



# Appendix B

## E-UTRA Band 41



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# 1. Effective (Isotropic) Radiated Power

## 1.1. Test Result

### Main Antenna

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power (dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band41	5MHz	QPSK	40165	1RB#0	22.50	22.4	33.00	PASS
Band41	5MHz	QPSK	40165	1RB#12	22.49	22.39	33.00	PASS
Band41	5MHz	QPSK	40165	1RB#24	22.55	22.45	33.00	PASS
Band41	5MHz	QPSK	40165	12RB#0	21.51	21.41	33.00	PASS
Band41	5MHz	QPSK	40165	12RB#6	21.56	21.46	33.00	PASS
Band41	5MHz	QPSK	40165	12RB#13	21.41	21.31	33.00	PASS
Band41	5MHz	QPSK	40165	25RB#0	21.52	21.42	33.00	PASS
Band41	5MHz	QPSK	40690	1RB#0	22.58	22.48	33.00	PASS
Band41	5MHz	QPSK	40690	1RB#12	22.58	22.48	33.00	PASS
Band41	5MHz	QPSK	40690	1RB#24	22.68	22.58	33.00	PASS
Band41	5MHz	QPSK	40690	12RB#0	21.64	21.54	33.00	PASS
Band41	5MHz	QPSK	40690	12RB#6	21.60	21.5	33.00	PASS
Band41	5MHz	QPSK	40690	12RB#13	21.55	21.45	33.00	PASS
Band41	5MHz	QPSK	40690	25RB#0	21.63	21.53	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#0	22.53	22.43	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#12	22.38	22.28	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#24	22.46	22.36	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#0	21.49	21.39	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#6	21.43	21.33	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#13	21.33	21.23	33.00	PASS
Band41	5MHz	QPSK	41215	25RB#0	21.45	21.35	33.00	PASS
Band41	5MHz	64QAM	40165	1RB#0	20.55	20.45	33.00	PASS
Band41	5MHz	64QAM	40165	1RB#12	20.33	20.23	33.00	PASS
Band41	5MHz	64QAM	40165	1RB#24	20.63	20.53	33.00	PASS
Band41	5MHz	64QAM	40165	12RB#0	19.50	19.40	33.00	PASS
Band41	5MHz	64QAM	40165	12RB#6	19.59	19.49	33.00	PASS
Band41	5MHz	64QAM	40165	12RB#13	19.52	19.42	33.00	PASS
Band41	5MHz	64QAM	40165	25RB#0	19.62	19.52	33.00	PASS
Band41	5MHz	64QAM	40690	1RB#0	20.58	20.48	33.00	PASS
Band41	5MHz	64QAM	40690	1RB#12	20.46	20.36	33.00	PASS
Band41	5MHz	64QAM	40690	1RB#24	20.67	20.57	33.00	PASS



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Band41	5MHz	64QAM	40690	12RB#0	19.70	19.60	33.00	PASS
Band41	5MHz	64QAM	40690	12RB#6	19.60	19.50	33.00	PASS
Band41	5MHz	64QAM	40690	12RB#13	19.49	19.39	33.00	PASS
Band41	5MHz	64QAM	40690	25RB#0	19.71	19.61	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#0	20.54	20.44	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#12	20.26	20.16	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#24	20.54	20.44	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#0	19.56	19.46	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#6	19.49	19.39	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#13	19.44	19.34	33.00	PASS
Band41	5MHz	64QAM	41215	25RB#0	19.54	19.44	33.00	PASS
Band41	5MHz	16QAM	40165	1RB#0	21.44	21.34	33.00	PASS
Band41	5MHz	16QAM	40165	1RB#12	21.35	21.25	33.00	PASS
Band41	5MHz	16QAM	40165	1RB#24	21.55	21.45	33.00	PASS
Band41	5MHz	16QAM	40165	12RB#0	20.61	20.51	33.00	PASS
Band41	5MHz	16QAM	40165	12RB#6	20.65	20.55	33.00	PASS
Band41	5MHz	16QAM	40165	12RB#13	20.49	20.39	33.00	PASS
Band41	5MHz	16QAM	40165	25RB#0	20.55	20.45	33.00	PASS
Band41	5MHz	16QAM	40690	1RB#0	21.53	21.43	33.00	PASS
Band41	5MHz	16QAM	40690	1RB#12	21.41	21.31	33.00	PASS
Band41	5MHz	16QAM	40690	1RB#24	21.63	21.53	33.00	PASS
Band41	5MHz	16QAM	40690	12RB#0	20.66	20.56	33.00	PASS
Band41	5MHz	16QAM	40690	12RB#6	20.57	20.47	33.00	PASS
Band41	5MHz	16QAM	40690	12RB#13	20.49	20.39	33.00	PASS
Band41	5MHz	16QAM	40690	25RB#0	20.66	20.56	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#0	21.52	21.42	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#12	21.22	21.12	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#24	21.50	21.40	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#0	20.52	20.42	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#6	20.45	20.35	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#13	20.40	20.30	33.00	PASS
Band41	5MHz	16QAM	41215	25RB#0	20.47	20.37	33.00	PASS
Band41	10MHz	QPSK	40190	1RB#0	22.59	22.49	33.00	PASS
Band41	10MHz	QPSK	40190	1RB#24	22.32	22.22	33.00	PASS
Band41	10MHz	QPSK	40190	1RB#49	22.66	22.56	33.00	PASS
Band41	10MHz	QPSK	40190	25RB#0	21.55	21.45	33.00	PASS
Band41	10MHz	QPSK	40190	25RB#12	21.54	21.44	33.00	PASS
Band41	10MHz	QPSK	40190	25RB#25	21.71	21.61	33.00	PASS



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Band41	10MHz	QPSK	40190	50RB#0	21.58	21.48	33.00	PASS
Band41	10MHz	QPSK	40690	1RB#0	22.60	22.50	33.00	PASS
Band41	10MHz	QPSK	40690	1RB#24	22.45	22.35	33.00	PASS
Band41	10MHz	QPSK	40690	1RB#49	22.63	22.53	33.00	PASS
Band41	10MHz	QPSK	40690	25RB#0	21.76	21.66	33.00	PASS
Band41	10MHz	QPSK	40690	25RB#12	21.61	21.51	33.00	PASS
Band41	10MHz	QPSK	40690	25RB#25	21.58	21.48	33.00	PASS
Band41	10MHz	QPSK	40690	50RB#0	21.67	21.57	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#0	22.51	22.41	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#24	22.34	22.24	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#49	22.47	22.37	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#0	21.47	21.37	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#12	21.45	21.35	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#25	21.48	21.38	33.00	PASS
Band41	10MHz	QPSK	41190	50RB#0	21.46	21.36	33.00	PASS
Band41	10MHz	64QAM	40190	1RB#0	20.64	20.54	33.00	PASS
Band41	10MHz	64QAM	40190	1RB#24	20.40	20.30	33.00	PASS
Band41	10MHz	64QAM	40190	1RB#49	20.65	20.55	33.00	PASS
Band41	10MHz	64QAM	40190	25RB#0	19.66	19.56	33.00	PASS
Band41	10MHz	64QAM	40190	25RB#12	19.66	19.56	33.00	PASS
Band41	10MHz	64QAM	40190	25RB#25	19.63	19.53	33.00	PASS
Band41	10MHz	64QAM	40190	50RB#0	19.69	19.59	33.00	PASS
Band41	10MHz	64QAM	40690	1RB#0	20.59	20.49	33.00	PASS
Band41	10MHz	64QAM	40690	1RB#24	20.62	20.52	33.00	PASS
Band41	10MHz	64QAM	40690	1RB#49	20.61	20.51	33.00	PASS
Band41	10MHz	64QAM	40690	25RB#0	19.67	19.57	33.00	PASS
Band41	10MHz	64QAM	40690	25RB#12	19.70	19.60	33.00	PASS
Band41	10MHz	64QAM	40690	25RB#25	19.57	19.47	33.00	PASS
Band41	10MHz	64QAM	40690	50RB#0	19.73	19.63	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#0	20.51	20.41	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#24	20.34	20.24	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#49	20.52	20.42	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#0	19.59	19.49	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#12	19.58	19.48	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#25	19.51	19.41	33.00	PASS
Band41	10MHz	64QAM	41190	50RB#0	19.57	19.47	33.00	PASS
Band41	10MHz	16QAM	40190	1RB#0	21.60	21.50	33.00	PASS
Band41	10MHz	16QAM	40190	1RB#24	21.53	21.43	33.00	PASS



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Band41	10MHz	16QAM	40190	1RB#49	21.64	21.54	33.00	PASS
Band41	10MHz	16QAM	40190	25RB#0	20.60	20.50	33.00	PASS
Band41	10MHz	16QAM	40190	25RB#12	20.63	20.53	33.00	PASS
Band41	10MHz	16QAM	40190	25RB#25	20.68	20.58	33.00	PASS
Band41	10MHz	16QAM	40190	50RB#0	20.69	20.59	33.00	PASS
Band41	10MHz	16QAM	40690	1RB#0	21.53	21.43	33.00	PASS
Band41	10MHz	16QAM	40690	1RB#24	21.59	21.49	33.00	PASS
Band41	10MHz	16QAM	40690	1RB#49	21.57	21.47	33.00	PASS
Band41	10MHz	16QAM	40690	25RB#0	20.61	20.51	33.00	PASS
Band41	10MHz	16QAM	40690	25RB#12	20.66	20.56	33.00	PASS
Band41	10MHz	16QAM	40690	25RB#25	20.53	20.43	33.00	PASS
Band41	10MHz	16QAM	40690	50RB#0	20.72	20.62	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#0	21.44	21.34	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#24	21.39	21.29	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#49	21.49	21.39	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#0	20.53	20.43	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#12	20.52	20.42	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#25	20.46	20.36	33.00	PASS
Band41	10MHz	16QAM	41190	50RB#0	20.55	20.45	33.00	PASS
Band41	15MHz	QPSK	40215	1RB#0	22.61	22.51	33.00	PASS
Band41	15MHz	QPSK	40215	1RB#38	22.76	22.66	33.00	PASS
Band41	15MHz	QPSK	40215	1RB#74	22.70	22.60	33.00	PASS
Band41	15MHz	QPSK	40215	36RB#0	21.50	21.40	33.00	PASS
Band41	15MHz	QPSK	40215	36RB#18	21.56	21.46	33.00	PASS
Band41	15MHz	QPSK	40215	36RB#39	21.80	21.70	33.00	PASS
Band41	15MHz	QPSK	40215	75RB#0	21.58	21.48	33.00	PASS
Band41	15MHz	QPSK	40690	1RB#0	22.61	22.51	33.00	PASS
Band41	15MHz	QPSK	40690	1RB#38	22.54	22.44	33.00	PASS
Band41	15MHz	QPSK	40690	1RB#74	22.63	22.53	33.00	PASS
Band41	15MHz	QPSK	40690	36RB#0	21.82	21.72	33.00	PASS
Band41	15MHz	QPSK	40690	36RB#18	21.63	21.53	33.00	PASS
Band41	15MHz	QPSK	40690	36RB#39	21.56	21.46	33.00	PASS
Band41	15MHz	QPSK	40690	75RB#0	21.67	21.57	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#0	22.50	22.40	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#38	22.50	22.40	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#74	22.54	22.44	33.00	PASS
Band41	15MHz	QPSK	41165	36RB#0	21.63	21.53	33.00	PASS
Band41	15MHz	QPSK	41165	36RB#18	21.47	21.37	33.00	PASS



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Band41	15MHz	QPSK	41165	36RB#39	21.49	21.39	33.00	PASS
Band41	15MHz	QPSK	41165	75RB#0	21.61	21.51	33.00	PASS
Band41	15MHz	64QAM	40215	1RB#0	20.68	20.58	33.00	PASS
Band41	15MHz	64QAM	40215	1RB#38	20.46	20.36	33.00	PASS
Band41	15MHz	64QAM	40215	1RB#74	20.66	20.56	33.00	PASS
Band41	15MHz	64QAM	40215	36RB#0	19.51	19.41	33.00	PASS
Band41	15MHz	64QAM	40215	36RB#18	19.70	19.60	33.00	PASS
Band41	15MHz	64QAM	40215	36RB#39	19.63	19.53	33.00	PASS
Band41	15MHz	64QAM	40215	75RB#0	19.63	19.53	33.00	PASS
Band41	15MHz	64QAM	40690	1RB#0	20.63	20.53	33.00	PASS
Band41	15MHz	64QAM	40690	1RB#38	20.59	20.49	33.00	PASS
Band41	15MHz	64QAM	40690	1RB#74	20.65	20.55	33.00	PASS
Band41	15MHz	64QAM	40690	36RB#0	19.68	19.58	33.00	PASS
Band41	15MHz	64QAM	40690	36RB#18	19.71	19.61	33.00	PASS
Band41	15MHz	64QAM	40690	36RB#39	19.76	19.66	33.00	PASS
Band41	15MHz	64QAM	40690	75RB#0	19.72	19.62	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#0	20.49	20.39	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#38	20.33	20.23	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#74	20.63	20.53	33.00	PASS
Band41	15MHz	64QAM	41165	36RB#0	19.63	19.53	33.00	PASS
Band41	15MHz	64QAM	41165	36RB#18	19.52	19.42	33.00	PASS
Band41	15MHz	64QAM	41165	36RB#39	19.60	19.50	33.00	PASS
Band41	15MHz	64QAM	41165	75RB#0	19.36	19.26	33.00	PASS
Band41	15MHz	16QAM	40215	1RB#0	21.60	21.50	33.00	PASS
Band41	15MHz	16QAM	40215	1RB#38	21.46	21.36	33.00	PASS
Band41	15MHz	16QAM	40215	1RB#74	21.64	21.54	33.00	PASS
Band41	15MHz	16QAM	40215	36RB#0	20.50	20.40	33.00	PASS
Band41	15MHz	16QAM	40215	36RB#18	20.69	20.59	33.00	PASS
Band41	15MHz	16QAM	40215	36RB#39	20.78	20.68	33.00	PASS
Band41	15MHz	16QAM	40215	75RB#0	20.63	20.53	33.00	PASS
Band41	15MHz	16QAM	40690	1RB#0	21.55	21.45	33.00	PASS
Band41	15MHz	16QAM	40690	1RB#38	21.56	21.46	33.00	PASS
Band41	15MHz	16QAM	40690	1RB#74	21.61	21.51	33.00	PASS
Band41	15MHz	16QAM	40690	36RB#0	20.67	20.57	33.00	PASS
Band41	15MHz	16QAM	40690	36RB#18	20.70	20.60	33.00	PASS
Band41	15MHz	16QAM	40690	36RB#39	20.75	20.65	33.00	PASS
Band41	15MHz	16QAM	40690	75RB#0	20.72	20.62	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#0	21.41	21.31	33.00	PASS



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Band41	15MHz	16QAM	41165	1RB#38	21.62	21.52	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#74	21.58	21.48	33.00	PASS
Band41	15MHz	16QAM	41165	36RB#0	20.62	20.52	33.00	PASS
Band41	15MHz	16QAM	41165	36RB#18	20.55	20.45	33.00	PASS
Band41	15MHz	16QAM	41165	36RB#39	20.59	20.49	33.00	PASS
Band41	15MHz	16QAM	41165	75RB#0	20.55	20.45	33.00	PASS
Band41	20MHz	QPSK	40240	1RB#0	22.67	22.57	33.00	PASS
Band41	20MHz	QPSK	40240	1RB#49	22.32	22.22	33.00	PASS
Band41	20MHz	QPSK	40240	1RB#99	22.82	22.72	33.00	PASS
Band41	20MHz	QPSK	40240	50RB#0	21.66	21.56	33.00	PASS
Band41	20MHz	QPSK	40240	50RB#25	21.59	21.49	33.00	PASS
Band41	20MHz	QPSK	40240	50RB#50	21.57	21.47	33.00	PASS
Band41	20MHz	QPSK	40240	100RB#0	21.62	21.52	33.00	PASS
Band41	20MHz	QPSK	40690	1RB#0	22.64	22.54	33.00	PASS
Band41	20MHz	QPSK	40690	1RB#49	22.36	22.26	33.00	PASS
Band41	20MHz	QPSK	40690	1RB#99	22.81	22.71	33.00	PASS
Band41	20MHz	QPSK	40690	50RB#0	21.68	21.58	33.00	PASS
Band41	20MHz	QPSK	40690	50RB#25	21.59	21.49	33.00	PASS
Band41	20MHz	QPSK	40690	50RB#50	21.60	21.50	33.00	PASS
Band41	20MHz	QPSK	40690	100RB#0	21.74	21.64	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#0	22.60	22.50	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#49	22.29	22.19	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#99	22.62	22.52	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#0	21.60	21.5	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#25	21.48	21.38	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#50	21.48	21.38	33.00	PASS
Band41	20MHz	QPSK	41140	100RB#0	21.53	21.43	33.00	PASS
Band41	20MHz	64QAM	40240	1RB#0	20.69	20.59	33.00	PASS
Band41	20MHz	64QAM	40240	1RB#49	20.49	20.39	33.00	PASS
Band41	20MHz	64QAM	40240	1RB#99	20.82	20.72	33.00	PASS
Band41	20MHz	64QAM	40240	50RB#0	19.69	19.59	33.00	PASS
Band41	20MHz	64QAM	40240	50RB#25	19.67	19.57	33.00	PASS
Band41	20MHz	64QAM	40240	50RB#50	19.67	19.57	33.00	PASS
Band41	20MHz	64QAM	40240	100RB#0	19.64	19.54	33.00	PASS
Band41	20MHz	64QAM	40690	1RB#0	20.54	20.44	33.00	PASS
Band41	20MHz	64QAM	40690	1RB#49	20.43	20.33	33.00	PASS
Band41	20MHz	64QAM	40690	1RB#99	20.78	20.68	33.00	PASS
Band41	20MHz	64QAM	40690	50RB#0	19.70	19.60	33.00	PASS



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Band41	20MHz	64QAM	40690	50RB#25	19.58	19.48	33.00	PASS
Band41	20MHz	64QAM	40690	50RB#50	19.76	19.66	33.00	PASS
Band41	20MHz	64QAM	40690	100RB#0	19.75	19.65	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#0	20.61	20.51	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#49	20.14	20.04	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#99	20.52	20.42	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#0	19.65	19.55	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#25	19.55	19.45	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#50	19.55	19.45	33.00	PASS
Band41	20MHz	64QAM	41140	100RB#0	19.51	19.41	33.00	PASS
Band41	20MHz	16QAM	40240	1RB#0	21.81	21.71	33.00	PASS
Band41	20MHz	16QAM	40240	1RB#49	21.61	21.51	33.00	PASS
Band41	20MHz	16QAM	40240	1RB#99	22.01	21.91	33.00	PASS
Band41	20MHz	16QAM	40240	50RB#0	20.80	20.70	33.00	PASS
Band41	20MHz	16QAM	40240	50RB#25	20.74	20.64	33.00	PASS
Band41	20MHz	16QAM	40240	50RB#50	20.70	20.60	33.00	PASS
Band41	20MHz	16QAM	40240	100RB#0	20.68	20.58	33.00	PASS
Band41	20MHz	16QAM	40690	1RB#0	21.72	21.62	33.00	PASS
Band41	20MHz	16QAM	40690	1RB#49	21.55	21.45	33.00	PASS
Band41	20MHz	16QAM	40690	1RB#99	21.89	21.79	33.00	PASS
Band41	20MHz	16QAM	40690	50RB#0	20.76	20.66	33.00	PASS
Band41	20MHz	16QAM	40690	50RB#25	20.61	20.51	33.00	PASS
Band41	20MHz	16QAM	40690	50RB#50	20.80	20.70	33.00	PASS
Band41	20MHz	16QAM	40690	100RB#0	20.79	20.69	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#0	21.45	21.35	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#49	20.99	20.89	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#99	21.36	21.26	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#0	20.63	20.53	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#25	20.50	20.40	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#50	20.51	20.41	33.00	PASS
Band41	20MHz	16QAM	41140	100RB#0	20.59	20.49	33.00	PASS



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**Secondary Antenna**

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power (dBm)	EIRP (dBm)	limit (dBm)	Verdict
Band41	5MHz	QPSK	40165	1RB#0	22.68	21.38	33.00	PASS
Band41	5MHz	QPSK	40165	1RB#12	22.61	21.31	33.00	PASS
Band41	5MHz	QPSK	40165	1RB#24	22.60	21.30	33.00	PASS
Band41	5MHz	QPSK	40165	12RB#0	21.72	20.42	33.00	PASS
Band41	5MHz	QPSK	40165	12RB#6	21.72	20.42	33.00	PASS
Band41	5MHz	QPSK	40165	12RB#13	21.77	20.47	33.00	PASS
Band41	5MHz	QPSK	40165	25RB#0	21.69	20.39	33.00	PASS
Band41	5MHz	QPSK	40690	1RB#0	22.63	21.33	33.00	PASS
Band41	5MHz	QPSK	40690	1RB#12	22.53	21.23	33.00	PASS
Band41	5MHz	QPSK	40690	1RB#24	22.62	21.32	33.00	PASS
Band41	5MHz	QPSK	40690	12RB#0	21.72	20.42	33.00	PASS
Band41	5MHz	QPSK	40690	12RB#6	21.74	20.44	33.00	PASS
Band41	5MHz	QPSK	40690	12RB#13	21.72	20.42	33.00	PASS
Band41	5MHz	QPSK	40690	25RB#0	21.69	20.39	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#0	22.62	21.32	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#12	22.53	21.23	33.00	PASS
Band41	5MHz	QPSK	41215	1RB#24	22.58	21.28	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#0	21.87	20.57	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#6	21.83	20.53	33.00	PASS
Band41	5MHz	QPSK	41215	12RB#13	21.65	20.35	33.00	PASS
Band41	5MHz	QPSK	41215	25RB#0	21.80	20.5	33.00	PASS
Band41	5MHz	64QAM	40165	1RB#0	20.87	19.57	33.00	PASS
Band41	5MHz	64QAM	40165	1RB#12	20.85	19.55	33.00	PASS
Band41	5MHz	64QAM	40165	1RB#24	20.90	19.6	33.00	PASS
Band41	5MHz	64QAM	40165	12RB#0	19.55	18.25	33.00	PASS
Band41	5MHz	64QAM	40165	12RB#6	19.54	18.24	33.00	PASS
Band41	5MHz	64QAM	40165	12RB#13	19.76	18.46	33.00	PASS
Band41	5MHz	64QAM	40165	25RB#0	19.66	18.36	33.00	PASS
Band41	5MHz	64QAM	40690	1RB#0	20.93	19.63	33.00	PASS
Band41	5MHz	64QAM	40690	1RB#12	20.85	19.55	33.00	PASS
Band41	5MHz	64QAM	40690	1RB#24	20.88	19.58	33.00	PASS
Band41	5MHz	64QAM	40690	12RB#0	19.63	18.33	33.00	PASS
Band41	5MHz	64QAM	40690	12RB#6	19.64	18.34	33.00	PASS
Band41	5MHz	64QAM	40690	12RB#13	19.59	18.29	33.00	PASS
Band41	5MHz	64QAM	40690	25RB#0	19.66	18.36	33.00	PASS



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Band41	5MHz	64QAM	41215	1RB#0	20.98	19.68	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#12	20.89	19.59	33.00	PASS
Band41	5MHz	64QAM	41215	1RB#24	20.94	19.64	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#0	19.70	18.40	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#6	19.67	18.37	33.00	PASS
Band41	5MHz	64QAM	41215	12RB#13	19.62	18.32	33.00	PASS
Band41	5MHz	64QAM	41215	25RB#0	19.65	18.35	33.00	PASS
Band41	5MHz	16QAM	40165	1RB#0	21.88	20.58	33.00	PASS
Band41	5MHz	16QAM	40165	1RB#12	21.90	20.6	33.00	PASS
Band41	5MHz	16QAM	40165	1RB#24	21.93	20.63	33.00	PASS
Band41	5MHz	16QAM	40165	12RB#0	20.57	19.27	33.00	PASS
Band41	5MHz	16QAM	40165	12RB#6	20.59	19.29	33.00	PASS
Band41	5MHz	16QAM	40165	12RB#13	20.52	19.22	33.00	PASS
Band41	5MHz	16QAM	40165	25RB#0	20.67	19.37	33.00	PASS
Band41	5MHz	16QAM	40690	1RB#0	21.96	20.66	33.00	PASS
Band41	5MHz	16QAM	40690	1RB#12	21.88	20.58	33.00	PASS
Band41	5MHz	16QAM	40690	1RB#24	21.89	20.59	33.00	PASS
Band41	5MHz	16QAM	40690	12RB#0	20.63	19.33	33.00	PASS
Band41	5MHz	16QAM	40690	12RB#6	20.66	19.36	33.00	PASS
Band41	5MHz	16QAM	40690	12RB#13	20.65	19.35	33.00	PASS
Band41	5MHz	16QAM	40690	25RB#0	20.66	19.36	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#0	22.02	20.72	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#12	21.93	20.63	33.00	PASS
Band41	5MHz	16QAM	41215	1RB#24	21.96	20.66	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#0	20.72	19.42	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#6	20.69	19.39	33.00	PASS
Band41	5MHz	16QAM	41215	12RB#13	20.62	19.32	33.00	PASS
Band41	5MHz	16QAM	41215	25RB#0	20.70	19.40	33.00	PASS
Band41	10MHz	QPSK	40190	1RB#0	22.65	21.35	33.00	PASS
Band41	10MHz	QPSK	40190	1RB#24	22.58	21.28	33.00	PASS
Band41	10MHz	QPSK	40190	1RB#49	22.64	21.34	33.00	PASS
Band41	10MHz	QPSK	40190	25RB#0	21.72	20.42	33.00	PASS
Band41	10MHz	QPSK	40190	25RB#12	21.73	20.43	33.00	PASS
Band41	10MHz	QPSK	40190	25RB#25	21.63	20.33	33.00	PASS
Band41	10MHz	QPSK	40190	50RB#0	21.77	20.47	33.00	PASS
Band41	10MHz	QPSK	40690	1RB#0	22.65	21.35	33.00	PASS
Band41	10MHz	QPSK	40690	1RB#24	22.55	21.25	33.00	PASS
Band41	10MHz	QPSK	40690	1RB#49	22.54	21.24	33.00	PASS



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Band41	10MHz	QPSK	40690	25RB#0	21.84	20.54	33.00	PASS
Band41	10MHz	QPSK	40690	25RB#12	21.71	20.41	33.00	PASS
Band41	10MHz	QPSK	40690	25RB#25	21.65	20.35	33.00	PASS
Band41	10MHz	QPSK	40690	50RB#0	21.63	20.33	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#0	22.62	21.32	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#24	22.55	21.25	33.00	PASS
Band41	10MHz	QPSK	41190	1RB#49	22.55	21.25	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#0	21.78	20.48	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#12	21.80	20.50	33.00	PASS
Band41	10MHz	QPSK	41190	25RB#25	21.72	20.42	33.00	PASS
Band41	10MHz	QPSK	41190	50RB#0	21.73	20.43	33.00	PASS
Band41	10MHz	64QAM	40190	1RB#0	20.89	19.59	33.00	PASS
Band41	10MHz	64QAM	40190	1RB#24	20.85	19.55	33.00	PASS
Band41	10MHz	64QAM	40190	1RB#49	20.91	19.61	33.00	PASS
Band41	10MHz	64QAM	40190	25RB#0	19.64	18.34	33.00	PASS
Band41	10MHz	64QAM	40190	25RB#12	19.66	18.36	33.00	PASS
Band41	10MHz	64QAM	40190	25RB#25	19.69	18.39	33.00	PASS
Band41	10MHz	64QAM	40190	50RB#0	19.62	18.32	33.00	PASS
Band41	10MHz	64QAM	40690	1RB#0	21.07	19.77	33.00	PASS
Band41	10MHz	64QAM	40690	1RB#24	20.86	19.56	33.00	PASS
Band41	10MHz	64QAM	40690	1RB#49	20.86	19.56	33.00	PASS
Band41	10MHz	64QAM	40690	25RB#0	19.76	18.46	33.00	PASS
Band41	10MHz	64QAM	40690	25RB#12	19.64	18.34	33.00	PASS
Band41	10MHz	64QAM	40690	25RB#25	19.58	18.28	33.00	PASS
Band41	10MHz	64QAM	40690	50RB#0	19.65	18.35	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#0	20.88	19.58	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#24	20.65	19.35	33.00	PASS
Band41	10MHz	64QAM	41190	1RB#49	20.80	19.5	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#0	19.58	18.28	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#12	19.55	18.25	33.00	PASS
Band41	10MHz	64QAM	41190	25RB#25	19.58	18.28	33.00	PASS
Band41	10MHz	64QAM	41190	50RB#0	19.67	18.37	33.00	PASS
Band41	10MHz	16QAM	40190	1RB#0	21.89	20.59	33.00	PASS
Band41	10MHz	16QAM	40190	1RB#24	21.85	20.55	33.00	PASS
Band41	10MHz	16QAM	40190	1RB#49	21.94	20.64	33.00	PASS
Band41	10MHz	16QAM	40190	25RB#0	20.65	19.35	33.00	PASS
Band41	10MHz	16QAM	40190	25RB#12	20.72	19.42	33.00	PASS
Band41	10MHz	16QAM	40190	25RB#25	20.75	19.45	33.00	PASS



