Appendix B

E-UTRA Band 7

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1 Effective (Isotropic) Radiated Power

Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.02	23.65	34.77	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.90	23.53	34.77	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.73	23.36	34.77	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.01	22.64	34.77	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.19	22.82	34.77	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.05	22.68	34.77	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.12	22.75	34.77	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.85	23.48	34.77	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.76	23.39	34.77	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.79	23.42	34.77	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.94	22.57	34.77	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.89	22.52	34.77	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.80	22.43	34.77	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.86	22.49	34.77	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.73	23.36	34.77	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.66	23.29	34.77	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.60	23.23	34.77	PASS
Band7	5MHz	QPSK	21425	12RB#0	22.02	22.65	34.77	PASS
Band7	5MHz	QPSK	21425	12RB#6	22.01	22.64	34.77	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.98	22.61	34.77	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.03	22.66	34.77	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.74	22.37	34.77	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.82	22.45	34.77	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.39	22.02	34.77	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.87	21.5	34.77	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.87	21.5	34.77	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.92	21.55	34.77	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.16	21.79	34.77	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.50	22.13	34.77	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.37	22	34.77	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.37	22	34.77	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.77	21.4	34.77	PASS

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Band7	5MHz	16QAM	21100	12RB#6	20.75	21.38	34.77	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.75	21.38	34.77	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.88	21.51	34.77	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.14	22.77	34.77	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.75	22.38	34.77	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.81	22.44	34.77	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.83	21.46	34.77	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.87	21.5	34.77	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.16	21.79	34.77	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.19	21.82	34.77	PASS
Band7	5MHz	64QAM	20775	1RB#0	21.01	21.64	34.77	PASS
Band7	5MHz	64QAM	20775	1RB#12	20.90	21.53	34.77	PASS
Band7	5MHz	64QAM	20775	1RB#24	20.70	21.33	34.77	PASS
Band7	5MHz	64QAM	20775	12RB#0	19.99	20.62	34.77	PASS
Band7	5MHz	64QAM	20775	12RB#6	20.19	20.82	34.77	PASS
Band7	5MHz	64QAM	20775	12RB#13	20.04	20.67	34.77	PASS
Band7	5MHz	64QAM	20775	25RB#0	20.11	20.74	34.77	PASS
Band7	5MHz	64QAM	21100	1RB#0	20.76	21.39	34.77	PASS
Band7	5MHz	64QAM	21100	1RB#12	20.72	21.35	34.77	PASS
Band7	5MHz	64QAM	21100	1RB#24	20.72	21.35	34.77	PASS
Band7	5MHz	64QAM	21100	12RB#0	19.84	20.47	34.77	PASS
Band7	5MHz	64QAM	21100	12RB#6	19.88	20.51	34.77	PASS
Band7	5MHz	64QAM	21100	12RB#13	19.70	20.33	34.77	PASS
Band7	5MHz	64QAM	21100	25RB#0	19.81	20.44	34.77	PASS
Band7	5MHz	64QAM	21425	1RB#0	20.69	21.32	34.77	PASS
Band7	5MHz	64QAM	21425	1RB#12	20.66	21.29	34.77	PASS
Band7	5MHz	64QAM	21425	1RB#24	20.53	21.16	34.77	PASS
Band7	5MHz	64QAM	21425	12RB#0	20.01	20.64	34.77	PASS
Band7	5MHz	64QAM	21425	12RB#6	19.93	20.56	34.77	PASS
Band7	5MHz	64QAM	21425	12RB#13	19.95	20.58	34.77	PASS
Band7	5MHz	64QAM	21425	25RB#0	19.98	20.61	34.77	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.62	23.25	34.77	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.68	23.31	34.77	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.91	23.54	34.77	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.66	22.29	34.77	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.62	22.25	34.77	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.83	22.46	34.77	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.65	22.28	34.77	PASS

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Band7	10MHz	QPSK	21100	1RB#0	23.34	23.97	34.77	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.50	24.13	34.77	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.47	24.1	34.77	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.52	23.15	34.77	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.52	23.15	34.77	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.60	23.23	34.77	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.58	23.21	34.77	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.80	24.43	34.77	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.57	24.2	34.77	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.56	24.19	34.77	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.86	23.49	34.77	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.79	23.42	34.77	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.75	23.38	34.77	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.72	23.35	34.77	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.86	22.49	34.77	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.01	22.64	34.77	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.98	22.61	34.77	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.63	21.26	34.77	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.73	21.36	34.77	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.97	21.6	34.77	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.76	21.39	34.77	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.49	23.12	34.77	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.40	23.03	34.77	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.31	22.94	34.77	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.70	22.33	34.77	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.70	22.33	34.77	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.69	22.32	34.77	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.65	22.28	34.77	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.57	23.2	34.77	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.53	23.16	34.77	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.65	23.28	34.77	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.88	22.51	34.77	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.77	22.4	34.77	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.82	22.45	34.77	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.90	22.53	34.77	PASS
Band7	10MHz	64QAM	20800	1RB#0	20.60	21.23	34.77	PASS
Band7	10MHz	64QAM	20800	1RB#24	20.62	21.25	34.77	PASS
Band7	10MHz	64QAM	20800	1RB#49	20.85	21.48	34.77	PASS

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Band7	10MHz	64QAM	20800	25RB#0	19.56	20.19	34.77	PASS
Band7	10MHz	64QAM	20800	25RB#12	19.61	20.24	34.77	PASS
Band7	10MHz	64QAM	20800	25RB#25	19.78	20.41	34.77	PASS
Band7	10MHz	64QAM	20800	50RB#0	19.60	20.23	34.77	PASS
Band7	10MHz	64QAM	21100	1RB#0	21.33	21.96	34.77	PASS
Band7	10MHz	64QAM	21100	1RB#24	21.45	22.08	34.77	PASS
Band7	10MHz	64QAM	21100	1RB#49	21.44	22.07	34.77	PASS
Band7	10MHz	64QAM	21100	25RB#0	20.52	21.15	34.77	PASS
Band7	10MHz	64QAM	21100	25RB#12	20.49	21.12	34.77	PASS
Band7	10MHz	64QAM	21100	25RB#25	20.59	21.22	34.77	PASS
Band7	10MHz	64QAM	21100	50RB#0	20.54	21.17	34.77	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.79	22.42	34.77	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.54	22.17	34.77	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.47	22.1	34.77	PASS
Band7	10MHz	64QAM	21400	25RB#0	20.84	21.47	34.77	PASS
Band7	10MHz	64QAM	21400	25RB#12	20.74	21.37	34.77	PASS
Band7	10MHz	64QAM	21400	25RB#25	20.67	21.3	34.77	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.69	21.32	34.77	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.69	23.32	34.77	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.78	23.41	34.77	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.05	23.68	34.77	PASS
Band7	15MHz	QPSK	20825	38RB#0	21.64	22.27	34.77	PASS
Band7	15MHz	QPSK	20825	38RB#18	21.69	22.32	34.77	PASS
Band7	15MHz	QPSK	20825	38RB#37	22.02	22.65	34.77	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.83	22.46	34.77	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.29	23.92	34.77	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.39	24.02	34.77	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.82	24.45	34.77	PASS
Band7	15MHz	QPSK	21100	38RB#0	22.63	23.26	34.77	PASS
Band7	15MHz	QPSK	21100	38RB#18	22.56	23.19	34.77	PASS
Band7	15MHz	QPSK	21100	38RB#37	22.59	23.22	34.77	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.55	23.18	34.77	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.78	24.41	34.77	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.69	24.32	34.77	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.70	24.33	34.77	PASS
Band7	15MHz	QPSK	21375	38RB#0	22.89	23.52	34.77	PASS
Band7	15MHz	QPSK	21375	38RB#18	22.78	23.41	34.77	PASS
Band7	15MHz	QPSK	21375	38RB#37	22.70	23.33	34.77	PASS

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Band7	15MHz	QPSK	21375	75RB#0	22.77	23.4	34.77	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.96	22.59	34.77	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.04	22.67	34.77	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.80	22.43	34.77	PASS
Band7	15MHz	16QAM	20825	38RB#0	20.77	21.4	34.77	PASS
Band7	15MHz	16QAM	20825	38RB#18	20.87	21.5	34.77	PASS
Band7	15MHz	16QAM	20825	38RB#37	21.04	21.67	34.77	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.07	21.7	34.77	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.80	23.43	34.77	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.14	22.77	34.77	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.28	22.91	34.77	PASS
Band7	15MHz	16QAM	21100	38RB#0	21.44	22.07	34.77	PASS
Band7	15MHz	16QAM	21100	38RB#18	21.51	22.14	34.77	PASS
Band7	15MHz	16QAM	21100	38RB#37	21.61	22.24	34.77	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.63	22.26	34.77	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.52	23.15	34.77	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.52	23.15	34.77	PASS
Band7	15MHz	16QAM	21375	1RB#74	22.40	23.03	34.77	PASS
Band7	15MHz	16QAM	21375	38RB#0	21.80	22.43	34.77	PASS
Band7	15MHz	16QAM	21375	38RB#18	21.85	22.48	34.77	PASS
Band7	15MHz	16QAM	21375	38RB#37	21.71	22.34	34.77	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.85	22.48	34.77	PASS
Band7	15MHz	64QAM	20825	1RB#0	20.60	21.23	34.77	PASS
Band7	15MHz	64QAM	20825	1RB#38	20.71	21.34	34.77	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.04	21.67	34.77	PASS
Band7	15MHz	64QAM	20825	38RB#0	19.54	20.17	34.77	PASS
Band7	15MHz	64QAM	20825	38RB#18	19.67	20.3	34.77	PASS
Band7	15MHz	64QAM	20825	38RB#37	20.01	20.64	34.77	PASS
Band7	15MHz	64QAM	20825	75RB#0	19.80	20.43	34.77	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.22	21.85	34.77	PASS
Band7	15MHz	64QAM	21100	1RB#38	21.37	22	34.77	PASS
Band7	15MHz	64QAM	21100	1RB#74	21.75	22.38	34.77	PASS
Band7	15MHz	64QAM	21100	38RB#0	20.62	21.25	34.77	PASS
Band7	15MHz	64QAM	21100	38RB#18	20.51	21.14	34.77	PASS
Band7	15MHz	64QAM	21100	38RB#37	20.58	21.21	34.77	PASS
Band7	15MHz	64QAM	21100	75RB#0	20.55	21.18	34.77	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.69	22.32	34.77	PASS
Band7	15MHz	64QAM	21375	1RB#38	21.61	22.24	34.77	PASS

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Band7	15MHz	64QAM	21375	1RB#74	21.67	22.3	34.77	PASS
Band7	15MHz	64QAM	21375	38RB#0	20.88	21.51	34.77	PASS
Band7	15MHz	64QAM	21375	38RB#18	20.73	21.36	34.77	PASS
Band7	15MHz	64QAM	21375	38RB#37	20.62	21.25	34.77	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.75	21.38	34.77	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.66	23.29	34.77	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.90	23.53	34.77	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.97	23.6	34.77	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.59	22.22	34.77	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.85	22.48	34.77	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.78	22.41	34.77	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.78	22.41	34.77	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.26	23.89	34.77	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.52	24.15	34.77	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.75	24.38	34.77	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.42	23.05	34.77	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.44	23.07	34.77	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.39	23.02	34.77	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.43	23.06	34.77	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.50	24.13	34.77	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.70	24.33	34.77	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.55	24.18	34.77	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.68	23.31	34.77	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.70	23.33	34.77	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.68	23.31	34.77	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.72	23.35	34.77	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.23	21.86	34.77	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.55	22.18	34.77	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.32	21.95	34.77	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.63	21.26	34.77	PASS
Band7	20MHz	16QAM	20850	50RB#25	20.93	21.56	34.77	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.24	21.87	34.77	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.06	21.69	34.77	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.87	22.5	34.77	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.16	22.79	34.77	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.07	22.7	34.77	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.49	22.12	34.77	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.50	22.13	34.77	PASS

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Band7	20MHz	16QAM	21100	50RB#50	21.53	22.16	34.77	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.40	22.03	34.77	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.19	22.82	34.77	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.52	23.15	34.77	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.19	22.82	34.77	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.82	22.45	34.77	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.72	22.35	34.77	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.78	22.41	34.77	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.73	22.36	34.77	PASS
Band7	20MHz	64QAM	20850	1RB#0	20.63	21.26	34.77	PASS
Band7	20MHz	64QAM	20850	1RB#49	20.84	21.47	34.77	PASS
Band7	20MHz	64QAM	20850	1RB#99	20.97	21.6	34.77	PASS
Band7	20MHz	64QAM	20850	50RB#0	19.57	20.2	34.77	PASS
Band7	20MHz	64QAM	20850	50RB#25	19.84	20.47	34.77	PASS
Band7	20MHz	64QAM	20850	50RB#50	19.78	20.41	34.77	PASS
Band7	20MHz	64QAM	20850	100RB#0	19.76	20.39	34.77	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.22	21.85	34.77	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.44	22.07	34.77	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.68	22.31	34.77	PASS
Band7	20MHz	64QAM	21100	50RB#0	20.36	20.99	34.77	PASS
Band7	20MHz	64QAM	21100	50RB#25	20.37	21	34.77	PASS
Band7	20MHz	64QAM	21100	50RB#50	20.36	20.99	34.77	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.34	20.97	34.77	PASS
Band7	20MHz	64QAM	21350	1RB#0	21.42	22.05	34.77	PASS
Band7	20MHz	64QAM	21350	1RB#49	21.62	22.25	34.77	PASS
Band7	20MHz	64QAM	21350	1RB#99	21.50	22.13	34.77	PASS
Band7	20MHz	64QAM	21350	50RB#0	20.65	21.28	34.77	PASS
Band7	20MHz	64QAM	21350	50RB#25	20.70	21.33	34.77	PASS
Band7	20MHz	64QAM	21350	50RB#50	20.63	21.26	34.77	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.70	21.33	34.77	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]

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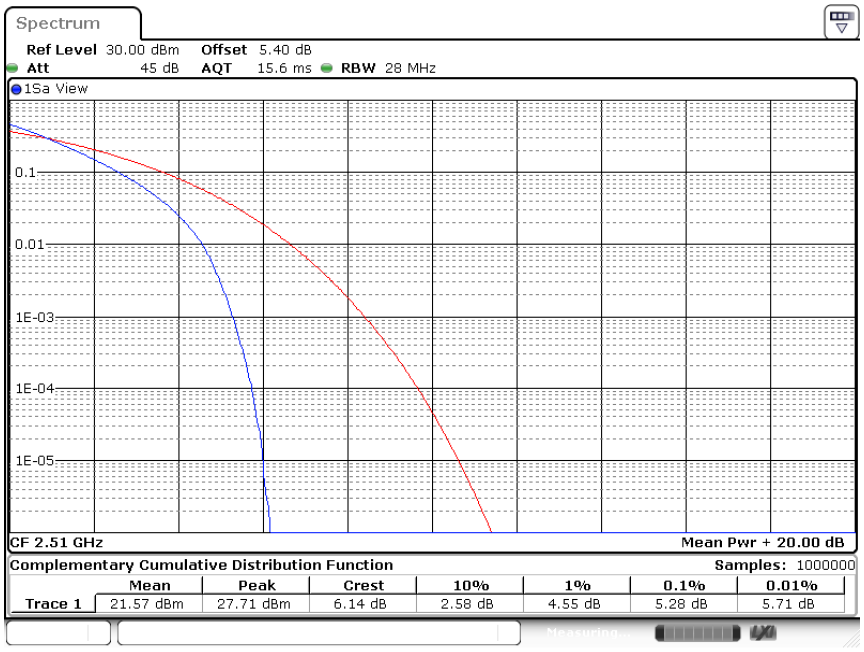
2 Peak-to-Average Ratio (CCDF)

2.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.28	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.51	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.45	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.23	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.46	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.38	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.99	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	7.13	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	7.10	13	PASS

2.2 Test Plots

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



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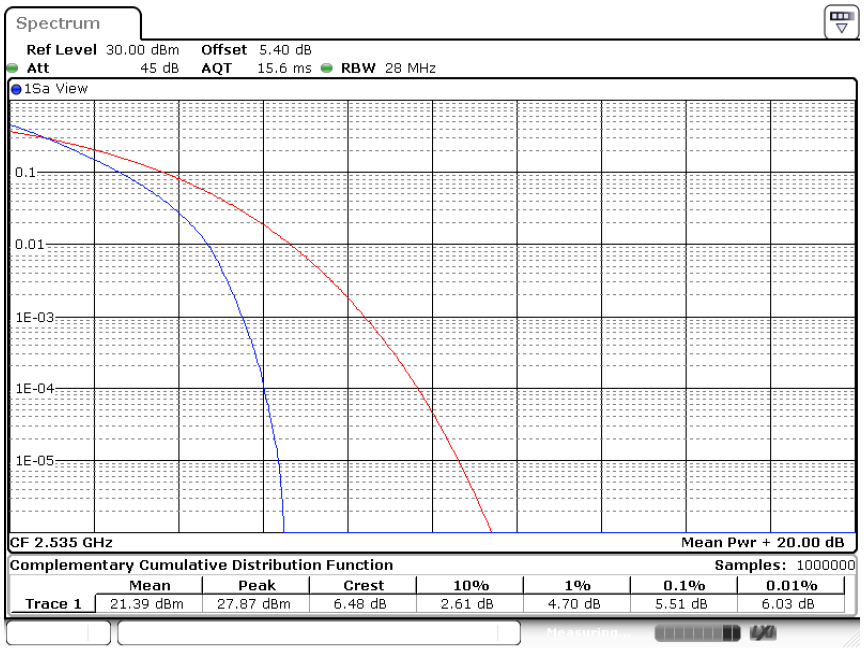
Band7-20MHz-QPSK-21100-100RB#0



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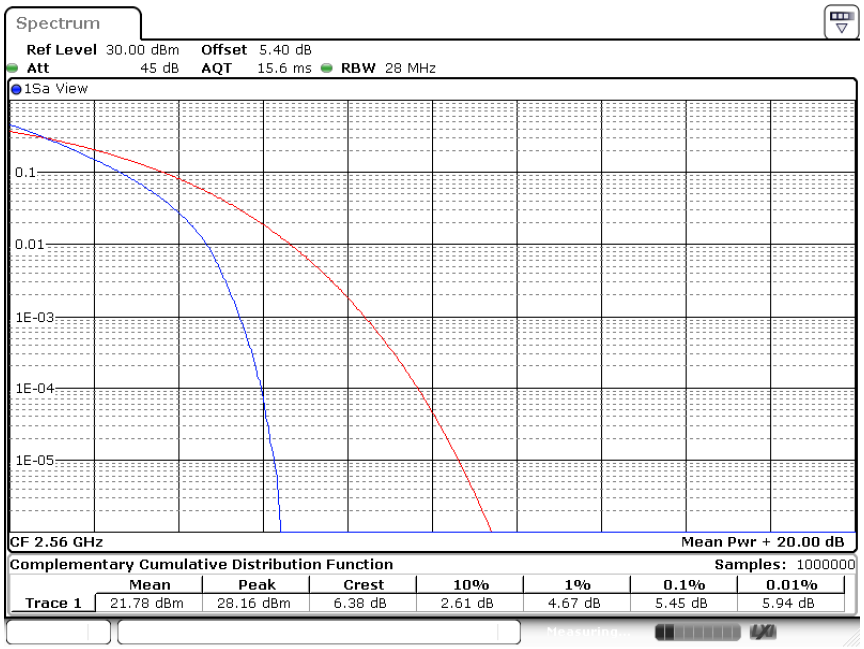
Band7-20MHz-QPSK-21350-100RB#0



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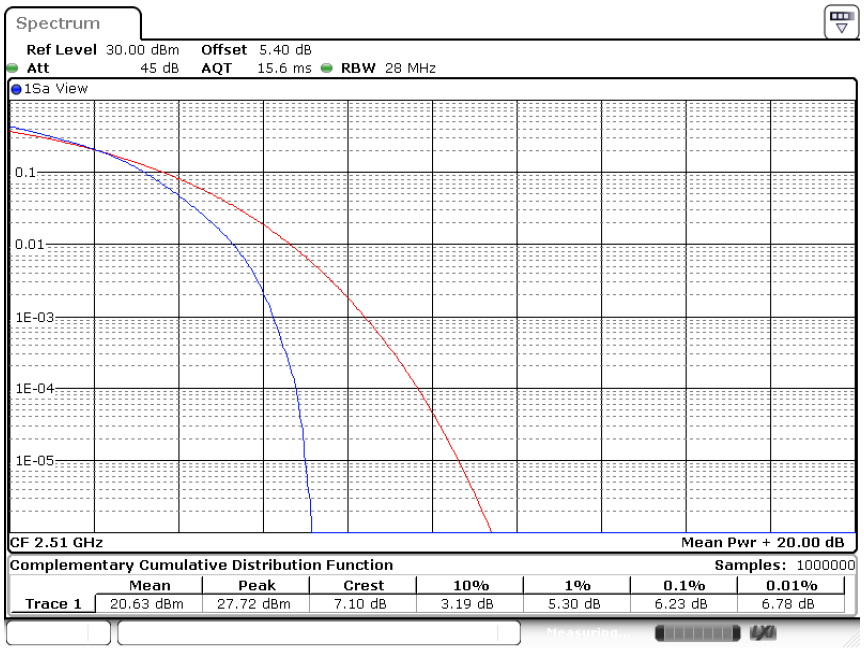

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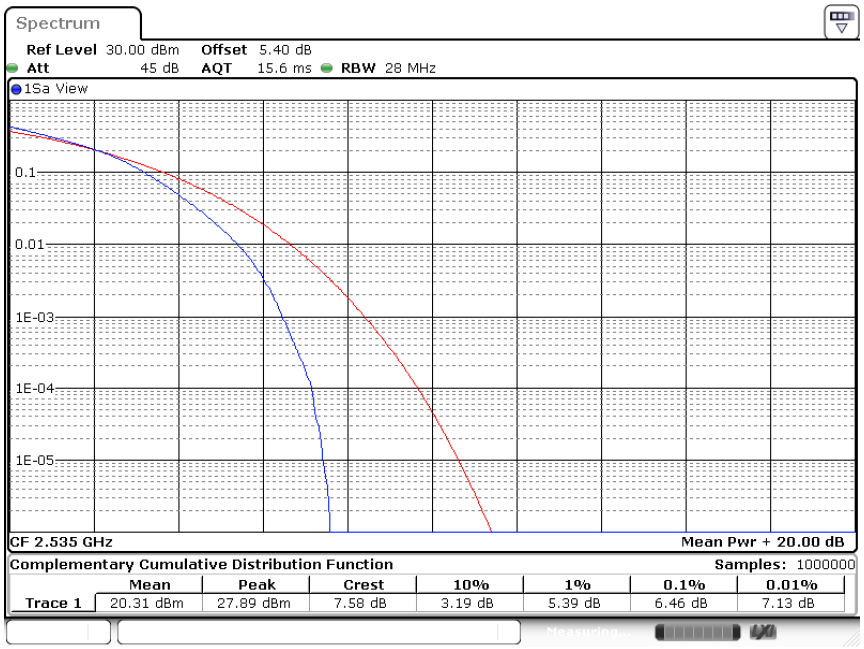
Band7-20MHz-16QAM-21100-100RB#0



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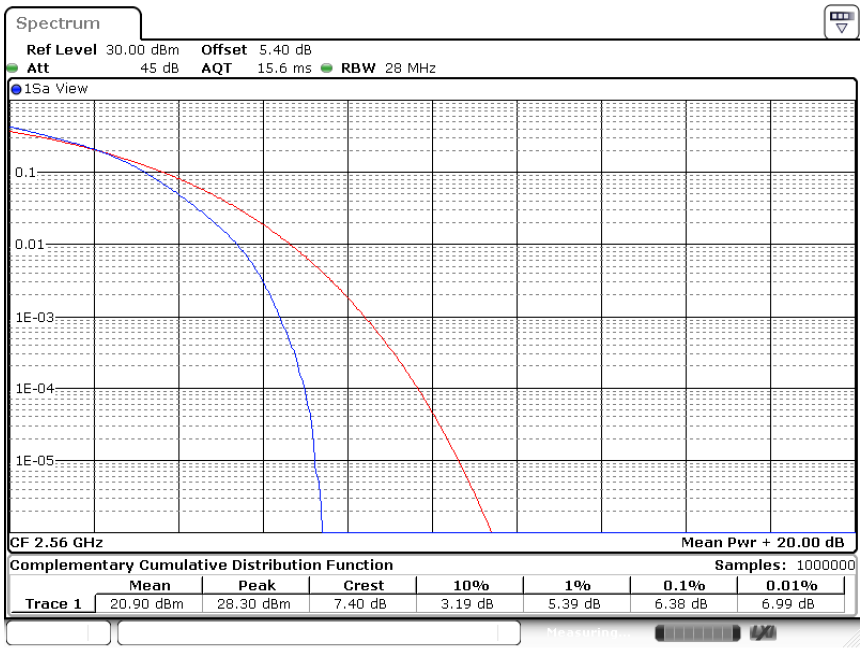

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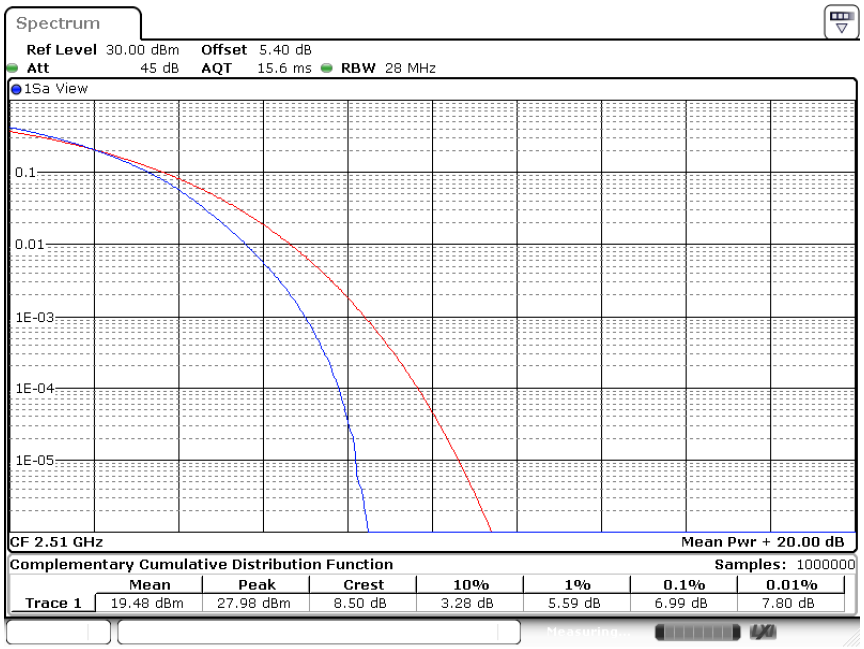
Band7-20MHz-64QAM-20850-100RB#0



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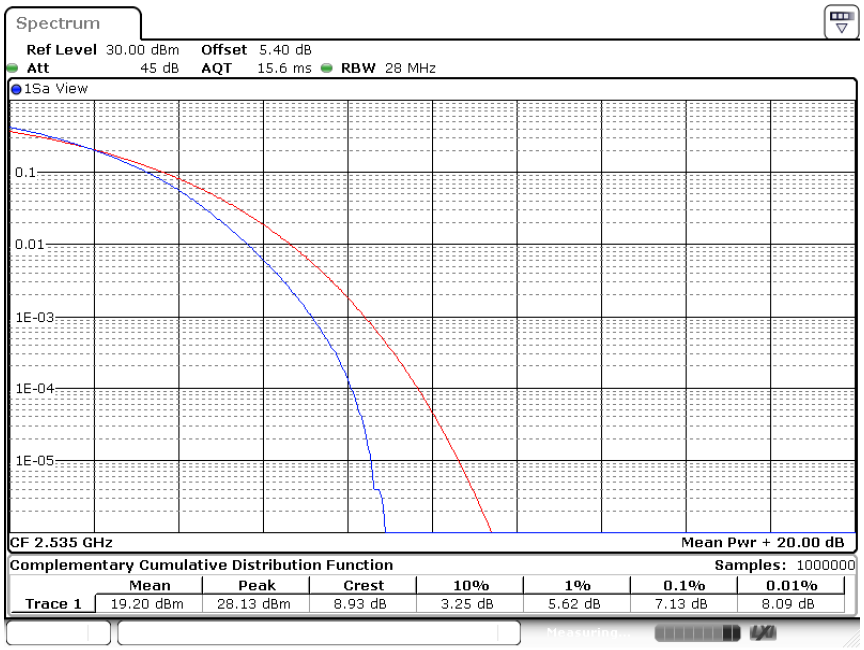
Band7-20MHz-64QAM-21100-100RB#0



