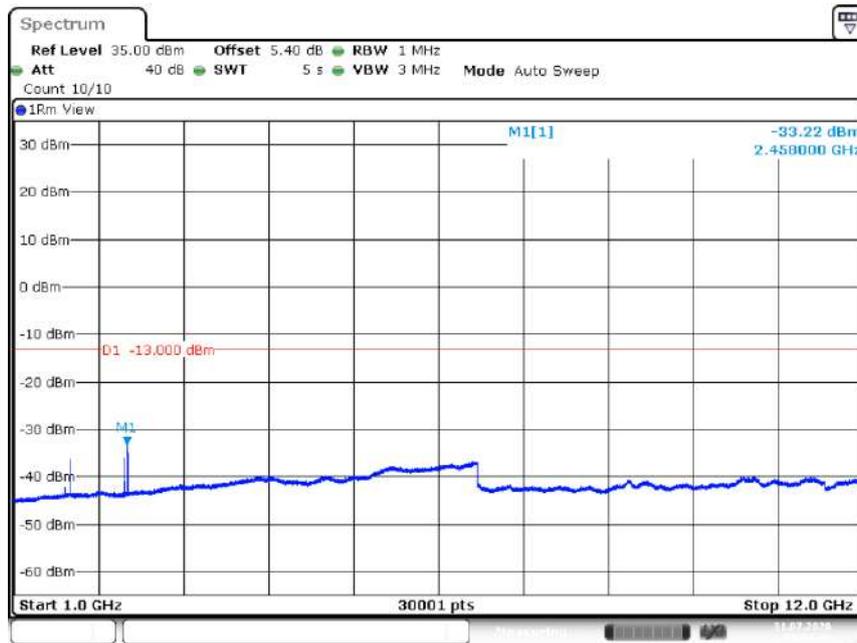
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**Band5-10MHz-64QAM-20450-1RB#0-Range1:30~1000MHz**