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Band41	10MHz	16QAM	40190	50RB#0	20.65	19.35	33.00	PASS
Band41	10MHz	16QAM	40690	1RB#0	22.10	20.80	33.00	PASS
Band41	10MHz	16QAM	40690	1RB#24	21.91	20.61	33.00	PASS
Band41	10MHz	16QAM	40690	1RB#49	21.90	20.6	33.00	PASS
Band41	10MHz	16QAM	40690	25RB#0	20.81	19.51	33.00	PASS
Band41	10MHz	16QAM	40690	25RB#12	20.68	19.38	33.00	PASS
Band41	10MHz	16QAM	40690	25RB#25	20.62	19.32	33.00	PASS
Band41	10MHz	16QAM	40690	50RB#0	20.68	19.38	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#0	21.92	20.62	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#24	21.71	20.41	33.00	PASS
Band41	10MHz	16QAM	41190	1RB#49	21.86	20.56	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#0	20.63	19.33	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#12	20.58	19.28	33.00	PASS
Band41	10MHz	16QAM	41190	25RB#25	20.62	19.32	33.00	PASS
Band41	10MHz	16QAM	41190	50RB#0	20.71	19.41	33.00	PASS
Band41	15MHz	QPSK	40215	1RB#0	22.81	21.51	33.00	PASS
Band41	15MHz	QPSK	40215	1RB#38	22.71	21.41	33.00	PASS
Band41	15MHz	QPSK	40215	1RB#74	22.75	21.45	33.00	PASS
Band41	15MHz	QPSK	40215	36RB#0	21.75	20.45	33.00	PASS
Band41	15MHz	QPSK	40215	36RB#18	21.74	20.44	33.00	PASS
Band41	15MHz	QPSK	40215	36RB#39	21.83	20.53	33.00	PASS
Band41	15MHz	QPSK	40215	75RB#0	21.75	20.45	33.00	PASS
Band41	15MHz	QPSK	40690	1RB#0	22.73	21.43	33.00	PASS
Band41	15MHz	QPSK	40690	1RB#38	22.69	21.39	33.00	PASS
Band41	15MHz	QPSK	40690	1RB#74	22.65	21.35	33.00	PASS
Band41	15MHz	QPSK	40690	36RB#0	21.90	20.6	33.00	PASS
Band41	15MHz	QPSK	40690	36RB#18	21.76	20.46	33.00	PASS
Band41	15MHz	QPSK	40690	36RB#39	21.65	20.35	33.00	PASS
Band41	15MHz	QPSK	40690	75RB#0	21.80	20.50	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#0	22.69	21.39	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#38	22.73	21.43	33.00	PASS
Band41	15MHz	QPSK	41165	1RB#74	22.71	21.41	33.00	PASS
Band41	15MHz	QPSK	41165	36RB#0	21.86	20.56	33.00	PASS
Band41	15MHz	QPSK	41165	36RB#18	21.68	20.38	33.00	PASS
Band41	15MHz	QPSK	41165	36RB#39	21.62	20.32	33.00	PASS
Band41	15MHz	QPSK	41165	75RB#0	21.68	20.38	33.00	PASS
Band41	15MHz	64QAM	40215	1RB#0	20.84	19.54	33.00	PASS
Band41	15MHz	64QAM	40215	1RB#38	20.95	19.65	33.00	PASS



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Band41	15MHz	64QAM	40215	1RB#74	20.95	19.65	33.00	PASS
Band41	15MHz	64QAM	40215	36RB#0	19.71	18.41	33.00	PASS
Band41	15MHz	64QAM	40215	36RB#18	19.66	18.36	33.00	PASS
Band41	15MHz	64QAM	40215	36RB#39	19.81	18.51	33.00	PASS
Band41	15MHz	64QAM	40215	75RB#0	19.66	18.36	33.00	PASS
Band41	15MHz	64QAM	40690	1RB#0	20.92	19.62	33.00	PASS
Band41	15MHz	64QAM	40690	1RB#38	21.05	19.75	33.00	PASS
Band41	15MHz	64QAM	40690	1RB#74	20.86	19.56	33.00	PASS
Band41	15MHz	64QAM	40690	36RB#0	19.80	18.50	33.00	PASS
Band41	15MHz	64QAM	40690	36RB#18	19.72	18.42	33.00	PASS
Band41	15MHz	64QAM	40690	36RB#39	19.60	18.30	33.00	PASS
Band41	15MHz	64QAM	40690	75RB#0	19.69	18.39	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#0	20.87	19.57	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#38	20.89	19.59	33.00	PASS
Band41	15MHz	64QAM	41165	1RB#74	20.89	19.59	33.00	PASS
Band41	15MHz	64QAM	41165	36RB#0	19.61	18.31	33.00	PASS
Band41	15MHz	64QAM	41165	36RB#18	19.68	18.38	33.00	PASS
Band41	15MHz	64QAM	41165	36RB#39	19.59	18.29	33.00	PASS
Band41	15MHz	64QAM	41165	75RB#0	19.63	18.33	33.00	PASS
Band41	15MHz	16QAM	40215	1RB#0	21.90	20.60	33.00	PASS
Band41	15MHz	16QAM	40215	1RB#38	22.00	20.70	33.00	PASS
Band41	15MHz	16QAM	40215	1RB#74	21.96	20.66	33.00	PASS
Band41	15MHz	16QAM	40215	36RB#0	20.76	19.46	33.00	PASS
Band41	15MHz	16QAM	40215	36RB#18	20.71	19.41	33.00	PASS
Band41	15MHz	16QAM	40215	36RB#39	20.83	19.53	33.00	PASS
Band41	15MHz	16QAM	40215	75RB#0	20.70	19.40	33.00	PASS
Band41	15MHz	16QAM	40690	1RB#0	21.97	20.67	33.00	PASS
Band41	15MHz	16QAM	40690	1RB#38	22.05	20.75	33.00	PASS
Band41	15MHz	16QAM	40690	1RB#74	21.90	20.60	33.00	PASS
Band41	15MHz	16QAM	40690	36RB#0	20.86	19.56	33.00	PASS
Band41	15MHz	16QAM	40690	36RB#18	20.76	19.46	33.00	PASS
Band41	15MHz	16QAM	40690	36RB#39	20.62	19.32	33.00	PASS
Band41	15MHz	16QAM	40690	75RB#0	20.72	19.42	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#0	21.93	20.63	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#38	21.92	20.62	33.00	PASS
Band41	15MHz	16QAM	41165	1RB#74	21.95	20.65	33.00	PASS
Band41	15MHz	16QAM	41165	36RB#0	20.65	19.35	33.00	PASS
Band41	15MHz	16QAM	41165	36RB#18	20.70	19.40	33.00	PASS



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Band41	15MHz	16QAM	41165	36RB#39	20.64	19.34	33.00	PASS
Band41	15MHz	16QAM	41165	75RB#0	20.69	19.39	33.00	PASS
Band41	20MHz	QPSK	40240	1RB#0	22.67	21.37	33.00	PASS
Band41	20MHz	QPSK	40240	1RB#49	22.79	21.49	33.00	PASS
Band41	20MHz	QPSK	40240	1RB#99	22.88	21.58	33.00	PASS
Band41	20MHz	QPSK	40240	50RB#0	21.81	20.51	33.00	PASS
Band41	20MHz	QPSK	40240	50RB#25	21.73	20.43	33.00	PASS
Band41	20MHz	QPSK	40240	50RB#50	21.71	20.41	33.00	PASS
Band41	20MHz	QPSK	40240	100RB#0	21.82	20.52	33.00	PASS
Band41	20MHz	QPSK	40690	1RB#0	22.66	21.36	33.00	PASS
Band41	20MHz	QPSK	40690	1RB#49	22.52	21.22	33.00	PASS
Band41	20MHz	QPSK	40690	1RB#99	22.85	21.55	33.00	PASS
Band41	20MHz	QPSK	40690	50RB#0	21.89	20.59	33.00	PASS
Band41	20MHz	QPSK	40690	50RB#25	21.80	20.5	33.00	PASS
Band41	20MHz	QPSK	40690	50RB#50	21.72	20.42	33.00	PASS
Band41	20MHz	QPSK	40690	100RB#0	21.86	20.56	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#0	22.75	21.45	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#49	22.62	21.32	33.00	PASS
Band41	20MHz	QPSK	41140	1RB#99	22.81	21.51	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#0	21.73	20.43	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#25	21.69	20.39	33.00	PASS
Band41	20MHz	QPSK	41140	50RB#50	21.73	20.43	33.00	PASS
Band41	20MHz	QPSK	41140	100RB#0	21.75	20.45	33.00	PASS
Band41	20MHz	64QAM	40240	1RB#0	22.75	21.45	33.00	PASS
Band41	20MHz	64QAM	40240	1RB#49	21.01	19.71	33.00	PASS
Band41	20MHz	64QAM	40240	1RB#99	20.70	19.4	33.00	PASS
Band41	20MHz	64QAM	40240	50RB#0	21.22	19.92	33.00	PASS
Band41	20MHz	64QAM	40240	50RB#25	19.67	18.37	33.00	PASS
Band41	20MHz	64QAM	40240	50RB#50	19.58	18.28	33.00	PASS
Band41	20MHz	64QAM	40240	100RB#0	19.67	18.37	33.00	PASS
Band41	20MHz	64QAM	40690	1RB#0	20.94	19.64	33.00	PASS
Band41	20MHz	64QAM	40690	1RB#49	20.52	19.22	33.00	PASS
Band41	20MHz	64QAM	40690	1RB#99	21.02	19.72	33.00	PASS
Band41	20MHz	64QAM	40690	50RB#0	19.68	18.38	33.00	PASS
Band41	20MHz	64QAM	40690	50RB#25	19.66	18.36	33.00	PASS
Band41	20MHz	64QAM	40690	50RB#50	19.64	18.34	33.00	PASS
Band41	20MHz	64QAM	40690	100RB#0	19.76	18.46	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#0	21.05	19.75	33.00	PASS



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Band41	20MHz	64QAM	41140	1RB#49	20.56	19.26	33.00	PASS
Band41	20MHz	64QAM	41140	1RB#99	21.10	19.80	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#0	19.62	18.32	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#25	19.65	18.35	33.00	PASS
Band41	20MHz	64QAM	41140	50RB#50	19.54	18.24	33.00	PASS
Band41	20MHz	64QAM	41140	100RB#0	19.68	18.38	33.00	PASS
Band41	20MHz	16QAM	40240	1RB#0	22.04	20.74	33.00	PASS
Band41	20MHz	16QAM	40240	1RB#49	21.70	20.40	33.00	PASS
Band41	20MHz	16QAM	40240	1RB#99	22.25	20.95	33.00	PASS
Band41	20MHz	16QAM	40240	50RB#0	20.71	19.41	33.00	PASS
Band41	20MHz	16QAM	40240	50RB#25	20.64	19.34	33.00	PASS
Band41	20MHz	16QAM	40240	50RB#50	20.67	19.37	33.00	PASS
Band41	20MHz	16QAM	40240	100RB#0	20.65	19.35	33.00	PASS
Band41	20MHz	16QAM	40690	1RB#0	21.99	20.69	33.00	PASS
Band41	20MHz	16QAM	40690	1RB#49	21.52	20.22	33.00	PASS
Band41	20MHz	16QAM	40690	1RB#99	22.08	20.78	33.00	PASS
Band41	20MHz	16QAM	40690	50RB#0	20.68	19.38	33.00	PASS
Band41	20MHz	16QAM	40690	50RB#25	20.72	19.42	33.00	PASS
Band41	20MHz	16QAM	40690	50RB#50	20.64	19.34	33.00	PASS
Band41	20MHz	16QAM	40690	100RB#0	20.80	19.50	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#0	22.05	20.75	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#49	21.58	20.28	33.00	PASS
Band41	20MHz	16QAM	41140	1RB#99	22.13	20.83	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#0	20.66	19.36	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#25	20.65	19.35	33.00	PASS
Band41	20MHz	16QAM	41140	50RB#50	20.59	19.29	33.00	PASS
Band41	20MHz	16QAM	41140	100RB#0	20.72	19.42	33.00	PASS

Remark:

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

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

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



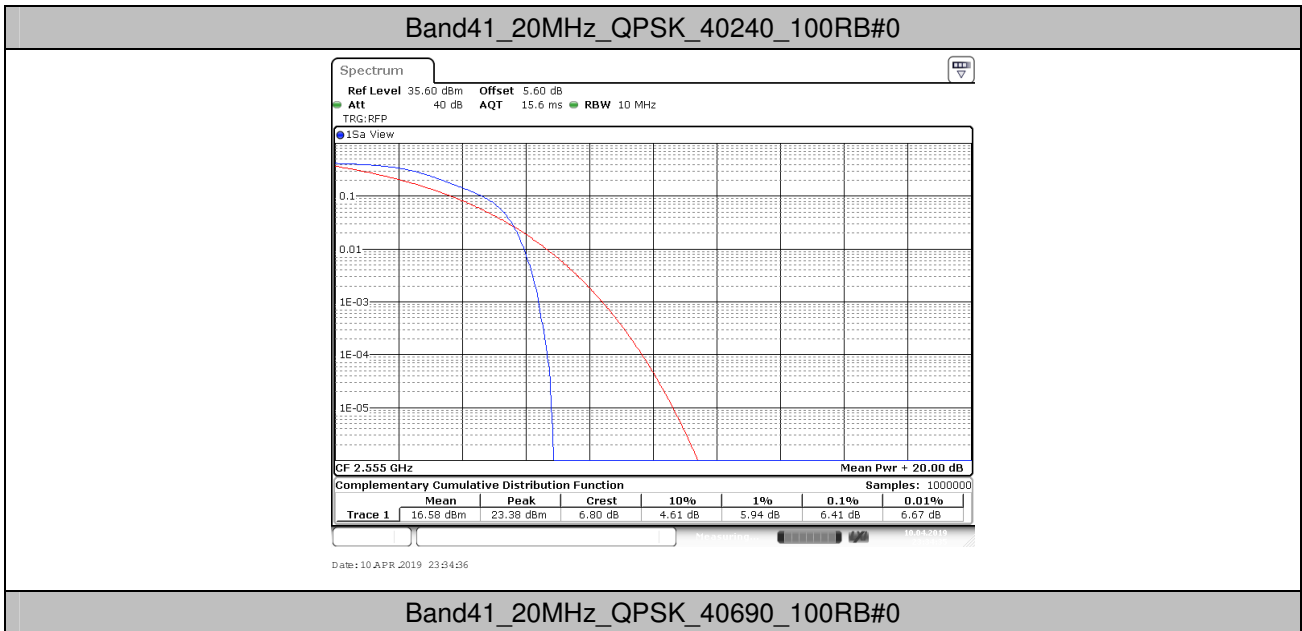
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## 2. Peak-to-Average Ratio(CCDF)

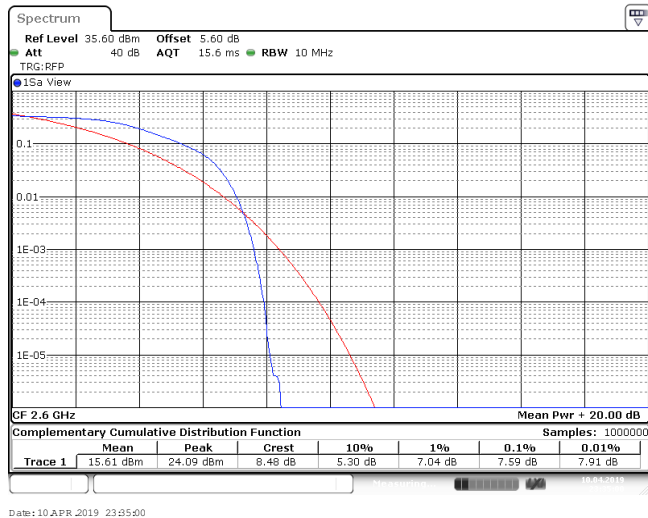
### 2.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	40240	100RB#0	6.41	13	PASS
Band41	20MHz	QPSK	40690	100RB#0	7.59	13	PASS
Band41	20MHz	QPSK	41140	100RB#0	7.59	13	PASS
Band41	20MHz	64QAM	40240	100RB#0	5.59	13	PASS
Band41	20MHz	64QAM	40690	100RB#0	9.22	13	PASS
Band41	20MHz	64QAM	41140	100RB#0	9.30	13	PASS
Band41	20MHz	16QAM	40240	100RB#0	9.07	13	PASS
Band41	20MHz	16QAM	40690	100RB#0	9.30	13	PASS
Band41	20MHz	16QAM	41140	100RB#0	9.22	13	PASS

### 2.2. Test Plots

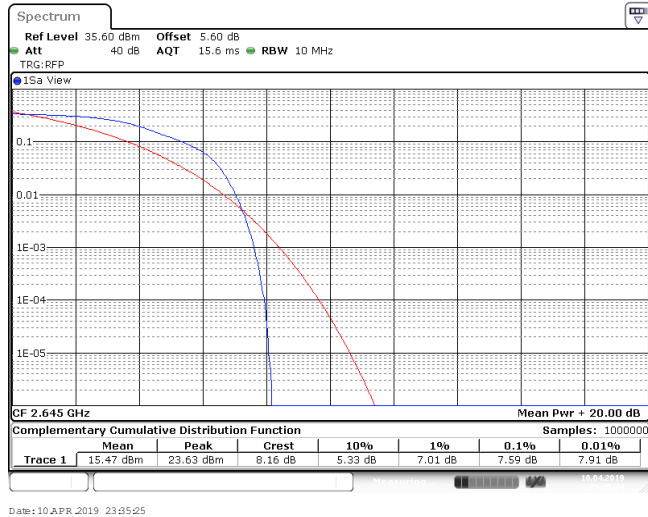


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Date: 10 APR.2019 23:55:00

**Band41\_20MHz\_QPSK\_41140\_100RB#0**

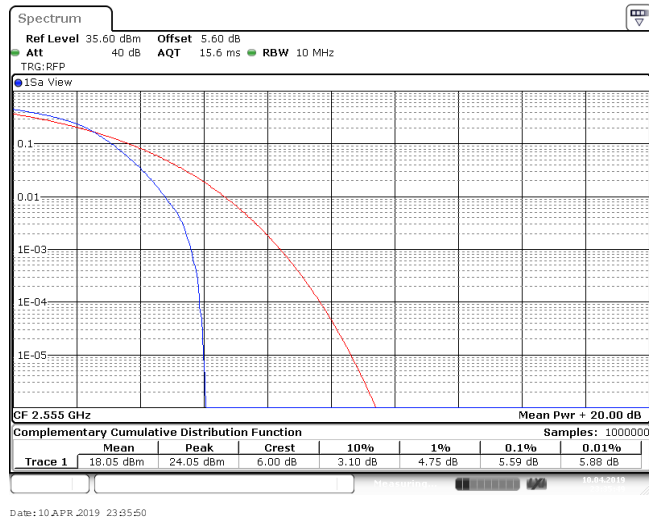


Date: 10 APR.2019 23:55:25

**Band41\_20MHz\_64QAM\_40240\_100RB#0**

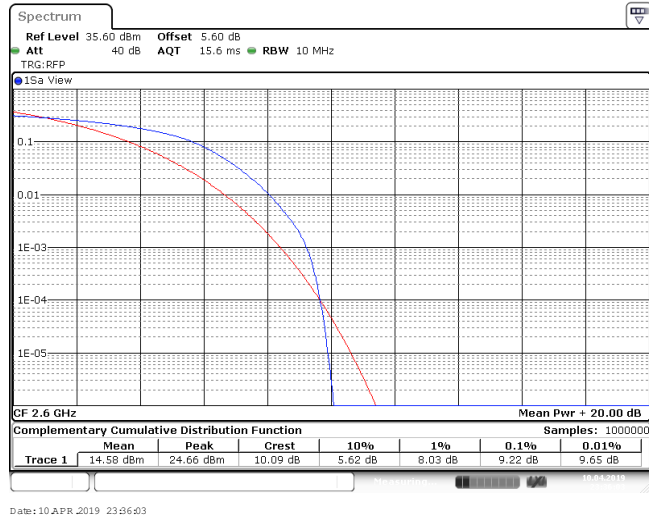


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Date: 10 APR.2019 23:55:50

**Band41\_20MHz\_64QAM\_40690\_100RB#0**



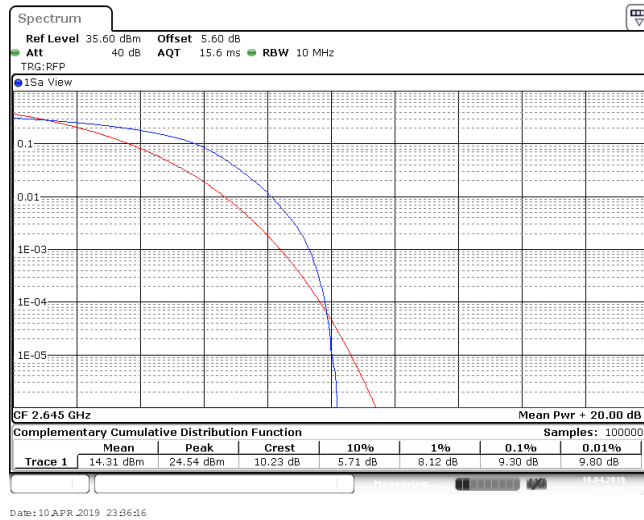
Date: 10 APR.2019 23:56:03

**Band41\_20MHz\_64QAM\_41140\_100RB#0**



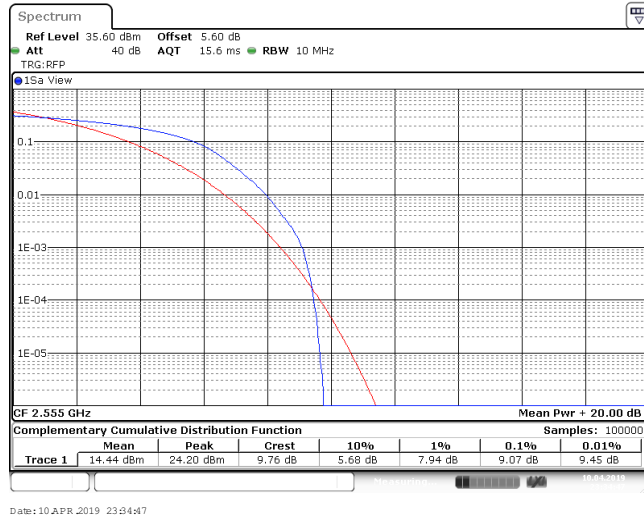
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Date: 10 APR.2019 23:56:16

**Band41\_20MHz\_16QAM\_40240\_100RB#0**



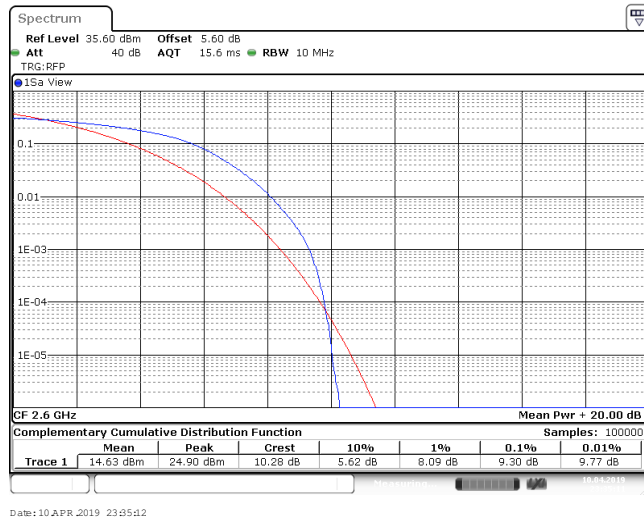
Date: 10 APR.2019 23:54:47

**Band41\_20MHz\_16QAM\_40690\_100RB#0**



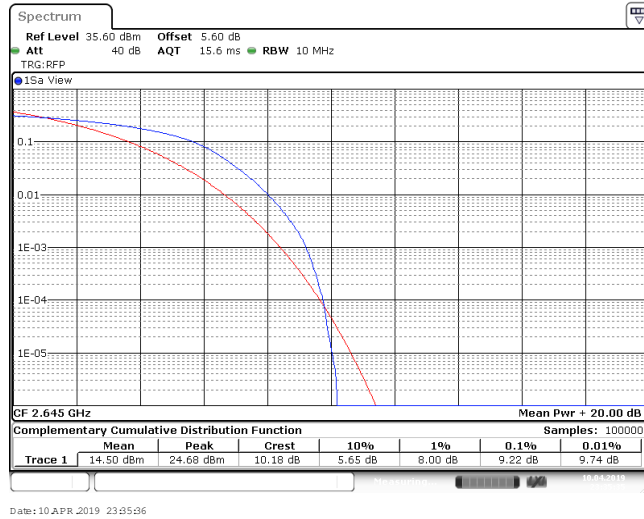
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Date: 10 APR.2019 23:55:12

**Band41\_20MHz\_16QAM\_41140\_100RB#0**



Date: 10 APR.2019 23:55:06



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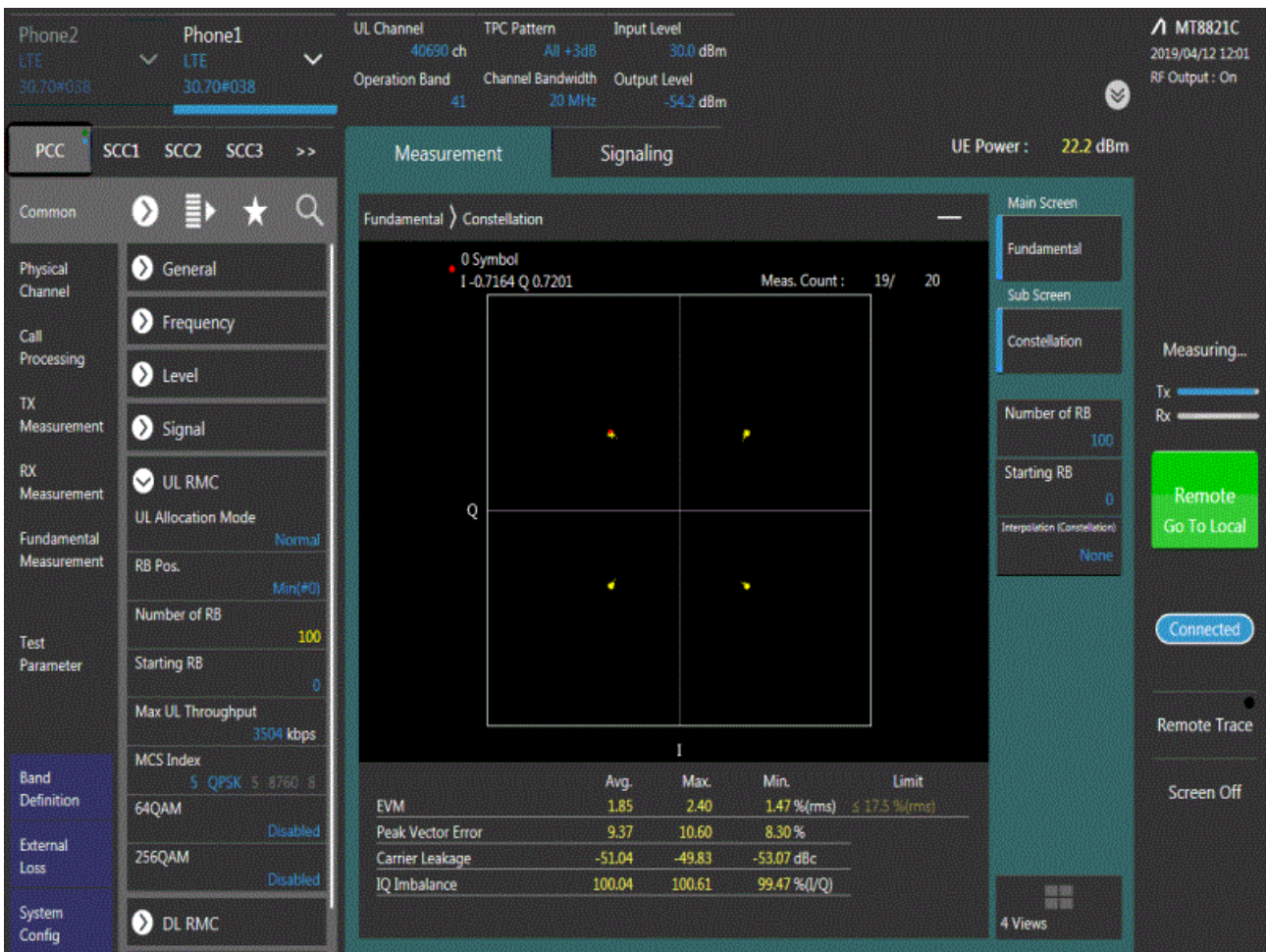
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### 3. Modulation Characteristics