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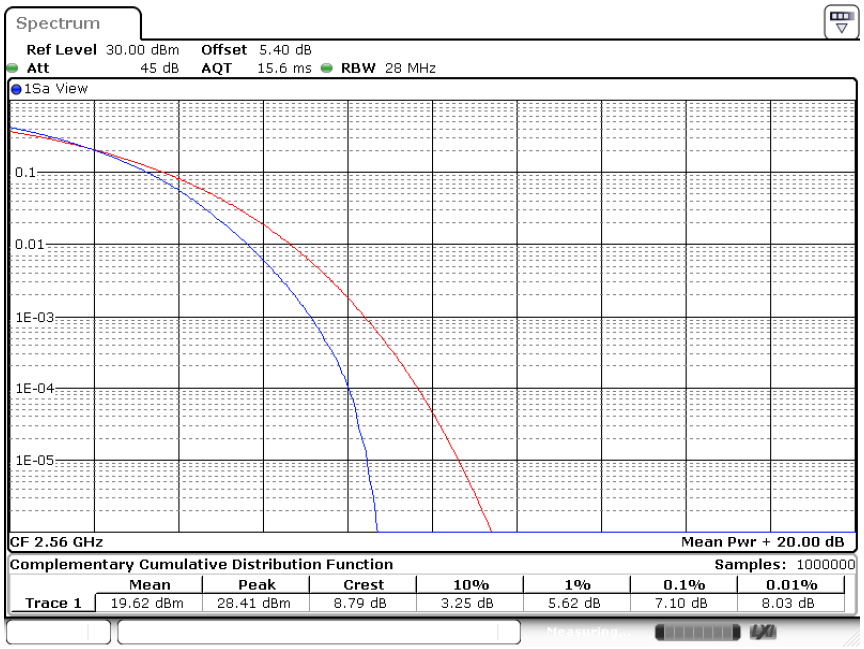
Band7-20MHz-64QAM-21350-100RB#0



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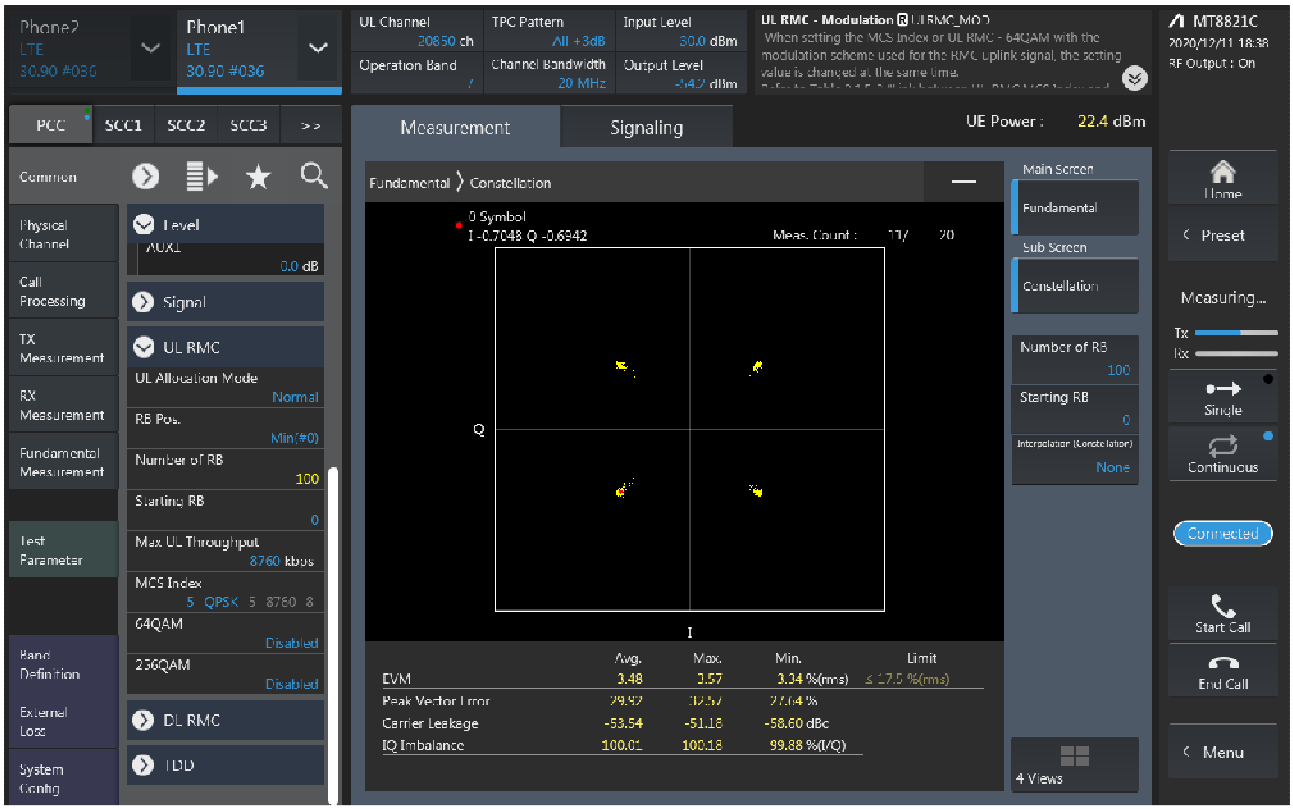
3 Modulation Characteristics

3.1 Test Mode = LTE /TM1 20MHz

3.1.1 Test Channel = MCH



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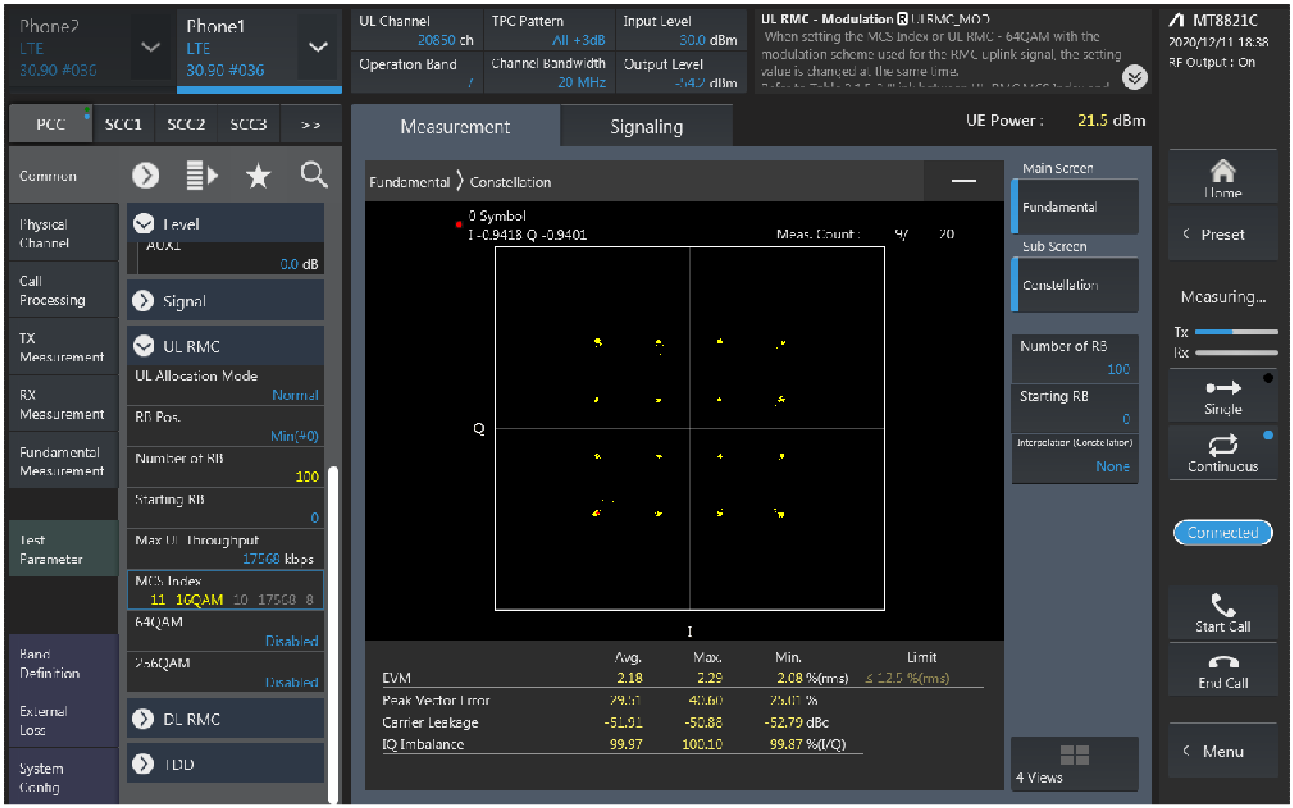
3.2 Test Mode = LTE /TM2 20MHz

3.2.1 Test Channel = MCH



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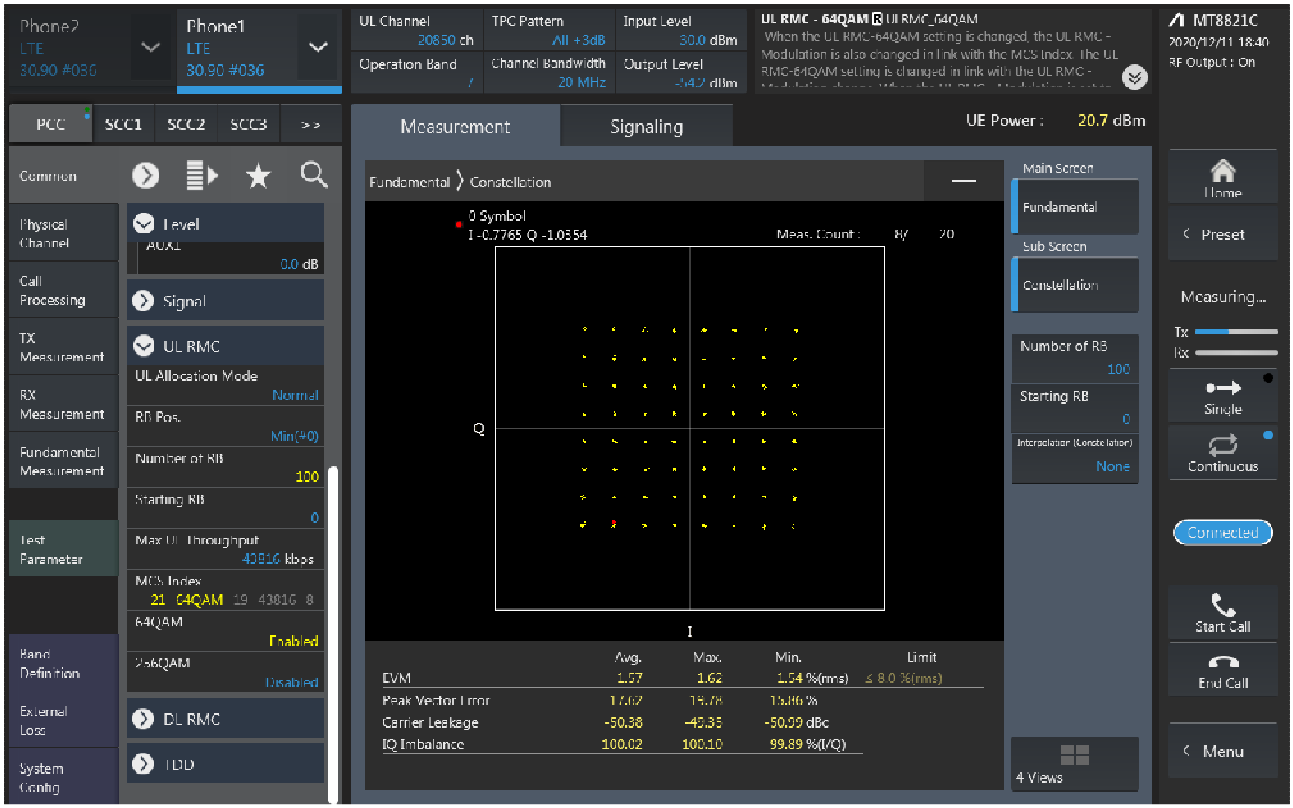
3.3 Test Mode = LTE /TM3 20MHz

3.3.1 Test Channel = MCH



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4 26dB Bandwidth and Occupied Bandwidth

4.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.476	4.930	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.930	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.940	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.496	4.950	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.486	4.930	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.496	4.930	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.476	4.930	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.476	4.930	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.476	4.930	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.931	9.720	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.931	9.720	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.931	9.700	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.931	9.740	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.911	9.760	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.911	9.720	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.911	9.640	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.911	9.680	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.911	9.720	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.427	14.730	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.427	14.670	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.457	14.730	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.427	14.700	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.427	14.760	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.427	14.670	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.427	14.790	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.427	14.850	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.427	14.820	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.862	19.360	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.862	19.360	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.862	19.400	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.862	19.400	PASS

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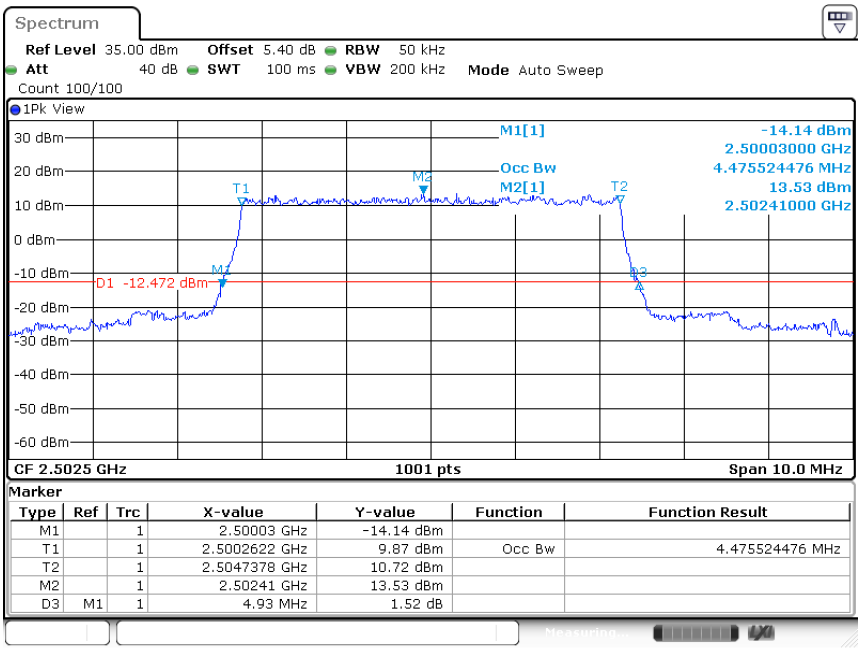
Band7	20MHz	16QAM	21100	100RB#0	17.862	19.440	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.862	19.360	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.902	19.320	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.862	19.520	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.862	19.520	PASS

4.2 Test Plots

Band7-5MHz-QPSK-20775-25RB#0-4.476



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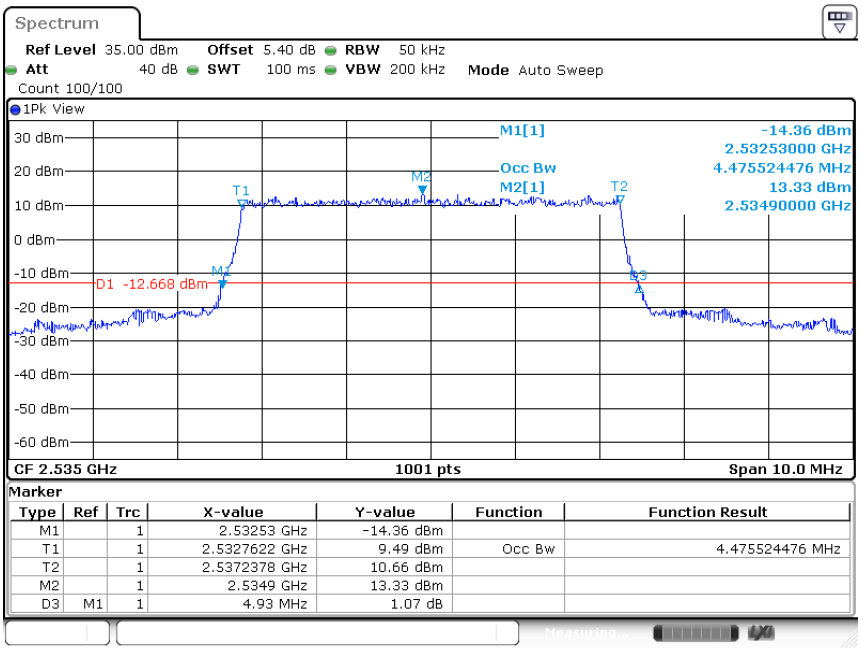

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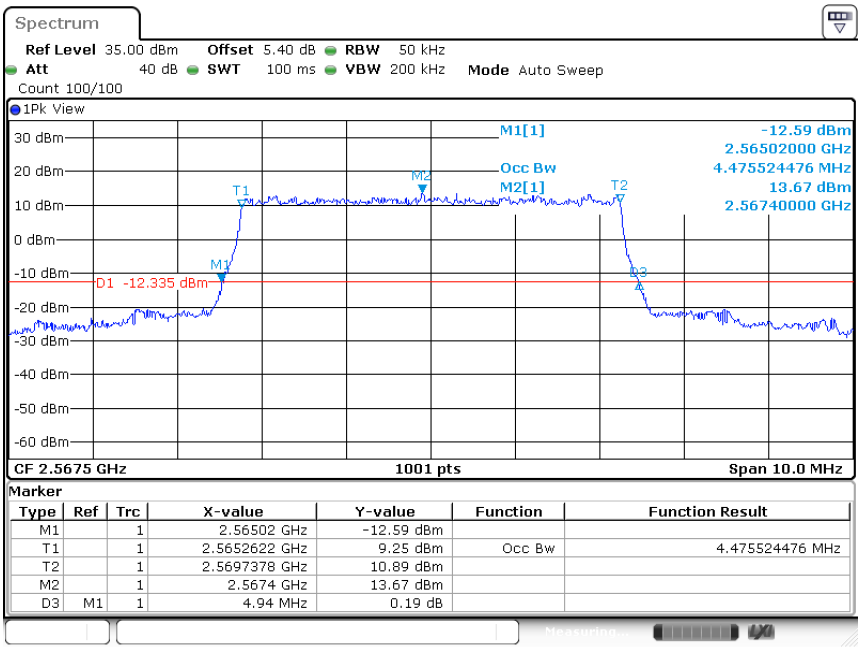

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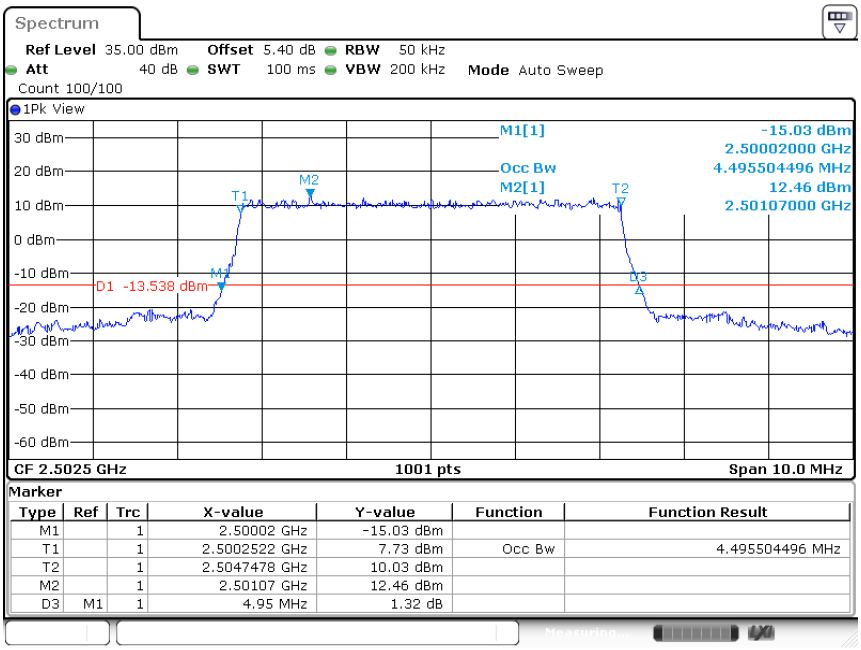
Band7-5MHz-16QAM-20775-25RB#0-4.496



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50002 GHz	-15.03 dBm		
T1		1	2.5002522 GHz	7.73 dBm	Occ Bw	4.495504496 MHz
T2		1	2.5047478 GHz	10.03 dBm		
M2		1	2.50107 GHz	12.46 dBm		
D3	M1	1	4.95 MHz	1.32 dB		

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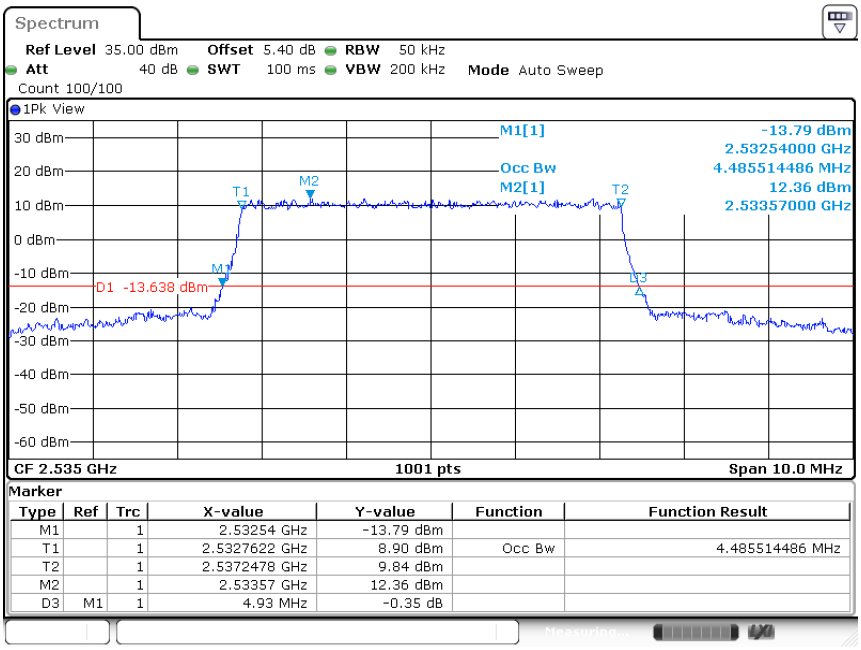
Band7-5MHz-16QAM-21100-25RB#0-4.486



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53254 GHz	-13.79 dBm		
T1		1	2.5327622 GHz	8.90 dBm	Occ Bw	4.485514486 MHz
T2		1	2.5372478 GHz	9.84 dBm		
M2		1	2.53357 GHz	12.36 dBm		
D3	M1	1	4.93 MHz	-0.35 dB		

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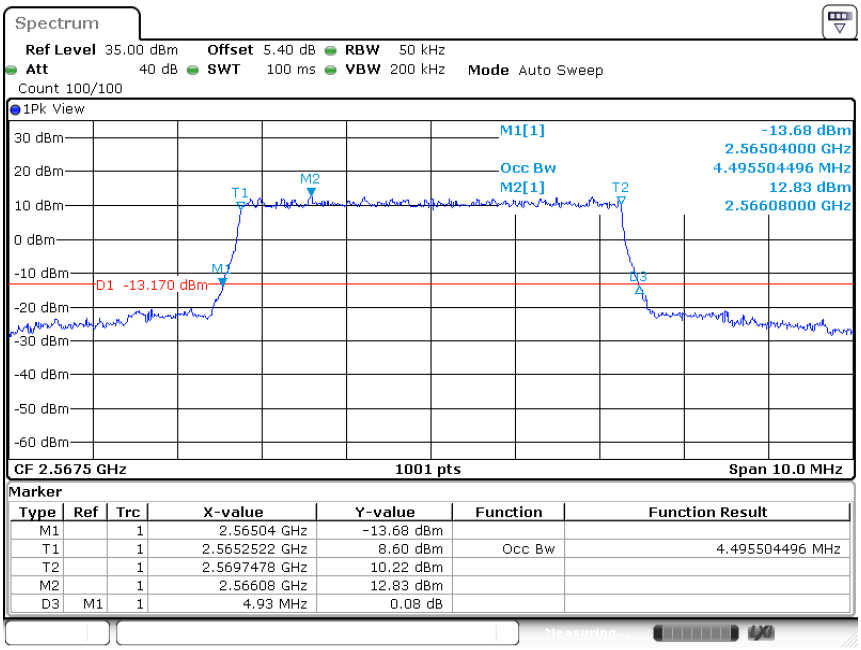

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.56504 GHz	-13.68 dBm		
T1		1	2.5652522 GHz	8.60 dBm	Occ Bw	4.495504496 MHz
T2		1	2.5697478 GHz	10.22 dBm		
M2		1	2.56608 GHz	12.83 dBm		
D3	M1	1	4.93 MHz	0.08 dB		

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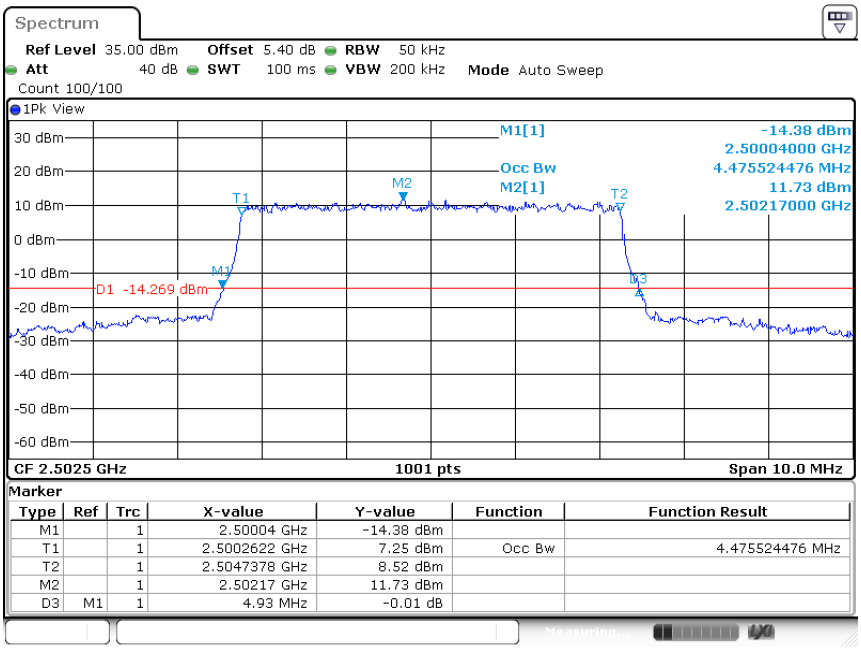

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50004 GHz	-14.38 dBm		
T1		1	2.5002622 GHz	7.25 dBm	Occ Bw	4.475524476 MHz
T2		1	2.5047378 GHz	8.52 dBm		
M2		1	2.50217 GHz	11.73 dBm		
D3	M1	1	4.93 MHz	-0.01 dB		

Date: 22.OCT.2020 17:07:22

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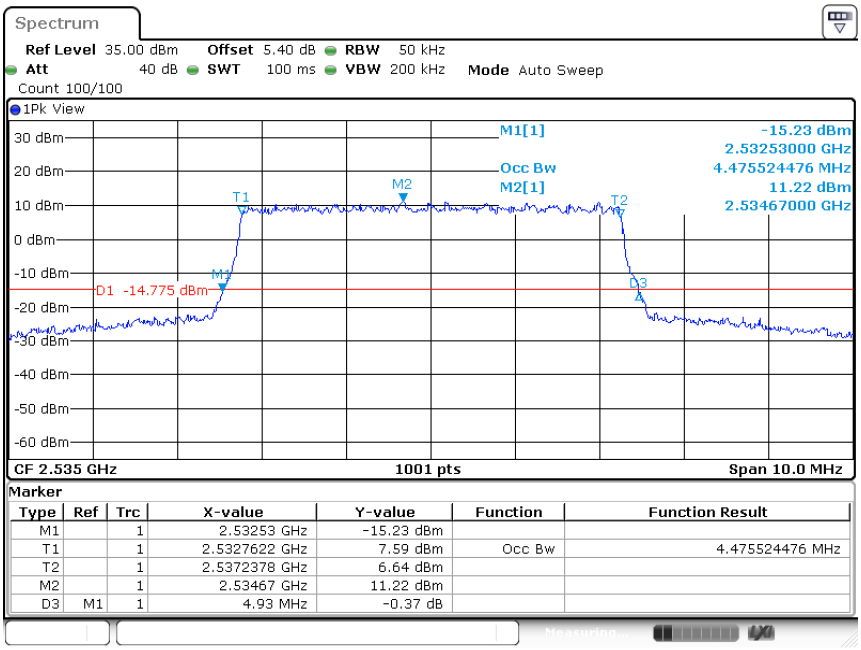
Band7-5MHz-64QAM-21100-25RB#0-4.476

