

Appendix B

E-UTRA Band 7



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

ANT13:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.91	20.87	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.88	20.84	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.86	20.82	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.94	19.90	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.94	19.90	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.90	19.86	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.97	19.93	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.74	20.70	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.72	20.68	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.78	20.74	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.65	19.61	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.73	19.69	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.72	19.68	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.69	19.65	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.02	20.98	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.87	20.83	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.04	21.00	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.88	19.84	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.89	19.85	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.89	19.85	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.88	19.84	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.81	19.77	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.76	19.72	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.91	19.87	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.98	18.94	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.91	18.87	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.94	18.90	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.94	18.90	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.63	19.59	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.06	20.02	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.07	20.03	33.00	PASS



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Band7	5MHz	16QAM	21100	12RB#0	20.77	18.73	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.77	18.73	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.75	18.71	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.71	18.67	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.27	20.23	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.03	19.99	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.26	20.22	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.93	18.89	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.87	18.83	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.85	18.81	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.94	18.90	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	20.76	18.72	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	20.74	18.70	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	20.85	18.81	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#0	20.44	18.40	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#6	20.21	18.17	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#13	20.42	18.38	33.00	PASS
Band7	5MHz	64QAM	20775	25RB#0	20.51	18.47	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	20.86	18.82	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	20.82	18.78	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	20.90	18.86	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#0	19.97	17.93	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#6	20.07	18.03	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#13	20.27	18.23	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	20.15	18.11	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	21.08	19.04	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	20.92	18.88	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	21.07	19.03	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#0	20.24	18.20	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#6	20.38	18.34	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#13	20.29	18.25	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	20.13	18.09	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.89	20.85	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.87	20.83	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.92	20.88	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.92	19.88	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.88	19.84	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.98	19.94	33.00	PASS



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Band7	10MHz	QPSK	20800	50RB#0	21.93	19.89	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.68	20.64	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.74	20.70	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.77	20.73	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.80	19.76	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.71	19.67	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.73	19.69	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.74	19.70	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.82	20.78	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.95	20.91	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.95	20.91	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.90	19.86	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.91	19.87	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.95	19.91	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.89	19.85	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.88	19.84	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.23	20.19	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.23	20.19	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.87	18.83	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.03	18.99	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.92	18.88	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.93	18.89	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.57	19.53	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.95	19.91	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.78	19.74	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.73	18.69	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.74	18.70	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.76	18.72	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.72	18.68	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.21	20.17	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.94	19.90	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.20	20.16	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.95	18.91	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.90	18.86	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.99	18.95	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.87	18.83	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	20.76	18.72	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	20.82	18.78	33.00	PASS



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Band7	10MHz	64QAM	20800	25RB#0	20.22	18.18	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#12	20.14	18.10	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#25	20.42	18.38	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	20.29	18.25	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	20.73	18.69	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	20.80	18.76	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	20.87	18.83	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#0	20.27	18.23	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#12	20.22	18.18	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#25	20.06	18.02	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	20.06	18.02	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	20.90	18.86	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	20.82	18.78	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	20.81	18.77	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#0	20.37	18.33	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#12	20.19	18.15	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#25	20.31	18.27	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.34	18.30	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.07	21.03	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.03	20.99	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.82	20.78	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#0	21.90	19.86	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#18	21.93	19.89	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#37	21.95	19.91	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.94	19.90	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.76	20.72	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.85	20.81	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.90	20.86	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#0	21.76	19.72	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#18	21.73	19.69	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#37	21.71	19.67	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.82	19.78	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.88	20.84	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.76	20.72	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.91	20.87	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#0	21.82	19.78	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#18	21.98	19.94	33.00	PASS



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Band7	15MHz	QPSK	21375	75RB#0	21.98	19.94	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.95	19.91	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.23	20.19	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.94	19.90	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#0	20.96	18.92	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#18	20.95	18.91	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#37	20.90	18.86	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.92	18.88	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.74	19.70	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.93	19.89	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.01	19.97	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#0	20.80	18.76	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#18	20.78	18.74	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#37	20.76	18.72	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.73	18.69	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.84	19.80	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.25	20.21	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.09	20.05	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#0	20.93	18.89	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#18	20.88	18.84	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#37	20.91	18.87	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.92	18.88	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	21.09	19.05	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	20.97	18.93	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	20.70	18.66	33.00	PASS
Band7	15MHz	64QAM	20825	38RB#0	20.19	18.15	33.00	PASS
Band7	15MHz	64QAM	20825	38RB#18	20.34	18.30	33.00	PASS
Band7	15MHz	64QAM	20825	38RB#37	20.20	18.16	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	20.33	18.29	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	20.82	18.78	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	20.94	18.90	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	20.99	18.95	33.00	PASS
Band7	15MHz	64QAM	21100	38RB#0	20.10	18.06	33.00	PASS
Band7	15MHz	64QAM	21100	38RB#18	19.99	17.95	33.00	PASS
Band7	15MHz	64QAM	21100	38RB#37	20.08	18.04	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	20.29	18.25	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	20.97	18.93	33.00	PASS



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Band7	15MHz	64QAM	21375	1RB#38	20.63	18.59	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	20.88	18.84	33.00	PASS
Band7	15MHz	64QAM	21375	38RB#0	20.33	18.29	33.00	PASS
Band7	15MHz	64QAM	21375	38RB#18	20.24	18.20	33.00	PASS
Band7	15MHz	64QAM	21375	38RB#37	20.43	18.39	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.30	18.26	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.06	21.02	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.82	20.78	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.84	20.80	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.86	19.82	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.97	19.93	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.96	19.92	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.89	19.85	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.77	20.73	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.75	20.71	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.97	20.93	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.77	19.73	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.82	19.78	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.77	19.73	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.80	19.76	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.64	20.60	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.05	21.01	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.87	20.83	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.81	19.77	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.96	19.92	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.99	19.95	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.87	19.83	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.21	20.17	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.97	19.93	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.85	19.81	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.92	18.88	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.00	18.96	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	20.97	18.93	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.92	18.88	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.92	19.88	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.02	19.98	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.06	20.02	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.69	18.65	33.00	PASS



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Band7	20MHz	16QAM	21100	50RB#25	20.85	18.81	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.78	18.74	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.70	18.66	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.73	19.69	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.26	20.22	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.03	19.99	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.81	18.77	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.89	18.85	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.95	18.91	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.90	18.86	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	21.06	19.02	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	20.83	18.79	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	20.76	18.72	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#0	20.37	18.33	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#25	20.39	18.35	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#50	20.31	18.27	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	20.24	18.20	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	20.87	18.83	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	20.88	18.84	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.05	19.01	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#0	20.19	18.15	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#25	20.27	18.23	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#50	20.28	18.24	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.11	18.07	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	20.77	18.73	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	21.01	18.97	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	20.83	18.79	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#0	20.10	18.06	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#25	20.33	18.29	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#50	20.24	18.20	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.28	18.24	33.00	PASS



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ANT31:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.81	20.50	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.76	20.45	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.84	20.53	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.85	19.54	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.81	19.50	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.81	19.50	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.85	19.54	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.46	20.15	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.60	20.29	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.67	20.36	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.52	19.21	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.52	19.21	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.50	19.19	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.51	19.20	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.59	20.28	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.67	20.36	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.72	20.41	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.69	19.38	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.65	19.34	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.61	19.30	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.69	19.38	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.20	19.89	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.62	19.31	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.26	19.95	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.86	18.55	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.77	18.46	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.80	18.49	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.84	18.53	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.91	19.60	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.66	19.35	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.49	19.18	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.52	18.21	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.57	18.26	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.53	18.22	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.56	18.25	33.00	PASS



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Band7	5MHz	16QAM	21425	1RB#0	21.75	19.44	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.88	19.57	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.77	19.46	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.56	18.25	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.69	18.38	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.63	18.32	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.66	18.35	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	20.68	18.37	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	20.64	18.33	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	20.60	18.29	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#0	19.91	17.60	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#6	19.90	17.59	33.00	PASS
Band7	5MHz	64QAM	20775	12RB#13	19.88	17.57	33.00	PASS
Band7	5MHz	64QAM	20775	25RB#0	19.87	17.56	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	20.53	18.22	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	20.62	18.31	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	20.57	18.26	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#0	19.45	17.14	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#6	19.44	17.13	33.00	PASS
Band7	5MHz	64QAM	21100	12RB#13	19.58	17.27	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	19.59	17.28	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	20.55	18.24	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	20.74	18.43	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	20.68	18.37	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#0	19.73	17.42	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#6	19.74	17.43	33.00	PASS
Band7	5MHz	64QAM	21425	12RB#13	19.62	17.31	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	19.78	17.47	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.78	20.47	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.78	20.47	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.67	20.36	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.77	19.46	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.75	19.44	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.85	19.54	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.84	19.53	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.42	20.11	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.68	20.37	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.56	20.25	33.00	PASS



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Band7	10MHz	QPSK	21100	25RB#0	21.53	19.22	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.48	19.17	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.59	19.28	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.59	19.28	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.63	20.32	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.65	20.34	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.59	20.28	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.61	19.30	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.66	19.35	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.68	19.37	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.68	19.37	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.76	19.45	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.76	19.45	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.85	19.54	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.76	18.45	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.86	18.55	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.76	18.45	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.76	18.45	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.59	19.28	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.53	19.22	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.65	19.34	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.50	18.19	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.55	18.24	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.66	18.35	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.51	18.20	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.77	19.46	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.81	19.50	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.14	19.83	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.67	18.36	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.68	18.37	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.70	18.39	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.57	18.26	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	20.62	18.31	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	20.67	18.36	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	20.75	18.44	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#0	19.78	17.47	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#12	19.66	17.35	33.00	PASS
Band7	10MHz	64QAM	20800	25RB#25	19.79	17.48	33.00	PASS



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Band7	10MHz	64QAM	20800	50RB#0	19.91	17.60	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	20.36	18.05	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	20.62	18.31	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	20.57	18.26	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#0	19.54	17.23	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#12	19.48	17.17	33.00	PASS
Band7	10MHz	64QAM	21100	25RB#25	19.52	17.21	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	19.61	17.30	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	20.59	18.28	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	20.73	18.42	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	20.52	18.21	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#0	19.61	17.30	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#12	19.60	17.29	33.00	PASS
Band7	10MHz	64QAM	21400	25RB#25	19.72	17.41	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	19.78	17.47	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.84	20.53	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.86	20.55	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.54	20.23	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#0	21.75	19.44	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#18	21.71	19.40	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#37	21.79	19.48	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.75	19.44	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.49	20.18	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.49	20.18	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.65	20.34	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#0	21.59	19.28	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#18	21.57	19.26	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#37	21.51	19.20	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.52	19.21	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.42	20.11	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.63	20.32	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.63	20.32	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#0	21.62	19.31	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#18	21.65	19.34	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#37	21.67	19.36	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.71	19.40	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.78	19.47	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.77	19.46	33.00	PASS



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Band7	15MHz	16QAM	20825	1RB#74	21.79	19.48	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#0	20.75	18.44	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#18	20.84	18.53	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#37	20.74	18.43	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.75	18.44	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.83	19.52	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.02	19.71	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.45	19.14	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#0	20.55	18.24	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#18	20.60	18.29	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#37	20.50	18.19	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.51	18.20	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.82	19.51	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.76	19.45	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.17	19.86	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#0	20.67	18.36	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#18	20.63	18.32	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#37	20.74	18.43	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.66	18.35	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	20.61	18.30	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	20.70	18.39	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	20.44	18.13	33.00	PASS
Band7	15MHz	64QAM	20825	38RB#0	19.85	17.54	33.00	PASS
Band7	15MHz	64QAM	20825	38RB#18	19.72	17.41	33.00	PASS
Band7	15MHz	64QAM	20825	38RB#37	19.88	17.57	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	19.65	17.34	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	20.53	18.22	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	20.59	18.28	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	20.75	18.44	33.00	PASS
Band7	15MHz	64QAM	21100	38RB#0	19.59	17.28	33.00	PASS
Band7	15MHz	64QAM	21100	38RB#18	19.63	17.32	33.00	PASS
Band7	15MHz	64QAM	21100	38RB#37	19.50	17.19	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	19.48	17.17	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	20.36	18.05	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	20.58	18.27	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	20.69	18.38	33.00	PASS
Band7	15MHz	64QAM	21375	38RB#0	19.69	17.38	33.00	PASS
Band7	15MHz	64QAM	21375	38RB#18	19.58	17.27	33.00	PASS



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Band7	15MHz	64QAM	21375	38RB#37	19.62	17.31	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	19.79	17.48	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.73	20.42	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.74	20.43	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.60	20.29	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.72	19.41	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.76	19.45	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.85	19.54	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.73	19.42	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.37	20.06	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.50	20.19	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.48	20.17	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.54	19.23	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.59	19.28	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.51	19.20	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.53	19.22	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.36	20.05	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.61	20.30	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.71	20.40	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.67	19.36	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.64	19.33	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.65	19.34	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.64	19.33	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.08	19.77	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.85	19.54	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.79	19.48	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.74	18.43	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	20.75	18.44	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	20.77	18.46	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.75	18.44	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.46	19.15	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.41	19.10	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.99	19.68	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.51	18.20	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.57	18.26	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.50	18.19	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.58	18.27	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.37	19.06	33.00	PASS



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Band7	20MHz	16QAM	21350	1RB#49	21.55	19.24	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.88	19.57	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.72	18.41	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.69	18.38	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.65	18.34	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.62	18.31	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	20.63	18.32	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	20.65	18.34	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	20.57	18.26	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#0	19.81	17.50	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#25	19.82	17.51	33.00	PASS
Band7	20MHz	64QAM	20850	50RB#50	19.91	17.60	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	19.77	17.46	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	20.37	18.06	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	20.57	18.26	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	20.39	18.08	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#0	19.54	17.23	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#25	19.55	17.24	33.00	PASS
Band7	20MHz	64QAM	21100	50RB#50	19.59	17.28	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	19.48	17.17	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	20.43	18.12	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	20.71	18.40	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	20.72	18.41	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#0	19.76	17.45	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#25	19.65	17.34	33.00	PASS
Band7	20MHz	64QAM	21350	50RB#50	19.68	17.37	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	19.56	17.25	33.00	PASS

Remark:

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

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

The conducted Power is measured by Base Station Simulator



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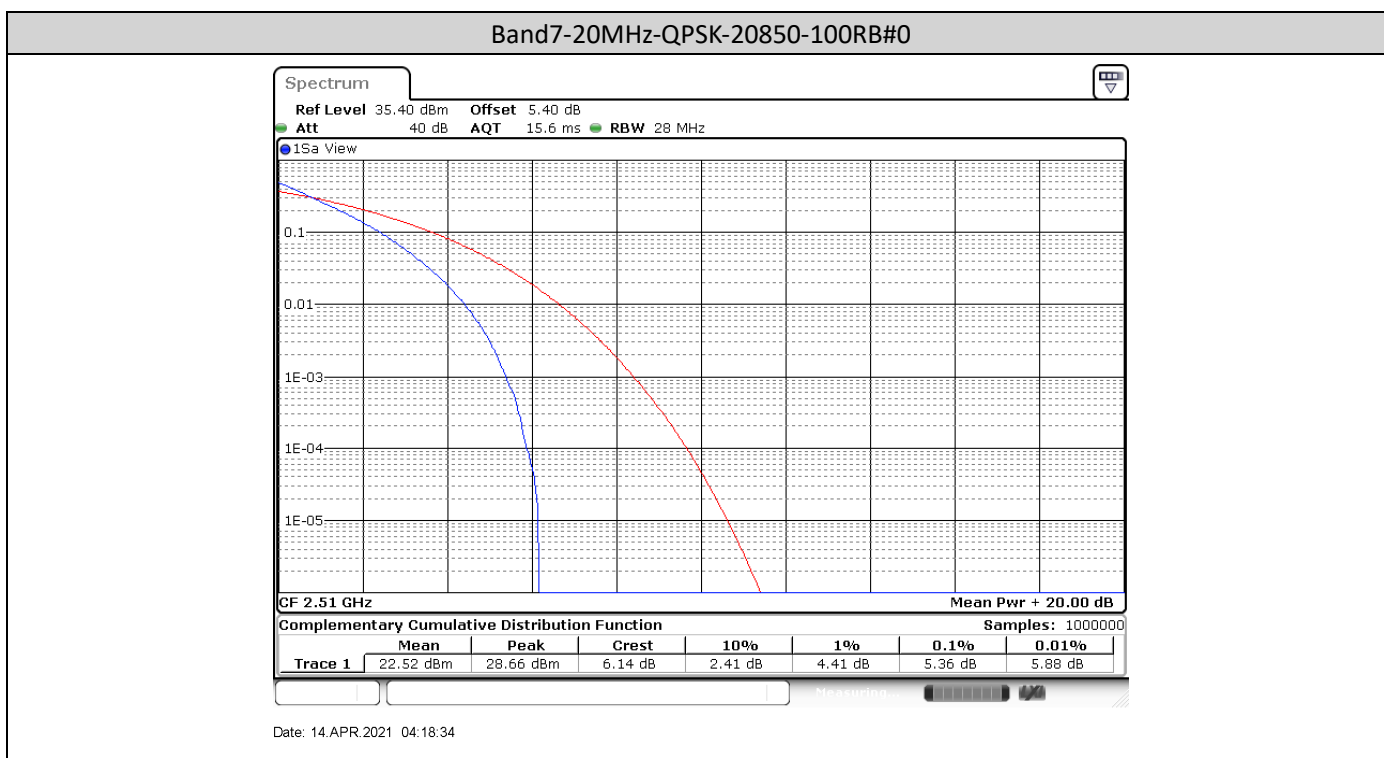


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.36	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.42	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.64	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.12	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.12	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	5.74	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.74	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.23	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.39	13	PASS

2.2. Test Plots

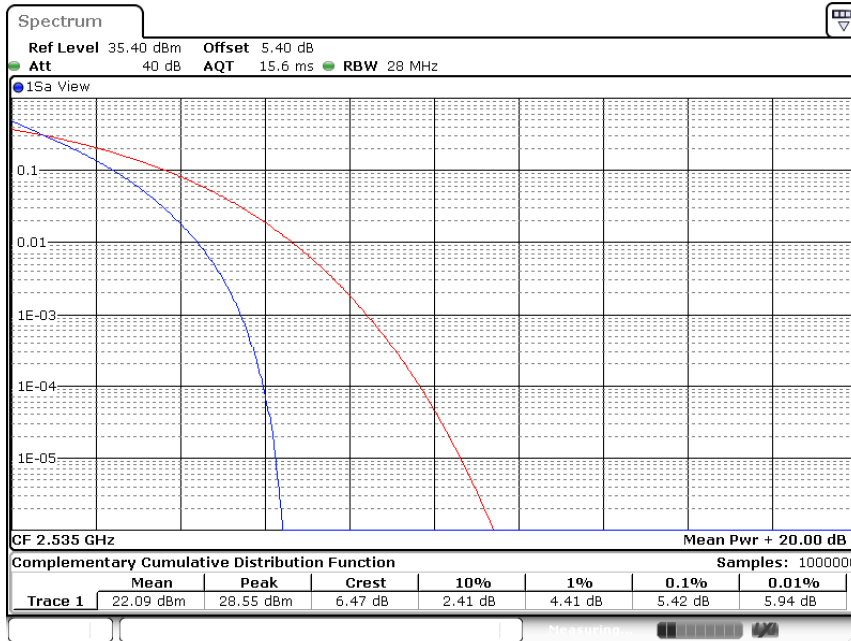


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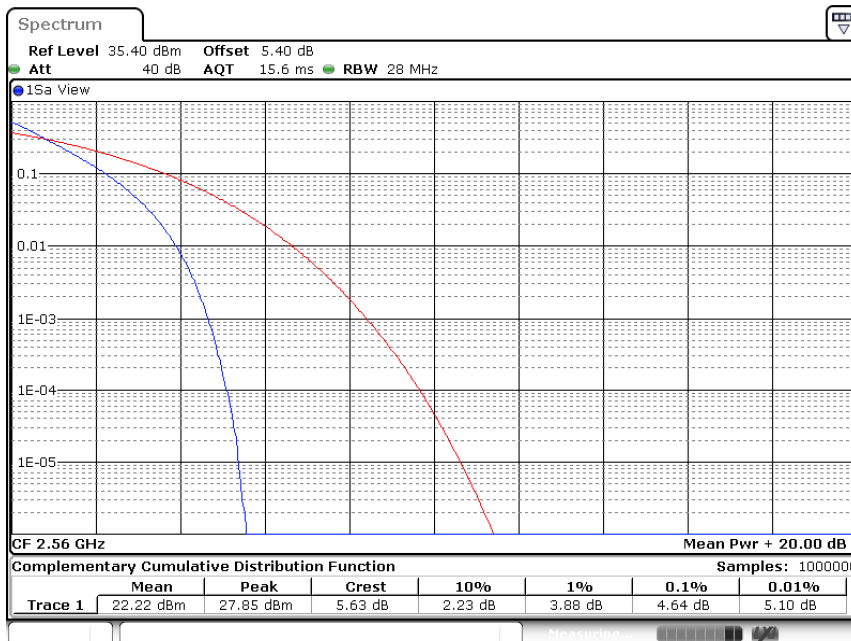
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Band7-20MHz-QPSK-21100-100RB#0



Date: 14.APR.2021 04:18:58

Band7-20MHz-QPSK-21350-100RB#0



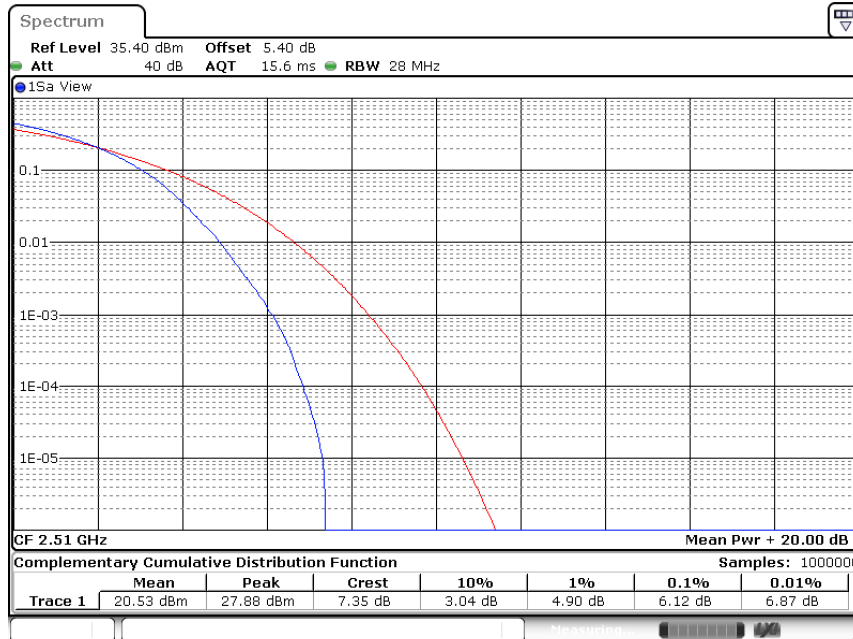
Date: 14.APR.2021 04:19:20



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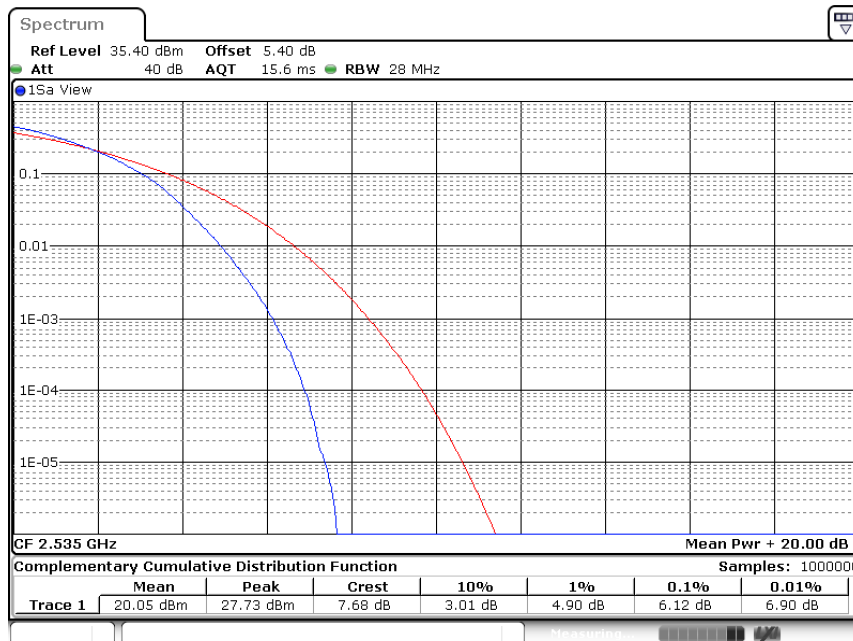
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Band7-20MHz-64QAM-20850-100RB#0



Date: 14.APR.2021 04:54:40

Band7-20MHz-64QAM-21100-100RB#0



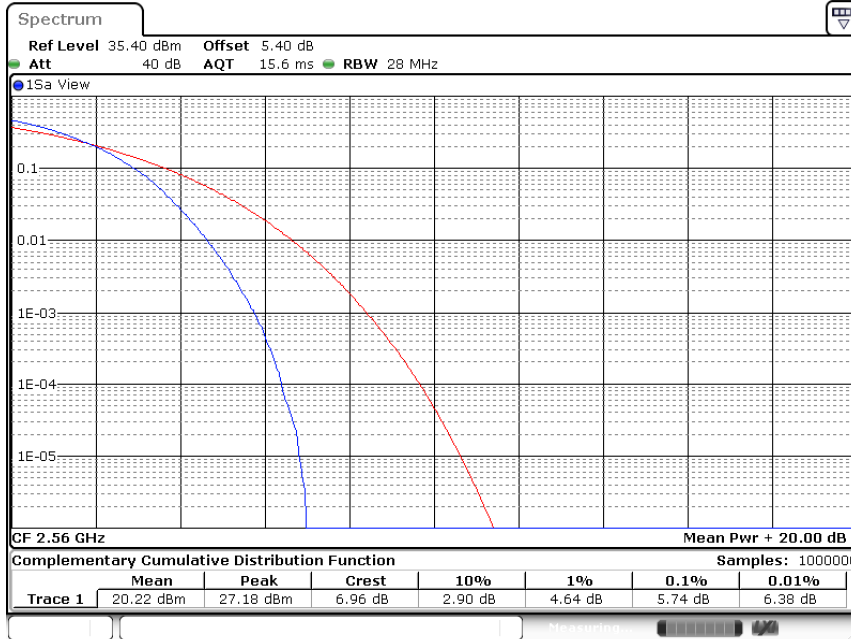
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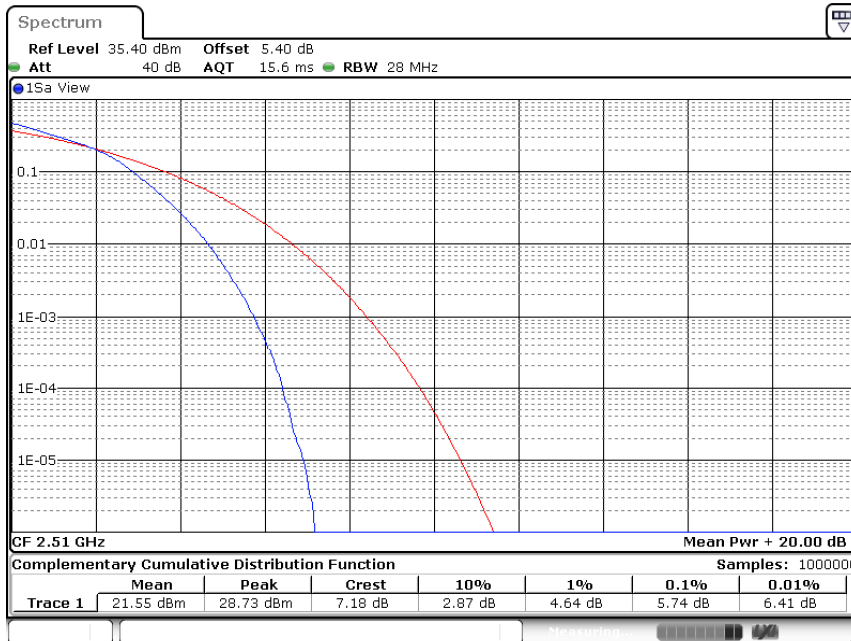
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Band7-20MHz-64QAM-21350-100RB#0



Date: 14.APR.2021 04:55:04

Band7-20MHz-16QAM-20850-100RB#0



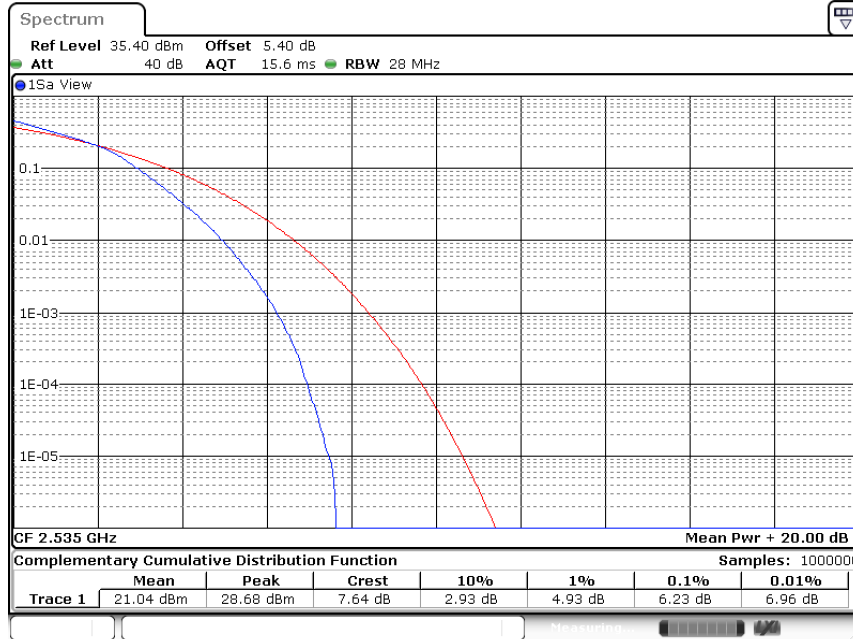
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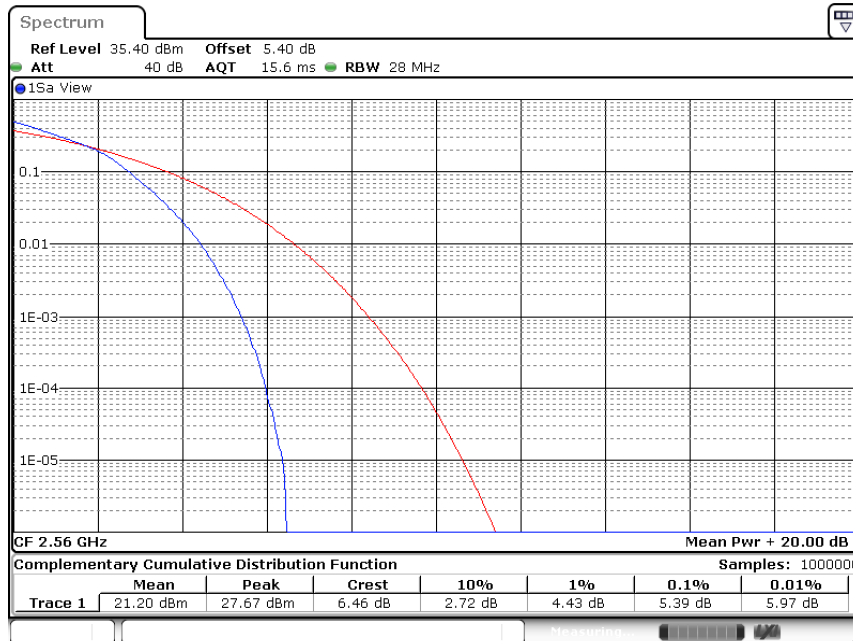
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Band7-20MHz-16QAM-21100-100RB#0