#### 3.1. Test BAND = LTE Band 41

#### 3.2. Test Mode = LTE /TM1 20MHz

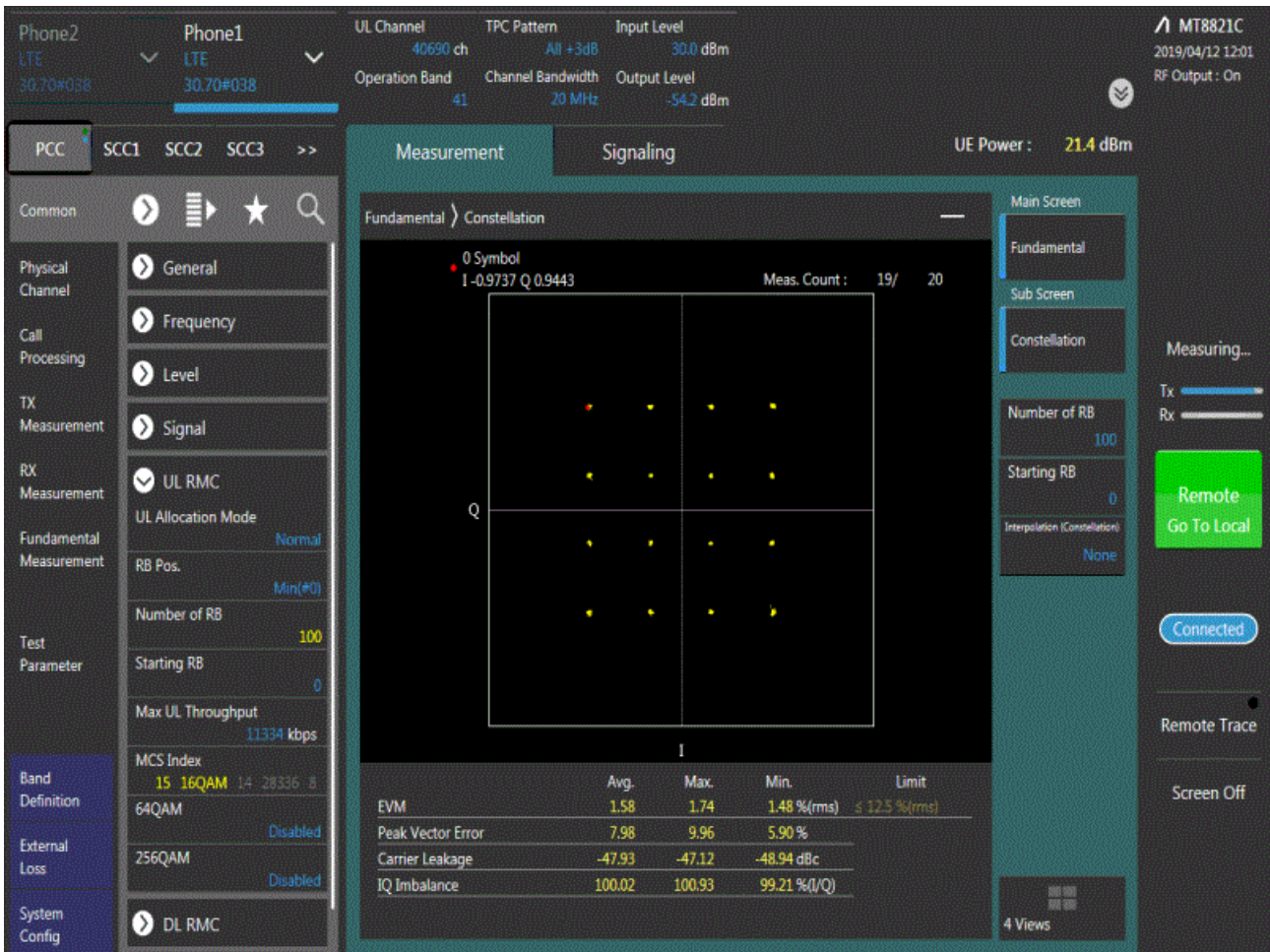
#### 3.2.1. Test Channel = MCH



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### 3.3. Test Mode = LTE /TM2 20MHz

#### 3.3.1. Test Channel = MCH

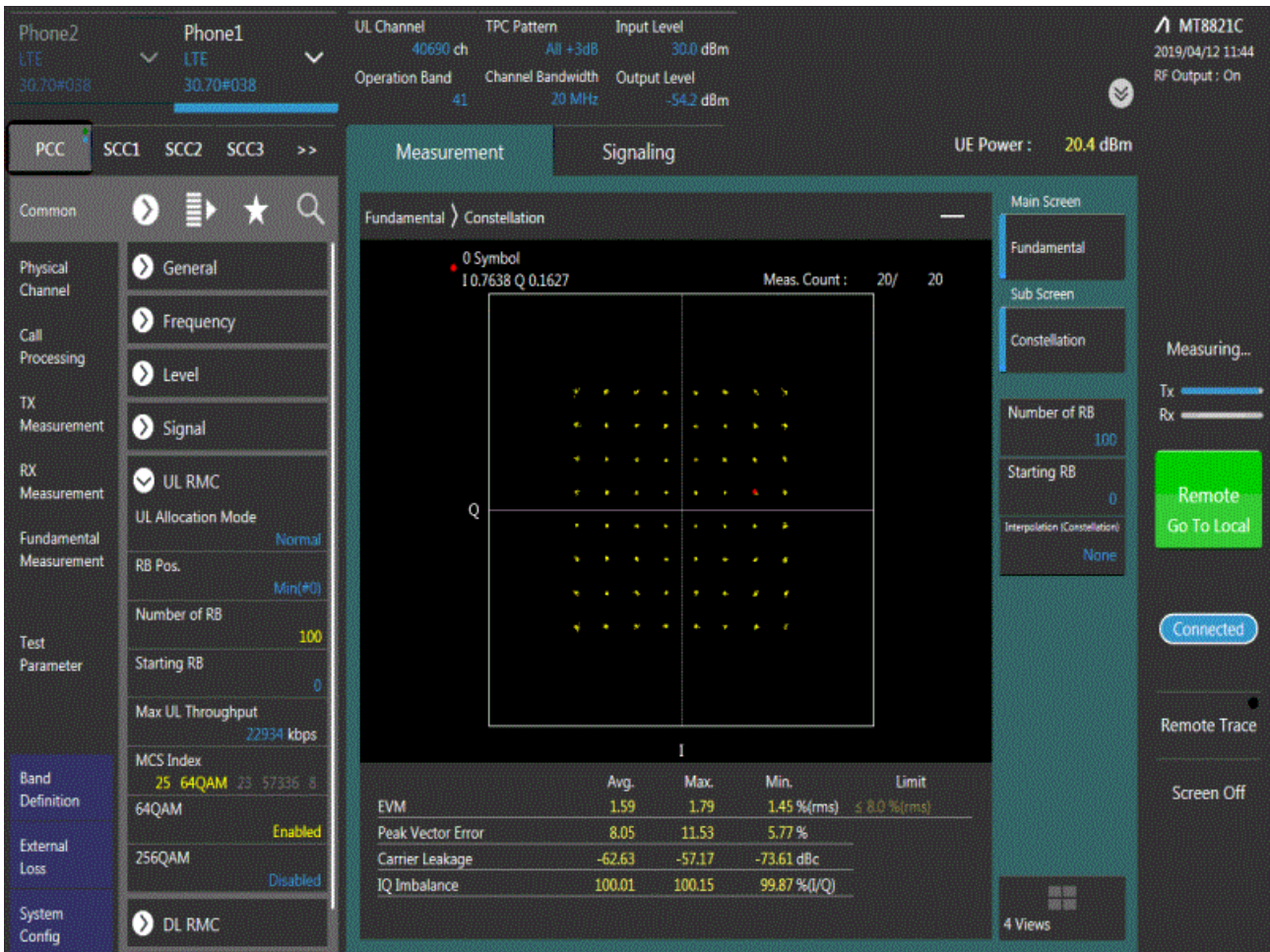


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### 3.4. Test Mode = LTE /TM3 20MHz

#### 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
Band41	5MHz	QPSK	40165	25RB#0	4.486	4.940	PASS
Band41	5MHz	QPSK	40690	25RB#0	4.466	4.910	PASS
Band41	5MHz	QPSK	41215	25RB#0	4.486	4.910	PASS
Band41	5MHz	64QAM	40165	25RB#0	4.486	4.910	PASS
Band41	5MHz	64QAM	40690	25RB#0	4.476	4.930	PASS
Band41	5MHz	64QAM	41215	25RB#0	4.466	4.910	PASS
Band41	5MHz	16QAM	40165	25RB#0	4.486	4.910	PASS
Band41	5MHz	16QAM	40690	25RB#0	4.476	4.950	PASS
Band41	5MHz	16QAM	41215	25RB#0	4.466	4.910	PASS
Band41	10MHz	QPSK	40190	50RB#0	8.931	9.780	PASS
Band41	10MHz	QPSK	40690	50RB#0	8.971	9.840	PASS
Band41	10MHz	QPSK	41190	50RB#0	8.931	9.740	PASS
Band41	10MHz	64QAM	40190	50RB#0	8.971	9.780	PASS
Band41	10MHz	64QAM	40690	50RB#0	8.971	9.840	PASS
Band41	10MHz	64QAM	41190	50RB#0	8.951	9.800	PASS
Band41	10MHz	16QAM	40190	50RB#0	8.971	9.800	PASS
Band41	10MHz	16QAM	40690	50RB#0	8.971	9.840	PASS
Band41	10MHz	16QAM	41190	50RB#0	8.931	9.800	PASS
Band41	15MHz	QPSK	40215	75RB#0	13.487	15.090	PASS
Band41	15MHz	QPSK	40690	75RB#0	13.516	15.000	PASS
Band41	15MHz	QPSK	41165	75RB#0	13.606	15.090	PASS
Band41	15MHz	64QAM	40215	75RB#0	13.516	15.030	PASS
Band41	15MHz	64QAM	40690	75RB#0	13.546	15.060	PASS
Band41	15MHz	64QAM	41165	75RB#0	13.487	14.910	PASS
Band41	15MHz	16QAM	40215	75RB#0	13.516	15.060	PASS
Band41	15MHz	16QAM	40690	75RB#0	13.546	15.060	PASS
Band41	15MHz	16QAM	41165	75RB#0	13.516	14.910	PASS
Band41	20MHz	QPSK	40240	100RB#0	17.942	19.680	PASS
Band41	20MHz	QPSK	40690	100RB#0	17.942	19.720	PASS
Band41	20MHz	QPSK	41140	100RB#0	17.902	19.640	PASS
Band41	20MHz	64QAM	40240	100RB#0	17.982	19.640	PASS



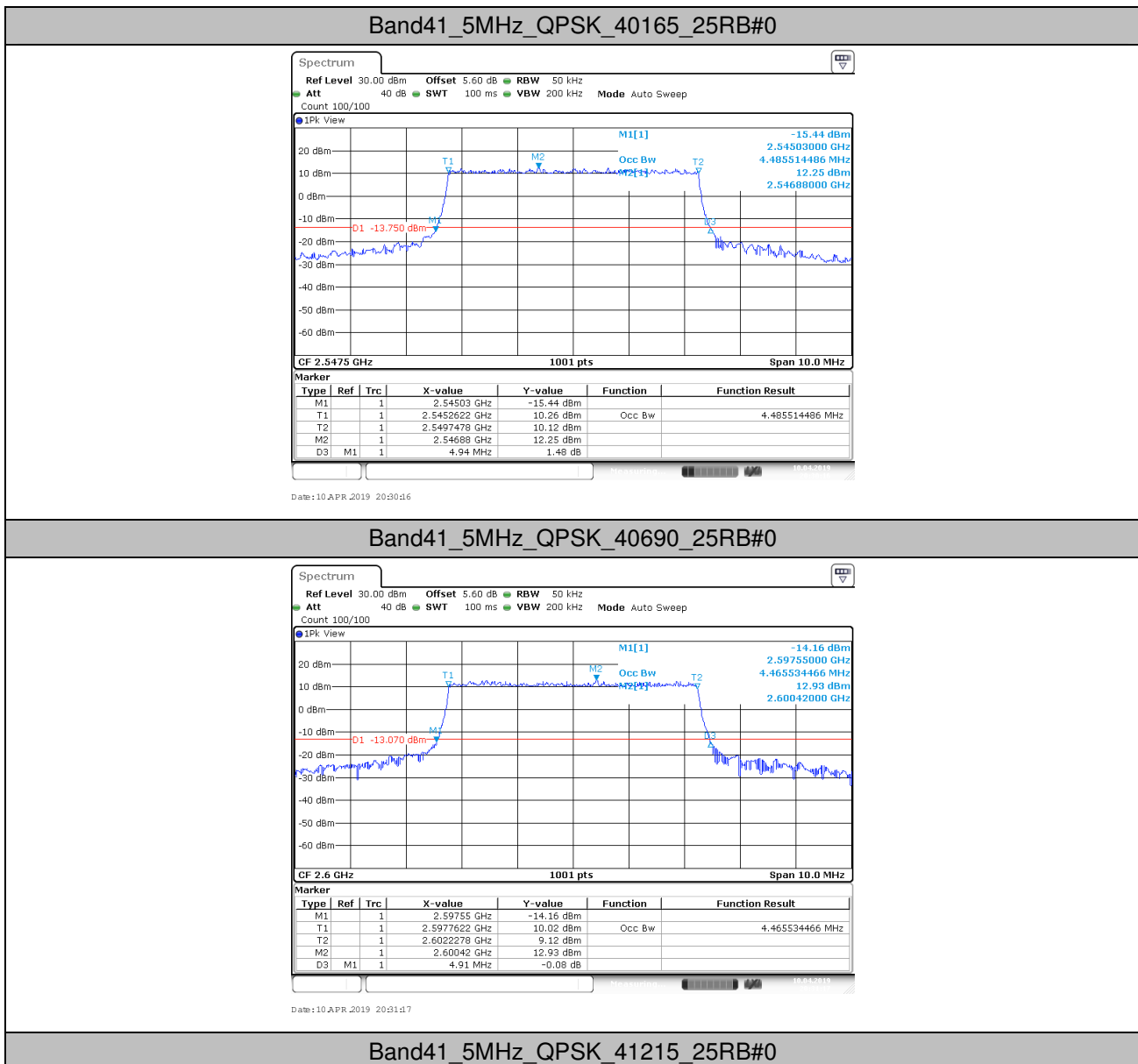
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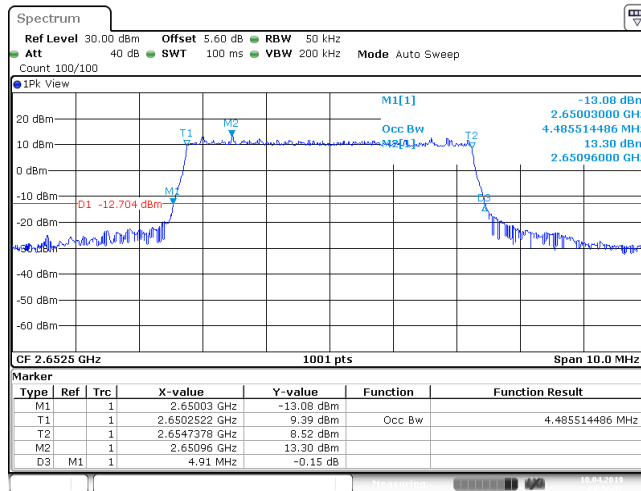


Band41	20MHz	64QAM	40690	100RB#0	17.942	19.800	PASS
Band41	20MHz	64QAM	41140	100RB#0	17.942	19.600	PASS
Band41	20MHz	16QAM	40240	100RB#0	17.982	19.680	PASS
Band41	20MHz	16QAM	40690	100RB#0	17.942	19.840	PASS
Band41	20MHz	16QAM	41140	100RB#0	17.942	19.560	PASS

## 4.2. Test Plots

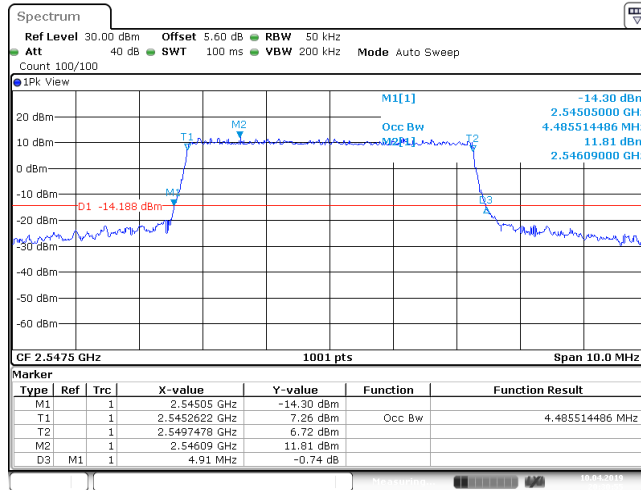


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Date: 10 APR 2019 20:32:18

**Band41\_5MHz\_64QAM\_40165\_25RB#**

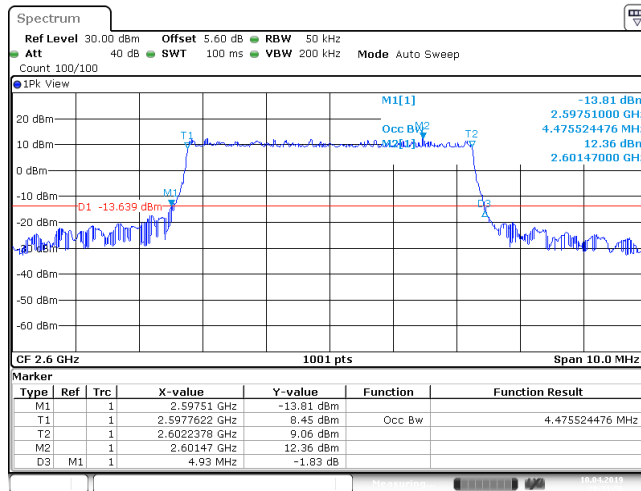


Date: 10 APR 2019 20:30:55

**Band41\_5MHz\_64QAM\_40690\_25RB#**

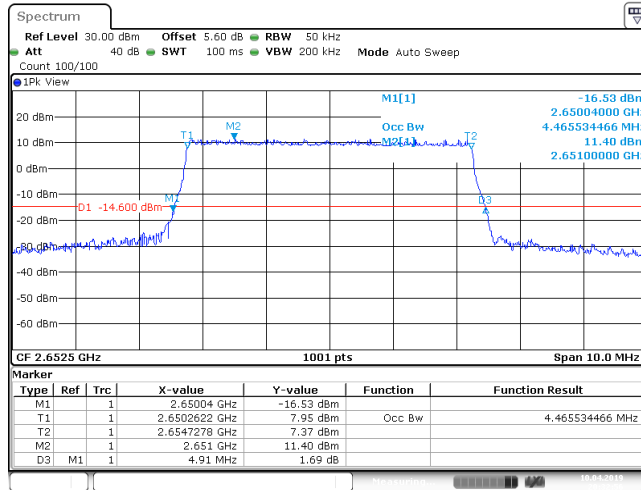


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Date: 10 APR 2019 20:31:56

**Band41\_5MHz\_64QAM\_41215\_25RB#**

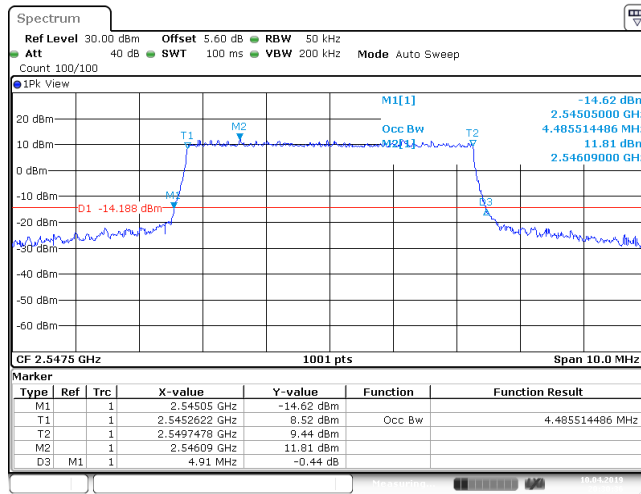


Date: 10 APR 2019 20:32:57

**Band41\_5MHz\_16QAM\_40165\_25RB#**

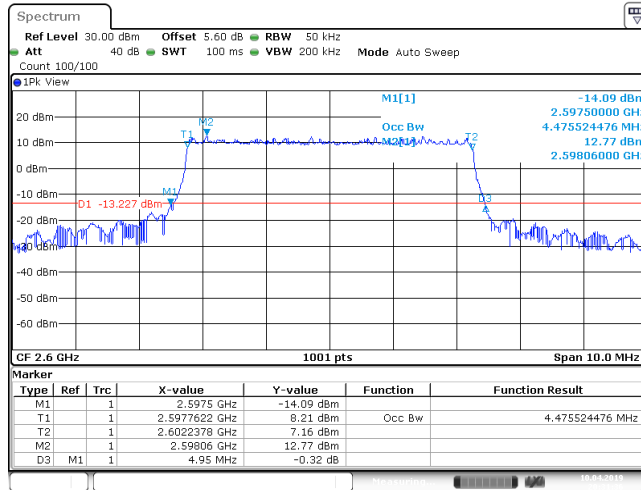


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Date: 10 APR 2019 20:30:06

**Band41\_5MHz\_16QAM\_40690\_25RB#0**

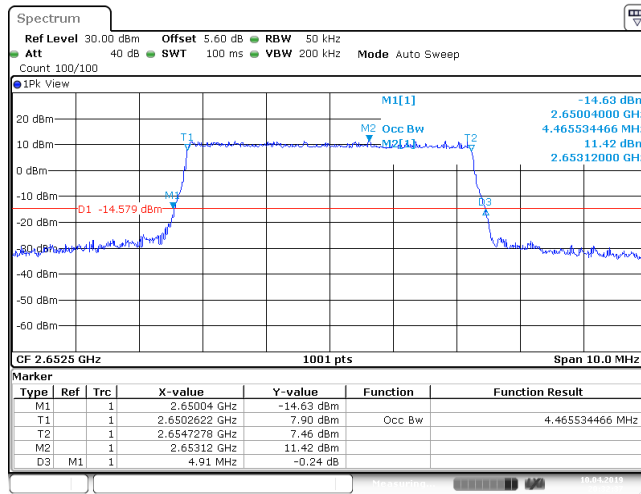


Date: 10 APR 2019 20:31:07

**Band41\_5MHz\_16QAM\_41215\_25RB#0**

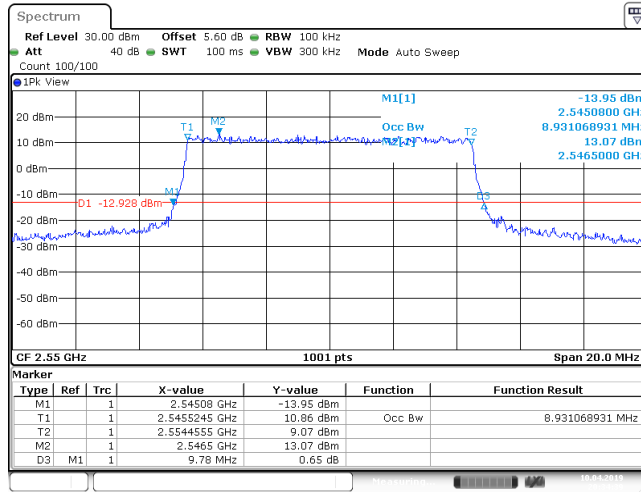


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Date: 10 APR 2019 20:32:37

**Band41\_10MHz\_QPSK\_40190\_50RB#0**

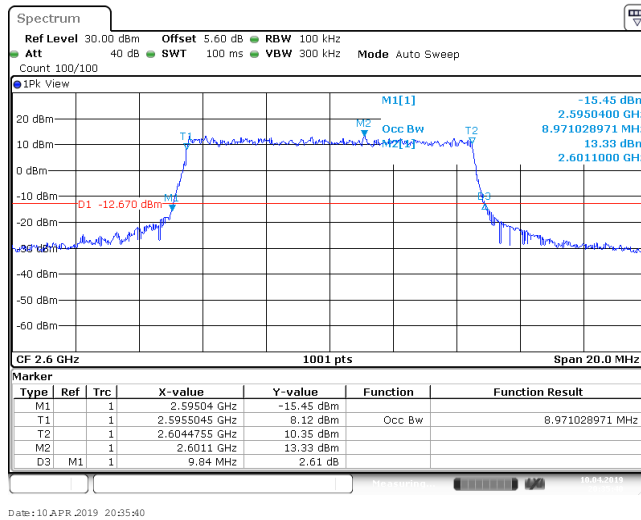


Date: 10 APR 2019 20:34:39

**Band41\_10MHz\_QPSK\_40690\_50RB#0**

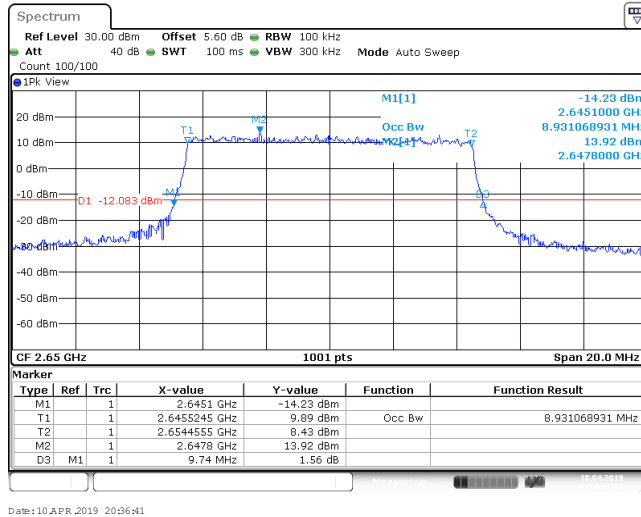


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Date: 10 APR 2019 20:35:40

**Band41\_10MHz\_QPSK\_41190\_50RB#0**



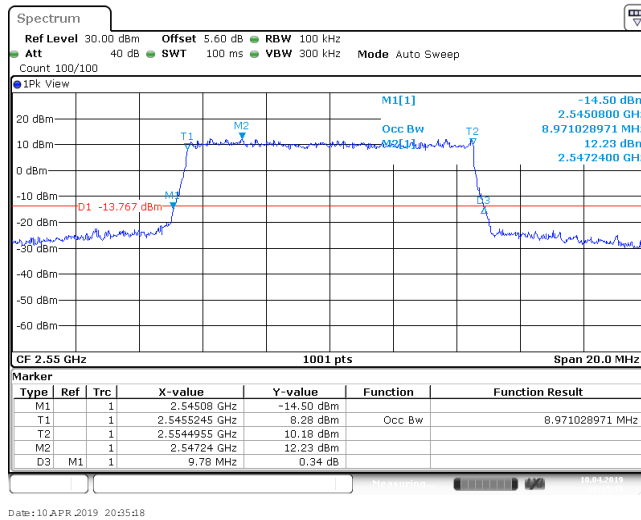
Date: 10 APR 2019 20:36:41

**Band41\_10MHz\_64QAM\_40190\_50RB#0**



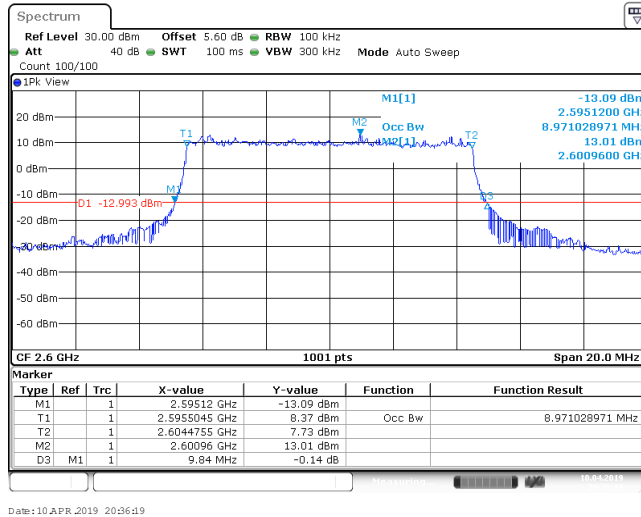
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Date: 10 APR 2019 20:35:18