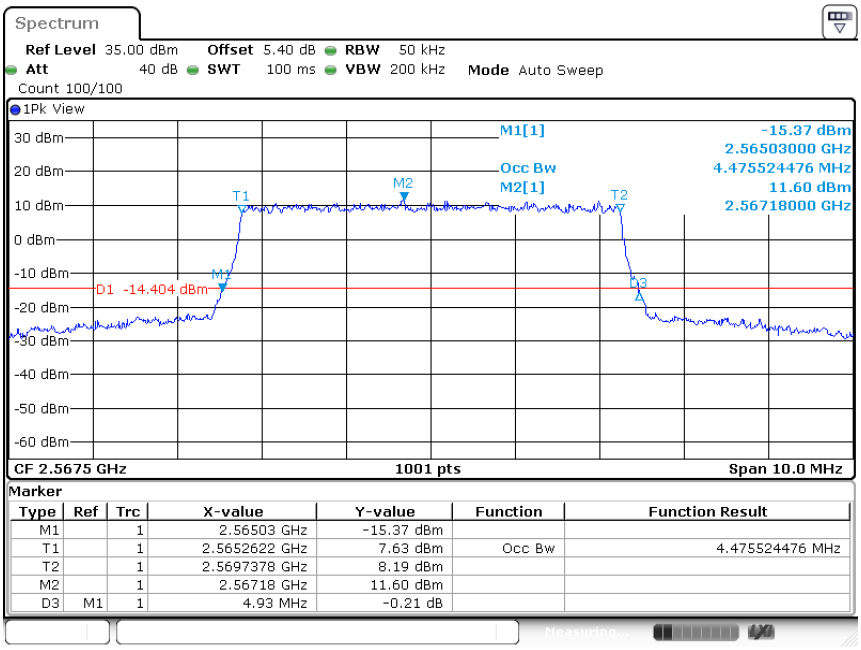


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53253 GHz	-15.23 dBm		
T1		1	2.5327622 GHz	7.59 dBm	Occ Bw	4.475524476 MHz
T2		1	2.5372378 GHz	6.64 dBm		
M2		1	2.53467 GHz	11.22 dBm		
D3	M1	1	4.93 MHz	-0.37 dB		

Date: 22.OCT.2020 17:07:45

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.56503 GHz	-15.37 dBm		
T1		1	2.5652622 GHz	7.63 dBm	Occ Bw	4.475524476 MHz
T2		1	2.5697378 GHz	8.19 dBm		
M2		1	2.56718 GHz	11.60 dBm		
D3	M1	1	4.93 MHz	-0.21 dB		

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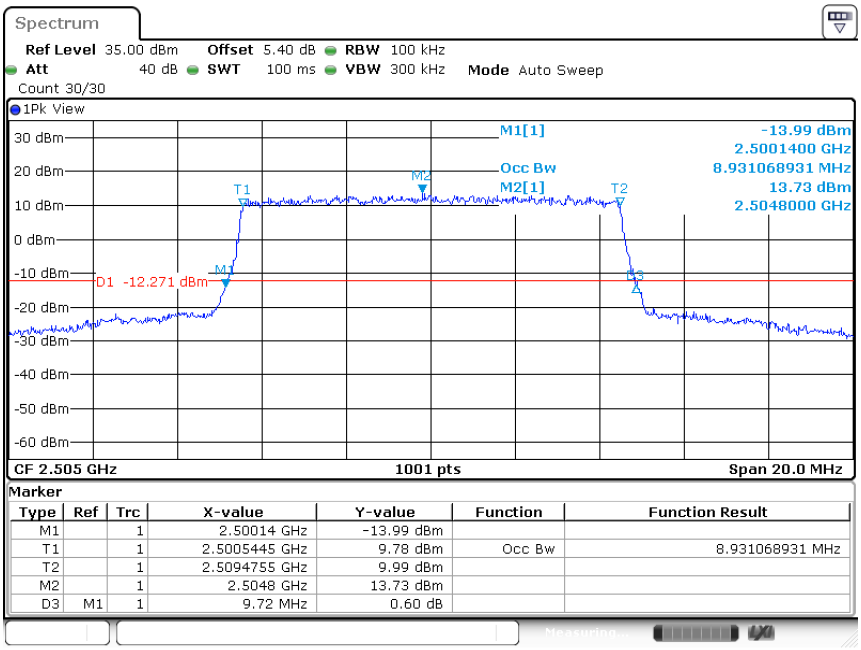
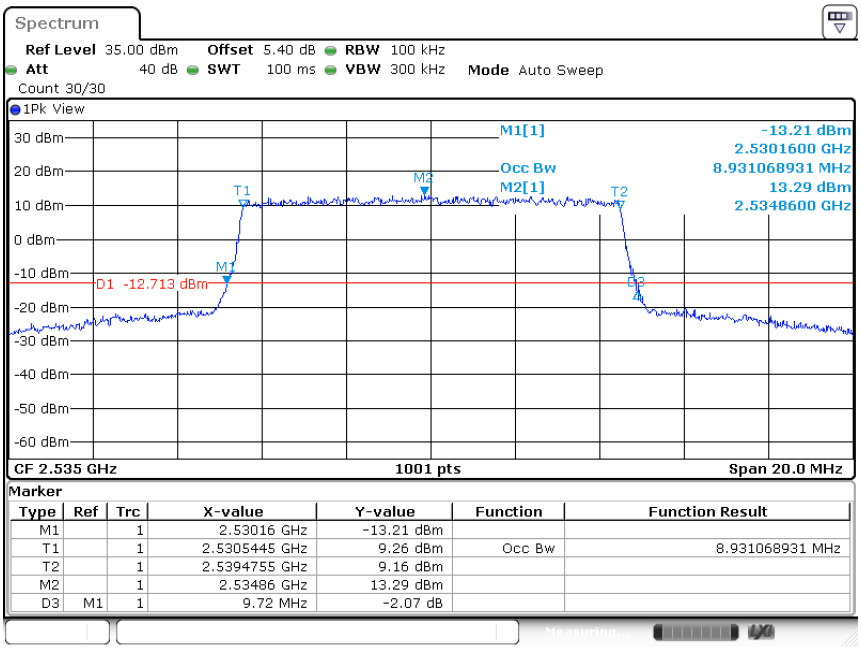
Band7-10MHz-QPSK-20800-50RB#0-8.931



Date: 22.OCT.2020 15:36:14

Band7-10MHz-QPSK-21100-50RB#0-8.931



Date: 22.OCT.2020 15:36:45

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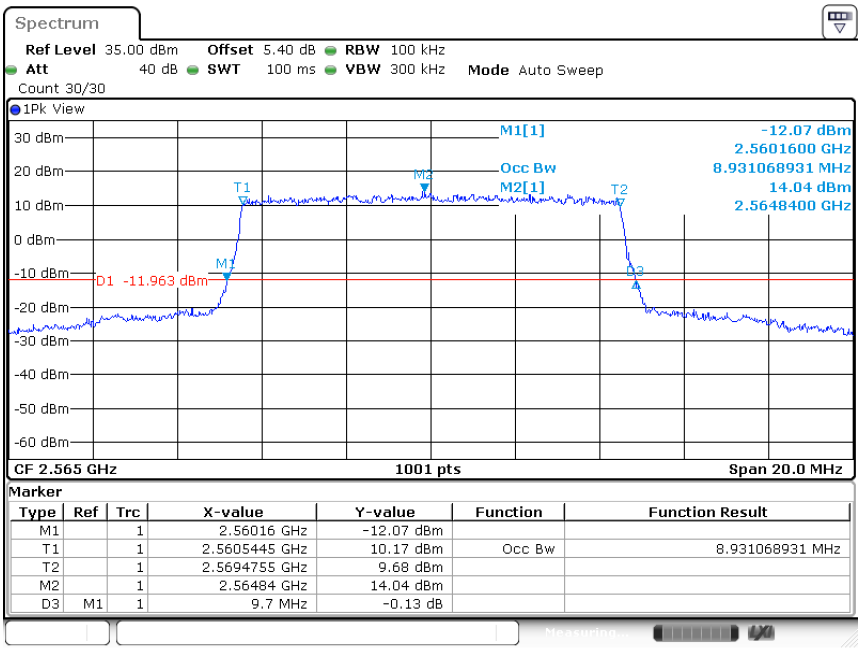
Band7-10MHz-QPSK-21400-50RB#0-8.931

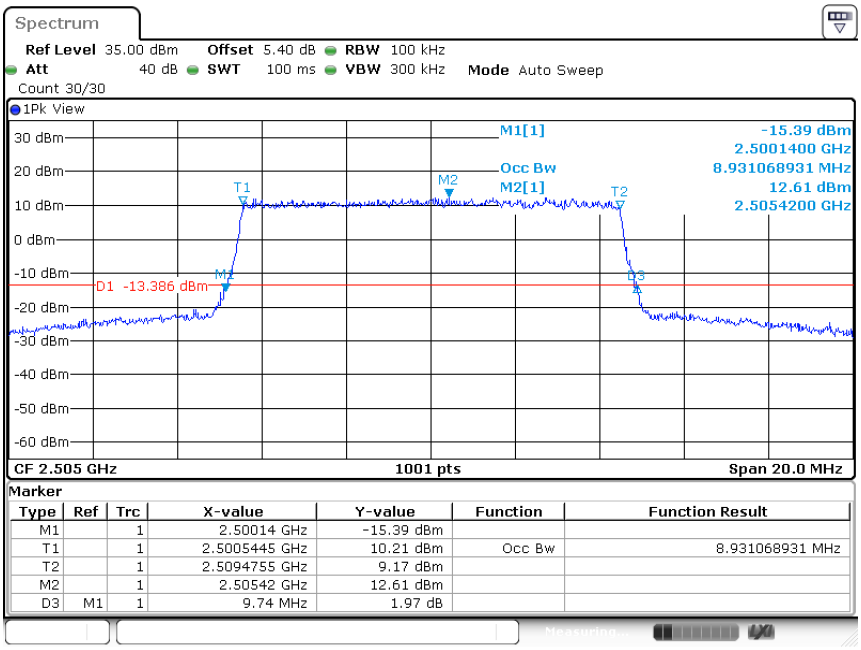


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.56016 GHz	-12.07 dBm		
T1		1	2.5605445 GHz	10.17 dBm	Occ Bw	8.931068931 MHz
T2		1	2.5694755 GHz	9.68 dBm		
M2		1	2.56484 GHz	14.04 dBm		
D3	M1	1	9.7 MHz	-0.13 dB		

Date: 22.OCT.2020 15:37:17

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50014 GHz	-15.39 dBm		
T1		1	2.5005445 GHz	10.21 dBm	Occ Bw	8.931068931 MHz
T2		1	2.5094755 GHz	9.17 dBm		
M2		1	2.50542 GHz	12.61 dBm		
D3	M1	1	9.74 MHz	1.97 dB		

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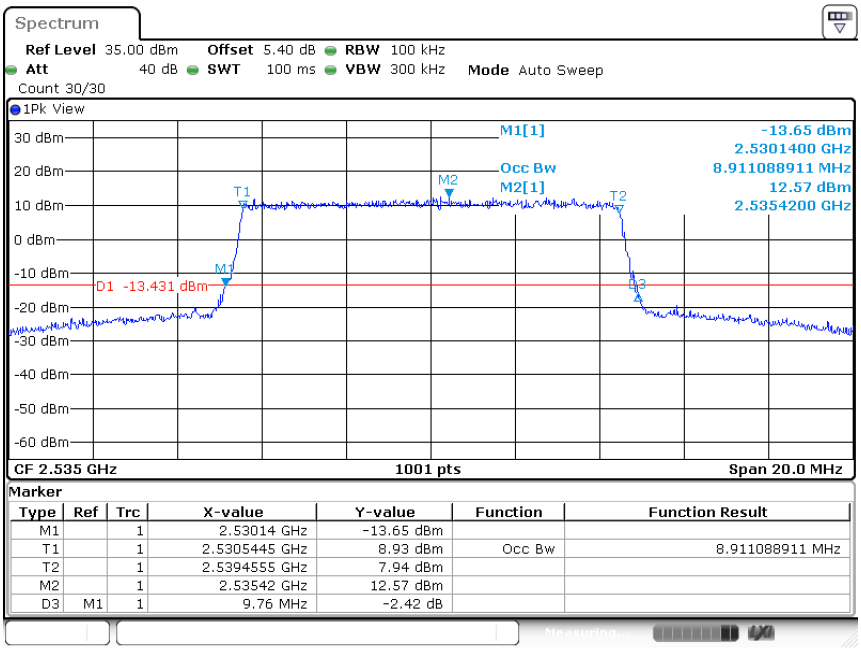
Band7-10MHz-16QAM-21100-50RB#0-8.911



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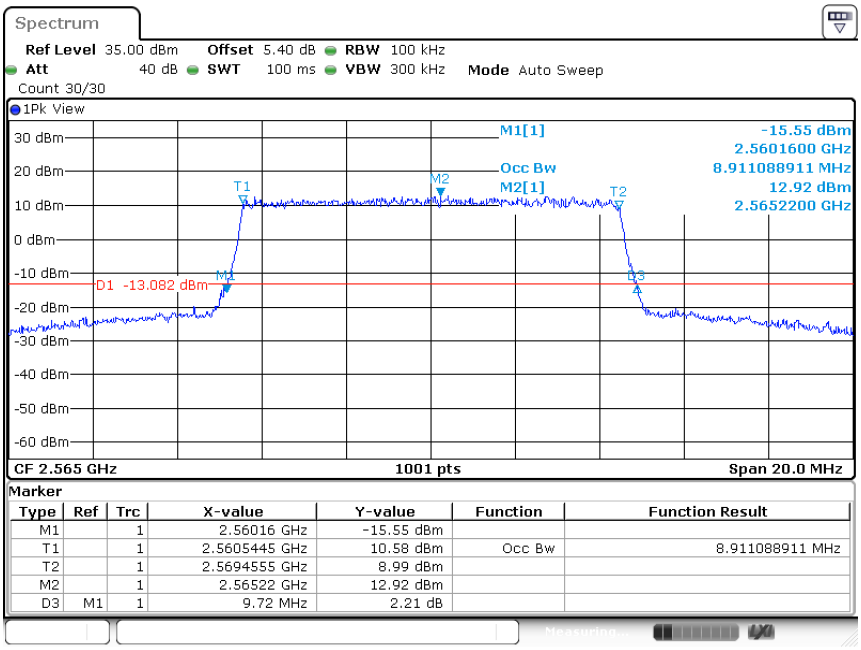
Band7-10MHz-16QAM-21400-50RB#0-8.911



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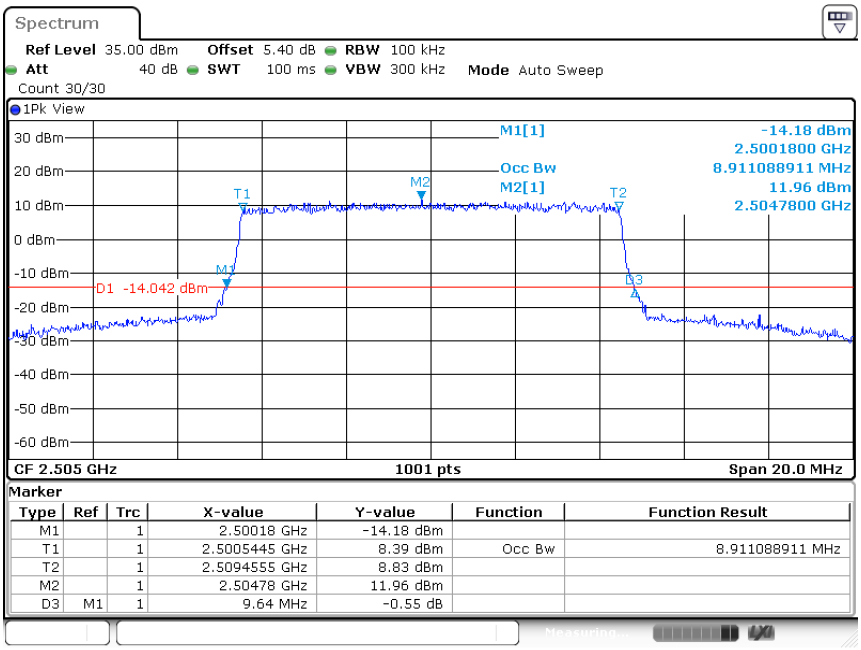
Band7-10MHz-64QAM-20800-50RB#0-8.911

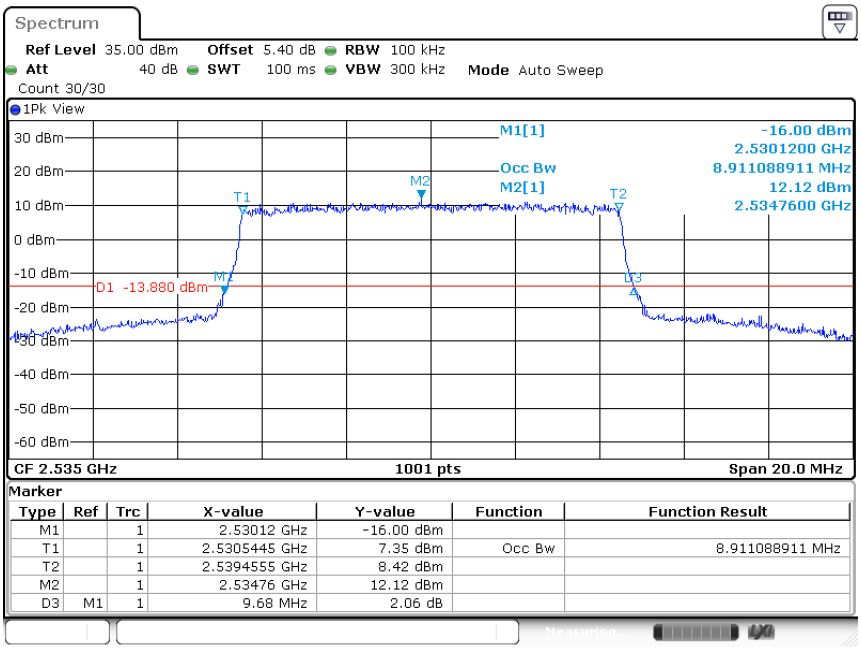


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50018 GHz	-14.18 dBm		
T1		1	2.5005445 GHz	8.39 dBm	Occ Bw	8.911088911 MHz
T2		1	2.5094555 GHz	8.83 dBm		
M2		1	2.50478 GHz	11.96 dBm		
D3	M1	1	9.64 MHz	-0.55 dB		

Date: 22.OCT.2020 17:08:31

Band7-10MHz-64QAM-21100-50RB#0-8.911



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53012 GHz	-16.00 dBm		
T1		1	2.5305445 GHz	7.35 dBm	Occ Bw	8.911088911 MHz
T2		1	2.5394555 GHz	8.42 dBm		
M2		1	2.53476 GHz	12.12 dBm		
D3	M1	1	9.68 MHz	2.06 dB		

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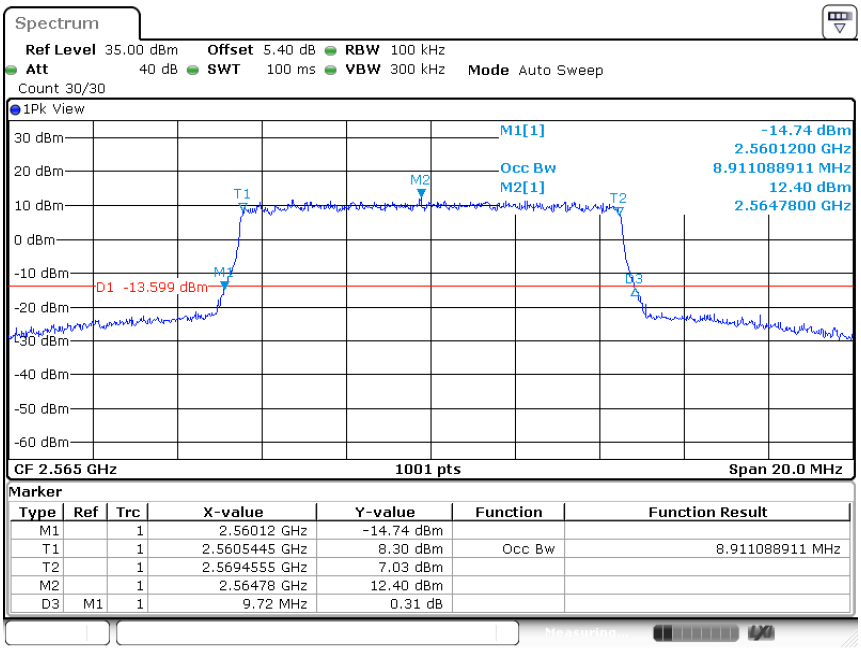
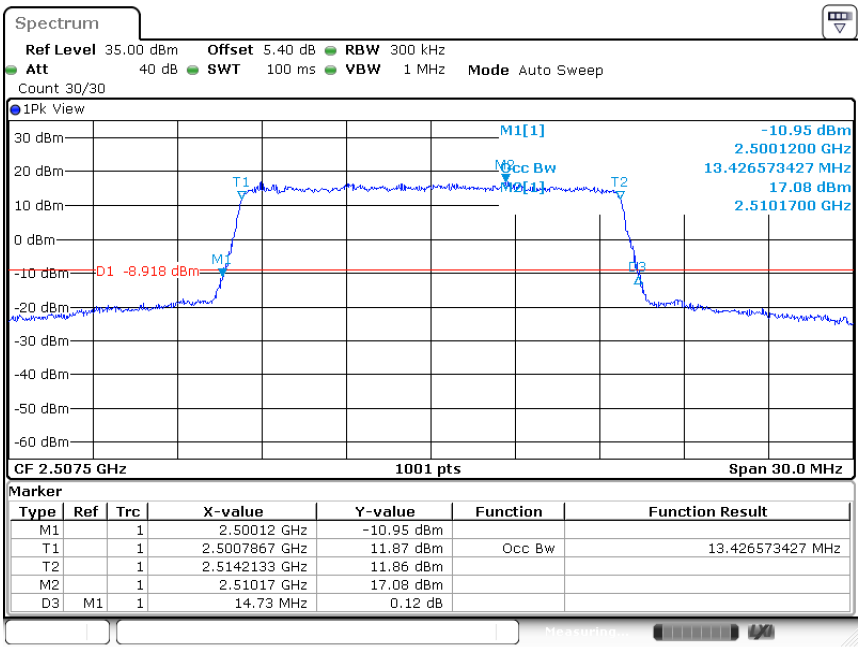


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.56012 GHz	-14.74 dBm		
T1		1	2.5605445 GHz	8.30 dBm	Occ Bw	8.911088911 MHz
T2		1	2.5694555 GHz	7.03 dBm		
M2		1	2.56478 GHz	12.40 dBm		
D3	M1	1	9.72 MHz	0.31 dB		

Date: 22.OCT.2020 17:09:03

Band7-15MHz-QPSK-20825-75RB#0-13.427



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50012 GHz	-10.95 dBm		
T1		1	2.5007867 GHz	11.87 dBm	Occ Bw	13.426573427 MHz
T2		1	2.5142133 GHz	11.86 dBm		
M2		1	2.51017 GHz	17.08 dBm		
D3	M1	1	14.73 MHz	0.12 dB		

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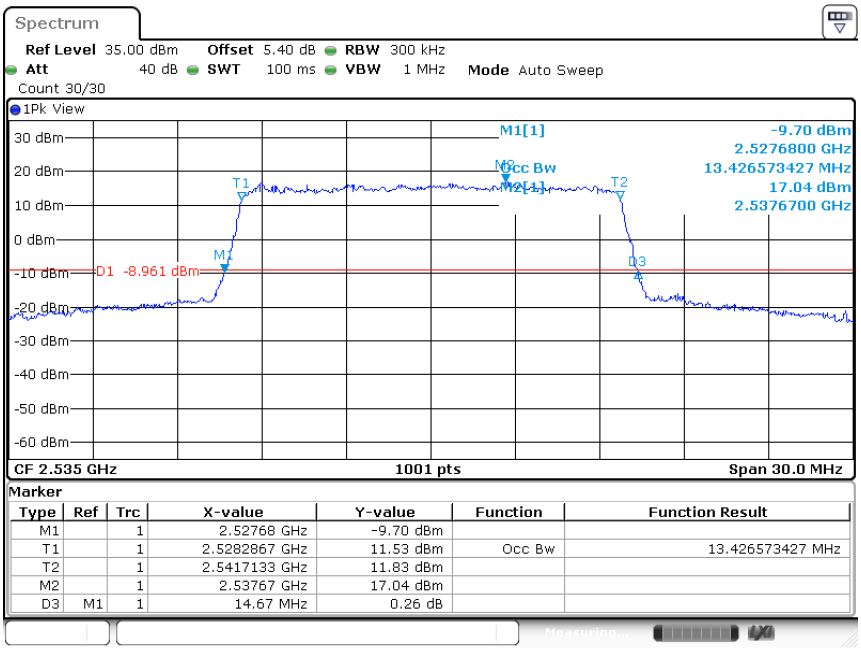

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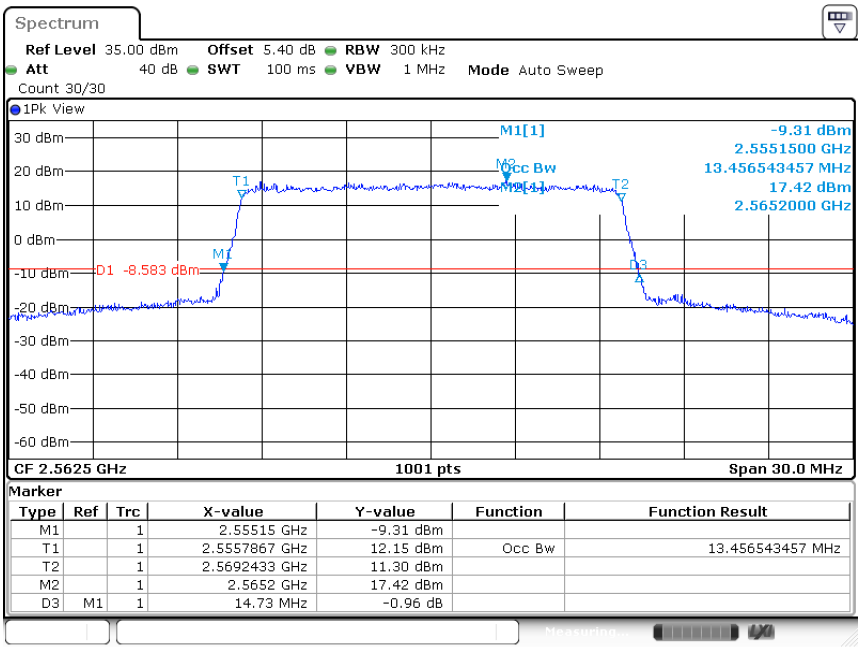
Band7-15MHz-QPSK-21375-75RB#0-13.457



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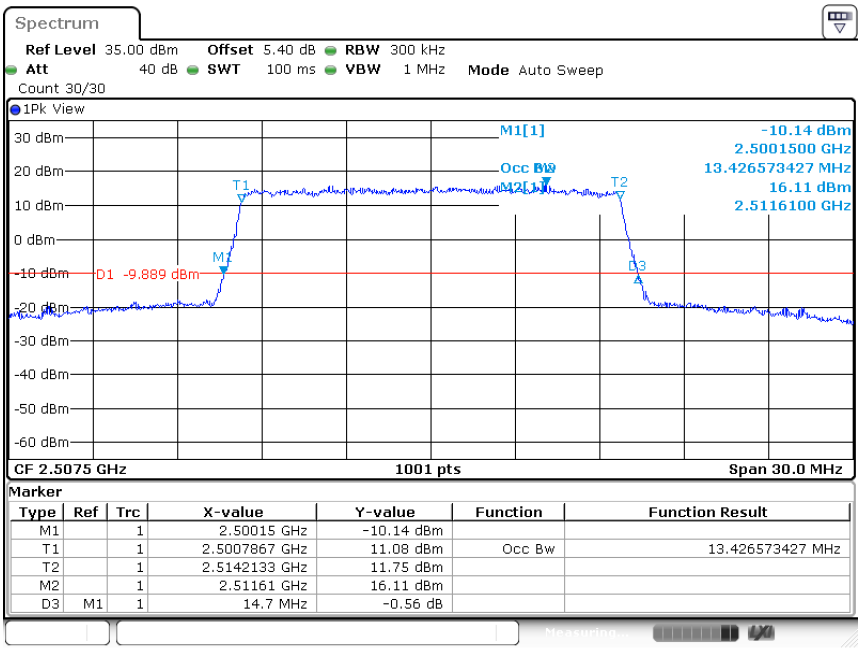
Band7-15MHz-16QAM-20825-75RB#0-13.427

