

Appendix B

E-UTRA Band 5



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.40	22.57	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.39	22.56	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.44	22.61	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.45	22.62	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.45	22.62	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.43	22.6	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.42	21.59	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.39	22.56	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.42	22.59	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.41	22.58	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.41	22.58	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.43	22.6	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.42	22.59	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.42	21.59	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.33	22.5	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.30	22.47	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.33	22.5	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.34	22.51	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.36	22.53	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.39	22.56	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.36	21.53	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	21.73	20.9	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.70	20.87	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.65	20.82	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#3	21.71	20.88	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#0	21.72	20.89	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#1	21.70	20.87	38.45	PASS



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Band5	1.4MHz	64QAM	20407	6RB#0	20.59	19.76	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	21.65	20.82	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	21.70	20.87	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	21.65	20.82	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#3	21.69	20.86	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#1	21.70	20.87	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#0	21.73	20.9	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.58	19.75	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.73	20.9	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.65	20.82	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.67	20.84	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#0	21.67	20.84	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#3	21.64	20.81	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#1	21.67	20.84	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.52	19.69	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#0	18.67	17.84	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#2	18.70	17.87	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#5	18.73	17.9	38.45	PASS
Band5	1.4MHz	256QAM	20407	3RB#3	18.52	17.69	38.45	PASS
Band5	1.4MHz	256QAM	20407	3RB#0	18.60	17.77	38.45	PASS
Band5	1.4MHz	256QAM	20407	3RB#1	18.57	17.74	38.45	PASS
Band5	1.4MHz	256QAM	20407	6RB#0	18.52	17.69	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#0	18.74	17.91	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#2	18.72	17.89	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#5	18.66	17.83	38.45	PASS
Band5	1.4MHz	256QAM	20525	3RB#0	18.59	17.76	38.45	PASS
Band5	1.4MHz	256QAM	20525	3RB#1	18.57	17.74	38.45	PASS
Band5	1.4MHz	256QAM	20525	3RB#3	18.55	17.72	38.45	PASS
Band5	1.4MHz	256QAM	20525	6RB#0	18.49	17.66	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#5	18.57	17.74	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#0	18.59	17.76	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#2	18.67	17.84	38.45	PASS
Band5	1.4MHz	256QAM	20643	3RB#1	18.49	17.66	38.45	PASS



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Band5	1.4MHz	256QAM	20643	3RB#3	18.50	17.67	38.45	PASS
Band5	1.4MHz	256QAM	20643	3RB#0	18.49	17.66	38.45	PASS
Band5	1.4MHz	256QAM	20643	6RB#0	18.47	17.64	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.62	21.79	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.74	21.91	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.69	21.86	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.51	21.68	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.54	21.71	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.48	21.65	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.46	20.63	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.73	21.9	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.68	21.85	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.73	21.9	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.51	21.68	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.48	21.65	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.41	21.58	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.45	20.62	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.57	21.74	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.58	21.75	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.59	21.76	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.48	21.65	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.40	21.57	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.46	21.63	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.36	20.53	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.42	22.59	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.43	22.6	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.42	22.59	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.44	21.61	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.42	21.59	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.42	21.59	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.40	21.57	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.38	22.55	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.36	22.53	38.45	PASS



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Band5	3MHz	QPSK	20525	1RB#8	23.42	22.59	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.40	21.57	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.36	21.53	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.42	21.59	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.37	21.54	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.31	22.48	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.31	22.48	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.33	22.5	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.36	21.53	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.34	21.51	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.30	21.47	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.33	21.5	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.74	20.91	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.74	20.91	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.71	20.88	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#0	20.57	19.74	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#4	20.56	19.73	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#7	20.58	19.75	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.53	19.7	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.68	20.85	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	21.70	20.87	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	21.73	20.9	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#7	20.56	19.73	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#4	20.58	19.75	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#0	20.53	19.7	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.61	19.78	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	21.64	20.81	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.65	20.82	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.67	20.84	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#7	20.50	19.67	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#4	20.57	19.74	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#0	20.55	19.72	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.55	19.72	38.45	PASS



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Band5	3MHz	256QAM	20415	1RB#0	18.72	17.89	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#8	18.75	17.92	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#14	18.67	17.84	38.45	PASS
Band5	3MHz	256QAM	20415	8RB#0	18.51	17.68	38.45	PASS
Band5	3MHz	256QAM	20415	8RB#4	18.52	17.69	38.45	PASS
Band5	3MHz	256QAM	20415	8RB#7	18.51	17.68	38.45	PASS
Band5	3MHz	256QAM	20415	15RB#0	18.51	17.68	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#0	18.68	17.85	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#14	18.63	17.8	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#8	18.63	17.8	38.45	PASS
Band5	3MHz	256QAM	20525	8RB#7	18.56	17.73	38.45	PASS
Band5	3MHz	256QAM	20525	8RB#0	18.52	17.69	38.45	PASS
Band5	3MHz	256QAM	20525	8RB#4	18.50	17.67	38.45	PASS
Band5	3MHz	256QAM	20525	15RB#0	18.52	17.69	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#14	18.54	17.71	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#0	18.67	17.84	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#8	18.57	17.74	38.45	PASS
Band5	3MHz	256QAM	20635	8RB#0	18.51	17.68	38.45	PASS
Band5	3MHz	256QAM	20635	8RB#7	18.45	17.62	38.45	PASS
Band5	3MHz	256QAM	20635	8RB#4	18.47	17.64	38.45	PASS
Band5	3MHz	256QAM	20635	15RB#0	18.50	17.67	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.64	21.81	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.72	21.89	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.78	21.95	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.43	20.6	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.49	20.66	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.45	20.62	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.35	20.52	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.59	21.76	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.64	21.81	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.56	21.73	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.43	20.6	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.38	20.55	38.45	PASS



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Band5	3MHz	16QAM	20525	8RB#4	21.45	20.62	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.36	20.53	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.58	21.75	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.48	21.65	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.60	21.77	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.36	20.53	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.35	20.52	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.31	20.48	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.31	20.48	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.45	22.62	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.44	22.61	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.45	22.62	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.43	21.6	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.45	21.62	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.44	21.61	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.43	21.6	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.44	22.61	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.47	22.64	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.38	22.55	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.45	21.62	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.41	21.58	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.41	21.58	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.42	21.59	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.34	22.51	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.34	22.51	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.37	22.54	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.23	21.4	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.36	21.53	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.45	21.62	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.39	21.56	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	21.78	20.95	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.77	20.94	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.66	20.83	38.45	PASS



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Band5	5MHz	64QAM	20425	12RB#0	20.59	19.76	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#6	20.59	19.76	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#13	20.60	19.77	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.61	19.78	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.82	20.99	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.72	20.89	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.68	20.85	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#0	20.63	19.8	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#13	20.52	19.69	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#6	20.60	19.77	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.64	19.81	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	21.73	20.9	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	21.75	20.92	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.64	20.81	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#0	20.63	19.8	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#6	20.53	19.7	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#13	20.46	19.63	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.53	19.7	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#24	18.71	17.88	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#12	18.67	17.84	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#0	18.69	17.86	38.45	PASS
Band5	5MHz	256QAM	20425	12RB#0	18.49	17.66	38.45	PASS
Band5	5MHz	256QAM	20425	12RB#13	18.52	17.69	38.45	PASS
Band5	5MHz	256QAM	20425	12RB#6	18.50	17.67	38.45	PASS
Band5	5MHz	256QAM	20425	25RB#0	18.54	17.71	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#24	18.71	17.88	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#12	18.76	17.93	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#0	18.78	17.95	38.45	PASS
Band5	5MHz	256QAM	20525	12RB#6	18.53	17.7	38.45	PASS
Band5	5MHz	256QAM	20525	12RB#0	18.59	17.76	38.45	PASS
Band5	5MHz	256QAM	20525	12RB#13	18.48	17.65	38.45	PASS
Band5	5MHz	256QAM	20525	25RB#0	18.60	17.77	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#12	18.64	17.81	38.45	PASS



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Band5	5MHz	256QAM	20625	1RB#0	18.69	17.86	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#24	18.64	17.81	38.45	PASS
Band5	5MHz	256QAM	20625	12RB#13	18.34	17.51	38.45	PASS
Band5	5MHz	256QAM	20625	12RB#6	18.49	17.66	38.45	PASS
Band5	5MHz	256QAM	20625	12RB#0	18.56	17.73	38.45	PASS
Band5	5MHz	256QAM	20625	25RB#0	18.48	17.65	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.72	21.89	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.69	21.86	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.78	21.95	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.42	20.59	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.41	20.58	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.41	20.58	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.41	20.58	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.63	21.8	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.63	21.8	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.53	21.7	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.36	20.53	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.42	20.59	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.38	20.55	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.45	20.62	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.57	21.74	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.64	21.81	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.43	21.6	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.37	20.54	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.37	20.54	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.25	20.42	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.31	20.48	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.42	22.59	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.47	22.64	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.37	22.54	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.40	21.57	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.44	21.61	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.32	21.49	38.45	PASS



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Band5	10MHz	QPSK	20450	50RB#0	22.38	21.55	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.42	22.59	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.36	22.53	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.39	22.56	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.49	21.66	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.40	21.57	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.43	21.6	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.50	21.67	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.38	22.55	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.38	22.55	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.34	22.51	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.36	21.53	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.36	21.53	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.26	21.43	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.30	21.47	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.68	20.85	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.74	20.91	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.69	20.86	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#25	20.49	19.66	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#12	20.58	19.75	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#0	20.59	19.76	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.53	19.7	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.65	20.82	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.71	20.88	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	21.71	20.88	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#25	20.62	19.79	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#0	20.67	19.84	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#12	20.58	19.75	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.66	19.83	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.70	20.87	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.68	20.85	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	21.67	20.84	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#12	20.55	19.72	38.45	PASS



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Band5	10MHz	64QAM	20600	25RB#0	20.49	19.66	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#25	20.45	19.62	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.47	19.64	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#0	18.64	17.81	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#49	18.64	17.81	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#24	18.74	17.91	38.45	PASS
Band5	10MHz	256QAM	20450	25RB#25	18.51	17.68	38.45	PASS
Band5	10MHz	256QAM	20450	25RB#12	18.54	17.71	38.45	PASS
Band5	10MHz	256QAM	20450	25RB#0	18.55	17.72	38.45	PASS
Band5	10MHz	256QAM	20450	50RB#0	18.53	17.7	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#0	18.73	17.9	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#24	18.79	17.96	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#49	18.69	17.86	38.45	PASS
Band5	10MHz	256QAM	20525	25RB#0	18.64	17.81	38.45	PASS
Band5	10MHz	256QAM	20525	25RB#12	18.58	17.75	38.45	PASS
Band5	10MHz	256QAM	20525	25RB#25	18.59	17.76	38.45	PASS
Band5	10MHz	256QAM	20525	50RB#0	18.61	17.78	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#24	18.66	17.83	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#49	18.63	17.8	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#0	18.68	17.85	38.45	PASS
Band5	10MHz	256QAM	20600	25RB#0	18.44	17.61	38.45	PASS
Band5	10MHz	256QAM	20600	25RB#25	18.47	17.64	38.45	PASS
Band5	10MHz	256QAM	20600	25RB#12	18.55	17.72	38.45	PASS
Band5	10MHz	256QAM	20600	50RB#0	18.46	17.63	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.72	21.89	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.65	21.82	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.58	21.75	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.42	20.59	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.35	20.52	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.43	20.6	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.38	20.55	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.62	21.79	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.64	21.81	38.45	PASS



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Band5	10MHz	16QAM	20525	1RB#49	22.59	21.76	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.42	20.59	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.45	20.62	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.37	20.54	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.40	20.57	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.56	21.73	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.65	21.82	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.48	21.65	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.36	20.53	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.32	20.49	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.20	20.37	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.30	20.47	38.45	PASS

Remark:

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

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

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

The conducted Power is measured by Base Station Simulator



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2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	5.59	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.83	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.57	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.12	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.49	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.41	13	PASS
Band5	10MHz	256QAM	20450	50RB#0	6.29	13	PASS
Band5	10MHz	256QAM	20525	50RB#0	6.52	13	PASS
Band5	10MHz	256QAM	20600	50RB#0	6.41	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.17	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.38	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.20	13	PASS

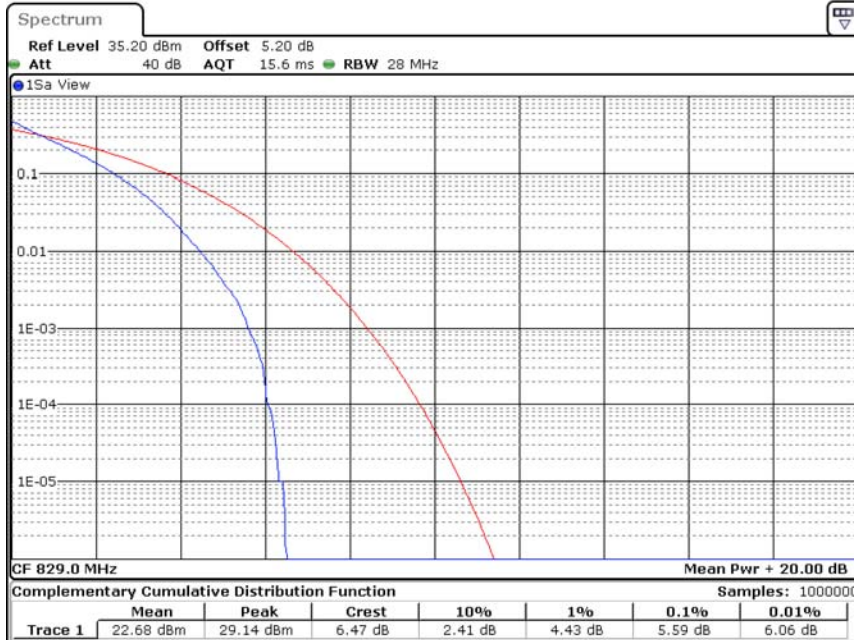


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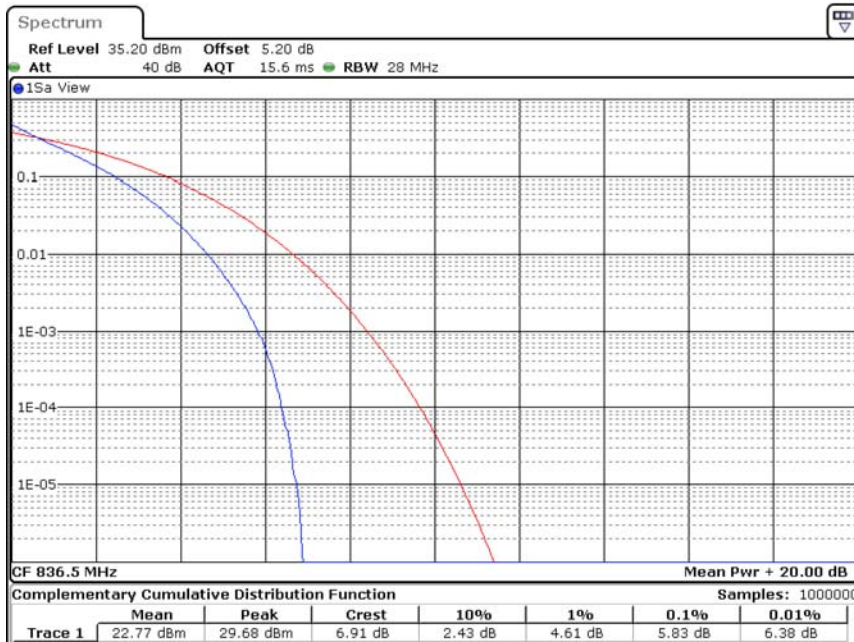
2.2. Test Plots

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



Date: 16.MAY.2021 11:35:37

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

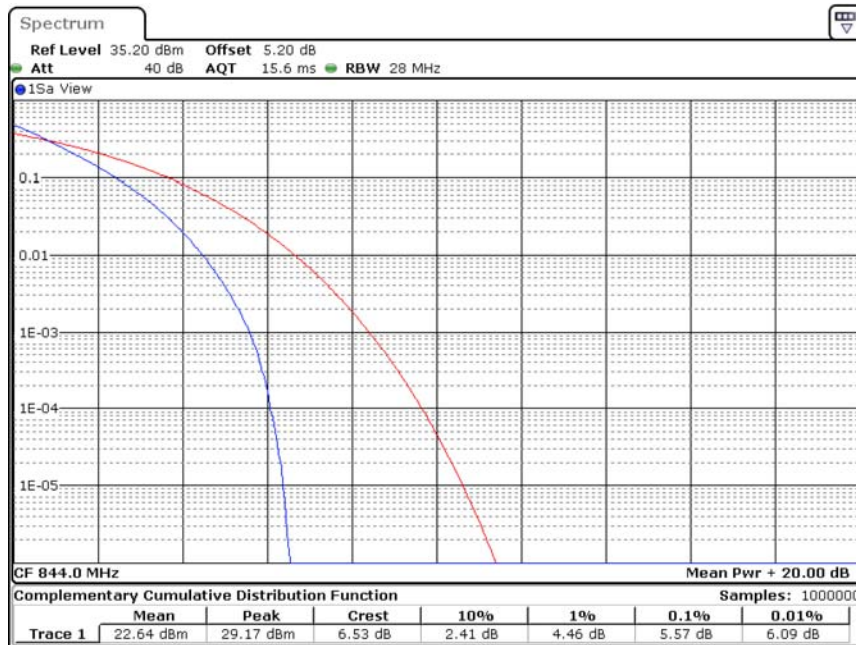


Date: 16.MAY.2021 11:36:00



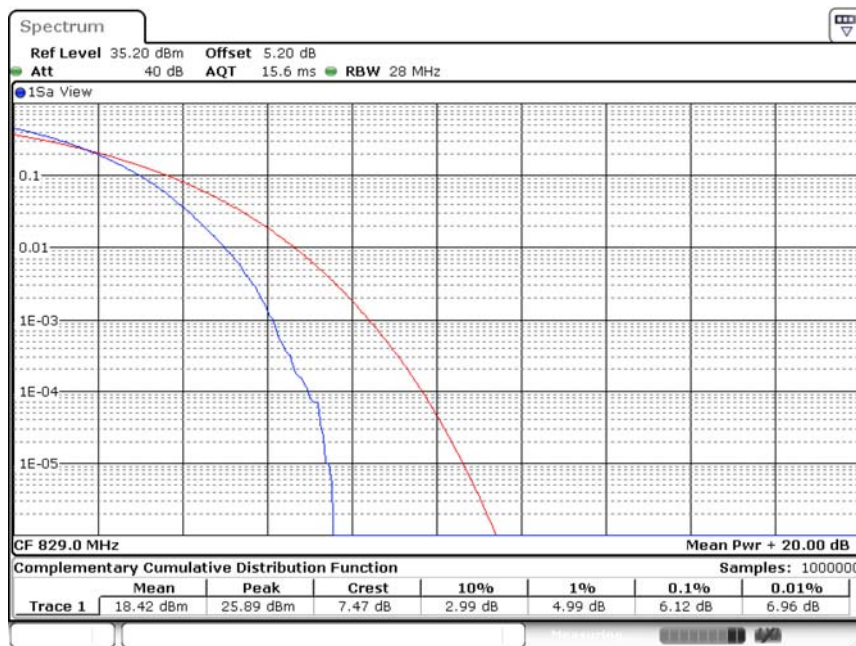
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Band5-10MHz-QPSK-20600-50RB#0



Date: 16.MAY.2021 11:36:23

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

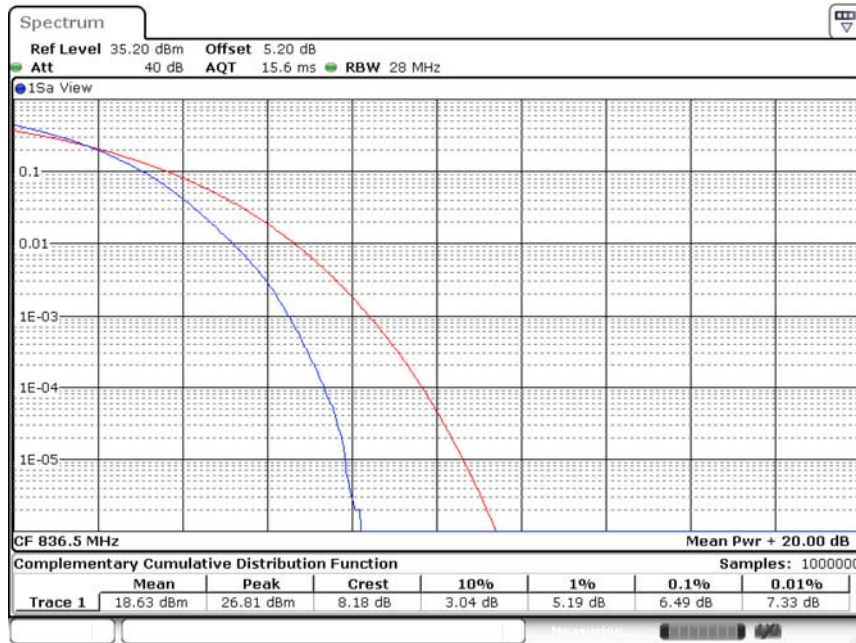


Date: 5.MAY.2021 04:49:15



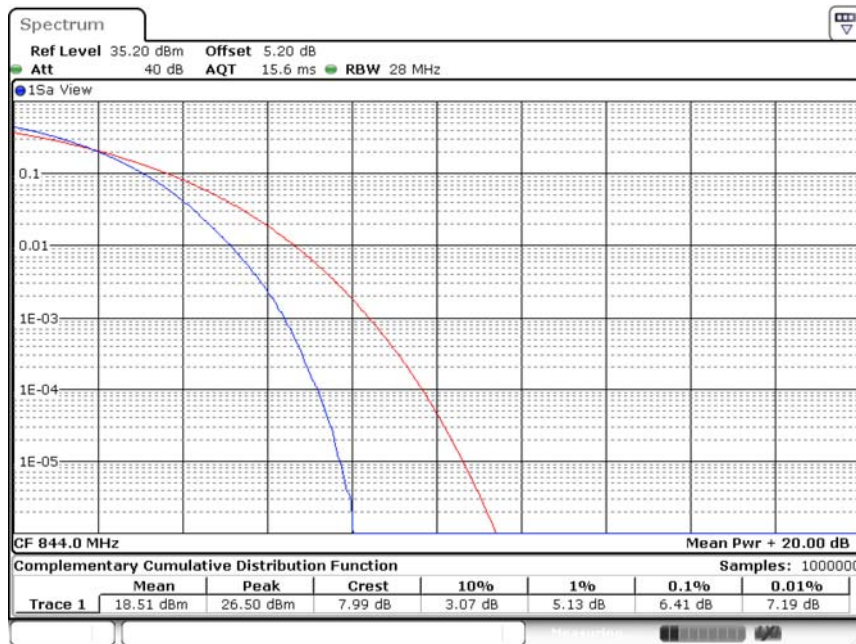
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Band5-10MHz-64QAM-20525-50RB#0