**Band41\_10MHz\_64QAM\_40690\_50RB#0**

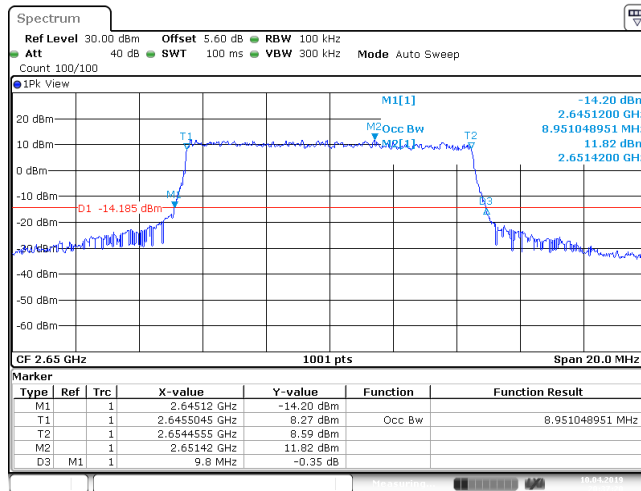


Date: 10 APR 2019 20:36:19

**Band41\_10MHz\_64QAM\_41190\_50RB#0**

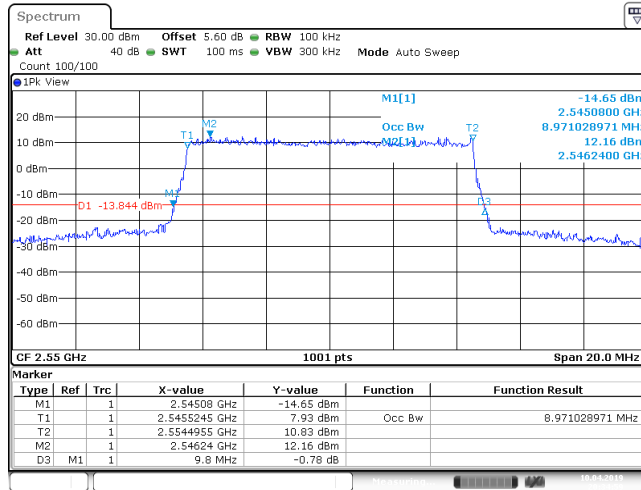


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Date: 10 APR 2019 20:37:20

**Band41\_10MHz\_16QAM\_40190\_50RB#0**

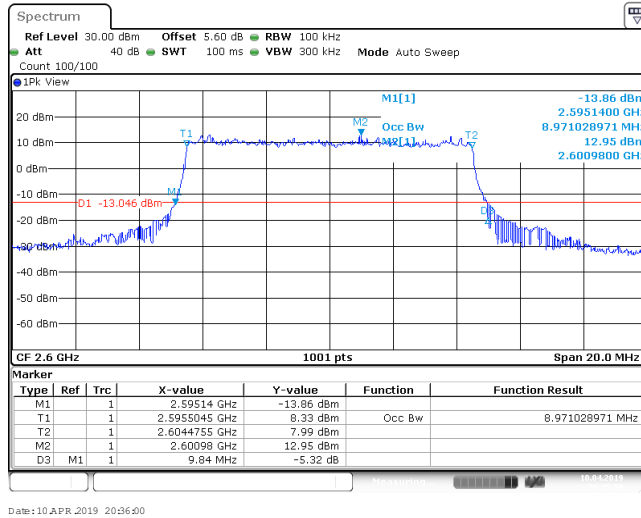


Date: 10 APR 2019 20:34:59

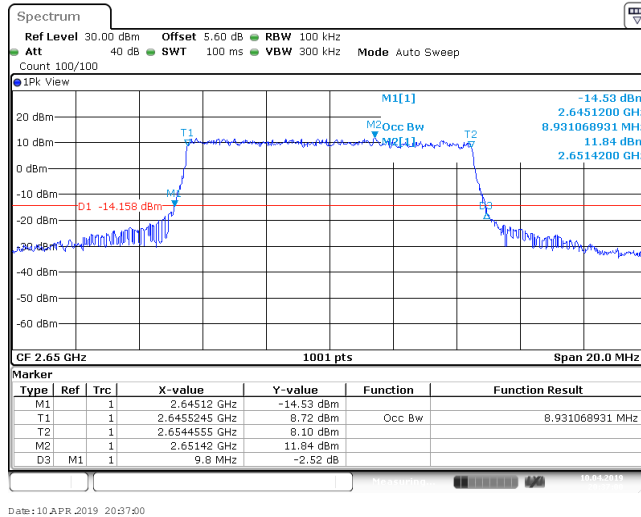
**Band41\_10MHz\_16QAM\_40690\_50RB#0**



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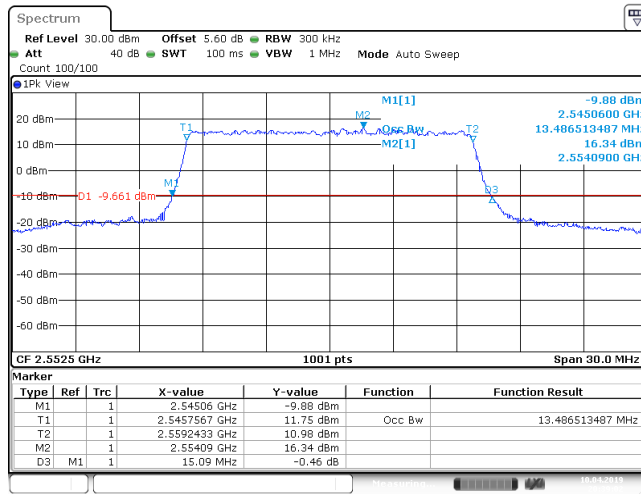
**Band41\_10MHz\_16QAM\_41190\_50RB#0**



**Band41\_15MHz\_QPSK\_40215\_75RB#0**

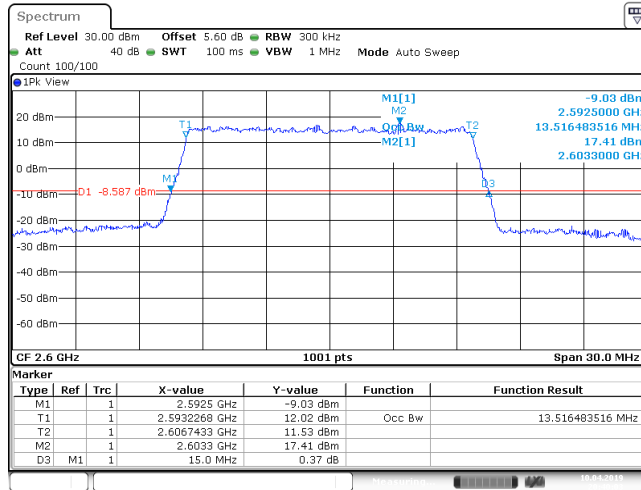


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Date: 10 APR 2019 20:39:03

**Band41\_15MHz\_QPSK\_40690\_75RB#0**

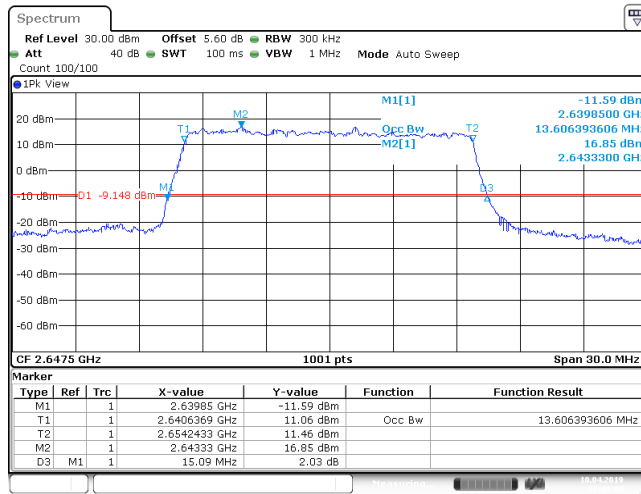


Date: 10 APR 2019 20:40:03

**Band41\_15MHz\_QPSK\_41165\_75RB#0**

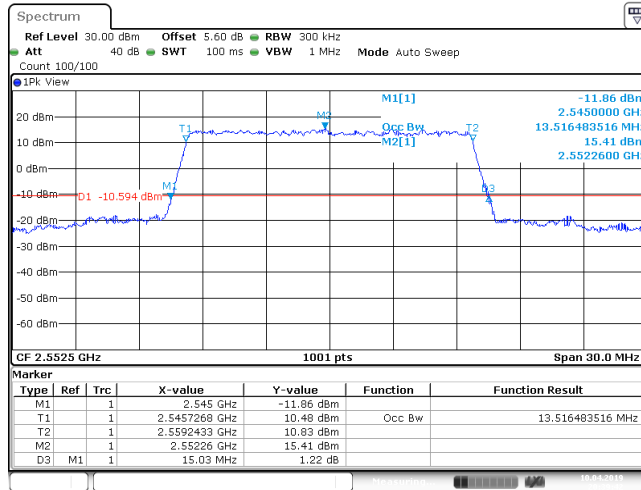


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Date: 10 APR 2019 20:41:04

**Band41\_15MHz\_64QAM\_40215\_75RB#0**

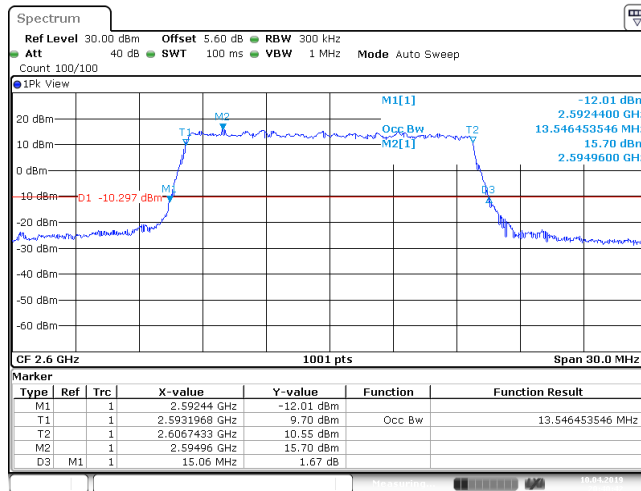


Date: 10 APR 2019 20:39:41

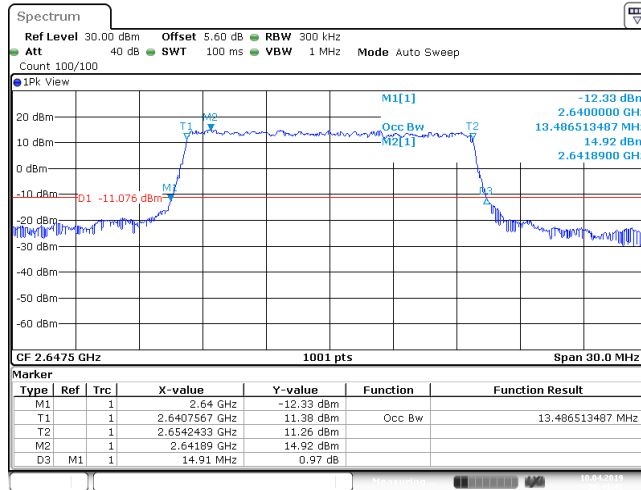
**Band41\_15MHz\_64QAM\_40690\_75RB#0**



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**Band41\_15MHz\_64QAM\_41165\_75RB#0**



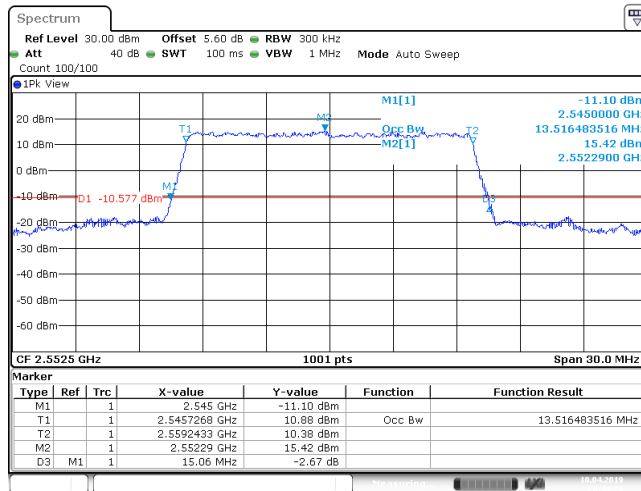
**Band41\_15MHz\_16QAM\_40215\_75RB#0**



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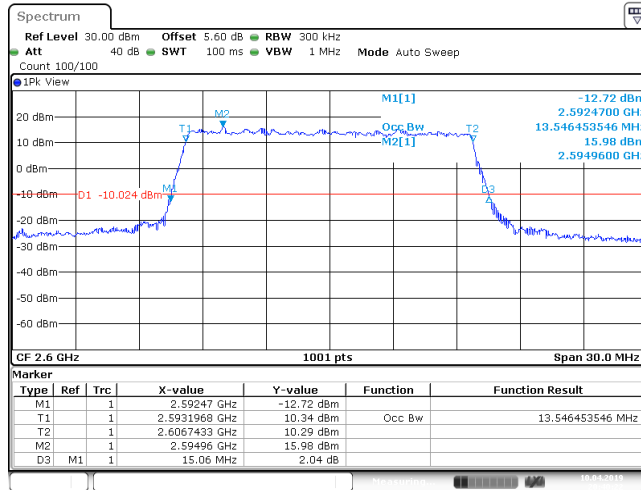
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Date: 10 APR 2019 20:39:22

**Band41\_15MHz\_16QAM\_40690\_75RB#0**

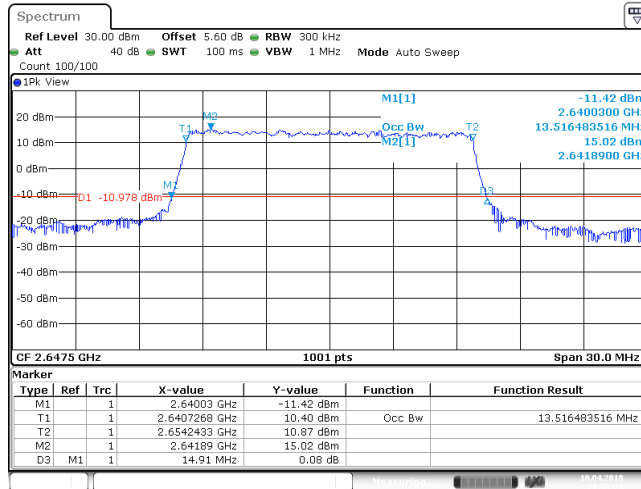


Date: 10 APR 2019 20:40:23

**Band41\_15MHz\_16QAM\_41165\_75RB#0**

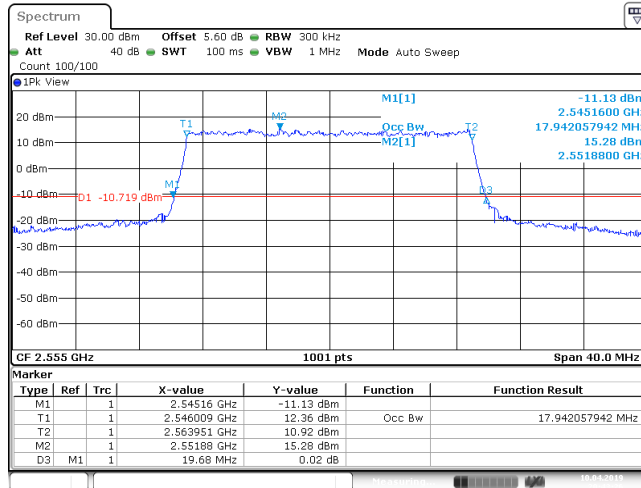


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Date: 10 APR 2019 20:41:23

Band41\_20MHz\_QPSK\_40240\_100RB#0



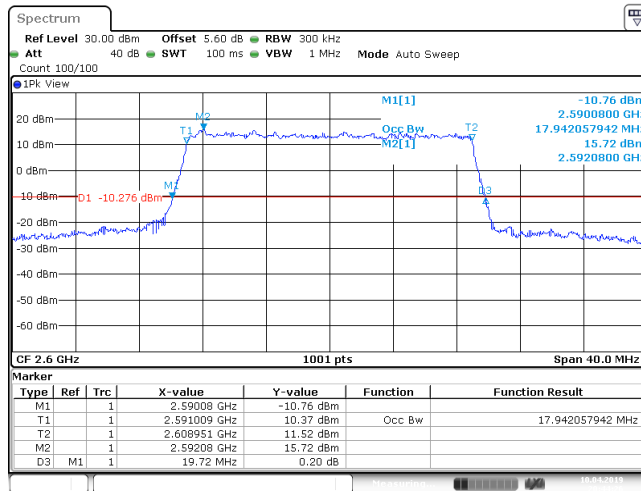
Date: 10 APR 2019 20:43:26

Band41\_20MHz\_QPSK\_40690\_100RB#0



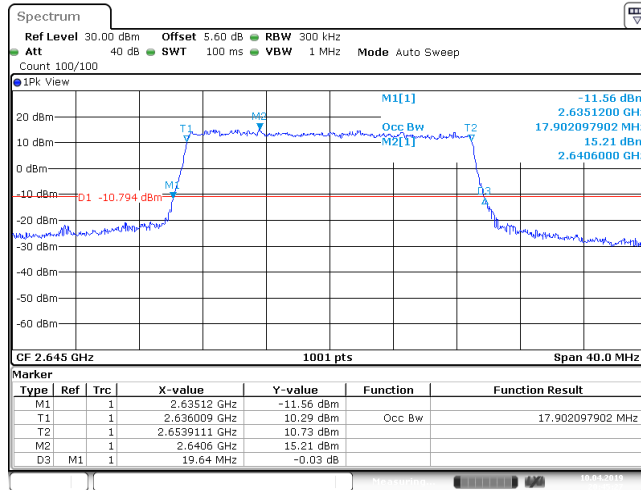
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Date: 10 APR 2019 20:44:27

**Band41\_20MHz\_QPSK\_41140\_100RB#0**

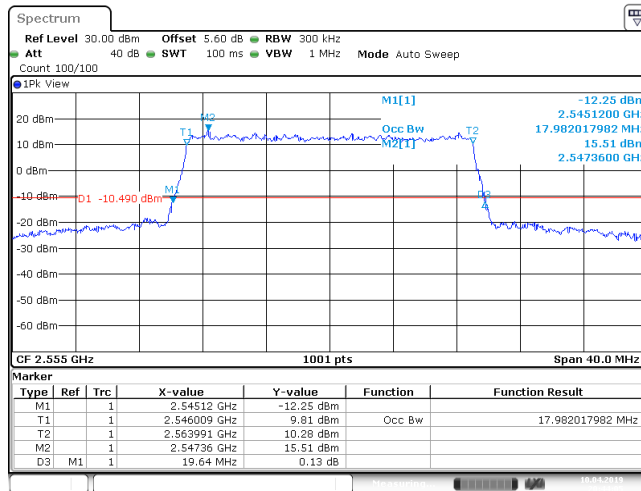


Date: 10 APR 2019 20:45:28

**Band41\_20MHz\_64QAM\_40240\_100RB#0**

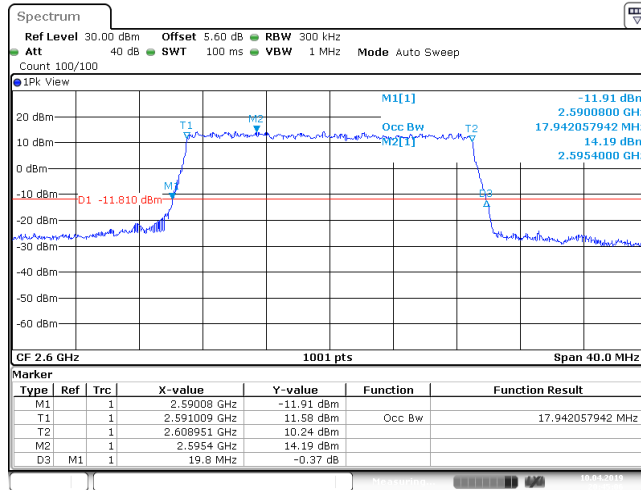


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Date: 10 APR 2019 20:44:05

**Band41\_20MHz\_64QAM\_40690\_100RB#0**

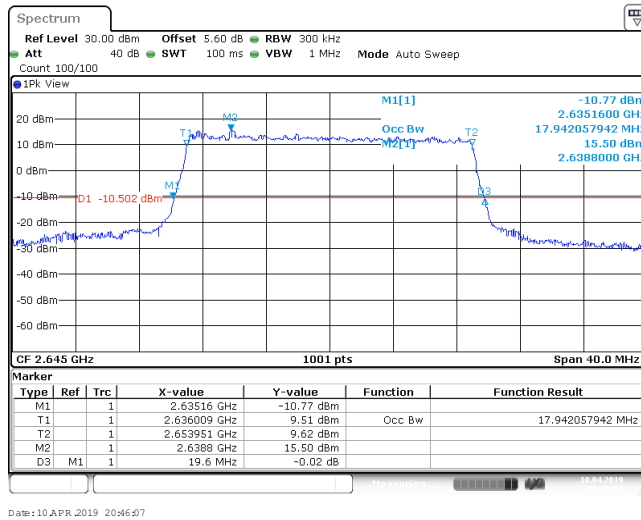


Date: 10 APR 2019 20:45:06

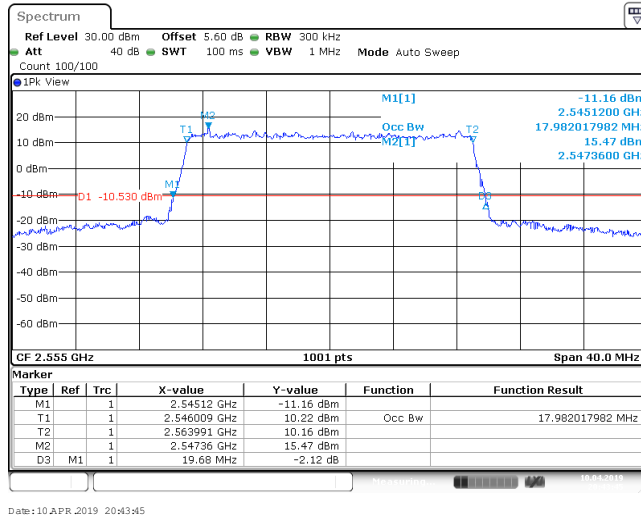
**Band41\_20MHz\_64QAM\_41140\_100RB#0**



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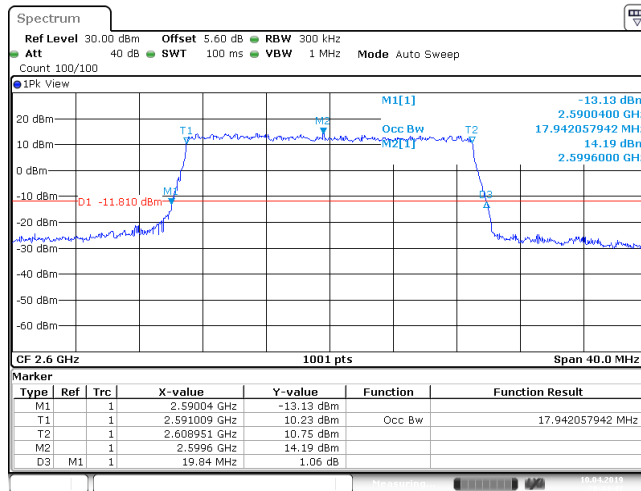
**Band41\_20MHz\_16QAM\_40240\_100RB#0**



**Band41\_20MHz\_16QAM\_40690\_100RB#0**

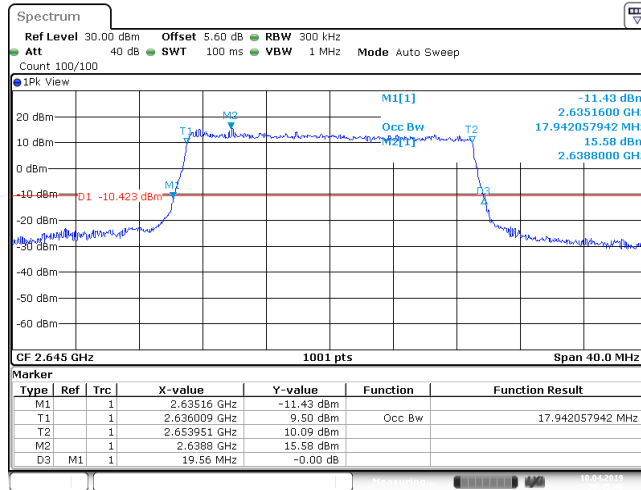


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Date: 10 APR 2019 20:44:47

**Band41\_20MHz\_16QAM\_41140\_100RB#0**



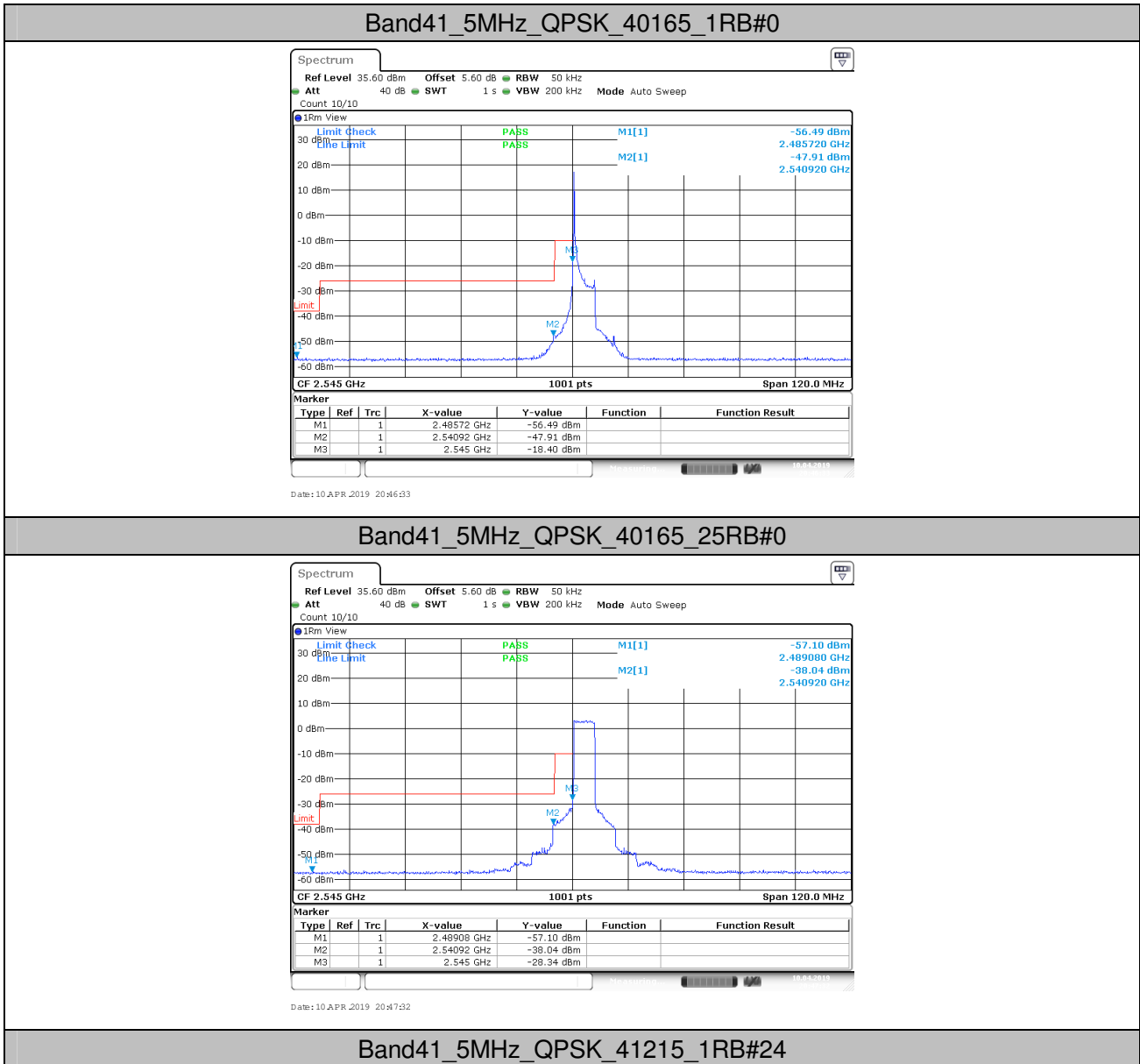
Date: 10 APR 2019 20:45:48



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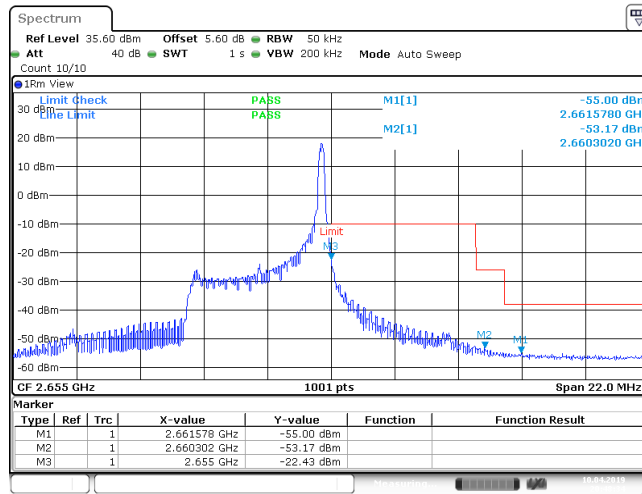
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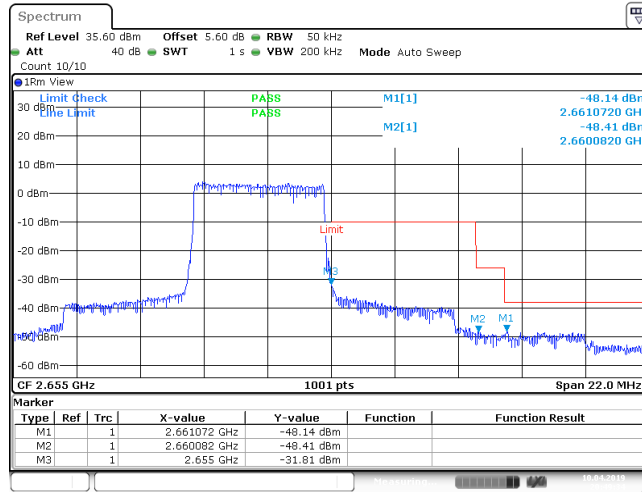
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Date: 10.APR.2019 20:48:34