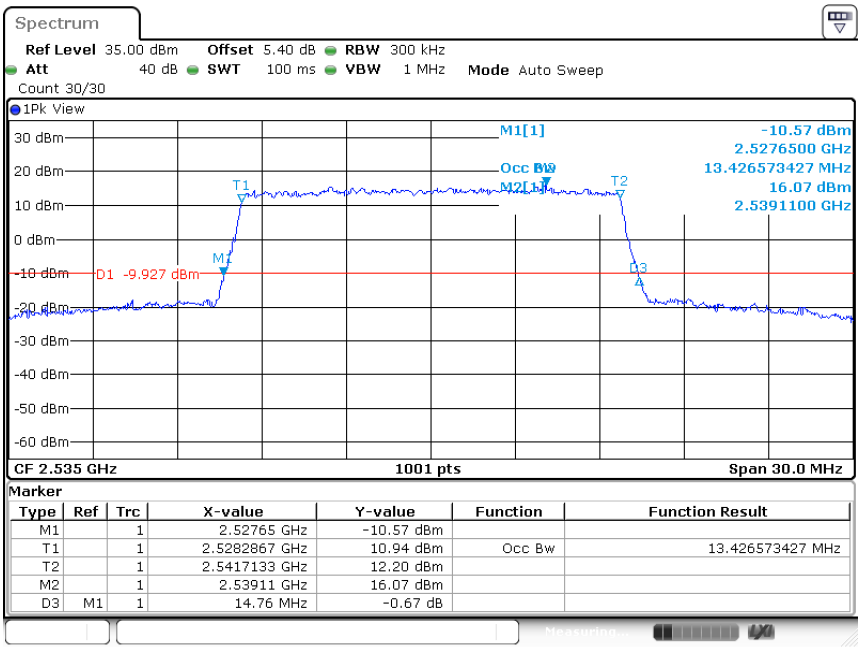


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.50015 GHz	-10.14 dBm		
T1		1	2.5007867 GHz	11.08 dBm	Occ Bw	13.426573427 MHz
T2		1	2.5142133 GHz	11.75 dBm		
M2		1	2.51161 GHz	16.11 dBm		
D3	M1	1	14.7 MHz	-0.56 dB		

Date: 22.OCT.2020 15:38:11

Band7-15MHz-16QAM-21100-75RB#0-13.427



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52765 GHz	-10.57 dBm		
T1		1	2.5282867 GHz	10.94 dBm	Occ Bw	13.426573427 MHz
T2		1	2.5417133 GHz	12.20 dBm		
M2		1	2.53911 GHz	16.07 dBm		
D3	M1	1	14.76 MHz	-0.67 dB		

Date: 22.OCT.2020 15:38:44

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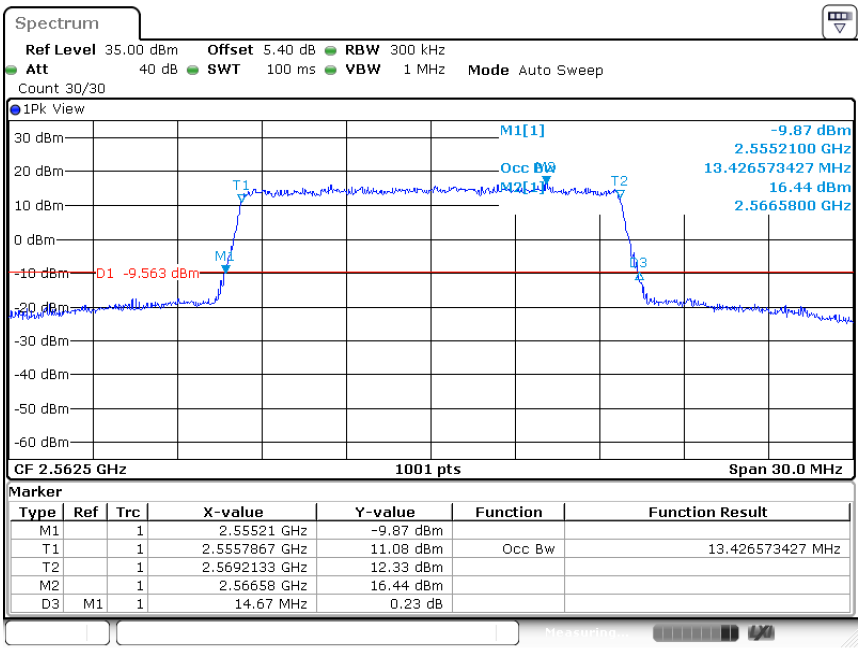
Band7-15MHz-16QAM-21375-75RB#0-13.427



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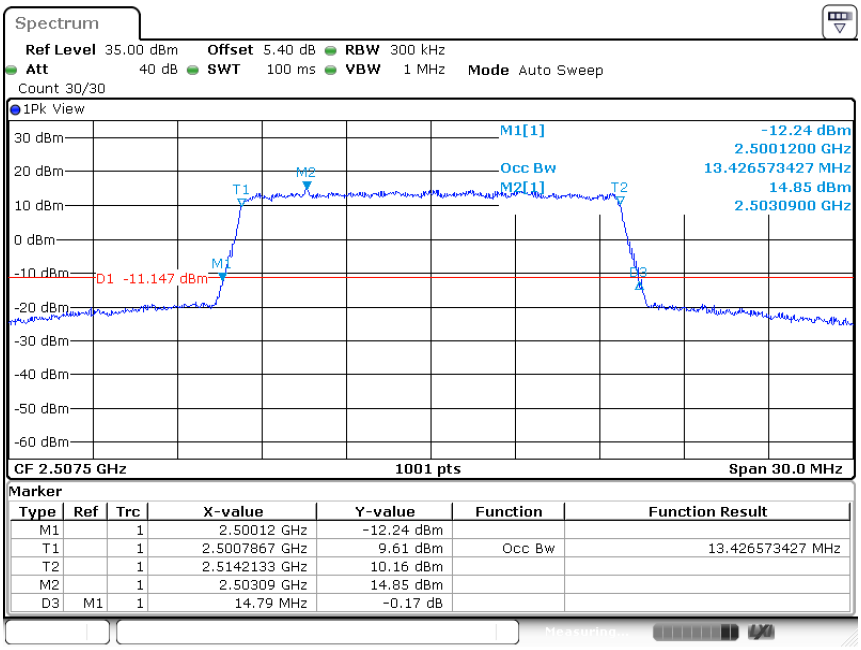
Band7-15MHz-64QAM-20825-75RB#0-13.427



Date: 22.OCT.2020 17:09:27

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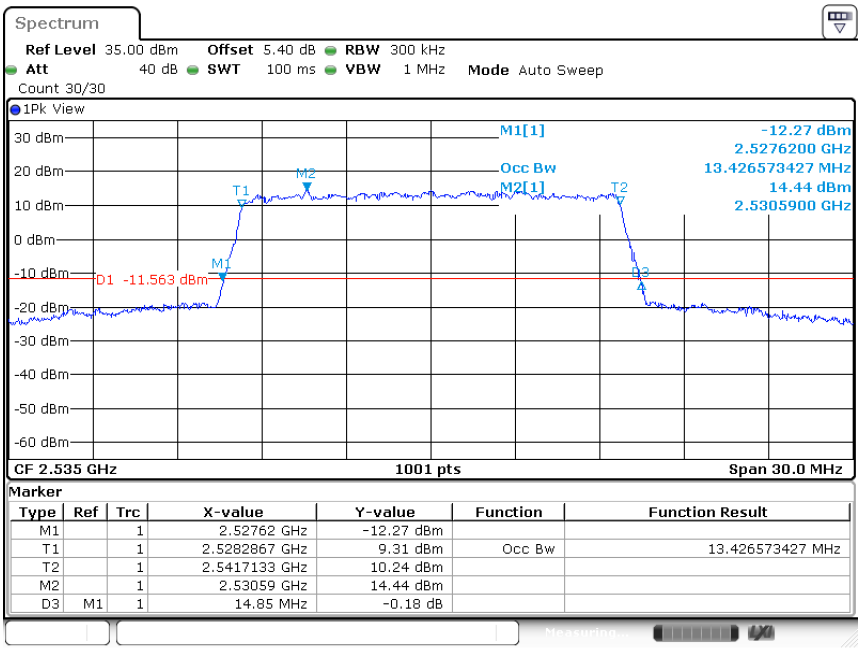

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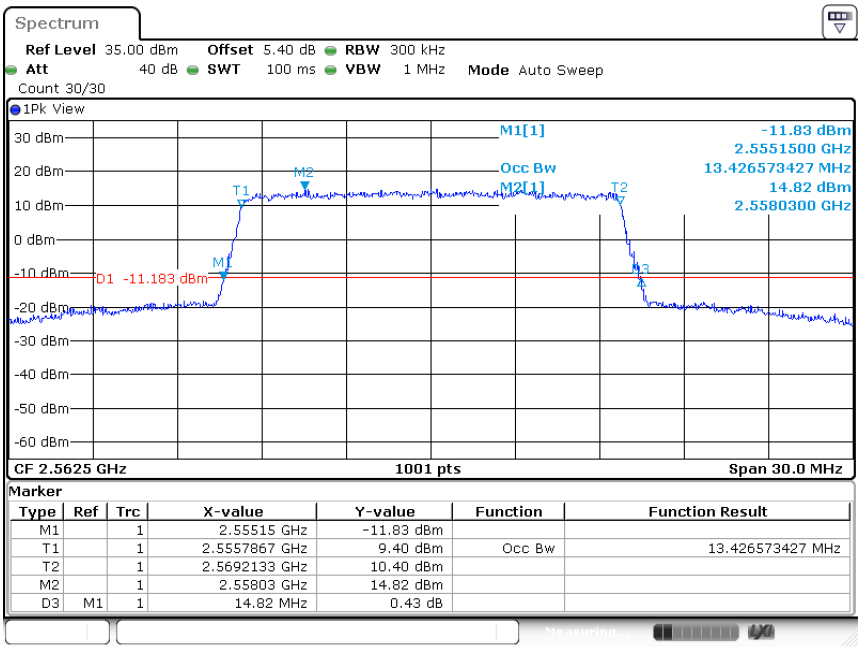
Band7-15MHz-64QAM-21375-75RB#0-13.427



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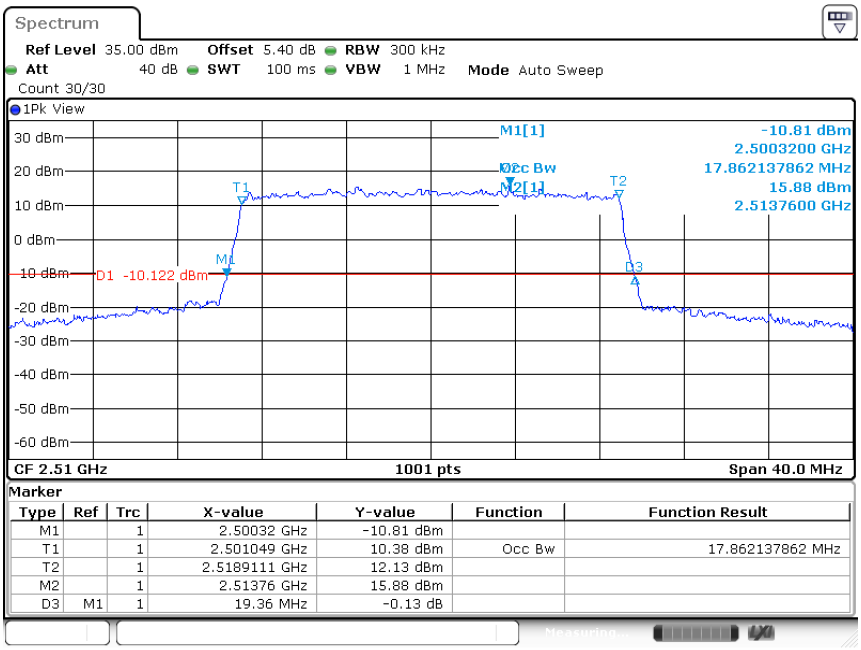
Band7-20MHz-QPSK-20850-100RB#0-17.862



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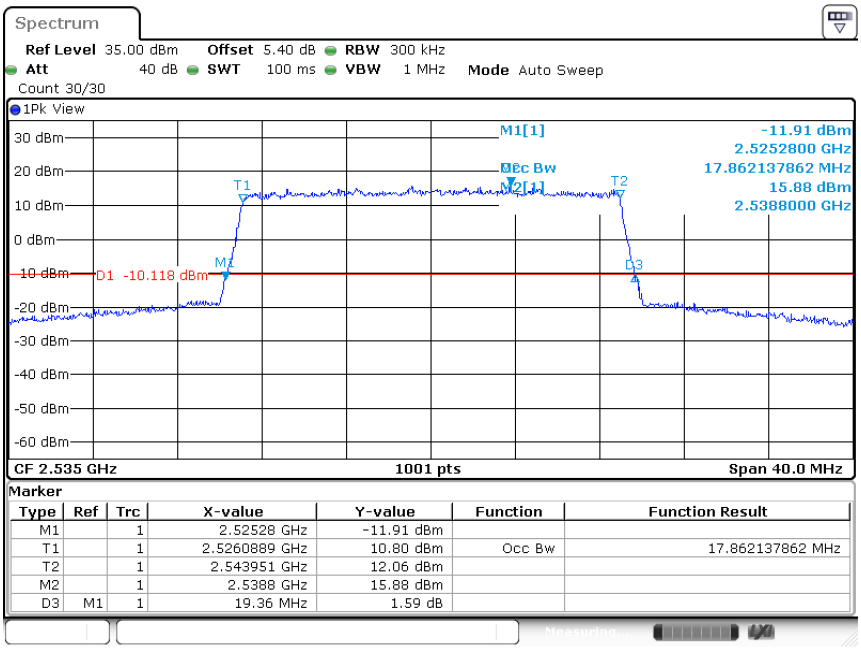
Band7-20MHz-QPSK-21100-100RB#0-17.862



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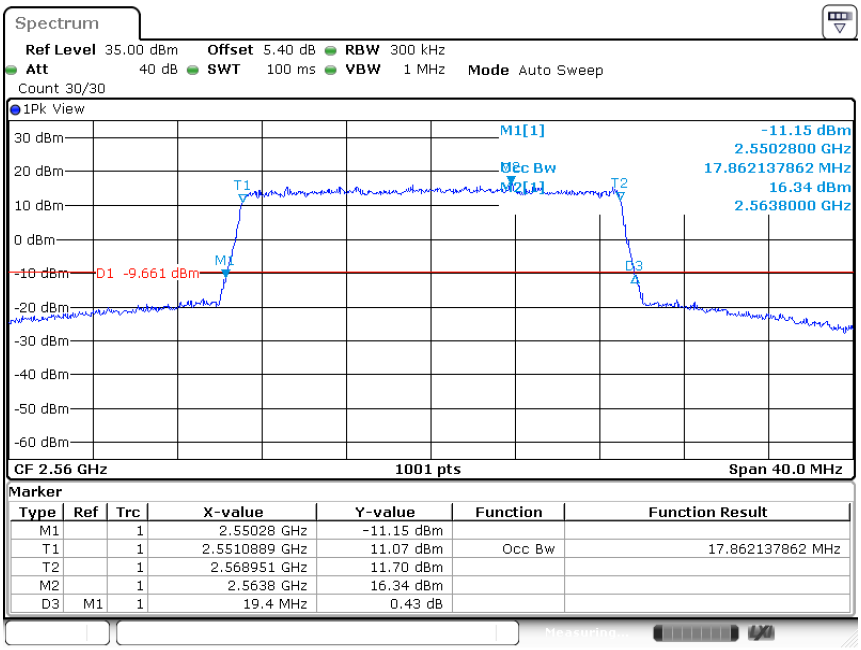

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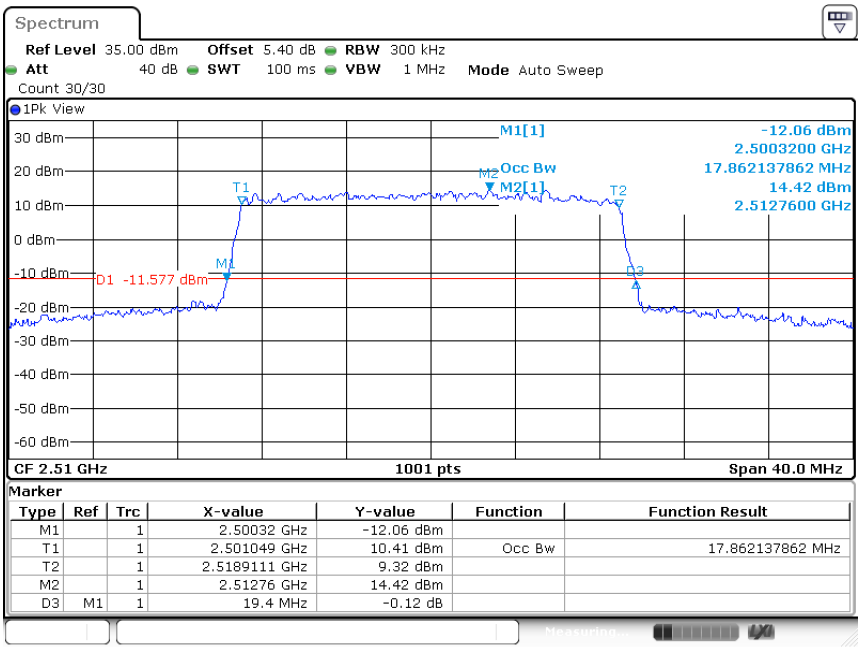
Band7-20MHz-16QAM-20850-100RB#0-17.862



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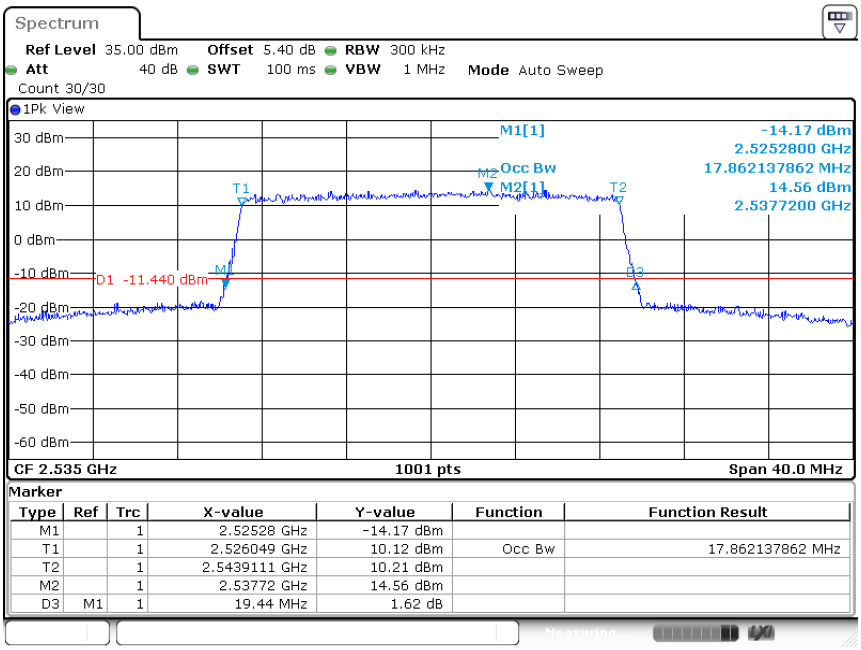

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.52528 GHz	-14.17 dBm		
T1		1	2.526049 GHz	10.12 dBm	Occ Bw	17.862137862 MHz
T2		1	2.5439111 GHz	10.21 dBm		
M2		1	2.53772 GHz	14.56 dBm		
D3	M1	1	19.44 MHz	1.62 dB		

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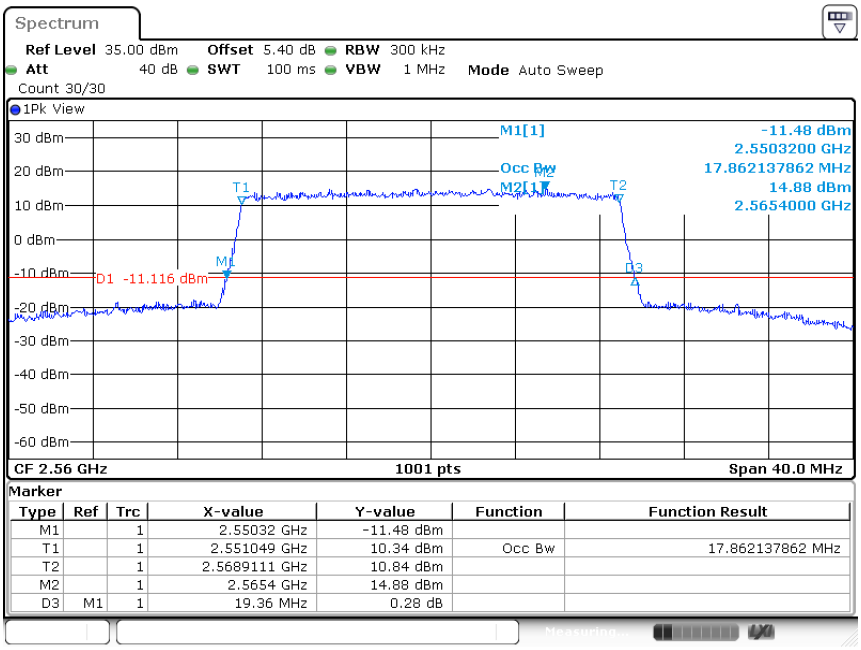
Band7-20MHz-16QAM-21350-100RB#0-17.862



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.55032 GHz	-11.48 dBm		
T1		1	2.551049 GHz	10.34 dBm	Occ Bw	17.862137862 MHz
T2		1	2.5689111 GHz	10.84 dBm		
M2		1	2.5654 GHz	14.88 dBm		
D3	M1	1	19.36 MHz	0.28 dB		

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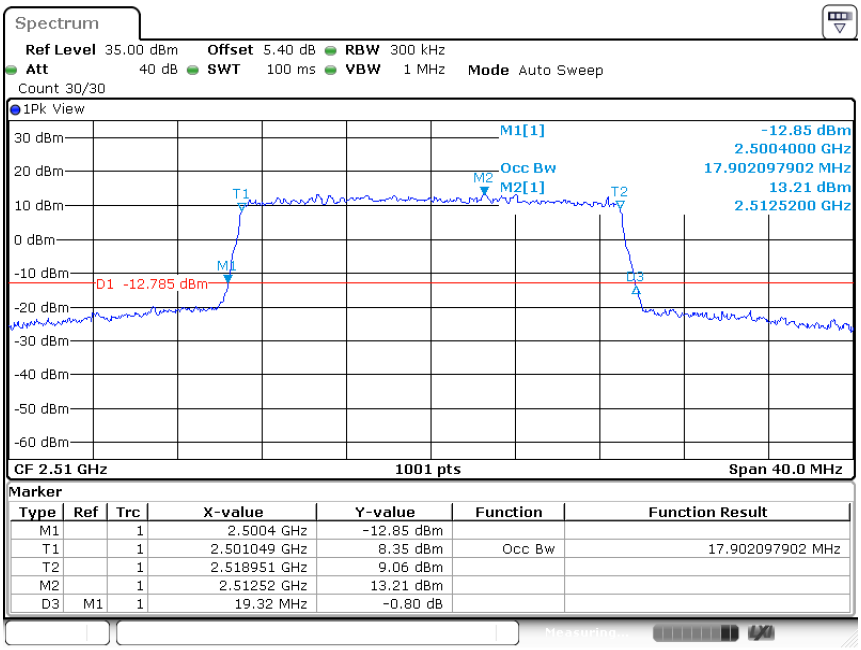

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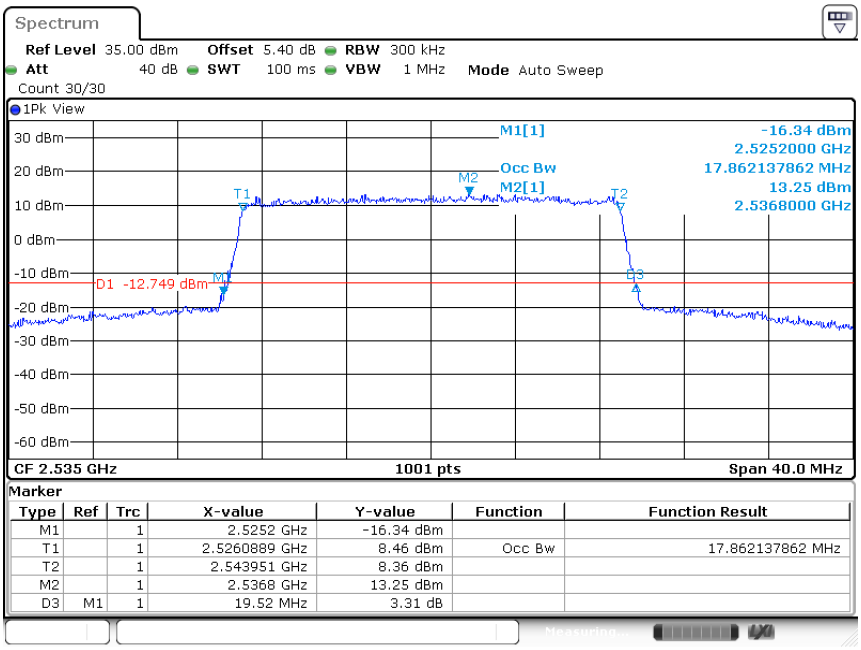
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5004 GHz	-12.85 dBm		
T1		1	2.501049 GHz	8.35 dBm	Occ Bw	17.902097902 MHz
T2		1	2.518951 GHz	9.06 dBm		
M2		1	2.51252 GHz	13.21 dBm		
D3	M1	1	19.32 MHz	-0.80 dB		

Date: 22.OCT.2020 17:10:23

Band7-20MHz-64QAM-21100-100RB#0-17.862



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.5252 GHz	-16.34 dBm		
T1		1	2.5260889 GHz	8.46 dBm	Occ Bw	17.862137862 MHz
T2		1	2.543951 GHz	8.36 dBm		
M2		1	2.5368 GHz	13.25 dBm		
D3	M1	1	19.52 MHz	3.31 dB		

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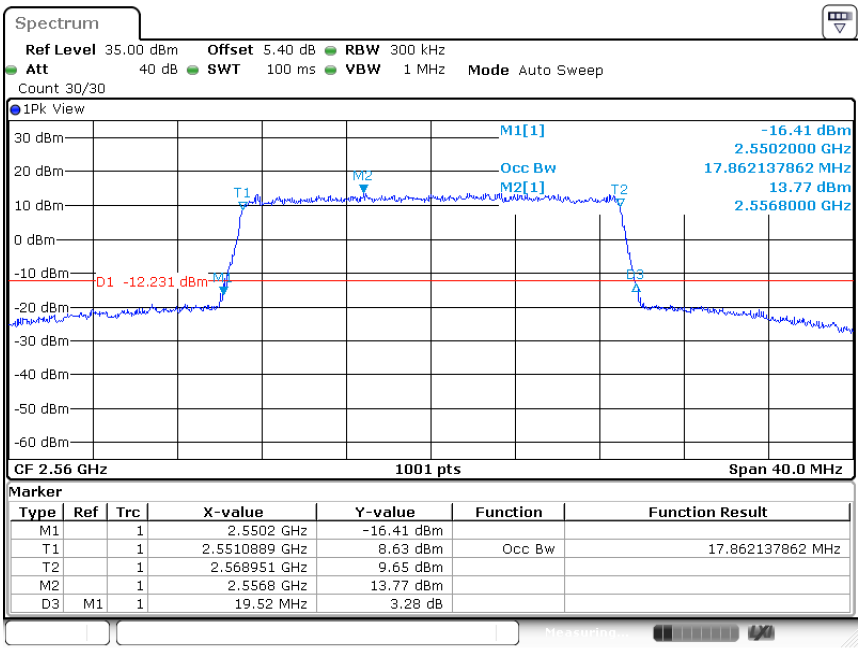

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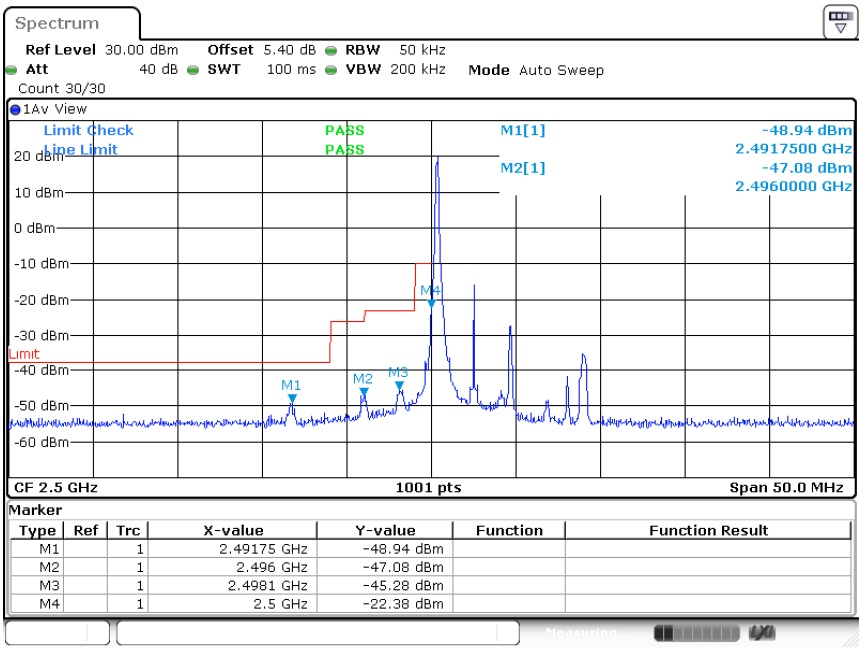
5 Band Edge Compliance