Date: 5.MAY.2021 04:49:26

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



Date: 5.MAY.2021 04:49:38



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



Date: 7.MAY.2021 03:19:29

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

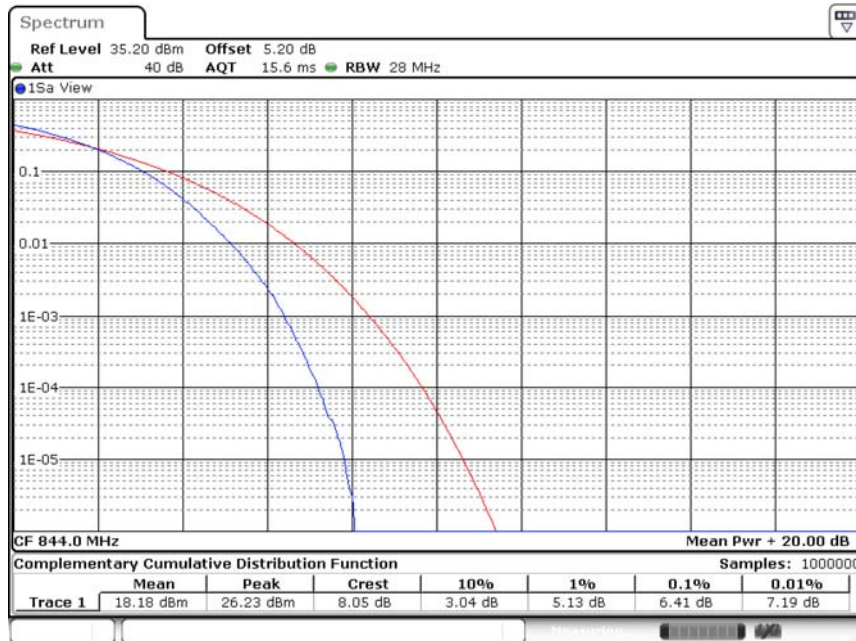


Date: 7.MAY.2021 03:19:40



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



Date: 7.MAY.2021 03:19:52

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



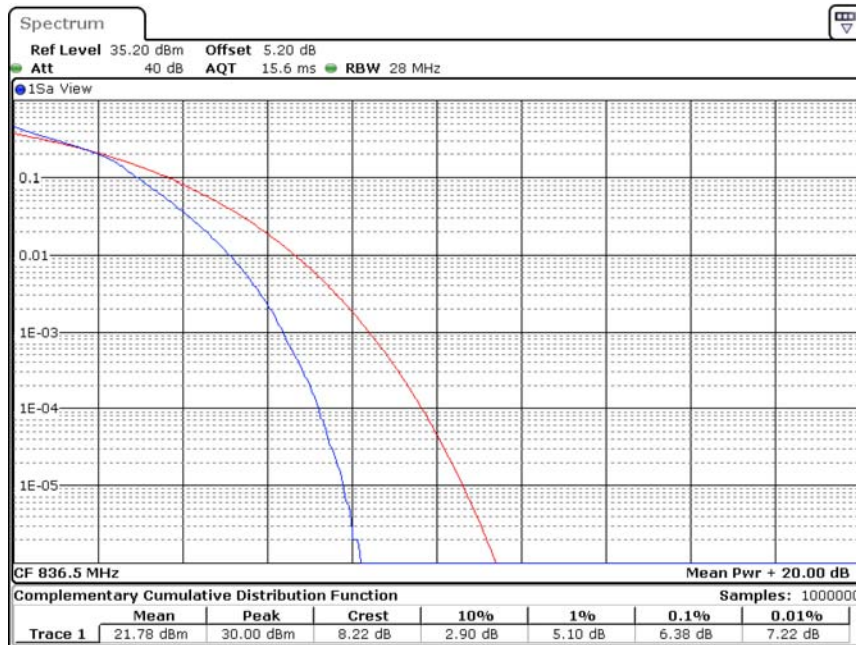
Date: 16.MAY.2021 11:35:49



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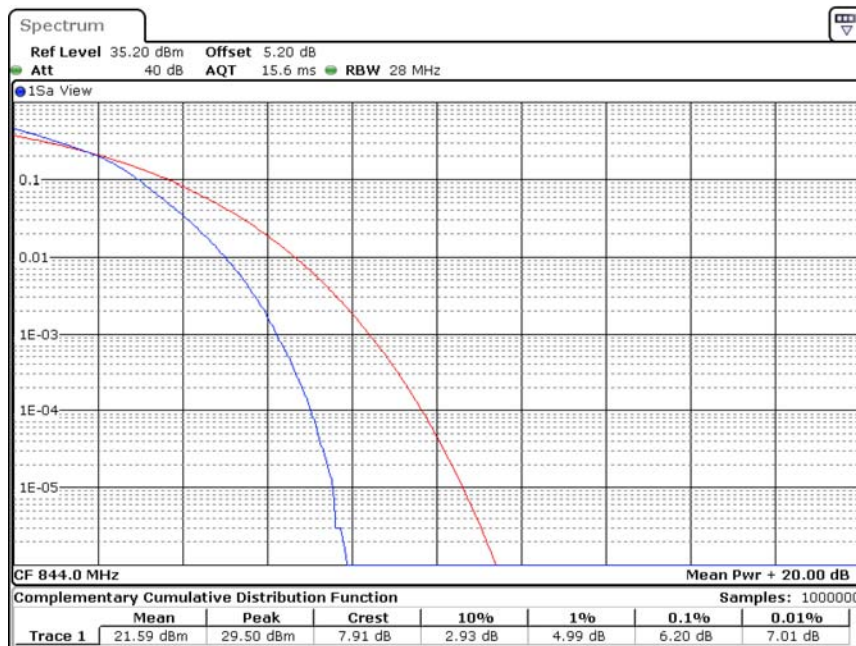
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Band5-10MHz-16QAM-20525-50RB#0



Date: 16.MAY.2021 11:36:11

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



Date: 16.MAY.2021 11:36:34

Remark: all modulation and all Bandwidth had been tested, but only the worst configuration was displayed in this report.

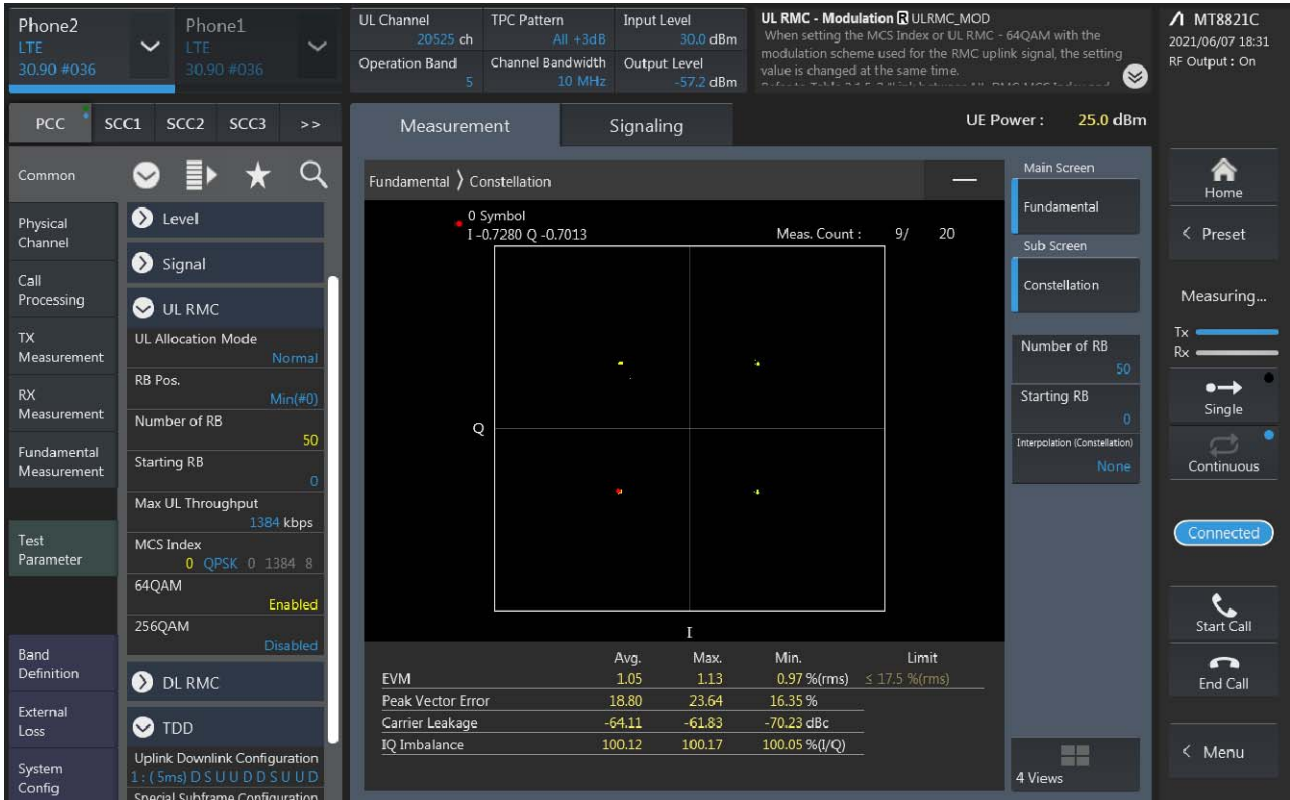


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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

3.1.1. Test Channel = MCH

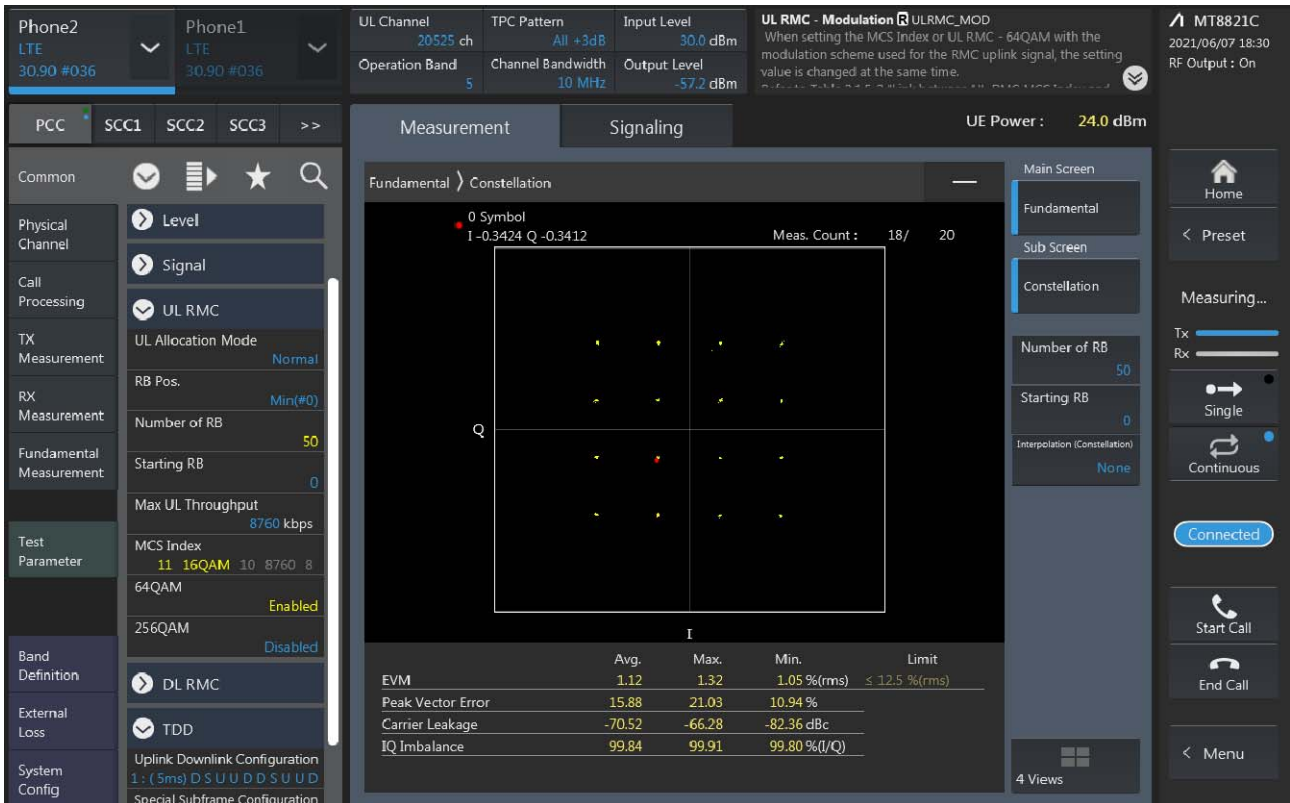


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3.2. Test Mode = LTE /TM2 10MHz

3.2.1. Test Channel = MCH

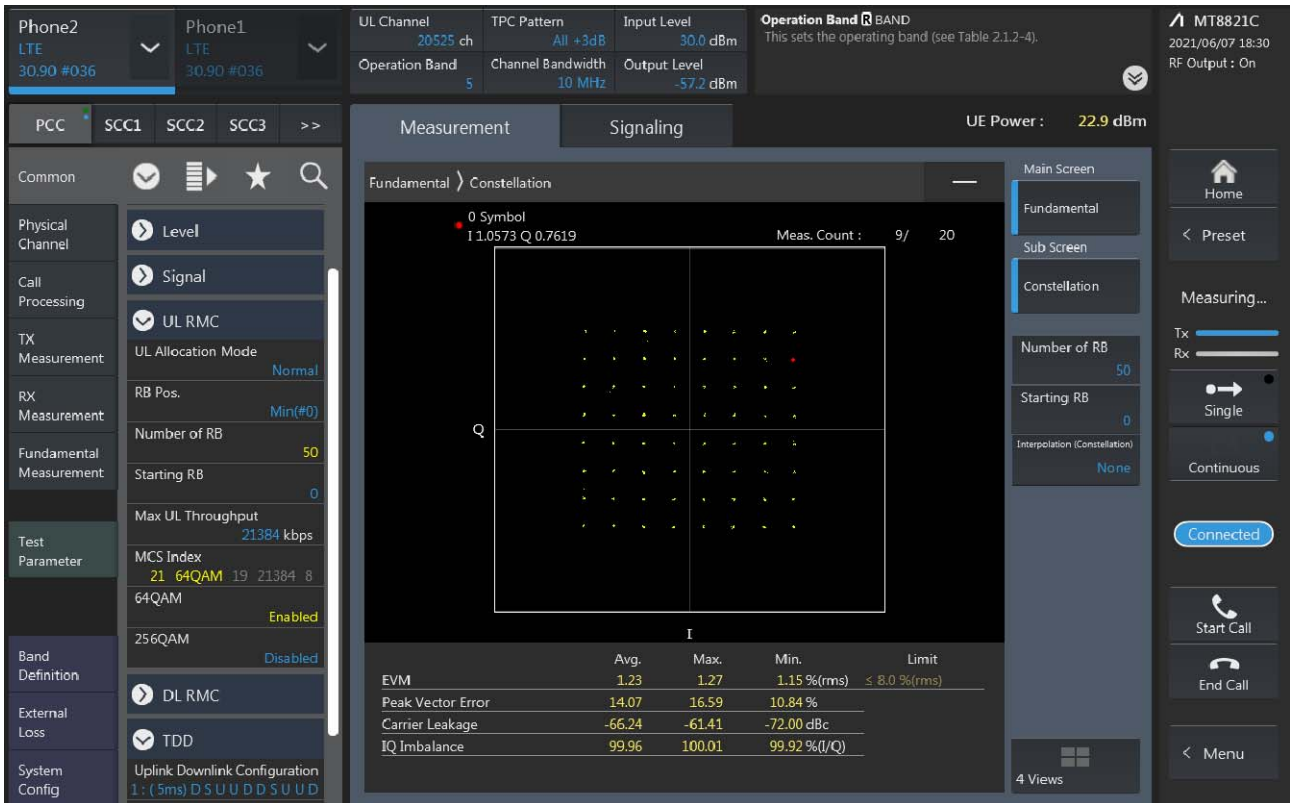


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3.3. Test Mode = LTE /TM3 10MHz

3.3.1. Test Channel = MCH

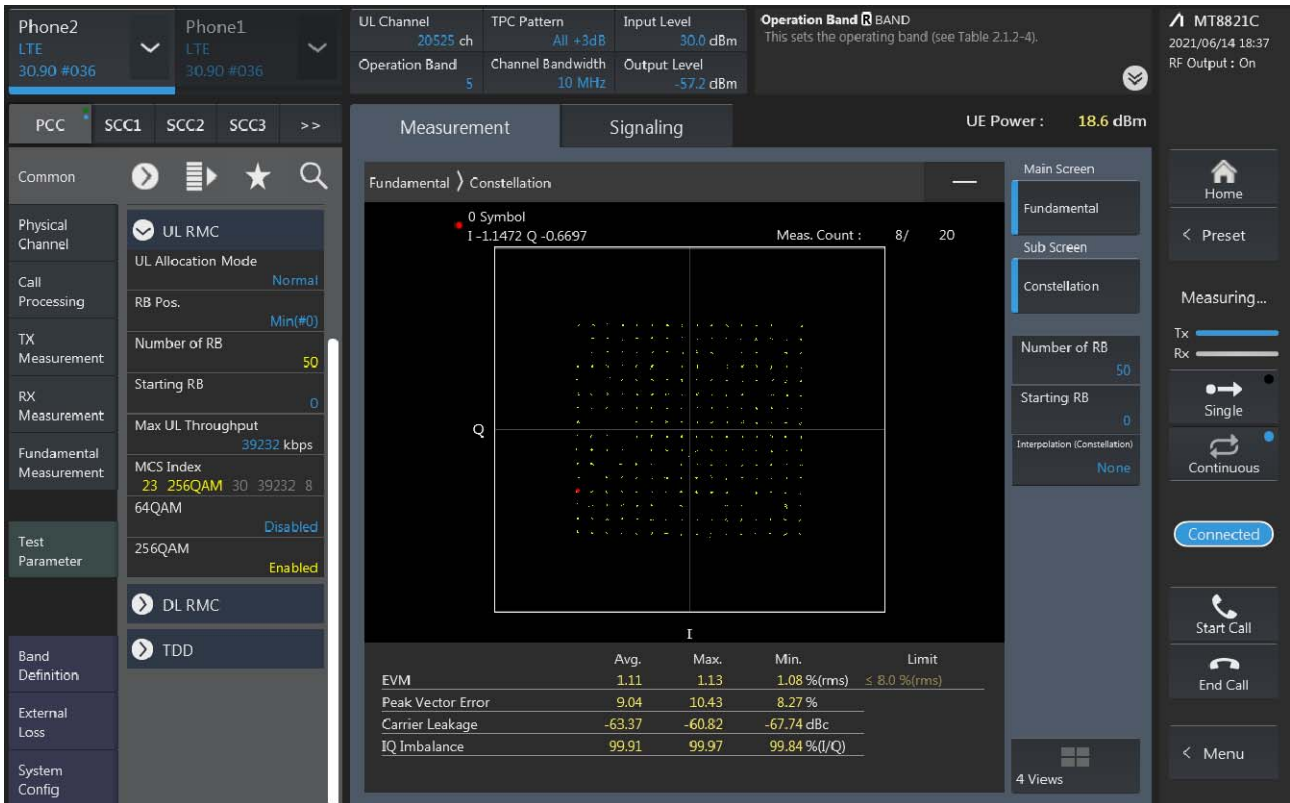


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3.4. Test Mode = LTE /TM4 10MHz

3.4.1. 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	1.290	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.091	1.287	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.091	1.293	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.094	1.281	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.094	1.287	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.094	1.287	PASS
Band5	1.4MHz	256QAM	20407	6RB#0	1.091	1.302	PASS
Band5	1.4MHz	256QAM	20525	6RB#0	1.091	1.293	PASS
Band5	1.4MHz	256QAM	20643	6RB#0	1.094	1.299	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.088	1.287	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.088	1.287	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.088	1.284	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.691	2.946	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.691	2.940	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.697	2.928	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.685	2.928	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.685	2.922	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.691	2.922	PASS
Band5	3MHz	256QAM	20415	15RB#0	2.685	2.952	PASS
Band5	3MHz	256QAM	20525	15RB#0	2.691	2.946	PASS
Band5	3MHz	256QAM	20635	15RB#0	2.685	2.946	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.673	2.928	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.679	2.916	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.679	2.928	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.476	4.870	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.476	4.880	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.476	4.860	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.456	4.850	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.476	4.840	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.466	4.850	PASS
Band5	5MHz	256QAM	20425	25RB#0	4.476	4.860	PASS