**Band41\_5MHz\_QPSK\_41215\_25RB#0**



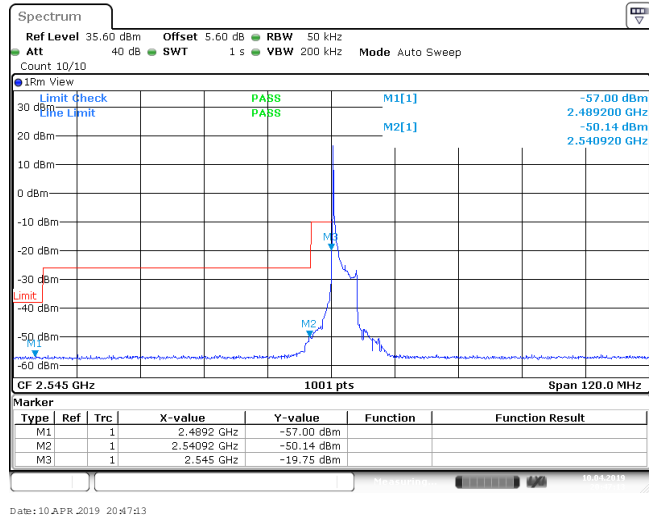
Date: 10.APR.2019 20:49:34

**Band41\_5MHz\_64QAM\_40165\_1RB#0**



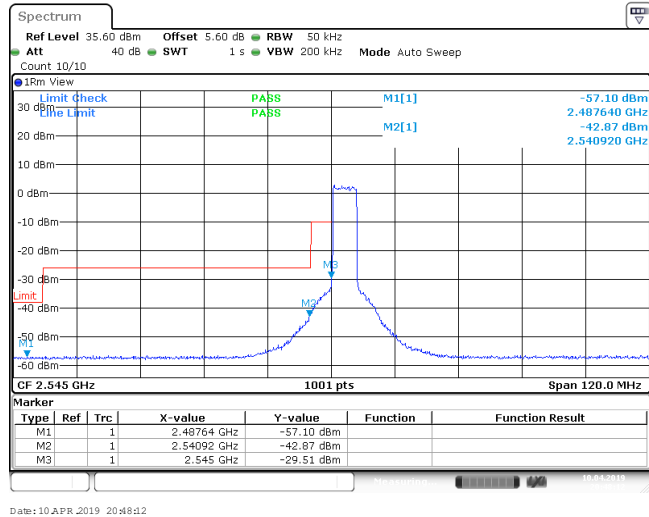
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Date: 10 APR.2019 20:47:13

**Band41\_5MHz\_64QAM\_40165\_25RB#0**



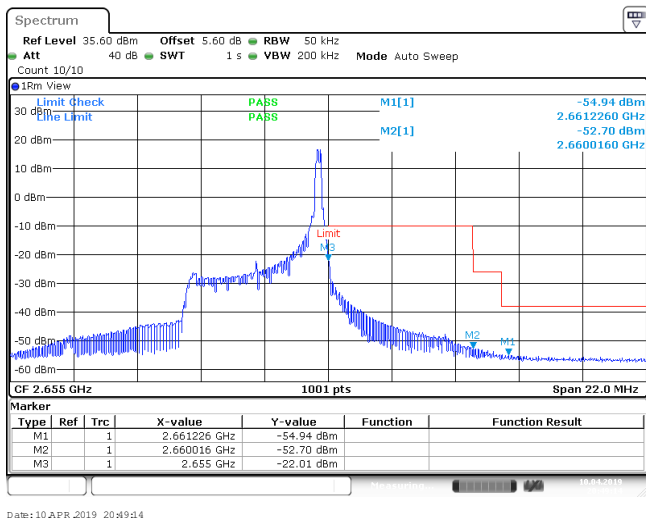
Date: 10 APR.2019 20:48:12

**Band41\_5MHz\_64QAM\_41215\_1RB#24**



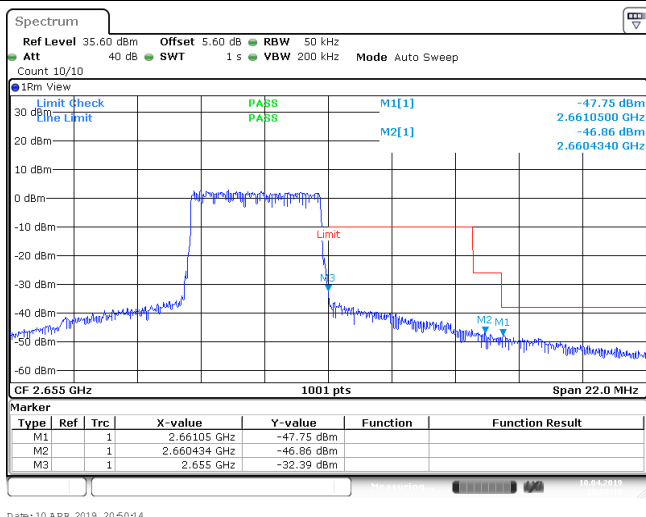
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Date: 10 APR.2019 20:49:14

**Band41\_5MHz\_64QAM\_41215\_25RB#0**



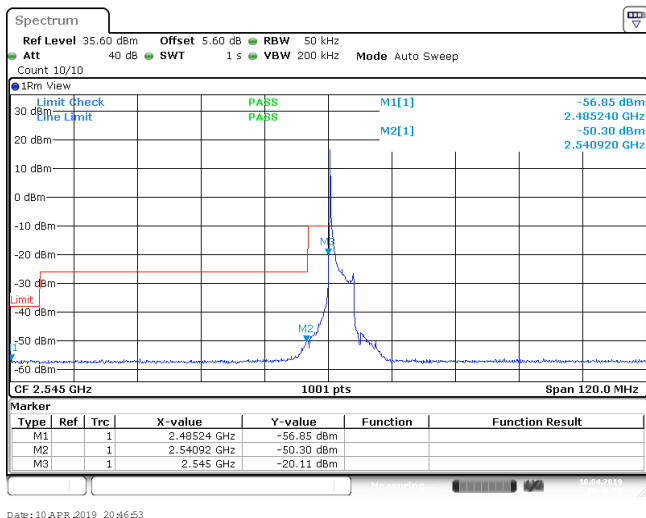
Date: 10 APR.2019 20:50:14

**Band41\_5MHz\_16QAM\_40165\_1RB#0**



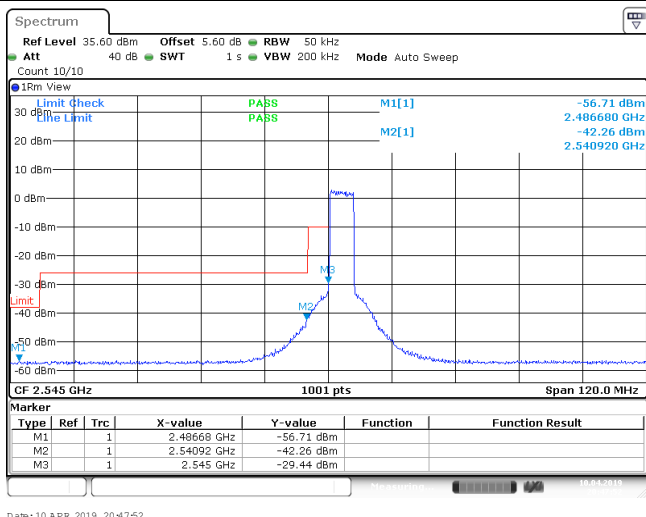
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Date: 10 APR.2019 20:46:53

**Band41\_5MHz\_16QAM\_40165\_25RB#0**

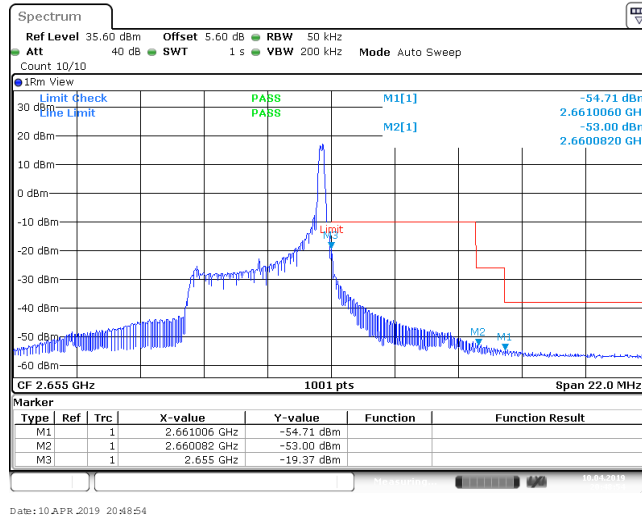


Date: 10 APR.2019 20:47:52

**Band41\_5MHz\_16QAM\_41215\_1RB#24**

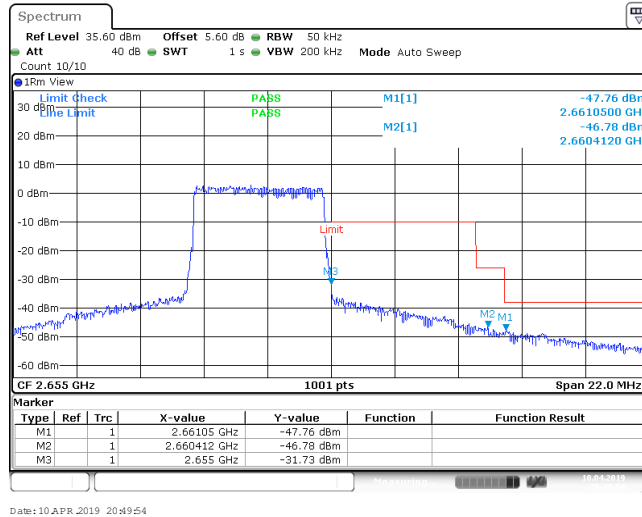


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Date: 10 APR.2019 20:48:54

**Band41\_5MHz\_16QAM\_41215\_25RB#0**

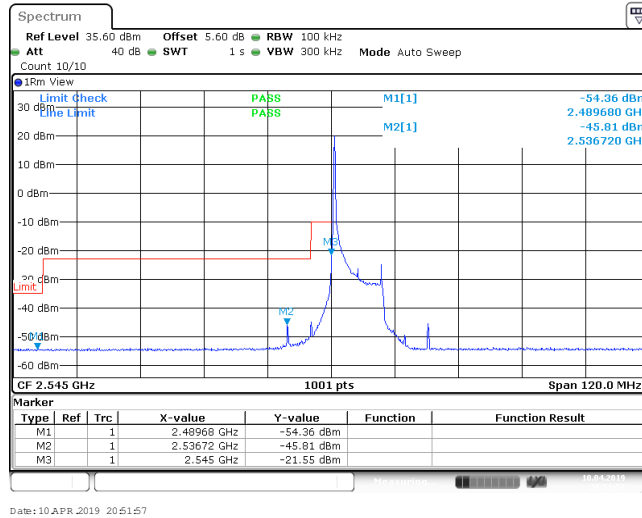


Date: 10 APR.2019 20:49:54

**Band41\_10MHz\_QPSK\_40190\_1RB#0**

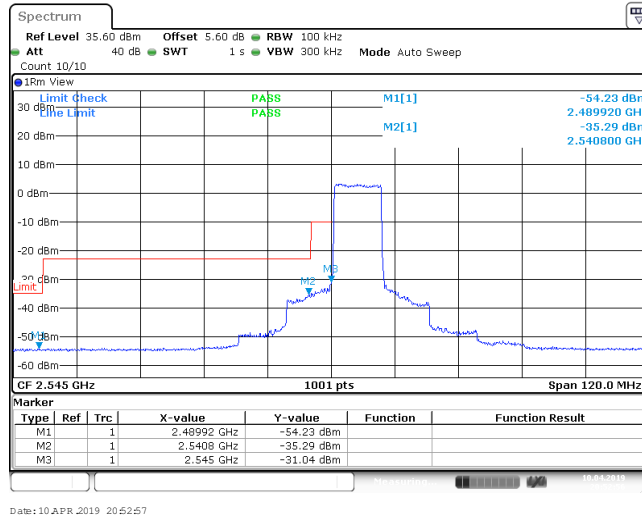


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Date: 10 APR.2019 20:51:57

**Band41\_10MHz\_QPSK\_40190\_50RB#0**

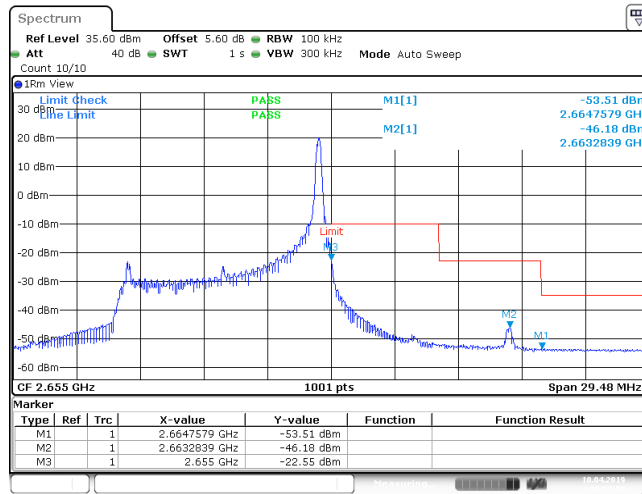


Date: 10 APR.2019 20:52:57

**Band41\_10MHz\_QPSK\_41190\_1RB#49**

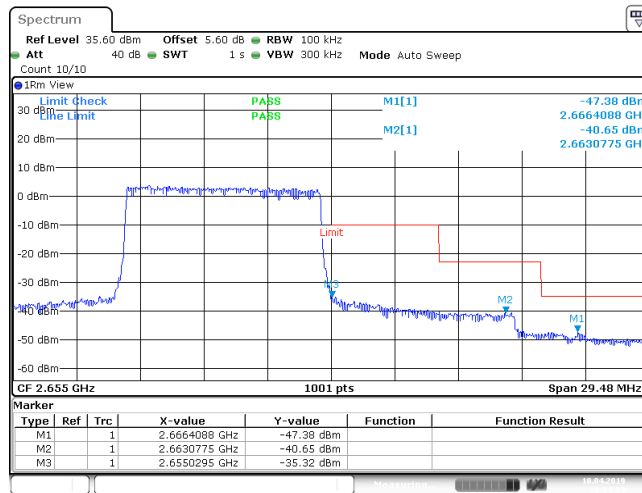


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Date: 10 APR.2019 20:53:59

**Band41\_10MHz\_QPSK\_4190\_50RB#0**

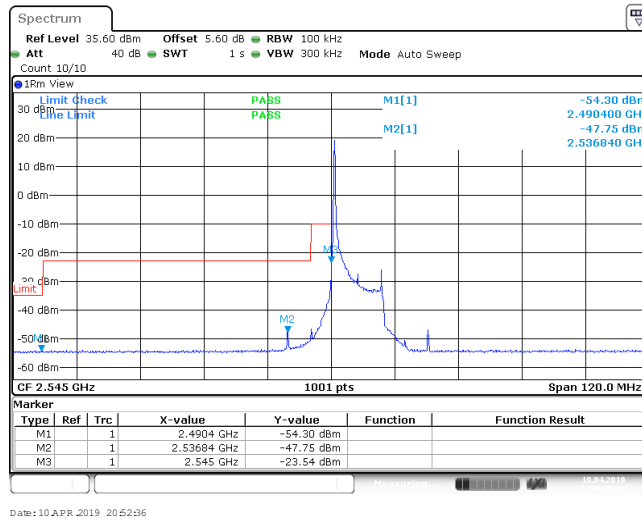


Date: 10 APR.2019 20:55:00

**Band41\_10MHz\_64QAM\_40190\_1RB#0**

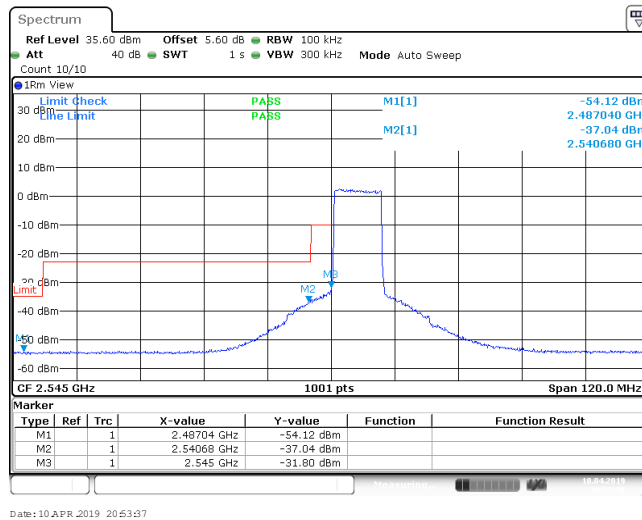


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Date: 10 APR. 2019 20:52:36

**Band41\_10MHz\_64QAM\_40190\_50RB#0**

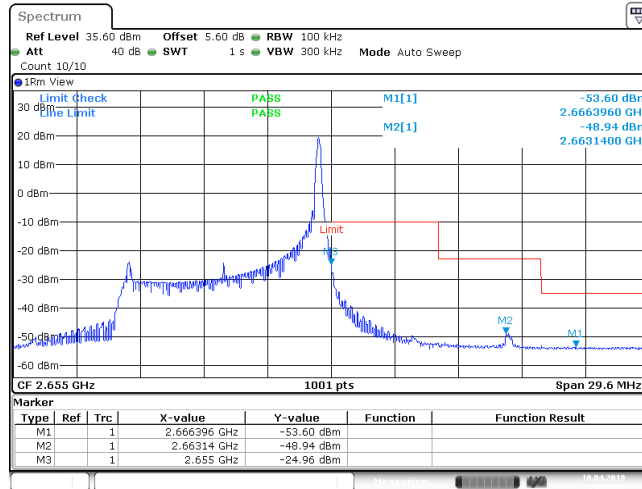


Date: 10 APR. 2019 20:53:07

**Band41\_10MHz\_64QAM\_41190\_1RB#49**

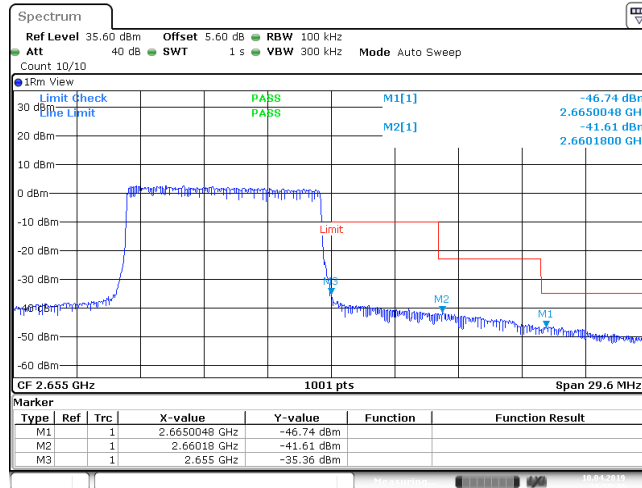


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Date: 10 APR.2019 20:54:39

**Band41\_10MHz\_64QAM\_41190\_50RB#0**

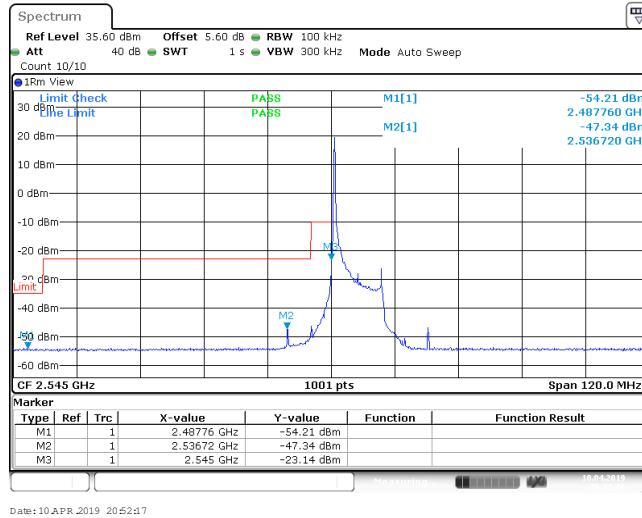


Date: 10 APR.2019 20:55:40

**Band41\_10MHz\_16QAM\_40190\_1RB#0**

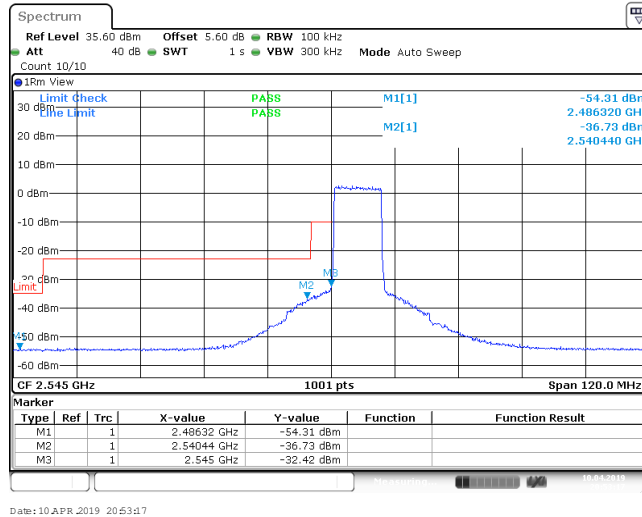


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Date: 10 APR.2019 20:52:17

**Band41\_10MHz\_16QAM\_40190\_50RB#0**



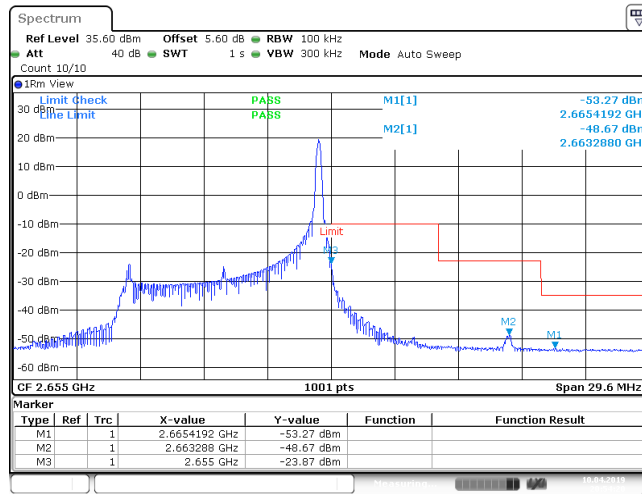
Date: 10 APR.2019 20:53:17

**Band41\_10MHz\_16QAM\_41190\_1RB#49**



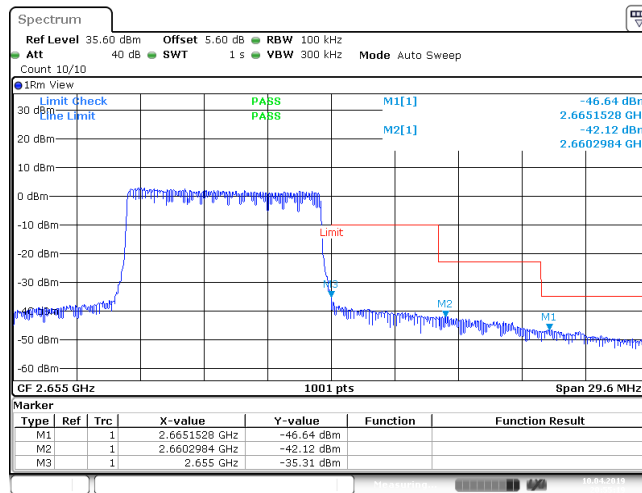
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Date: 10 APR.2019 20:54:20

**Band41\_10MHz\_16QAM\_41190\_50RB#0**



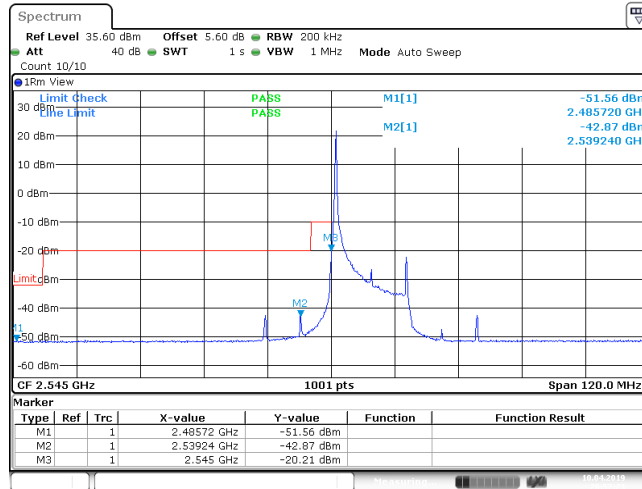
Date: 10 APR.2019 20:55:20

**Band41\_15MHz\_QPSK\_40215\_1RB#0**



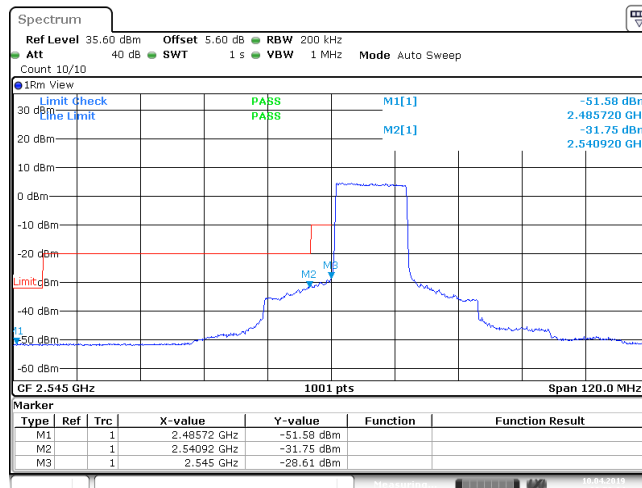
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Date: 10 APR.2019 20:57:24