5.1 Test Plots

Band7-5MHz-QPSK-20775-1RB#0



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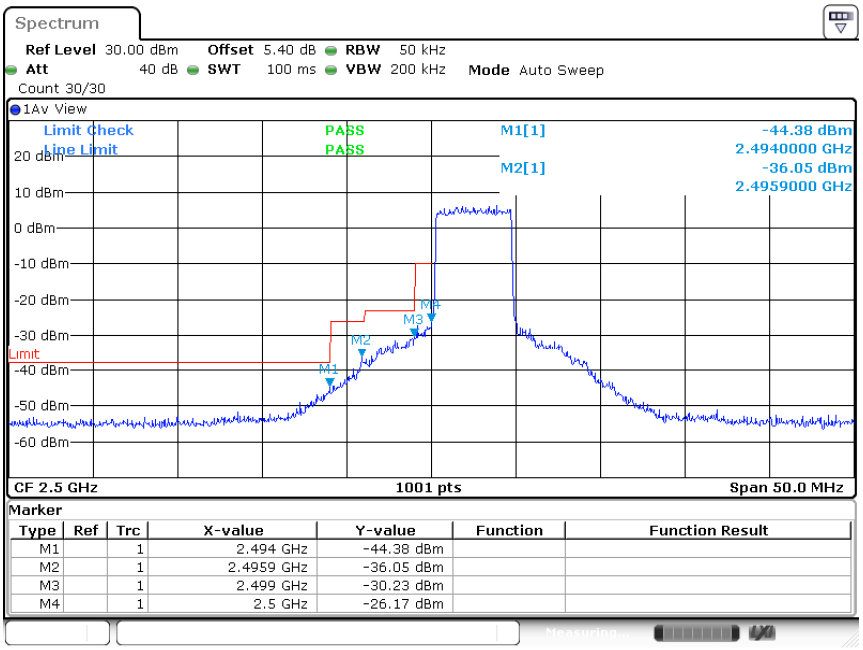
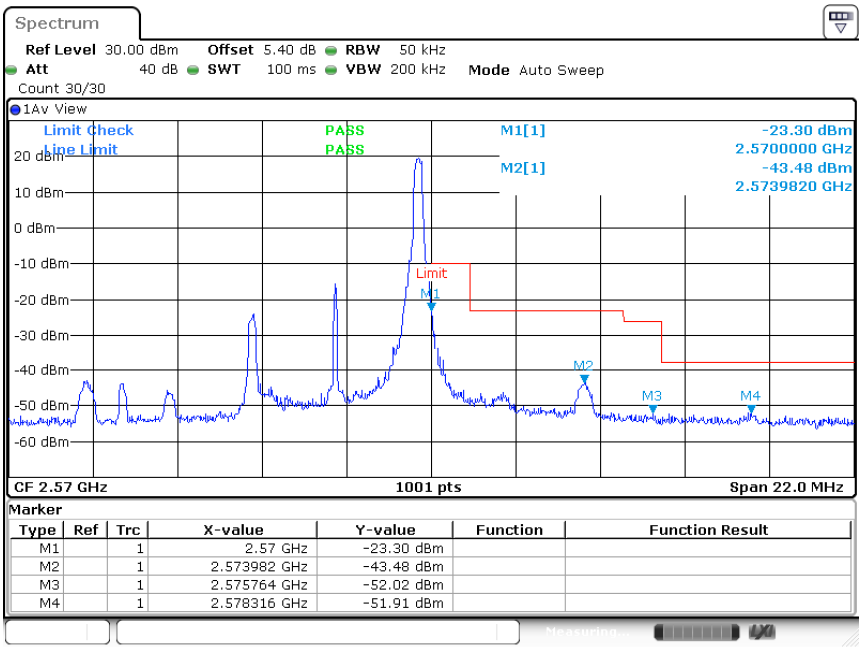
Band7-5MHz-QPSK-20775-25RB#0



Date: 22.OCT.2020 15:42:02

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



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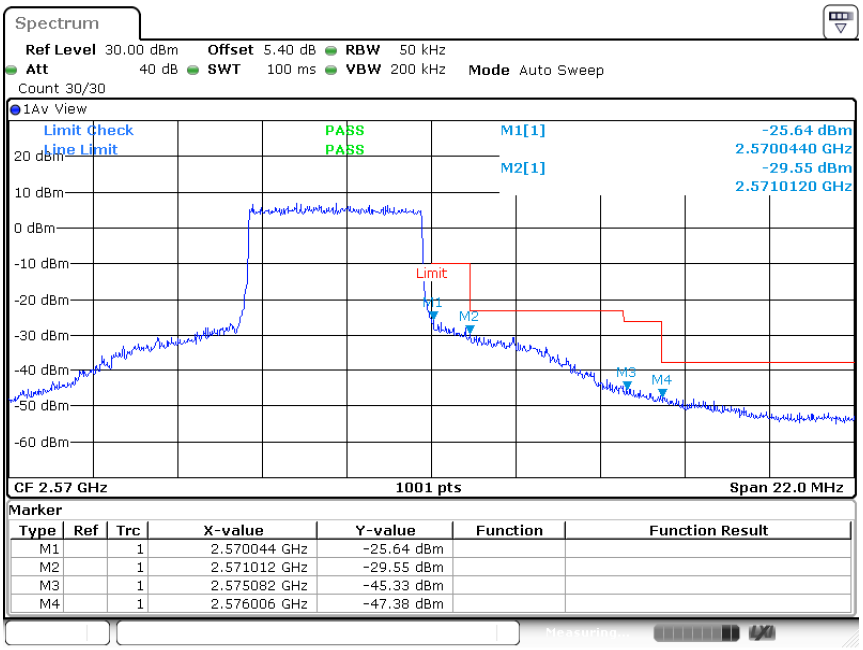

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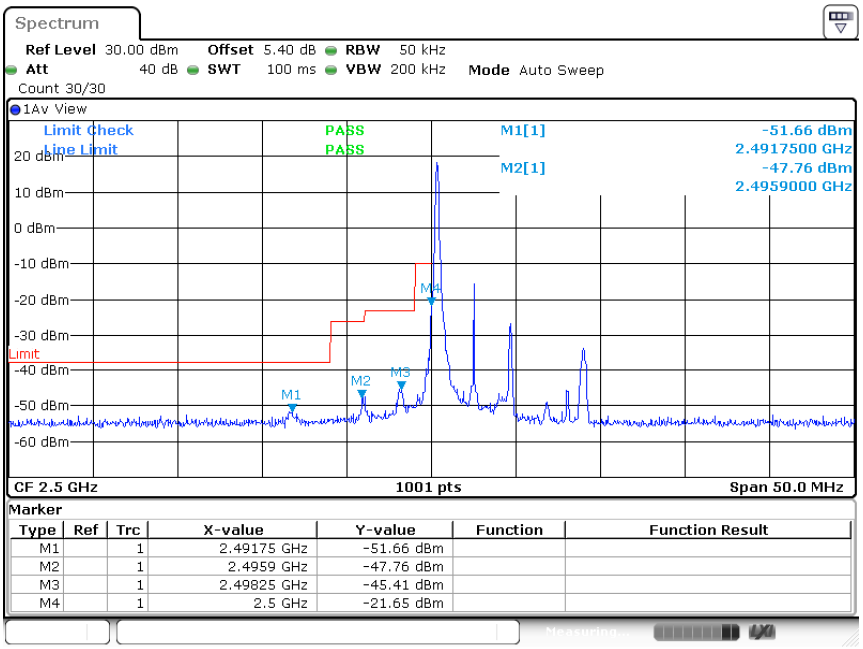
Band7-5MHz-16QAM-20775-1RB#0



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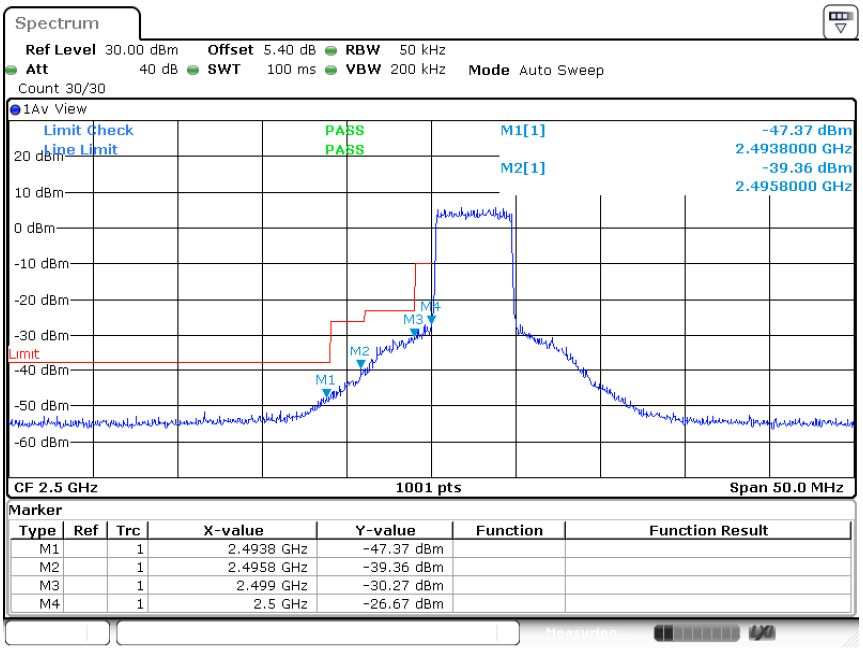

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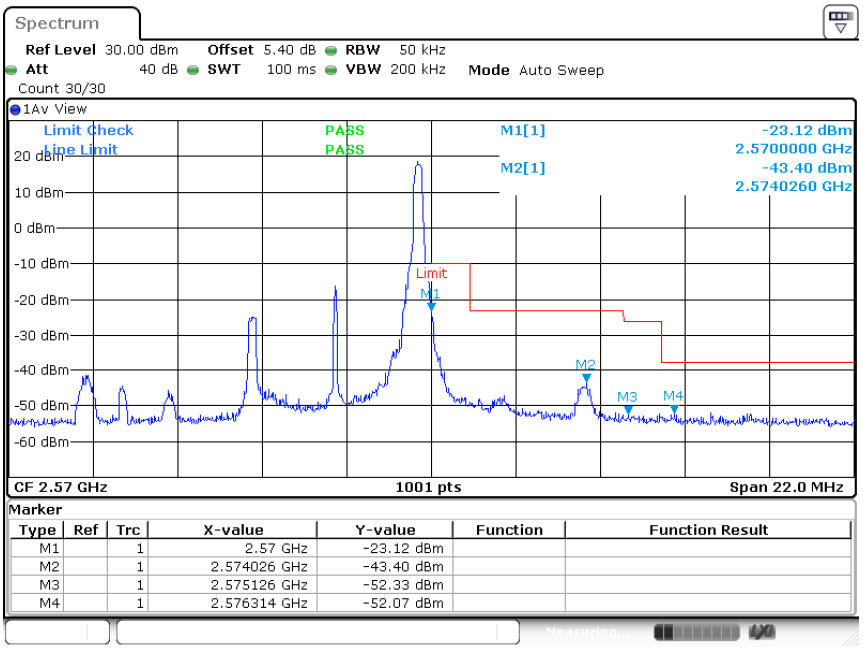

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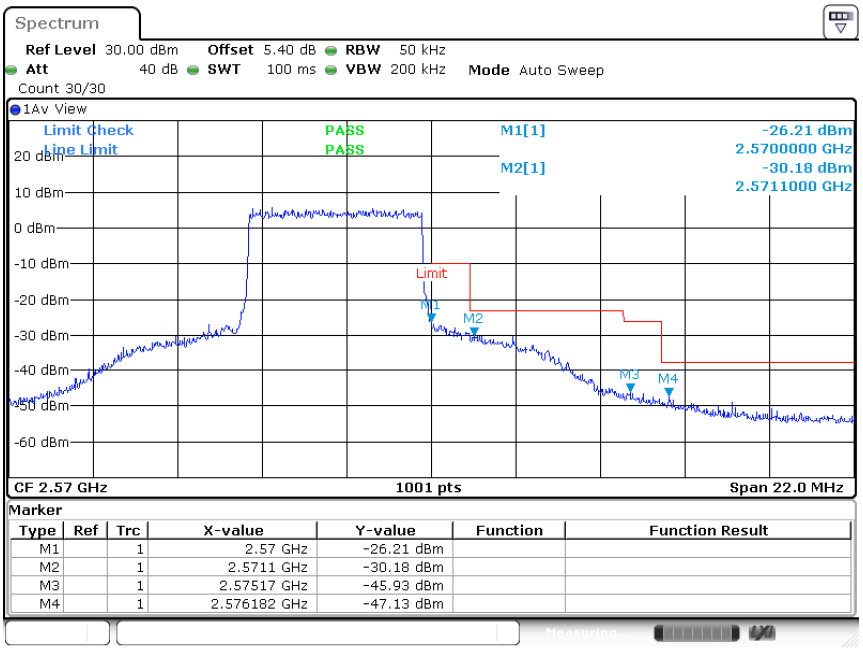

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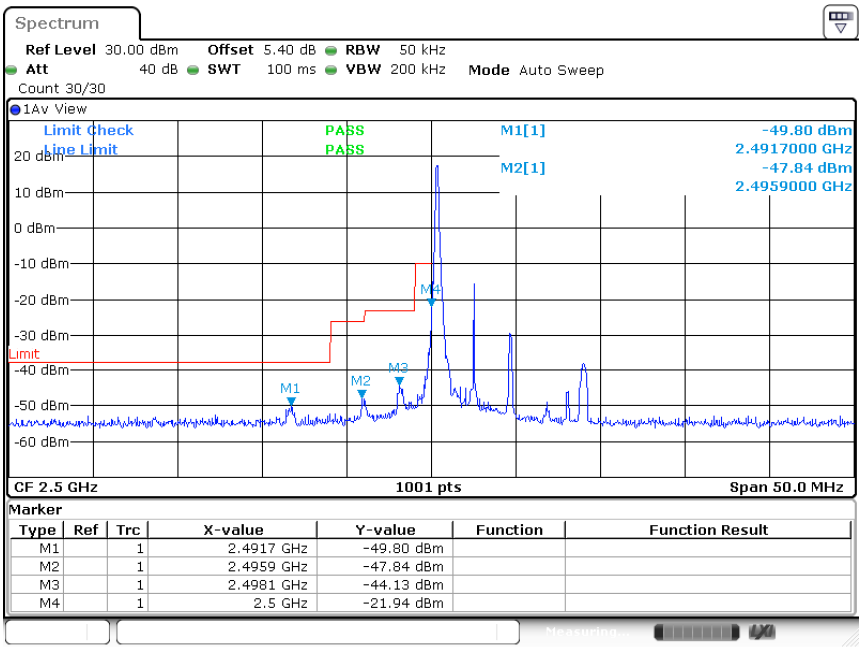
Band7-5MHz-64QAM-20775-1RB#0



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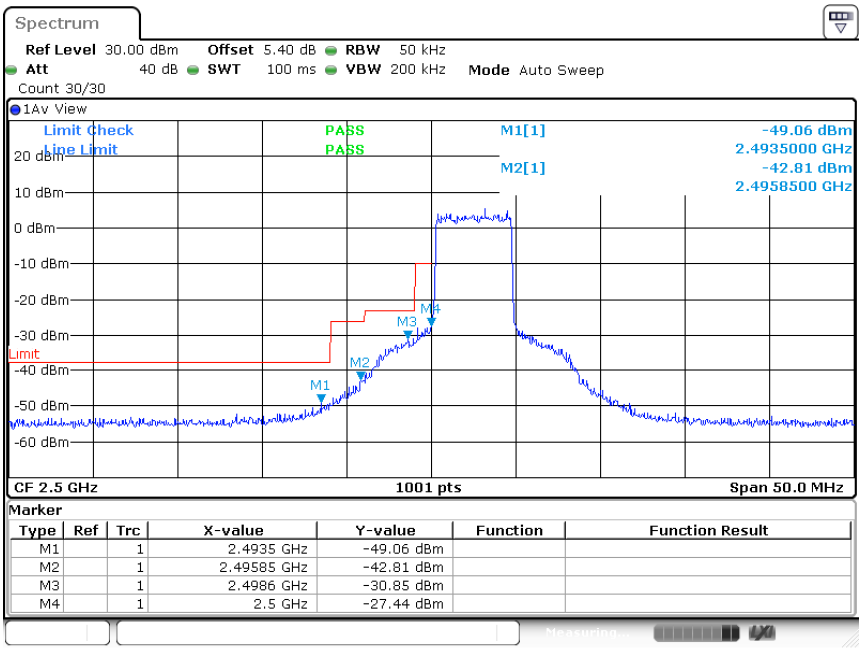

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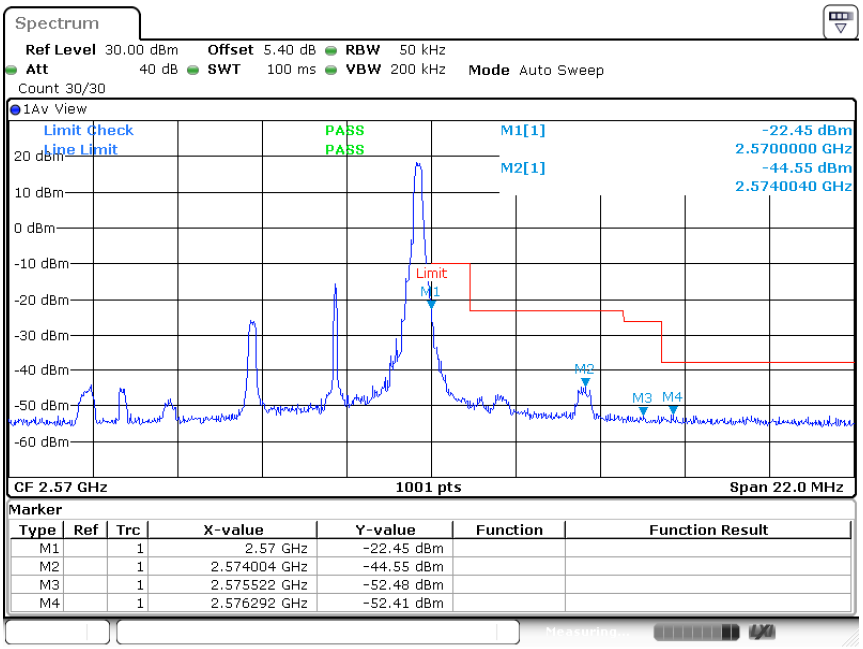
Band7-5MHz-64QAM-21425-1RB#24



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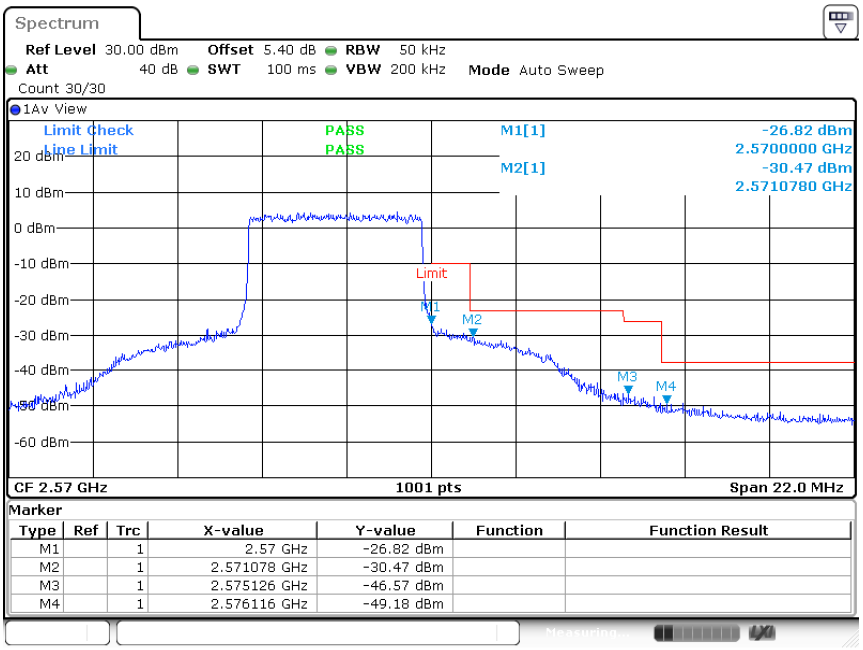

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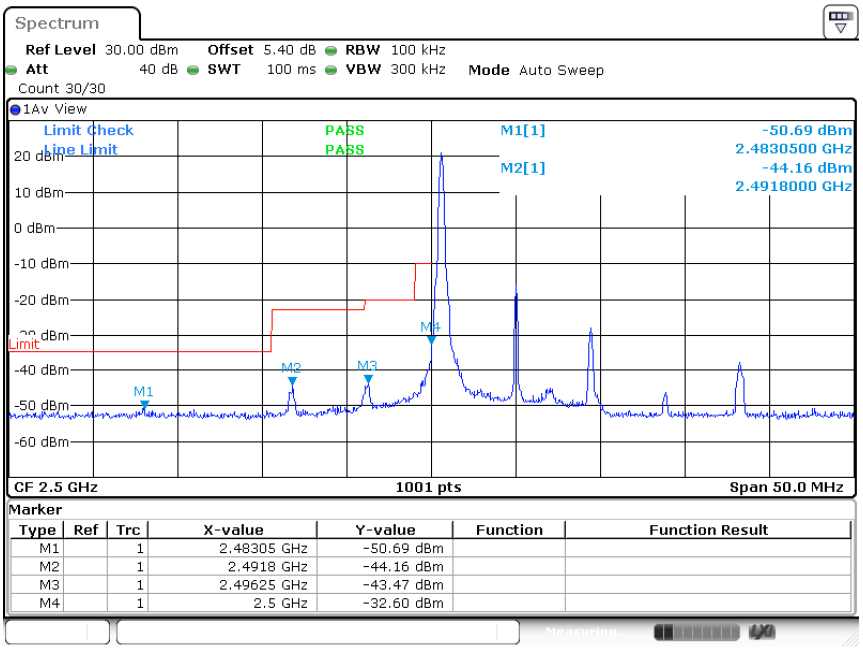

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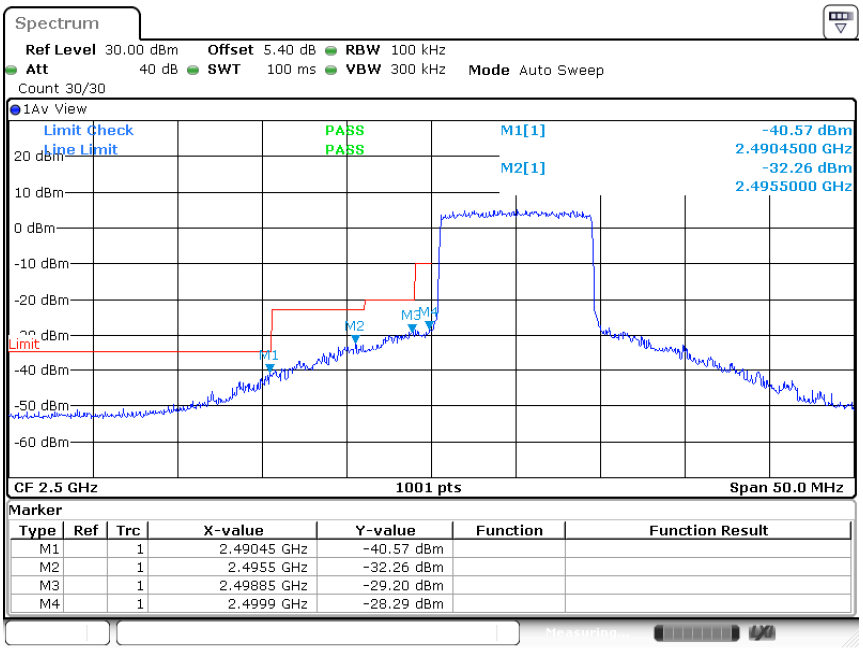

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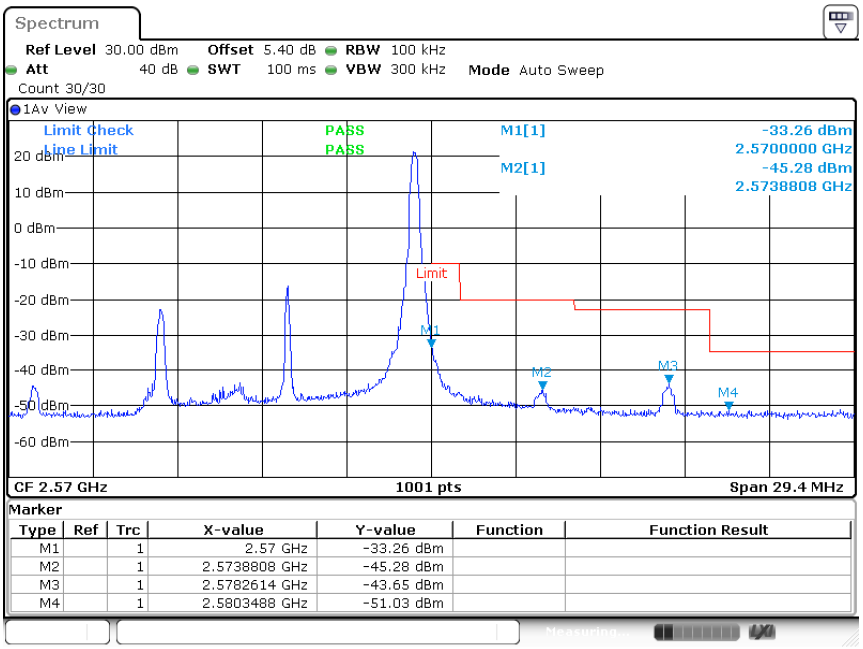
Band7-10MHz-QPSK-21400-1RB#49



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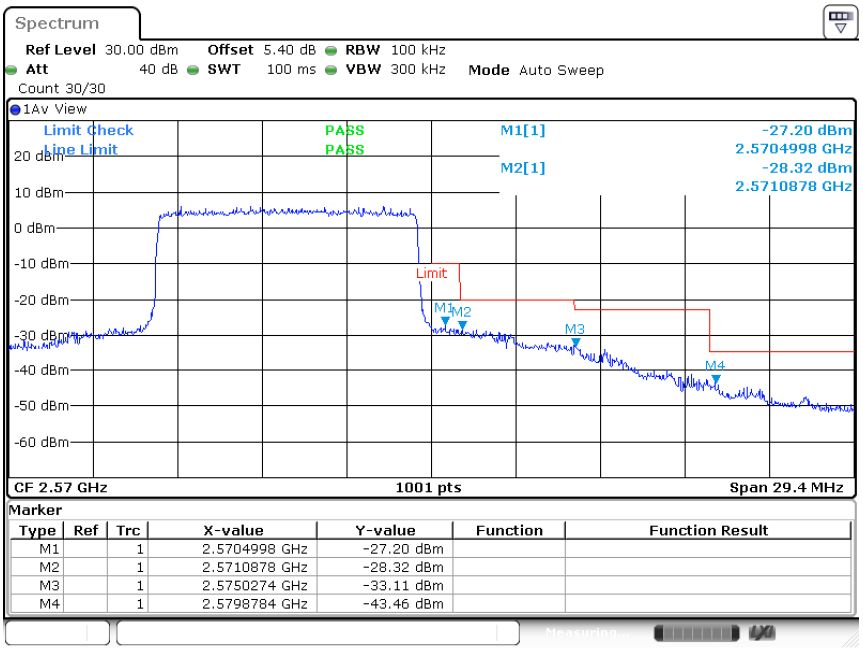

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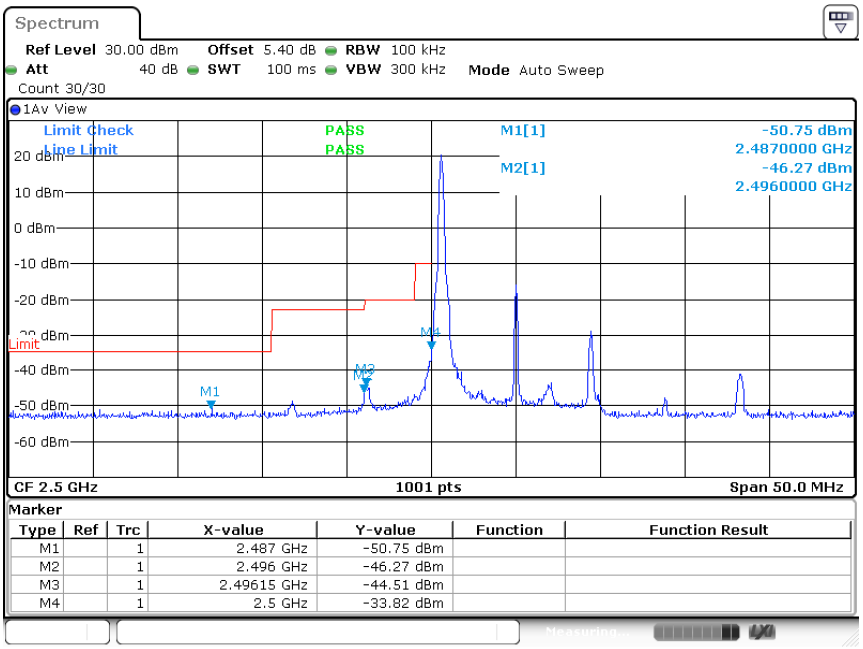