Date: 31 JUL 2020 08:36:36

**Band5-10MHz-64QAM-20450-1RB#0-Range2:1000~12000MHz**

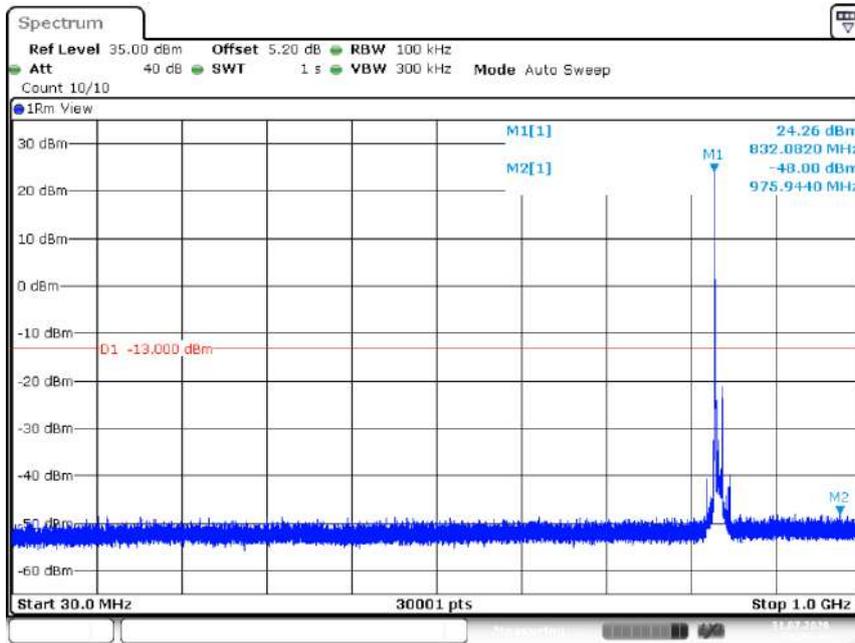


Date: 31 JUL 2020 08:37:44



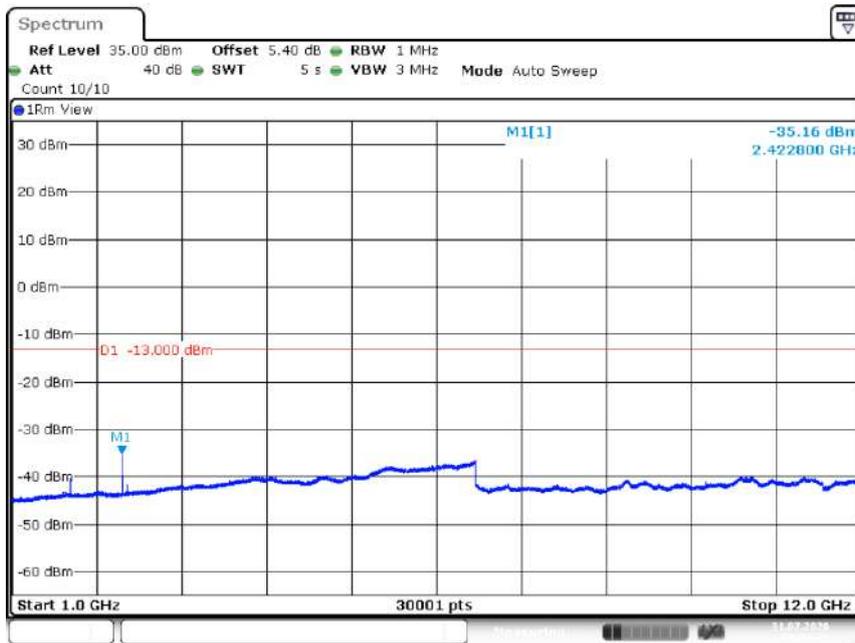
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**Band5-10MHz-64QAM-20525-1RB#0-Range1:30~1000MHz**