**Band41\_15MHz\_QPSK\_40215\_75RB#0**

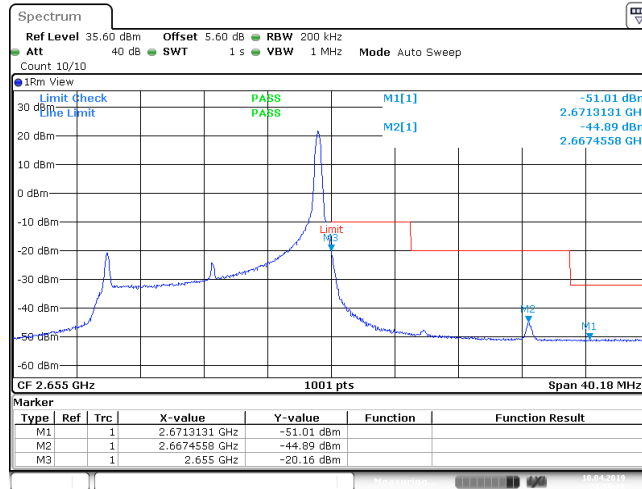


Date: 10 APR.2019 20:58:24

**Band41\_15MHz\_QPSK\_41165\_1RB#74**

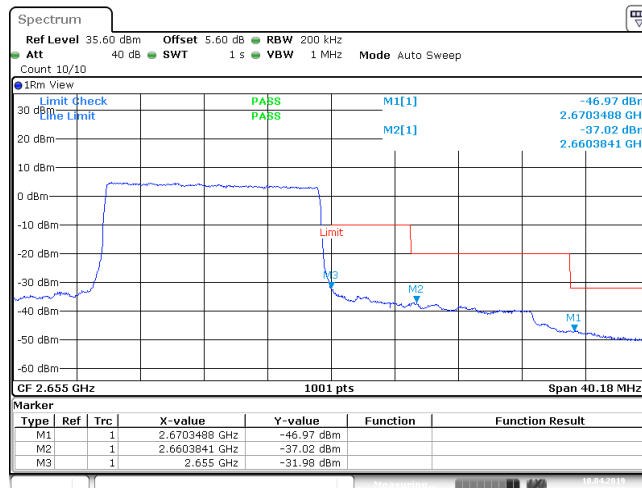


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Date: 10 APR.2019 20:59:29

**Band41\_15MHz\_QPSK\_41165\_75RB#0**

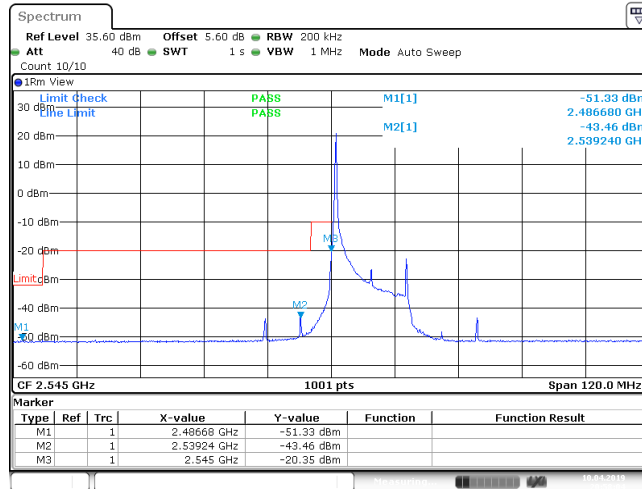


Date: 10 APR.2019 21:00:30

**Band41\_15MHz\_64QAM\_40215\_1RB#0**

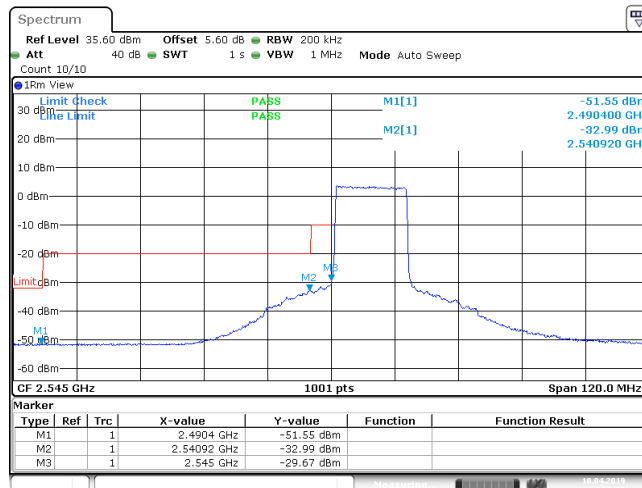


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Date: 10 APR.2019 20:58:04

**Band41\_15MHz\_64QAM\_40215\_75RB#0**

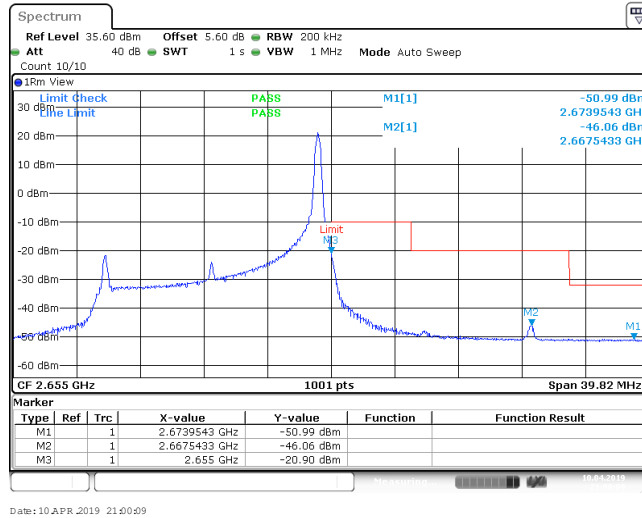


Date: 10 APR.2019 20:59:05

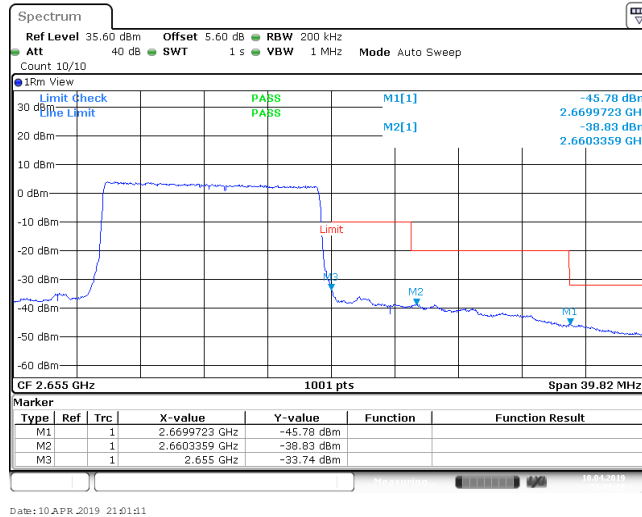
**Band41\_15MHz\_64QAM\_41165\_1RB#74**



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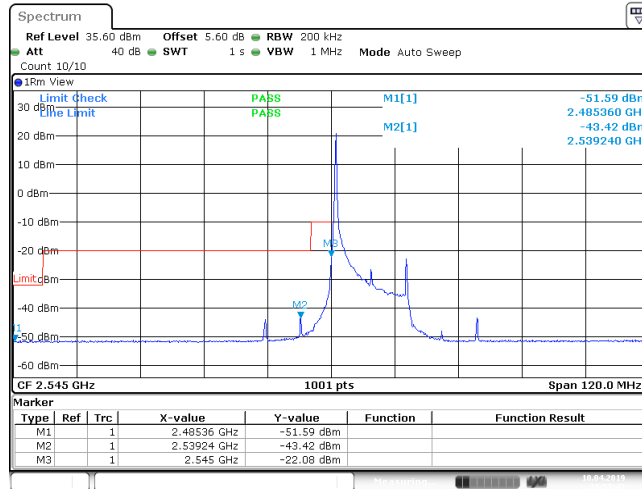
**Band41\_15MHz\_64QAM\_41165\_75RB#0**



**Band41\_15MHz\_16QAM\_40215\_1RB#0**

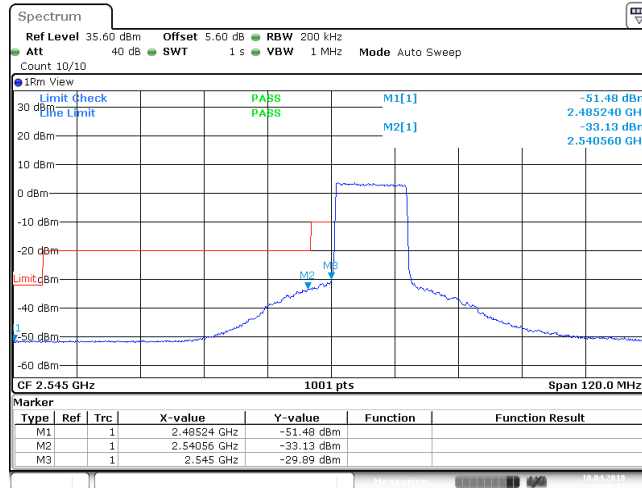


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Date: 10 APR.2019 20:57:44

**Band41\_15MHz\_16QAM\_40215\_75RB#0**

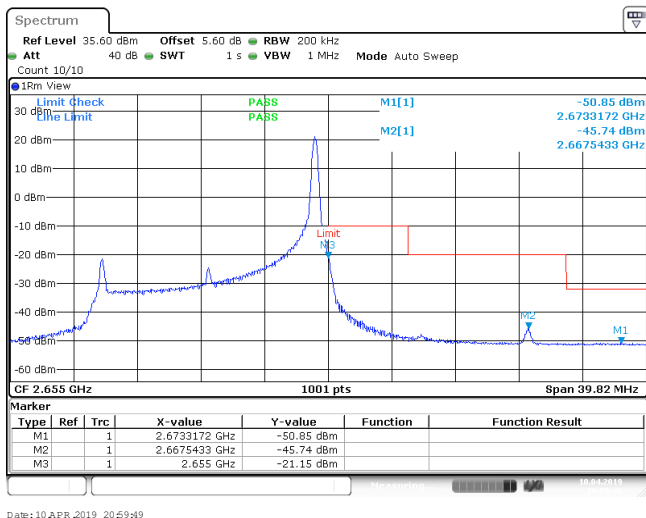


Date: 10 APR.2019 20:58:45

**Band41\_15MHz\_16QAM\_41165\_1RB#74**

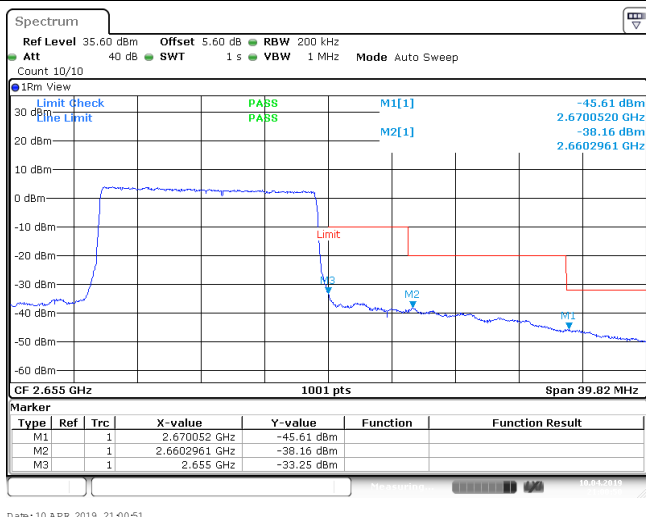


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Date: 10 APR.2019 20:59:49

**Band41\_15MHz\_16QAM\_41165\_75RB#0**

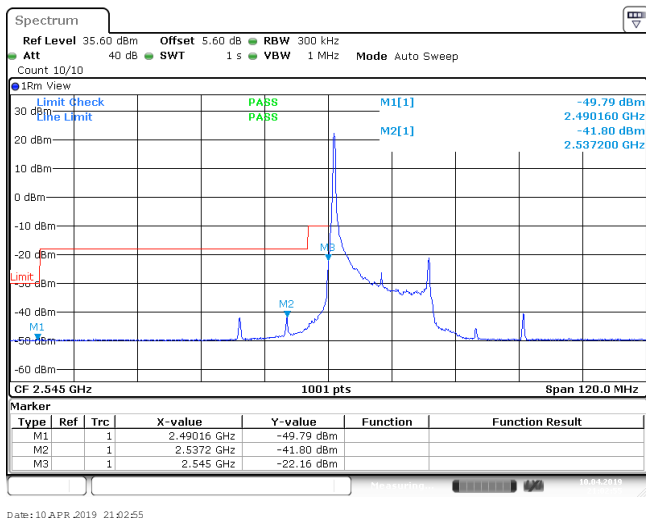


Date: 10 APR.2019 21:00:51

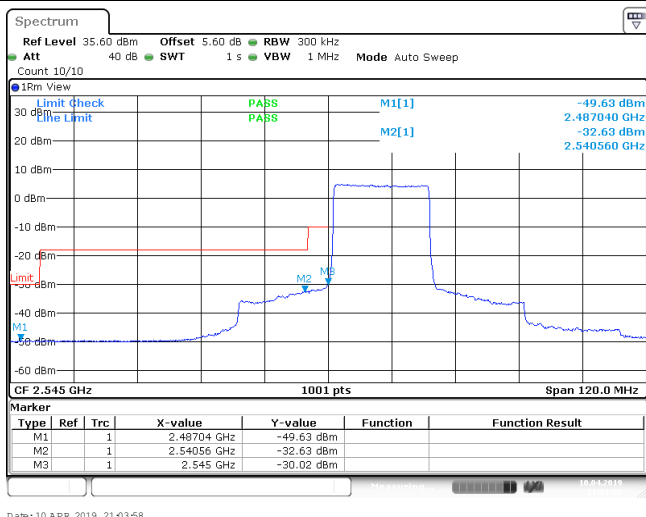
**Band41\_20MHz\_QPSK\_40240\_1RB#0**



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**Band41\_20MHz\_QPSK\_40240\_100RB#0**



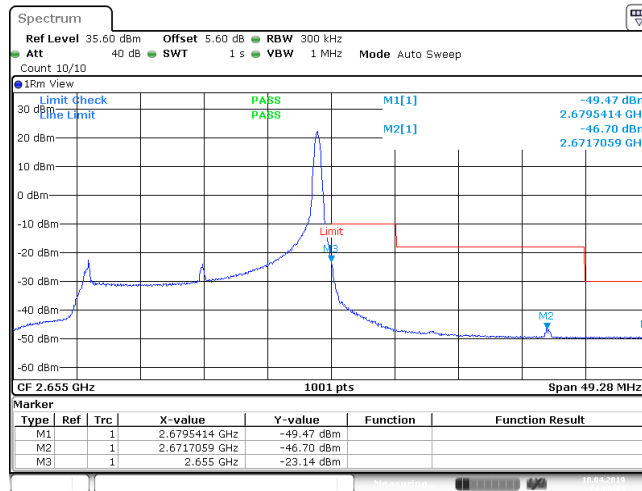
**Band41\_20MHz\_QPSK\_41140\_1RB#99**



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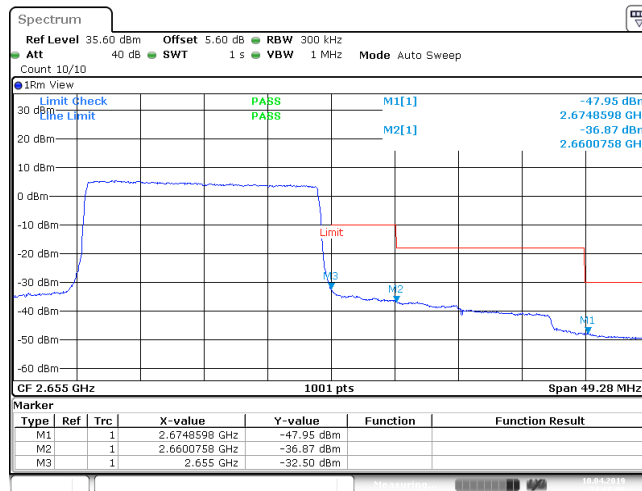
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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Date: 10 APR.2019 21:05:04

**Band41\_20MHz\_QPSK\_41140\_100RB#0**



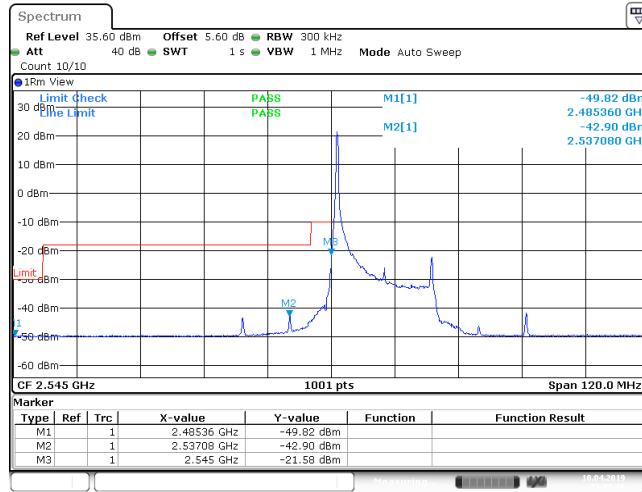
Date: 10 APR.2019 21:06:07

**Band41\_20MHz\_64QAM\_40240\_1RB#0**

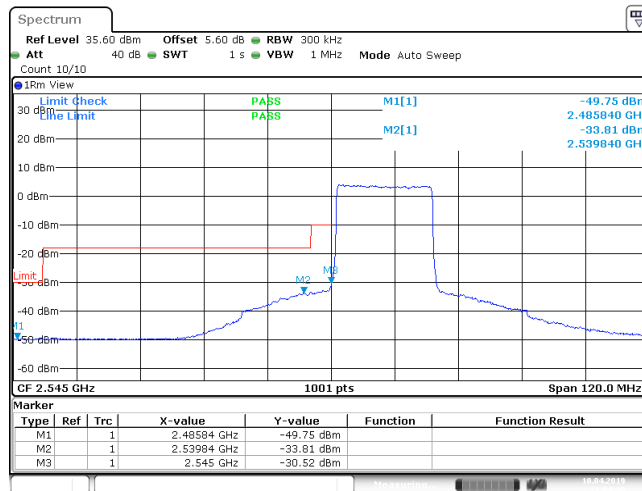


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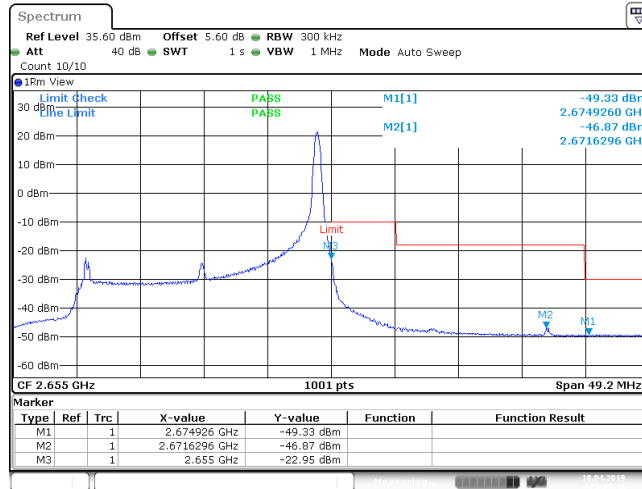
**Band41\_20MHz\_64QAM\_40240\_100RB#0**



**Band41\_20MHz\_64QAM\_41140\_1RB#99**

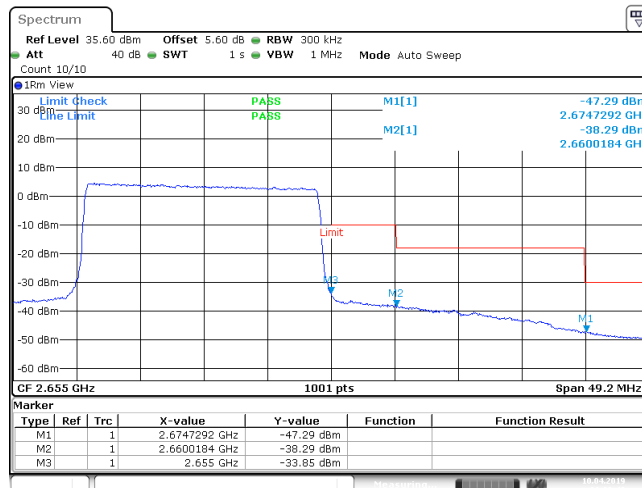


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Date: 10 APR.2019 21:05:46

**Band41\_20MHz\_64QAM\_41140\_100RB#0**

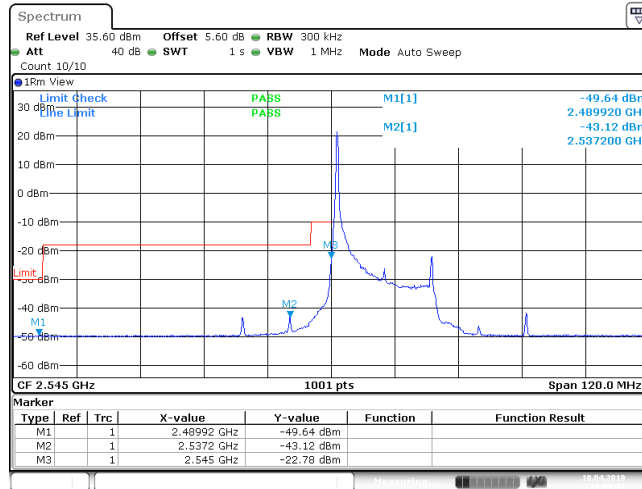


Date: 10 APR.2019 21:06:49

**Band41\_20MHz\_16QAM\_40240\_1RB#0**

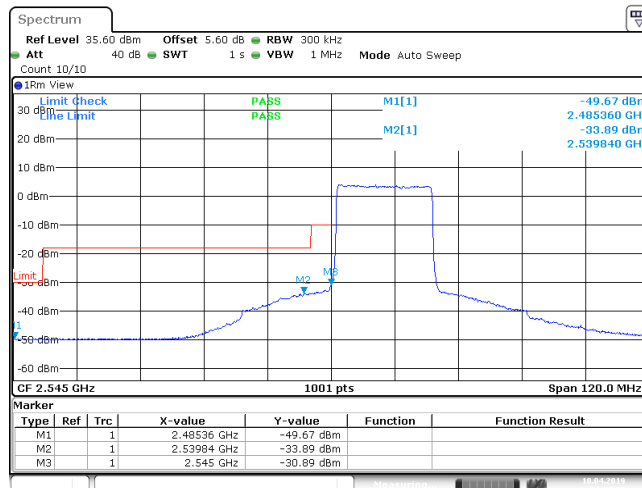


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Date: 10 APR.2019 21:03:16

**Band41\_20MHz\_16QAM\_40240\_100RB#0**

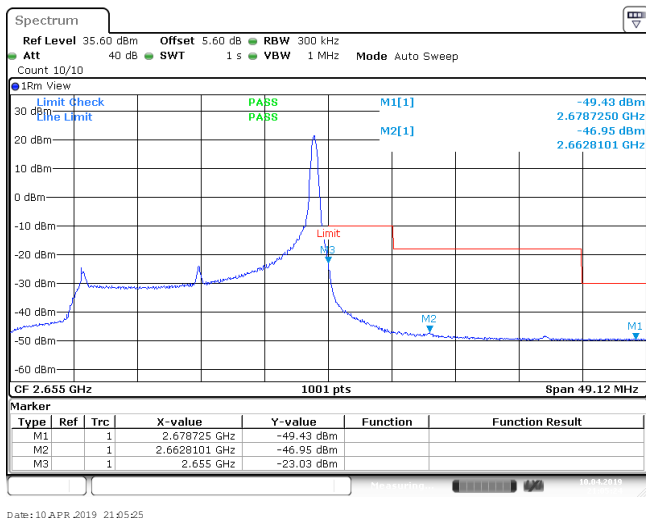


Date: 10 APR.2019 21:04:19

**Band41\_20MHz\_16QAM\_41140\_1RB#99**

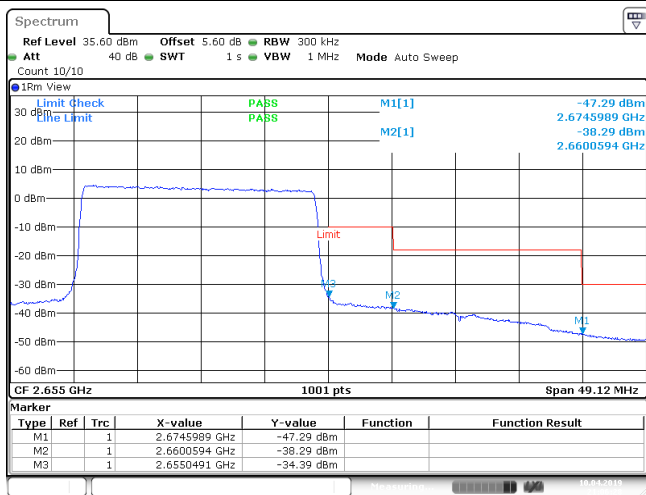


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Date: 10 APR.2019 21:05:25

**Band41\_20MHz\_16QAM\_41140\_100RB#0**



Date: 10 APR.2019 21:06:28



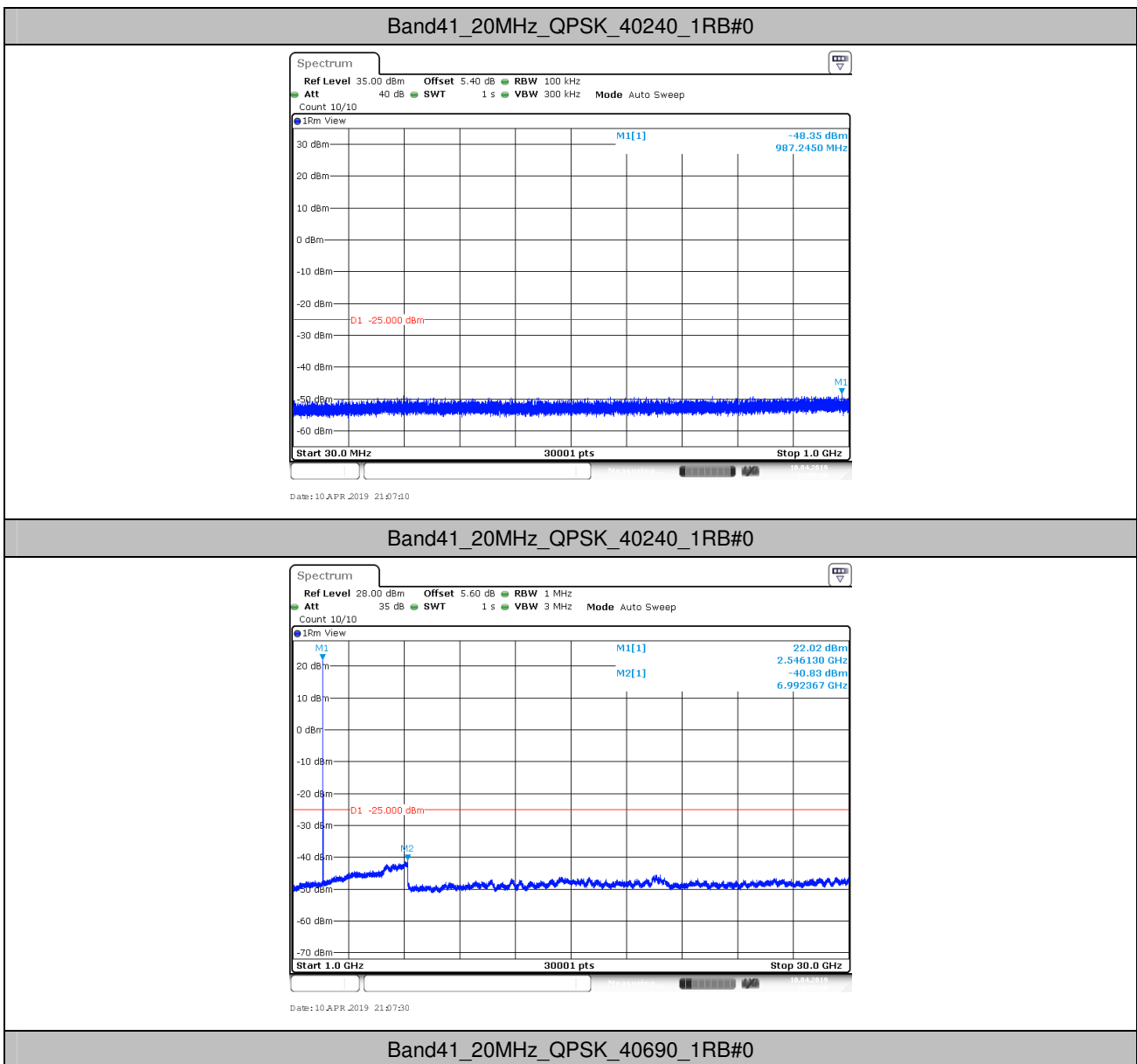
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## 6. Spurious Emission at Antenna Terminal

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

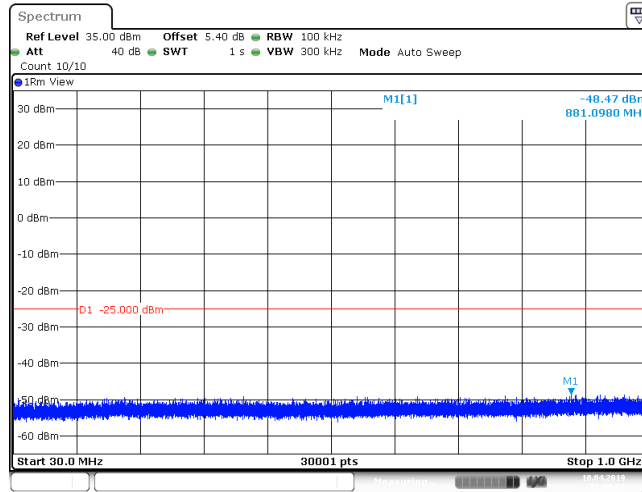
Remark2: only the worst case data displayed in this report.