Date: 14.APR.2021 04:19:09

Band7-20MHz-16QAM-21350-100RB#0



Date: 14.APR.2021 04:19:32

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



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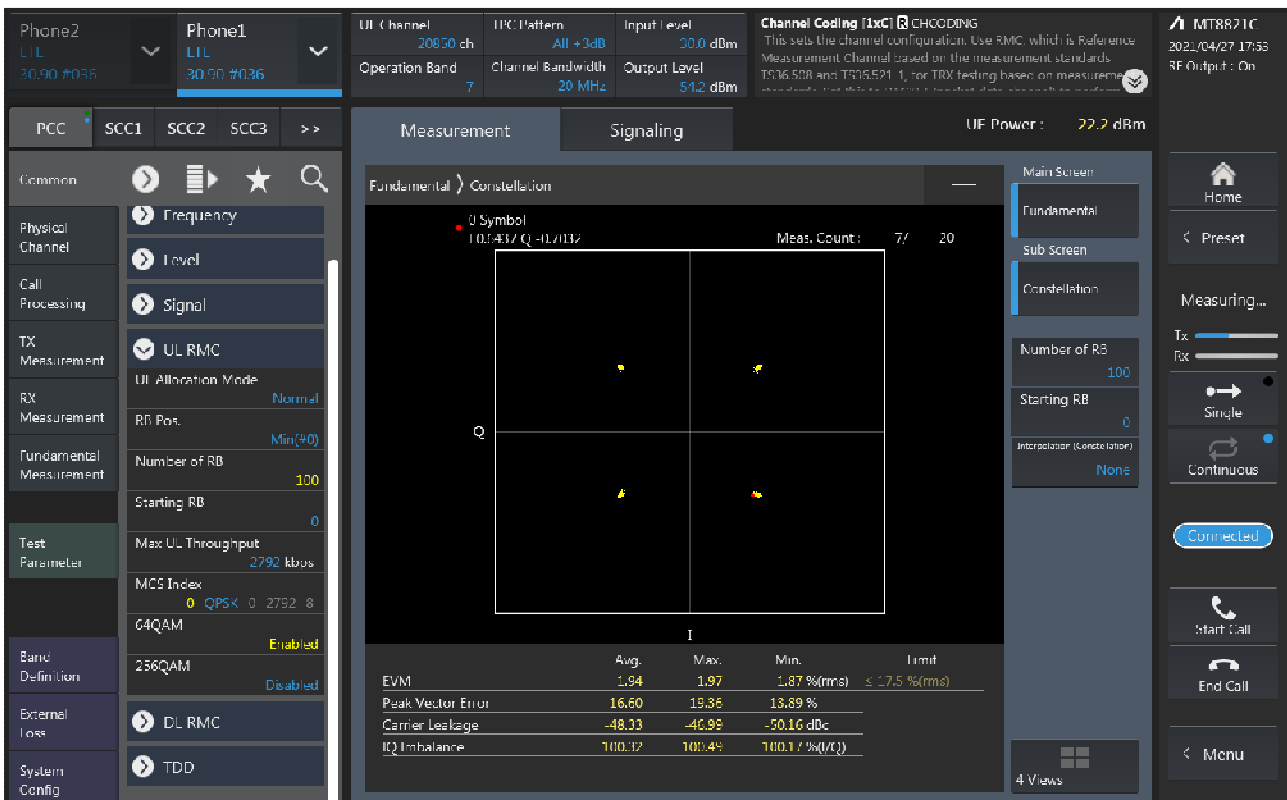
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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

3. Modulation Characteristics

3.1. Test Band = LTE Band 7

3.1.1. Test Mode = LTE /TM1 20MHz

3.1.1.1. Test Channel = MCH

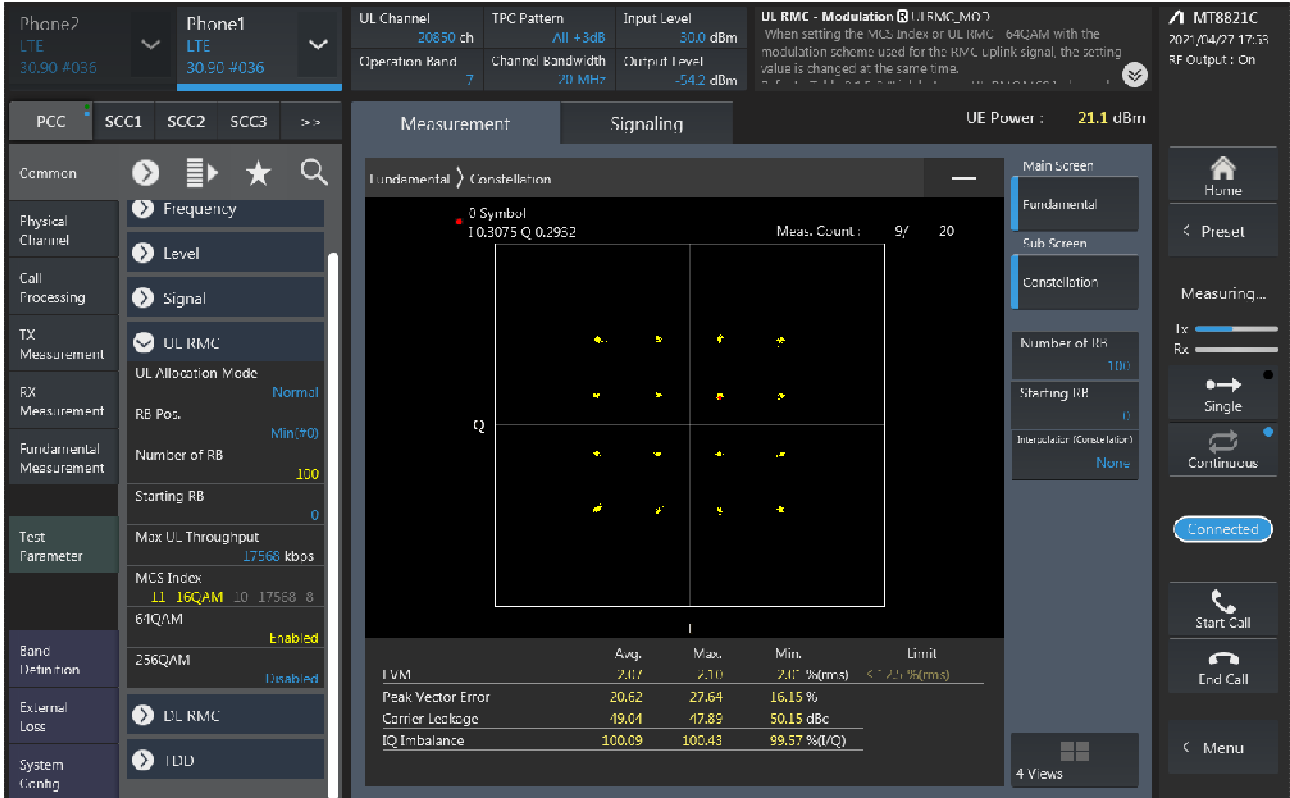


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3.1.2. Test Mode = LTE /TM2 20MHz

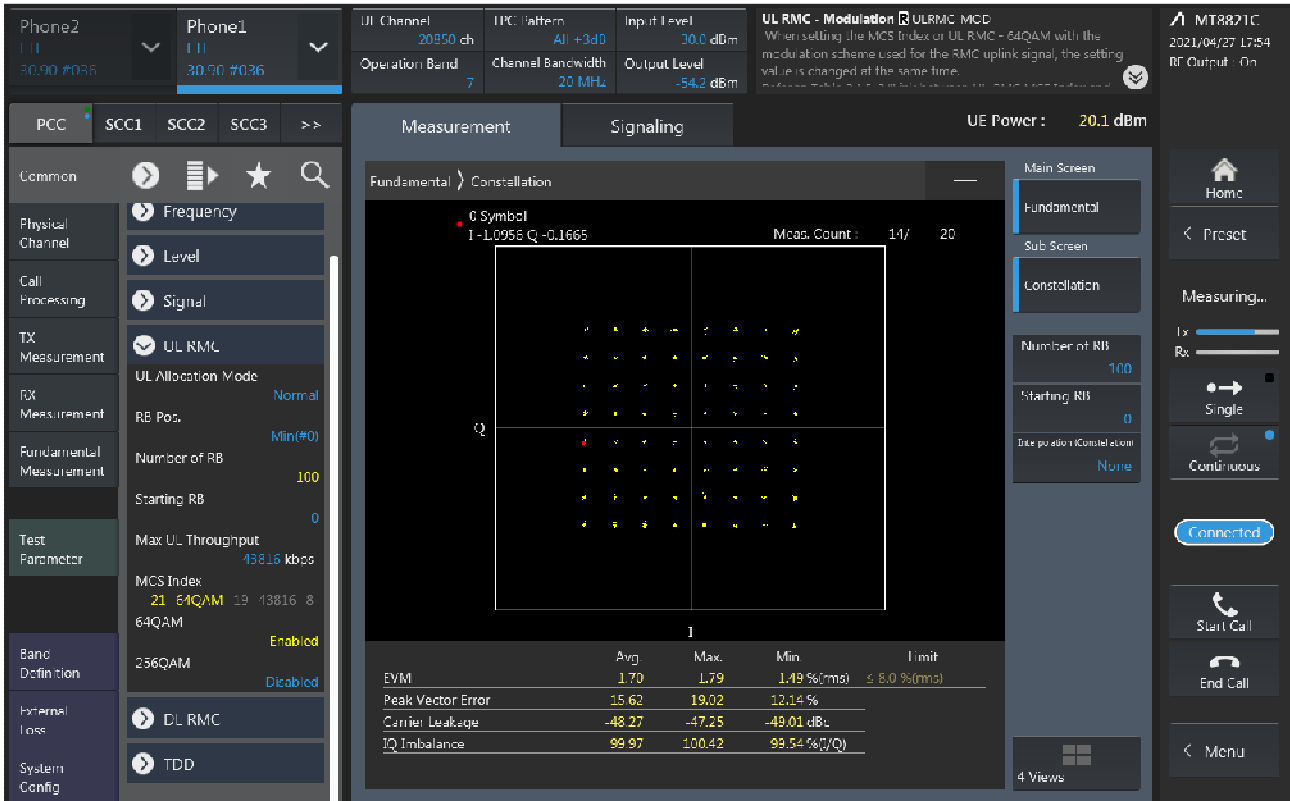
3.1.2.1. Test Channel = MCH



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3.1.3. Test Mode = LTE /TM3 20MHz

3.1.3.1. Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.466	4.880	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.466	4.860	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.466	4.850	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.476	4.850	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.476	4.860	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.476	4.850	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.476	4.850	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.476	4.880	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.476	4.900	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.931	9.660	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.911	9.640	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.931	9.640	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.931	9.620	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.931	9.600	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.911	9.580	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.931	9.700	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.911	9.680	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.911	9.700	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.457	14.730	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.457	14.850	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.487	14.820	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.457	14.820	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.427	14.820	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.457	14.820	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.457	14.820	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.487	14.790	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.487	14.760	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.902	19.440	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.902	19.400	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.942	19.600	PASS



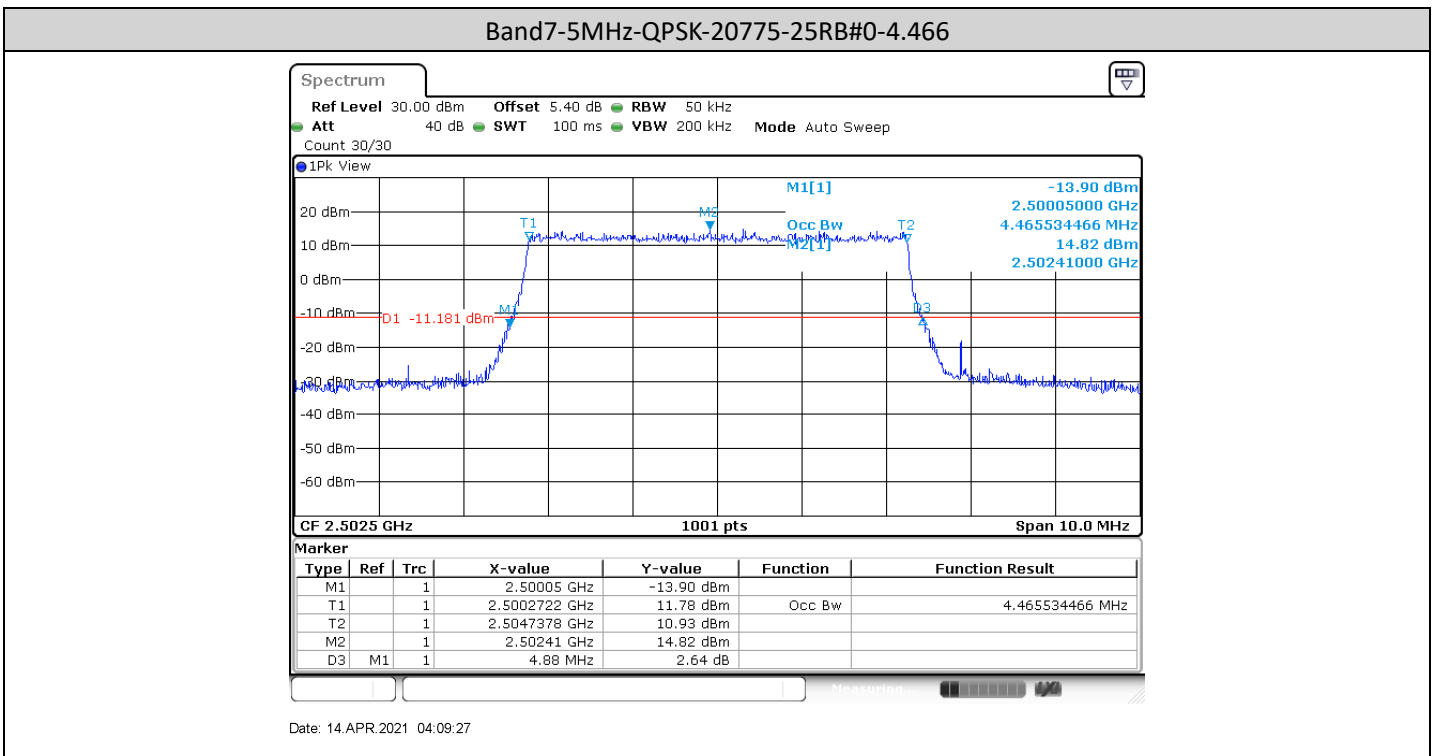
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Band7	20MHz	64QAM	20850	100RB#0	17.862	19.320	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.902	19.280	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.902	19.320	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.942	19.360	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.902	19.360	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.902	19.360	PASS

4.2. Test Plots



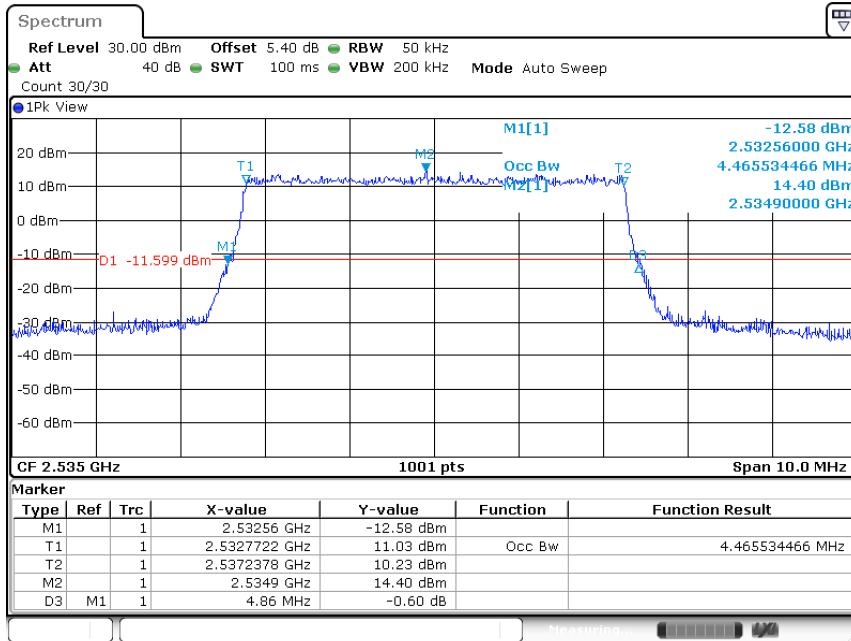
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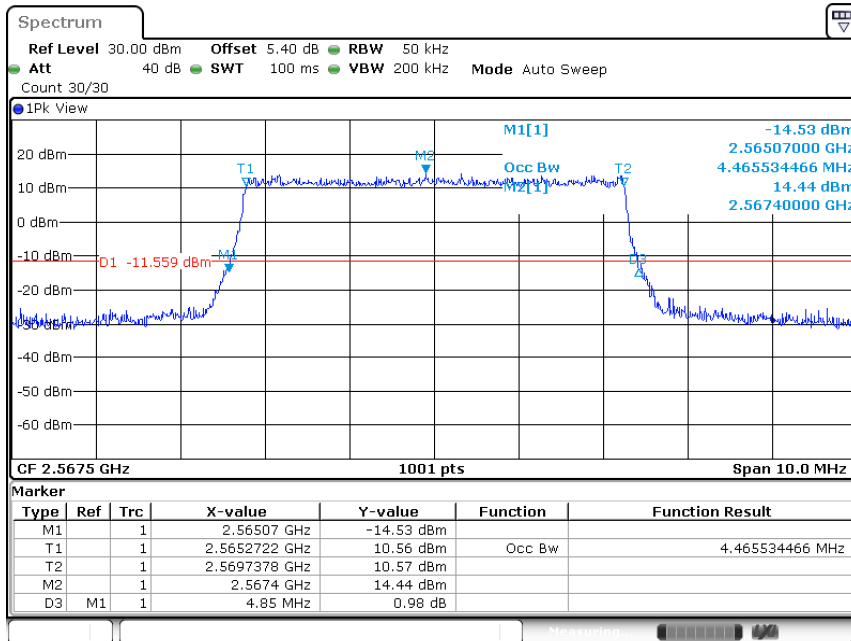


Band7-5MHz-QPSK-21100-25RB#0-4.466



Date: 14.APR.2021 04:09:53

Band7-5MHz-QPSK-21425-25RB#0-4.466



Date: 14.APR.2021 04:10:19

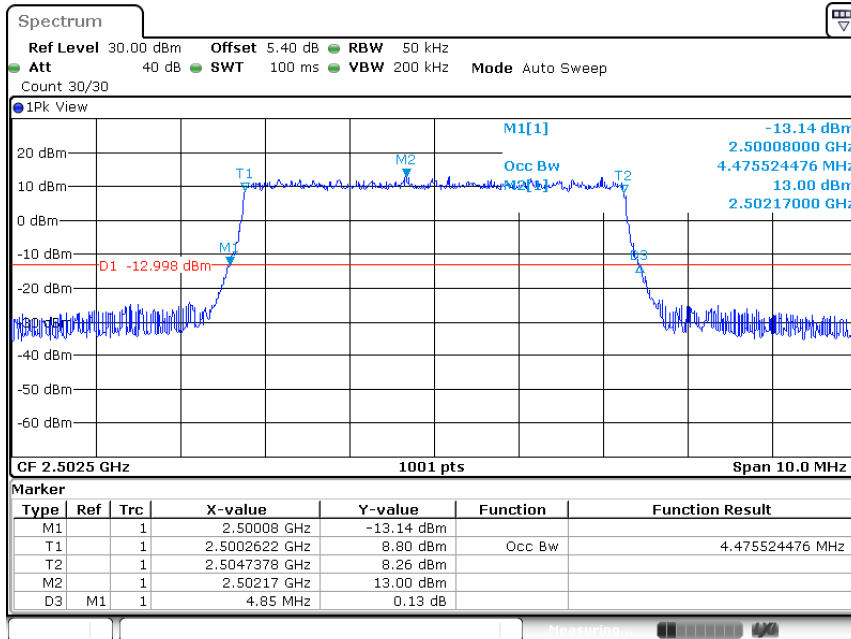


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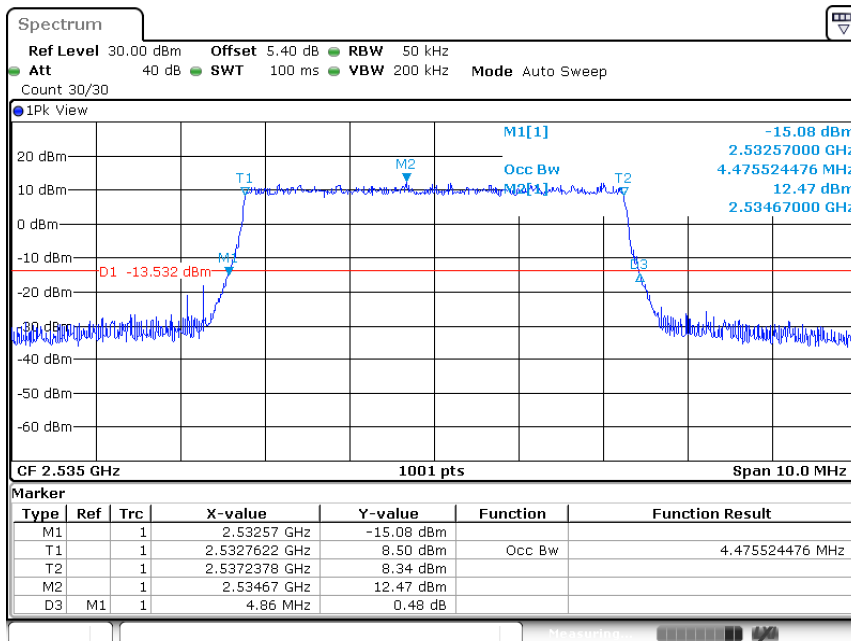


Band7-5MHz-64QAM-20775-25RB#0-4.476



Date: 14.APR.2021 04:49:53

Band7-5MHz-64QAM-21100-25RB#0-4.476

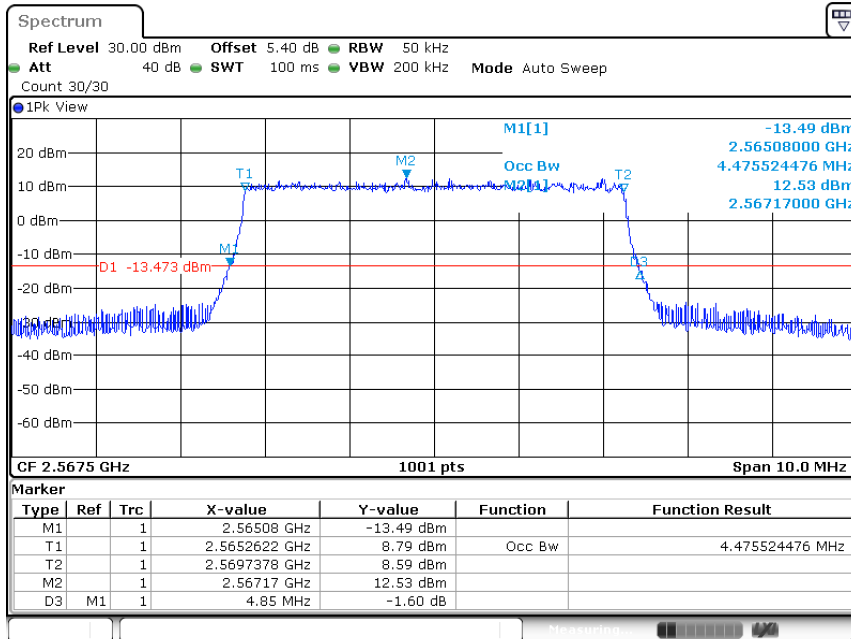


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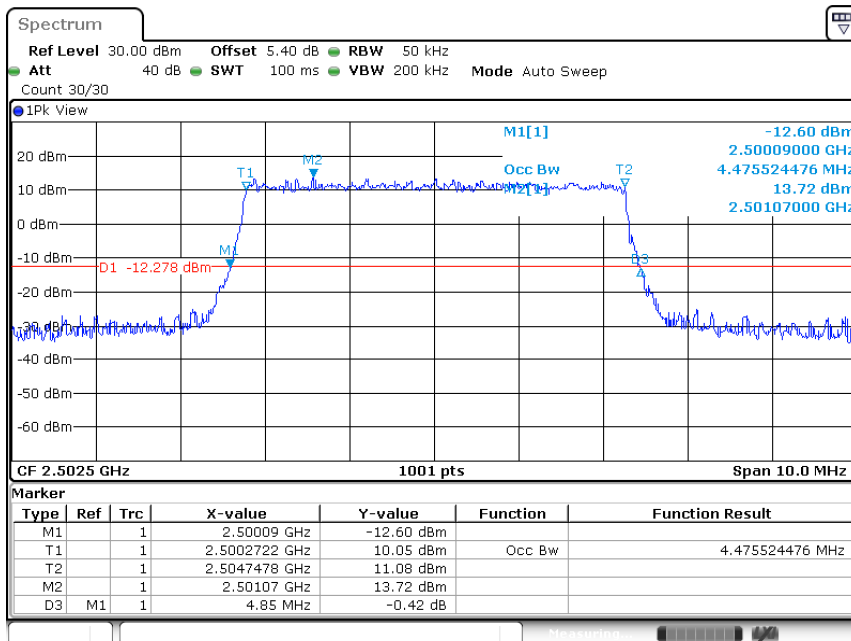
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Band7-5MHz-64QAM-21425-25RB#0-4.476



Date: 14.APR.2021 04:50:19

Band7-5MHz-16QAM-20775-25RB#0-4.476



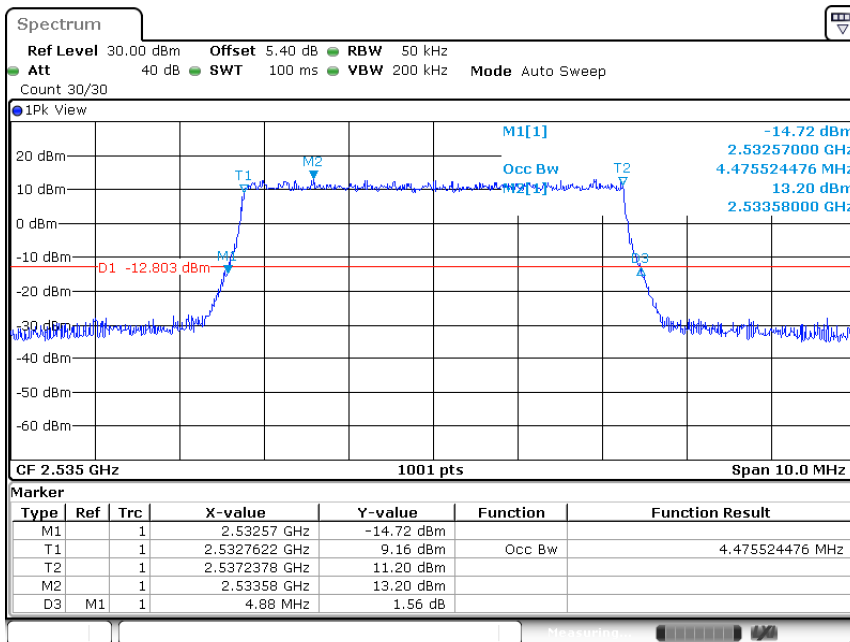
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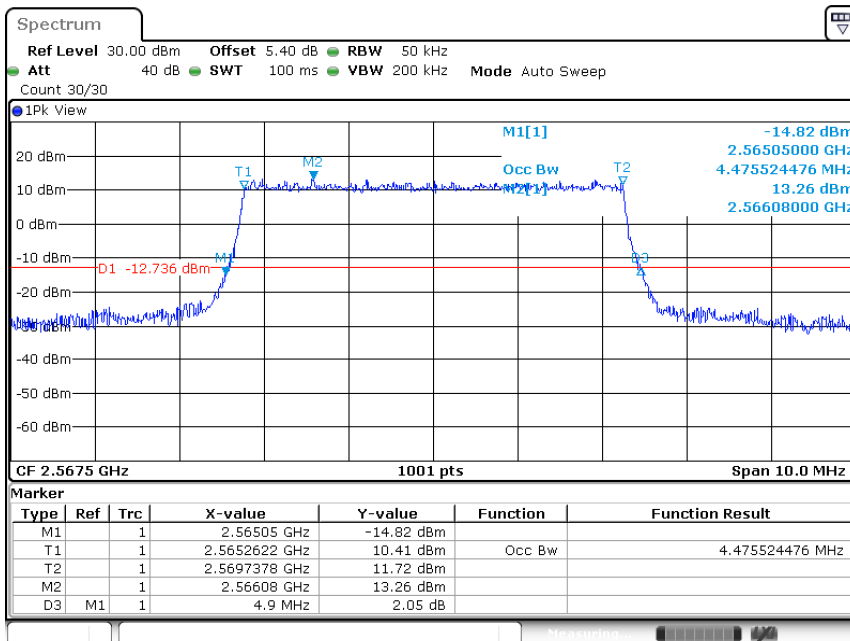
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Band7-5MHz-16QAM-21100-25RB#0-4.476