Date: 31 JUL 2020 08:38:03

**Band5-10MHz-64QAM-20525-1RB#0-Range2:1000~12000MHz**



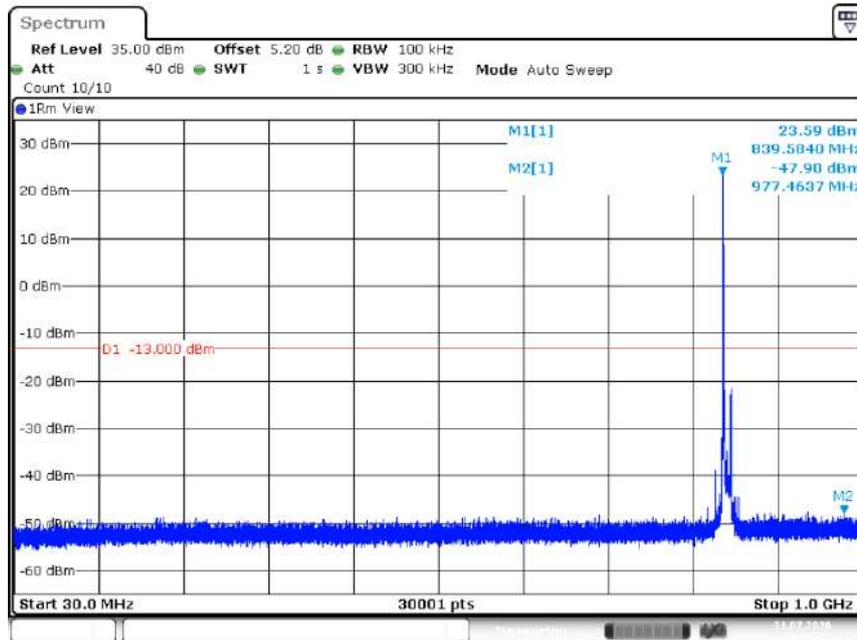
Date: 31 JUL 2020 08:39:11



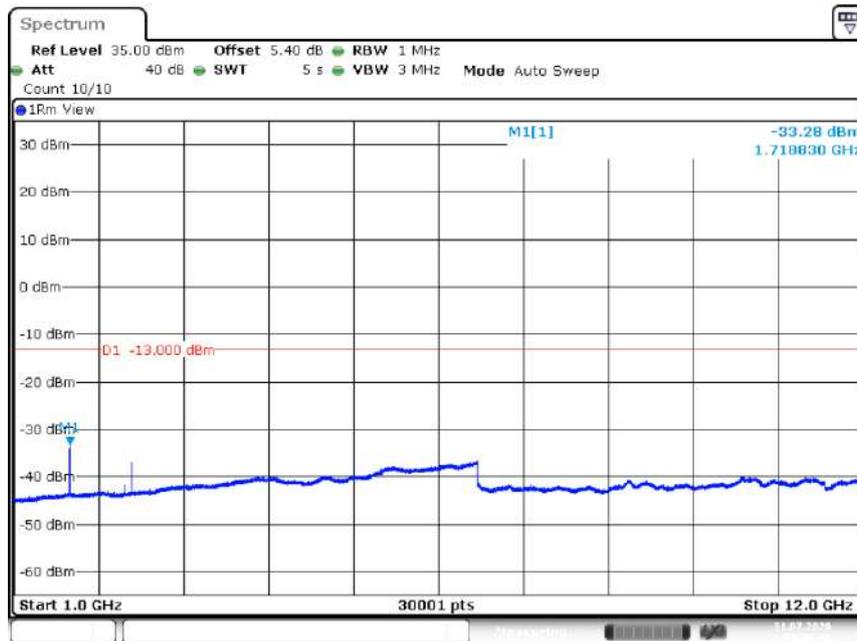
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**Band5-10MHz-64QAM-20600-1RB#0-Range1:30~1000MHz**