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Band5	5MHz	256QAM	20525	25RB#0	4.486	4.890	PASS
Band5	5MHz	256QAM	20625	25RB#0	4.466	4.880	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.476	4.900	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.476	4.910	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.486	4.860	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.911	9.640	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.931	9.660	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.911	9.620	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.911	9.580	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.931	9.640	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.911	9.540	PASS
Band5	10MHz	256QAM	20450	50RB#0	8.911	9.580	PASS
Band5	10MHz	256QAM	20525	50RB#0	8.951	9.640	PASS
Band5	10MHz	256QAM	20600	50RB#0	8.911	9.580	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.911	9.660	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.951	9.640	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.911	9.640	PASS

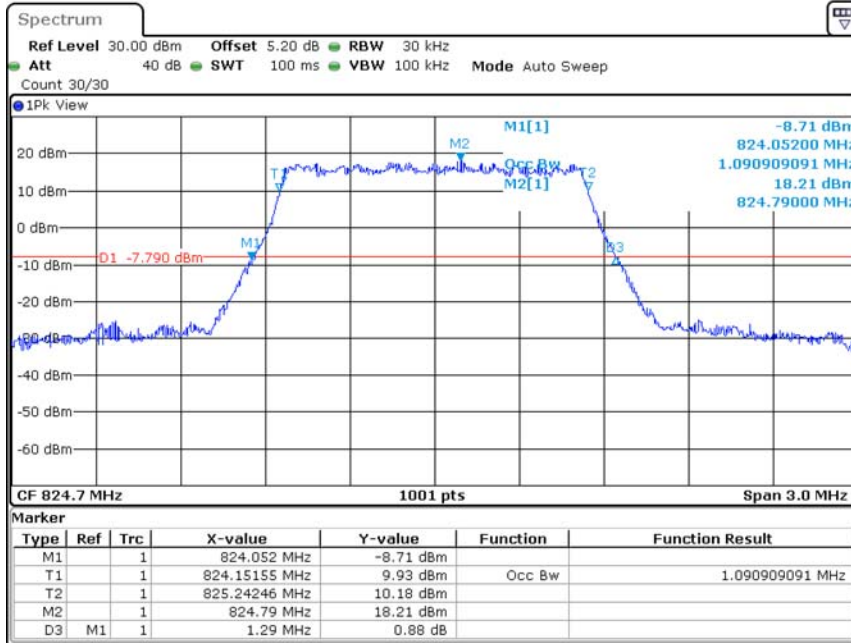


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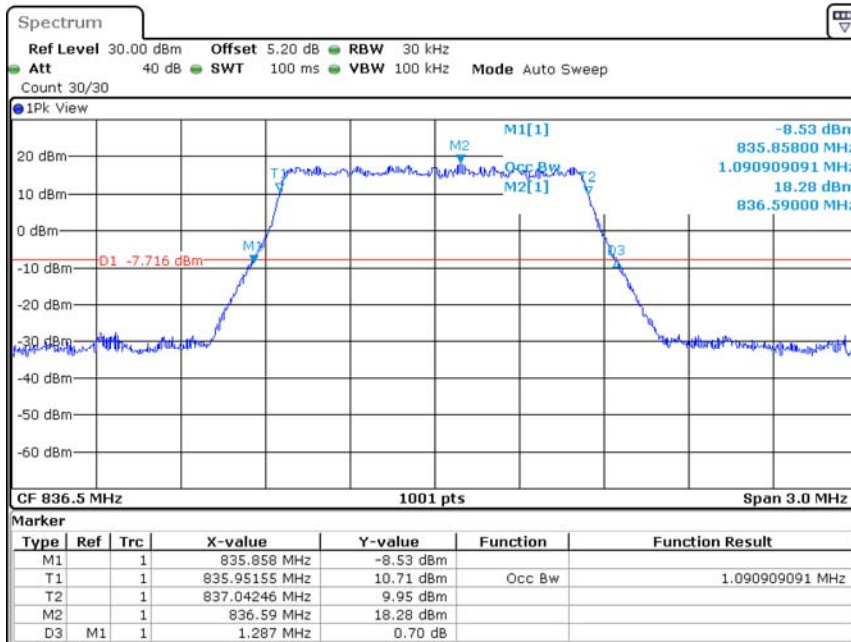
4.2. Test Plots

Band5-1.4MHz-QPSK-20407-6RB#0-1.091



Date: 16.MAY.2021 11:14:07

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

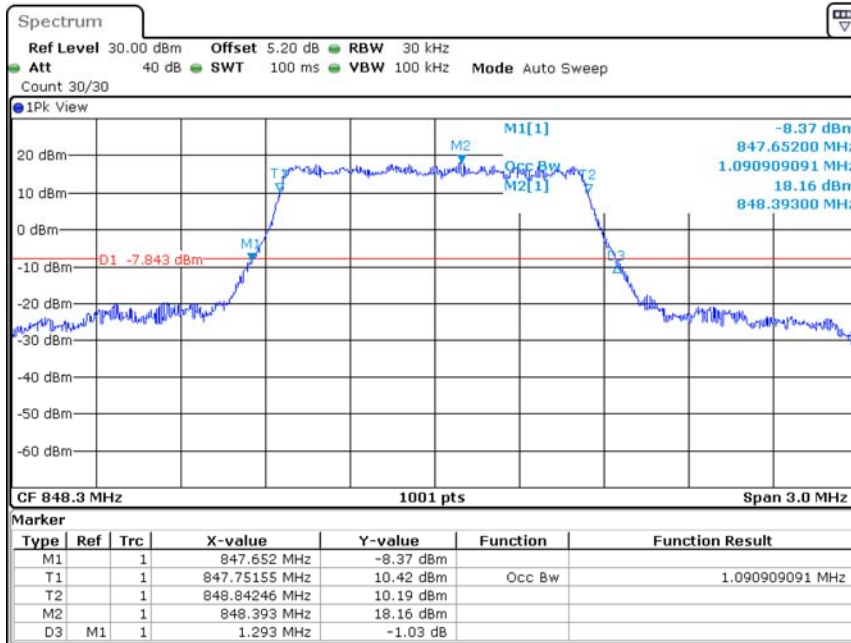


Date: 16.MAY.2021 11:14:32



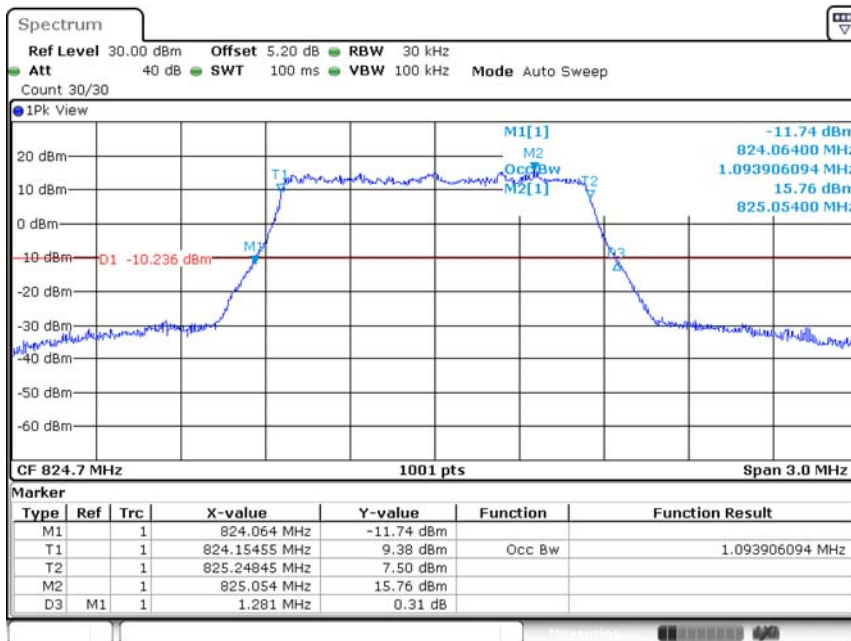
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Band5-1.4MHz-QPSK-20643-6RB#0-1.091



Date: 16.MAY.2021 11:14:58

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

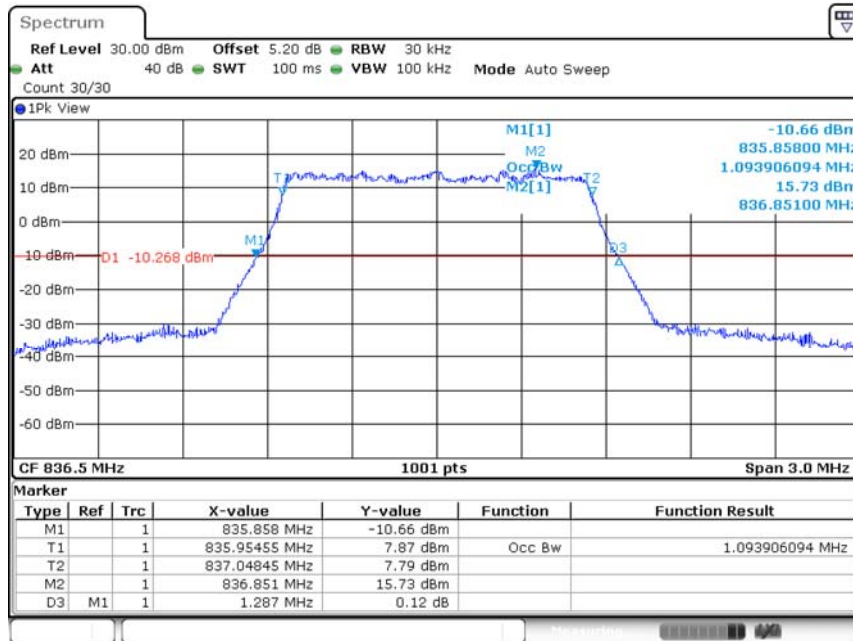


Date: 30.MAY.2021 07:37:15



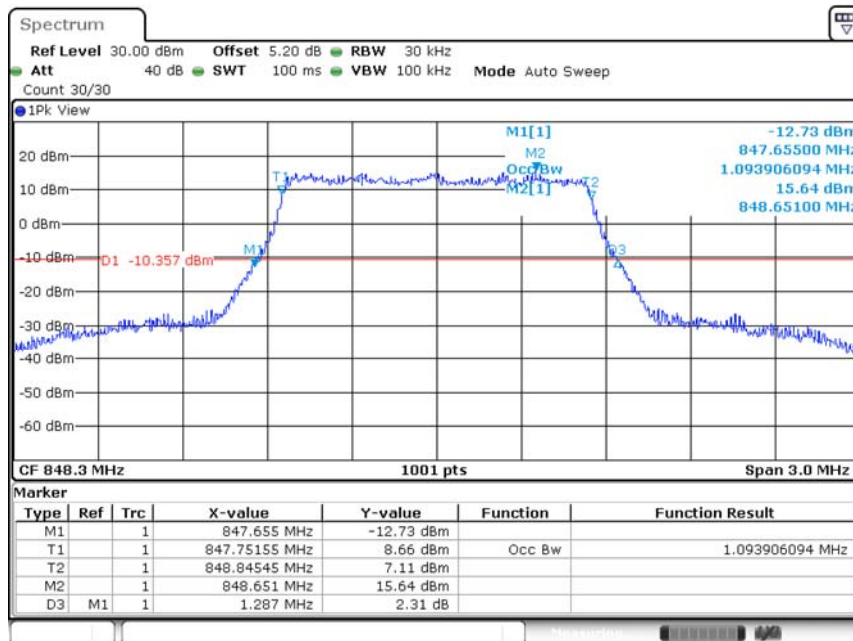
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Band5-1.4MHz-64QAM-20525-6RB#0-1.094



Date: 30.MAY.2021 07:37:27

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

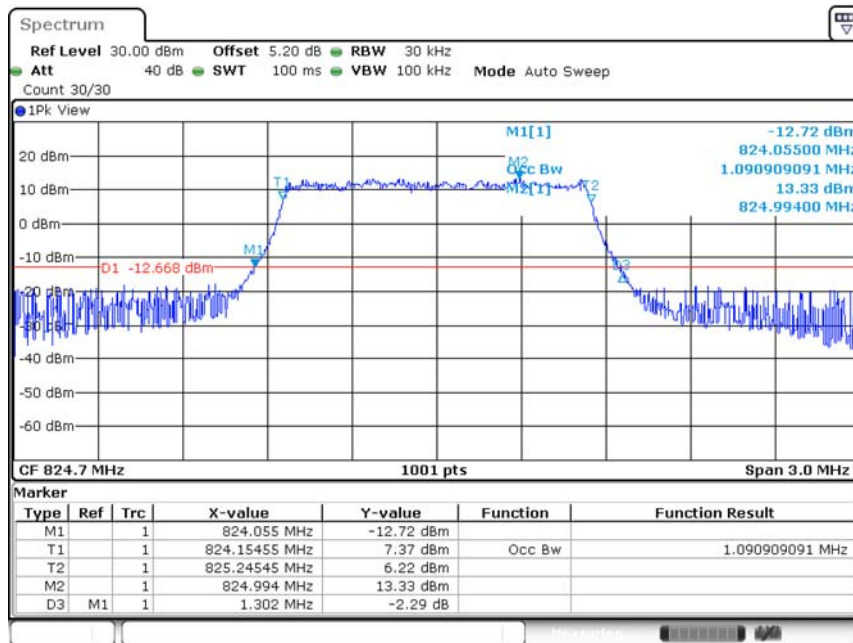


Date: 30.MAY.2021 07:37:40



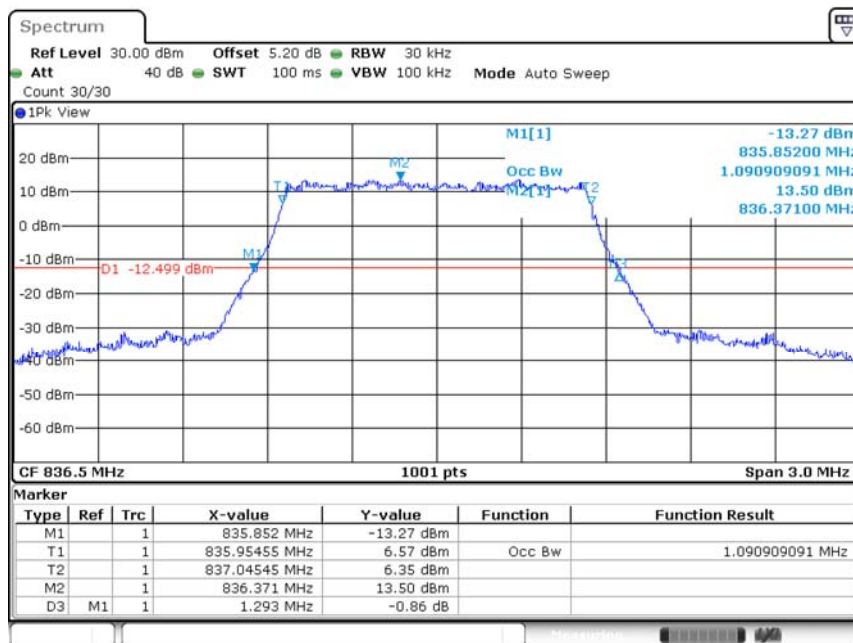
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Band5-1.4MHz-256QAM-20407-6RB#0-1.091



Date: 5.MAY.2021 03:31:40

Band5-1.4MHz-256QAM-20525-6RB#0-1.091

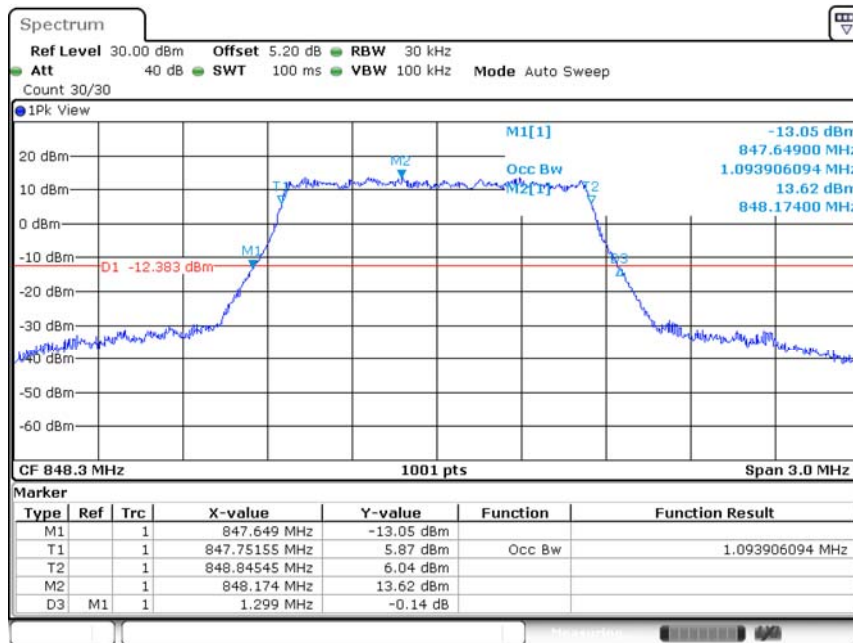


Date: 5.MAY.2021 03:31:53



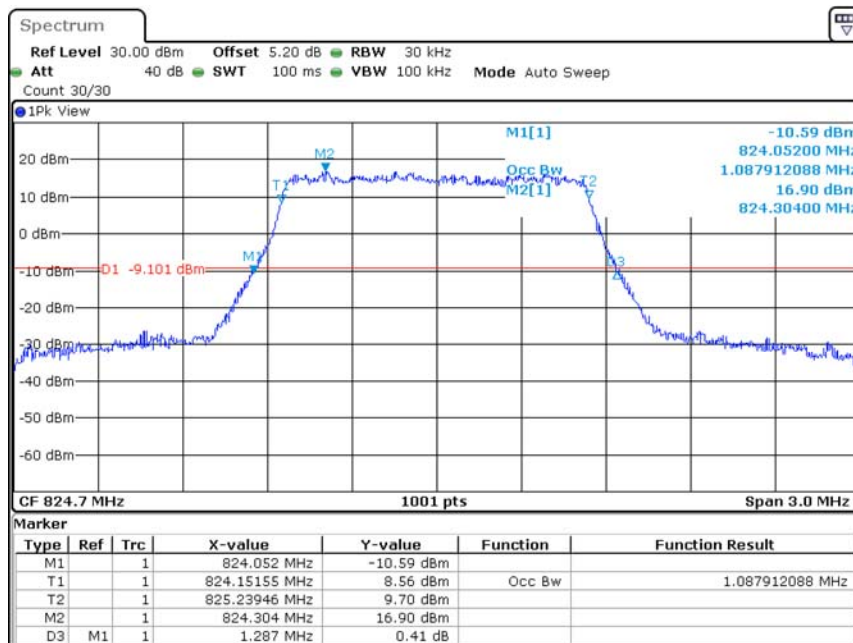
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Band5-1.4MHz-256QAM-20643-6RB#0-1.094



Date: 5.MAY.2021 03:32:06

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

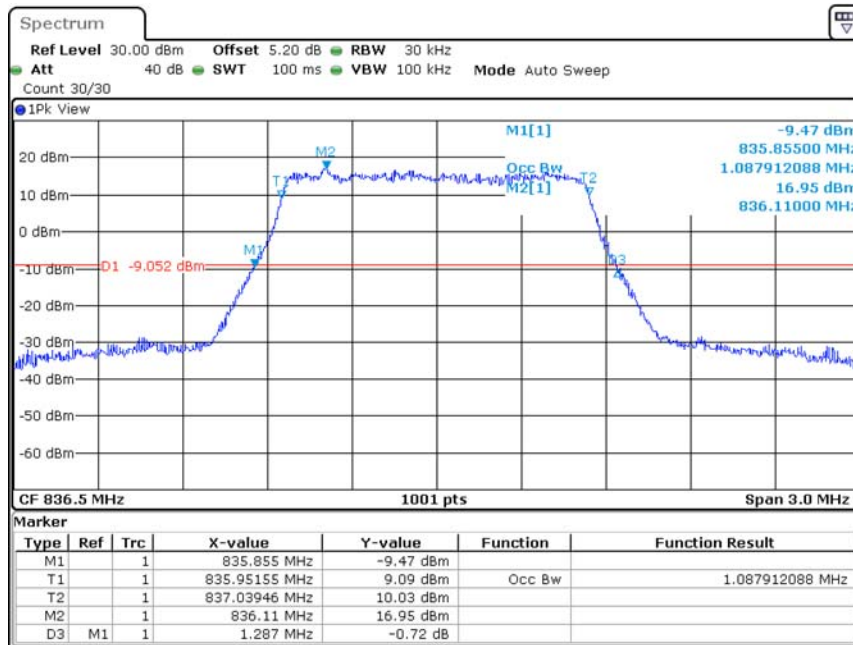


Date: 16.MAY.2021 11:14:20



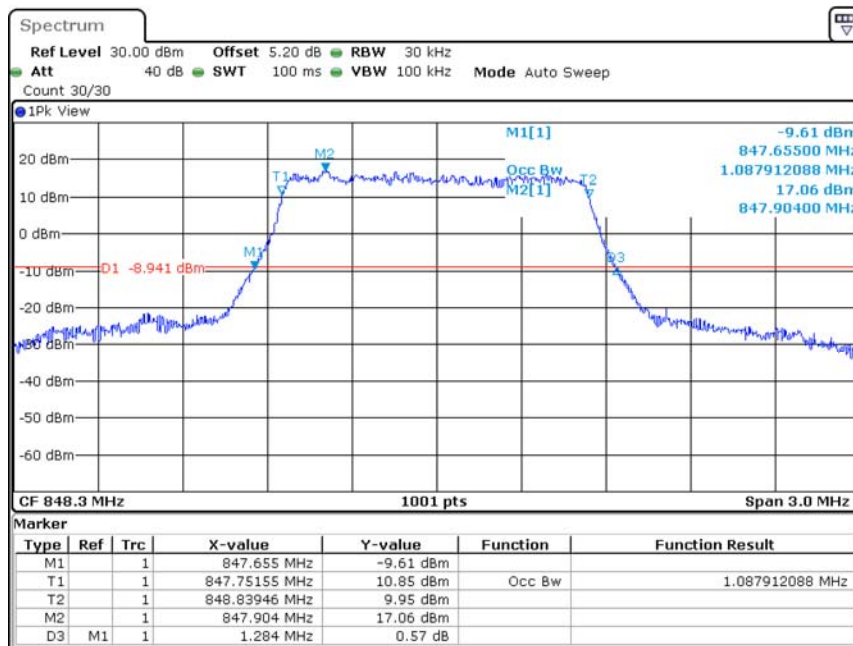
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Band5-1.4MHz-16QAM-20525-6RB#0-1.088