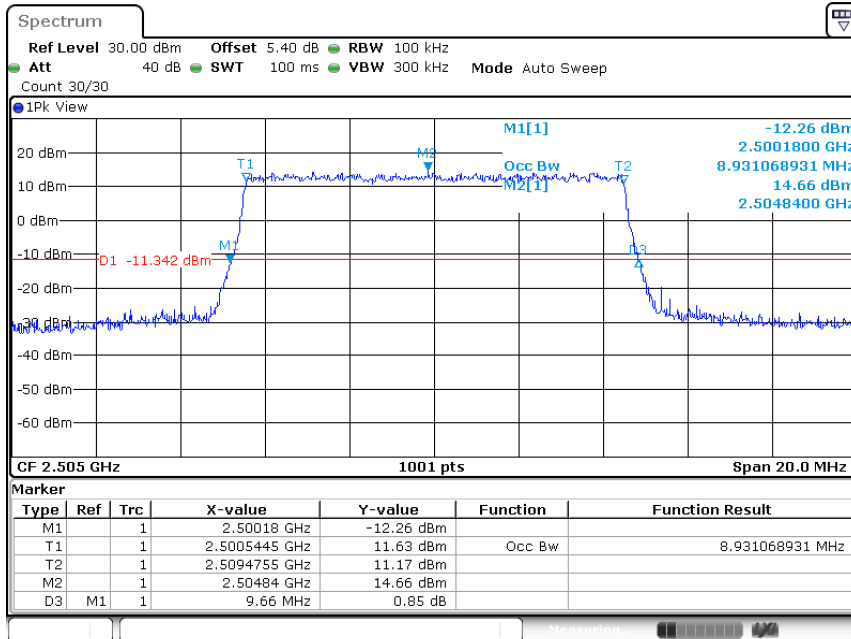


Band7-5MHz-16QAM-21425-25RB#0-4.476



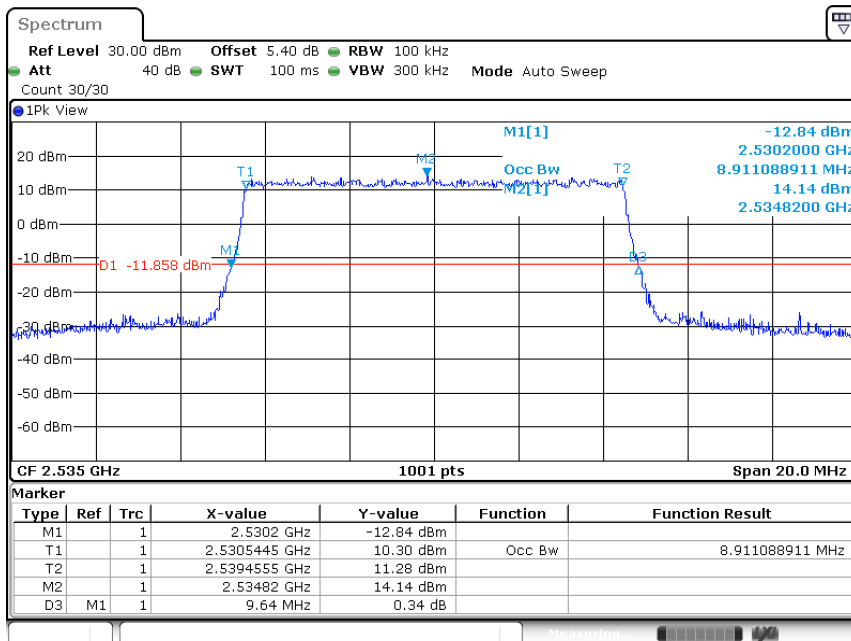
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Band7-10MHz-QPSK-20800-50RB#0-8.931



Date: 14.APR.2021 04:10:50

Band7-10MHz-QPSK-21100-50RB#0-8.911

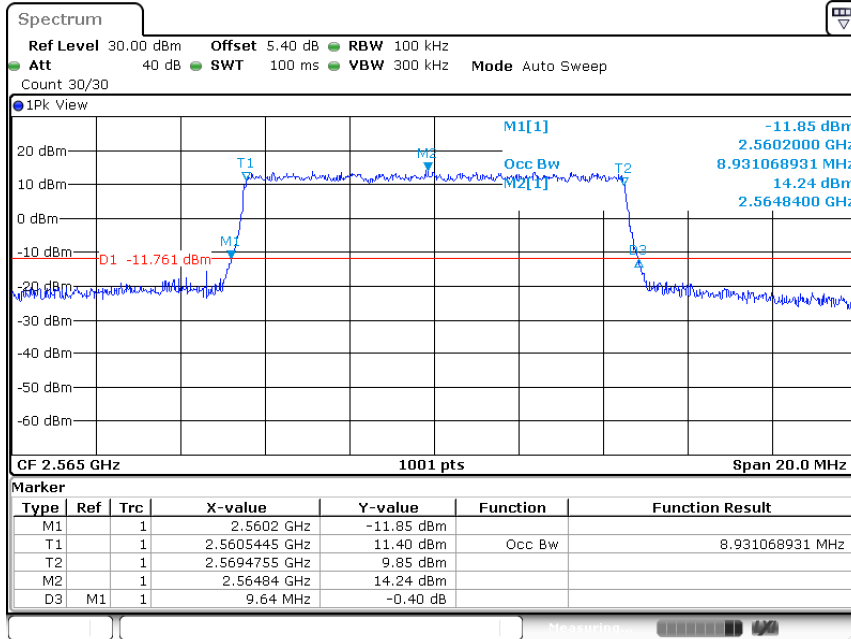


Date: 14.APR.2021 04:11:16



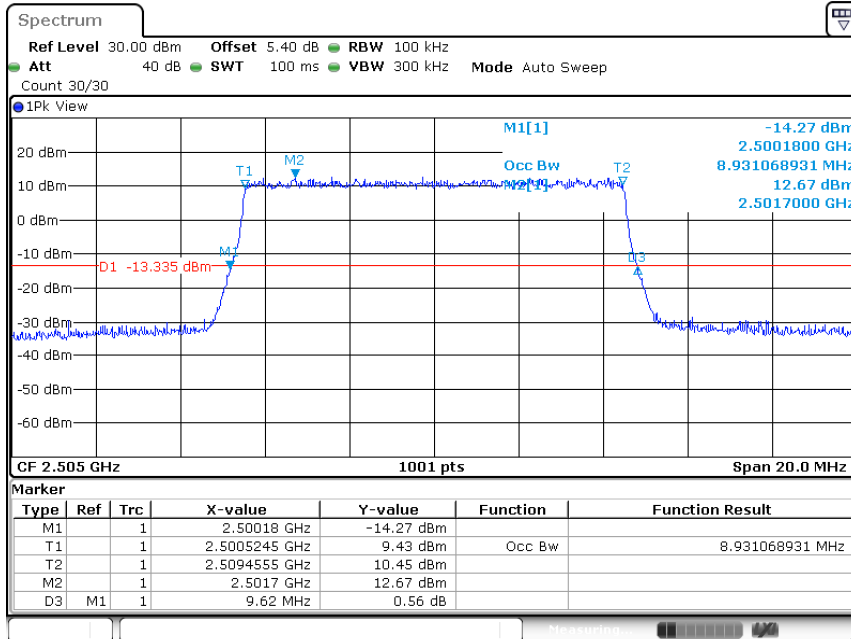
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Band7-10MHz-QPSK-21400-50RB#0-8.931



Date: 14.APR.2021 04:11:42

Band7-10MHz-64QAM-20800-50RB#0-8.931

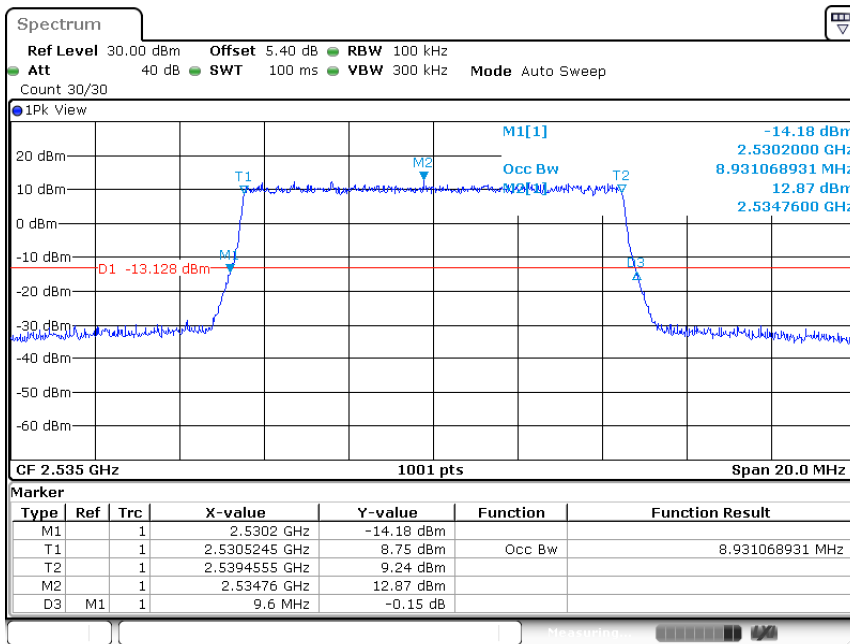


Date: 14.APR.2021 04:50:37



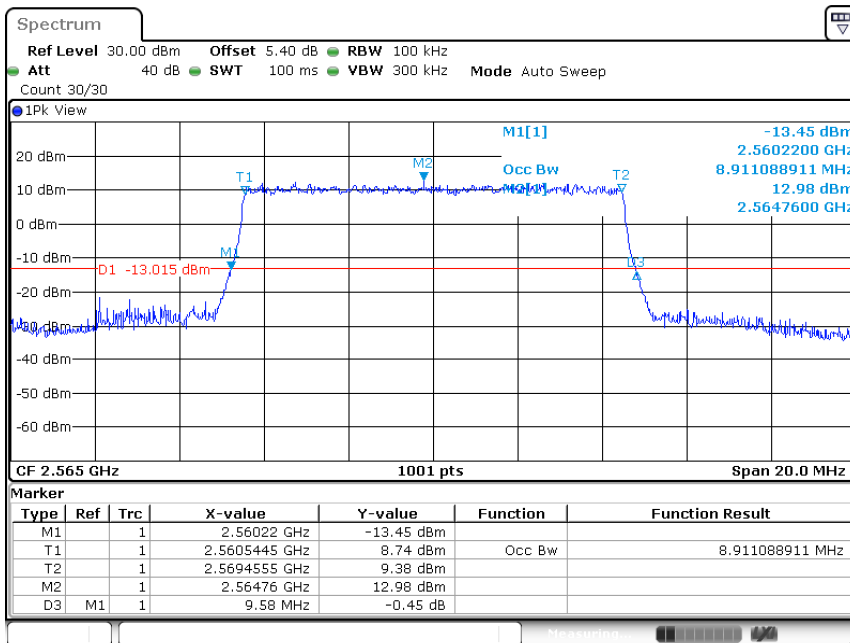
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Band7-10MHz-64QAM-21100-50RB#0-8.931



Date: 14.APR.2021 04:50:50

Band7-10MHz-64QAM-21400-50RB#0-8.911



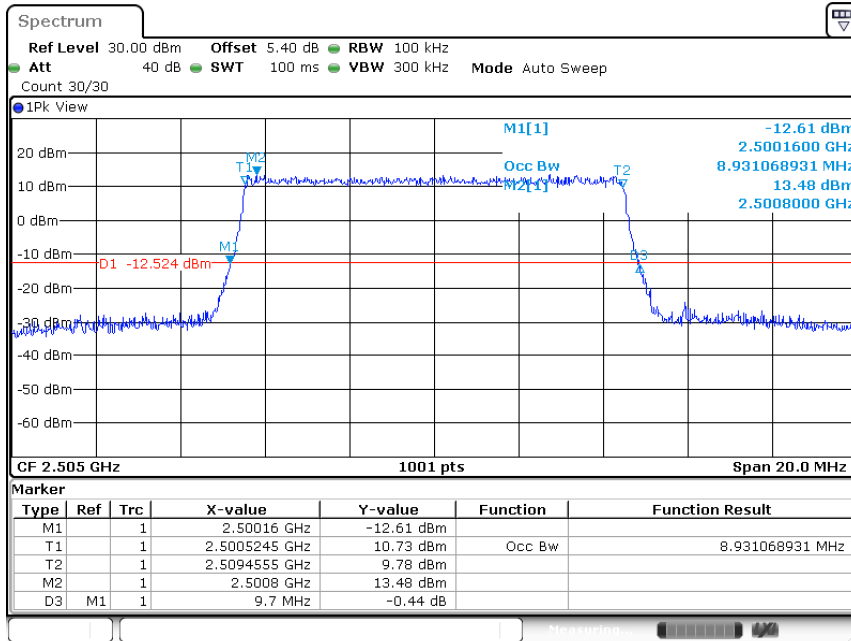
Date: 14.APR.2021 04:51:03



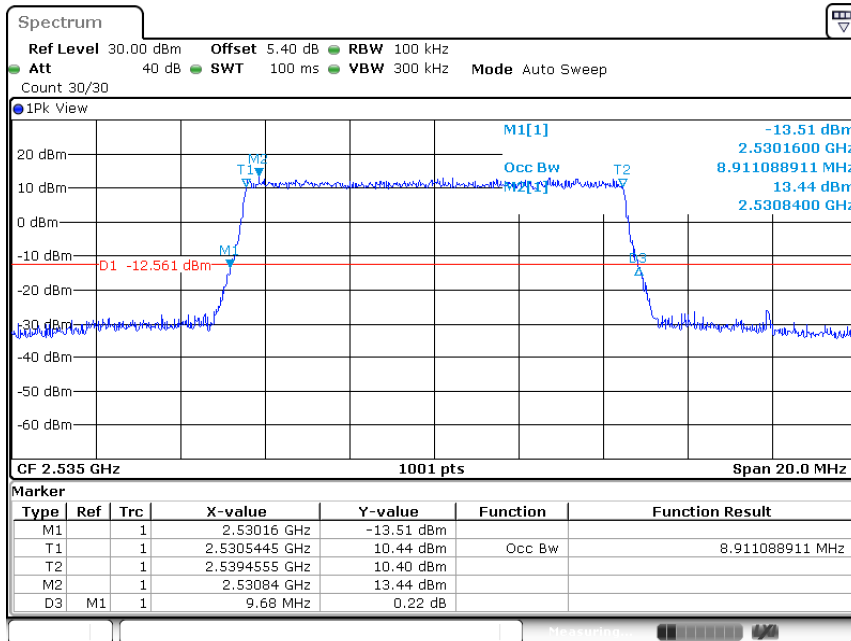
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Band7-10MHz-16QAM-20800-50RB#0-8.931



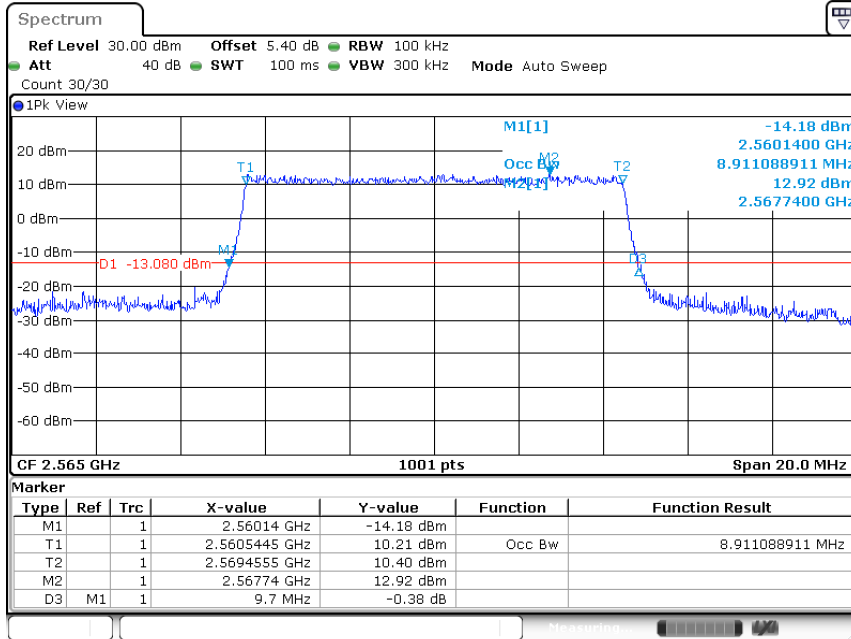
Band7-10MHz-16QAM-21100-50RB#0-8.911



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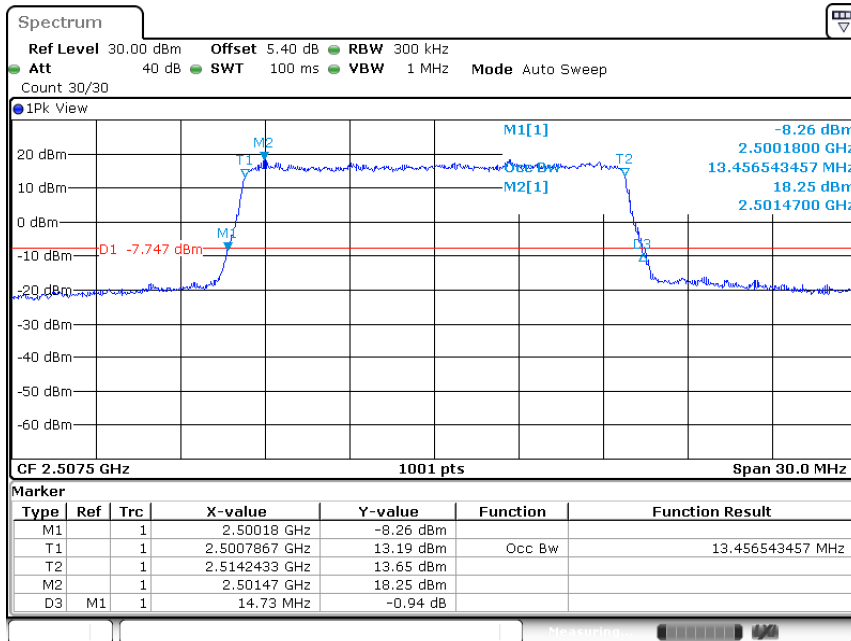
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Band7-10MHz-16QAM-21400-50RB#0-8.911



Date: 14.APR.2021 04:11:54

Band7-15MHz-QPSK-20825-75RB#0-13.457



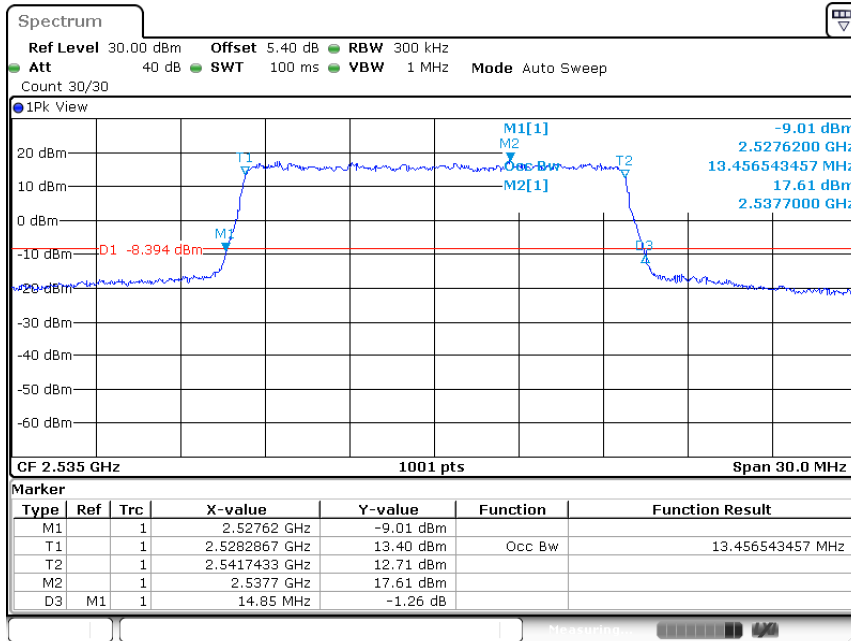
Date: 14.APR.2021 04:12:12



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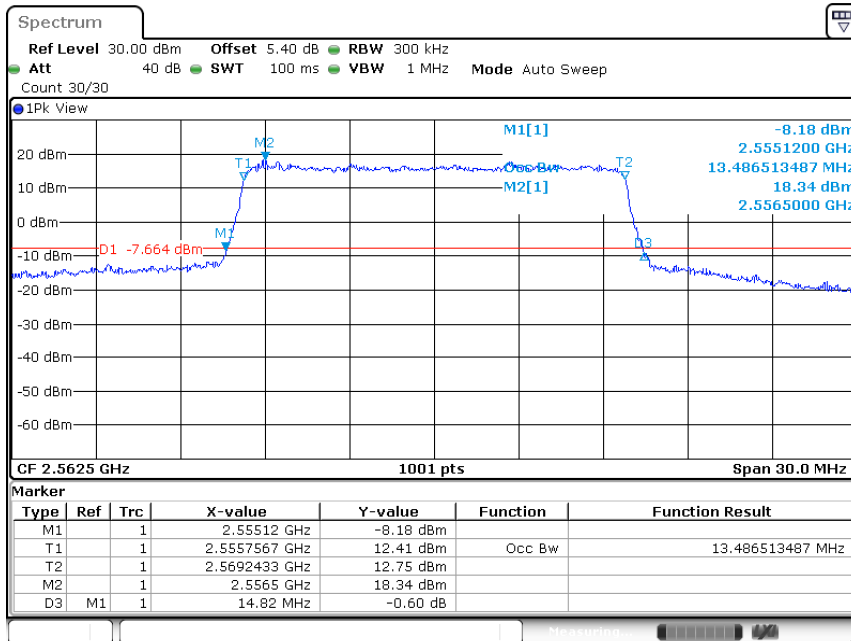
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Band7-15MHz-QPSK-21100-75RB#0-13.457



Date: 14.APR.2021 04:12:38

Band7-15MHz-QPSK-21375-75RB#0-13.487



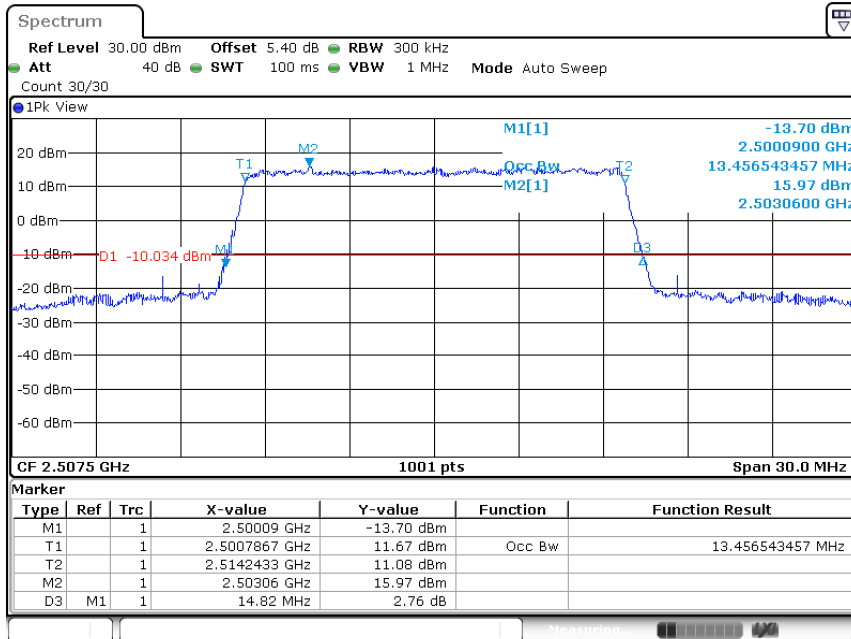
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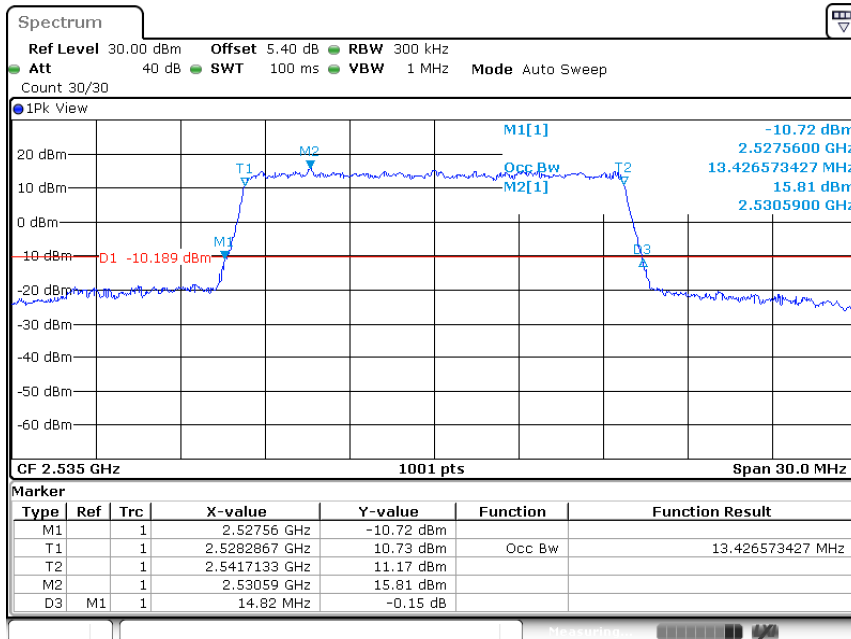


Band7-15MHz-64QAM-20825-75RB#0-13.457



Date: 14.APR.2021 04:51:21

Band7-15MHz-64QAM-21100-75RB#0-13.427

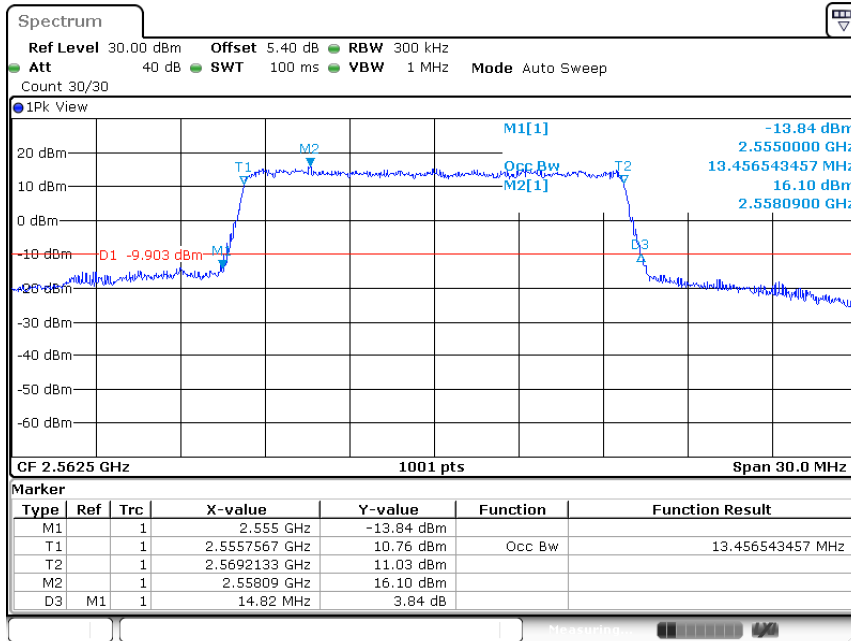


Date: 14.APR.2021 04:51:35



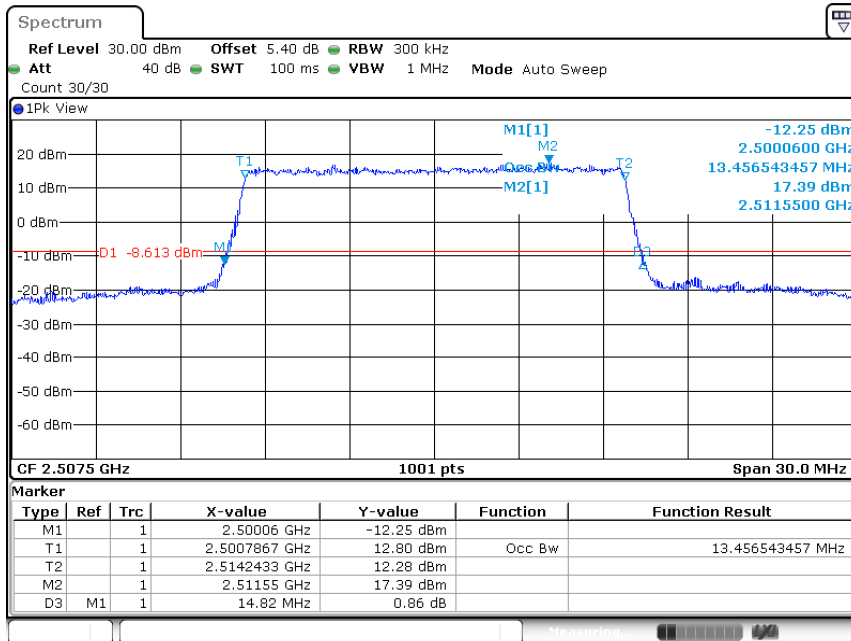
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Band7-15MHz-64QAM-21375-75RB#0-13.457