### 6.1. Test Plots

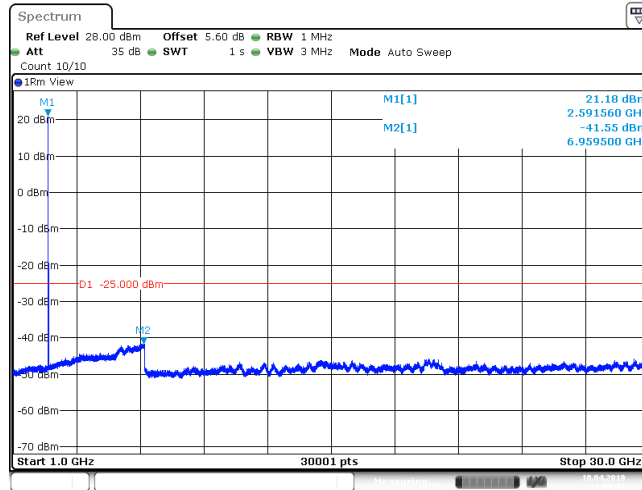


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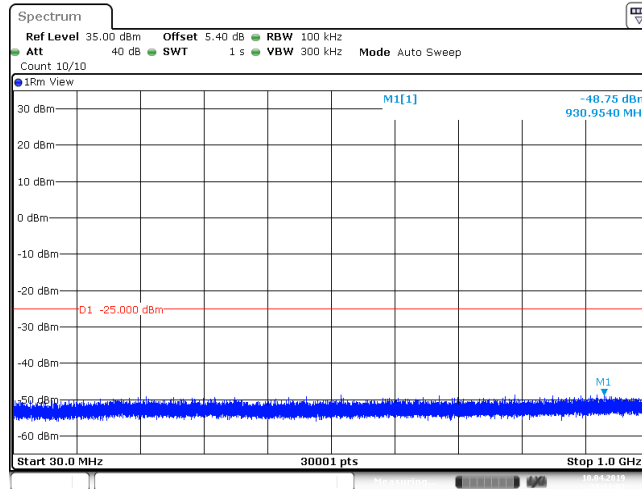
**Band41\_20MHz\_QPSK\_40690\_1RB#0**



**Band41\_20MHz\_QPSK\_41140\_1RB#0**

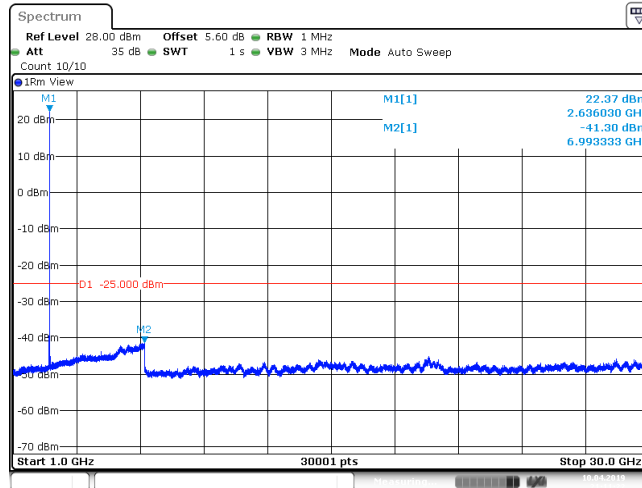


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Date: 10 APR.2019 21:11:23

**Band41\_20MHz\_QPSK\_41140\_1RB#0**

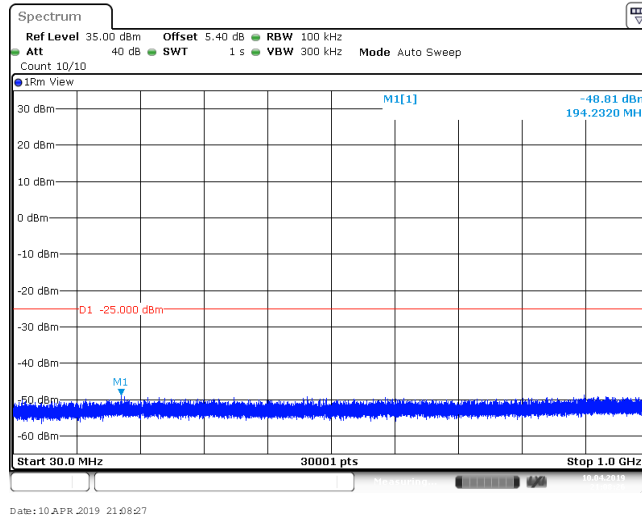


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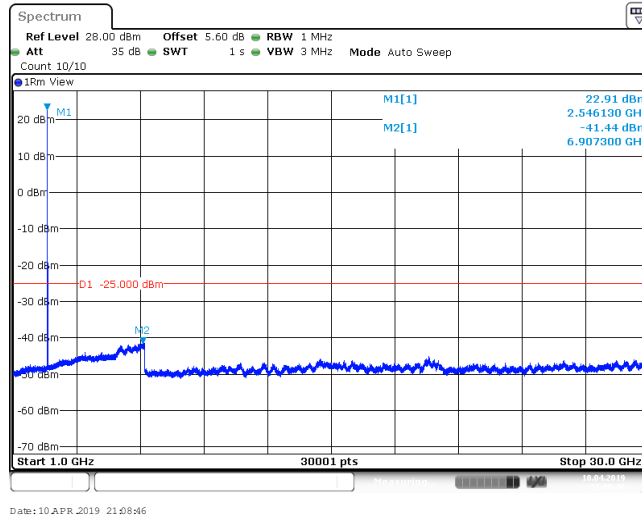
**Band41\_20MHz\_64QAM\_40240\_1RB#0**



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**Band41\_20MHz\_64QAM\_40240\_1RB#0**

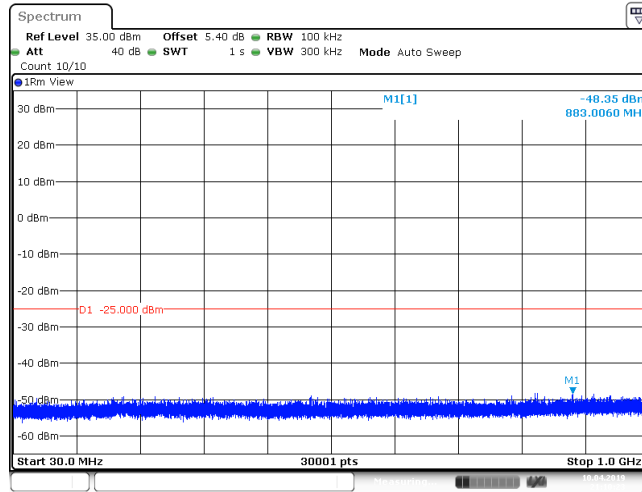


**Band41\_20MHz\_64QAM\_40690\_1RB#0**



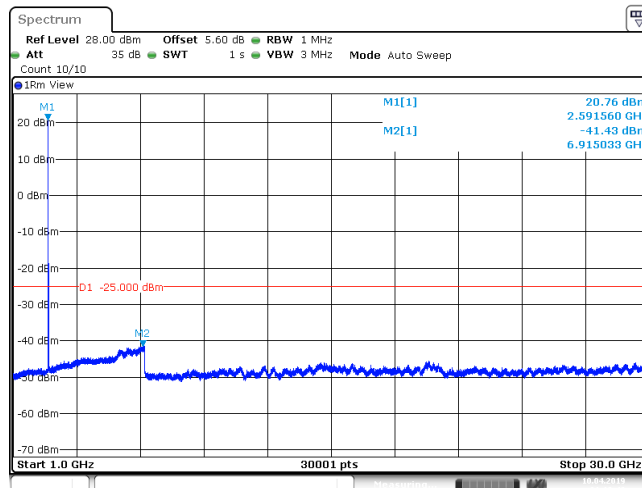
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Date: 10 APR.2019 21:10:23

**Band41\_20MHz\_64QAM\_40690\_1RB#0**

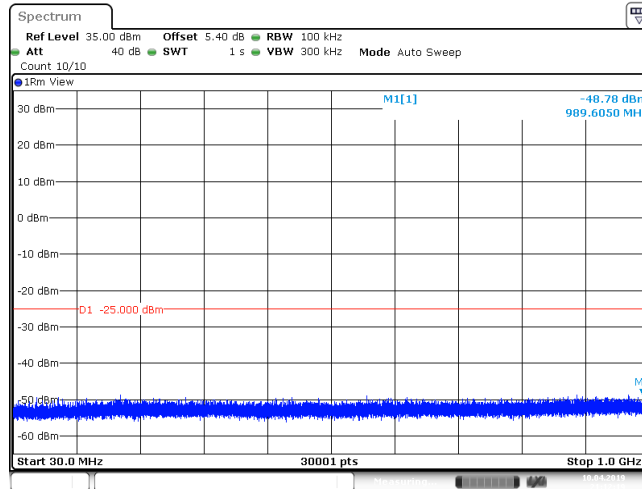


Date: 10 APR.2019 21:10:42

**Band41\_20MHz\_64QAM\_41140\_1RB#0**

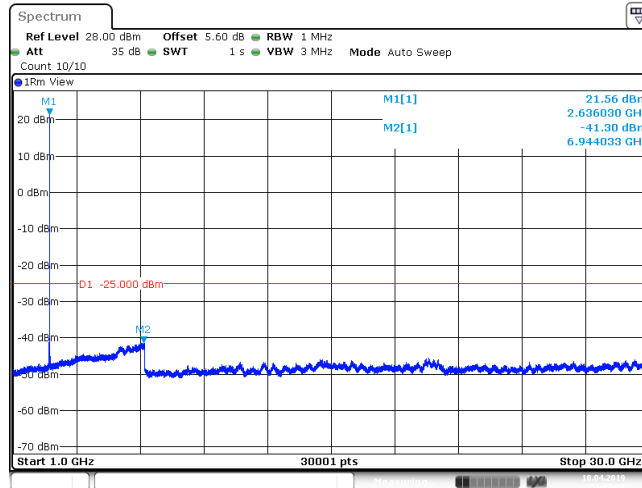


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Date: 10 APR.2019 21:12:19

**Band41\_20MHz\_64QAM\_41140\_1RB#0**

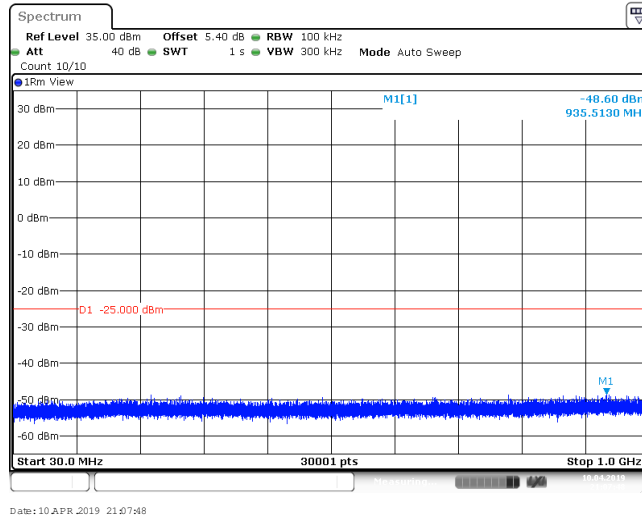


Date: 10 APR.2019 21:12:19

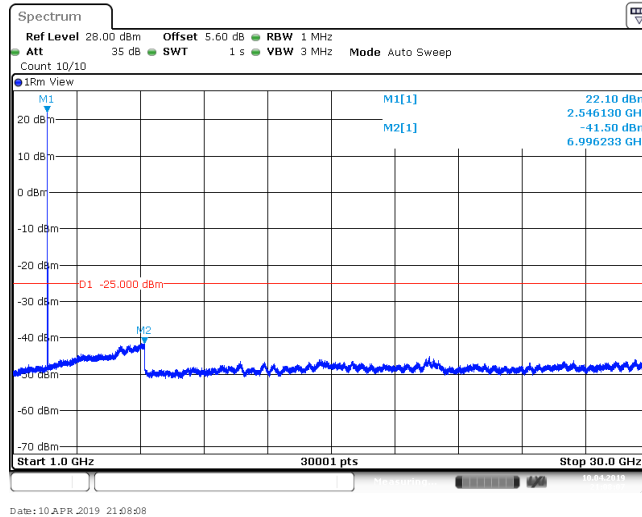
**Band41\_20MHz\_16QAM\_40240\_1RB#0**



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**Band41\_20MHz\_16QAM\_40240\_1RB#0**

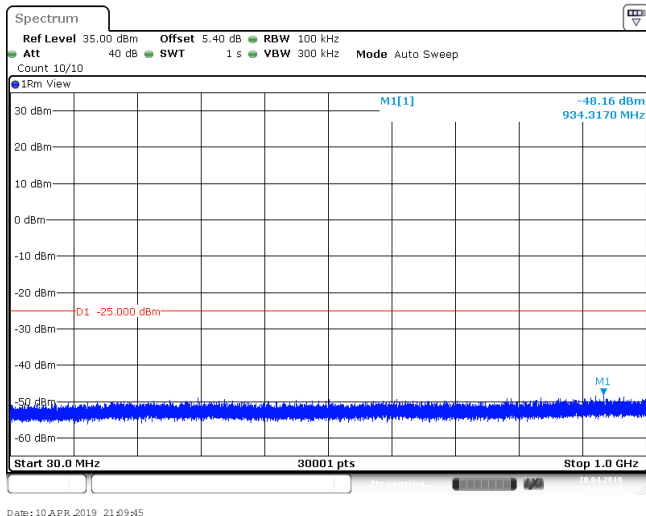


**Band41\_20MHz\_16QAM\_40690\_1RB#0**



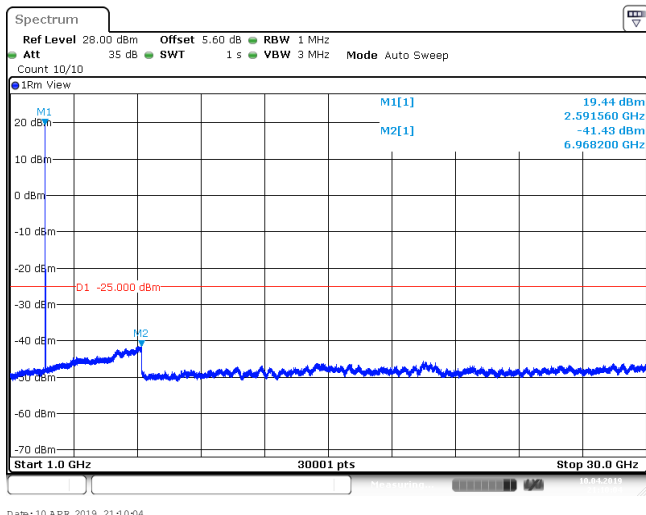
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Date: 10 APR.2019 21:09:45

**Band41\_20MHz\_16QAM\_40690\_1RB#0**

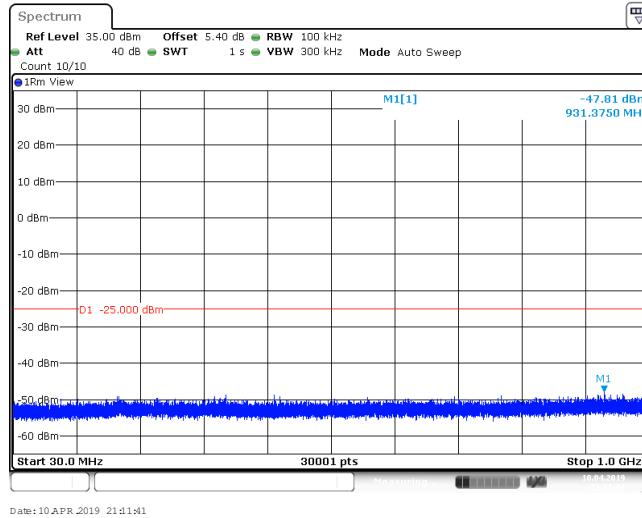


Date: 10 APR.2019 21:10:04

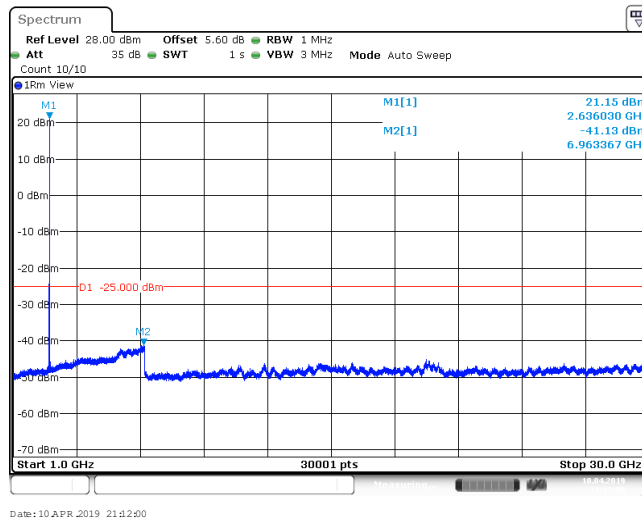
**Band41\_20MHz\_16QAM\_41140\_1RB#0**



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Band41\_20MHz\_16QAM\_41140\_1RB#0



## 7. Field Strength of Spurious Radiation

### 7.1. Main Antenna

#### 7.1.1. Test BAND = LTE Band 41

##### 7.1.1.1. Test Mode = LTE/TM1 20MHz

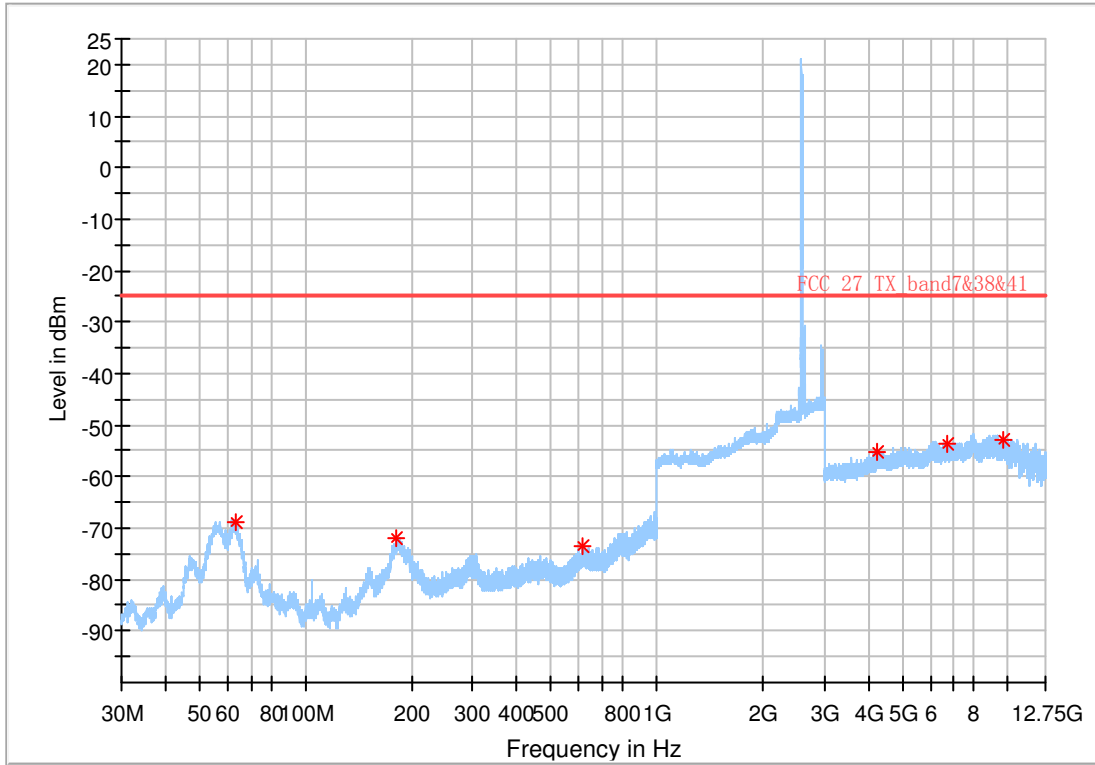
##### 7.1.1.1.1. Test Channel = LCH



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### 7.1.1.1.1. Horizontal

Full Spectrum



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2

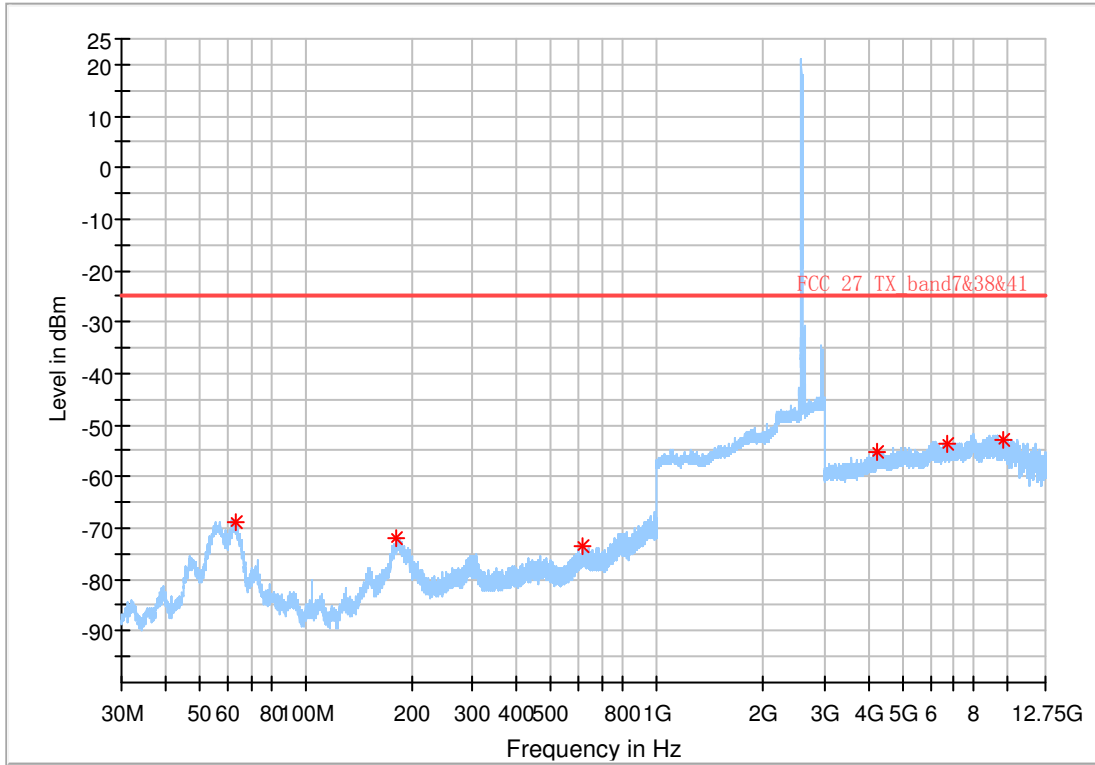


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### 7.1.1.1.1.2. Vertical

Full Spectrum



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



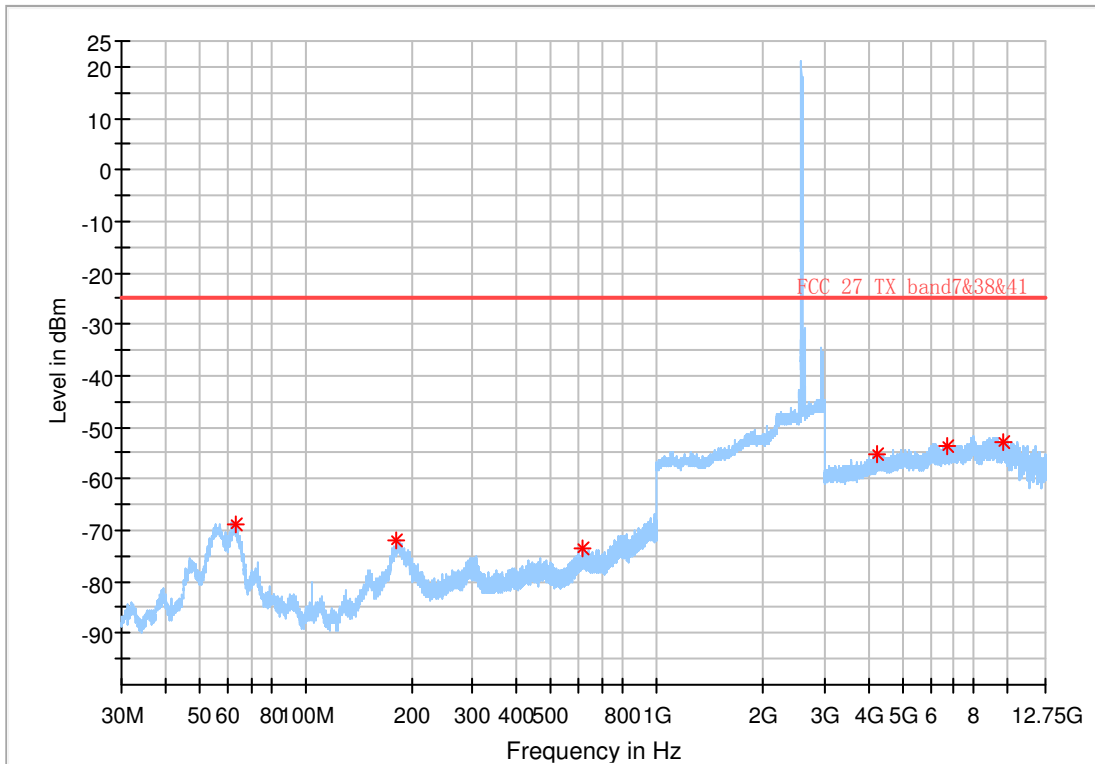
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### 7.1.1.1.2. Test Channel = MCH

#### 7.1.1.1.2.1. Horizontal

Full Spectrum



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



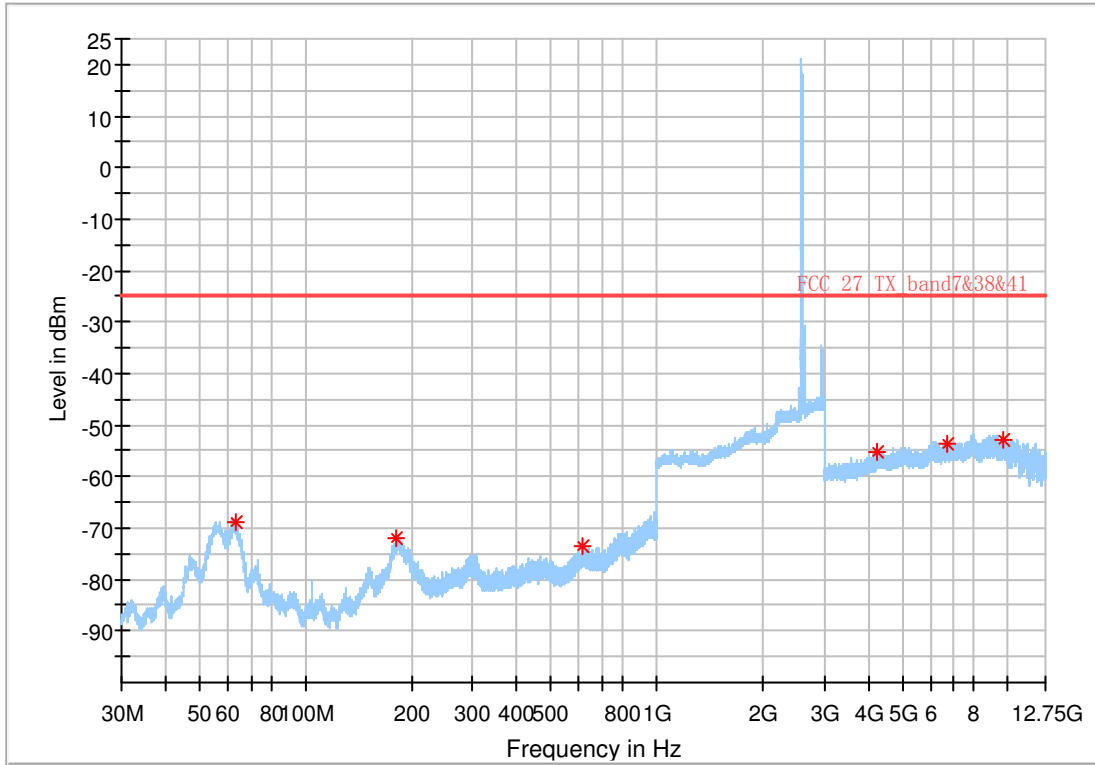
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### 7.1.1.1.2.2. Vertical

Full Spectrum



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



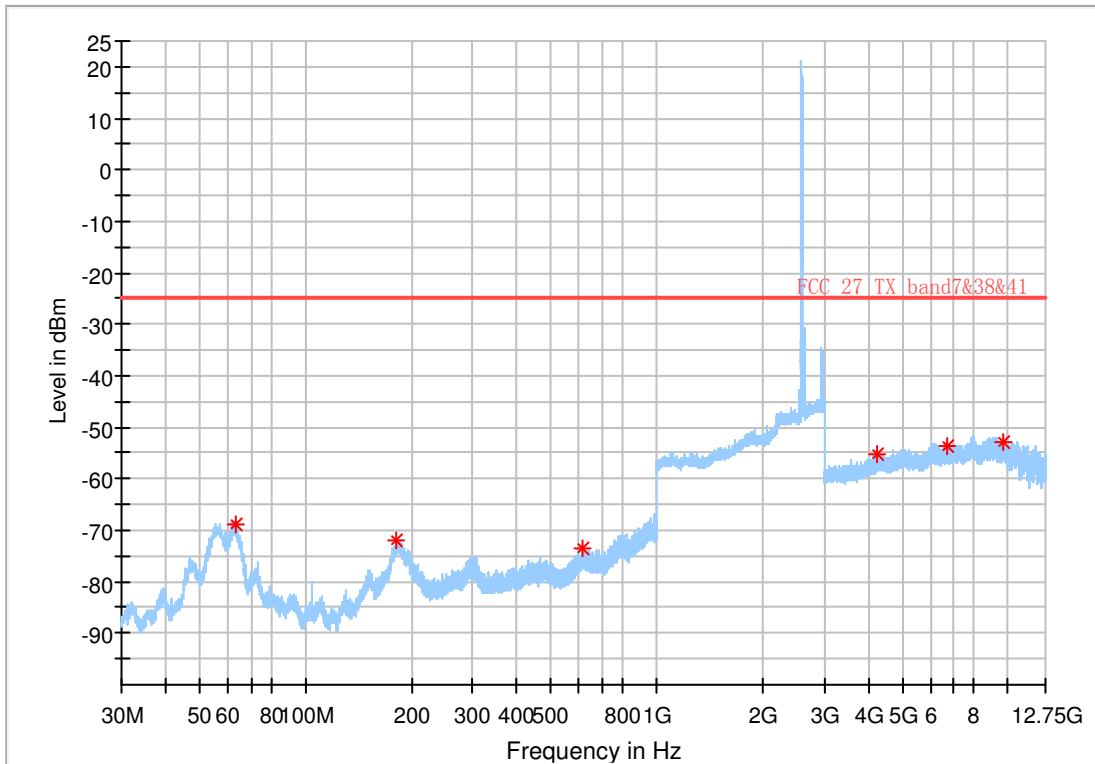
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### 7.1.1.1.3. Test Channel = HCH