Date: 16.MAY.2021 11:14:45

Band5-1.4MHz-16QAM-20643-6RB#0-1.088

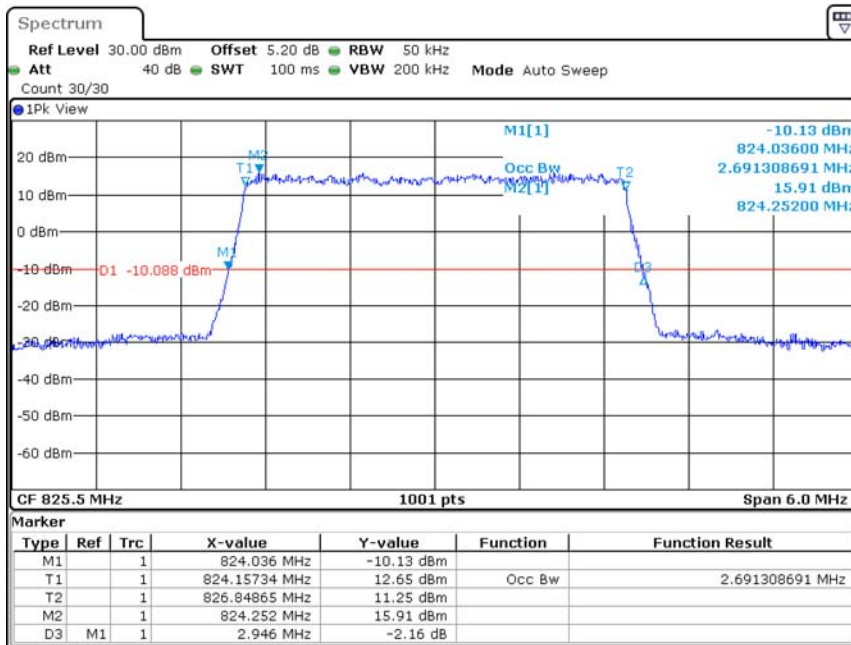


Date: 16.MAY.2021 11:15:11



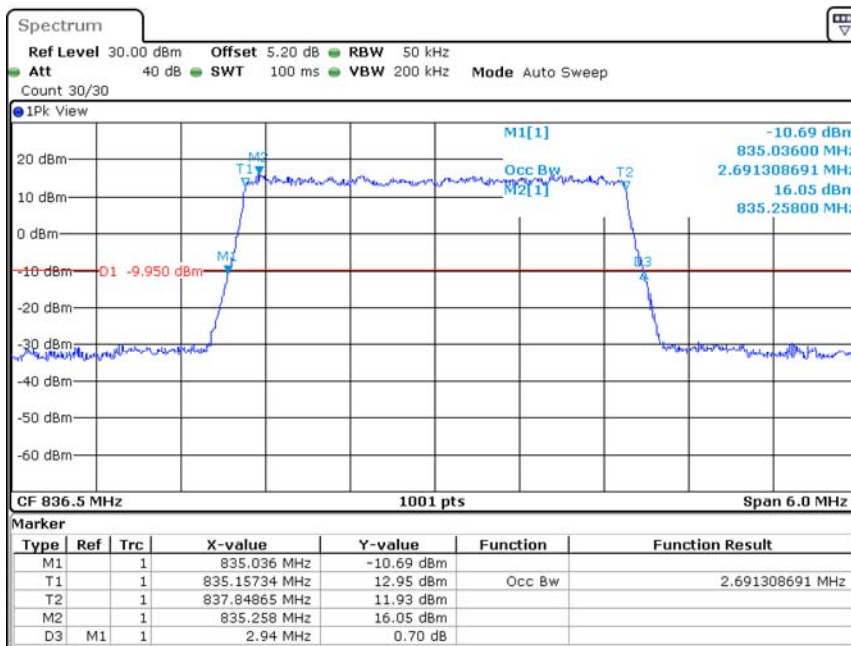
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Band5-3MHz-QPSK-20415-15RB#0-2.691



Date: 16.MAY.2021 11:15:30

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

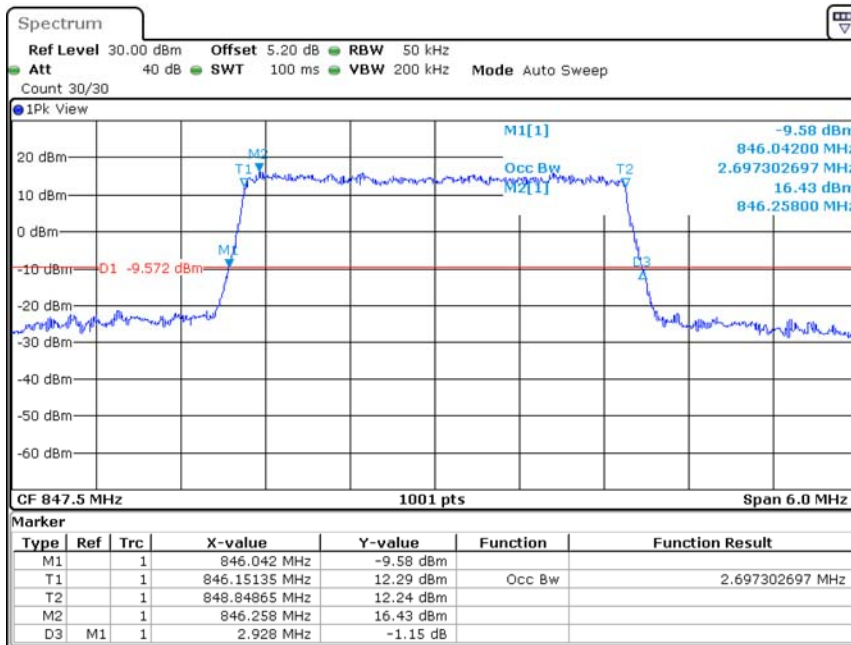


Date: 16.MAY.2021 11:15:56



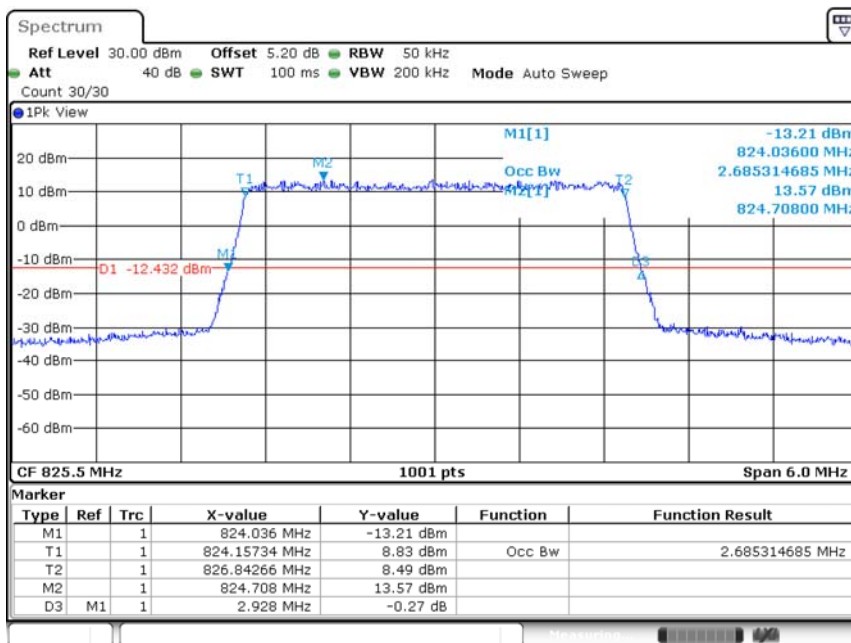
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Band5-3MHz-QPSK-20635-15RB#0-2.697



Date: 16.MAY.2021 11:16:22

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

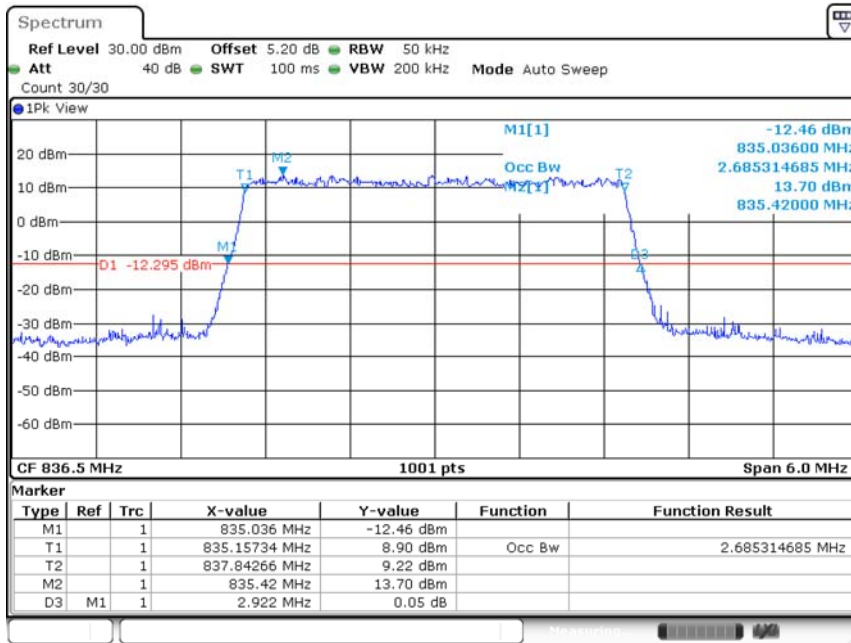


Date: 30.MAY.2021 07:38:00



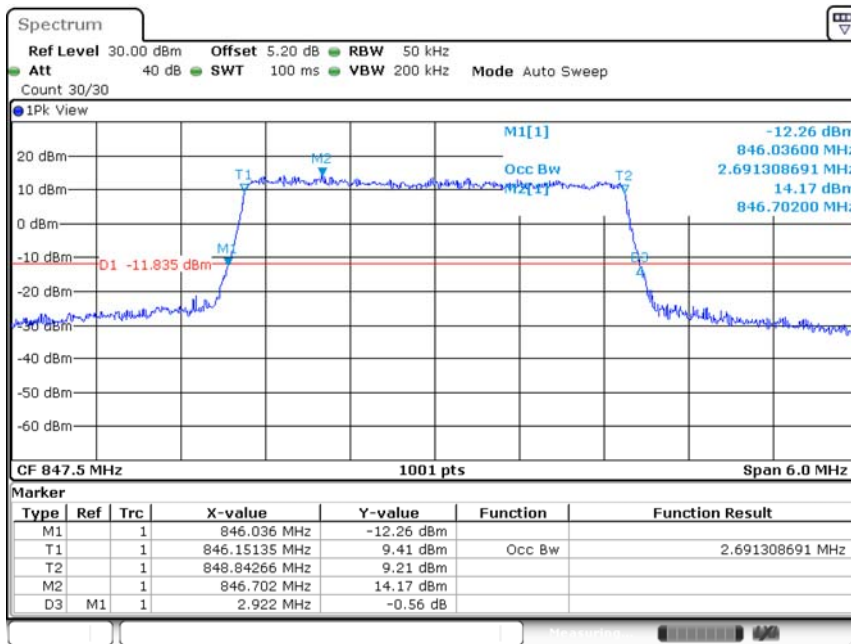
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Band5-3MHz-64QAM-20525-15RB#0-2.685



Date: 30.MAY.2021 07:38:13

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

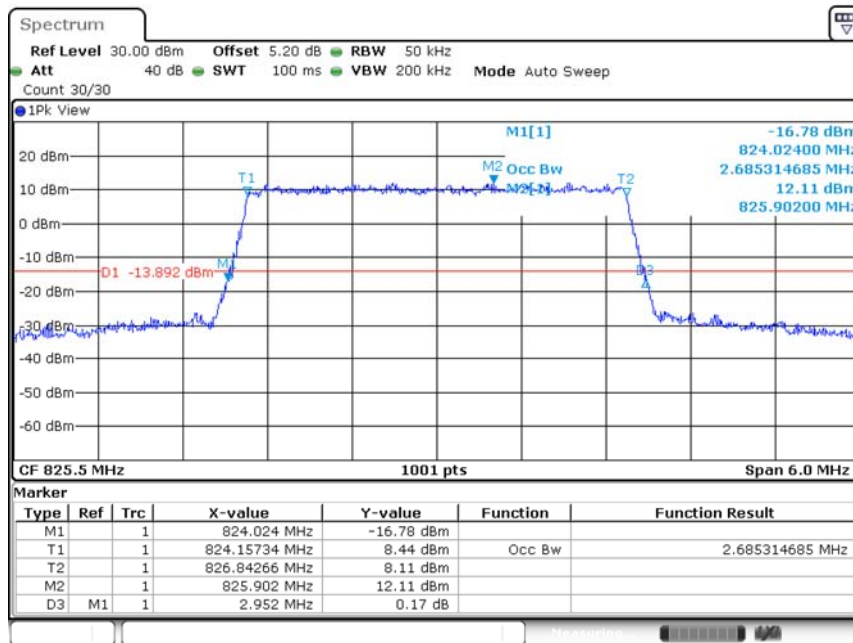


Date: 30.MAY.2021 07:38:26



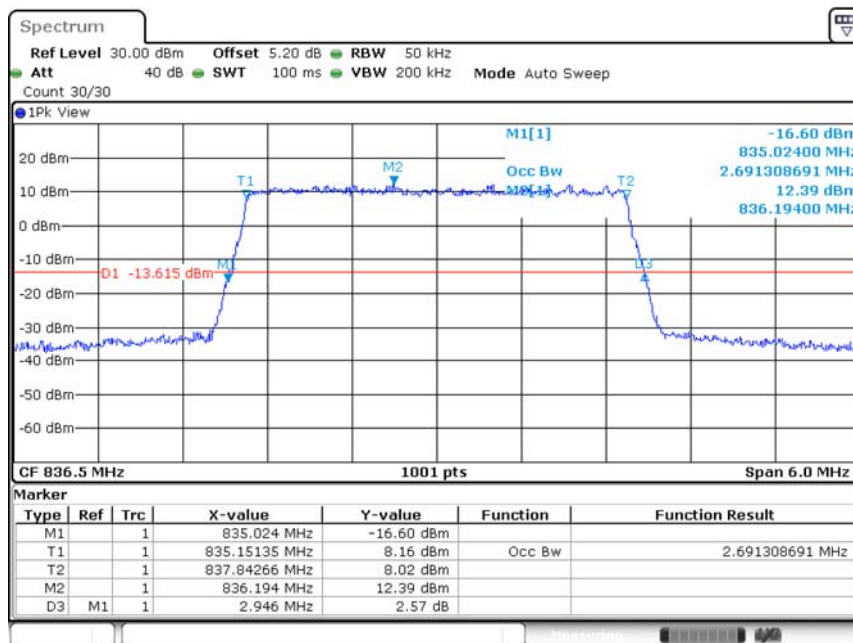
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Band5-3MHz-256QAM-20415-15RB#0-2.685



Date: 5.MAY.2021 03:32:24

Band5-3MHz-256QAM-20525-15RB#0-2.691

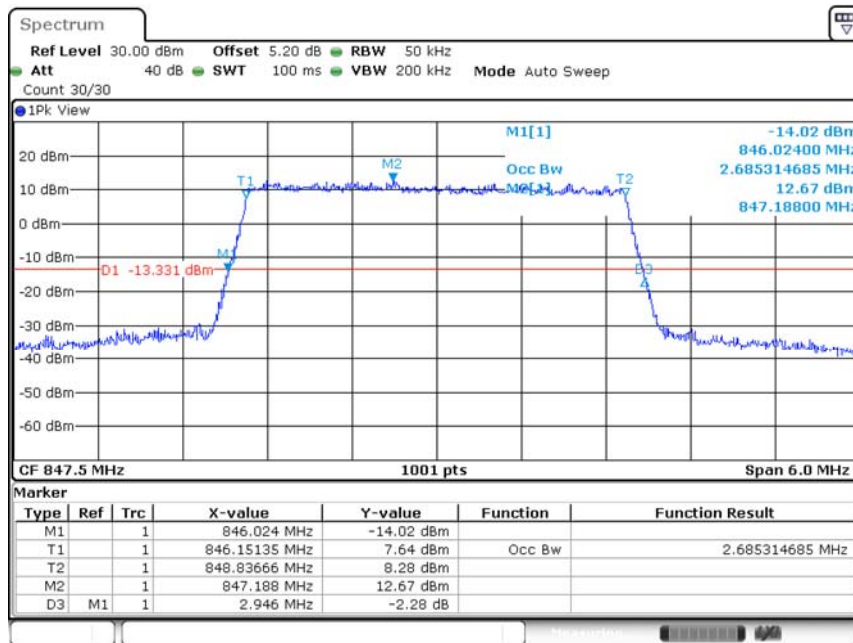


Date: 5.MAY.2021 03:32:38



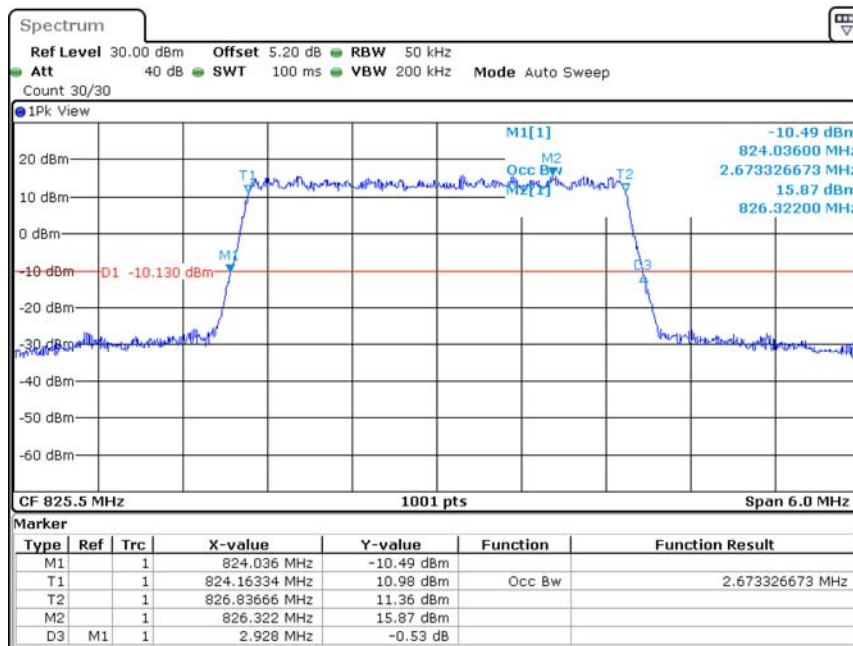
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Band5-3MHz-256QAM-20635-15RB#0-2.685



Date: 5.MAY.2021 03:32:51

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

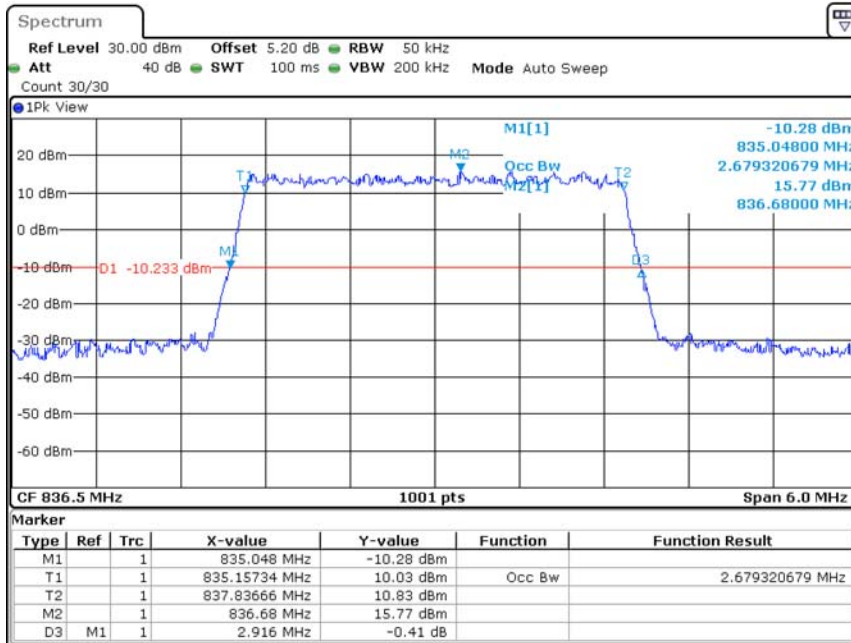


Date: 16.MAY.2021 11:15:43



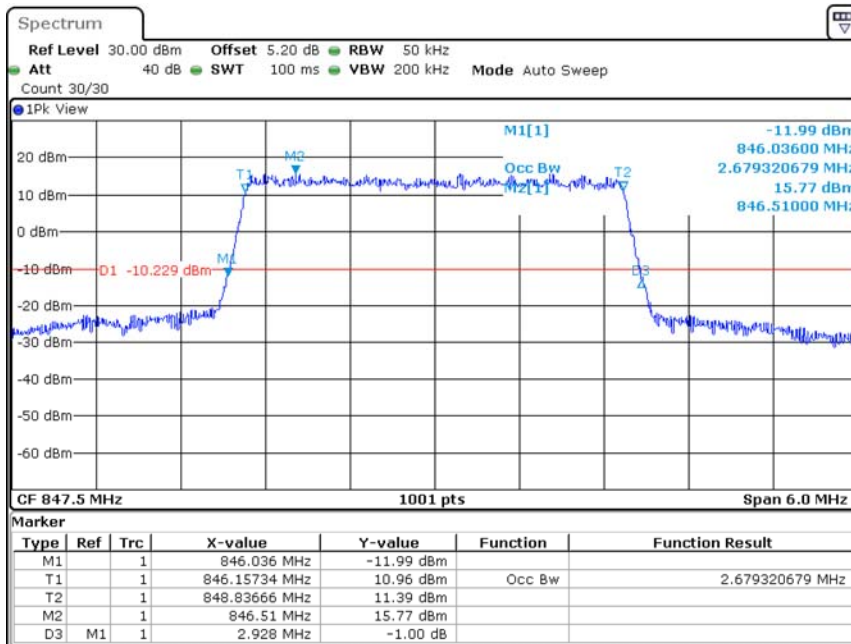
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Band5-3MHz-16QAM-20525-15RB#0-2.679