Date: 14.APR.2021 04:51:48

Band7-15MHz-16QAM-20825-75RB#0-13.457

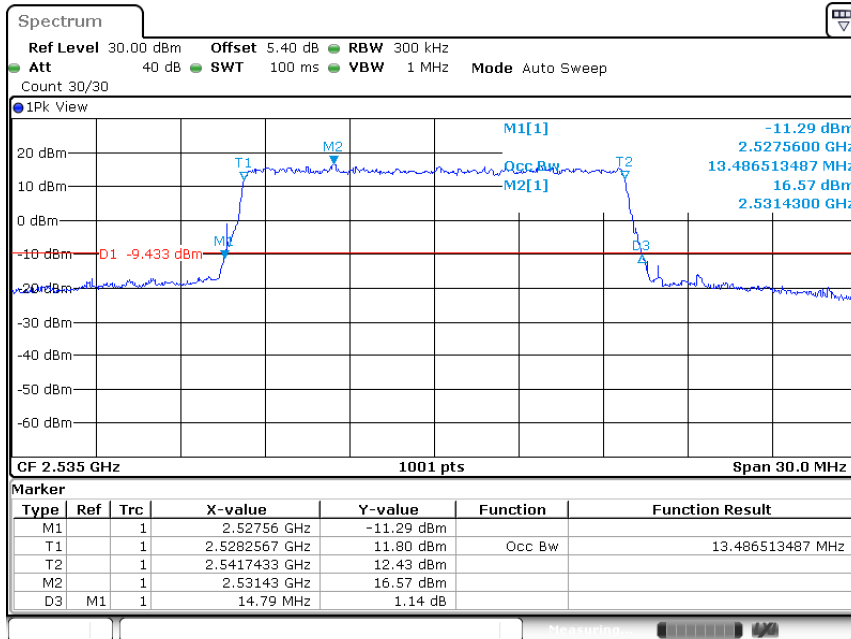


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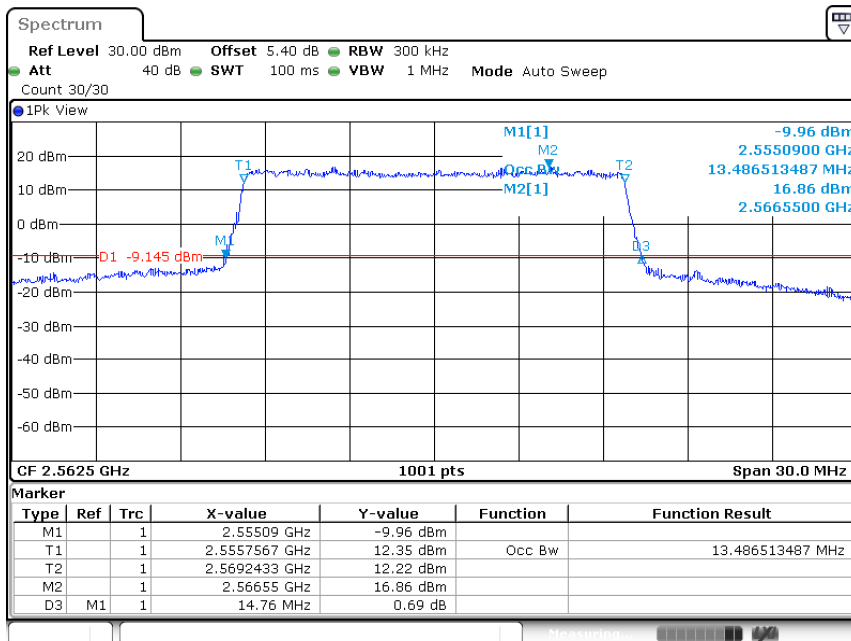
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Band7-15MHz-16QAM-21100-75RB#0-13.487



Date: 14.APR.2021 04:12:51

Band7-15MHz-16QAM-21375-75RB#0-13.487



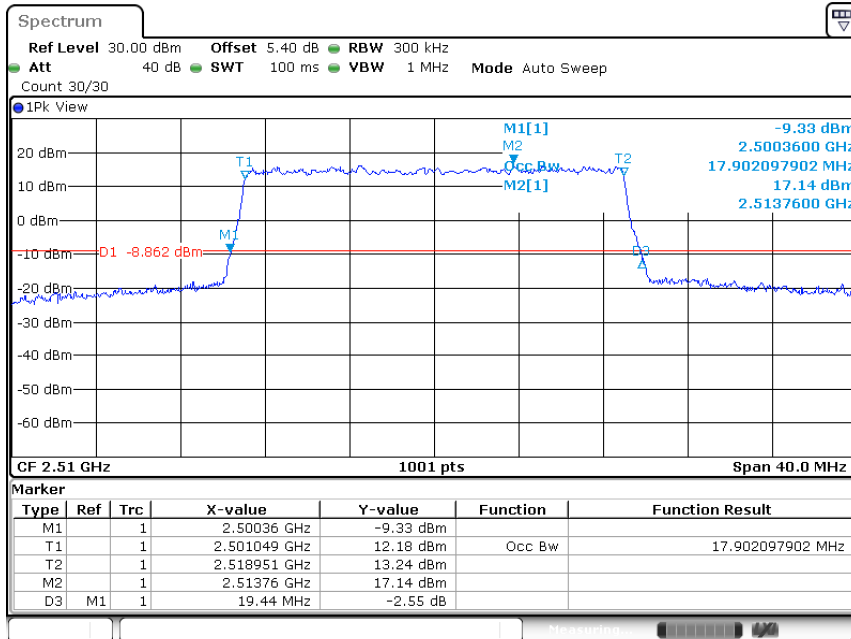
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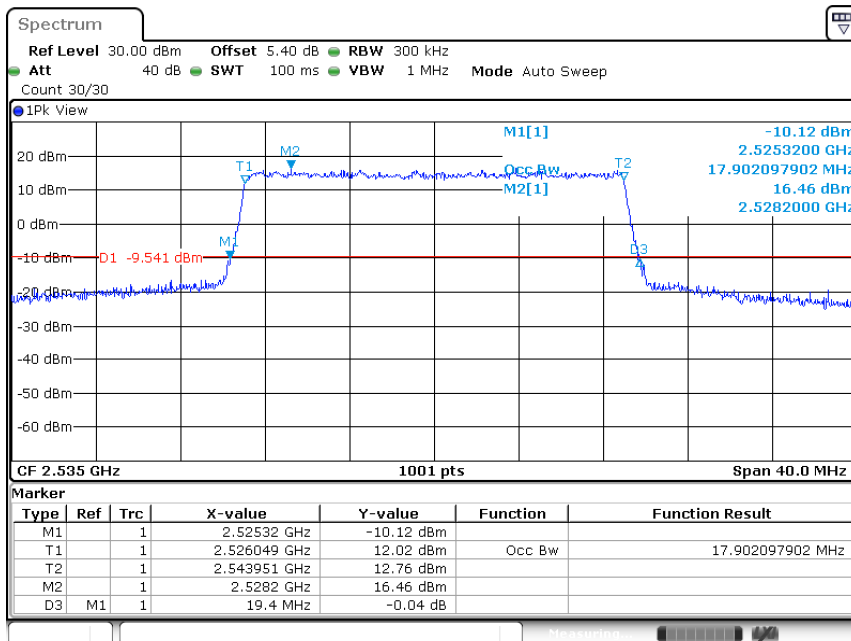


Band7-20MHz-QPSK-20850-100RB#0-17.902



Date: 14.APR.2021 04:13:35

Band7-20MHz-QPSK-21100-100RB#0-17.902

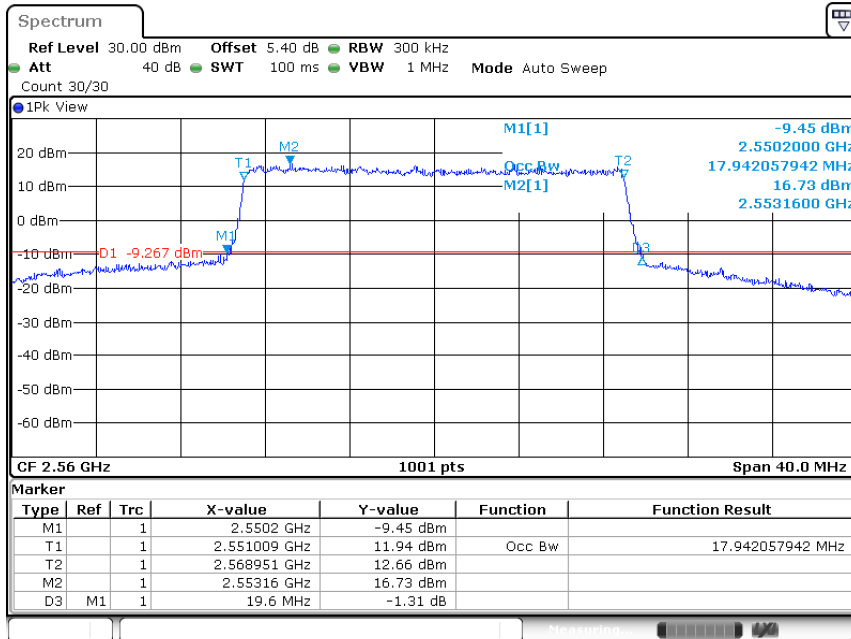


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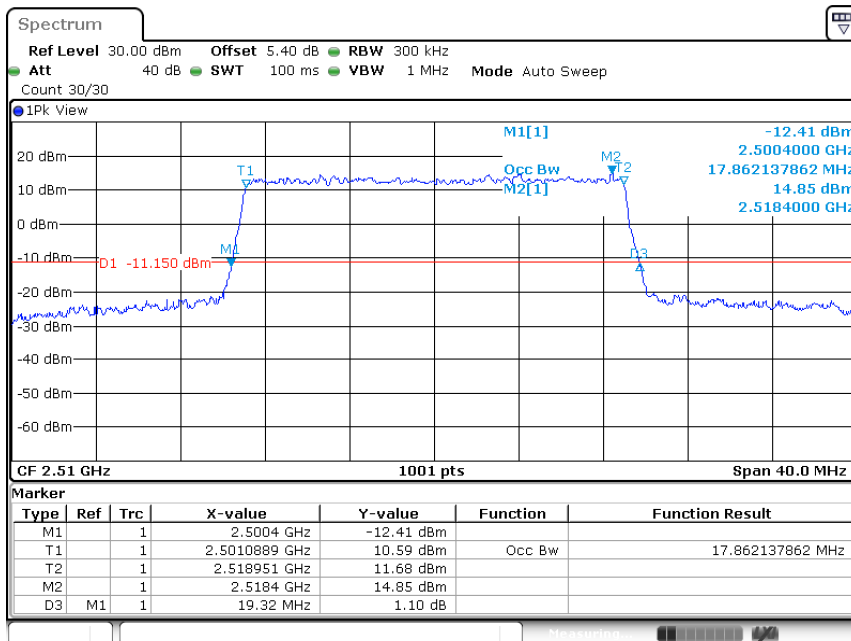
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Band7-20MHz-QPSK-21350-100RB#0-17.942



Date: 14.APR.2021 04:14:27

Band7-20MHz-64QAM-20850-100RB#0-17.862

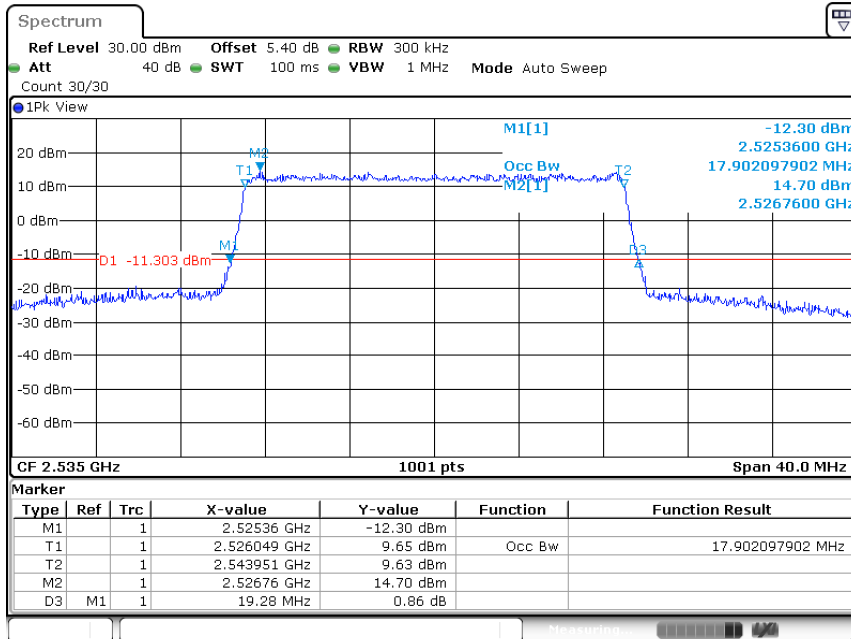


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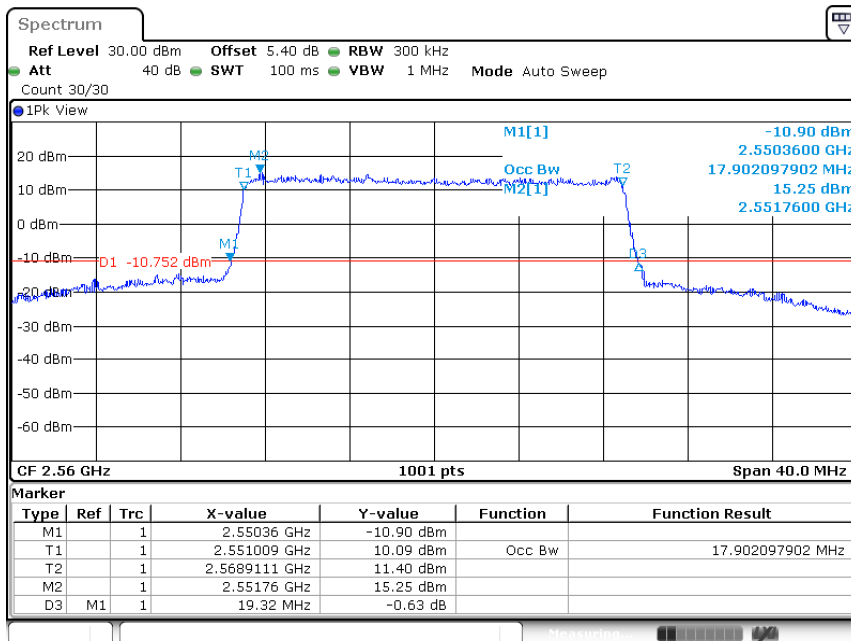
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Band7-20MHz-64QAM-21100-100RB#0-17.902



Date: 14.APR.2021 04:52:19

Band7-20MHz-64QAM-21350-100RB#0-17.902



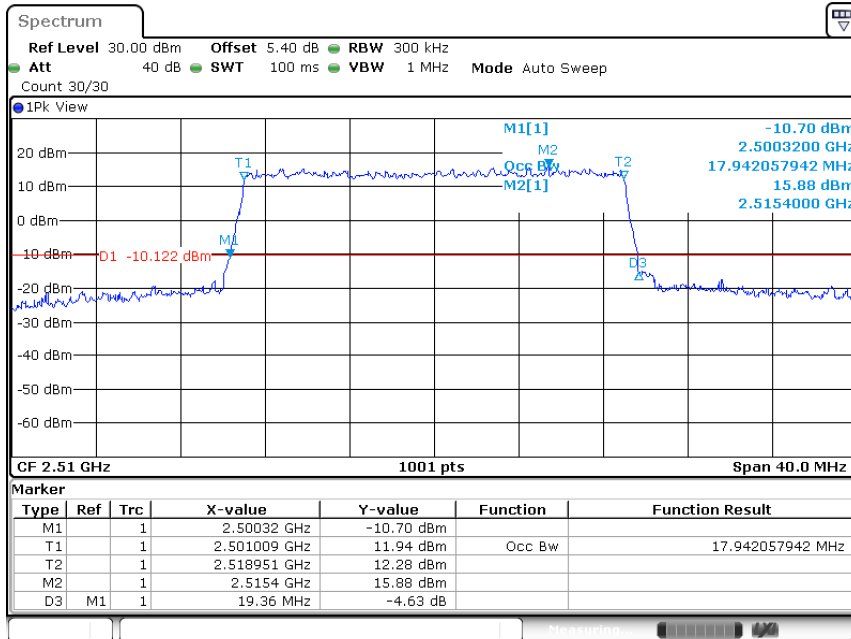
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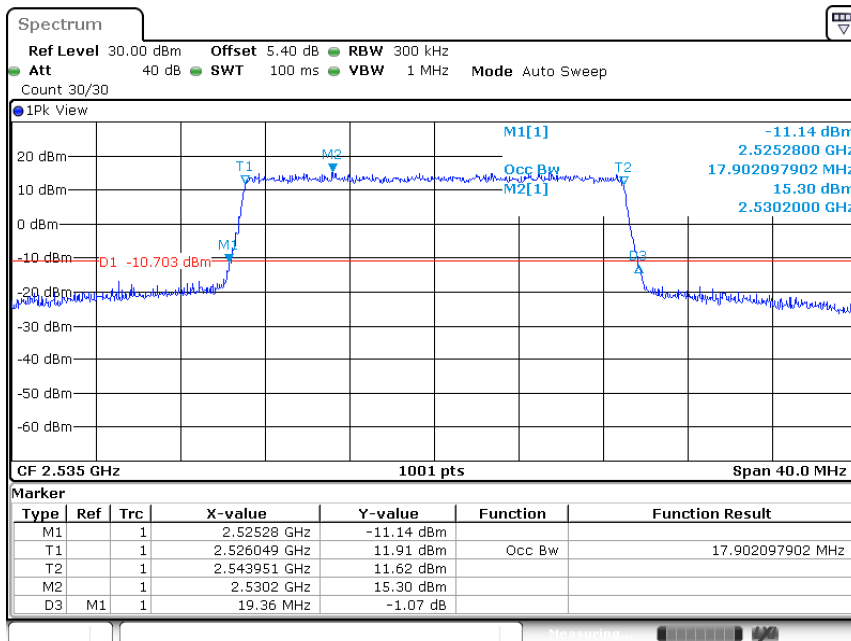
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Band7-20MHz-16QAM-20850-100RB#0-17.942



Date: 14.APR.2021 04:13:48

Band7-20MHz-16QAM-21100-100RB#0-17.902

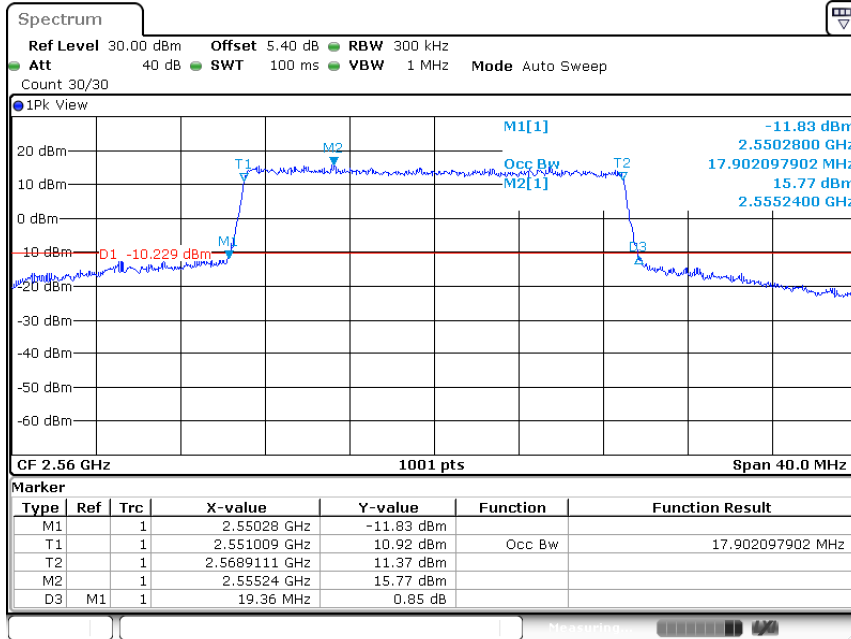


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Band7-20MHz-16QAM-21350-100RB#0-17.902



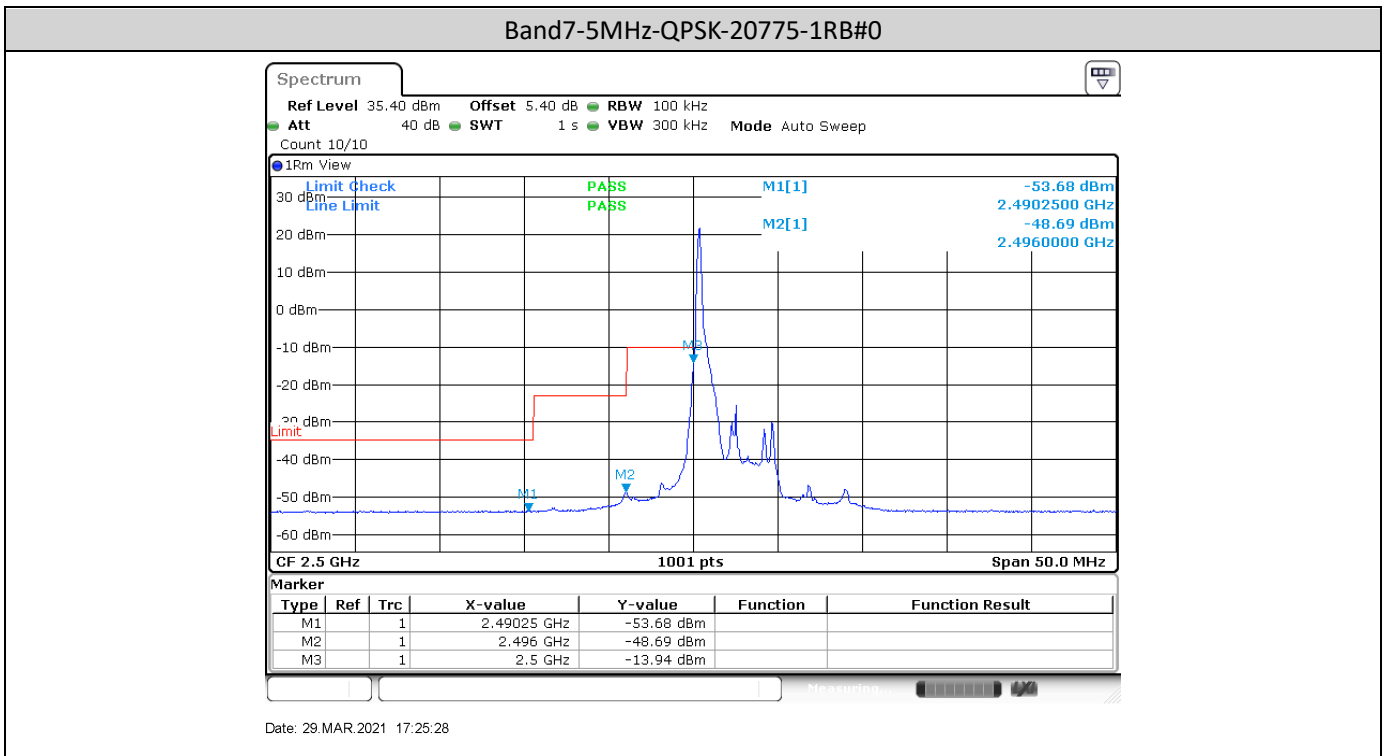
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5. Band Edge Compliance

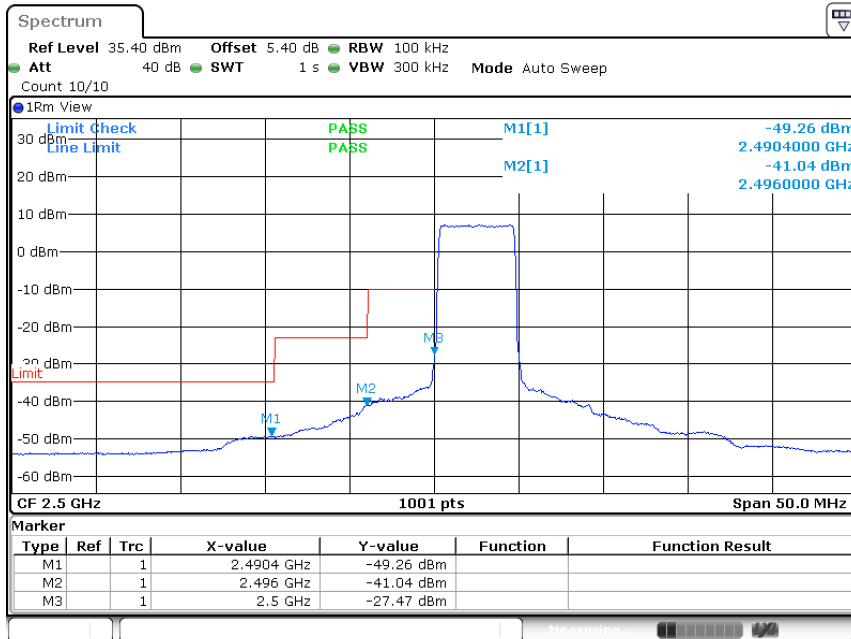
5.1. Test Plots



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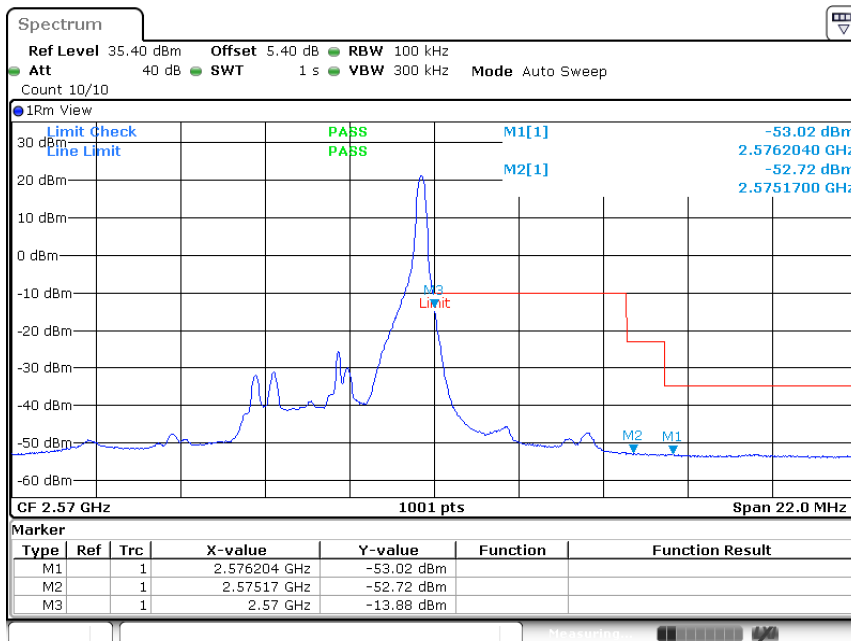
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Band7-5MHz-QPSK-20775-25RB#0



Date: 29.MAR.2021 17:27:03

Band7-5MHz-QPSK-21425-1RB#24



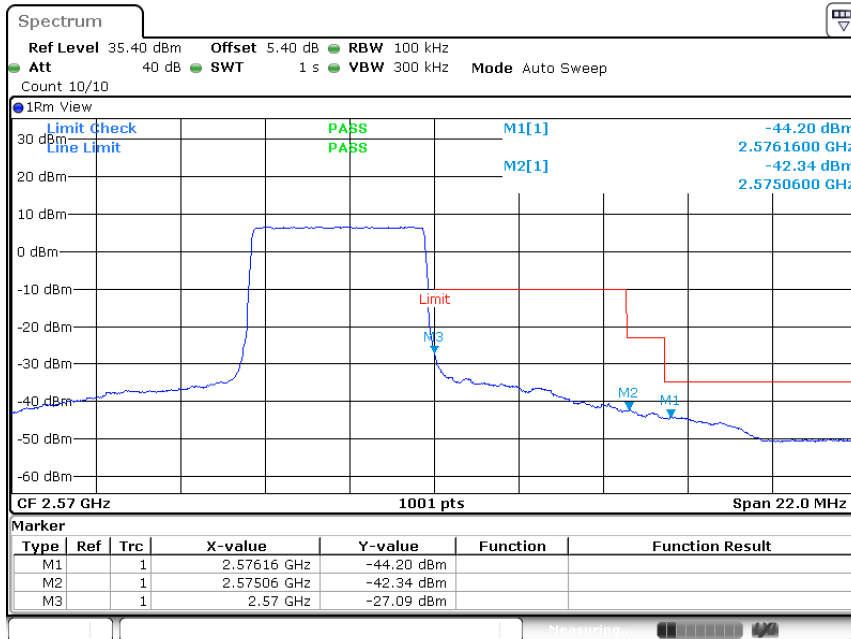
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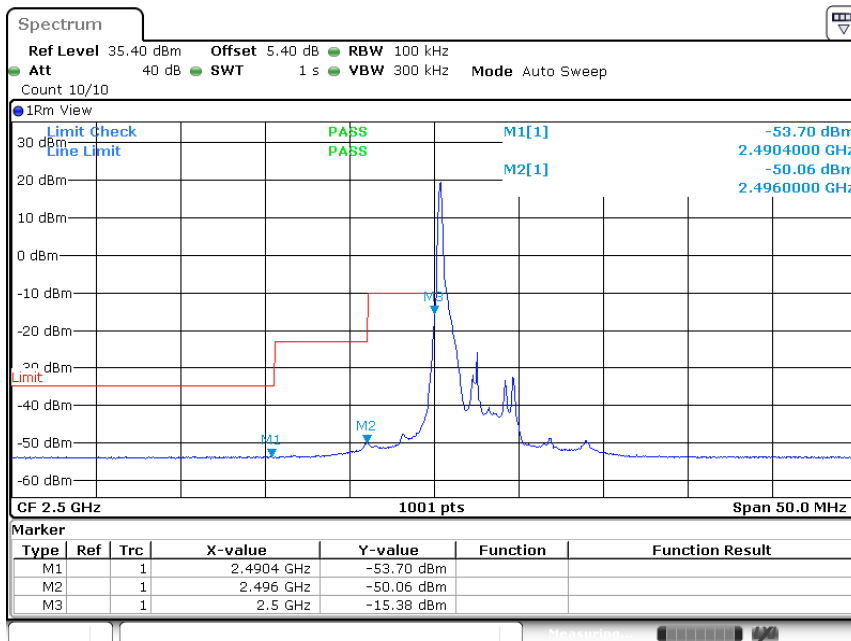
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Band7-5MHz-QPSK-21425-25RB#0



Date: 29.MAR.2021 17:27:47

Band7-5MHz-64QAM-20775-1RB#0



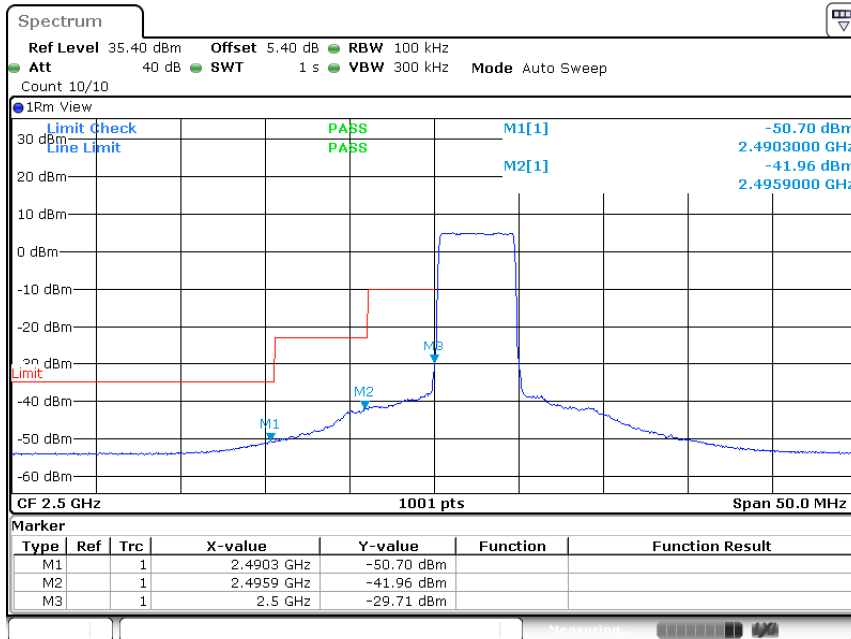
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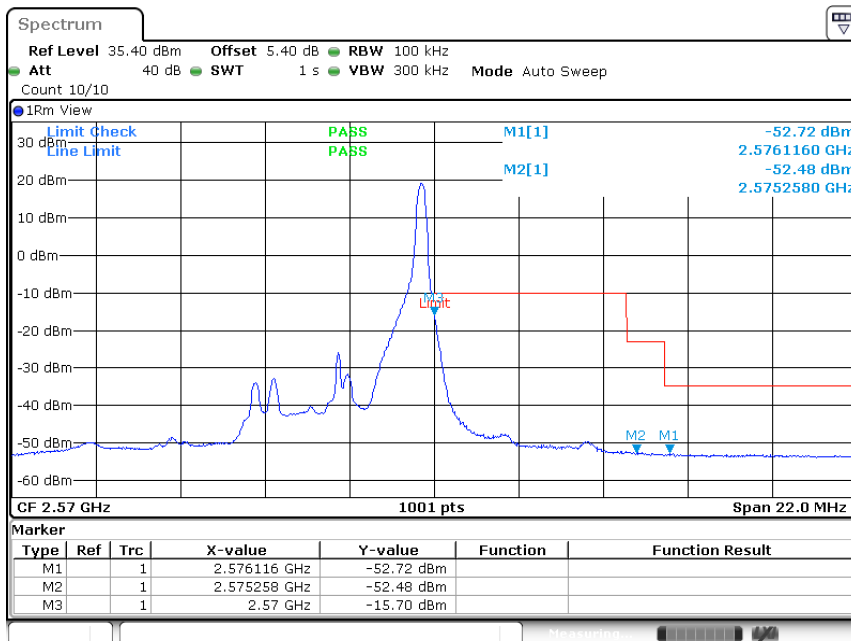
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Band7-5MHz-64QAM-20775-25RB#0