#### 7.1.1.1.3.1. Horizontal

Full Spectrum



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2

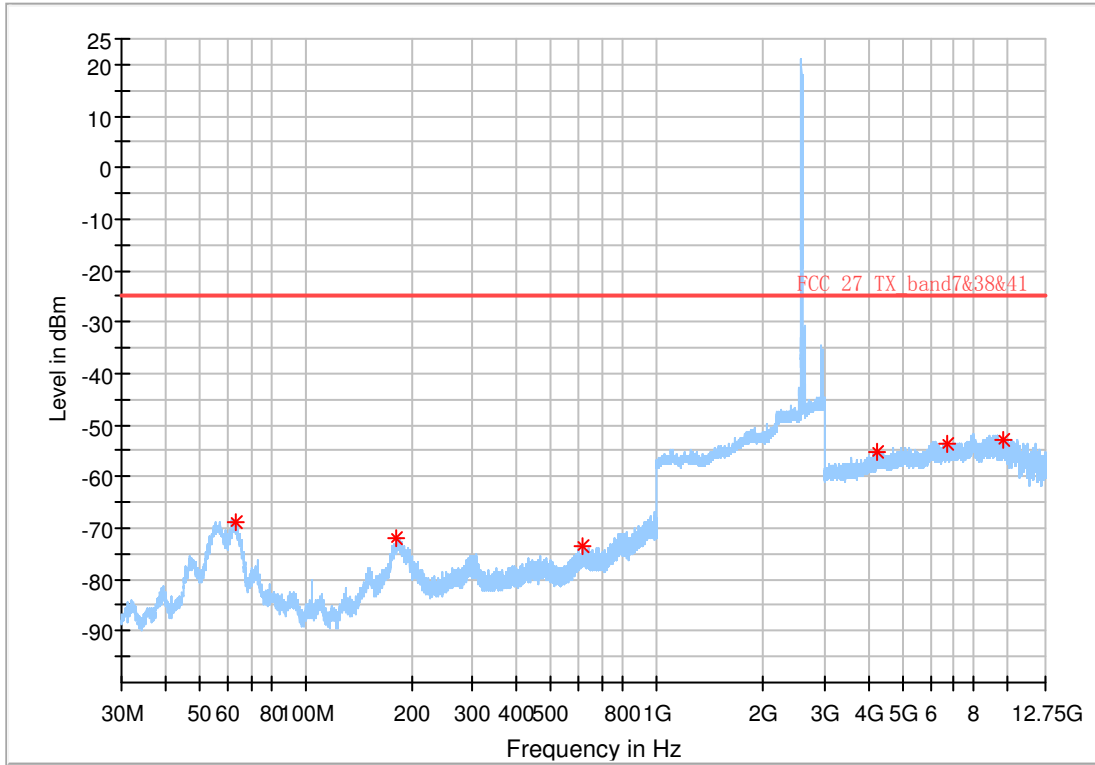


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### 7.1.1.1.3.2. Vertical

Full Spectrum



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



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## 7.2. Secondary Antenna

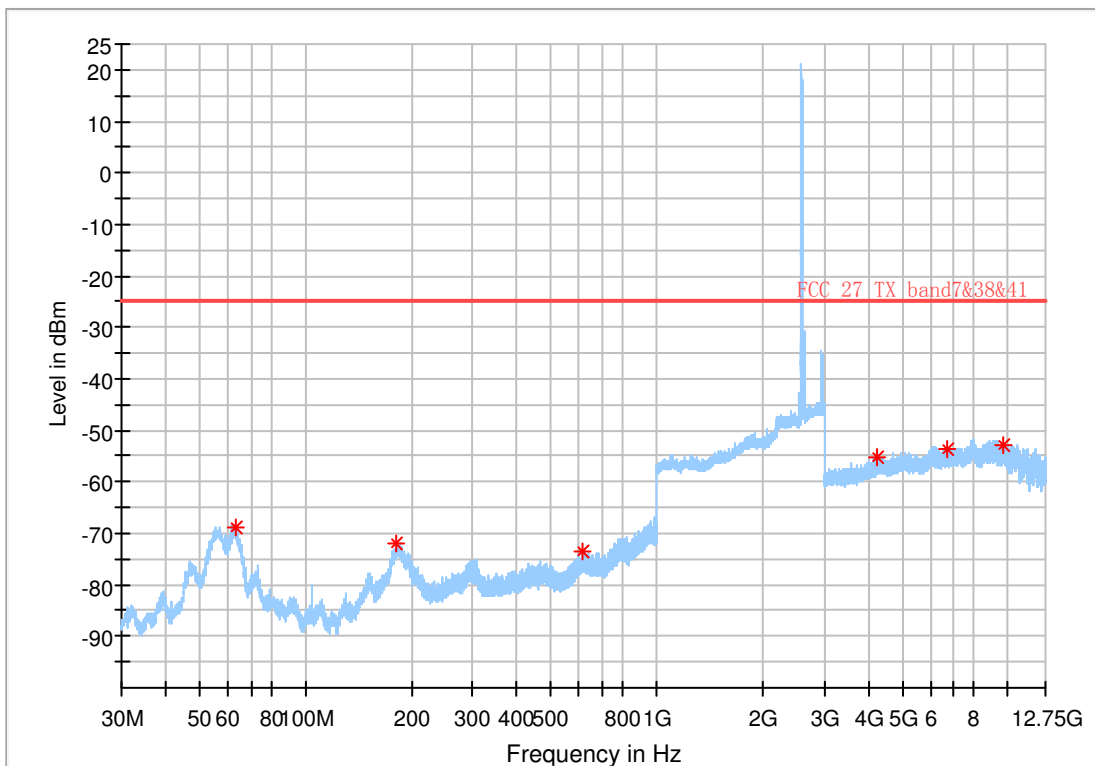
### 7.2.1. Test BAND = LTE Band 41

#### 7.2.1.1. Test Mode = LTE/TM1 20MHz

##### 7.2.1.1.1. Test Channel = LCH

##### 7.2.1.1.1.1. Horizontal

Full Spectrum



## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2

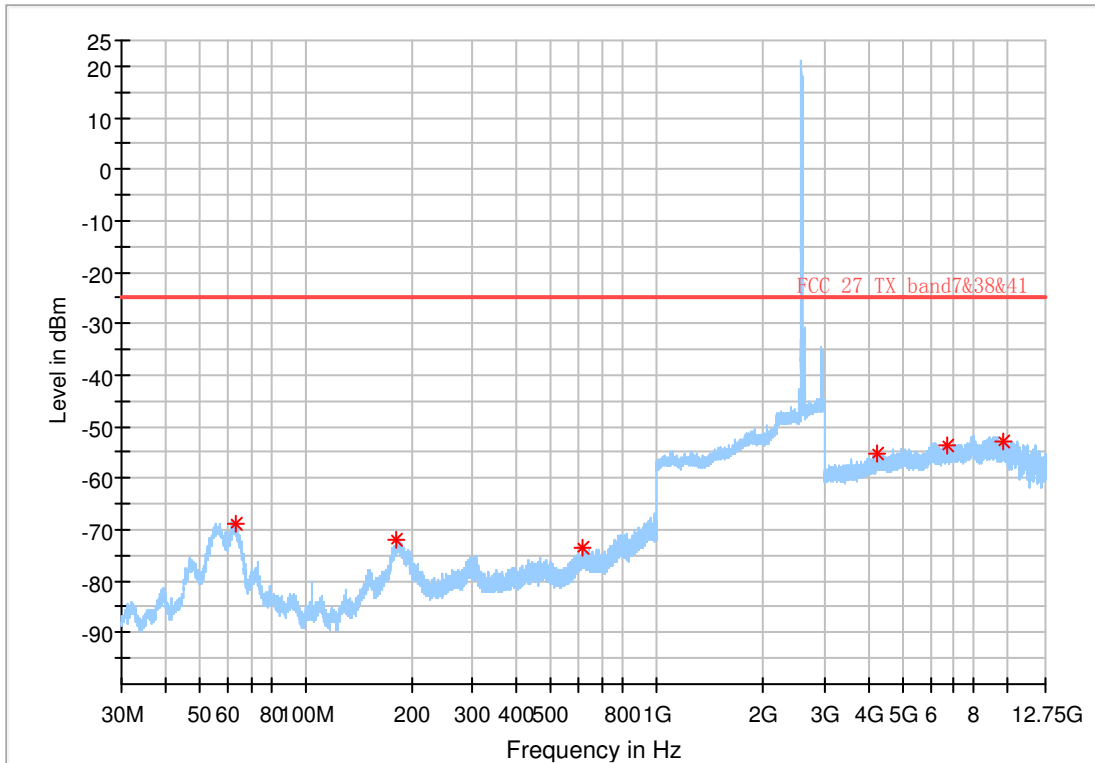


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### 7.2.1.1.1.2. Vertical

Full Spectrum



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2

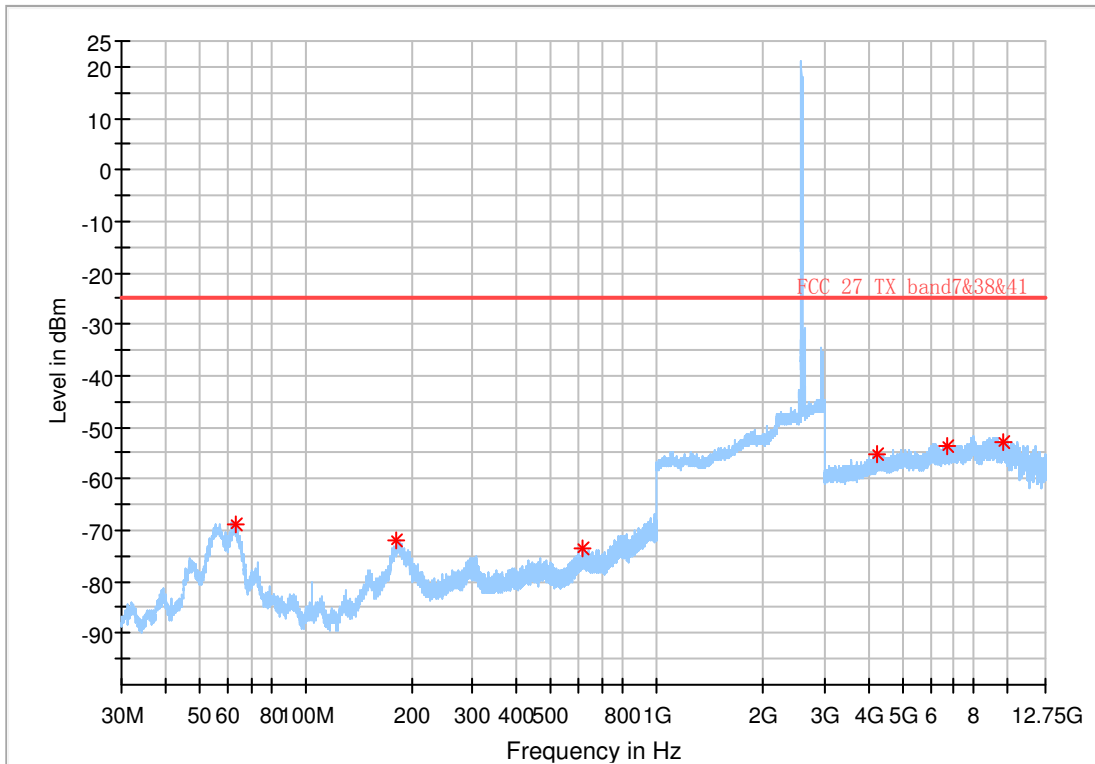


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### 7.2.1.1.2. Test Channel = MCH

#### 7.2.1.1.2.1. Horizontal

Full Spectrum



### Critical\_Freqs

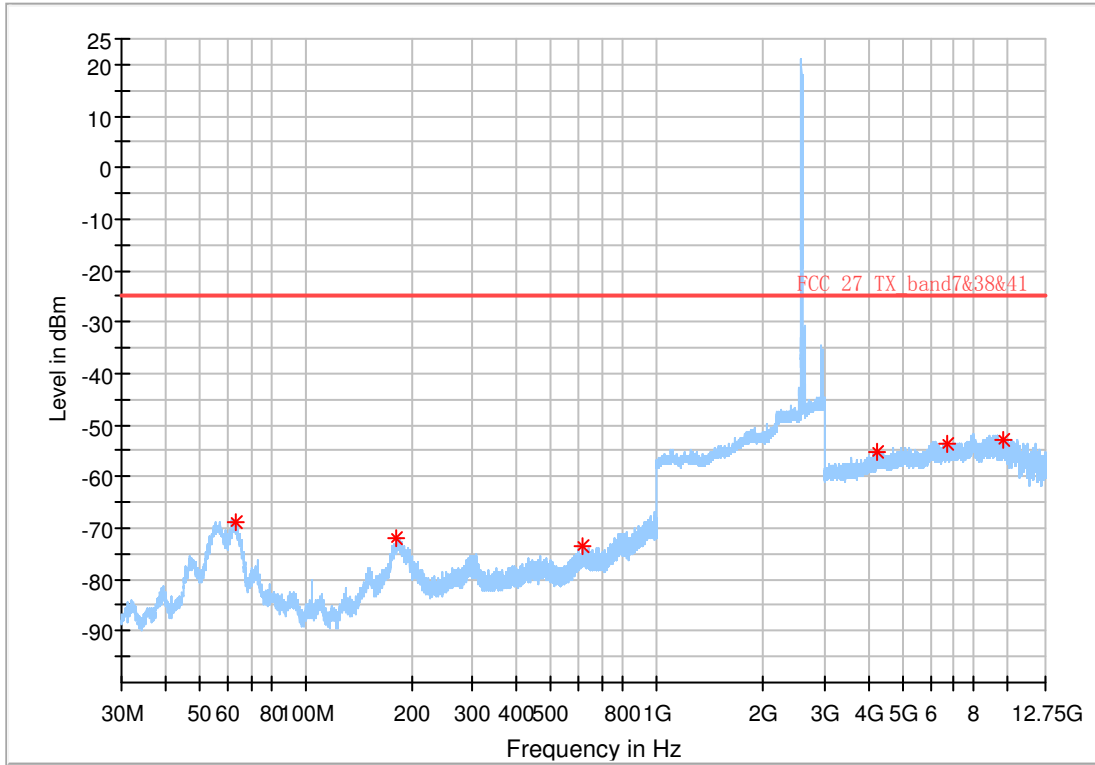
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



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### 7.2.1.1.2.2. Vertical

Full Spectrum



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2



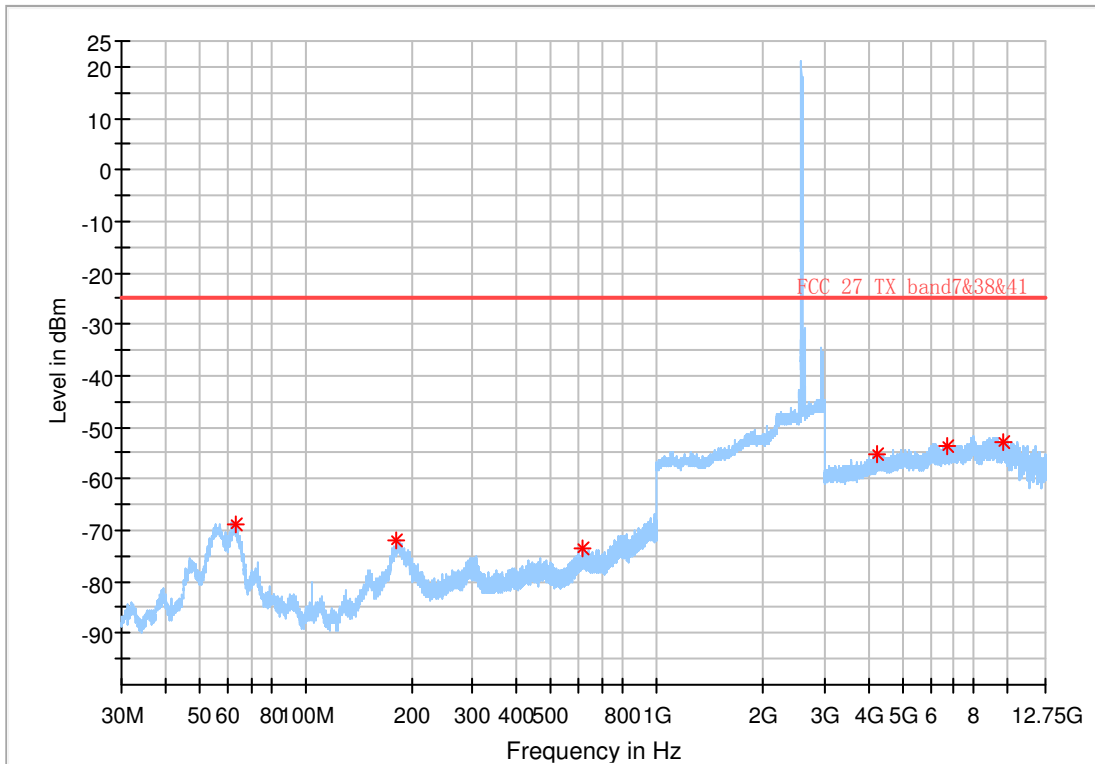
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### 7.2.1.1.3. Test Channel = HCH

#### 7.2.1.1.3.1. Horizontal

Full Spectrum



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2

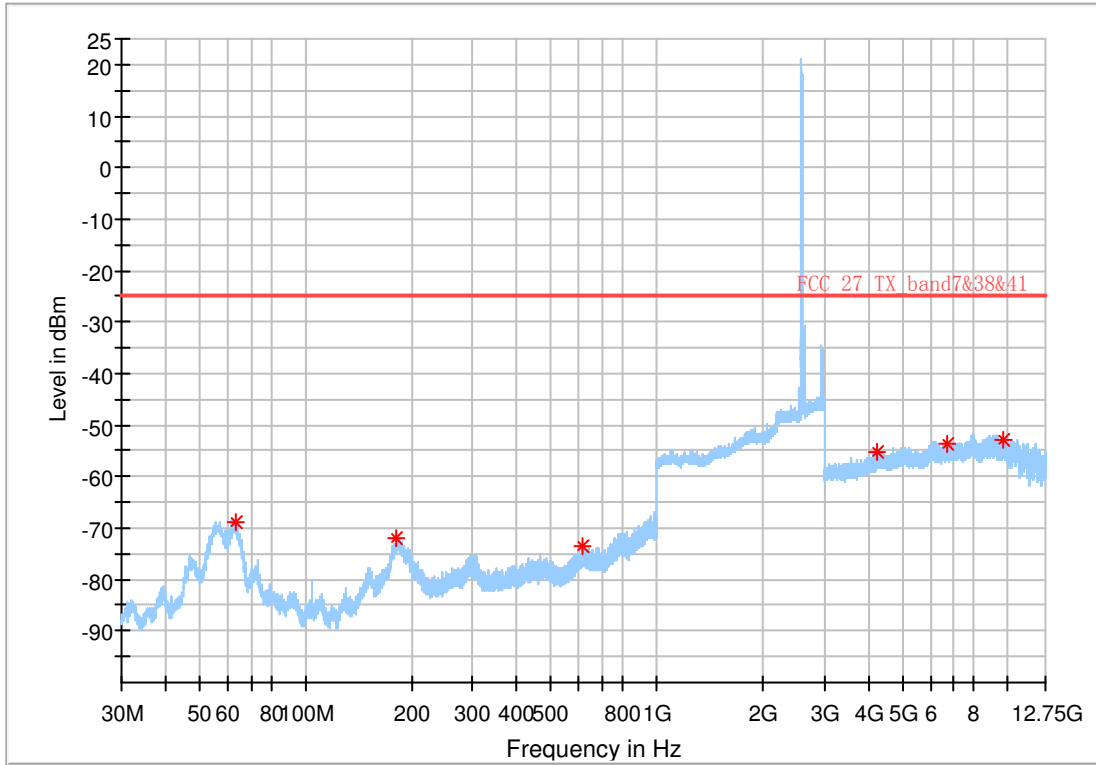


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### 7.2.1.1.3.2. Vertical

Full Spectrum



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
63.250000	-68.66	-25.00	43.66	---	---	200.0	H	359.0	-95.9
182.350000	-72.10	-25.00	47.10	---	---	200.0	H	55.0	-107.1
614.862500	-73.62	-25.00	48.62	---	---	200.0	H	151.0	-98.0
4235.000000	-55.22	-25.00	30.22	---	---	200.0	H	2.0	-103.1
6678.350000	-53.63	-25.00	28.63	---	---	200.0	H	0.0	-99.5
9724.575000	-52.79	-25.00	27.79	---	---	200.0	H	0.0	-97.2

**Remark:**

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.

We have tested all modulation and all Bandwidth , but only the worst case data presented in this report.



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## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

Voltage										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	40240	100RB#0	VL	NT	-13.82	-0.005409	±2.5	PASS
Band41	20MHz	QPSK	40240	100RB#0	VN	NT	-13.80	-0.005401	±2.5	PASS
Band41	20MHz	QPSK	40240	100RB#0	VH	NT	-13.20	-0.005166	±2.5	PASS
Band41	20MHz	QPSK	40690	100RB#0	VL	NT	-10.03	-0.003858	±2.5	PASS
Band41	20MHz	QPSK	40690	100RB#0	VN	NT	-10.23	-0.003935	±2.5	PASS
Band41	20MHz	QPSK	40690	100RB#0	VH	NT	-10.71	-0.004119	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VL	NT	-10.30	-0.003894	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VN	NT	-10.57	-0.003996	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VH	NT	-11.64	-0.004401	±2.5	PASS
Band41	20MHz	64QAM	40240	100RB#0	VL	NT	-10.54	-0.004125	±2.5	PASS
Band41	20MHz	64QAM	40240	100RB#0	VN	NT	-10.66	-0.004172	±2.5	PASS
Band41	20MHz	64QAM	40240	100RB#0	VH	NT	-10.57	-0.004137	±2.5	PASS
Band41	20MHz	64QAM	40690	100RB#0	VL	NT	-12.09	-0.004650	±2.5	PASS
Band41	20MHz	64QAM	40690	100RB#0	VN	NT	-12.76	-0.004908	±2.5	PASS
Band41	20MHz	64QAM	40690	100RB#0	VH	NT	-12.90	-0.004962	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VL	NT	-10.30	-0.003894	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VN	NT	-10.33	-0.003905	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	VH	NT	-9.66	-0.003652	±2.5	PASS
Band41	20MHz	16QAM	40240	100RB#0	VL	NT	-11.29	-0.004419	±2.5	PASS
Band41	20MHz	16QAM	40240	100RB#0	VN	NT	-10.09	-0.003949	±2.5	PASS
Band41	20MHz	16QAM	40240	100RB#0	VH	NT	-9.96	-0.003898	±2.5	PASS
Band41	20MHz	16QAM	40690	100RB#0	VL	NT	-10.77	-0.004142	±2.5	PASS
Band41	20MHz	16QAM	40690	100RB#0	VN	NT	-13.20	-0.005077	±2.5	PASS
Band41	20MHz	16QAM	40690	100RB#0	VH	NT	-11.60	-0.004462	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VL	NT	-12.16	-0.004597	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VN	NT	-22.62	-0.008552	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VH	NT	-9.50	-0.003592	±2.5	PASS



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## 8.2. Frequency Vs Temperature

Temperature										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	40240	100RB#0	NV	-30	-11.97	-0.004685	±2.5	PASS
Band41	20MHz	QPSK	40240	100RB#0	NV	-20	-11.32	-0.004431	±2.5	PASS
Band41	20MHz	QPSK	40240	100RB#0	NV	0	-11.82	-0.004626	±2.5	PASS
Band41	20MHz	QPSK	40240	100RB#0	NV	10	-11.19	-0.004380	±2.5	PASS
Band41	20MHz	QPSK	40240	100RB#0	NV	20	-10.36	-0.004055	±2.5	PASS
Band41	20MHz	QPSK	40240	100RB#0	NV	30	-10.54	-0.004125	±2.5	PASS
Band41	20MHz	QPSK	40240	100RB#0	NV	40	-9.97	-0.003902	±2.5	PASS
Band41	20MHz	QPSK	40240	100RB#0	NV	50	-11.14	-0.004360	±2.5	PASS
Band41	20MHz	QPSK	40690	100RB#0	NV	-30	-10.97	-0.004219	±2.5	PASS
Band41	20MHz	QPSK	40690	100RB#0	NV	-20	-10.63	-0.004088	±2.5	PASS
Band41	20MHz	QPSK	40690	100RB#0	NV	0	-10.71	-0.004119	±2.5	PASS
Band41	20MHz	QPSK	40690	100RB#0	NV	10	-13.30	-0.005115	±2.5	PASS
Band41	20MHz	QPSK	40690	100RB#0	NV	20	-12.77	-0.004912	±2.5	PASS
Band41	20MHz	QPSK	40690	100RB#0	NV	30	-11.69	-0.004496	±2.5	PASS
Band41	20MHz	QPSK	40690	100RB#0	NV	40	-12.80	-0.004923	±2.5	PASS
Band41	20MHz	QPSK	40690	100RB#0	NV	50	-11.86	-0.004562	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-30	-12.42	-0.004696	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-20	-10.83	-0.004095	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	0	-11.49	-0.004344	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	10	-12.17	-0.004601	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	20	-12.37	-0.004677	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	30	-10.89	-0.004117	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	40	-11.56	-0.004371	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	50	-11.13	-0.004208	±2.5	PASS
Band41	20MHz	64QAM	40240	100RB#0	NV	-30	-10.67	-0.004176	±2.5	PASS
Band41	20MHz	64QAM	40240	100RB#0	NV	-20	-10.96	-0.004290	±2.5	PASS
Band41	20MHz	64QAM	40240	100RB#0	NV	0	-11.30	-0.004423	±2.5	PASS
Band41	20MHz	64QAM	40240	100RB#0	NV	10	-11.16	-0.004368	±2.5	PASS
Band41	20MHz	64QAM	40240	100RB#0	NV	20	-10.96	-0.004290	±2.5	PASS
Band41	20MHz	64QAM	40240	100RB#0	NV	30	-9.48	-0.003710	±2.5	PASS
Band41	20MHz	64QAM	40240	100RB#0	NV	40	-9.87	-0.003863	±2.5	PASS
Band41	20MHz	64QAM	40240	100RB#0	NV	50	-10.94	-0.004282	±2.5	PASS
Band41	20MHz	64QAM	40690	100RB#0	NV	-30	-13.22	-0.005085	±2.5	PASS



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Band41	20MHz	64QAM	40690	100RB#0	NV	-20	-12.45	-0.004788	±2.5	PASS
Band41	20MHz	64QAM	40690	100RB#0	NV	0	-10.54	-0.004054	±2.5	PASS
Band41	20MHz	64QAM	40690	100RB#0	NV	10	-13.33	-0.005127	±2.5	PASS
Band41	20MHz	64QAM	40690	100RB#0	NV	20	-13.42	-0.005162	±2.5	PASS
Band41	20MHz	64QAM	40690	100RB#0	NV	30	-10.69	-0.004112	±2.5	PASS
Band41	20MHz	64QAM	40690	100RB#0	NV	40	-8.90	-0.003423	±2.5	PASS
Band41	20MHz	64QAM	40690	100RB#0	NV	50	-10.40	-0.004000	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	-30	-9.40	-0.003554	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	-20	-9.48	-0.003584	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	0	-9.28	-0.003509	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	10	-10.31	-0.003898	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	20	-10.54	-0.003985	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	30	-10.79	-0.004079	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	40	-10.39	-0.003928	±2.5	PASS
Band41	20MHz	64QAM	41140	100RB#0	NV	50	-11.29	-0.004268	±2.5	PASS
Band41	20MHz	16QAM	40240	100RB#0	NV	-30	-10.94	-0.004282	±2.5	PASS
Band41	20MHz	16QAM	40240	100RB#0	NV	-20	-11.72	-0.004587	±2.5	PASS
Band41	20MHz	16QAM	40240	100RB#0	NV	0	-10.47	-0.004098	±2.5	PASS
Band41	20MHz	16QAM	40240	100RB#0	NV	10	-11.39	-0.004458	±2.5	PASS
Band41	20MHz	16QAM	40240	100RB#0	NV	20	-11.04	-0.004321	±2.5	PASS
Band41	20MHz	16QAM	40240	100RB#0	NV	30	-16.92	-0.006622	±2.5	PASS
Band41	20MHz	16QAM	40240	100RB#0	NV	40	-11.04	-0.004321	±2.5	PASS
Band41	20MHz	16QAM	40240	100RB#0	NV	50	-12.57	-0.004920	±2.5	PASS
Band41	20MHz	16QAM	40690	100RB#0	NV	-30	-14.25	-0.005481	±2.5	PASS
Band41	20MHz	16QAM	40690	100RB#0	NV	-20	-12.22	-0.004700	±2.5	PASS
Band41	20MHz	16QAM	40690	100RB#0	NV	0	-12.79	-0.004919	±2.5	PASS
Band41	20MHz	16QAM	40690	100RB#0	NV	10	-11.87	-0.004565	±2.5	PASS
Band41	20MHz	16QAM	40690	100RB#0	NV	20	-13.99	-0.005381	±2.5	PASS
Band41	20MHz	16QAM	40690	100RB#0	NV	30	-10.77	-0.004142	±2.5	PASS
Band41	20MHz	16QAM	40690	100RB#0	NV	40	-14.06	-0.005408	±2.5	PASS
Band41	20MHz	16QAM	40690	100RB#0	NV	50	-12.43	-0.004781	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-30	-11.80	-0.004461	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-20	-8.98	-0.003395	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	0	-9.36	-0.003539	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	10	-10.16	-0.003841	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	20	-9.74	-0.003682	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	30	-10.70	-0.004045	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	40	-10.37	-0.003921	±2.5	PASS



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Band41	20MHz	16QAM	41140	100RB#0	NV	50	-10.16	-0.003841	±2.5	PASS
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The End



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