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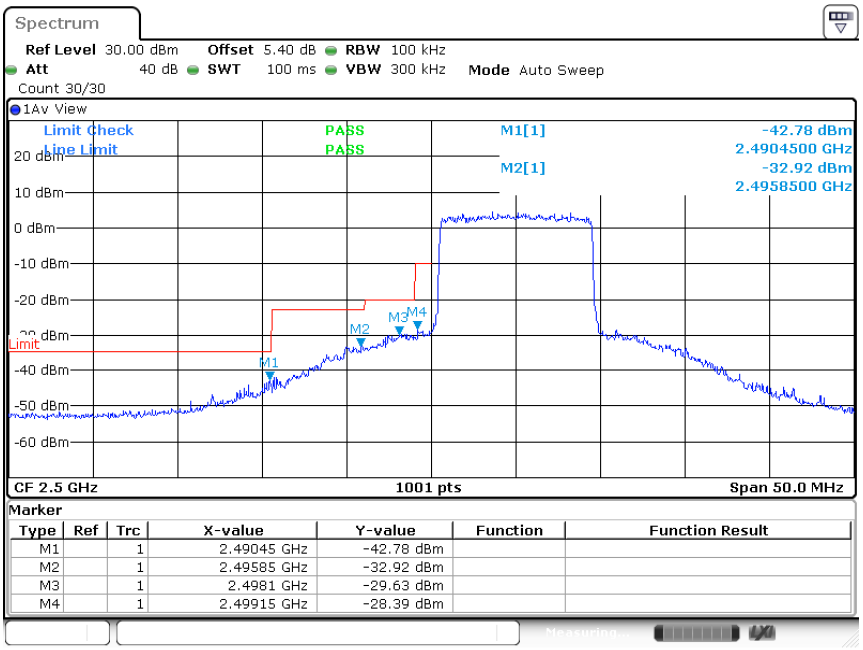

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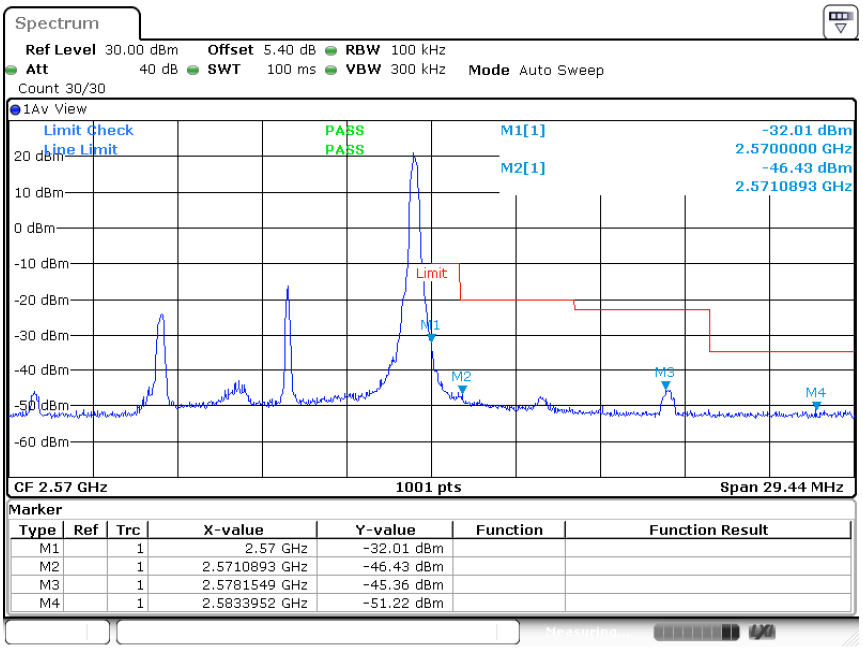

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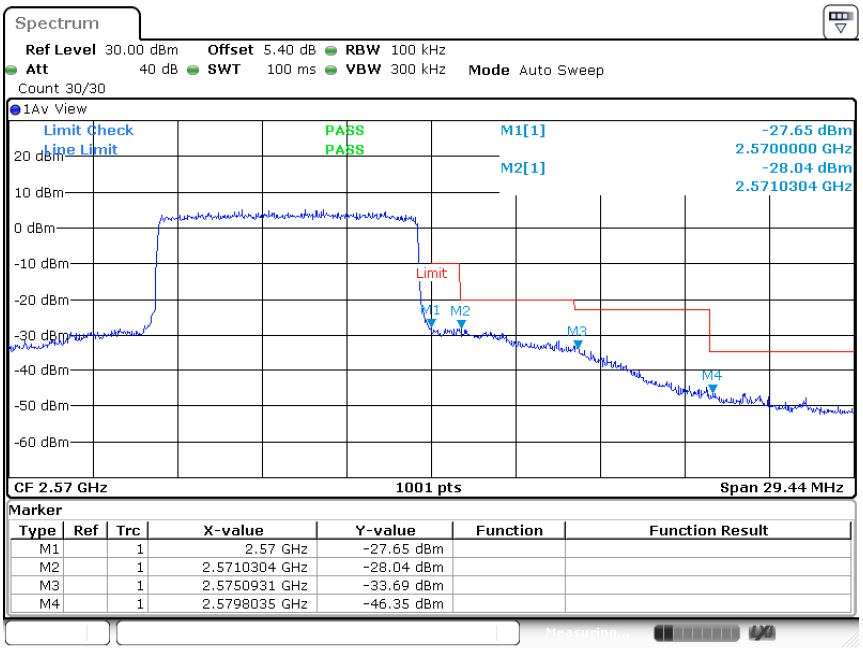

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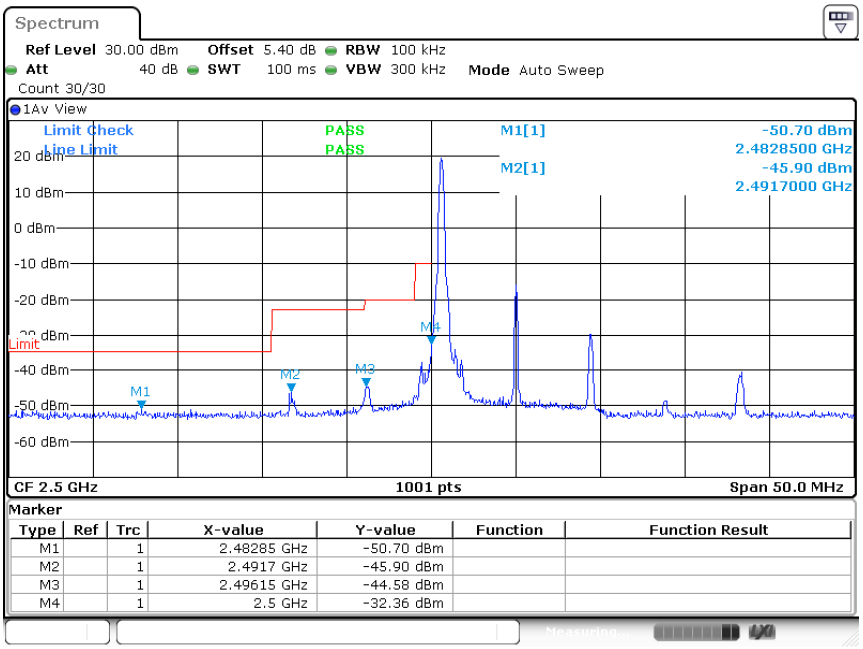

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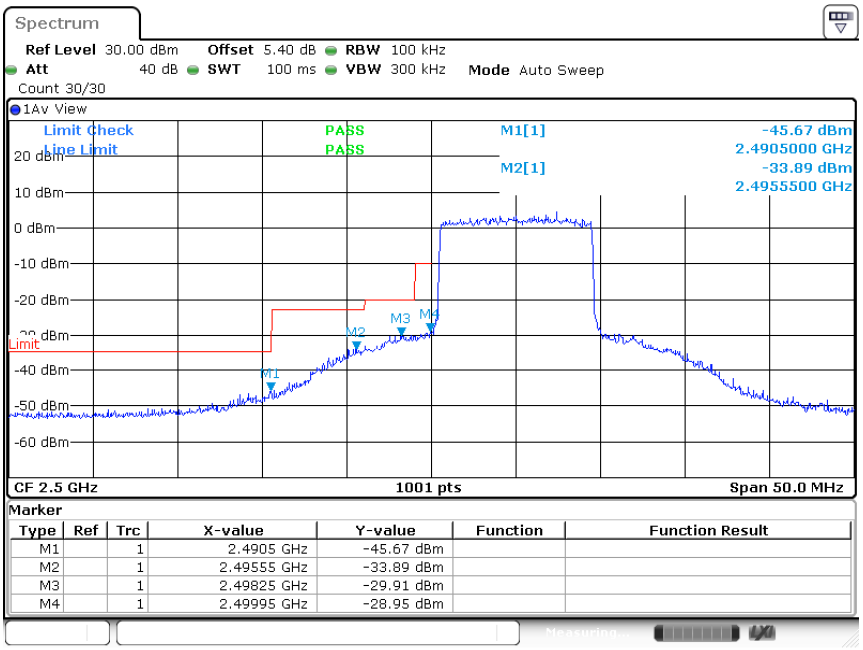

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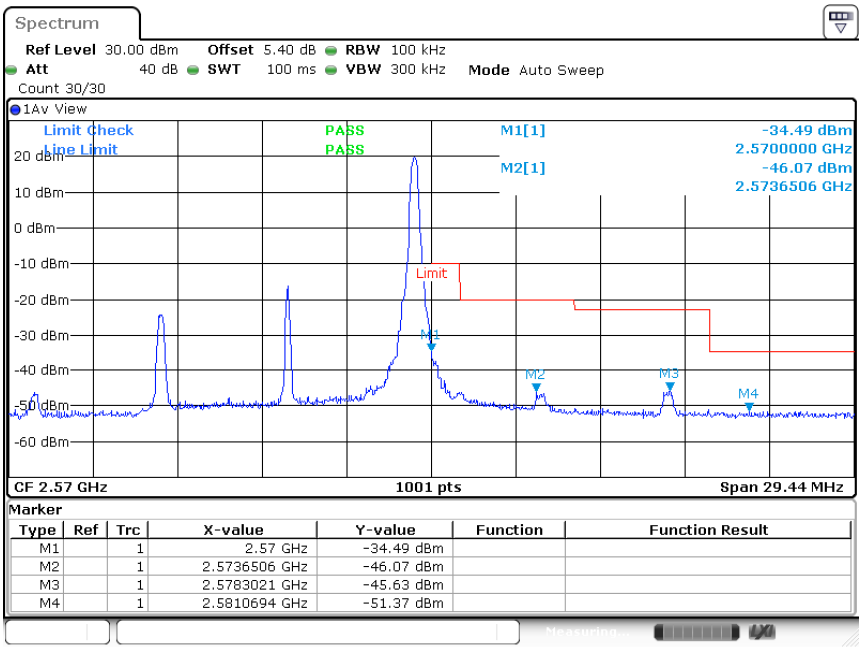
Band7-10MHz-64QAM-21400-1RB#49



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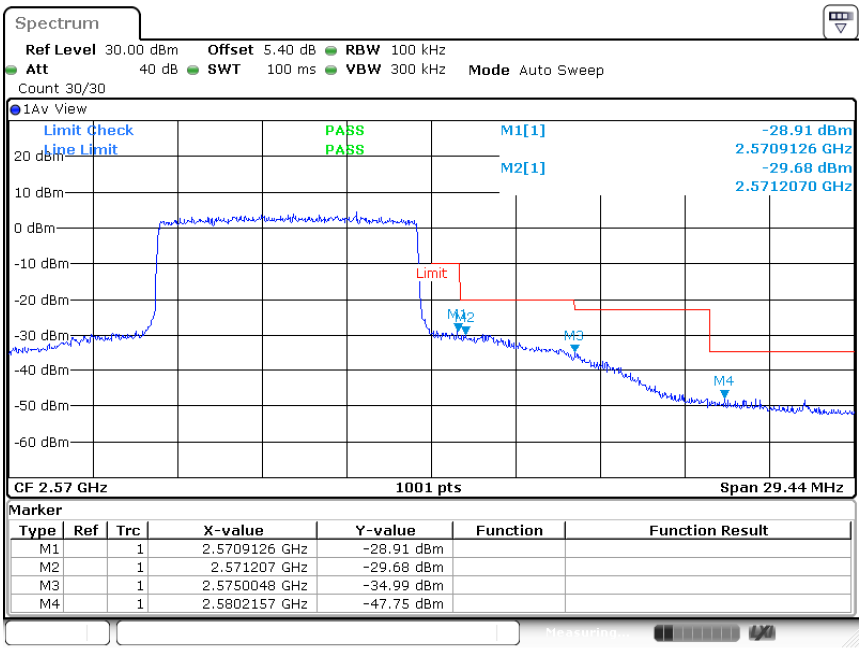
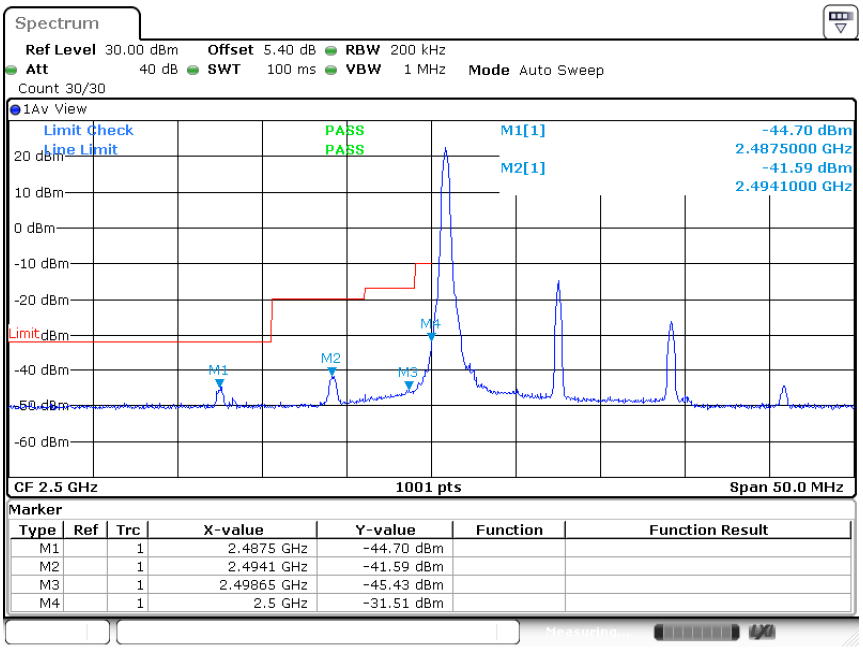


Date: 22.OCT.2020 17:14:00

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



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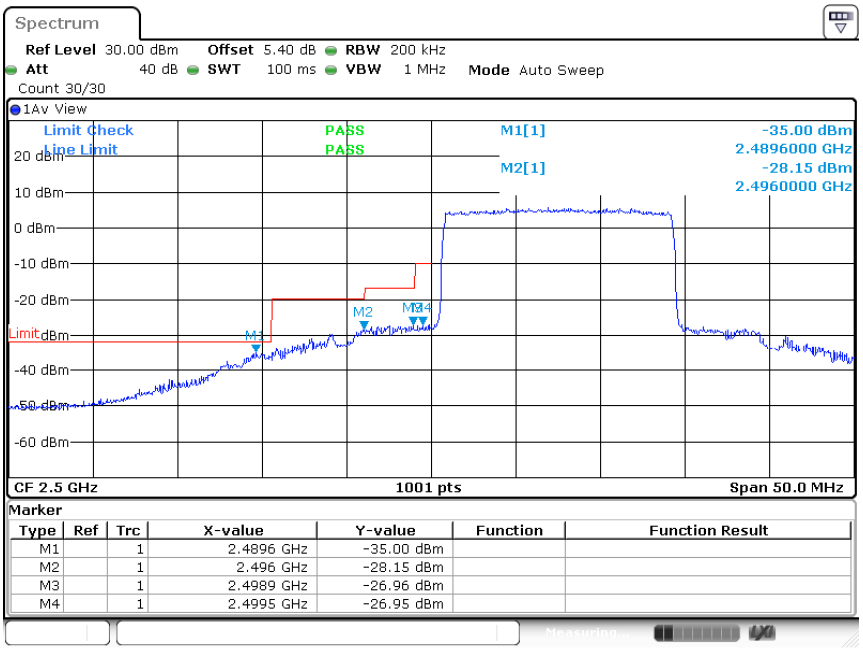

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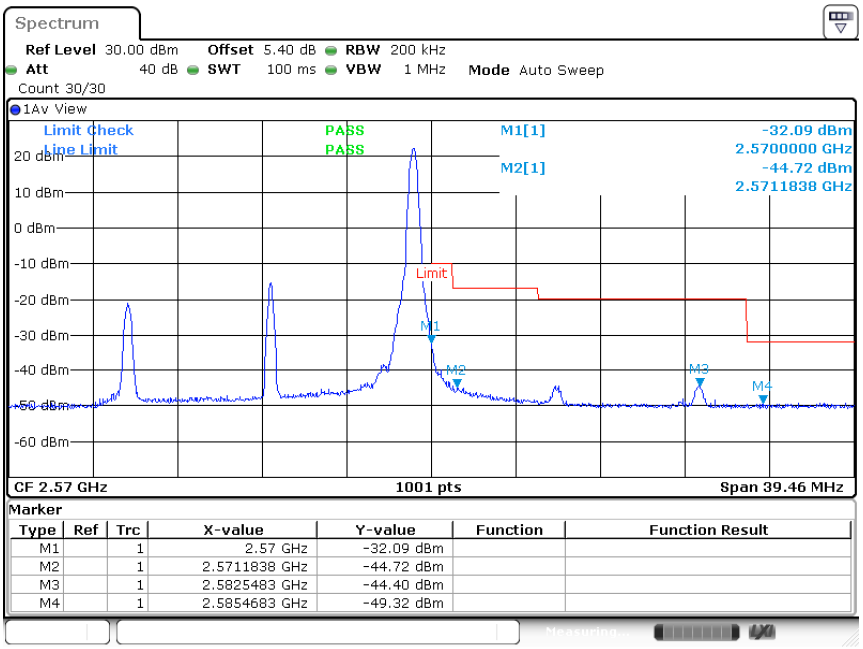
Band7-15MHz-QPSK-21375-1RB#74



Date: 22.OCT.2020 15:48:17

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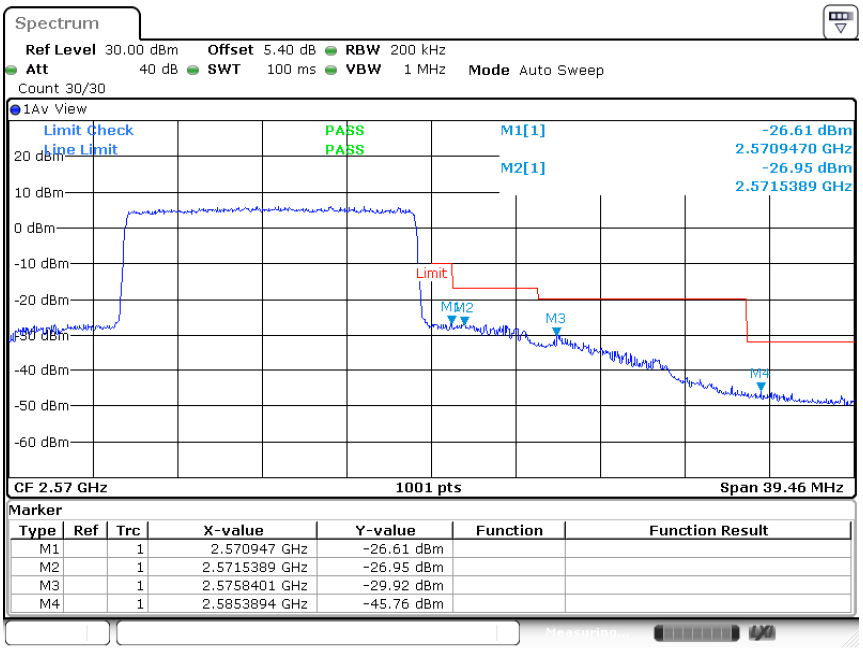

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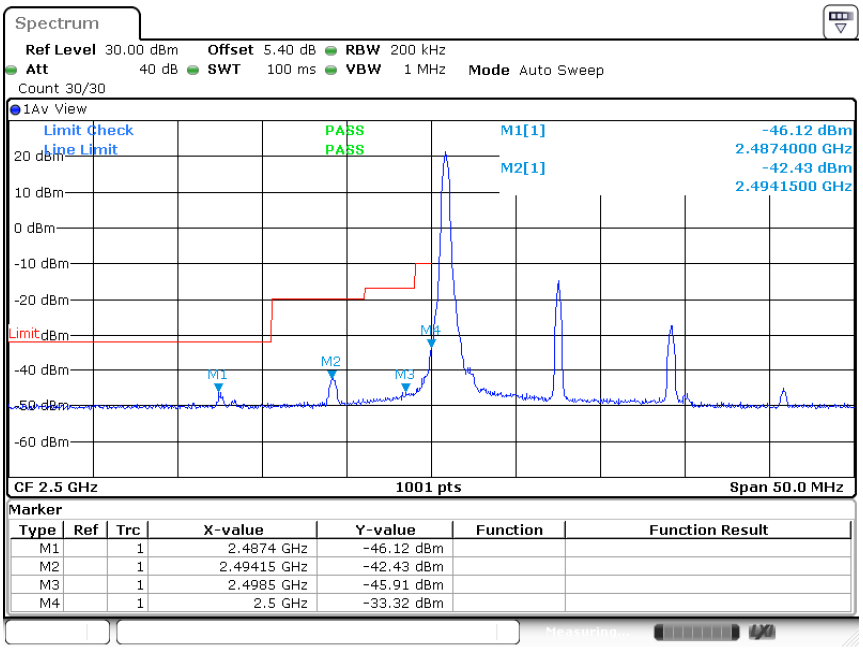
Band7-15MHz-16QAM-20825-1RB#0



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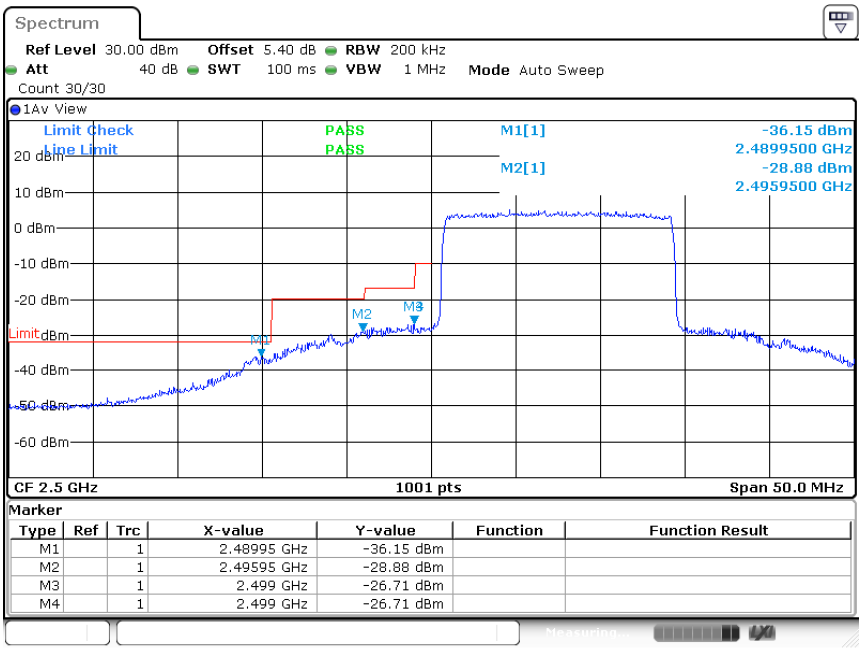

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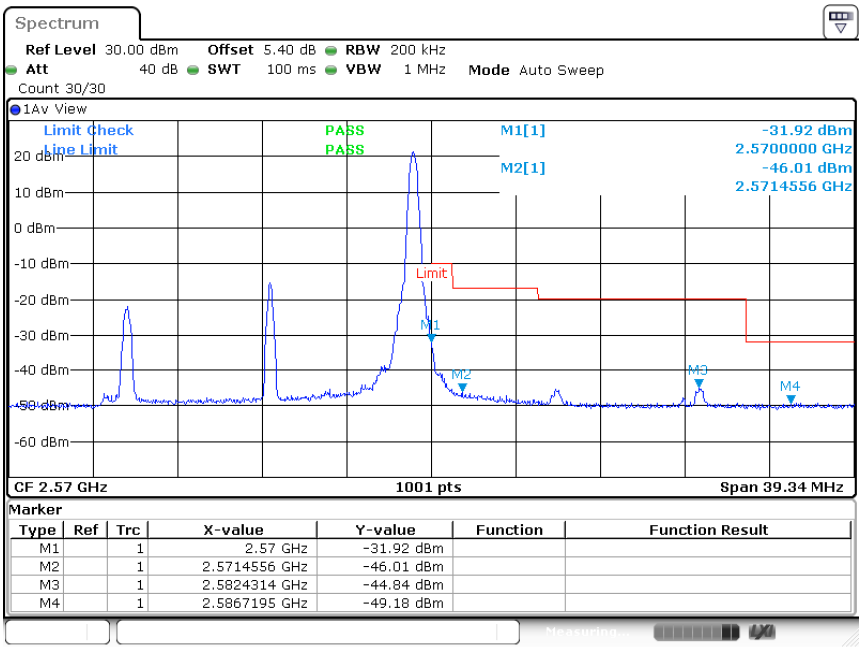
Band7-15MHz-16QAM-21375-1RB#74



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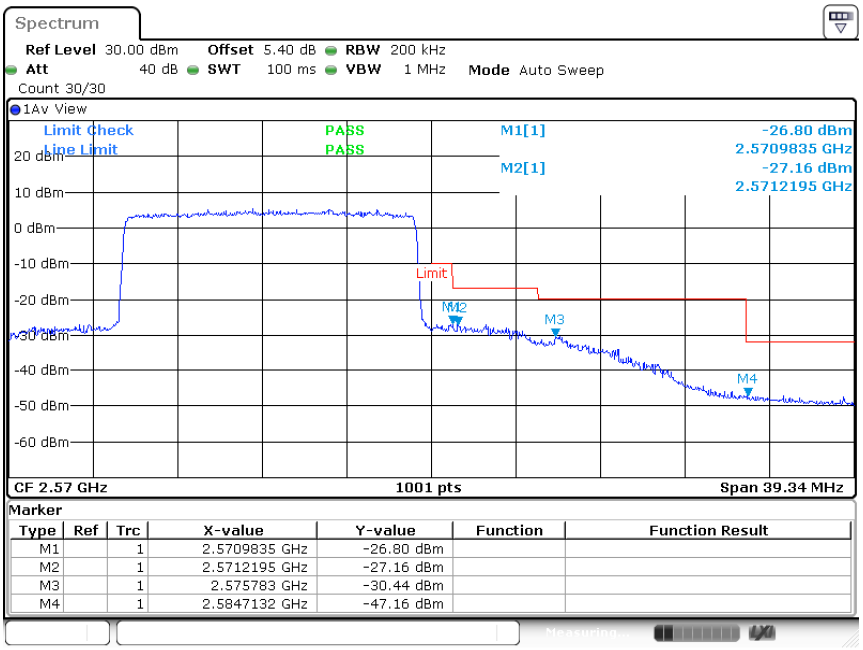