Date: 16.MAY.2021 11:16:09

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

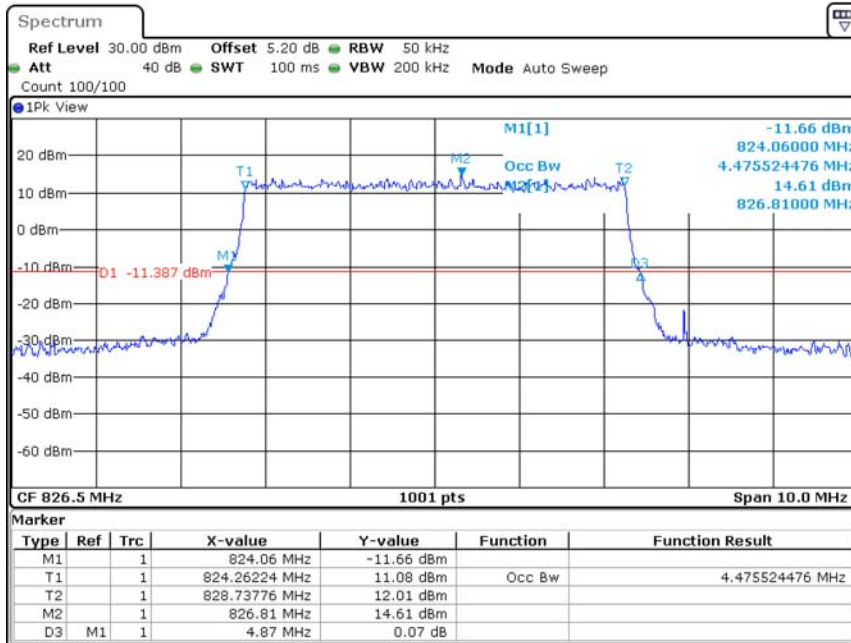


Date: 16.MAY.2021 11:16:35



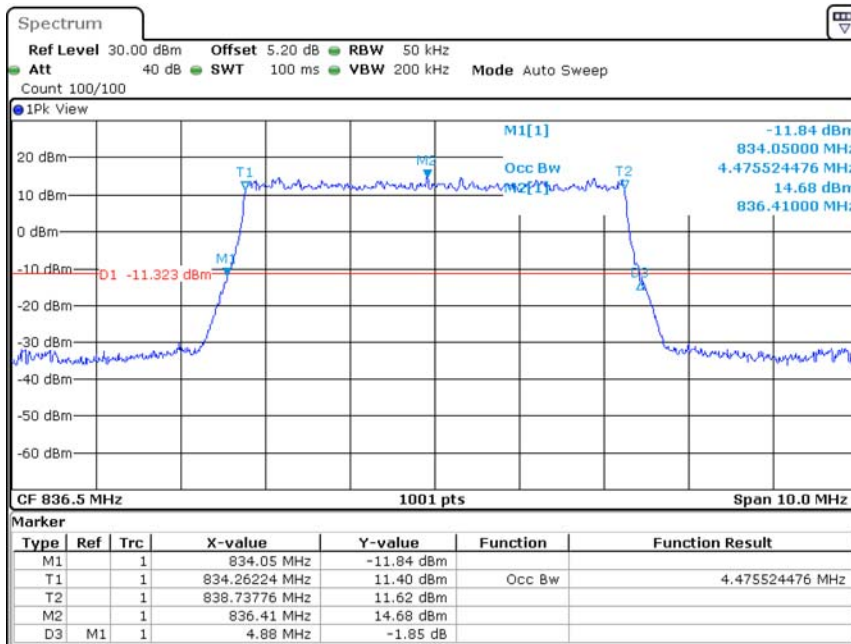
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Band5-5MHz-QPSK-20425-25RB#0-4.476



Date: 16.MAY.2021 11:17:01

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

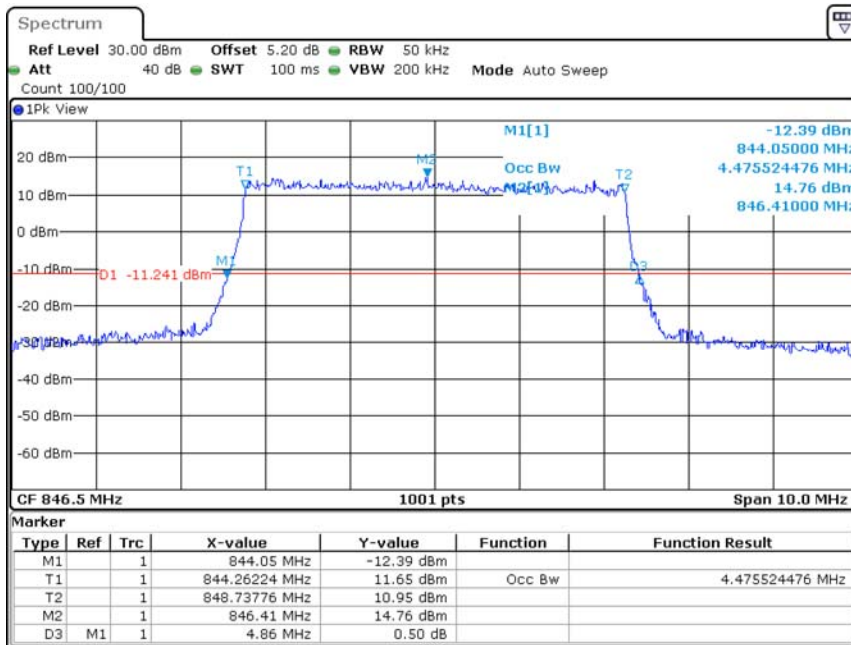


Date: 16.MAY.2021 11:17:40



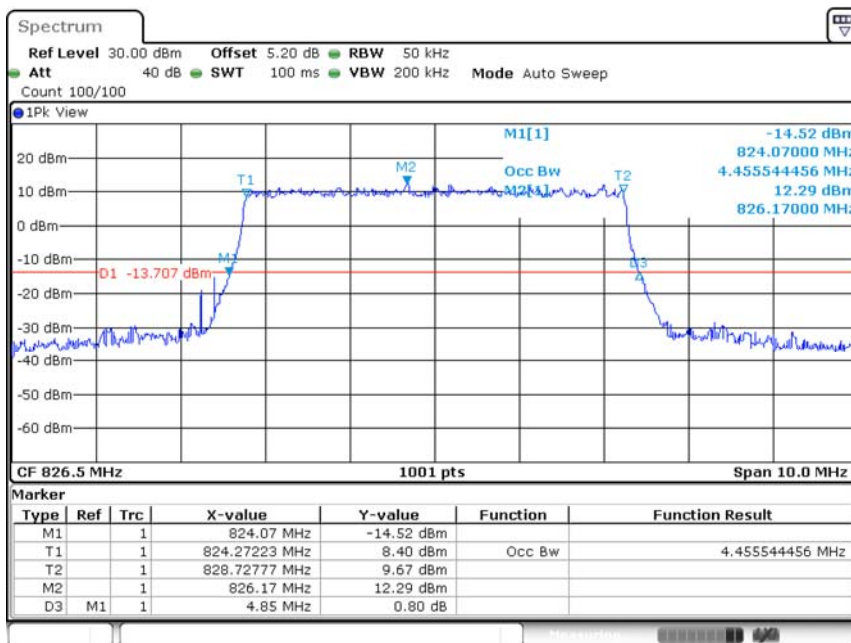
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Band5-5MHz-QPSK-20625-25RB#0-4.476



Date: 16.MAY.2021 11:18:20

Band5-5MHz-64QAM-20425-25RB#0-4.456

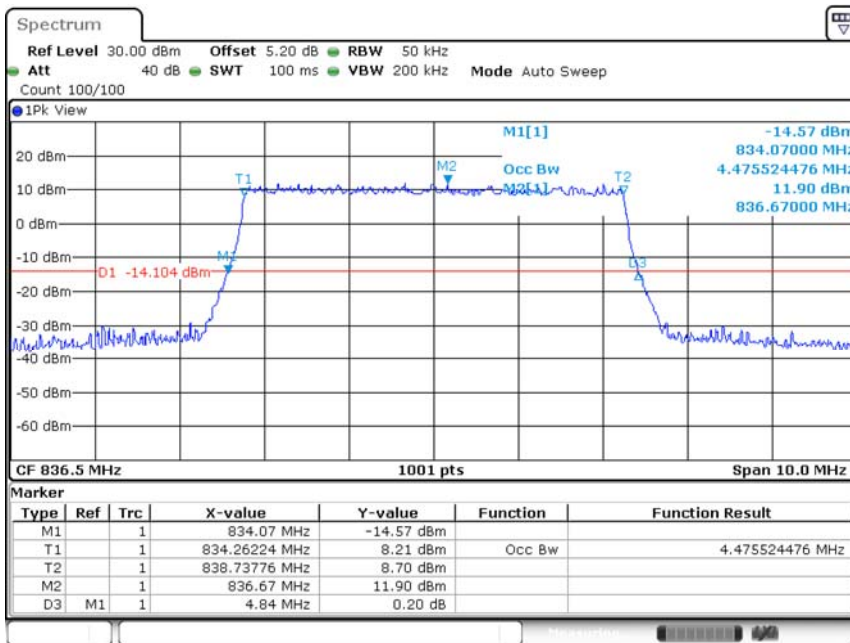


Date: 30.MAY.2021 07:38:53



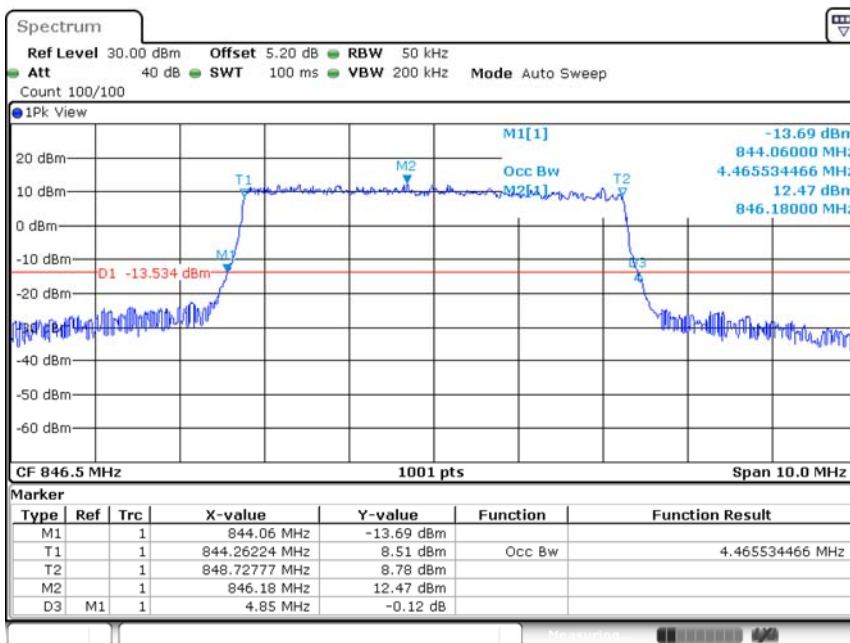
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Band5-5MHz-64QAM-20525-25RB#0-4.476



Date: 30.MAY.2021 07:39:13

Band5-5MHz-64QAM-20625-25RB#0-4.466

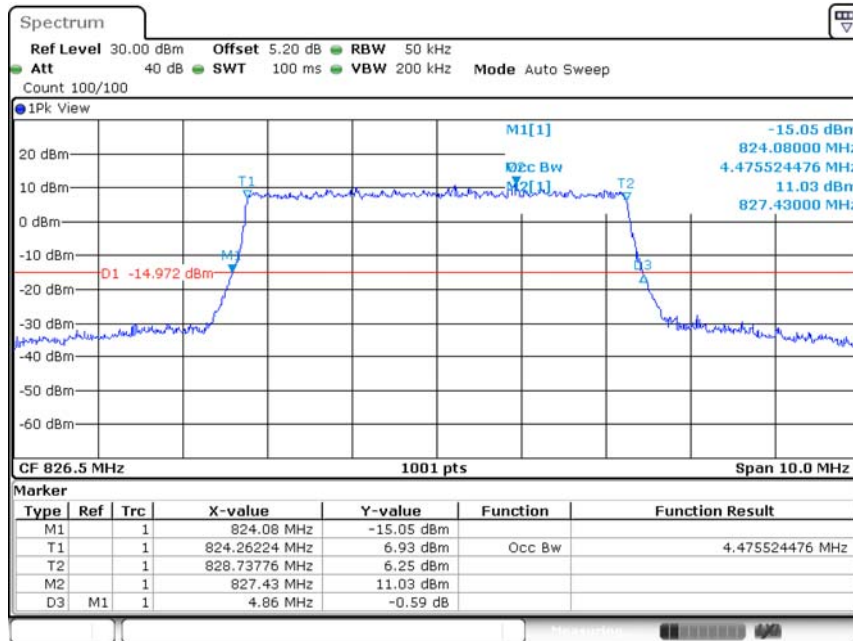


Date: 30.MAY.2021 07:39:33



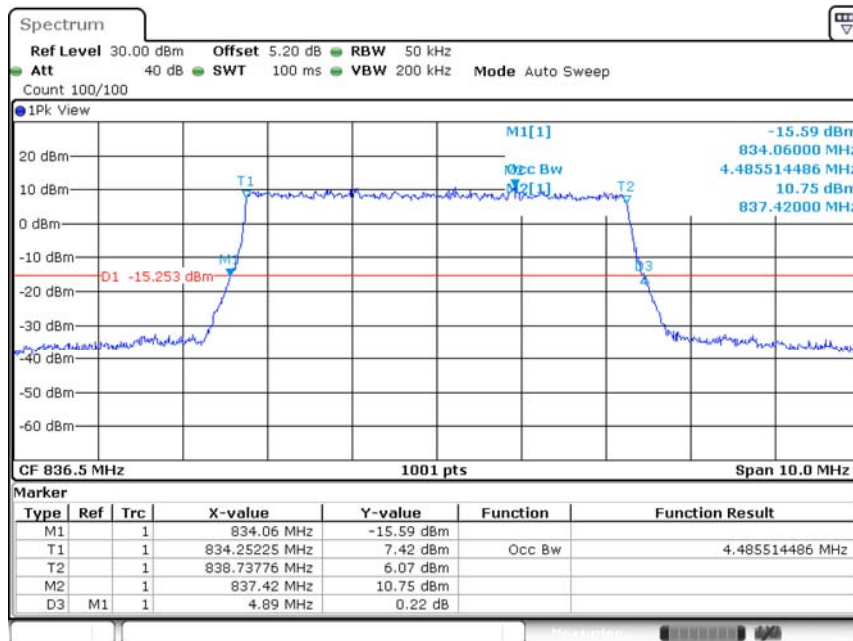
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Band5-5MHz-256QAM-20425-25RB#0-4.476



Date: 5.MAY.2021 03:33:15

Band5-5MHz-256QAM-20525-25RB#0-4.486

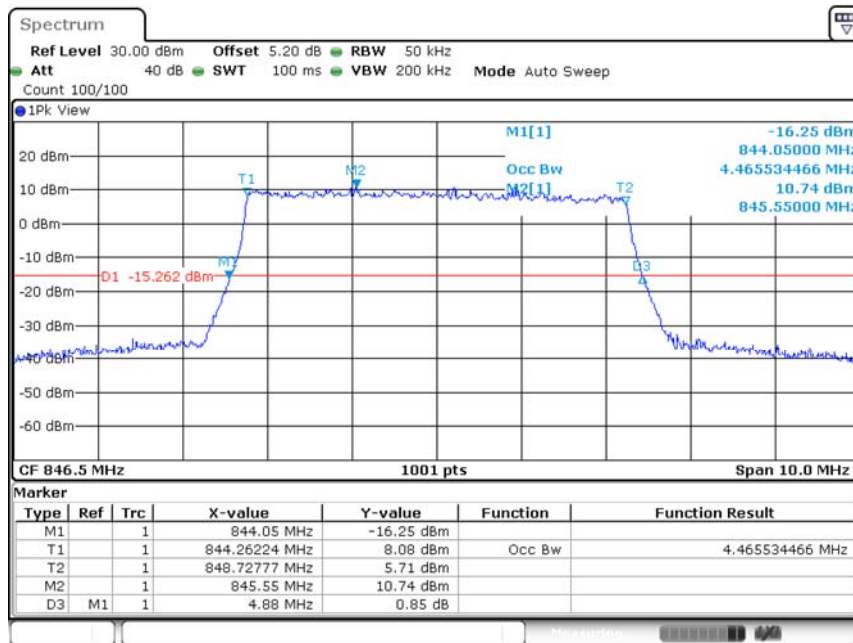


Date: 5.MAY.2021 03:33:36



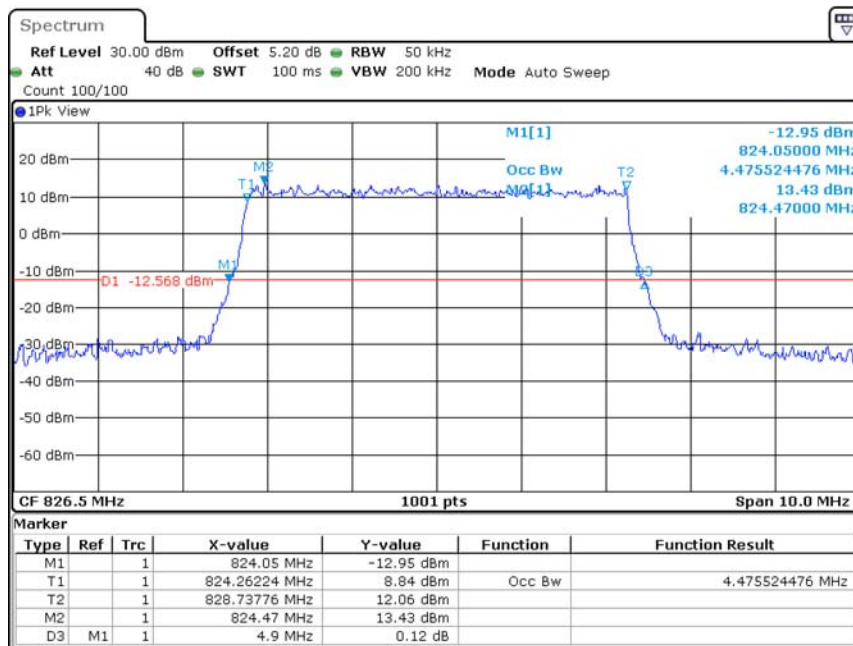
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Band5-5MHz-256QAM-20625-25RB#0-4.466



Date: 5.MAY.2021 03:33:56

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

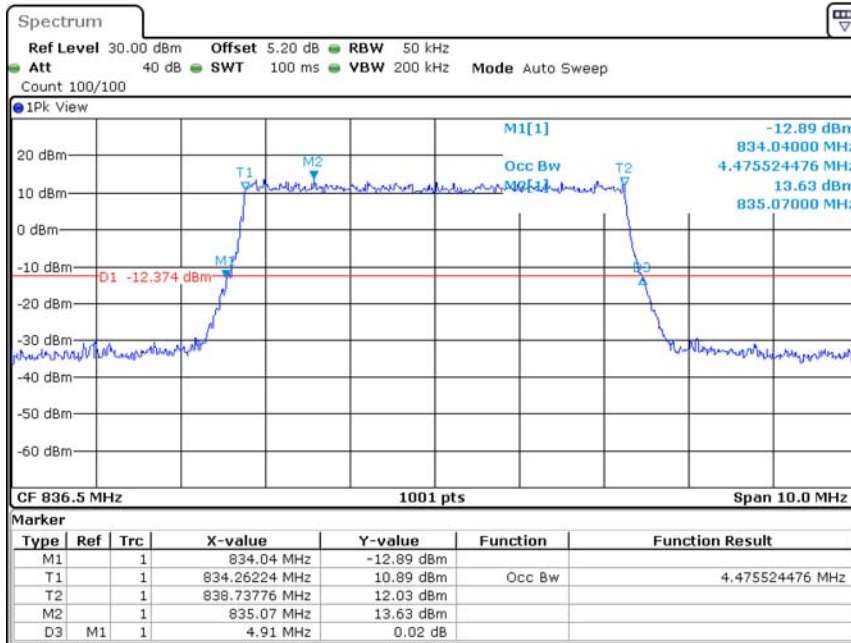


Date: 16.MAY.2021 11:17:20



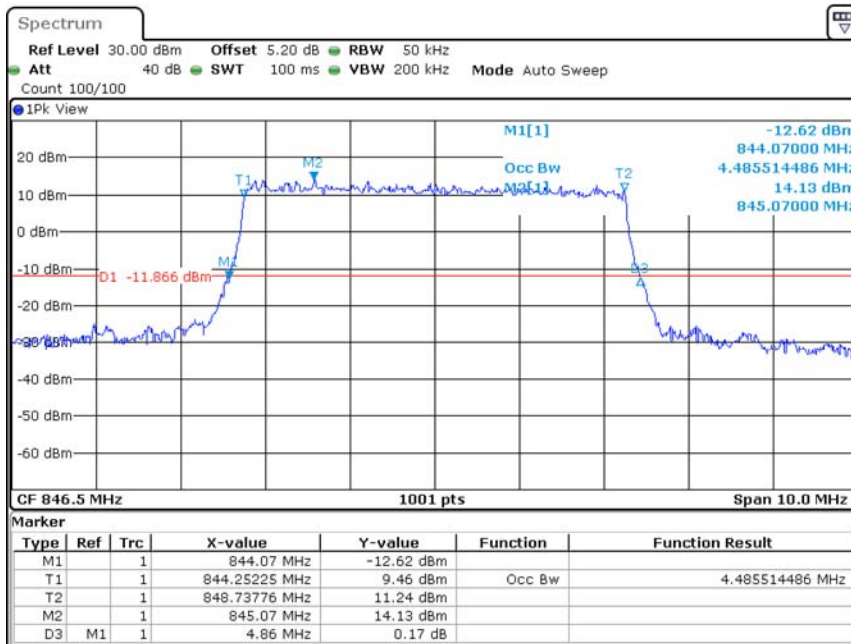
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Band5-5MHz-16QAM-20525-25RB#0-4.476