Date: 29.MAR.2021 18:19:30

Band7-5MHz-64QAM-21425-1RB#24



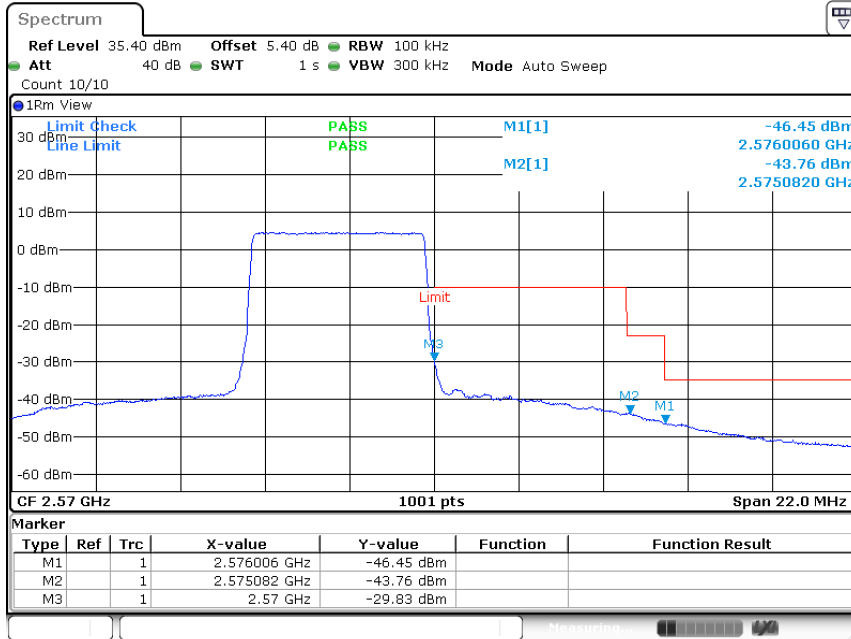
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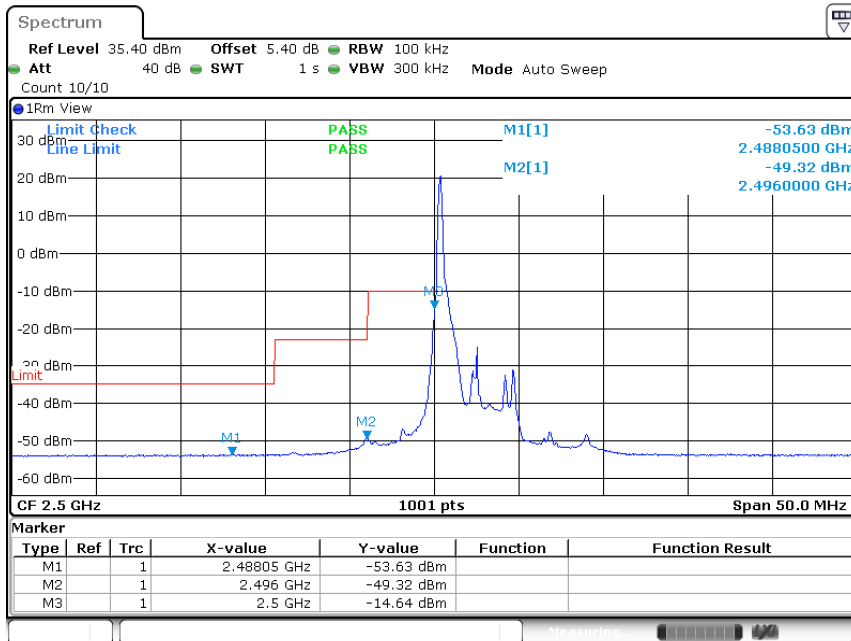
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Band7-5MHz-64QAM-21425-25RB#0



Date: 29.MAR.2021 18:19:52

Band7-5MHz-16QAM-20775-1RB#0



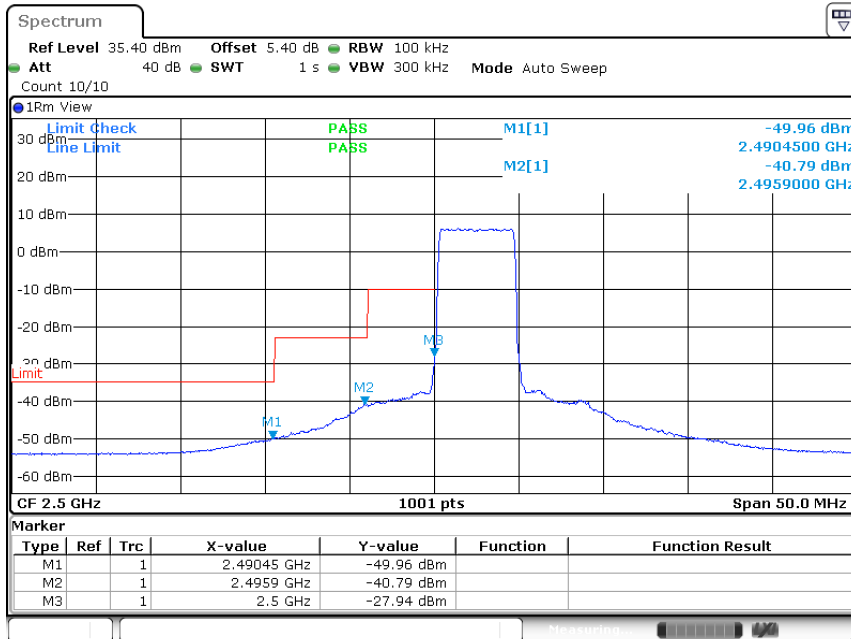
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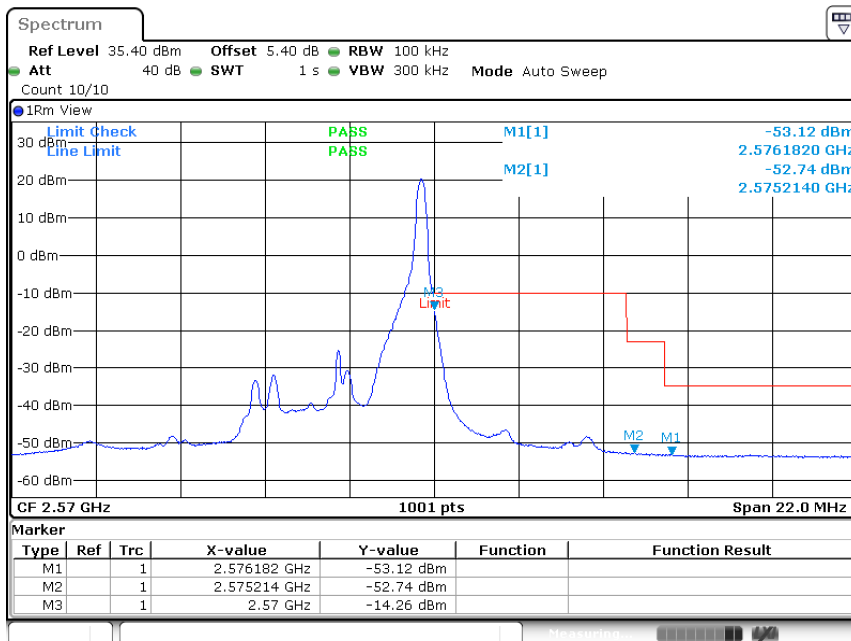
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Band7-5MHz-16QAM-20775-25RB#0



Date: 29.MAR.2021 17:27:25

Band7-5MHz-16QAM-21425-1RB#24

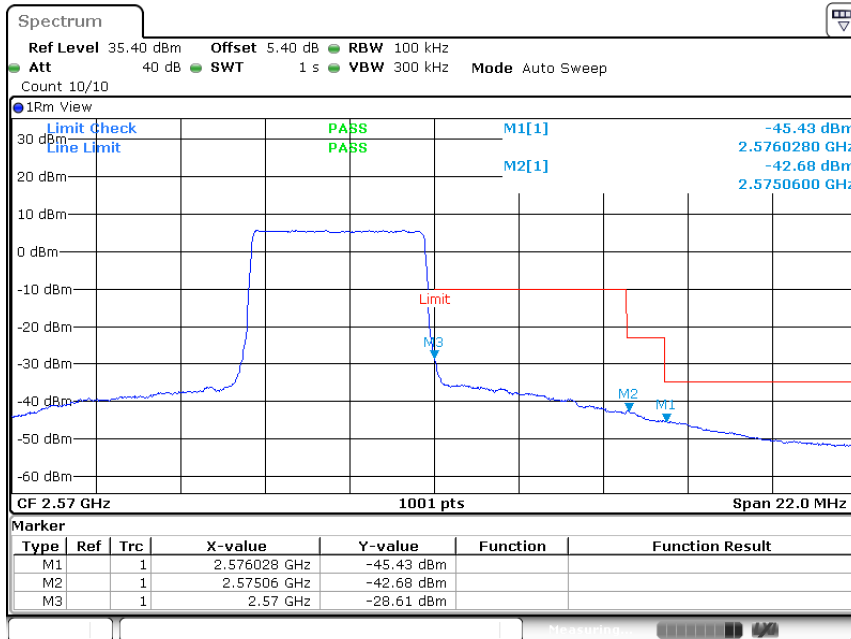


Date: 29.MAR.2021 17:26:37



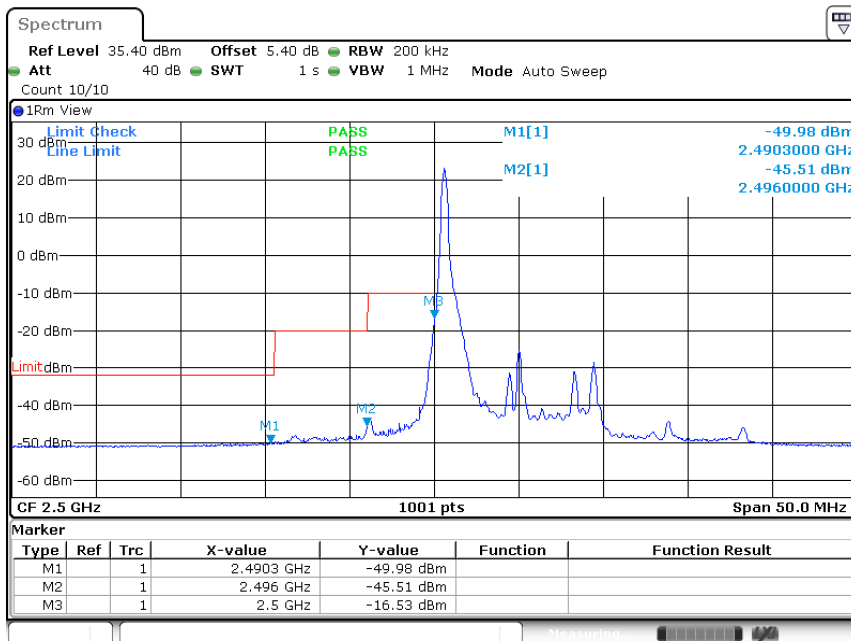
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Band7-5MHz-16QAM-21425-25RB#0



Date: 29.MAR.2021 17:28:08

Band7-10MHz-QPSK-20800-1RB#0



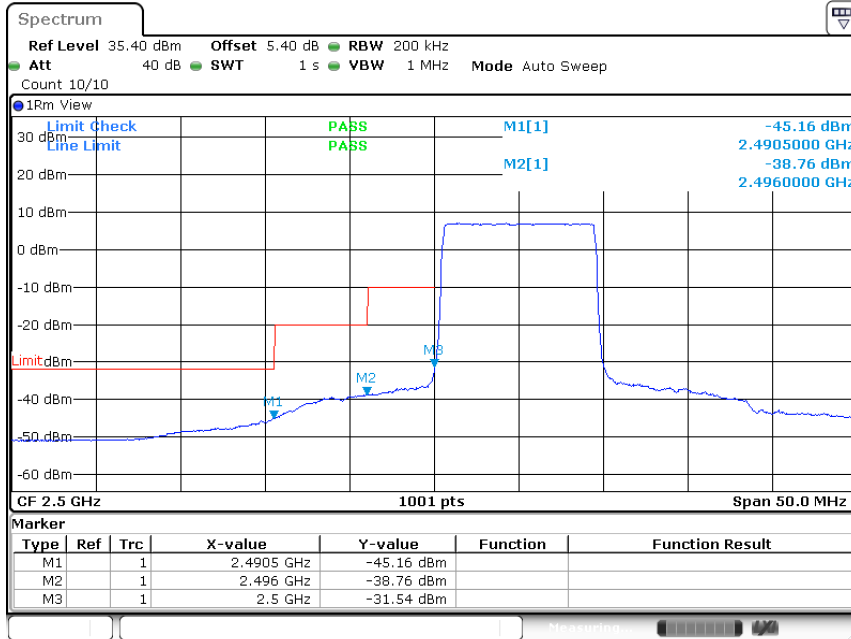
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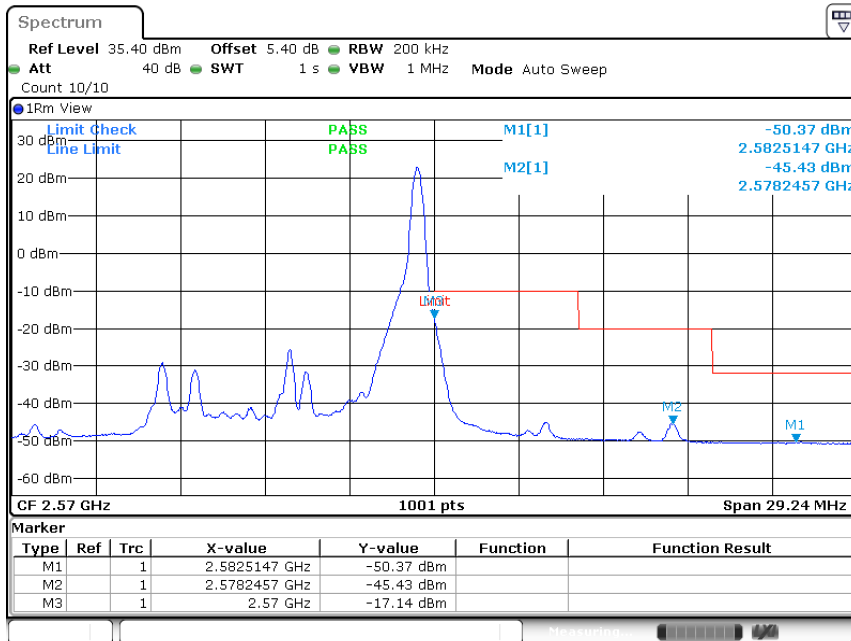
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Band7-10MHz-QPSK-20800-50RB#0



Date: 29.MAR.2021 17:30:10

Band7-10MHz-QPSK-21400-1RB#49



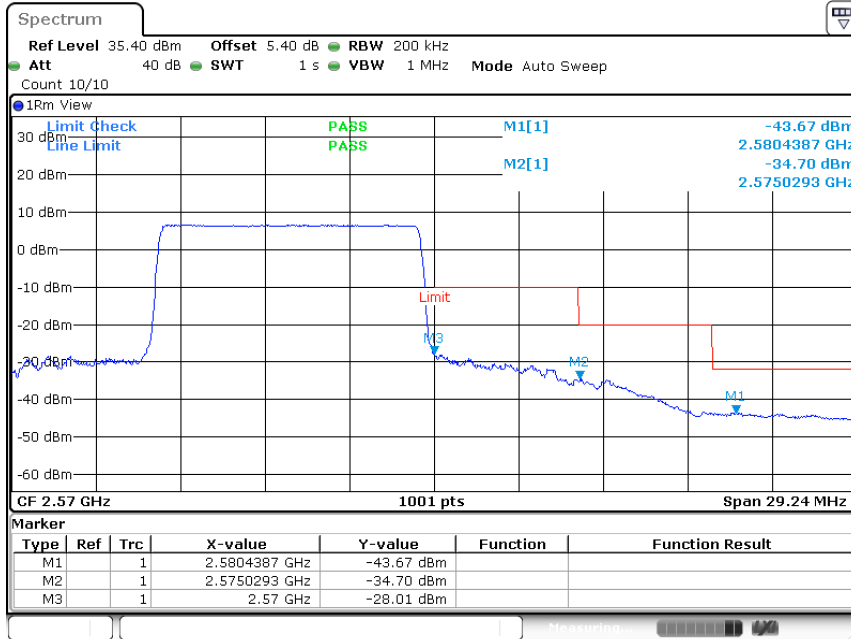
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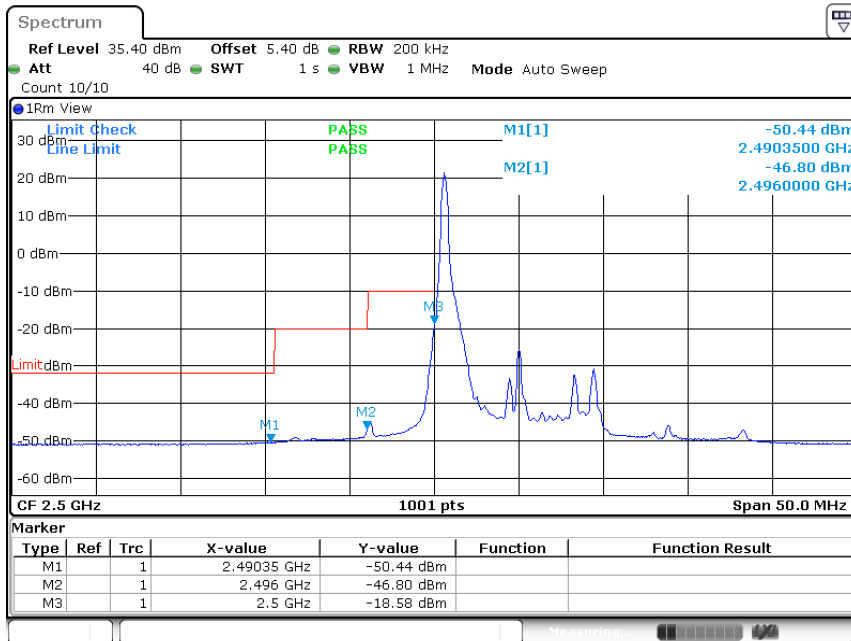
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Band7-10MHz-QPSK-21400-50RB#0



Date: 29.MAR.2021 17:30:53

Band7-10MHz-64QAM-20800-1RB#0



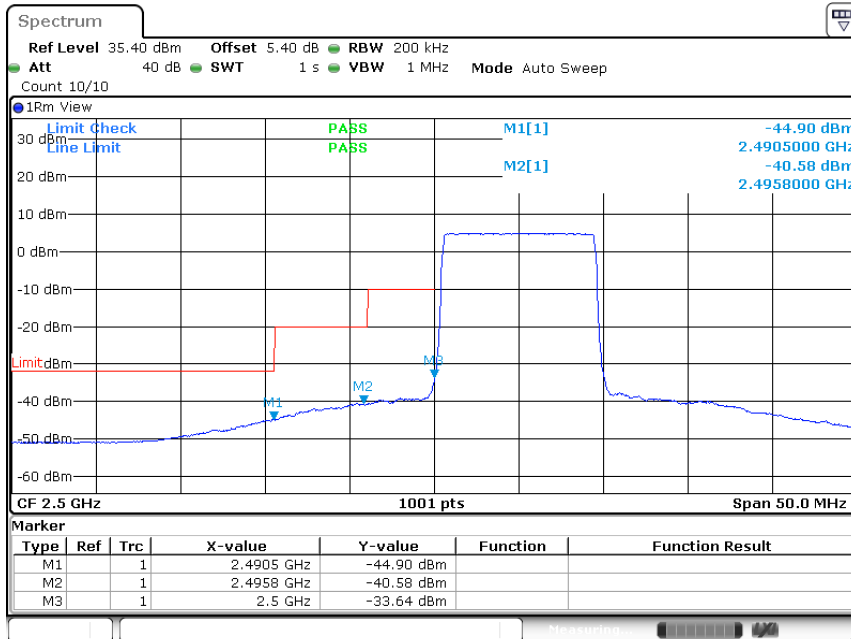
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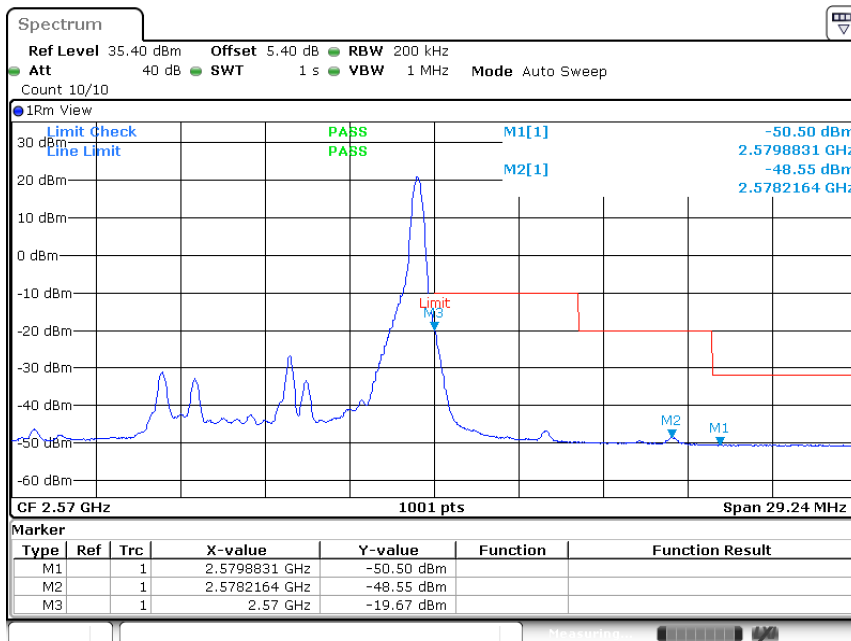
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Band7-10MHz-64QAM-20800-50RB#0



Date: 29.MAR.2021 18:21:11

Band7-10MHz-64QAM-21400-1RB#49



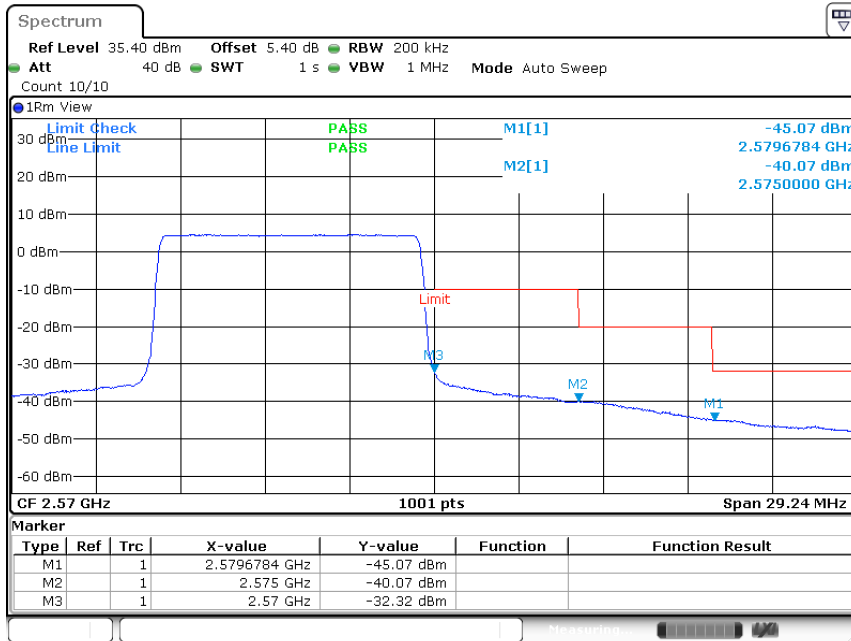
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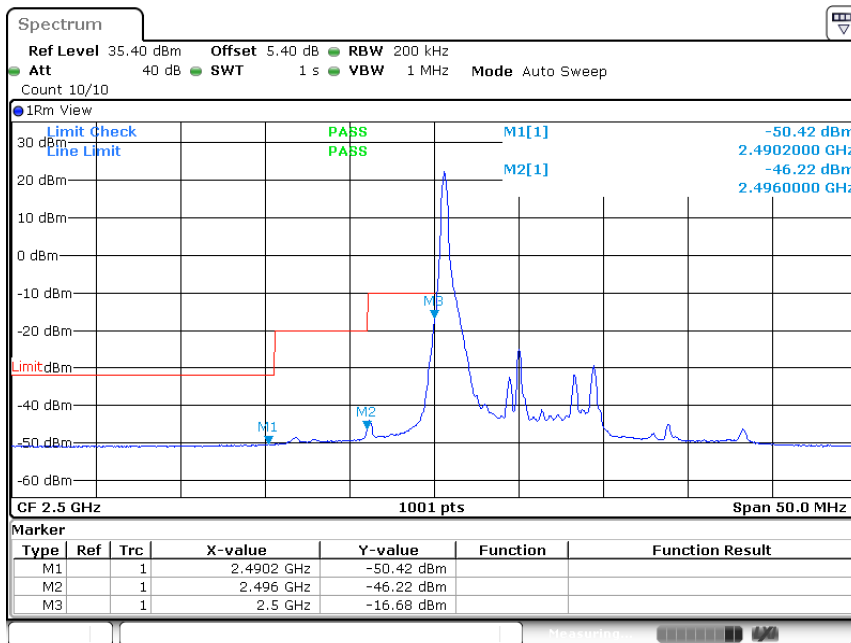
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Band7-10MHz-64QAM-21400-50RB#0



Date: 29.MAR.2021 18:21:33

Band7-10MHz-16QAM-20800-1RB#0



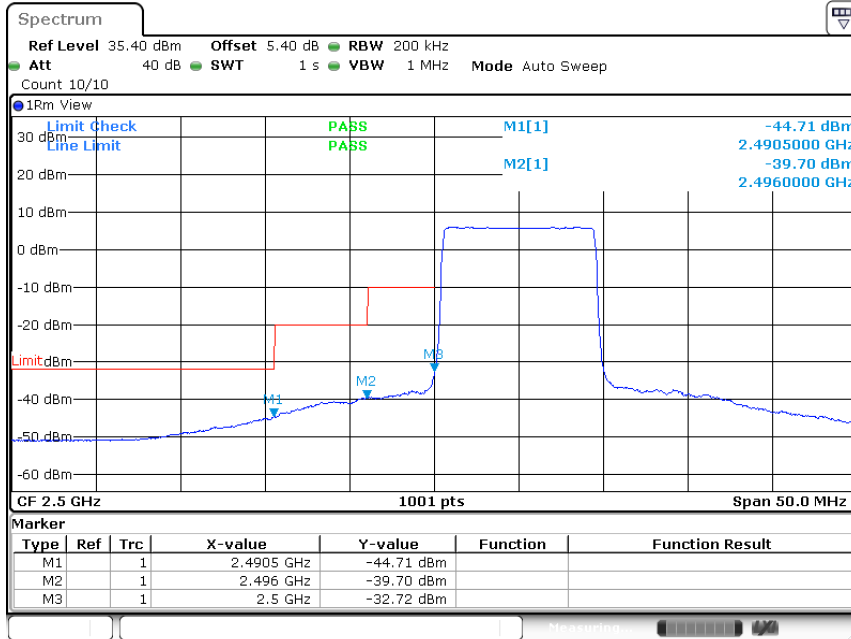
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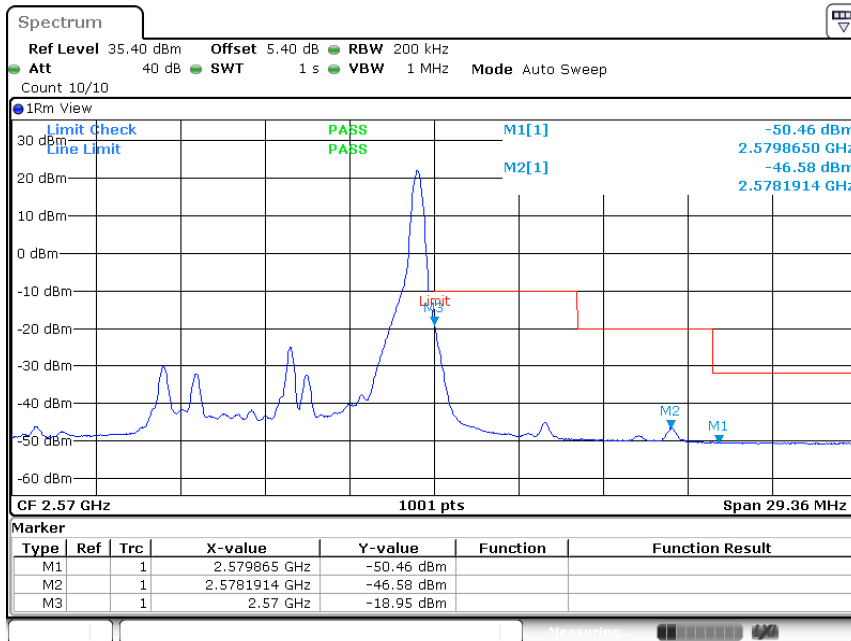
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Band7-10MHz-16QAM-20800-50RB#0