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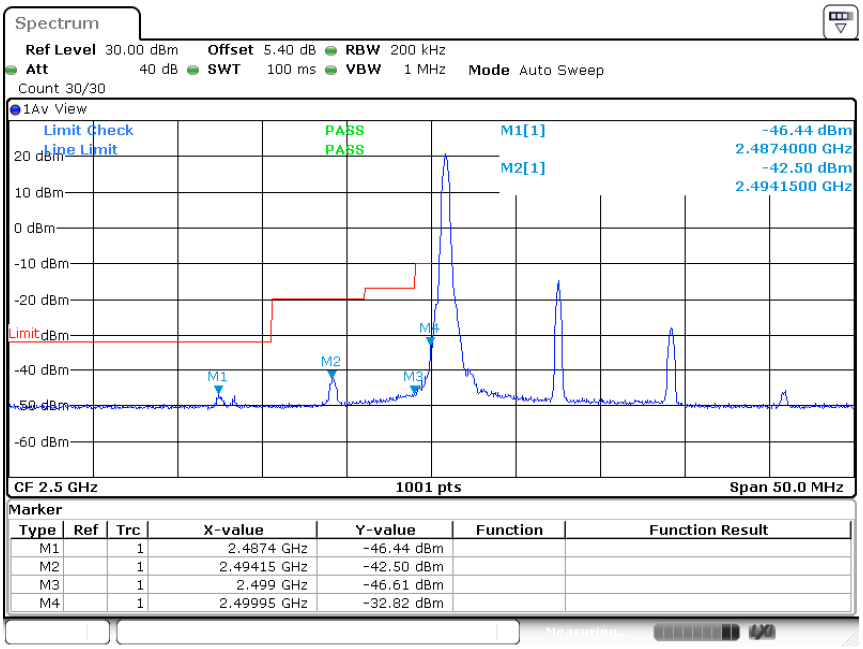
Band7-15MHz-64QAM-20825-1RB#0



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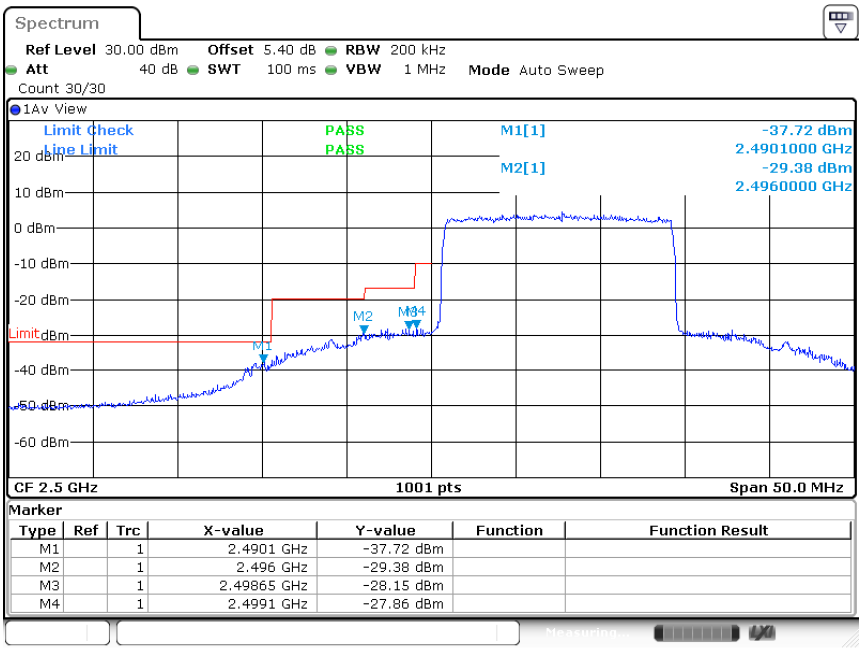

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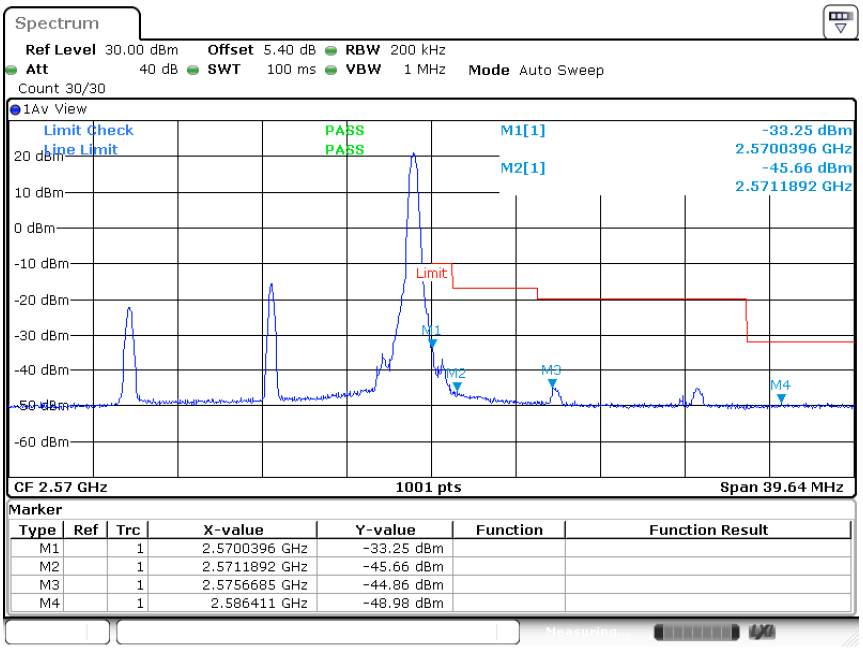
Band7-15MHz-64QAM-21375-1RB#74



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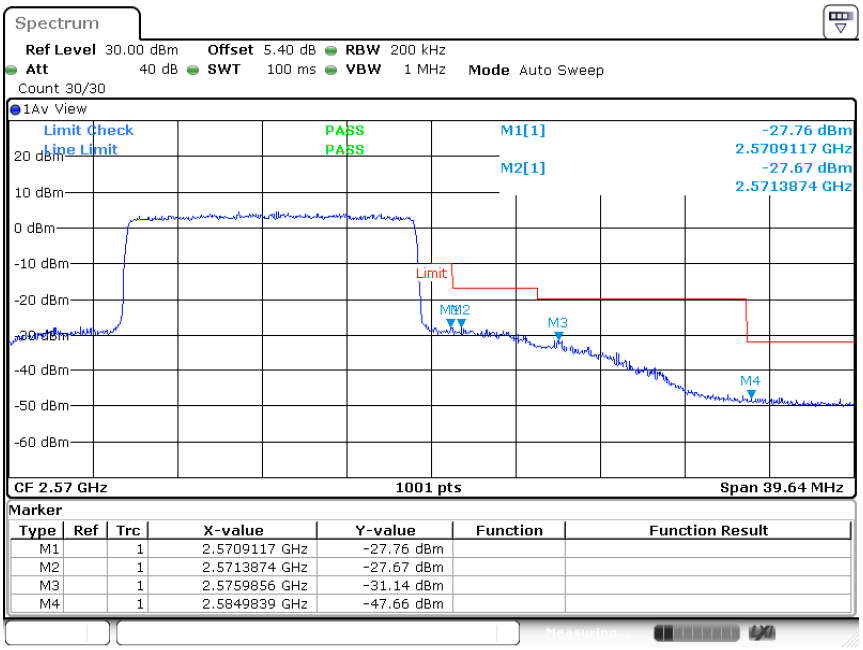

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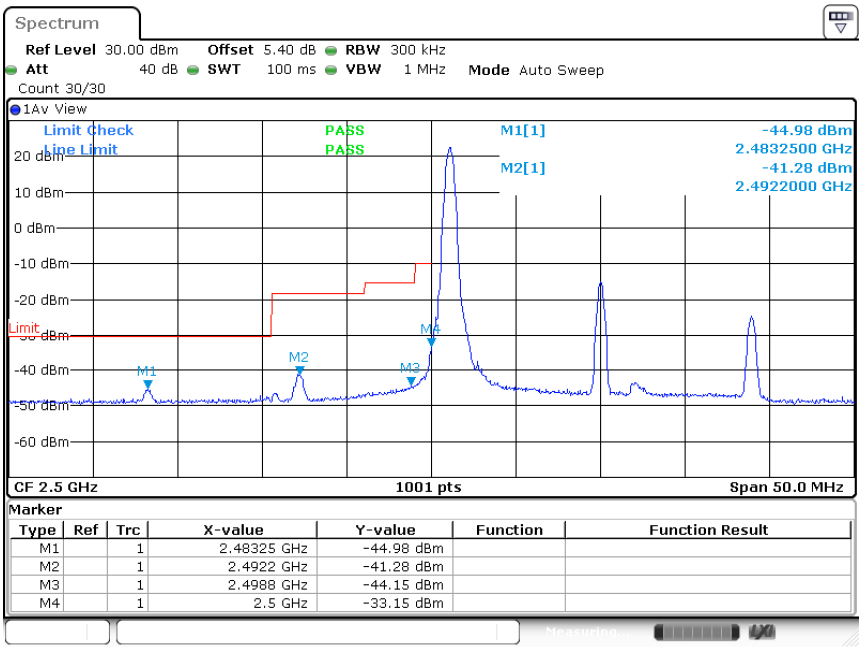
Band7-20MHz-QPSK-20850-1RB#0



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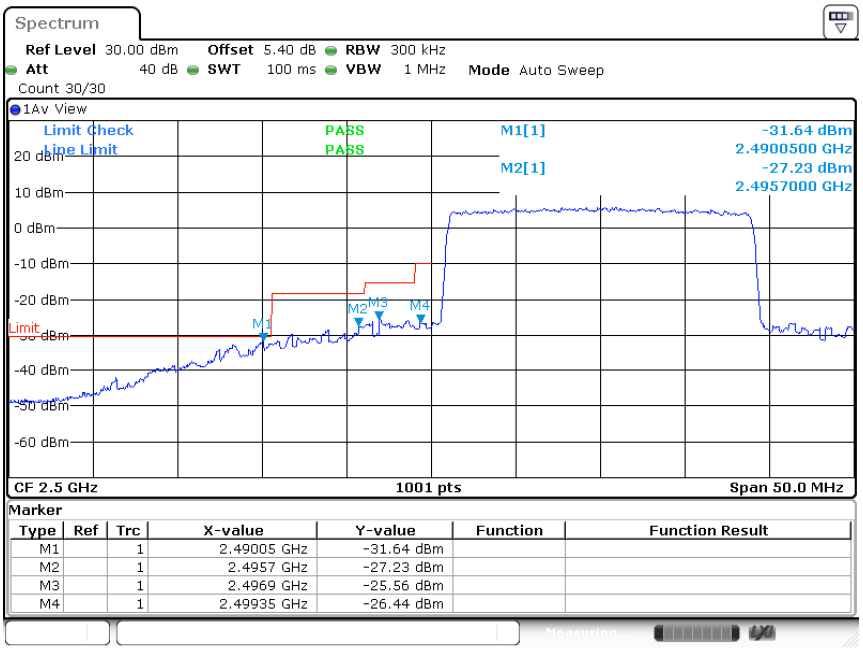

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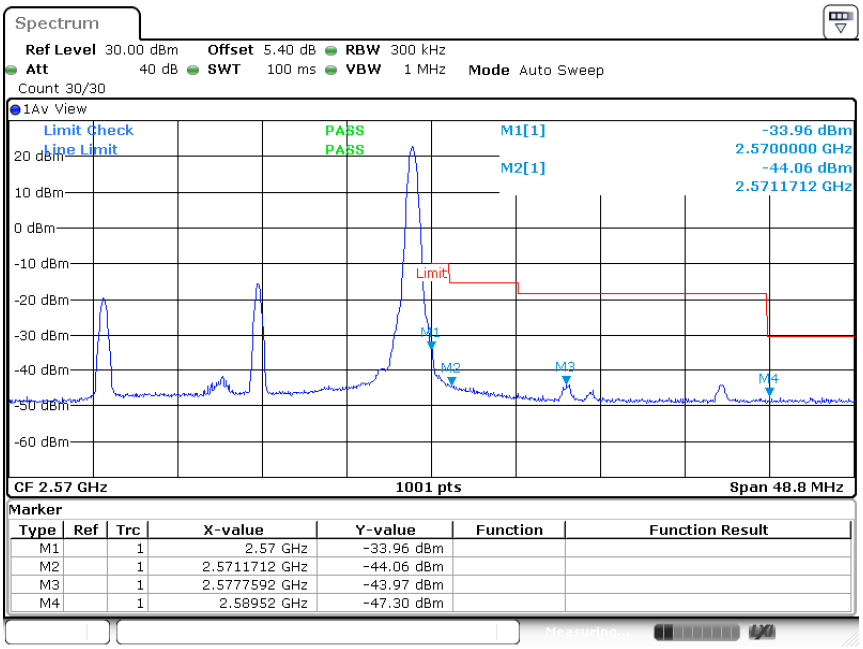
Band7-20MHz-QPSK-21350-1RB#99



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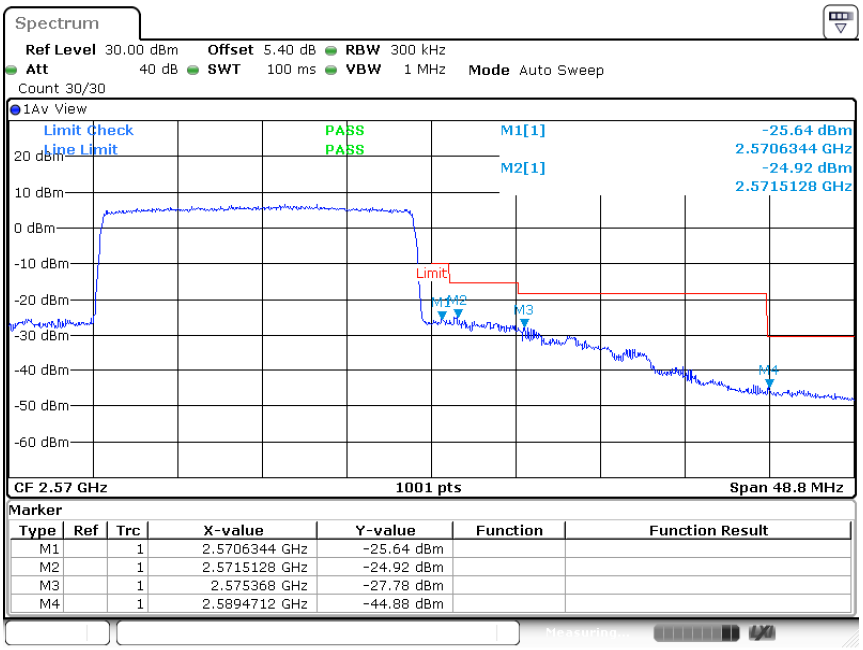

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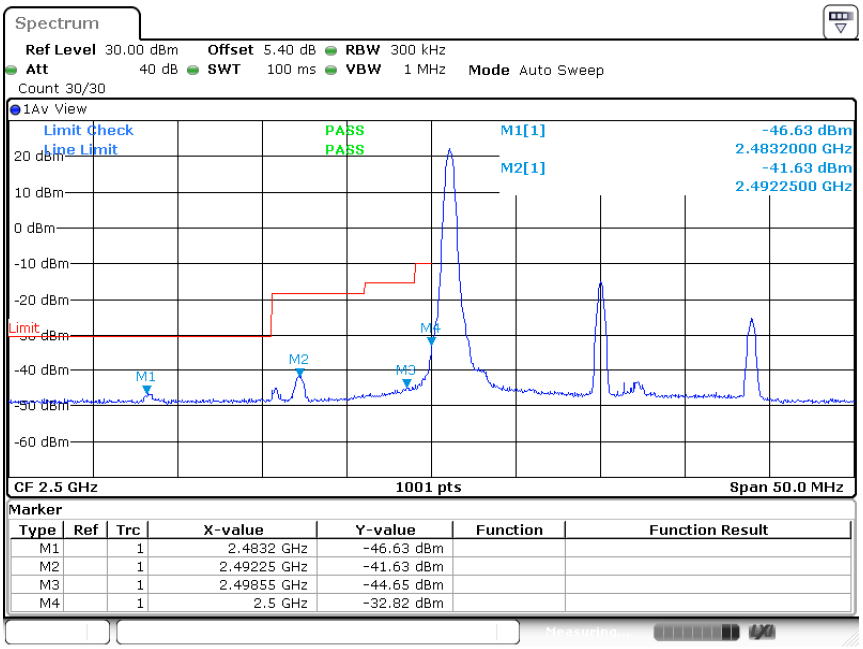
Band7-20MHz-16QAM-20850-1RB#0



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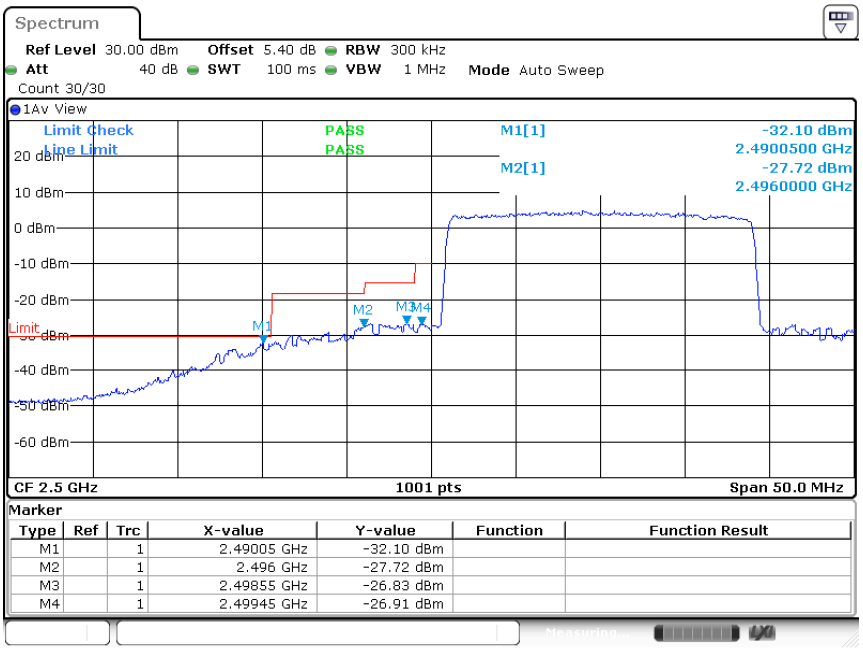

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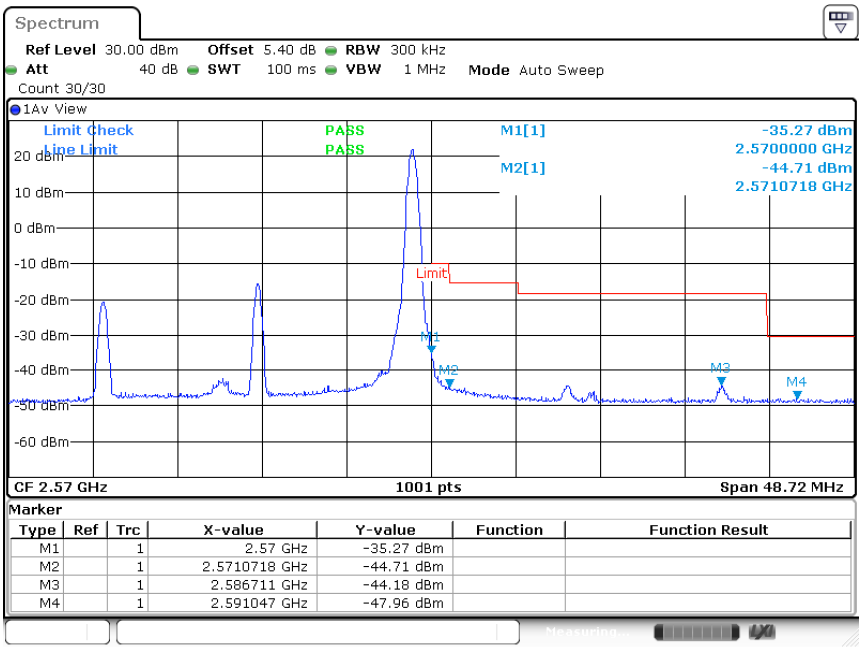
Band7-20MHz-16QAM-21350-1RB#99



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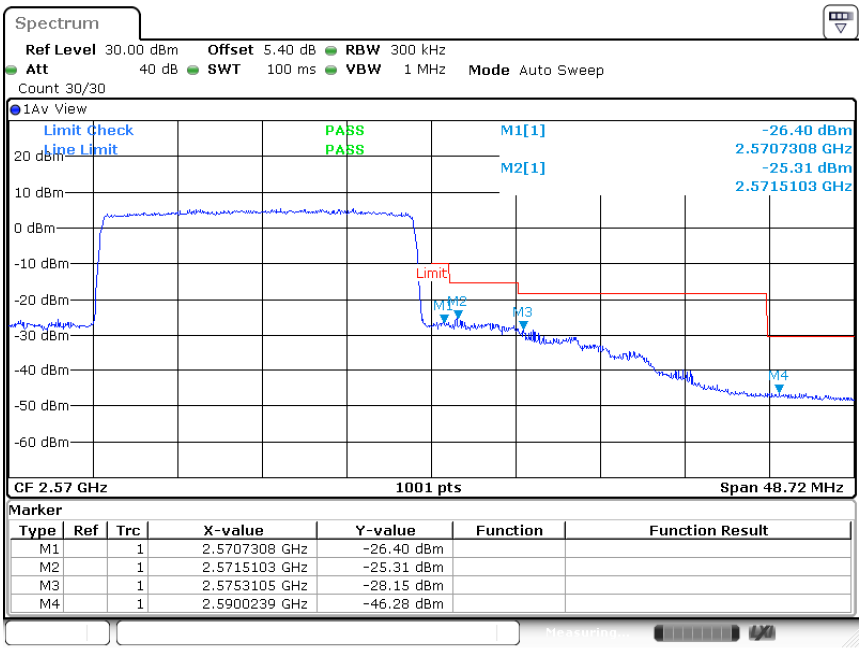
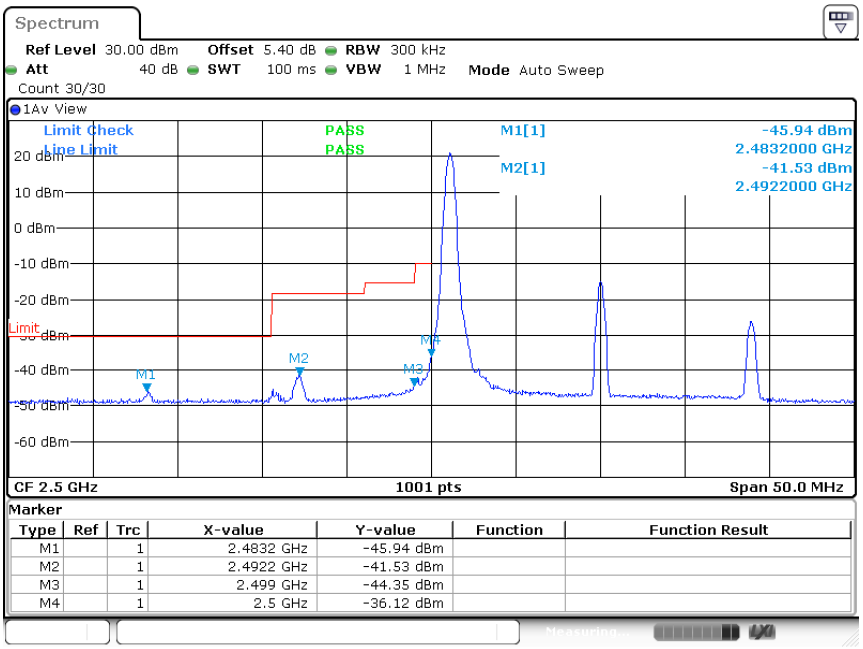


Date: 22.OCT.2020 15:51:57

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



Date: 22.OCT.2020 17:16:00

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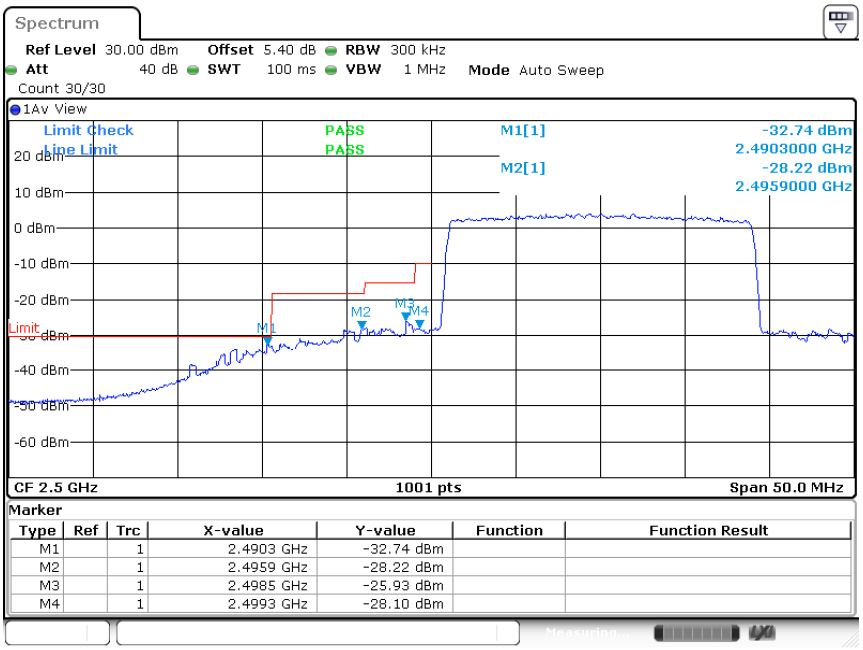
Band7-20MHz-64QAM-20850-100RB#0



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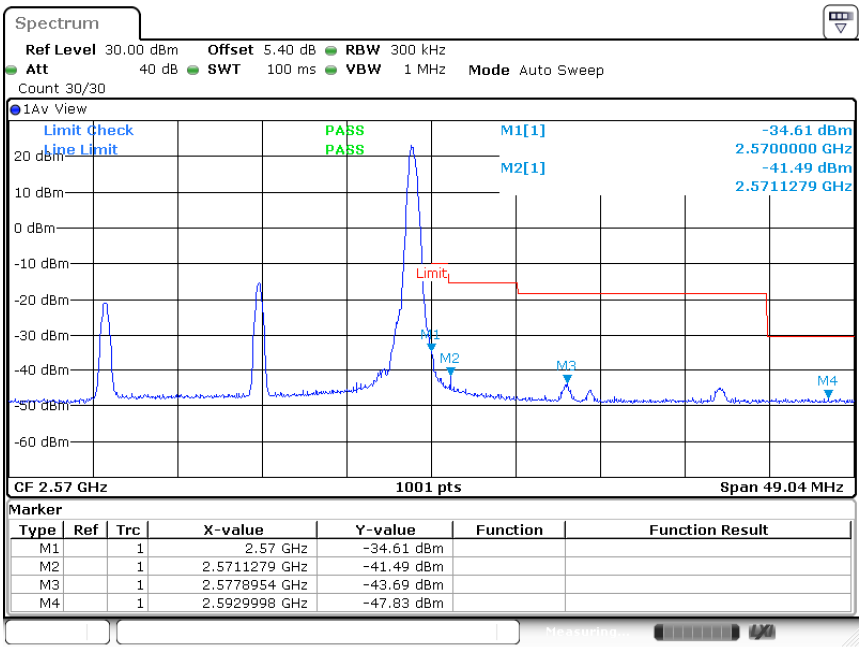

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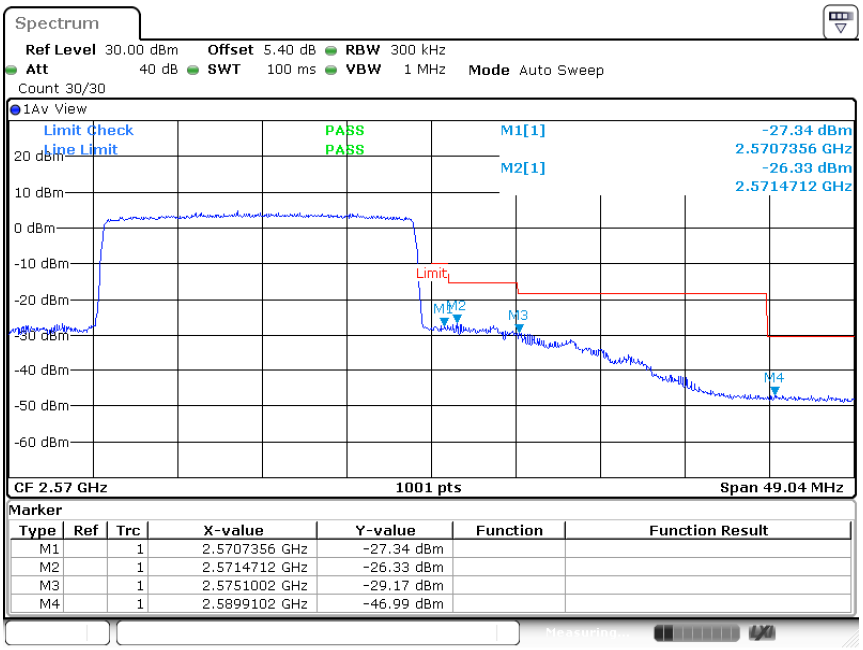
Band7-20MHz-64QAM-21350-100RB#0