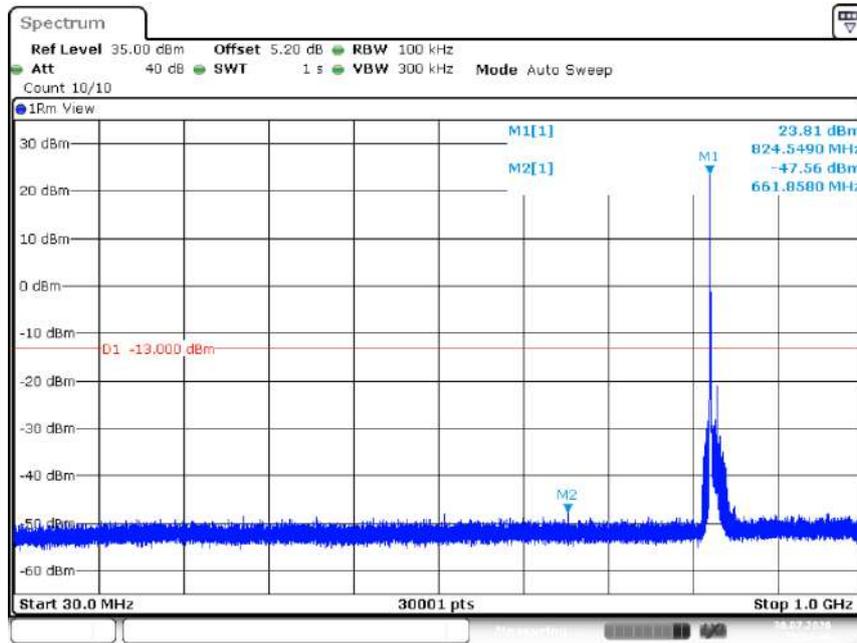


**Band5-10MHz-64QAM-20600-1RB#0-Range2:1000~12000MHz**



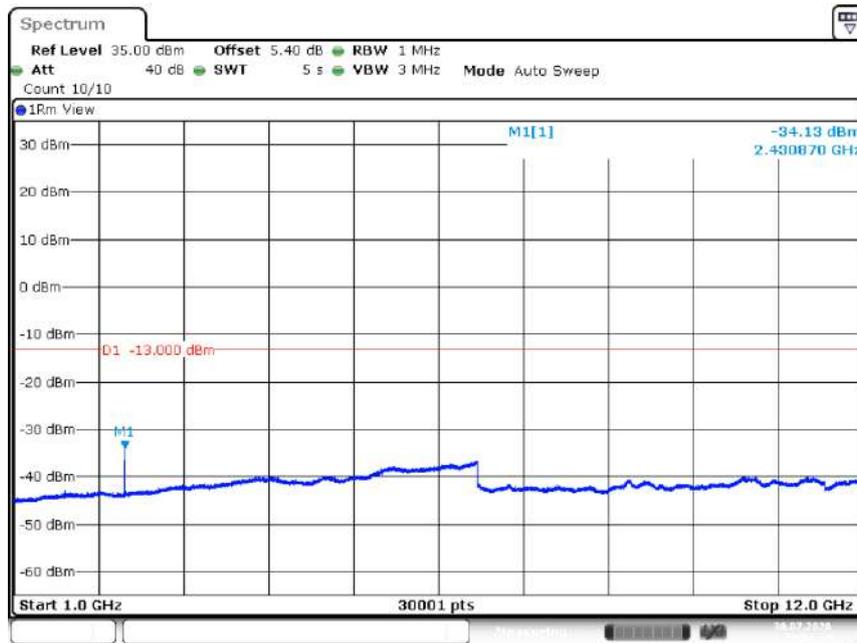
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**Band5-10MHz-16QAM-20450-1RB#0-Range1:30~1000MHz**



Date: 30.JUL.2020 22:50:07

**Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~12000MHz**



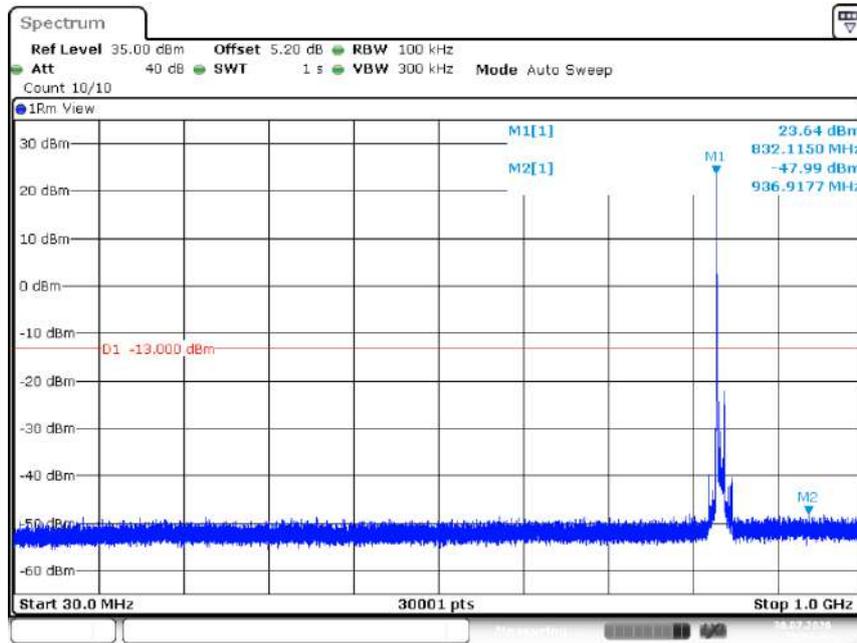
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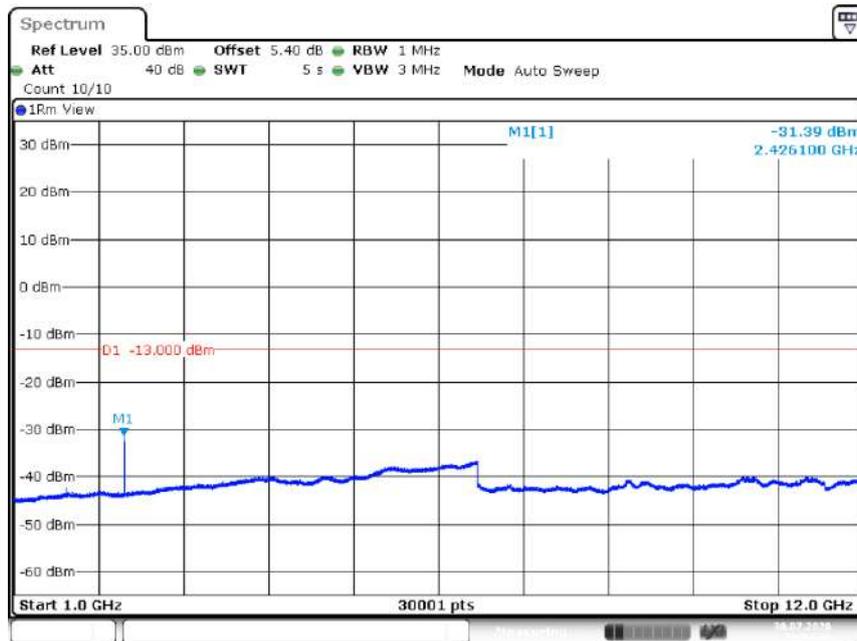
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**Band5-10MHz-16QAM-20525-1RB#0-Range1:30~1000MHz**