Date: 16.MAY.2021 11:18:00

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

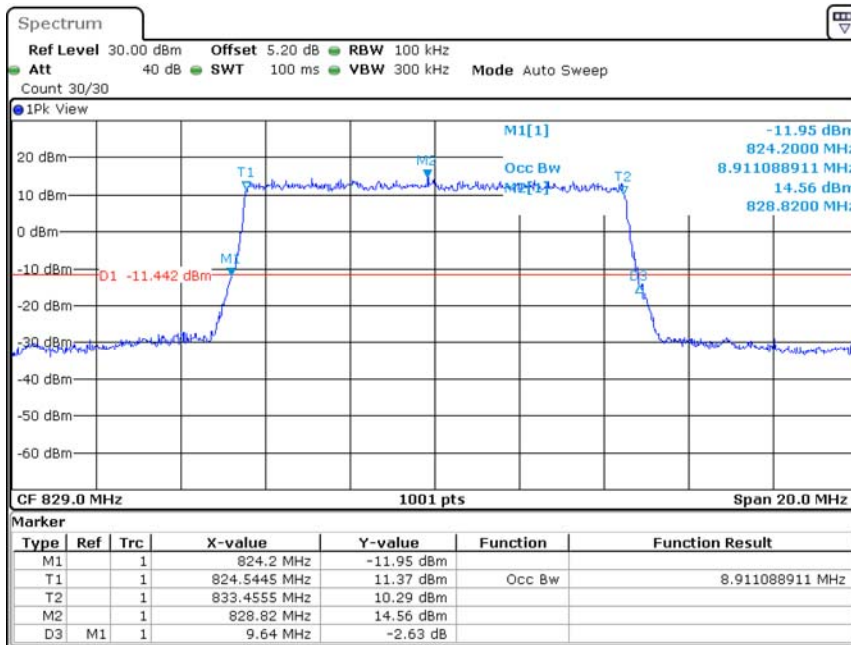


Date: 16.MAY.2021 11:18:40



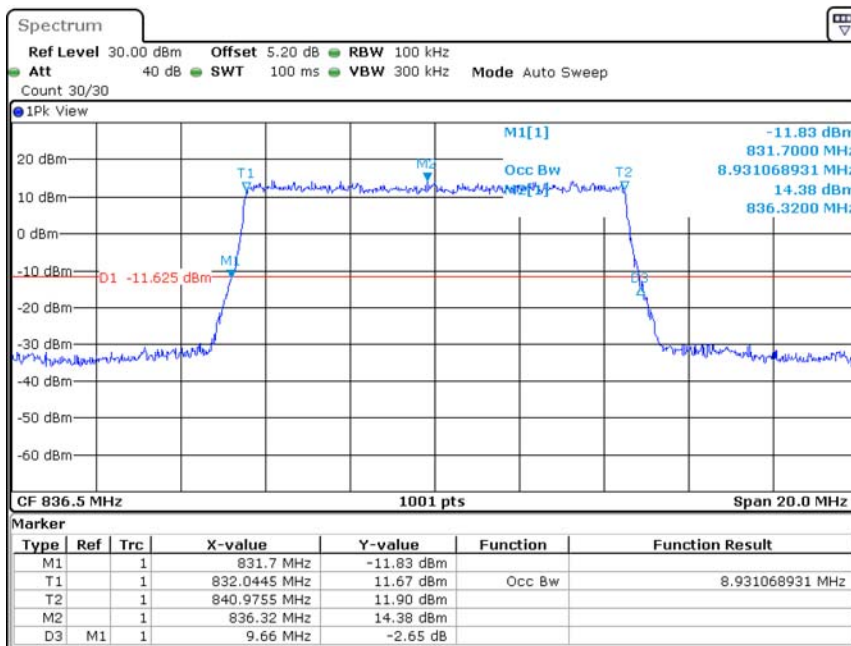
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Band5-10MHz-QPSK-20450-50RB#0-8.911



Date: 16.MAY.2021 11:18:59

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

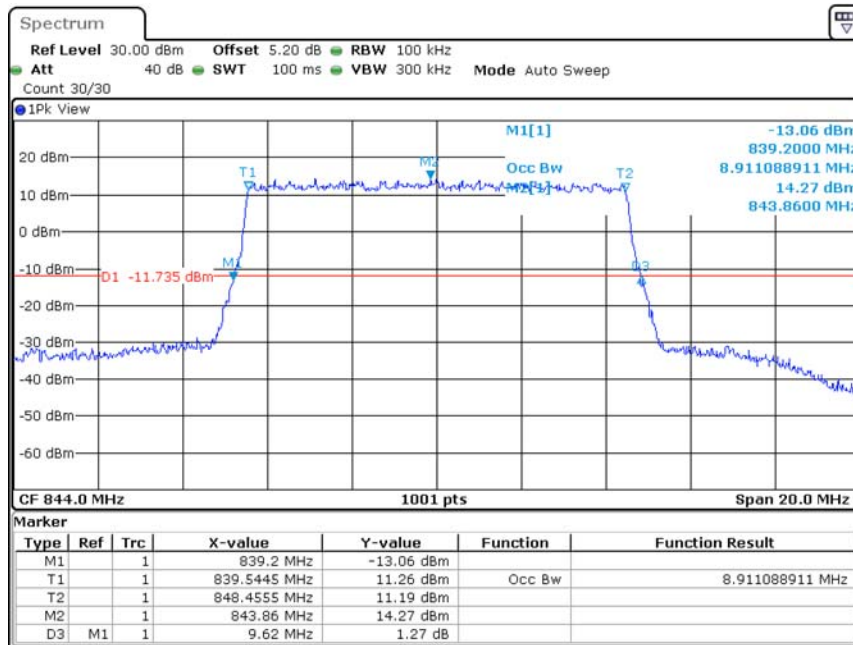


Date: 16.MAY.2021 11:19:25



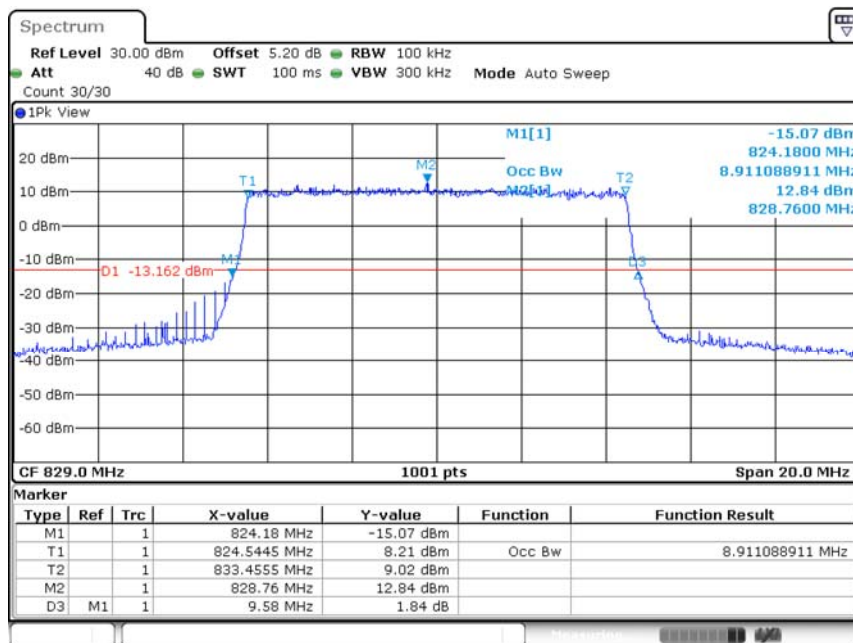
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Band5-10MHz-QPSK-20600-50RB#0-8.911



Date: 16.MAY.2021 11:19:50

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

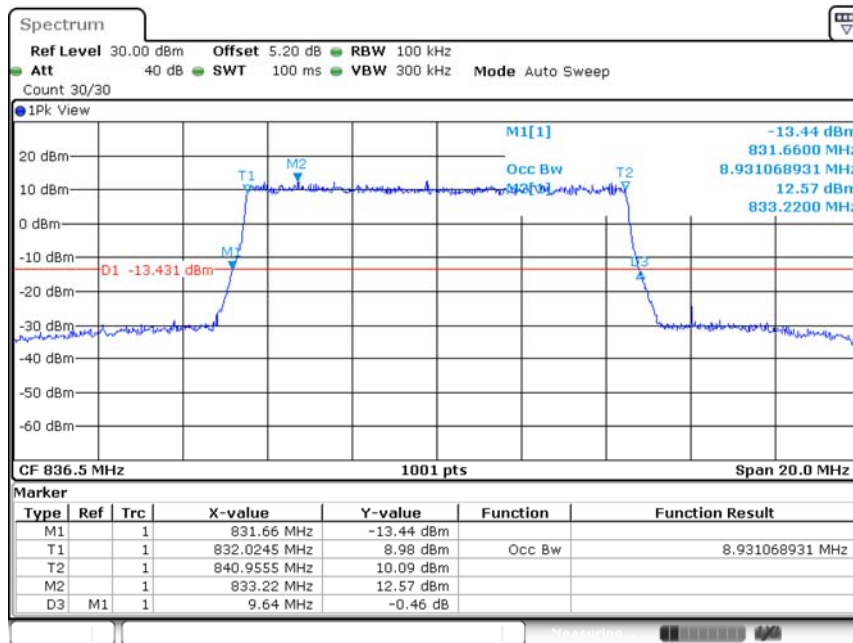


Date: 30.MAY.2021 07:39:53



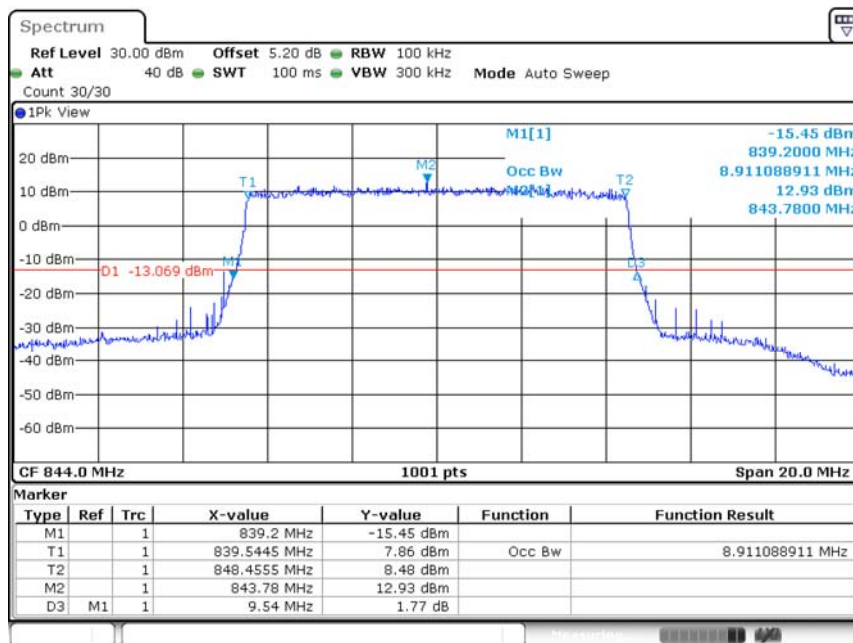
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Band5-10MHz-64QAM-20525-50RB#0-8.931



Date: 30.MAY.2021 07:40:06

Band5-10MHz-64QAM-20600-50RB#0-8.911

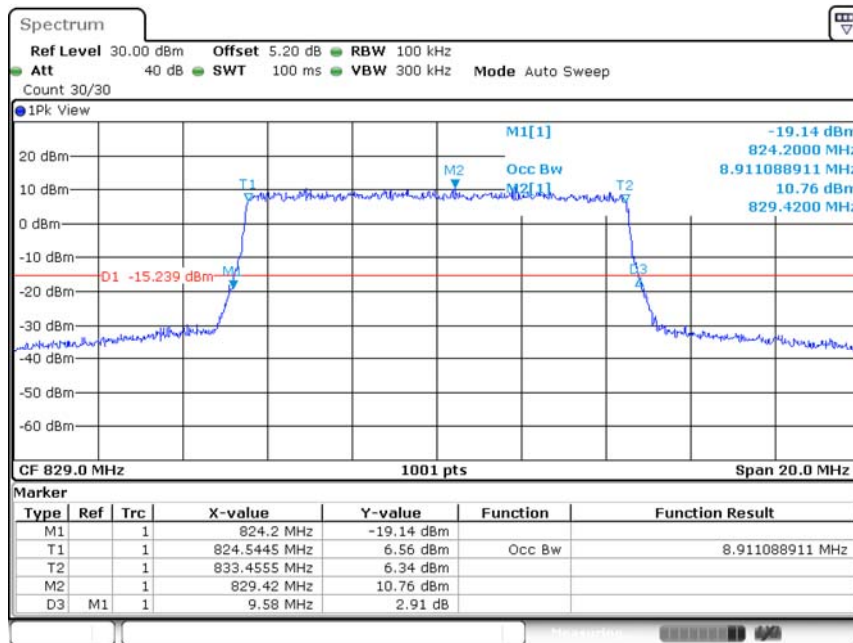


Date: 30.MAY.2021 07:40:19



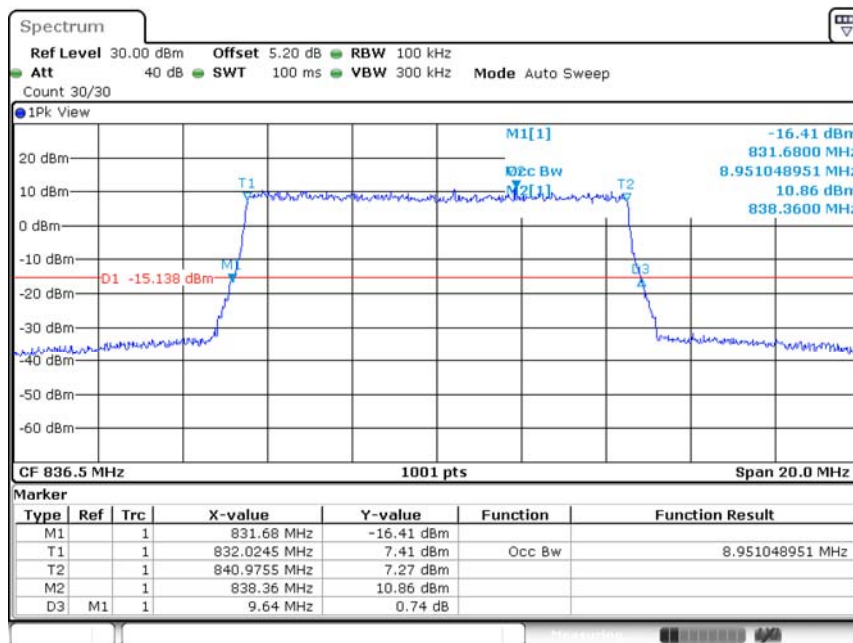
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Band5-10MHz-256QAM-20450-50RB#0-8.911



Date: 5.MAY.2021 03:34:13

Band5-10MHz-256QAM-20525-50RB#0-8.951

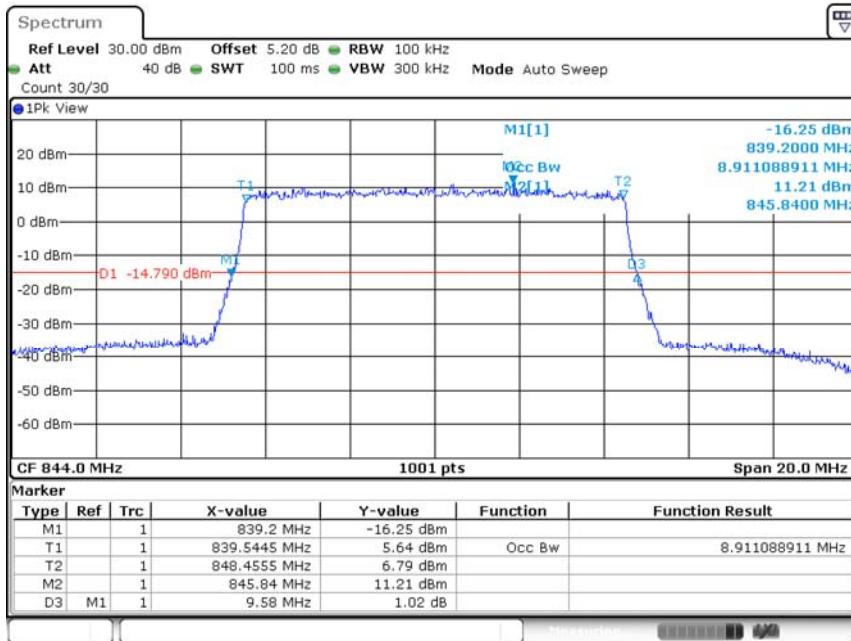


Date: 5.MAY.2021 03:34:27



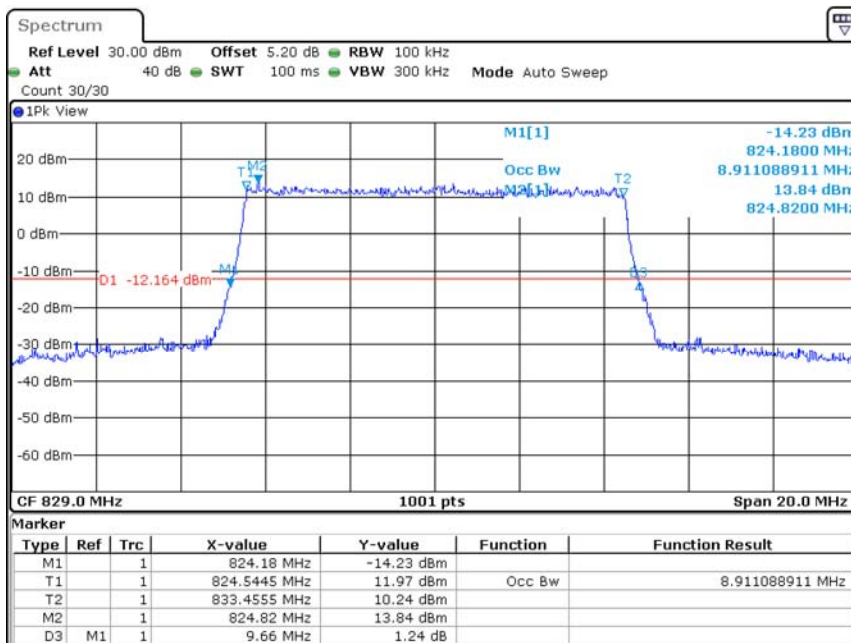
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Band5-10MHz-256QAM-20600-50RB#0-8.911