Date: 29.MAR.2021 17:30:31

Band7-10MHz-16QAM-21400-1RB#49



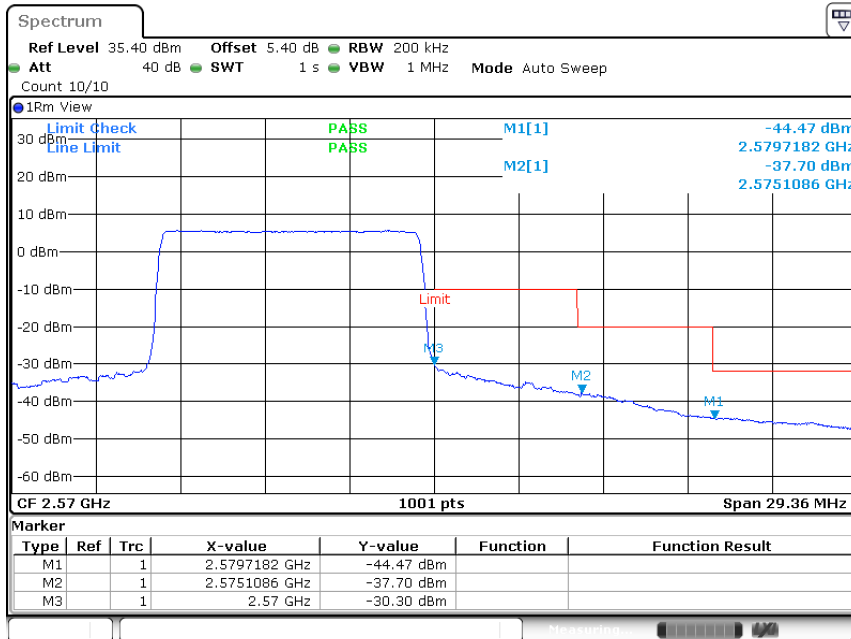
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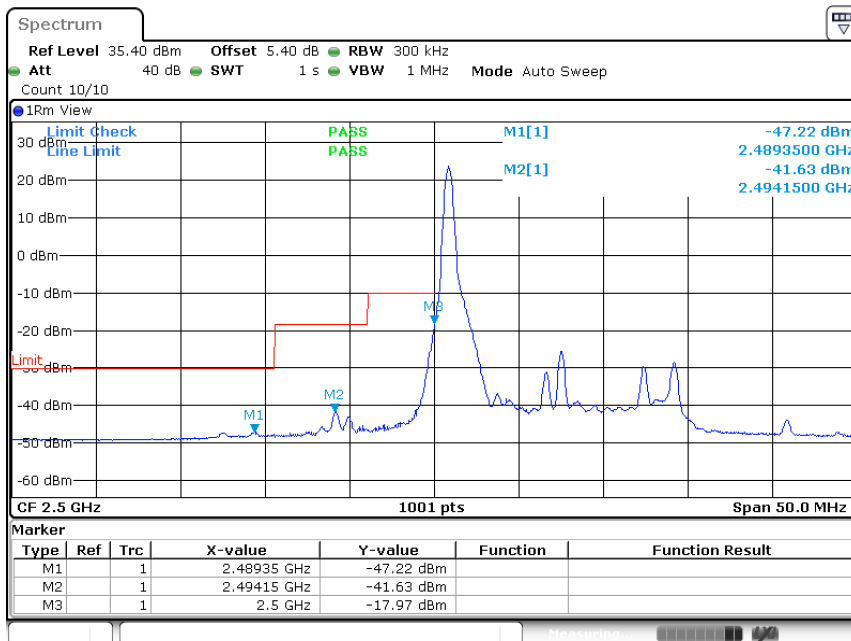
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Band7-10MHz-16QAM-21400-50RB#0



Date: 29.MAR.2021 17:31:14

Band7-15MHz-QPSK-20825-1RB#0



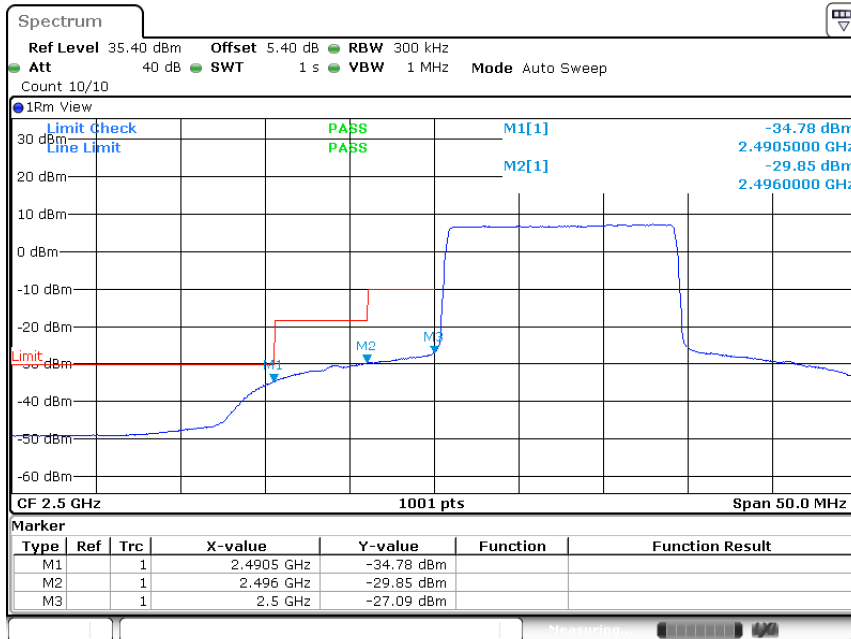
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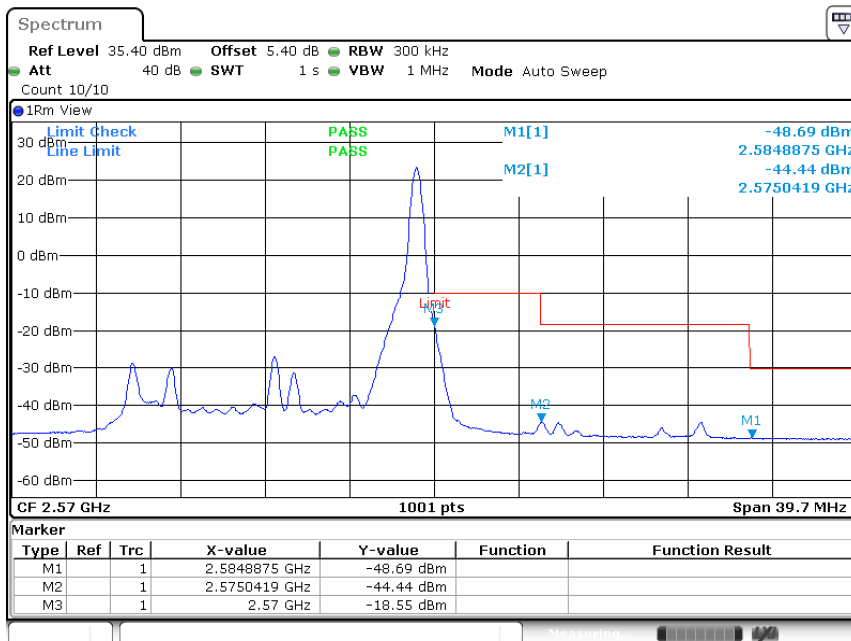
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Band7-15MHz-QPSK-20825-75RB#0



Date: 29.MAR.2021 17:33:15

Band7-15MHz-QPSK-21375-1RB#74



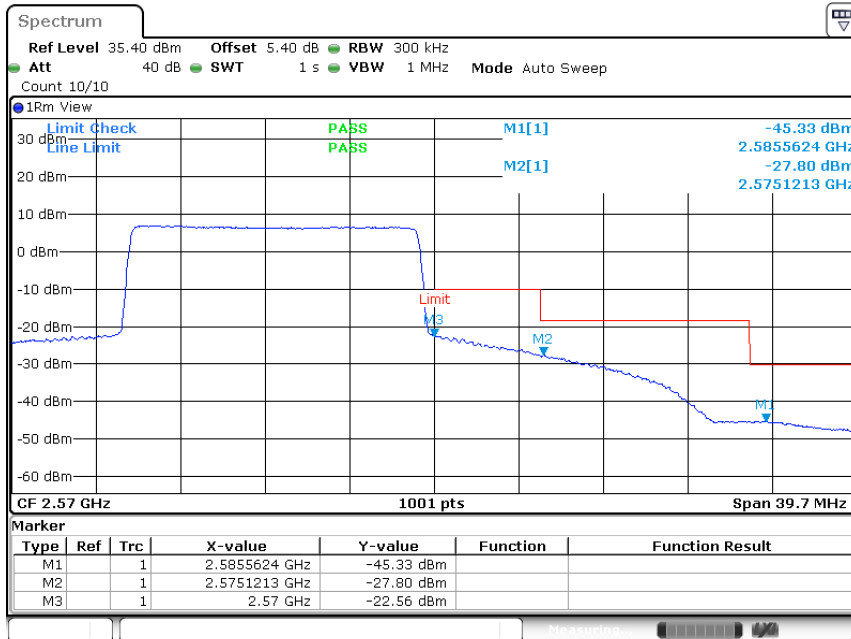
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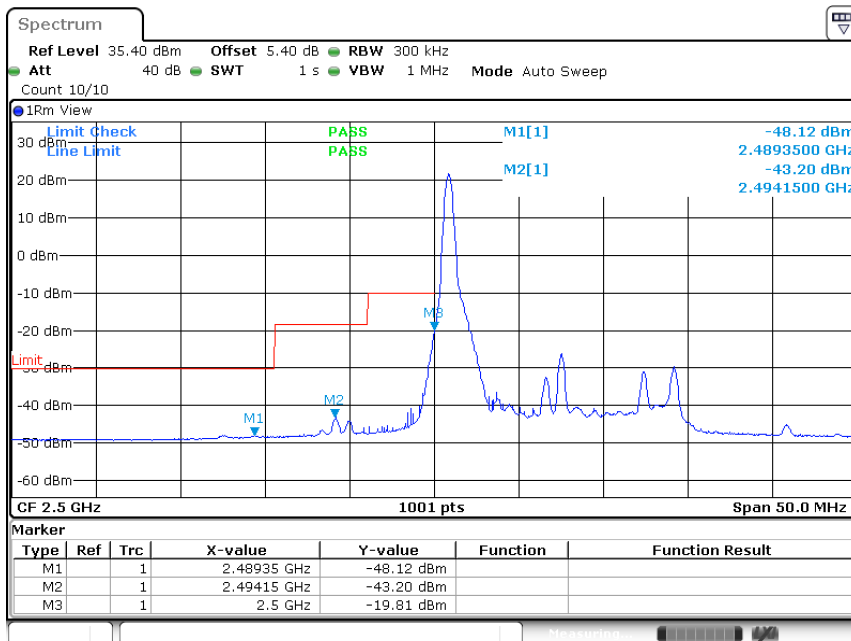
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Band7-15MHz-QPSK-21375-75RB#0



Date: 29.MAR.2021 17:33:57

Band7-15MHz-64QAM-20825-1RB#0



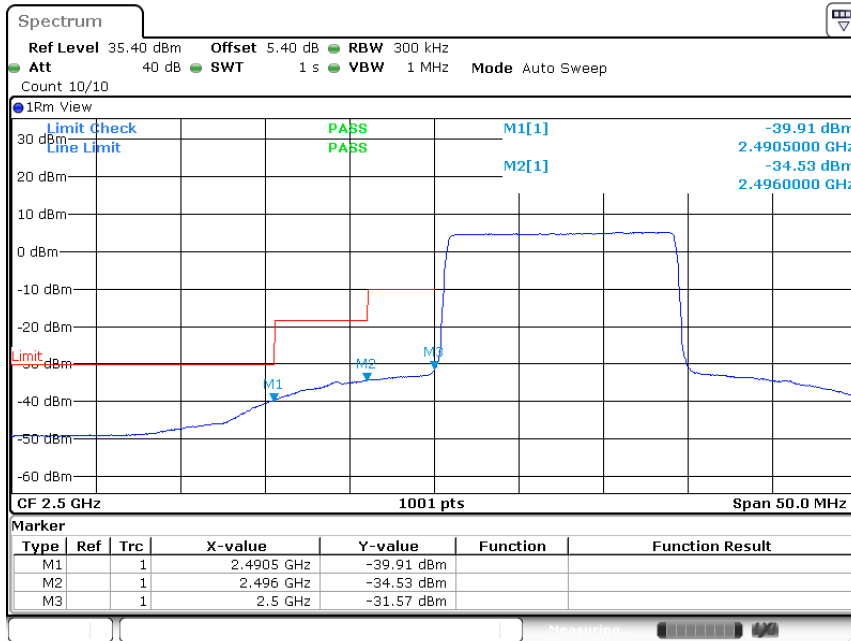
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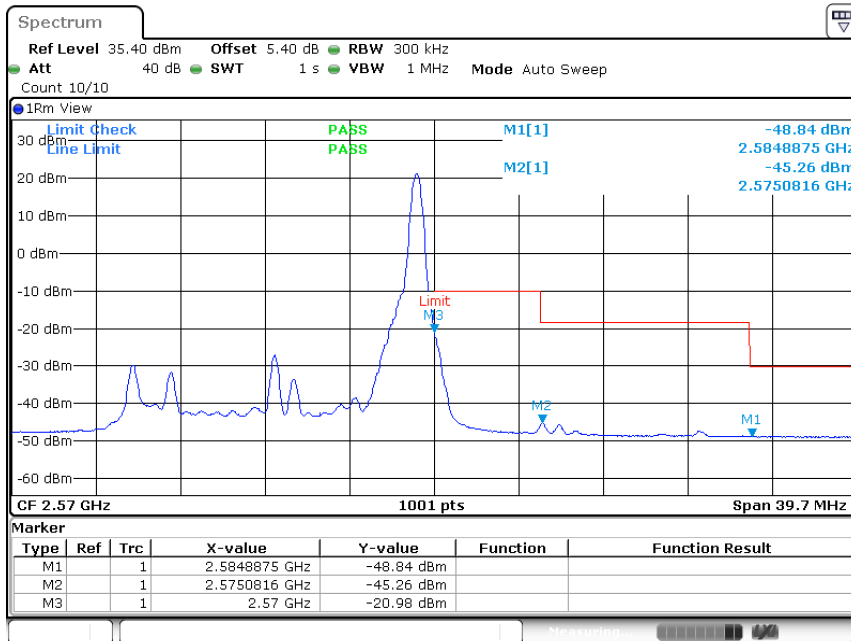
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Band7-15MHz-64QAM-20825-75RB#0



Date: 29.MAR.2021 18:22:52

Band7-15MHz-64QAM-21375-1RB#74

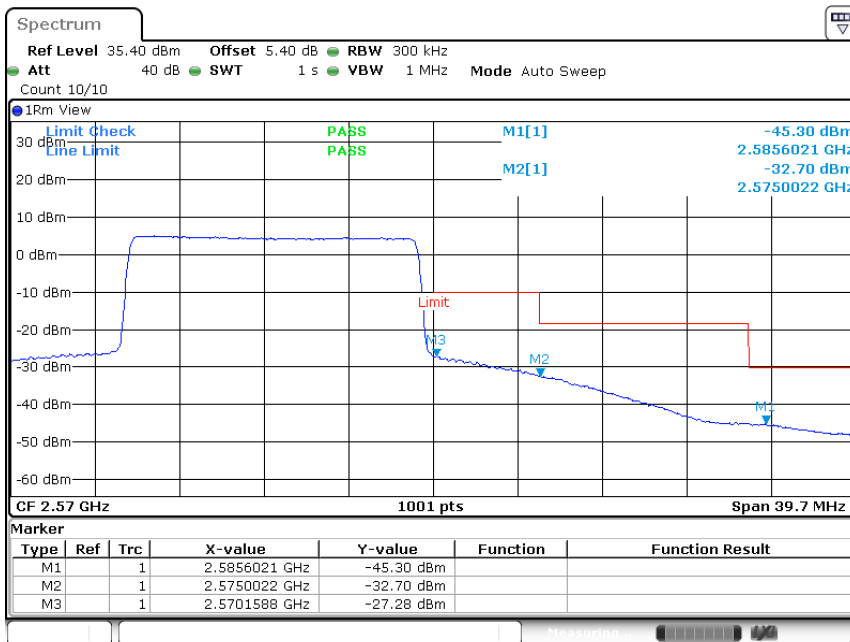


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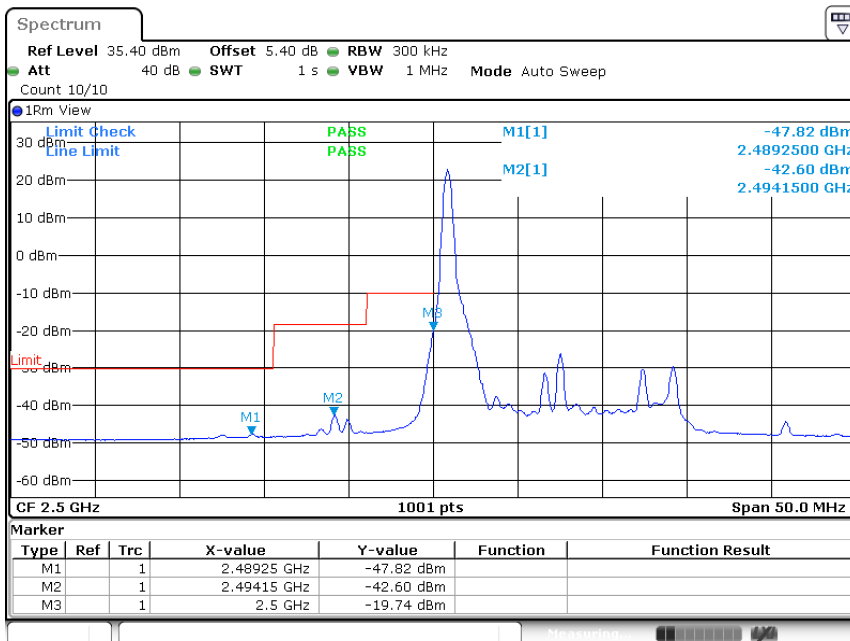
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Band7-15MHz-64QAM-21375-75RB#0



Date: 29.MAR.2021 18:23:13

Band7-15MHz-16QAM-20825-1RB#0



Date: 29.MAR.2021 17:32:02

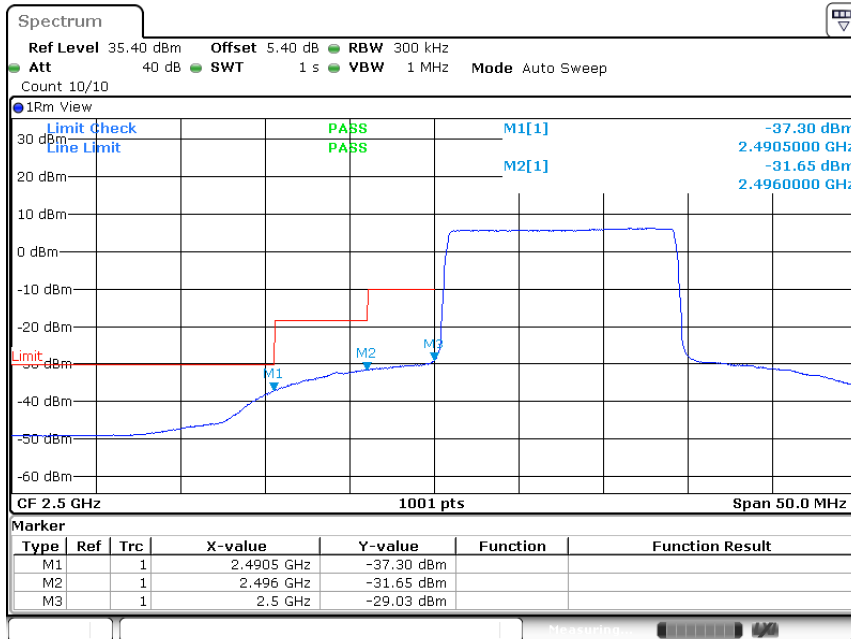


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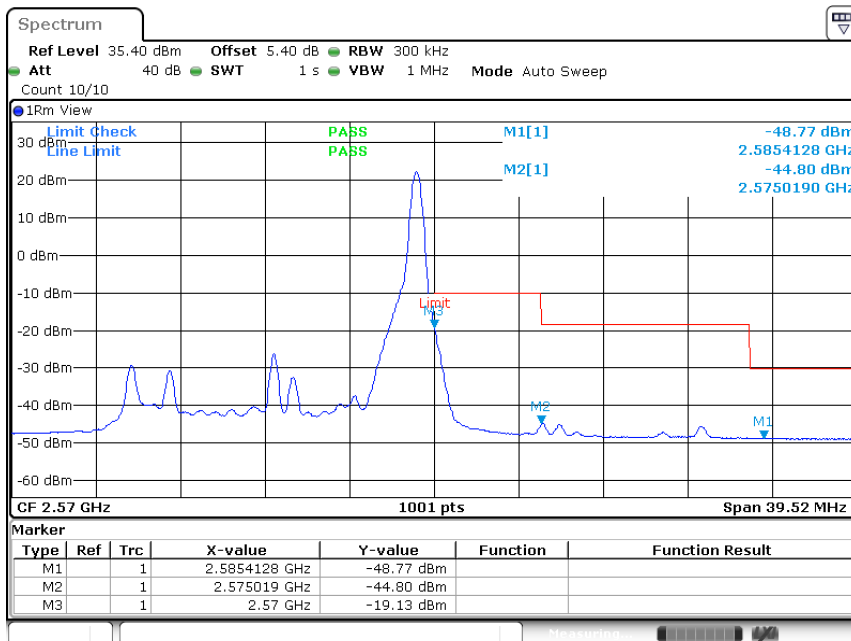
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Band7-15MHz-16QAM-20825-75RB#0



Date: 29.MAR.2021 17:33:36

Band7-15MHz-16QAM-21375-1RB#74



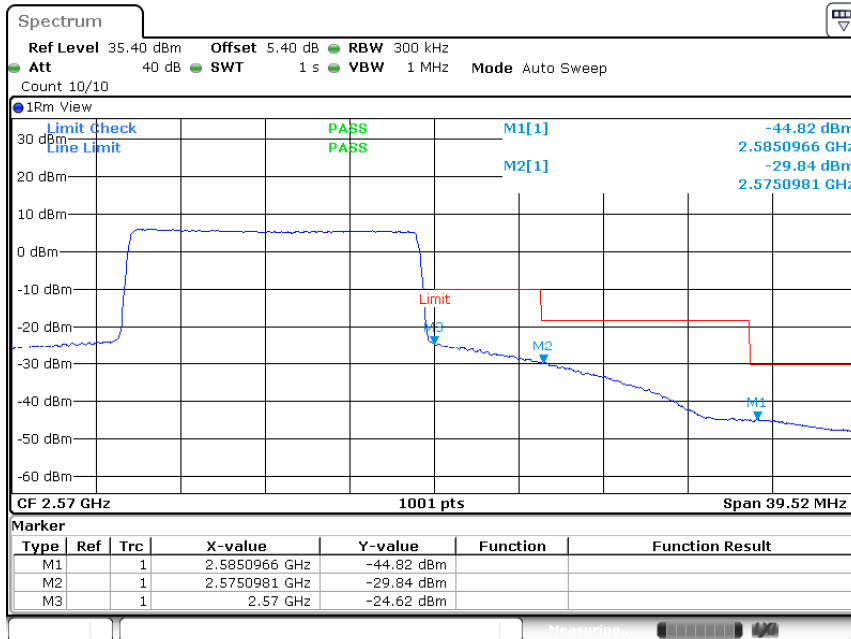
Date: 29.MAR.2021 17:32:49



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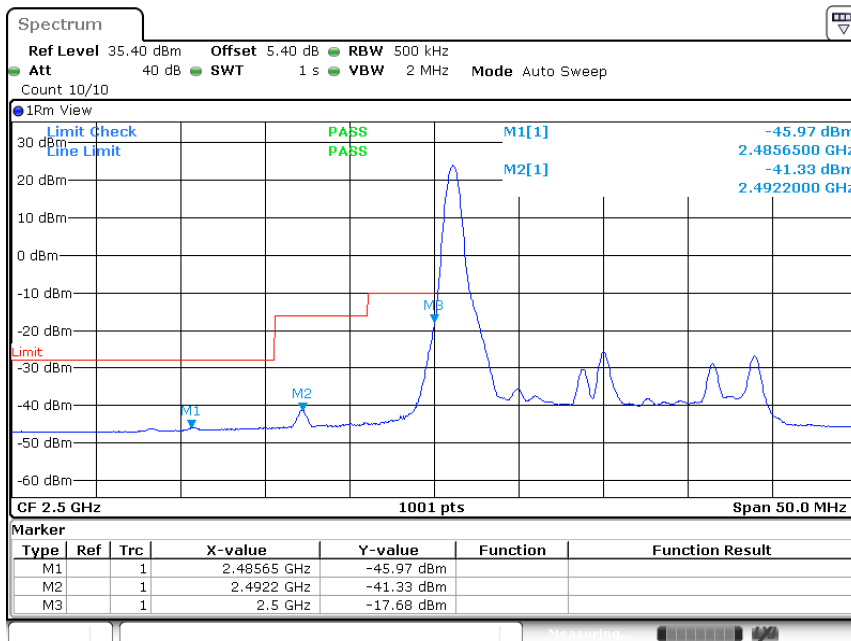
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Band7-15MHz-16QAM-21375-75RB#0



Date: 29.MAR.2021 17:34:19

Band7-20MHz-QPSK-20850-1RB#0



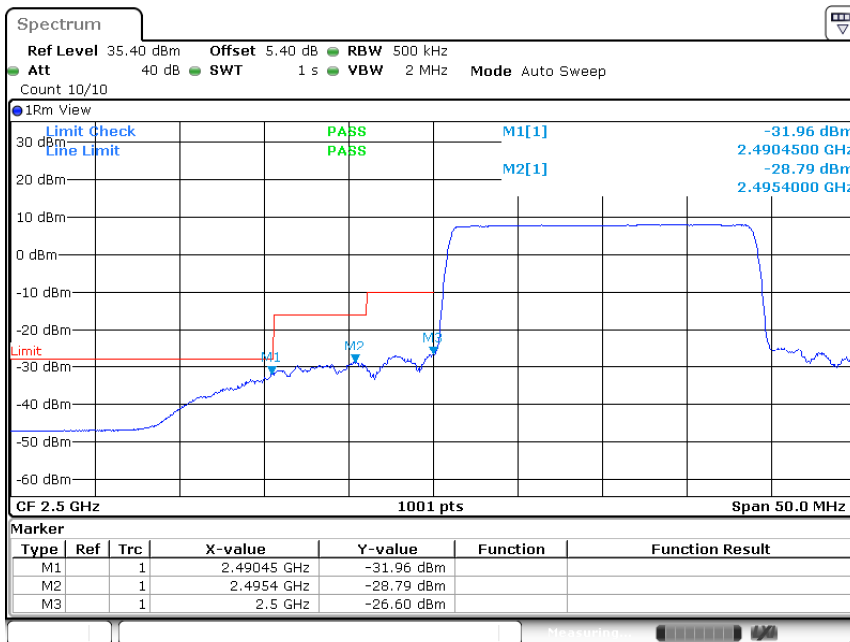
Date: 29.MAR.2021 17:34:45



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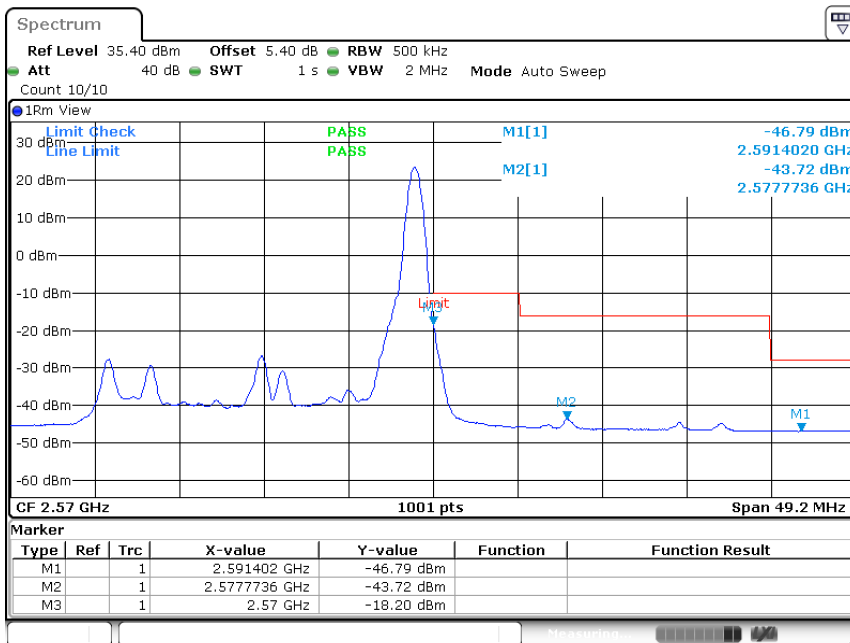
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Band7-20MHz-QPSK-20850-100RB#0