Date: 30.JUL.2020 22:53:01

**Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~12000MHz**

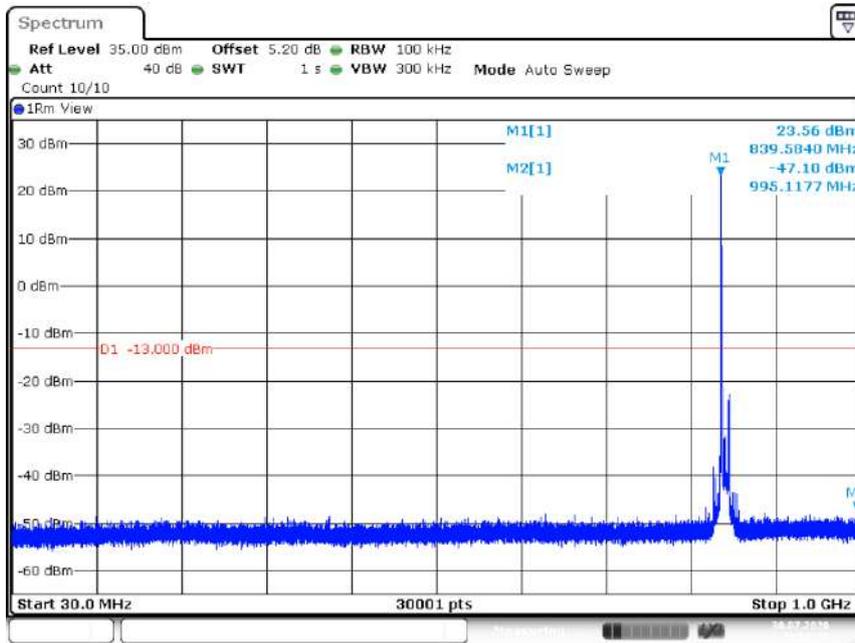


Date: 30.JUL.2020 22:54:09



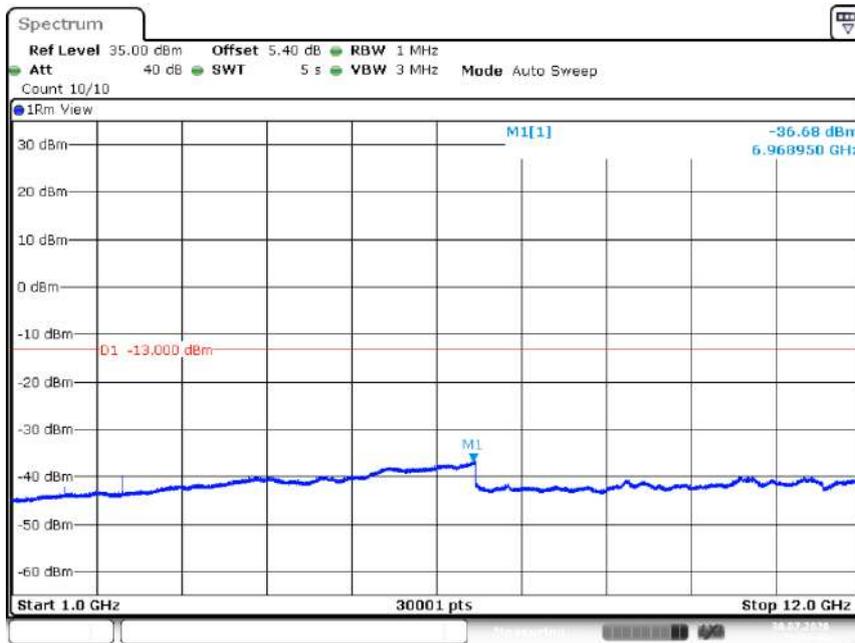
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**Band5-10MHz-16QAM-20600-1RB#0-Range1:30~1000MHz**



Date: 30 JUL 2020 22:55:55

**Band5-10MHz-16QAM-20600-1RB#0-Range2:1000~12000MHz**



Date: 30 JUL 2020 22:57:03



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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)	Height [cm]	Angle [°]	Polarization
50.3710	-70.31	-13.00	57.31	241	131	Vertical
109.7380	-62.46	-13.00	49.46	258	289	Vertical
354.4327	-66.18	-13.00	53.18	256	35	Vertical
1864.5729	-61.58	-13.00	48.58	224	356	Vertical
2699.5399	-57.28	-13.00	44.28	231	256	Vertical
7997.3666	-55.01	-13.00	42.01	258	289	Vertical
45.2783	-62.66	-13.00	49.66	174	226	Horizontal
232.0126	-65.38	-13.00	52.38	198	162	Horizontal
475.5433	-64.51	-13.00	51.51	175	99	Horizontal
1500.1000	-64.75	-13.00	51.75	163	35	Horizontal
2478.2957	-56.43	-13.00	43.43	184	261	Horizontal
8022.5674	-55.81	-13.00	42.81	199	162	Horizontal

#### 7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
49.0130	-71.63	-13.00	58.63	241	353	Vertical
110.1745	-61.93	-13.00	48.93	258	194	Vertical
471.6146	-64.27	-13.00	51.27	265	194	Vertical
1864.9730	-62.68	-13.00	49.68	274	16	Vertical
2407.4815	-57.30	-13.00	44.30	259	270	Vertical
45.1813	-62.87	-13.00	49.87	223	353	Vertical
236.2323	-65.37	-13.00	52.37	165	204	Horizontal
577.9319	-61.34	-13.00	48.34	174	239	Horizontal
1864.9730	-61.54	-13.00	48.54	125	258	Horizontal
2481.8964	-57.05	-13.00	44.05	136	160	Horizontal
7460.9487	-55.91	-13.00	42.91	192	8	Horizontal