Date: 5.MAY.2021 03:34:40

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

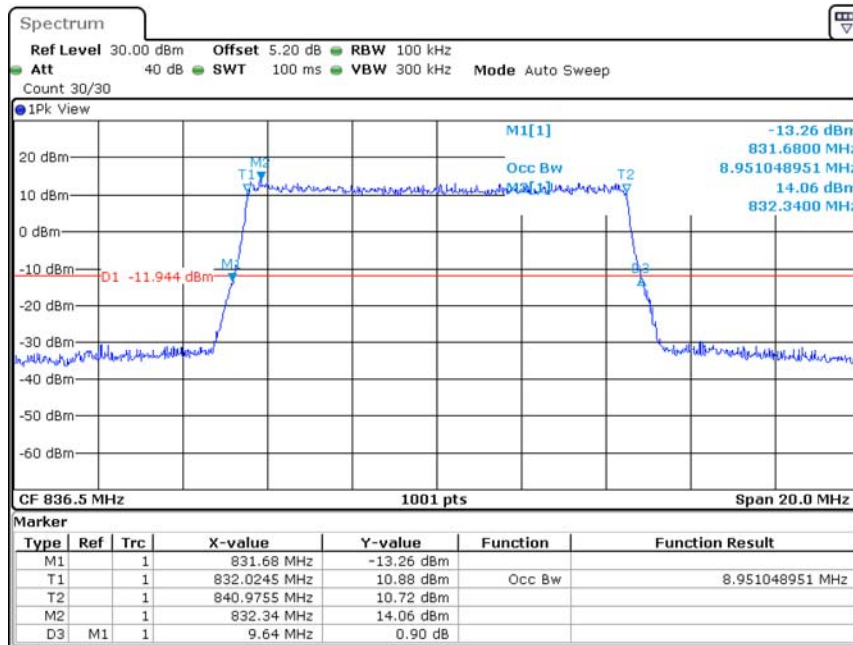


Date: 16.MAY.2021 11:19:12



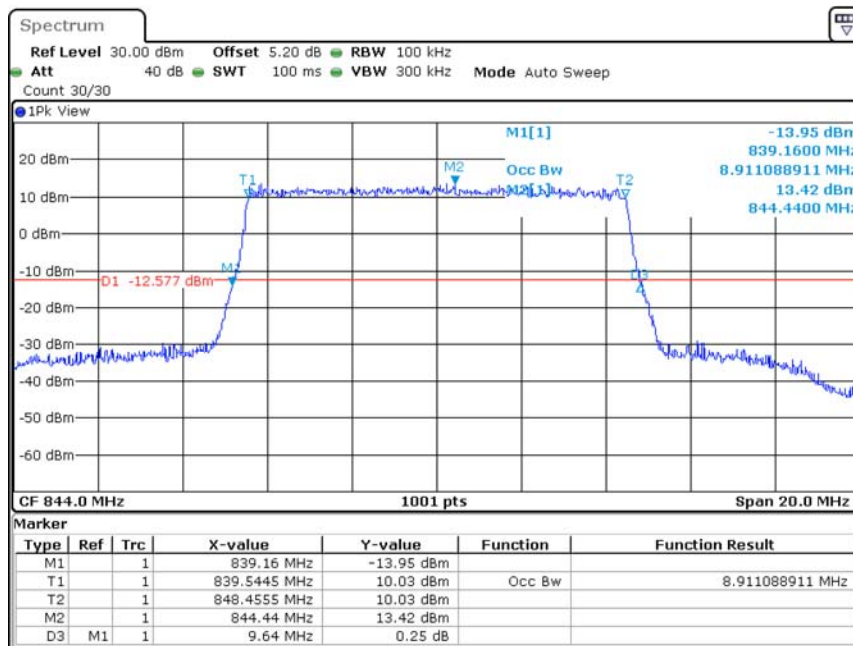
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Band5-10MHz-16QAM-20525-50RB#0-8.951



Date: 16.MAY.2021 11:19:37

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



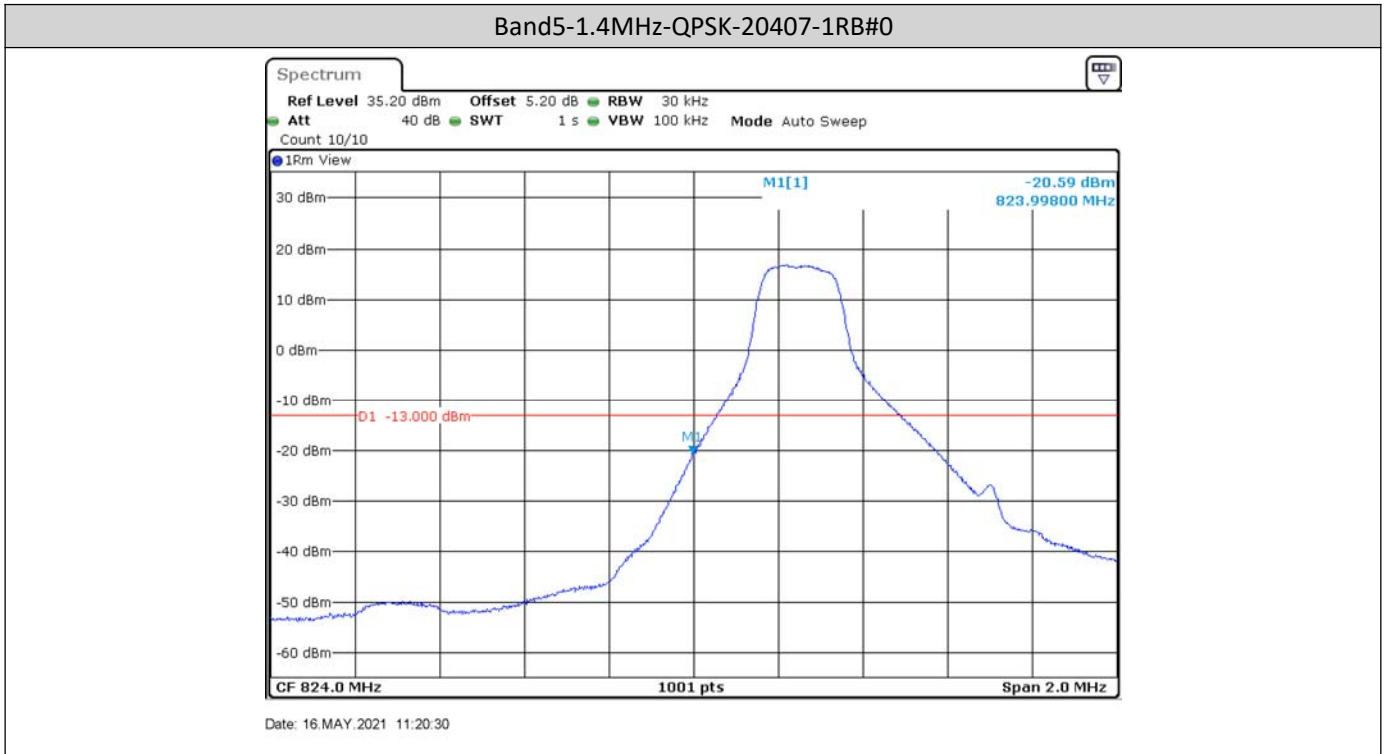
Date: 16.MAY.2021 11:20:03



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5. Band Edge Compliance

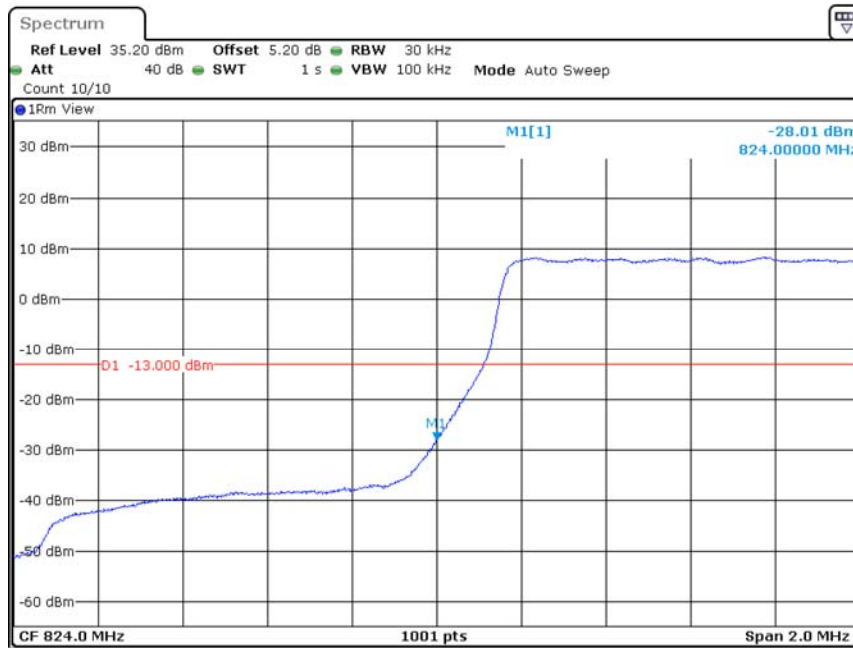
5.1. Test Plots



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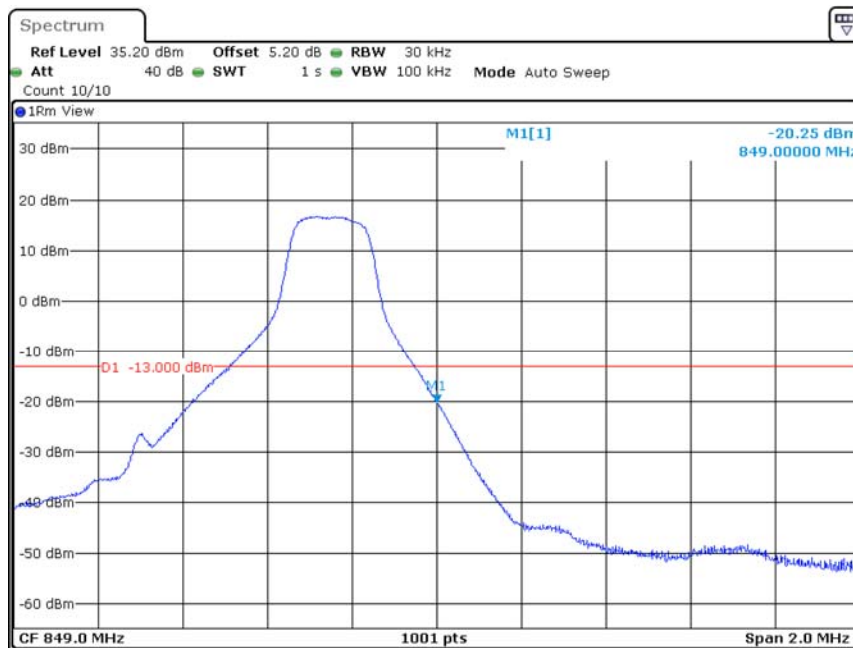
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Band5-1.4MHz-QPSK-20407-6RB#0



Date: 16.MAY.2021 11:21:12

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



Date: 16.MAY.2021 11:21:57



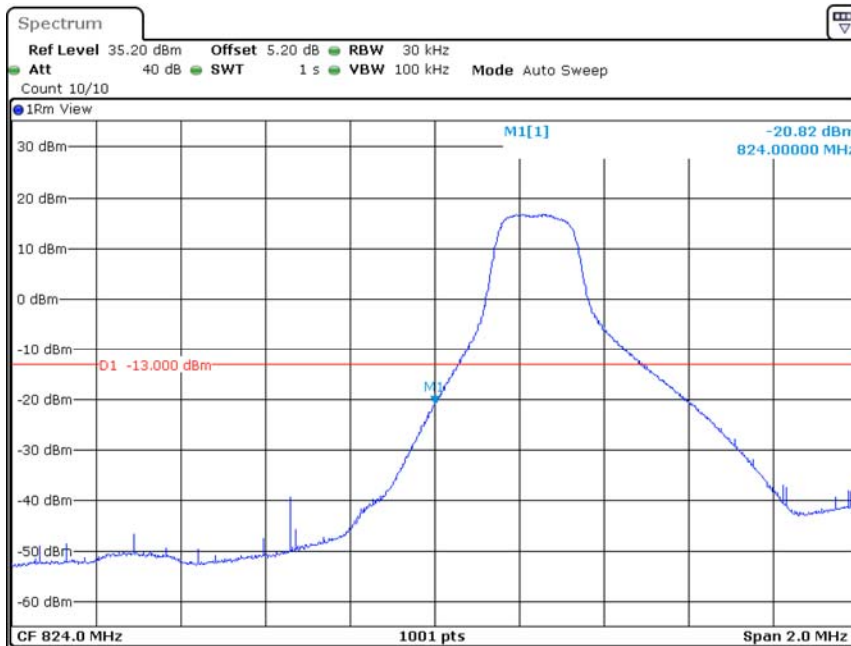
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Band5-1.4MHz-QPSK-20643-6RB#0



Date: 16.MAY.2021 11:22:39

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



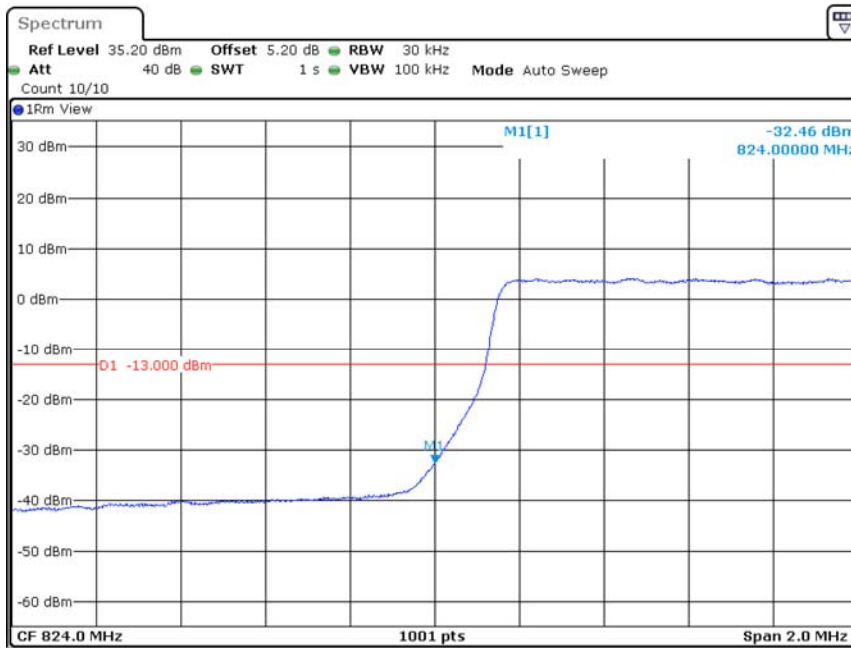
Date: 16.MAY.2021 11:23:26



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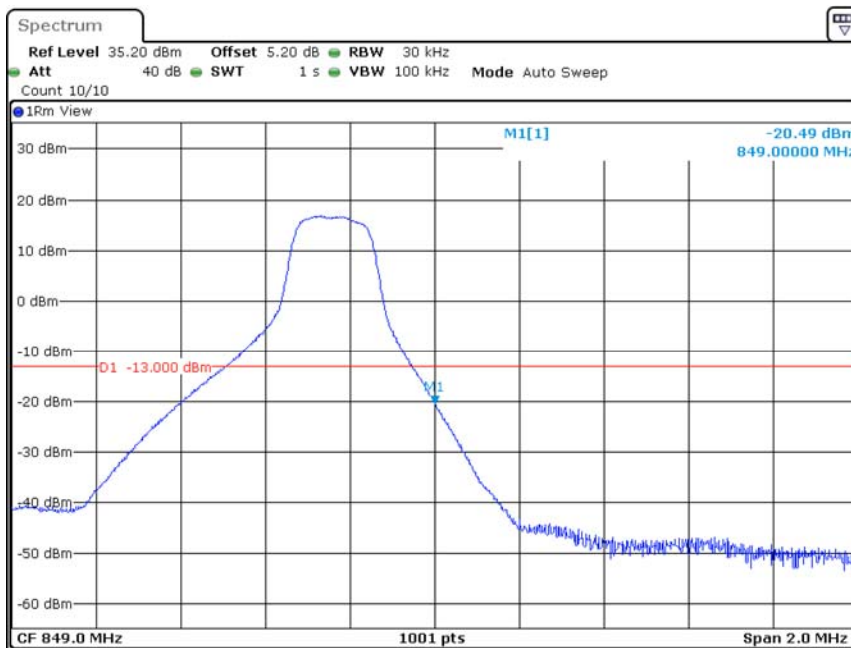
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Band5-3MHz-QPSK-20415-15RB#0



Date: 16.MAY.2021 11:24:07

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



Date: 16.MAY.2021 11:24:52



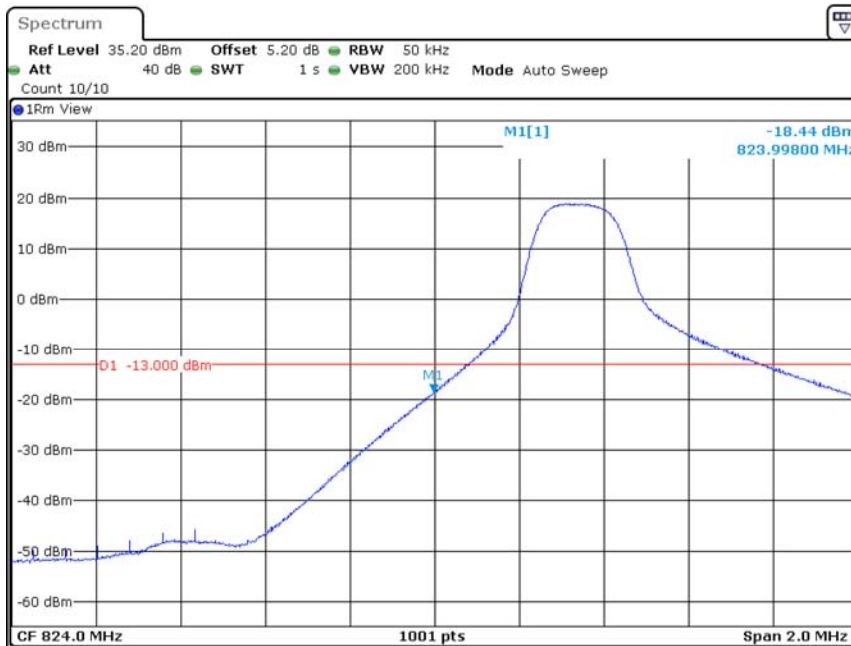
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Band5-3MHz-QPSK-20635-15RB#0



Date: 16.MAY.2021 11:25:34

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



Date: 16.MAY.2021 11:26:21



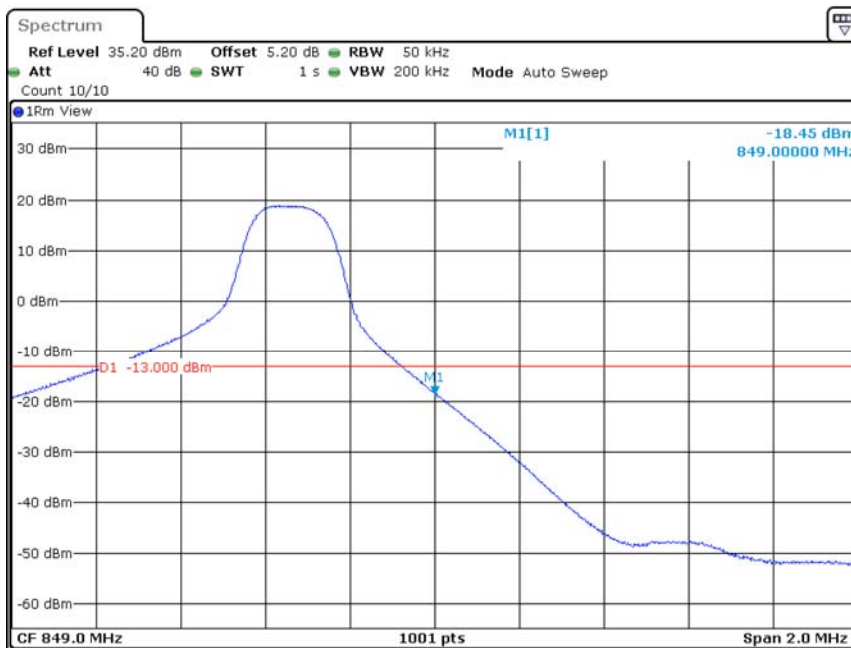
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Band5-5MHz-QPSK-20425-25RB#0



Date: 16.MAY.2021 11:27:02

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



Date: 16.MAY.2021 11:27:48



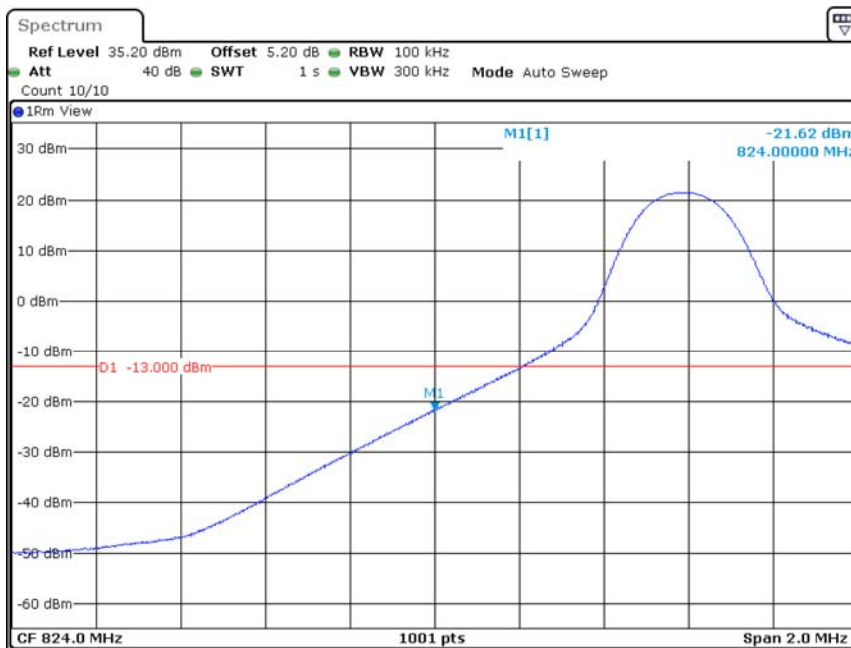
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Band5-5MHz-QPSK-20625-25RB#0