Date: 29.MAR.2021 17:36:19

Band7-20MHz-QPSK-21350-1RB#99



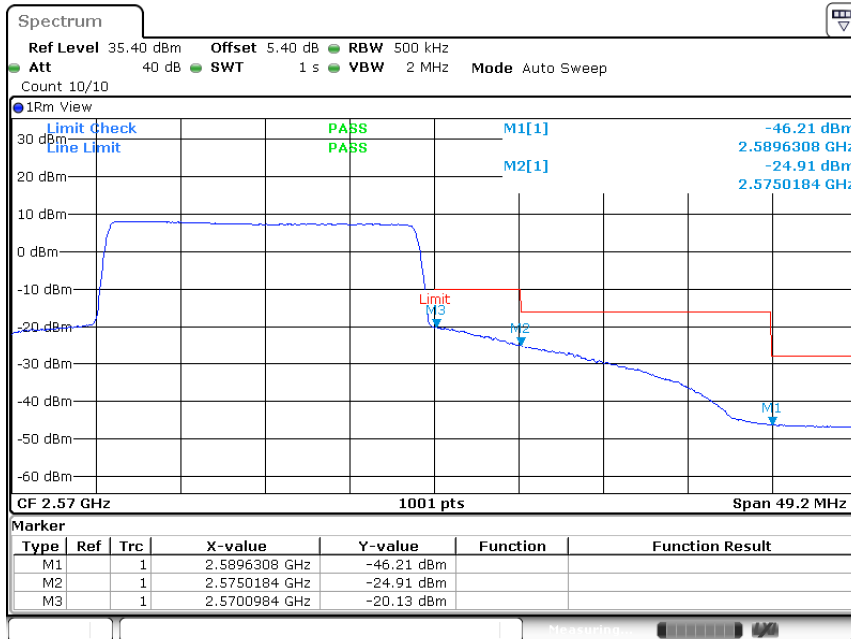
Date: 29.MAR.2021 17:35:32



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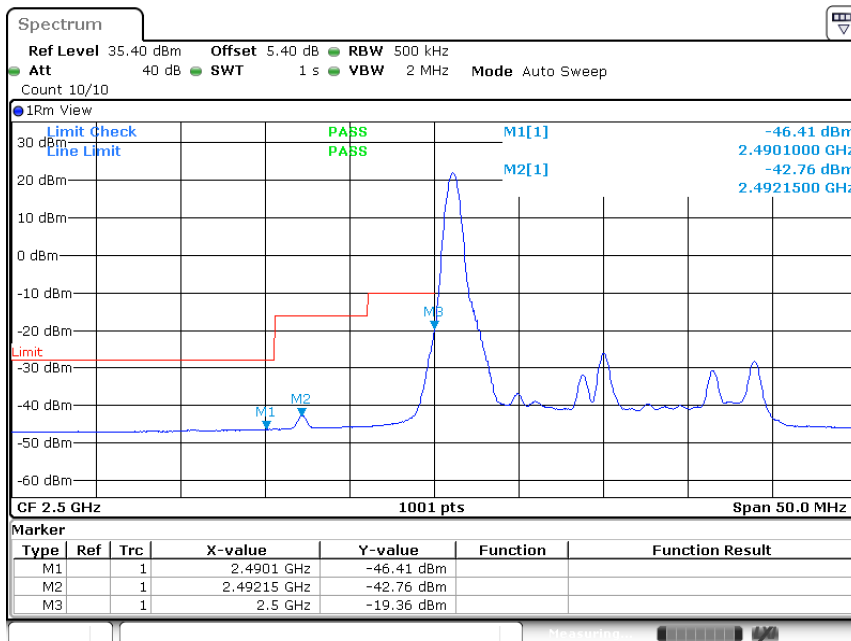
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Band7-20MHz-QPSK-21350-100RB#0



Date: 29.MAR.2021 17:37:02

Band7-20MHz-64QAM-20850-1RB#0



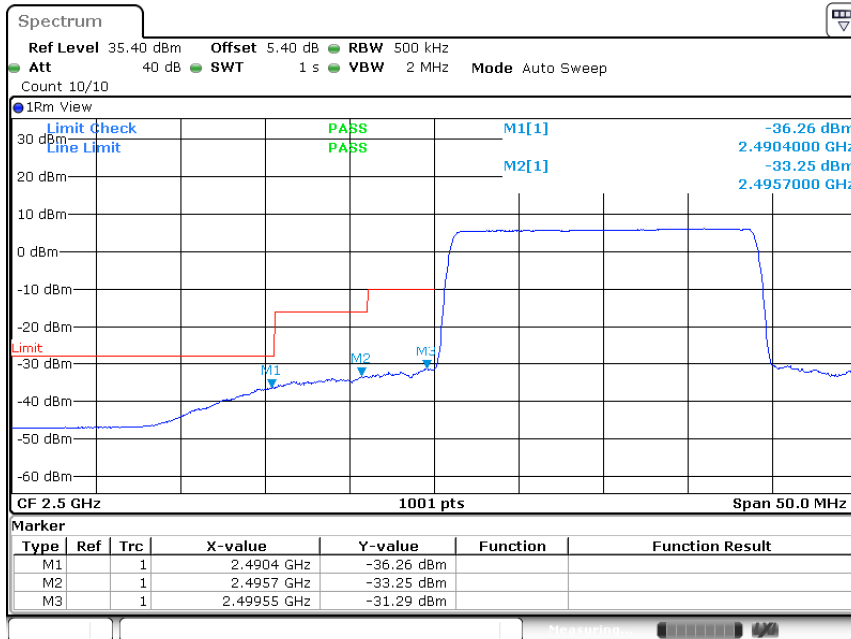
Date: 29.MAR.2021 18:23:40



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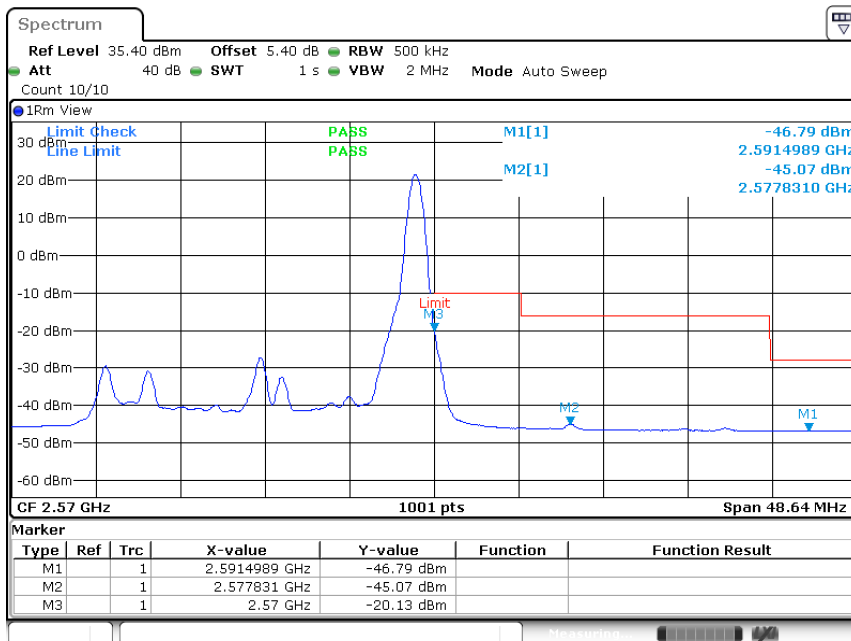
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Band7-20MHz-64QAM-20850-100RB#0



Date: 29.MAR.2021 18:24:33

Band7-20MHz-64QAM-21350-1RB#99

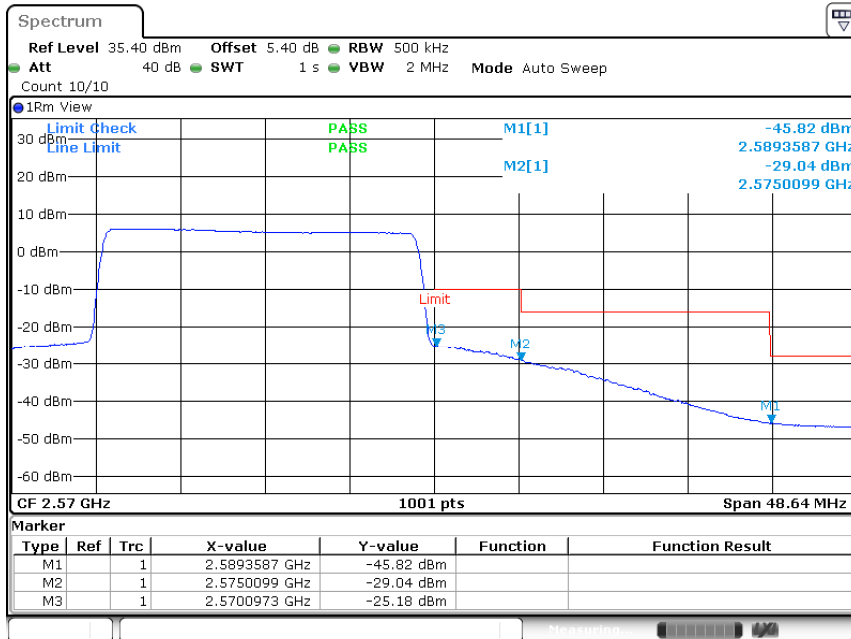


Date: 29.MAR.2021 18:24:06



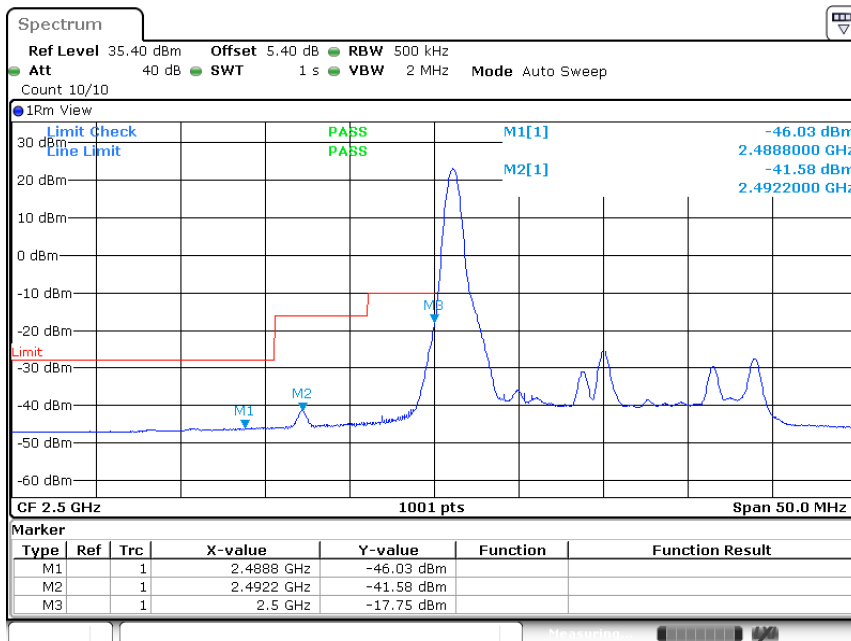
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Band7-20MHz-64QAM-21350-100RB#0



Date: 29.MAR.2021 18:24:54

Band7-20MHz-16QAM-20850-1RB#0



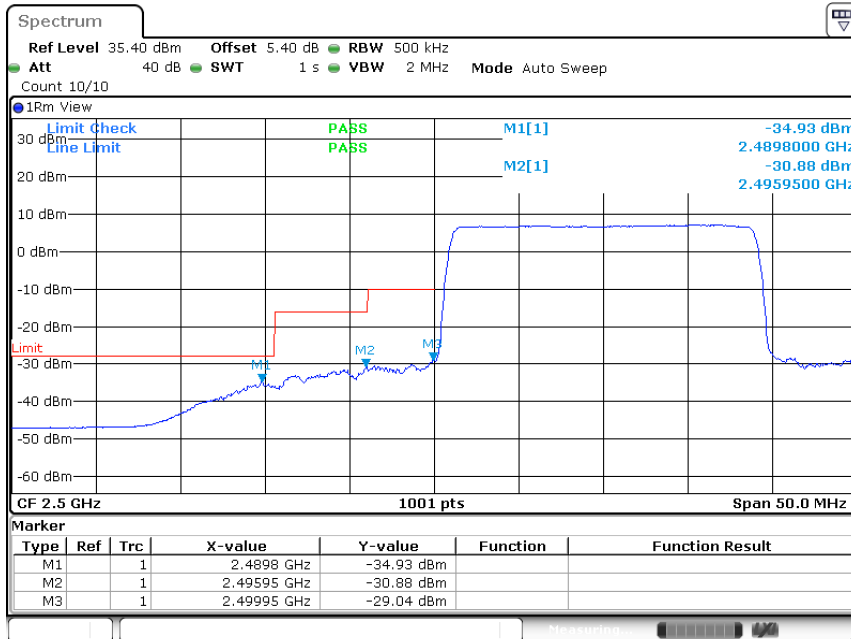
Date: 29.MAR.2021 17:35:07



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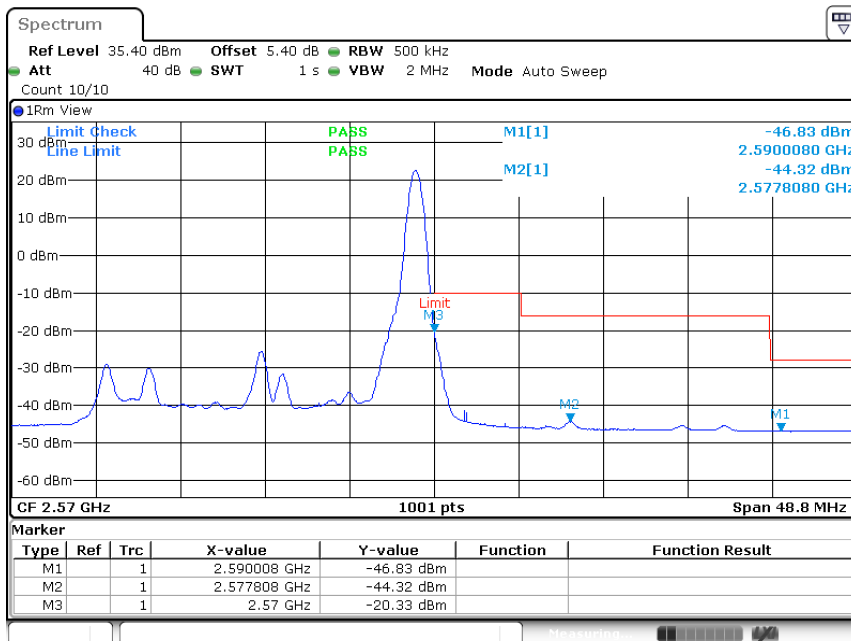
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Band7-20MHz-16QAM-20850-100RB#0



Date: 29.MAR.2021 17:36:41

Band7-20MHz-16QAM-21350-1RB#99

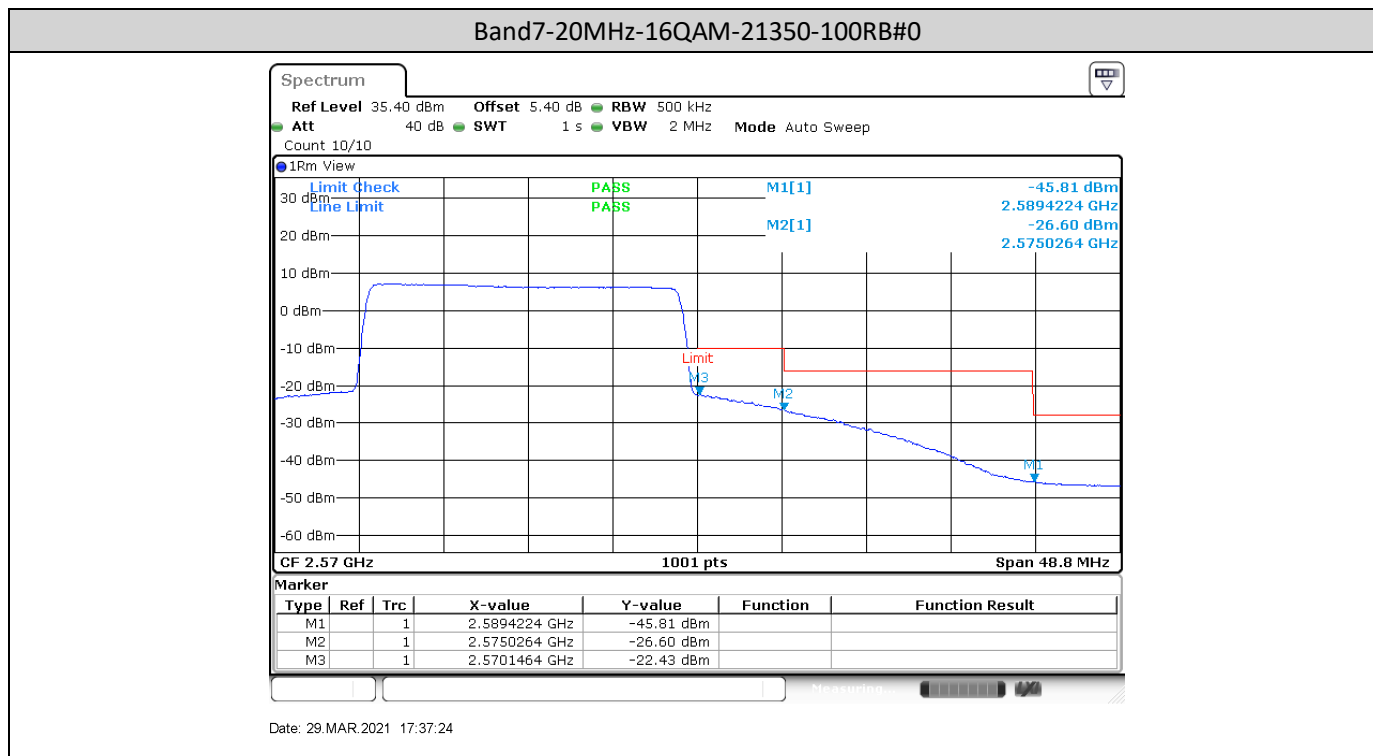


Date: 29.MAR.2021 17:35:54



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Remark: The limit of more than 1MHz offset the channel edge is corrected by the formula:
 $X = \text{Limit} + 10 \log(\text{RBW}/1000\text{kHz})$



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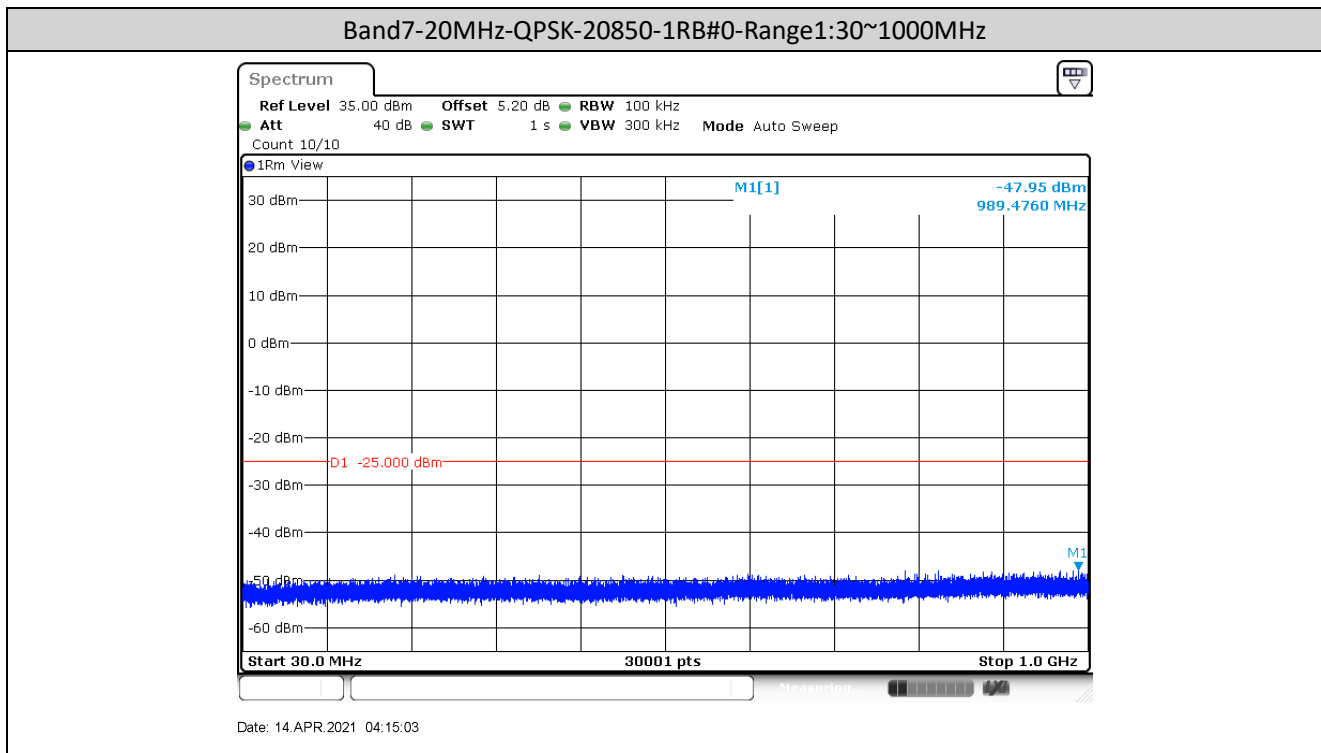
6. Spurious Emission at Antenna Terminal

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.

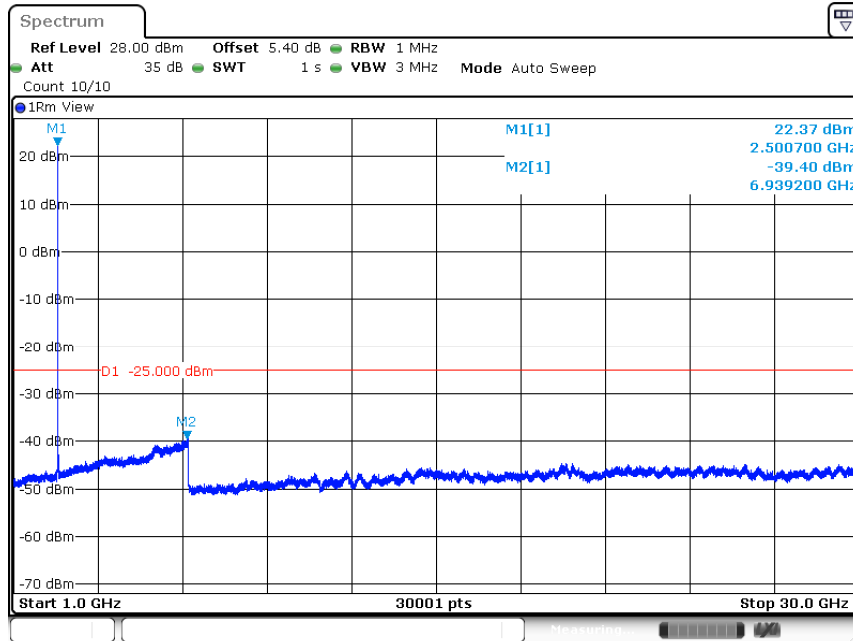
6.1. Test Plots



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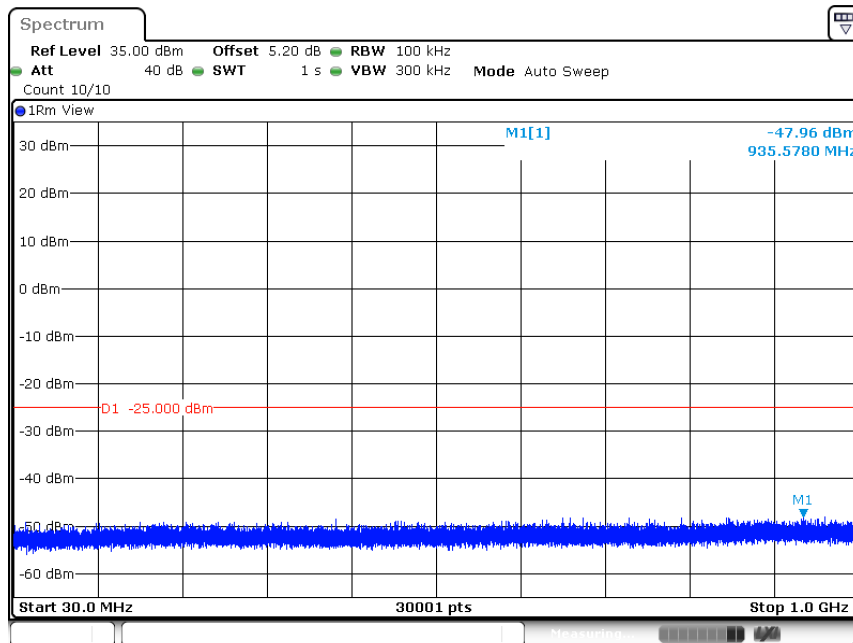
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Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~30000MHz



Date: 14.APR.2021 04:15:20

Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



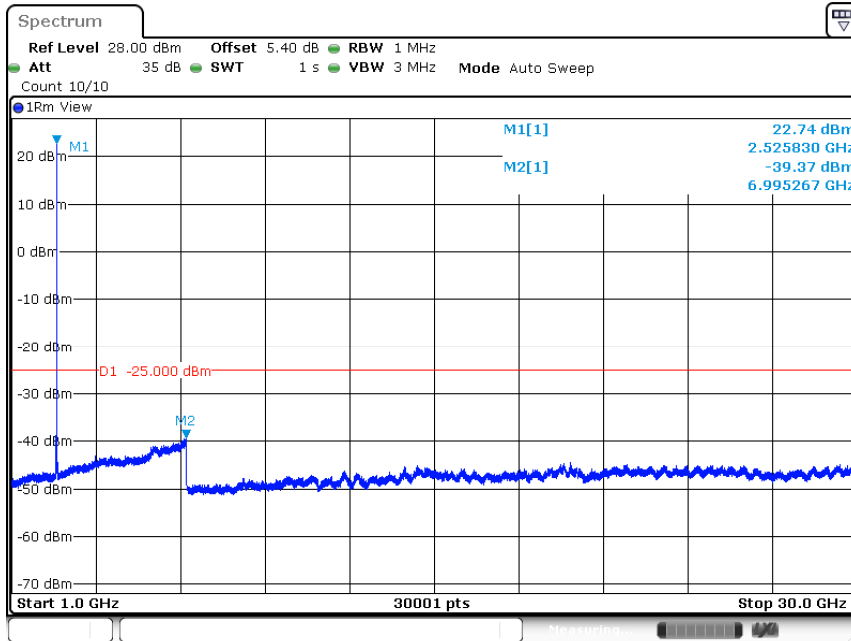
Date: 14.APR.2021 04:16:15



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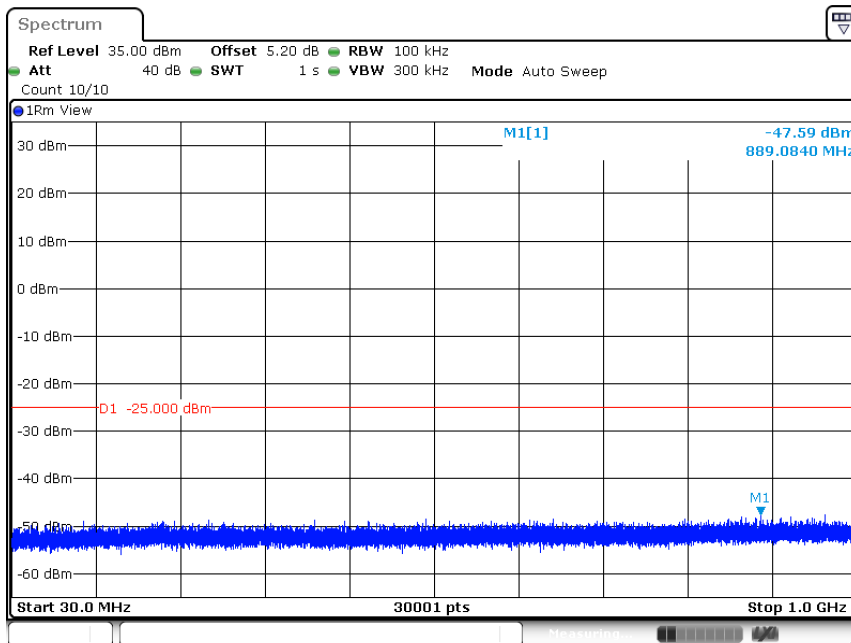
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Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~30000MHz



Date: 14.APR.2021 04:16:31

Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz

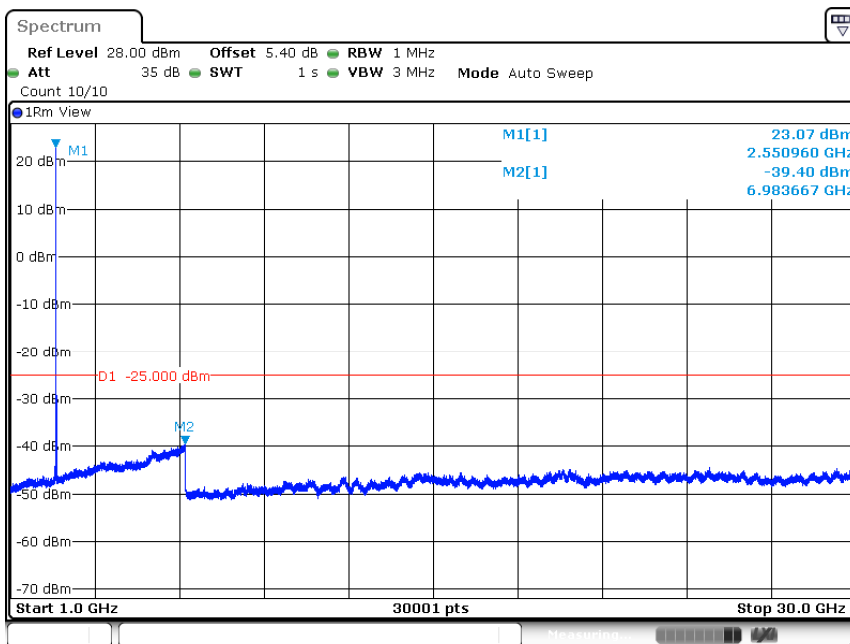


Date: 14.APR.2021 04:17:26



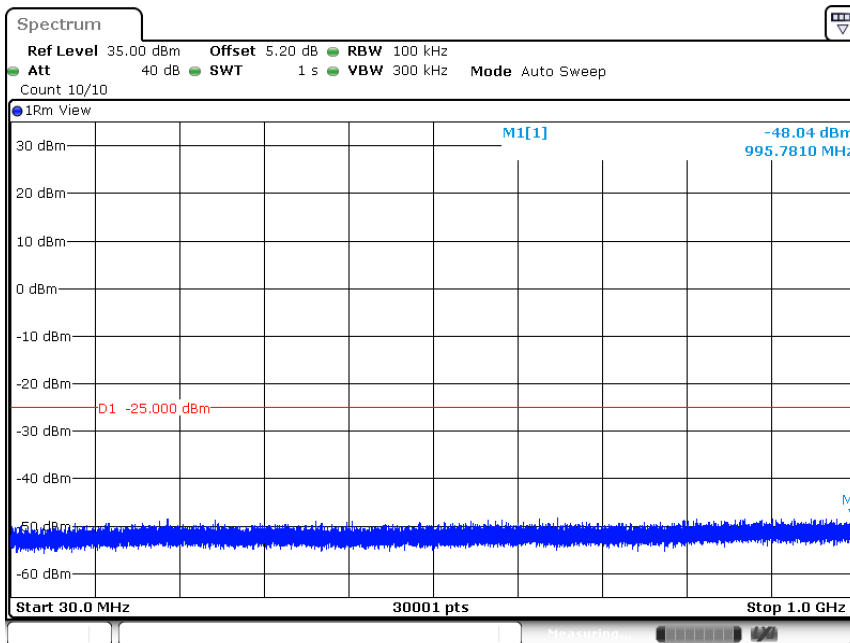
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Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~30000MHz