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### 7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
51.4381	-70.58	-13.00	57.58	247	228	Vertical
112.4056	-63.01	-13.00	50.01	165	260	Vertical
356.6638	-66.40	-13.00	53.40	184	359	Vertical
1699.7399	-63.00	-13.00	50.00	259	176	Vertical
2681.5363	-57.59	-13.00	44.59	247	317	Vertical
7447.3482	-55.10	-13.00	42.10	226	359	Vertical
42.1256	-62.90	-13.00	49.90	187	4	Horizontal
83.4982	-72.07	-13.00	59.07	165	258	Horizontal
242.6831	-65.34	-13.00	52.34	184	67	Horizontal
1864.9730	-61.50	-13.00	48.50	195	7	Horizontal
2700.3401	-56.08	-13.00	43.08	175	62	Horizontal
8034.1678	-55.35	-13.00	42.35	169	353	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	-1.90	-0.002292	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	-6.00	-0.007238	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	-5.70	-0.006876	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-5.30	-0.006336	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-6.30	-0.007531	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-7.90	-0.009444	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	-2.80	-0.003318	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	-4.70	-0.005569	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	-6.00	-0.007109	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VL	NT	-1.50	-0.001809	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VN	NT	-5.50	-0.006634	±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	-10.00	-0.011955	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VN	NT	-7.80	-0.009325	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VH	NT	-6.10	-0.007292	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VL	NT	-2.00	-0.002370	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VN	NT	-0.50	-0.000592	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VH	NT	-7.70	-0.009123	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	-3.80	-0.004584	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	-3.90	-0.004704	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	-5.50	-0.006634	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	-7.40	-0.008846	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	-10.30	-0.012313	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	-1.90	-0.002271	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VL	NT	-5.20	-0.006161	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VN	NT	-5.00	-0.005924	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	-6.10	-0.007227	±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	-7.80	-0.009409	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	-7.40	-0.008926	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	-3.65	-0.004403	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	-0.70	-0.000844	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	-8.60	-0.010374	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	-2.90	-0.003498	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	-1.70	-0.002051	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	-2.70	-0.003257	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	-7.50	-0.009047	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-6.50	-0.007770	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-2.80	-0.003347	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-6.66	-0.007962	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-9.50	-0.011357	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-2.60	-0.003108	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-7.80	-0.009325	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-5.30	-0.006336	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-6.90	-0.008249	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-8.50	-0.010161	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-8.00	-0.009479	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	-4.40	-0.005213	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	-3.90	-0.004621	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	-2.80	-0.003318	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	-13.10	-0.015521	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	-8.80	-0.010427	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	-8.60	-0.010190	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	-3.00	-0.003555	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	-9.60	-0.011374	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-30	-5.50	-0.006634	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-20	-4.50	-0.005428	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-10	-2.75	-0.003317	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	0	-2.10	-0.002533	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	10	-7.30	-0.008806	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	20	-8.20	-0.009891	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	30	-8.30	-0.010012	±2.5	PASS



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Band5	10MHz	64QAM	20450	50RB#0	NV	40	-2.30	-0.002774	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	50	-8.60	-0.010374	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-30	-7.70	-0.009205	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-20	-9.00	-0.010759	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-10	-9.86	-0.011787	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	0	-8.20	-0.009803	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	10	-10.10	-0.012074	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	20	-5.90	-0.007053	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	30	-10.20	-0.012194	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	40	-6.80	-0.008129	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	50	-9.40	-0.011237	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-30	-5.20	-0.006161	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-20	-10.10	-0.011967	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-10	-6.45	-0.007642	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	0	-1.50	-0.001777	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	10	-1.10	-0.001303	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	20	-10.30	-0.012204	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	30	-8.10	-0.009597	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	40	-6.30	-0.007464	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	50	-4.50	-0.005332	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	-3.50	-0.004222	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	-4.40	-0.005308	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-10	-8.04	-0.009698	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	-14.10	-0.017008	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	-3.90	-0.004704	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	-3.90	-0.004704	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	30	-9.70	-0.011701	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	40	-8.00	-0.009650	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	50	-1.50	-0.001809	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-30	-5.80	-0.006934	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-20	-5.80	-0.006934	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-10	-7.35	-0.008787	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	-5.60	-0.006695	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	-8.20	-0.009803	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	-7.10	-0.008488	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	30	-7.40	-0.008846	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	40	-3.60	-0.004304	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	50	-5.30	-0.006336	±2.5	PASS



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Band5	10MHz	16QAM	20600	50RB#0	NV	-30	-1.50	-0.001777	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	-4.60	-0.005450	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-10	-5.52	-0.006540	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	-6.50	-0.007701	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	-3.90	-0.004621	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	-5.30	-0.006280	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	30	-6.80	-0.008057	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	40	-2.20	-0.002607	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	50	-6.40	-0.007583	±2.5	PASS



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