Date: 16.MAY.2021 11:28:29

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

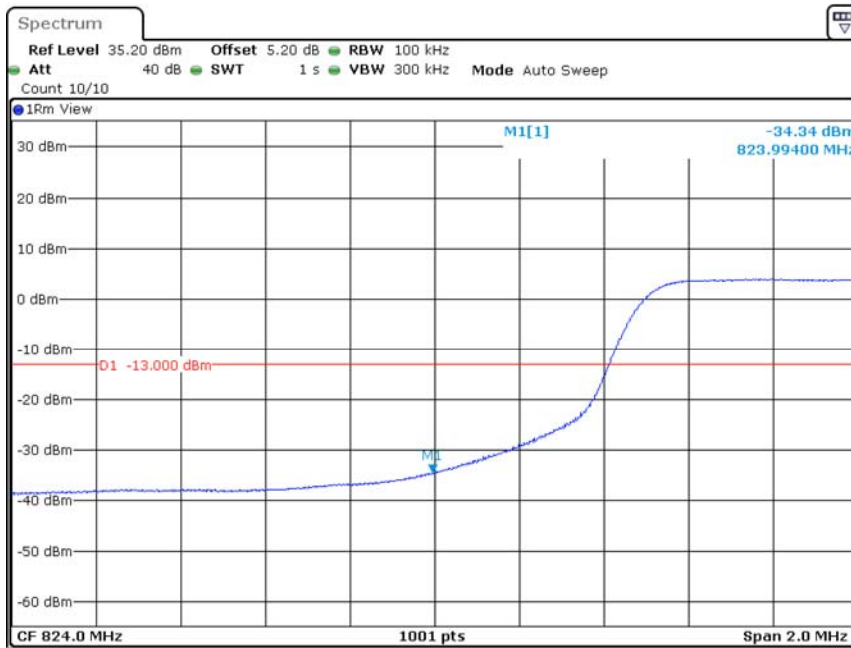


Date: 16.MAY.2021 11:29:16



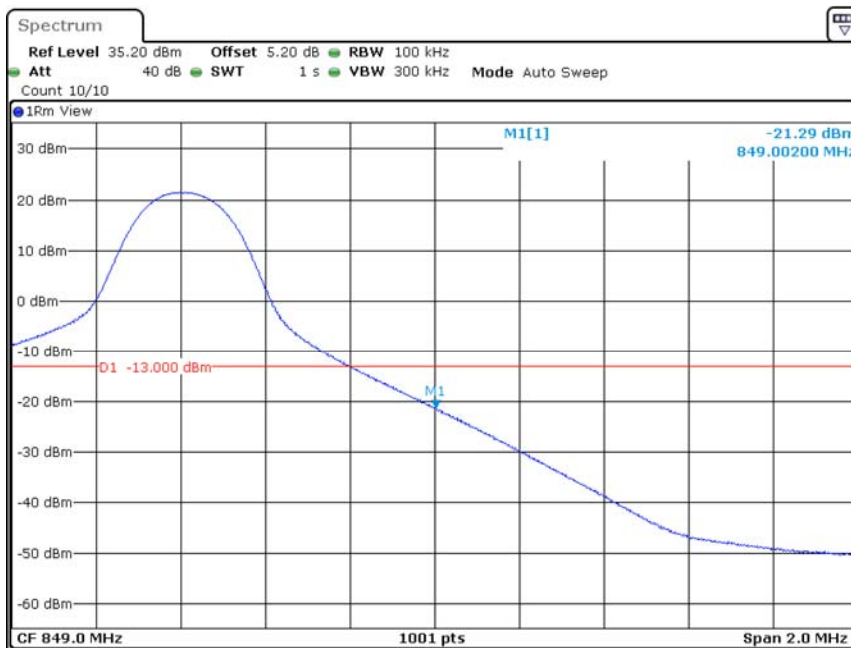
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Band5-10MHz-QPSK-20450-50RB#0



Date: 16.MAY.2021 11:29:57

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

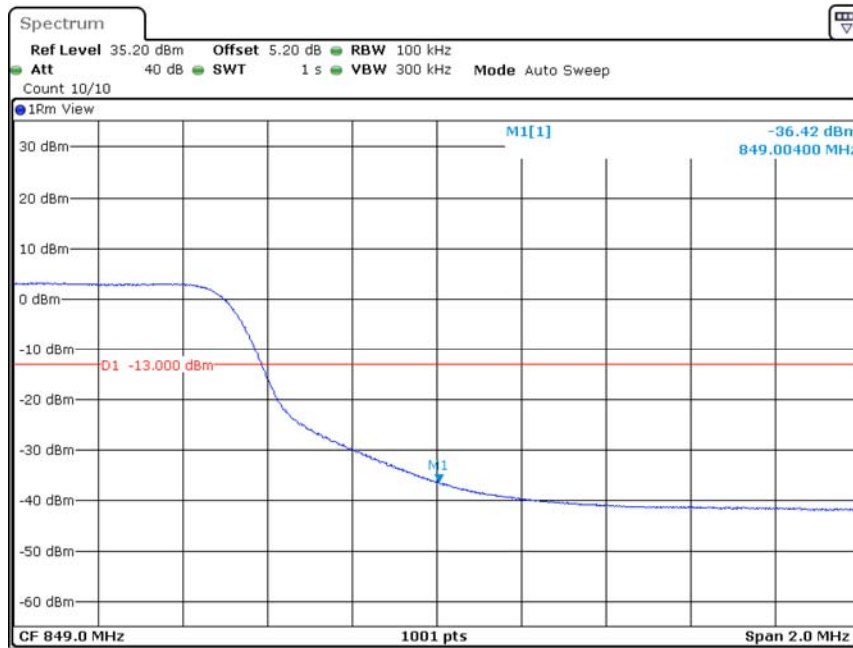


Date: 16.MAY.2021 11:30:42



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



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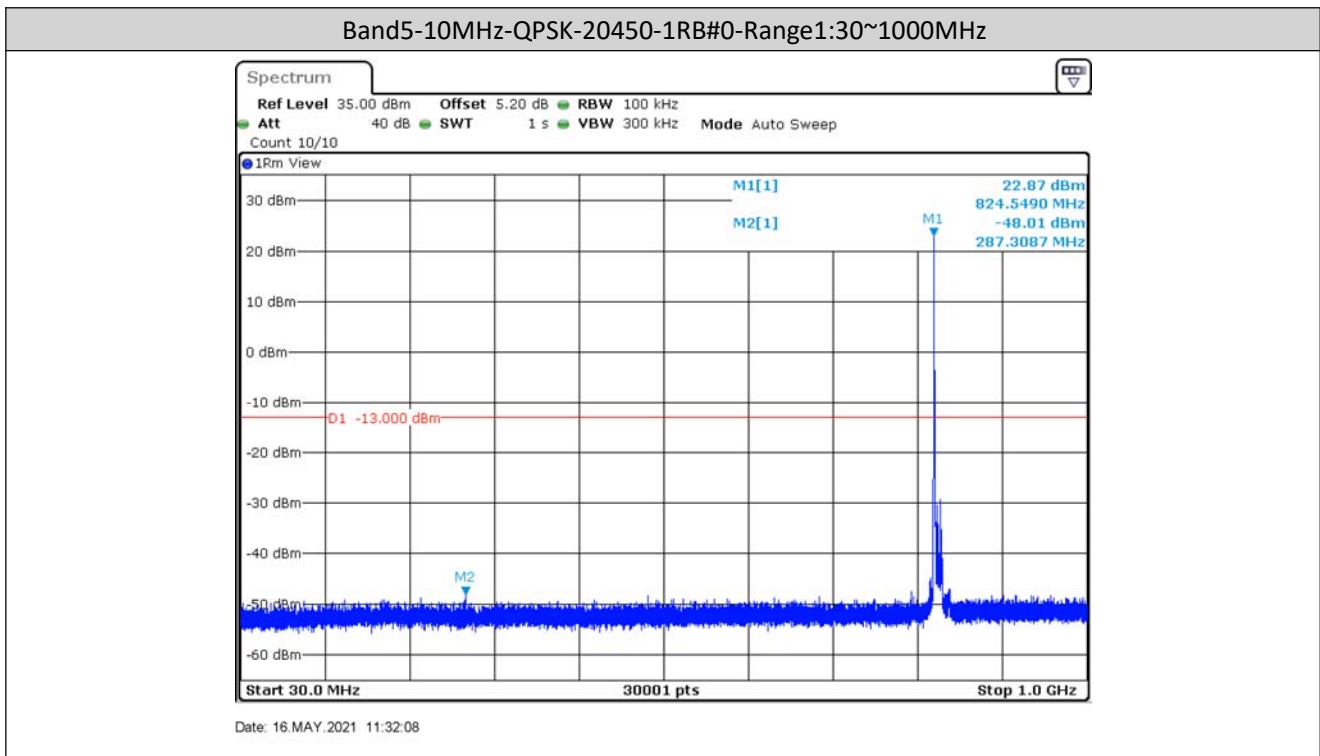
6. Spurious Emission at Antenna Terminal

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: 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.

Remark3: 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 had been displayed.

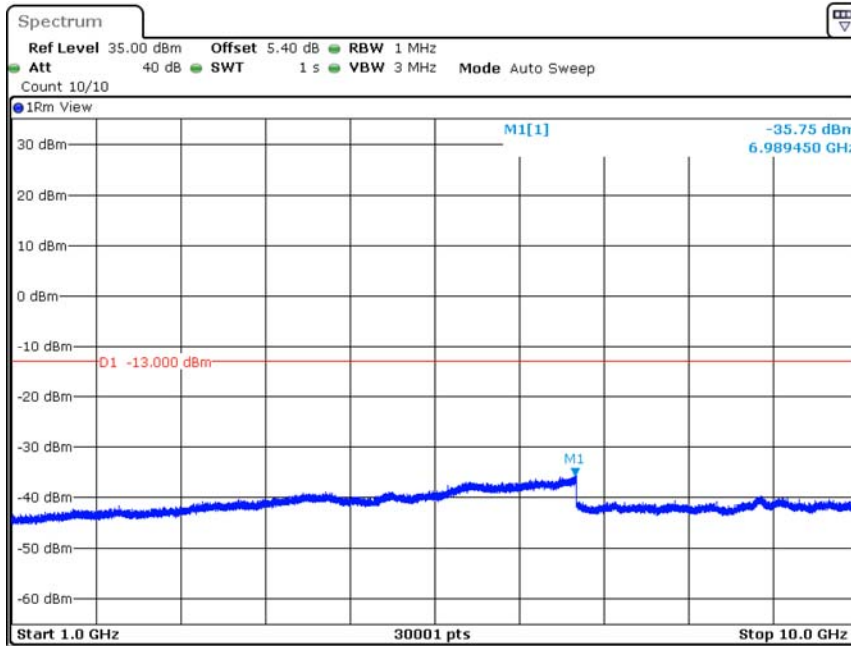
6.1. Test Plots



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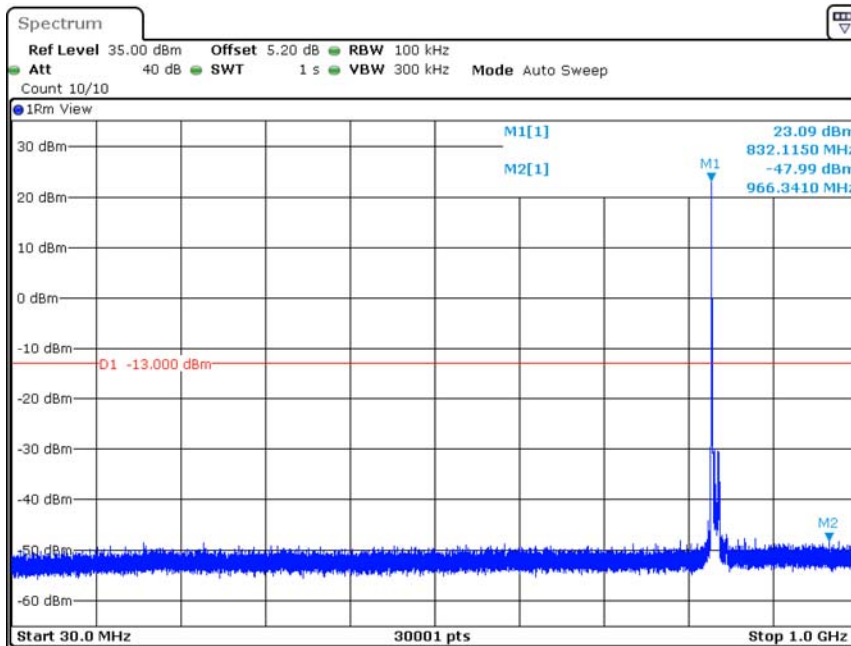
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Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~10000MHz



Date: 16.MAY.2021 11:32:24

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

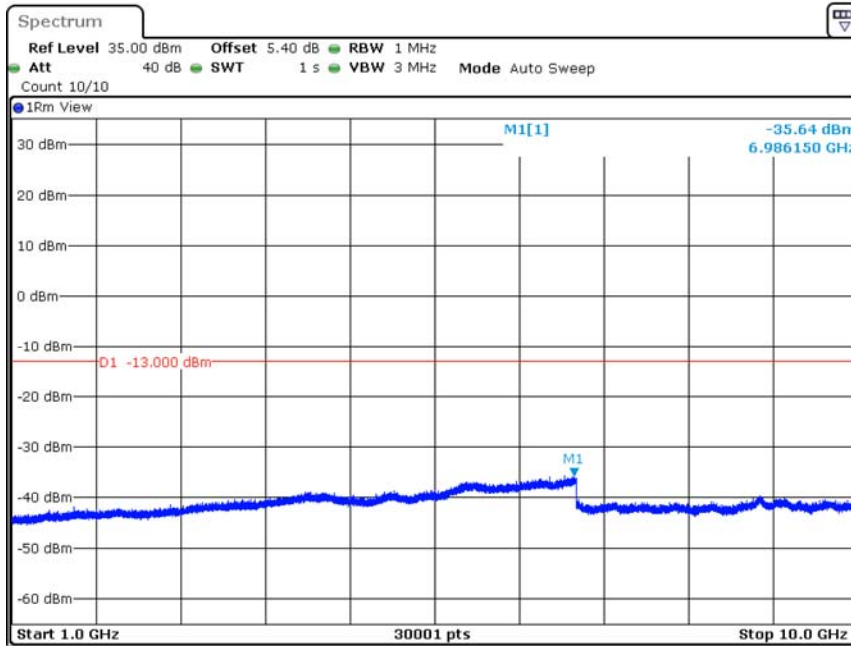


Date: 16.MAY.2021 11:33:19



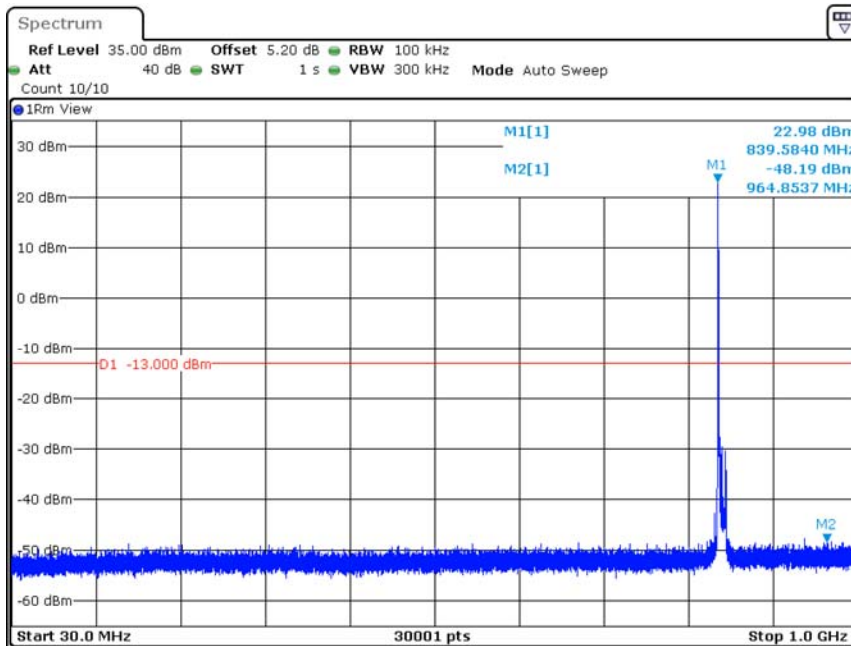
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Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Date: 16.MAY.2021 11:33:35

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



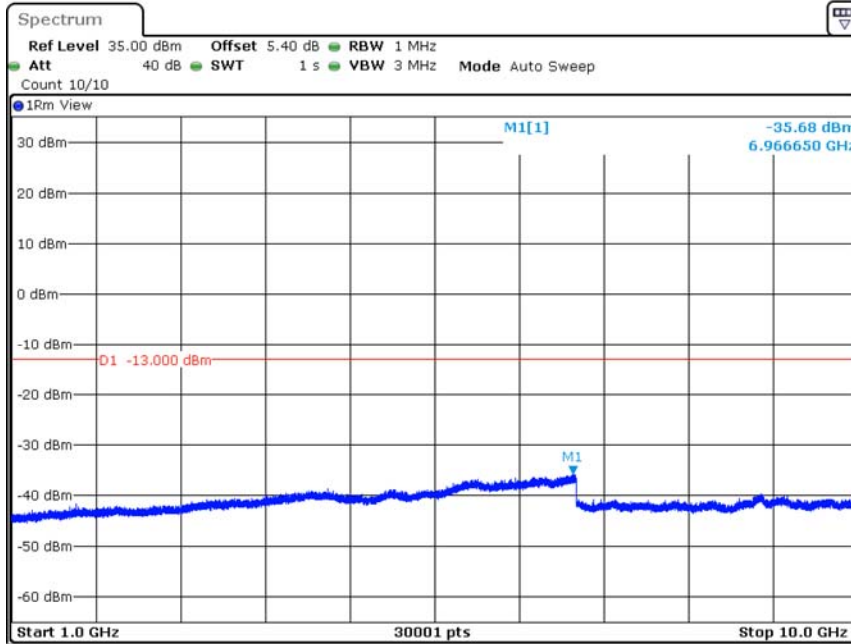
Date: 16.MAY.2021 11:34:31



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



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7. Field Strength of Spurious Radiation

7.1. Test Band =Band 5

7.1.1. Test Channel = Low Channel

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1078.3039	27.14	-43.08	-13.00	30.08	Horizontal
2	1656.8328	29.51	-40.78	-13.00	27.78	Horizontal
3	2941.2971	29.81	-34.94	-13.00	21.94	Horizontal
4	4458.8229	50.92	-61.00	-13.00	48.00	Horizontal
5	8419.0210	48.16	-52.88	-13.00	39.88	Horizontal
6	17994.749	46.93	-46.84	-13.00	33.84	Horizontal



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7.2. Test Band = Band 5

7.2.1. Test Channel = Low Channel

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1160.1080	27.25	-43.21	-13.00	30.21	Vertical
2	1970.0485	27.97	-40.68	-13.00	27.68	Vertical
3	2955.8978	29.91	-34.81	-13.00	21.81	Vertical
4	4530.8265	53.20	-58.63	-13.00	45.63	Vertical
5	7968.9985	51.72	-50.22	-13.00	37.22	Vertical
6	17912.245	46.13	-46.83	-13.00	33.83	Vertical



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7.3. Test Band = Band 5

7.3.1. Test Channel = Mid Channel

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1369.2185	27.37	-42.81	-13.00	29.81	Horizontal
2	1674.5337	30.09	-40.11	-13.00	27.11	Horizontal
3	2693.9847	29.49	-36.34	-13.00	23.34	Horizontal
4	5482.6241	49.16	-58.88	-13.00	45.88	Horizontal
5	11890.1945	44.90	-49.42	-13.00	36.42	Horizontal
6	17985.749	46.61	-46.97	-13.00	33.97	Horizontal



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7.4. Test Band = Band 5

7.4.1. Test Channel = Mid Channel

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1196.5098	27.63	-43.05	-13.00	30.05	Vertical
2	2092.7546	29.25	-39.36	-13.00	26.36	Vertical
3	2980.1990	29.41	-35.30	-13.00	22.30	Vertical
4	4531.5766	53.32	-58.51	-13.00	45.51	Vertical
5	7968.9985	51.21	-50.73	-13.00	37.73	Vertical
6	17947.497	45.87	-46.97	-13.00	33.97	Vertical



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7.5. Test Band = Band 5

7.5.1. Test Channel = High Channel

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1164.6082	27.32	-43.03	-13.00	30.03	Horizontal
2	1688.2344	30.22	-39.74	-13.00	26.74	Horizontal
3	2997.6999	29.41	-35.11	-13.00	22.11	Horizontal
4	5243.3622	49.29	-59.68	-13.00	46.68	Horizontal
5	10644.382	45.83	-51.01	-13.00	38.01	Horizontal
6	17934.746	45.89	-46.99	-13.00	33.99	Horizontal



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7.6. Test Band = Band 5

7.6.1. Test Channel = High Channel

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1173.6087	27.40	-42.96	-13.00	29.96	Vertical
2	2272.1636	28.78	-39.01	-13.00	26.01	Vertical
3	2976.3988	29.53	-35.26	-13.00	22.26	Vertical
4	6540.9270	48.02	-57.19	-13.00	44.19	Vertical
5	11795.6898	45.45	-49.70	-13.00	36.70	Vertical
6	17924.246	46.15	-46.77	-13.00	33.77	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

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	5.70	0.006876	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	-3.30	-0.003981	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	2.00	0.002413	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-0.10	-0.000120	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	5.20	0.006216	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-2.90	-0.003467	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	1.00	0.001185	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	5.10	0.006043	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	3.70	0.004384	±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	0.10	0.000121	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	-4.70	-0.005669	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	2.90	0.003498	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	1.10	0.001327	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	1.40	0.001689	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	1.90	0.002292	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	3.20	0.003860	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	9.60	0.011580	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	4.70	0.005669	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	7.70	0.009205	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-0.60	-0.000717	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-0.20	-0.000239	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-3.10	-0.003706	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	1.50	0.001793	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	5.20	0.006216	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-2.40	-0.002869	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-0.90	-0.001076	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-1.50	-0.001793	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-1.30	-0.001540	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	1.20	0.001422	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	4.50	0.005332	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	9.00	0.010664	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	3.50	0.004147	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	-2.50	-0.002962	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	4.60	0.005450	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	5.30	0.006280	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	-1.40	-0.001659	±2.5	PASS



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