Date: 14.APR.2021 04:17:43

Band7-20MHz-64QAM-20850-1RB#0-Range1:30~1000MHz

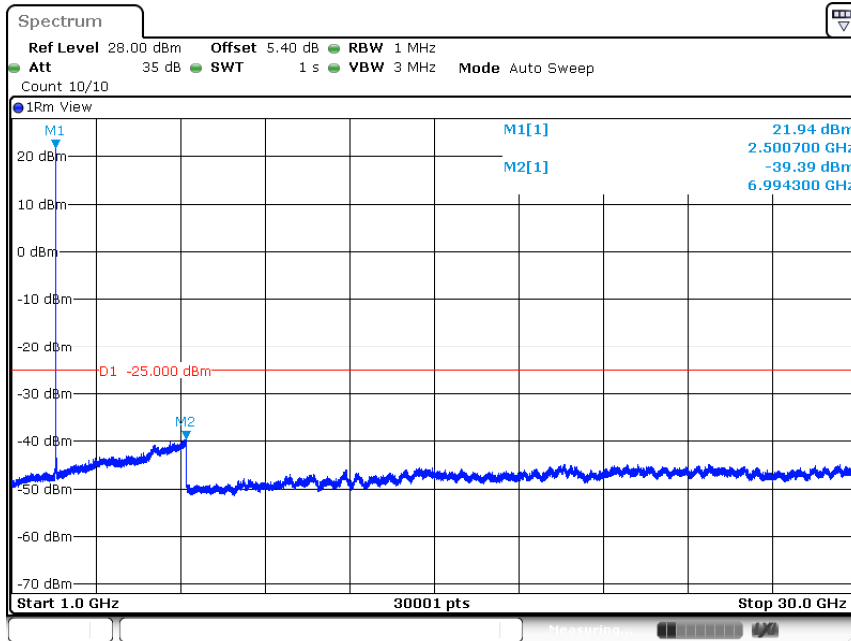


Date: 14.APR.2021 04:52:56



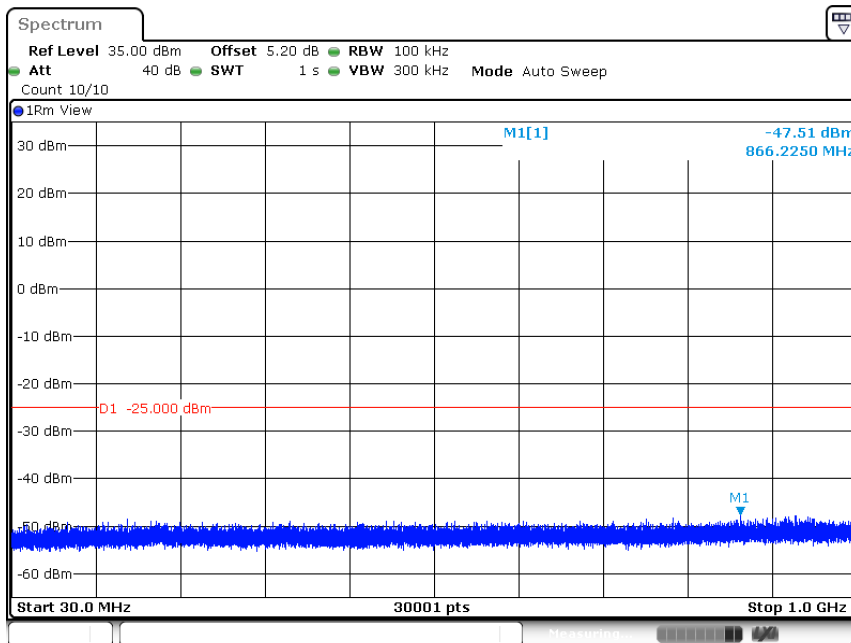
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Band7-20MHz-64QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 14.APR.2021 04:53:13

Band7-20MHz-64QAM-21100-1RB#0-Range1:30~1000MHz



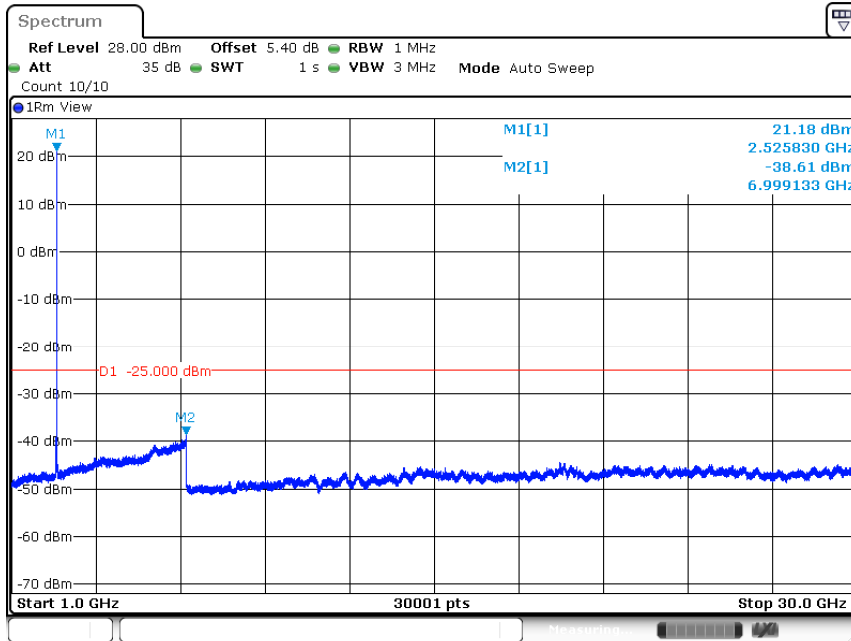
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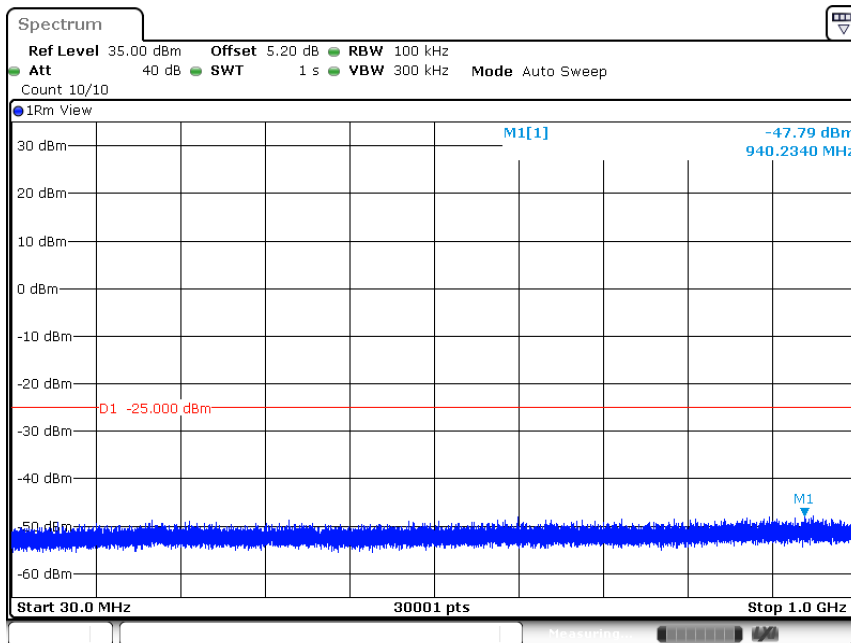
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Band7-20MHz-64QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 14.APR.2021 04:53:48

Band7-20MHz-64QAM-21350-1RB#0-Range1:30~1000MHz



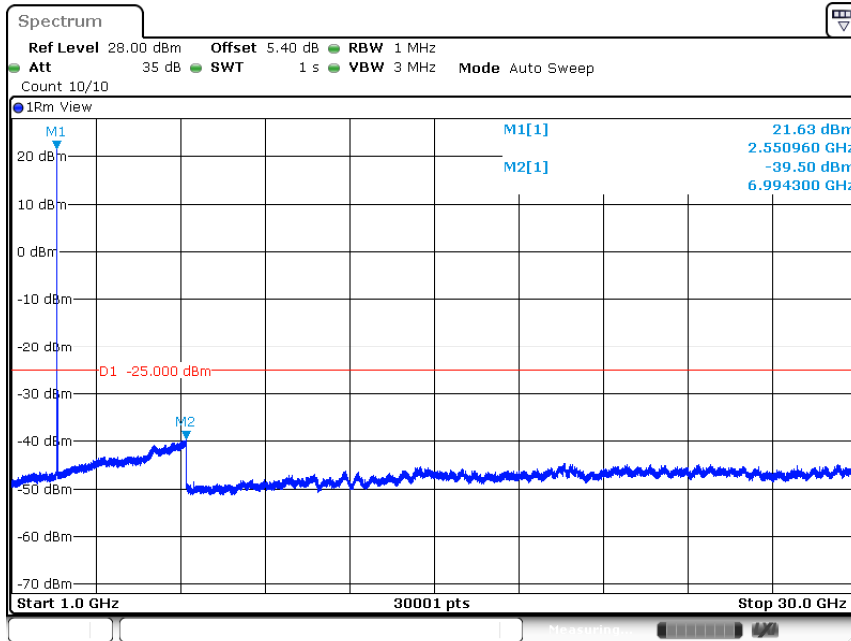
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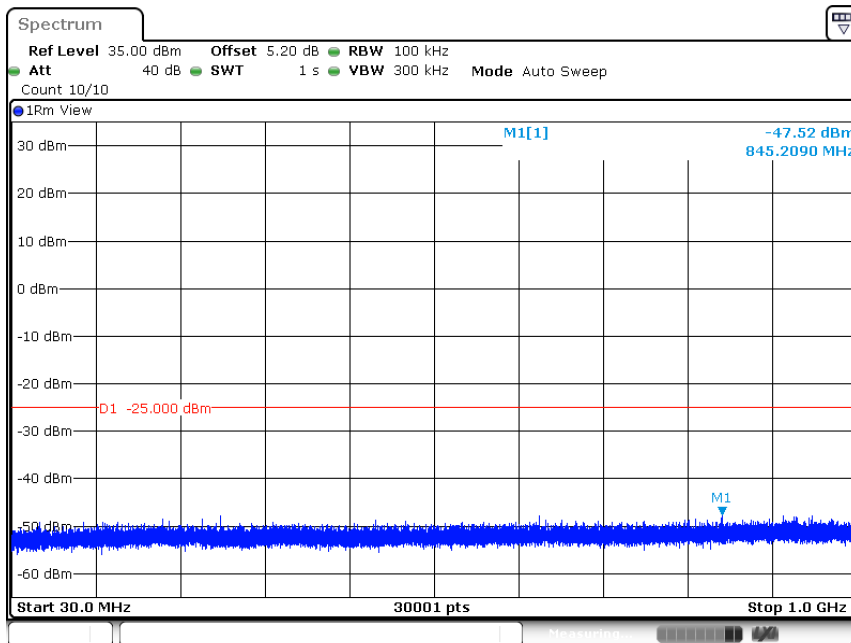
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Band7-20MHz-64QAM-21350-1RB#0-Range2:1000~30000MHz



Date: 14.APR.2021 04:54:24

Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz



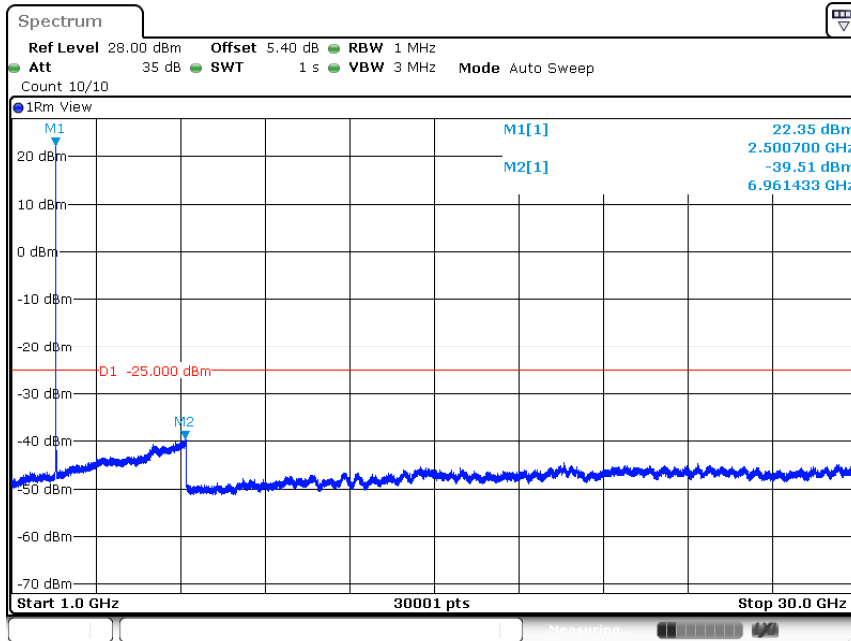
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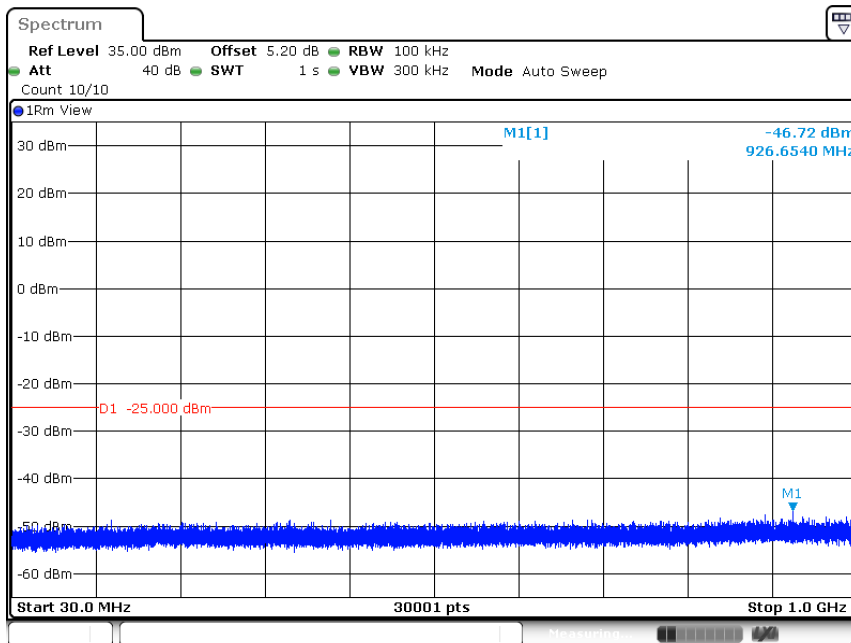
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Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 14.APR.2021 04:15:56

Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz

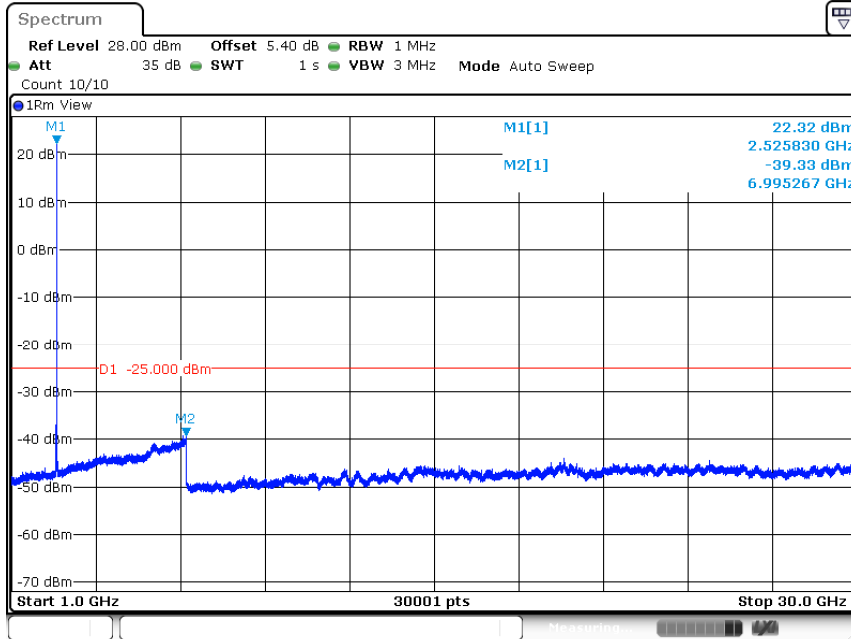


Date: 14.APR.2021 04:16:50



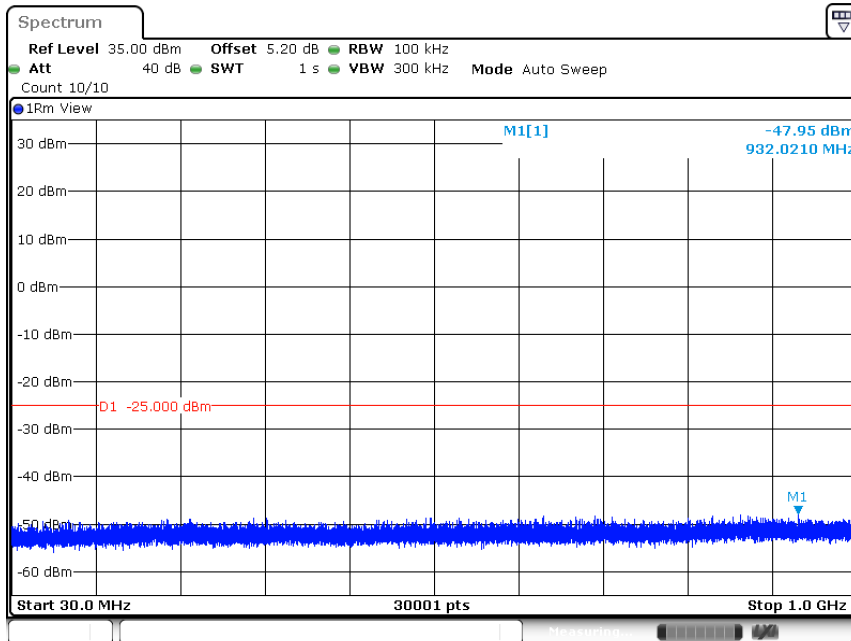
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Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 14.APR.2021 04:17:07

Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz

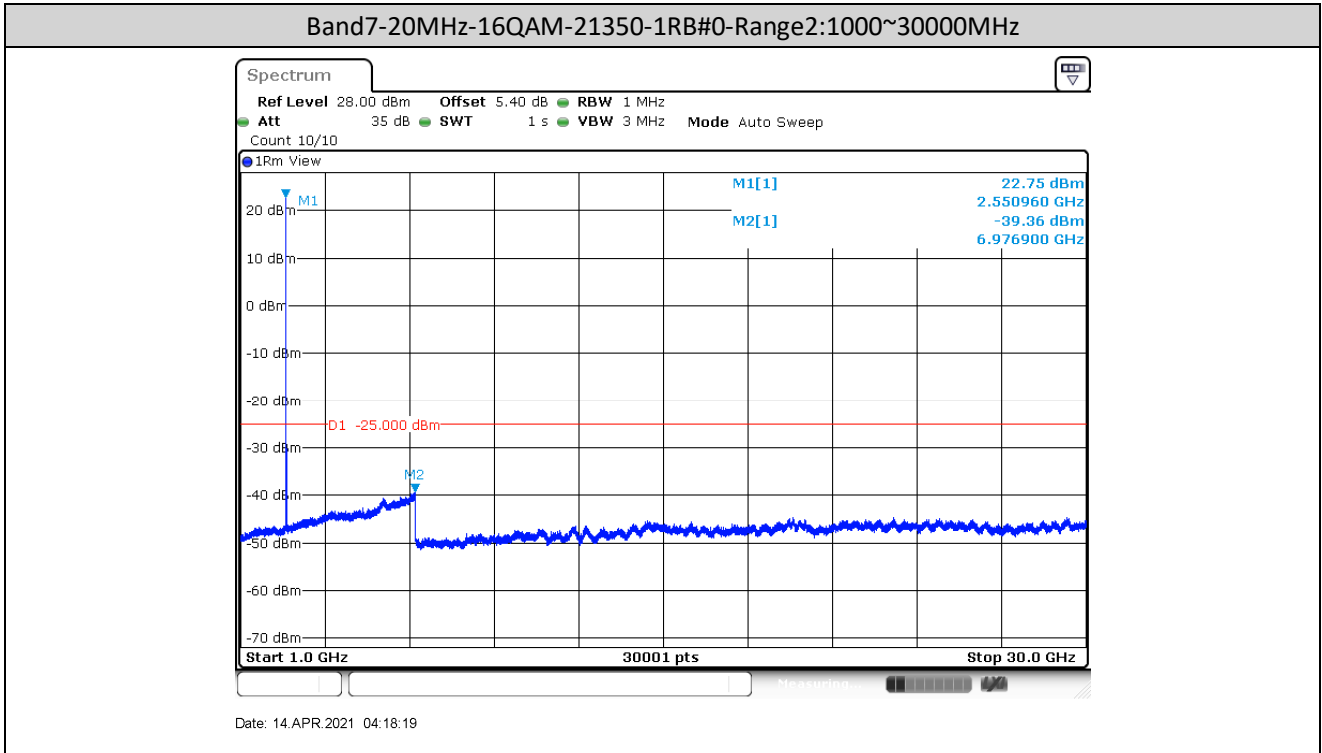


Date: 14.APR.2021 04:18:02



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7. Field Strength of Spurious Radiation

7.1. Test Band LTE_Band7 _TM1 ANT13

7.1.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.9455	-99.00	-89.93	-25.00	64.93	Horizontal
2	232.2703	-98.65	-93.75	-25.00	68.75	Horizontal
3	622.0165	-98.80	-89.05	-25.00	64.05	Horizontal
4	5362.8000	-46.61	-46.03	-25.00	21.03	Horizontal
5	10093.200	-49.34	-42.11	-25.00	17.11	Horizontal
6	16941.000	-50.07	-34.49	-25.00	9.49	Horizontal



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7.2. Test Band LTE_Band7_TM1 ANT13

7.2.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	48.3110	-99.21	-98.66	-25.00	73.66	Vertical
2	111.7327	-99.79	-91.05	-25.00	66.05	Vertical
3	336.6796	-99.55	-95.32	-25.00	70.32	Vertical
4	758.6823	-98.59	-87.21	-25.00	62.21	Vertical
5	5284.2000	-47.09	-46.32	-25.00	21.32	Vertical
6	14814.600	-51.69	-37.89	-25.00	12.89	Vertical



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7.3. Test Band LTE_Band7_TM1 ANT13

7.3.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	45.5219	-99.60	-99.67	-25.00	74.67	Vertical
2	115.7345	-99.45	-91.11	-25.00	66.11	Vertical
3	294.6006	-98.05	-94.79	-25.00	69.79	Vertical
4	613.5279	-97.98	-88.25	-25.00	63.25	Vertical
5	5322.0000	-47.64	-46.86	-25.00	21.86	Vertical
6	14672.400	-52.31	-38.66	-25.00	13.66	Vertical



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7.4. Test Band LTE_Band7_TM1 ANT13

7.4.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.0351	-100.15	-91.23	-25.00	66.23	Horizontal
2	250.3388	-99.32	-94.54	-25.00	69.54	Horizontal
3	621.4102	-98.29	-88.54	-25.00	63.54	Horizontal
4	1377.5000	-84.87	-65.46	-25.00	40.46	Horizontal
5	5256.0000	-47.81	-47.15	-25.00	22.15	Horizontal
6	12909.600	-51.69	-40.33	-25.00	15.33	Horizontal



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7.5. Test Band LTE_Band7_TM1 ANT13

7.5.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	39.2162	-98.80	-90.17	-25.00	65.17	Horizontal
2	247.7922	-98.34	-93.60	-25.00	68.60	Horizontal
3	621.6527	-98.61	-88.86	-25.00	63.86	Horizontal
4	1512.2500	-81.08	-61.51	-25.00	36.51	Horizontal
5	5335.2000	-47.24	-46.16	-25.00	21.16	Horizontal
6	14961.600	-51.80	-39.41	-25.00	14.41	Horizontal



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7.6. Test Band LTE_Band7_TM1 ANT13

7.6.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	50.1300	-99.53	-98.62	-25.00	73.62	Vertical
2	113.3092	-99.96	-91.37	-25.00	66.37	Vertical
3	616.4383	-98.71	-89.04	-25.00	64.04	Vertical
4	5358.0000	-47.42	-47.19	-25.00	22.19	Vertical
5	14943.000	-51.67	-38.39	-25.00	13.39	Vertical
6	17931.000	-50.19	-31.04	-25.00	6.04	Vertical



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7.7. Test Band LTE_Band7 _TM1 ANT31

7.7.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.0286	-97.57	-66.89	-25.00	41.89	Horizontal
2	94.2657	-93.85	-76.05	-25.00	51.05	Horizontal
3	234.9227	-96.50	-71.69	-25.00	46.69	Horizontal
4	717.4734	-96.39	-68.68	-25.00	43.68	Horizontal
5	5272.2000	-47.75	-46.74	-25.00	21.74	Horizontal
6	14553.000	-52.00	-39.30	-25.00	14.30	Horizontal



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7.8. Test Band LTE_Band7_TM1 ANT31

7.8.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.6292	-94.89	-74.56	-25.00	49.56	Vertical
2	111.0476	-96.24	-66.93	-25.00	41.93	Vertical
3	291.6221	-95.55	-72.63	-25.00	47.63	Vertical
4	624.5427	-95.46	-68.61	-25.00	43.61	Vertical
5	5258.4000	-47.67	-47.41	-25.00	22.41	Vertical
6	14849.400	-51.49	-38.08	-25.00	13.08	Vertical



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7.9. Test Band LTE_Band7 _TM1 ANT31

7.9.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.5453	-90.52	-58.14	-25.00	33.14	Horizontal
2	248.1207	-89.49	-61.45	-25.00	36.45	Horizontal
3	994.2447	-90.16	-51.37	-25.00	26.37	Horizontal
4	5290.2916	-56.07	-54.67	-25.00	29.67	Horizontal
5	16432.137	-58.57	-44.00	-25.00	19.00	Horizontal
6	17993.399	-59.35	-44.63	-25.00	19.63	Horizontal



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7.10. Test Band LTE_Band7_TM1 ANT31

7.10.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	50.4347	-90.35	-66.21	-25.00	41.21	Vertical
2	104.9487	-90.77	-60.08	-25.00	35.08	Vertical
3	570.9367	-89.89	-59.73	-25.00	34.73	Vertical
4	5305.8922	-56.15	-55.15	-25.00	30.15	Vertical
5	14783.271	-60.54	-47.05	-25.00	22.05	Vertical
6	17995.199	-59.38	-39.93	-25.00	14.93	Vertical



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7.11. Test Band LTE_Band7 _TM1 ANT31

7.11.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.5800	-91.37	-58.96	-25.00	33.96	Horizontal
2	241.5893	-89.60	-61.30	-25.00	36.30	Horizontal
3	1499.1400	-78.91	-59.17	-25.00	34.17	Horizontal
4	5312.4925	-55.90	-54.48	-25.00	29.48	Horizontal
5	10928.717	-59.65	-51.03	-25.00	26.03	Horizontal
6	16424.337	-58.54	-43.65	-25.00	18.65	Horizontal



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7.12. Test Band LTE_Band7_TM1 ANT31

7.12.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	114.0020	-90.54	-58.96	-25.00	33.96	Vertical
2	336.7787	-89.70	-62.36	-25.00	37.36	Vertical
3	601.9120	-89.72	-58.21	-25.00	33.21	Vertical
4	5299.2920	-55.83	-54.76	-25.00	29.76	Vertical
5	14791.671	-60.65	-46.92	-25.00	21.92	Vertical
6	17989.199	-59.43	-39.96	-25.00	14.96	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
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	11.20	0.004462	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	9.80	0.003904	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	3.00	0.001195	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	8.40	0.003314	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	9.20	0.003629	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	1.80	0.000710	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	6.20	0.002422	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	12.90	0.005039	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	7.90	0.003086	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	8.20	0.003267	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	10.10	0.004024	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	10.80	0.004303	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	8.40	0.003314	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	10.20	0.004024	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VH	NT	6.60	0.002604	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	11.80	0.004609	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	10.70	0.004180	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	5.60	0.002188	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	10.10	0.004024	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	2.80	0.001116	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	10.80	0.004303	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	5.50	0.002170	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	7.50	0.002959	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	9.90	0.003905	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	7.10	0.002773	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	7.70	0.003008	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	11.00	0.004297	±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
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	6.80	0.002709	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	10.70	0.004263	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	9.00	0.003586	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	14.20	0.005657	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	13.20	0.005259	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	12.30	0.004900	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	11.10	0.004422	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	12.60	0.005020	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	9.30	0.003705	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	6.30	0.002485	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	5.40	0.002130	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	9.10	0.003590	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	5.50	0.002170	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	10.20	0.004024	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	11.30	0.004458	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	11.20	0.004418	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	5.60	0.002209	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	9.90	0.003905	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	8.20	0.003203	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	9.80	0.003828	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	10.20	0.003984	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	9.40	0.003672	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	5.60	0.002188	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	10.20	0.003984	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	10.20	0.003984	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	10.00	0.003906	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	9.50	0.003711	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	9.40	0.003745	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	13.20	0.005259	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-10	4.50	0.001793	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	6.20	0.002470	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	7.90	0.003147	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	6.10	0.002430	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	10.20	0.004064	±2.5	PASS



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Band7	20MHz	64QAM	20850	100RB#0	NV	40	8.30	0.003307	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	8.10	0.003227	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	-0.40	-0.000158	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	3.40	0.001341	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-10	3.40	0.001341	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	0	3.50	0.001381	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	10	8.10	0.003195	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	20	6.40	0.002525	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	9.20	0.003629	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	40	8.60	0.003393	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	0.20	0.000079	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	8.40	0.003281	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	10.60	0.004141	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-10	8.30	0.003242	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	8.40	0.003281	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	5.90	0.002305	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	6.80	0.002656	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	9.00	0.003516	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	8.20	0.003203	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	3.60	0.001406	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	15.50	0.006175	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	10.60	0.004223	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-10	9.20	0.003665	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	13.40	0.005339	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	9.10	0.003625	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	8.60	0.003426	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	8.90	0.003546	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	8.70	0.003466	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	5.70	0.002271	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	5.60	0.002209	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	11.10	0.004379	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-10	6.70	0.002643	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	11.50	0.004536	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	5.40	0.002130	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	6.90	0.002722	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	3.70	0.001460	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	1.50	0.000592	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	4.20	0.001657	±2.5	PASS



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Band7	20MHz	16QAM	21350	100RB#0	NV	-30	9.40	0.003672	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	4.30	0.001680	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-10	9.10	0.003555	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	6.90	0.002695	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	9.80	0.003828	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	3.90	0.001523	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	5.80	0.002266	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	5.60	0.002188	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	5.50	0.002148	±2.5	PASS



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