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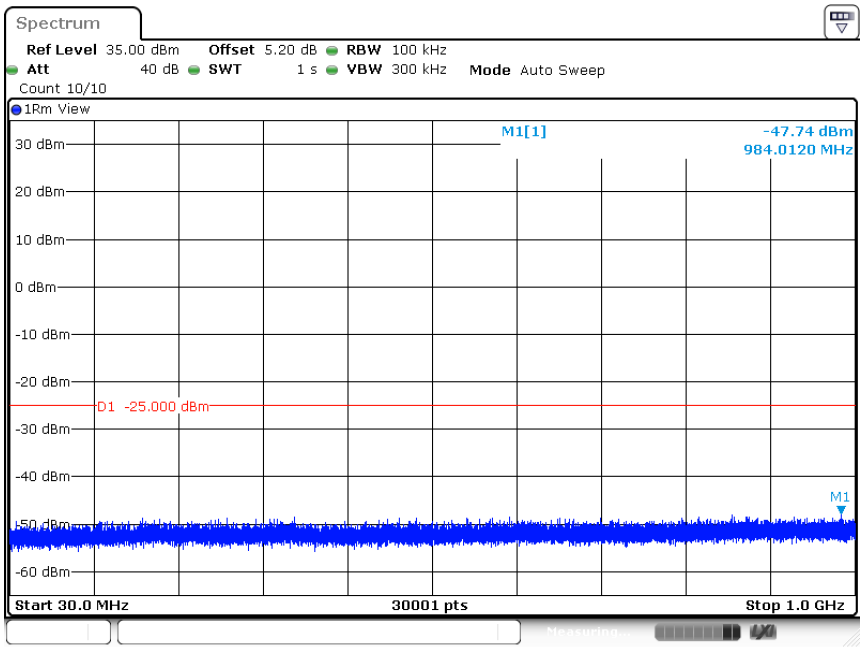
6 Spurious Emission at Antenna Terminal

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

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

6.1 Test Plots

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



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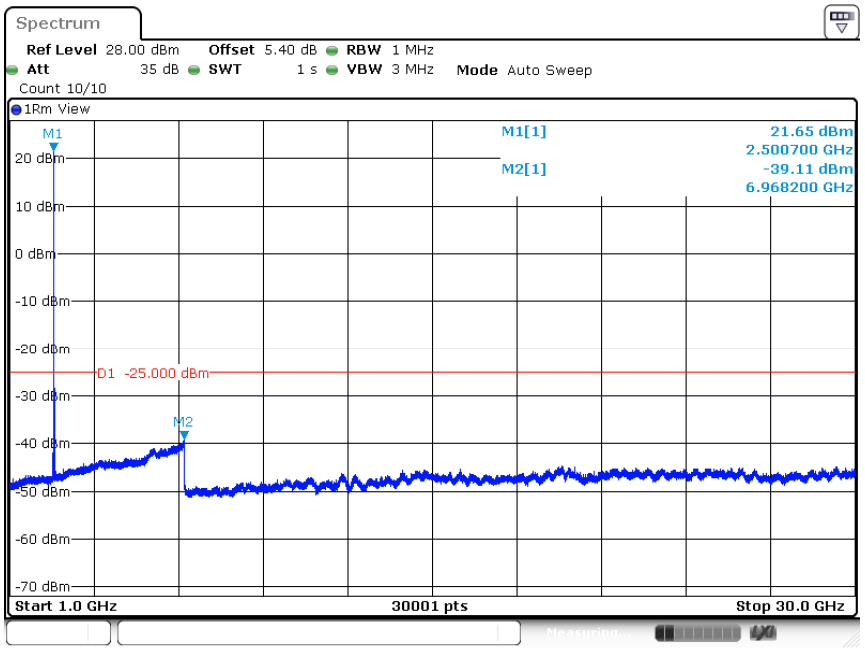
Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~30000MHz



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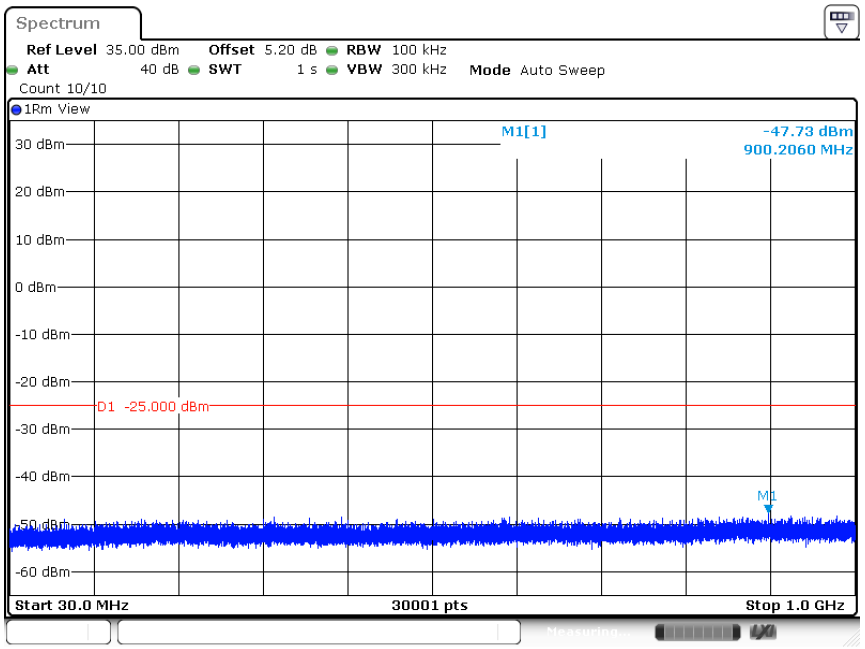
Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



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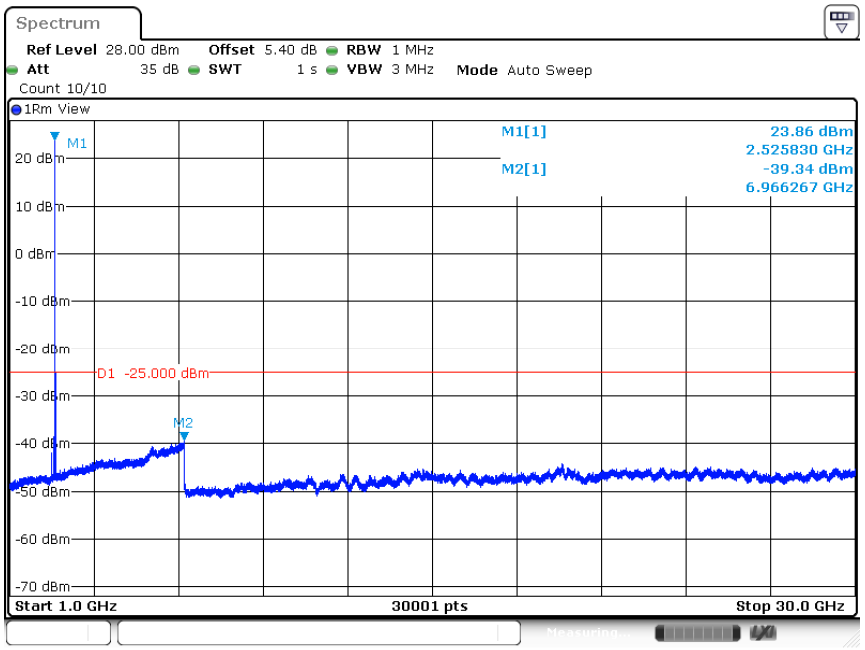
Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~30000MHz



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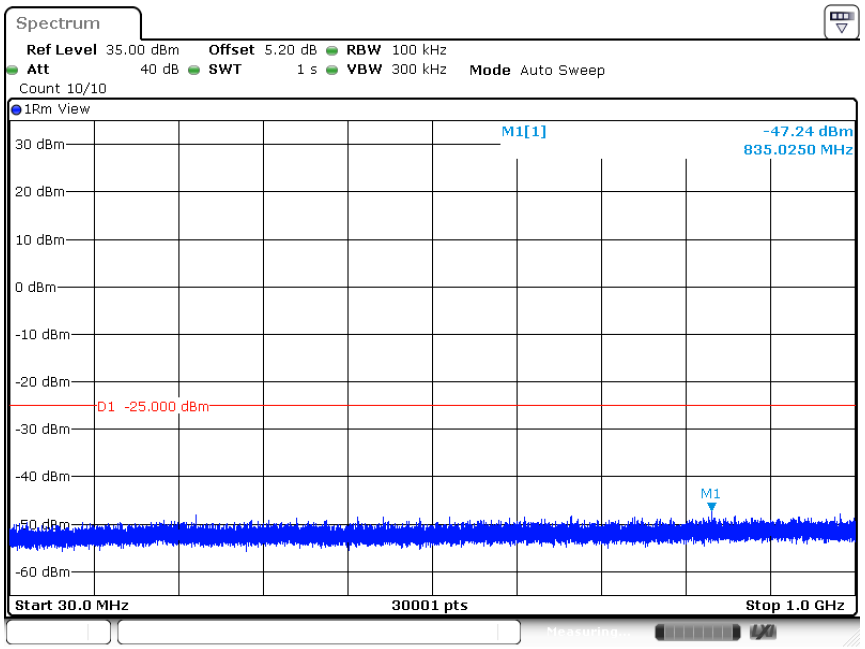
Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz



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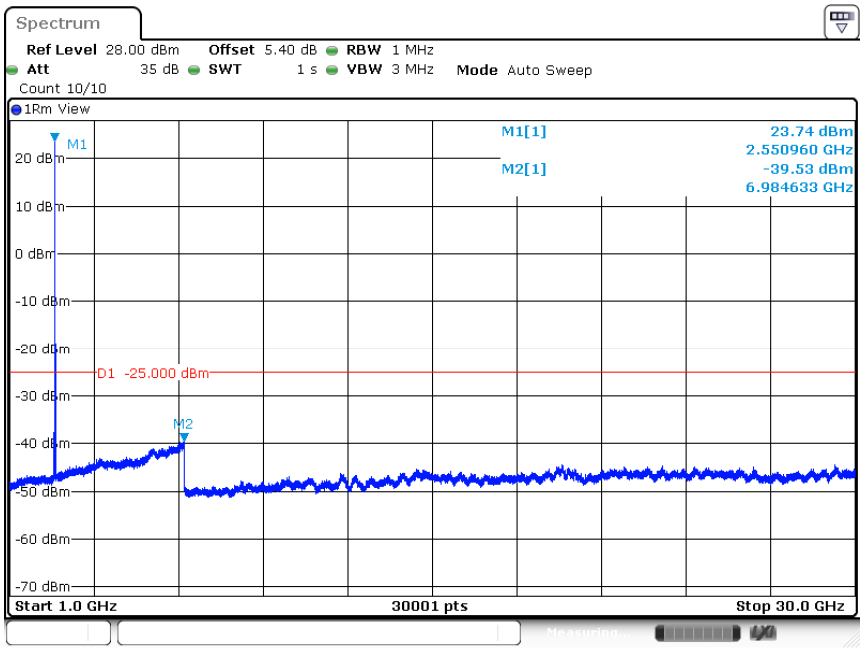
Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~30000MHz



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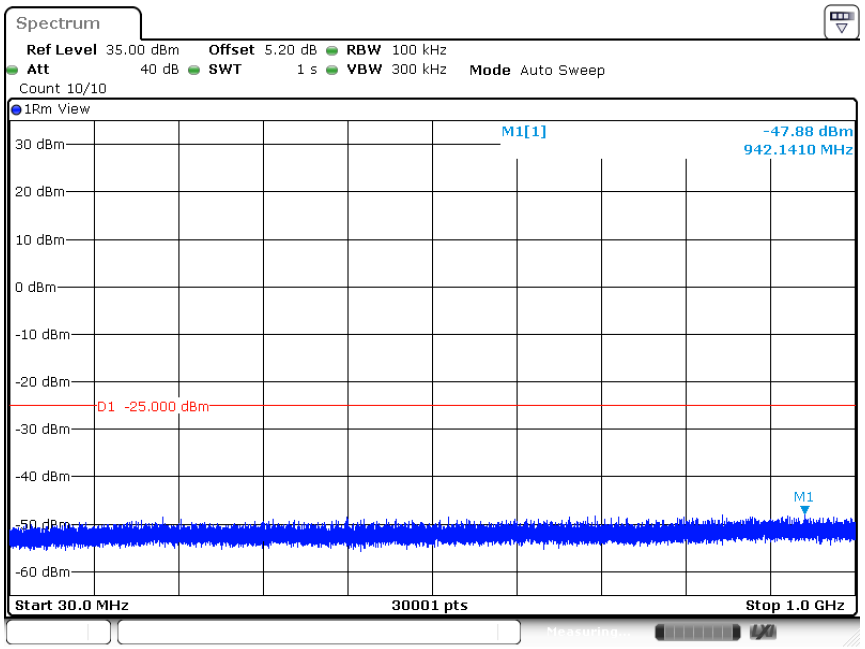

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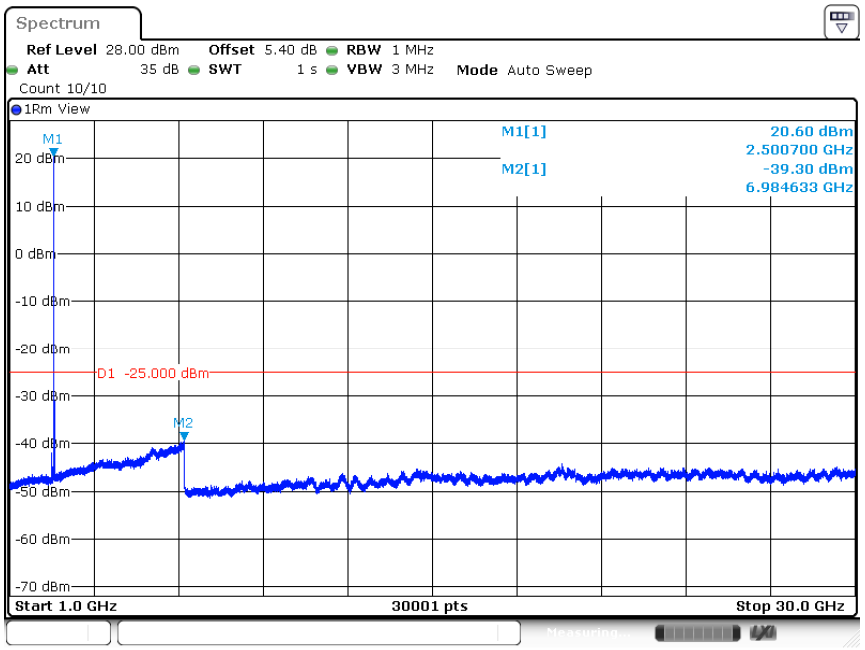

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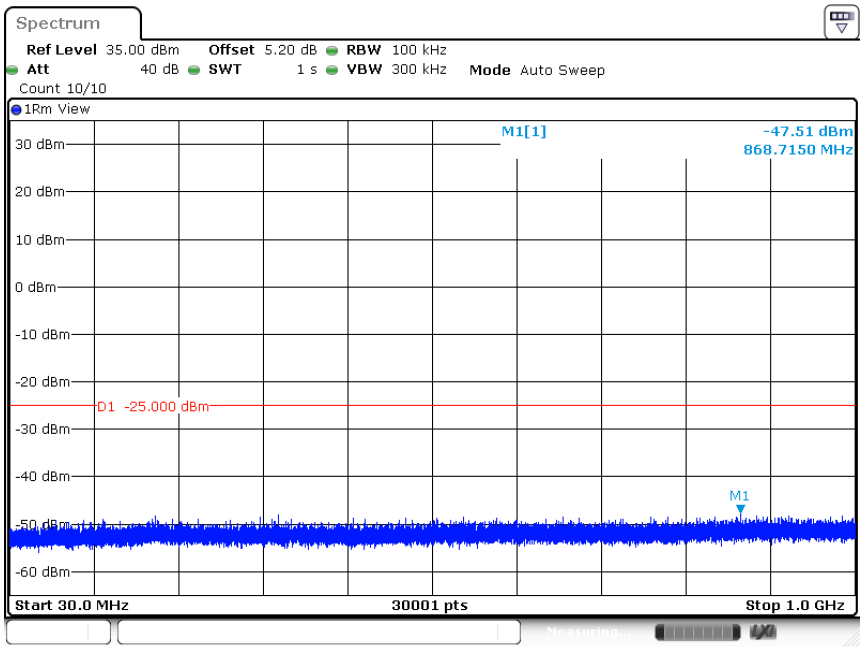

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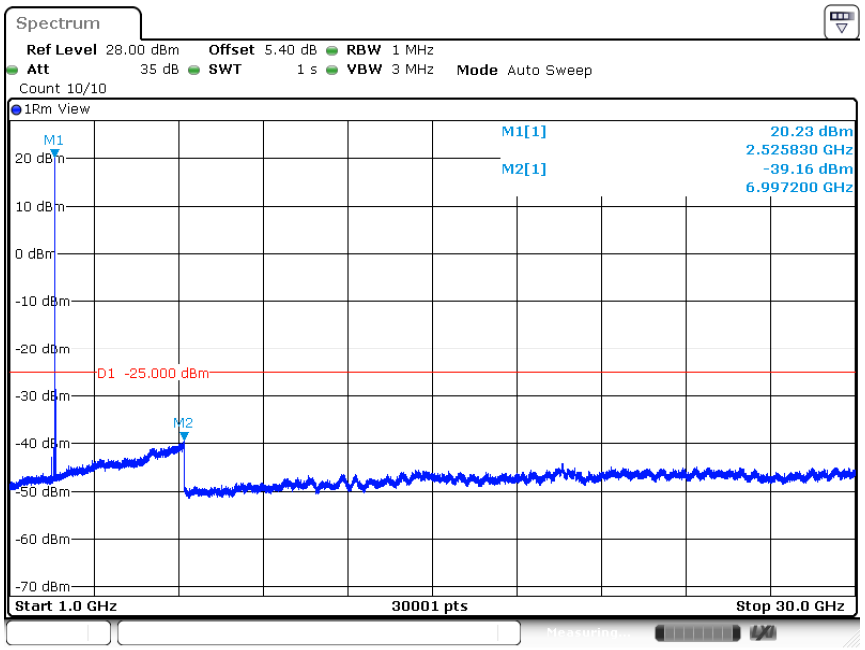

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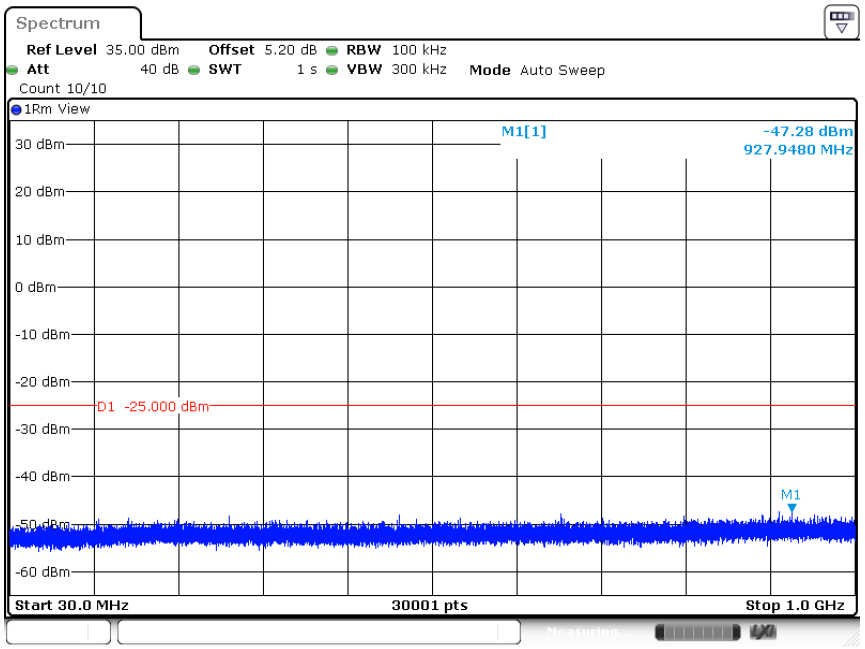

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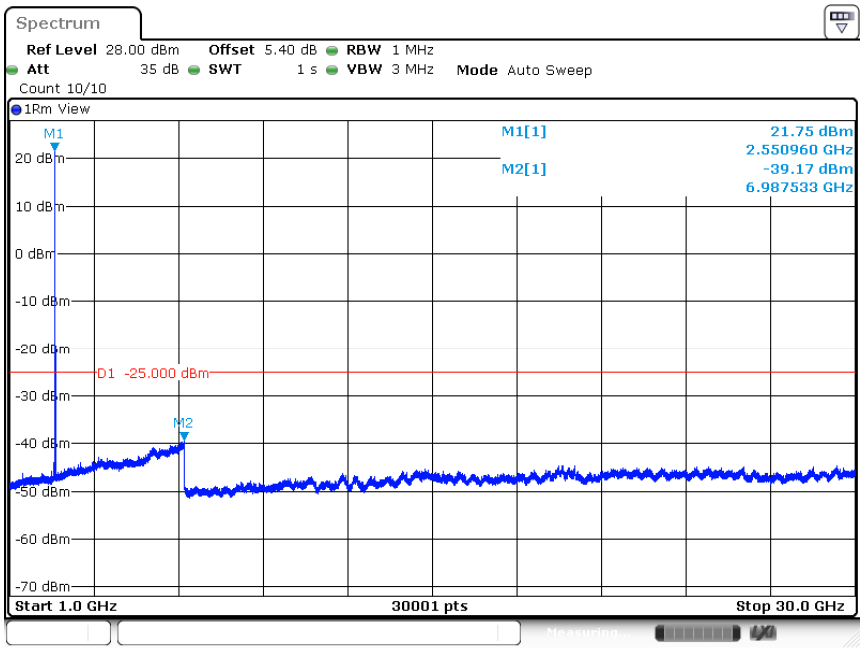

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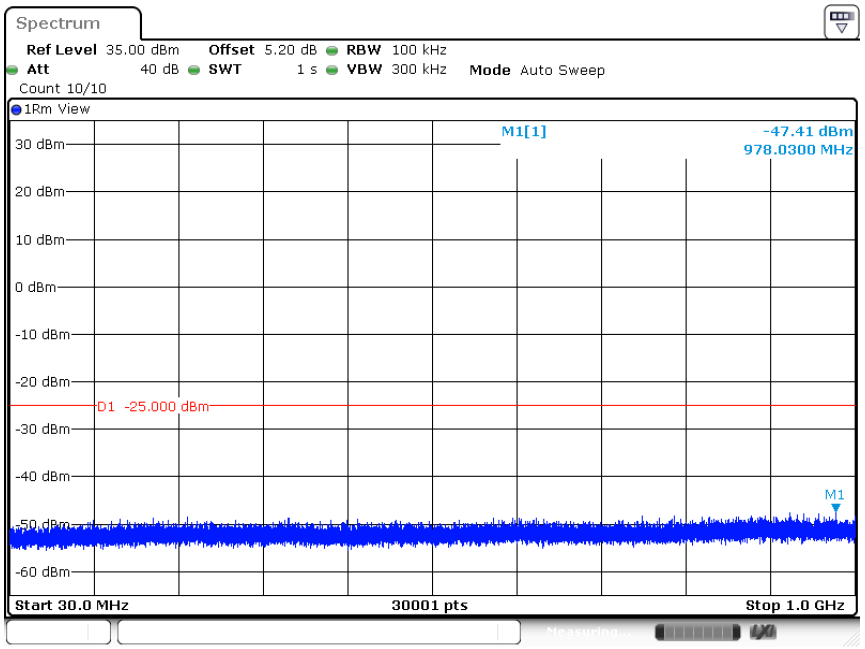
Band7-20MHz-64QAM-20850-1RB#0-Range1:30~1000MHz



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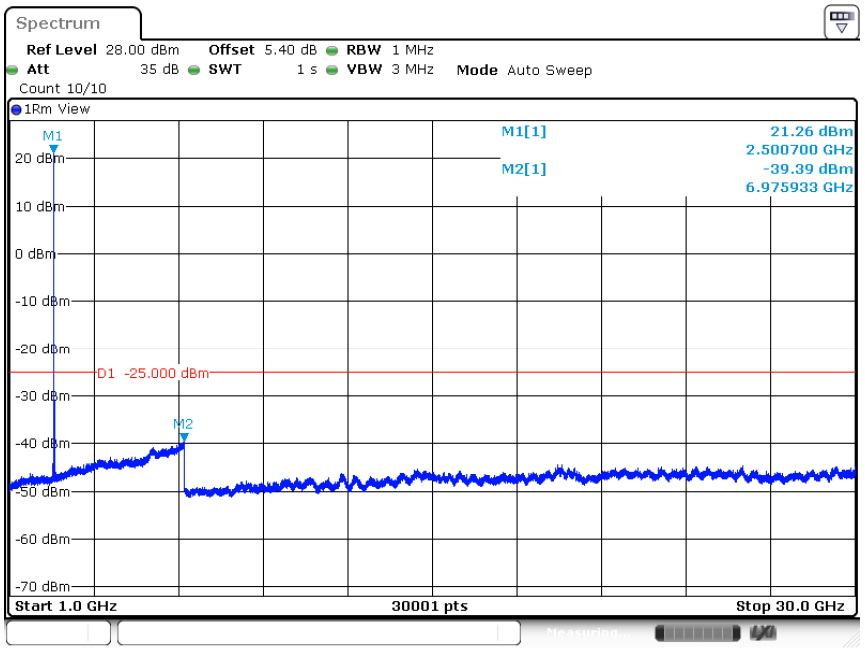
Band7-20MHz-64QAM-20850-1RB#0-Range2:1000~30000MHz



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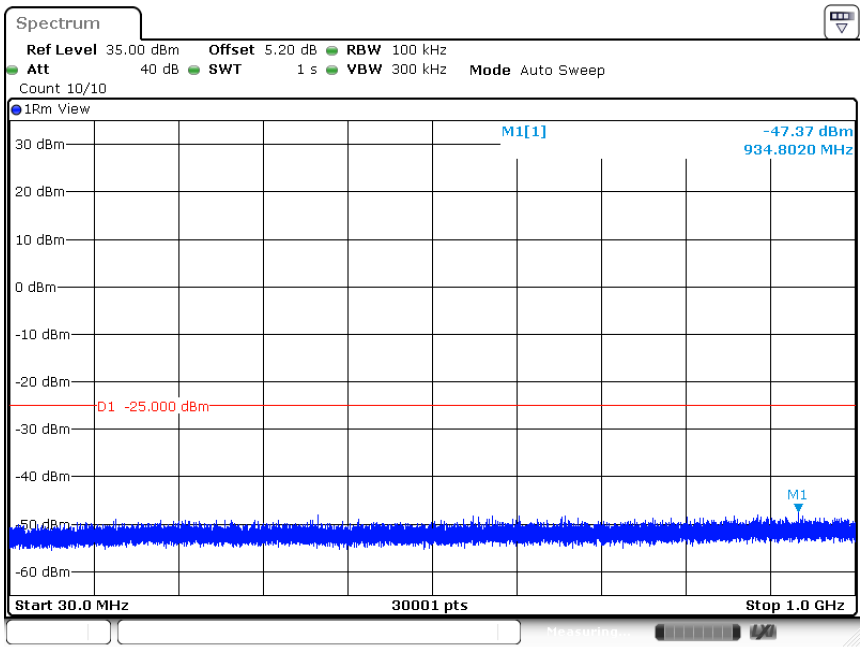
Band7-20MHz-64QAM-21100-1RB#0-Range1:30~1000MHz



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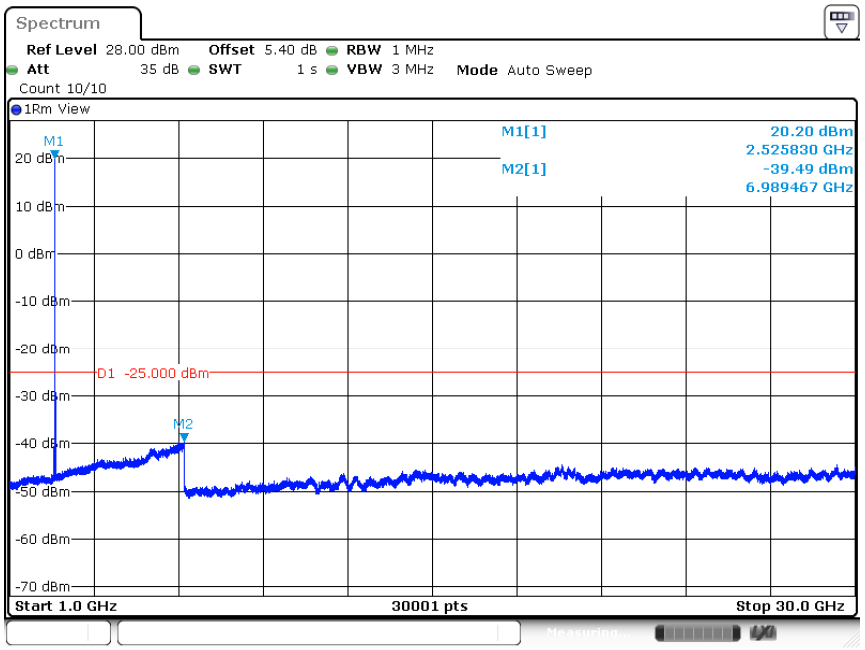
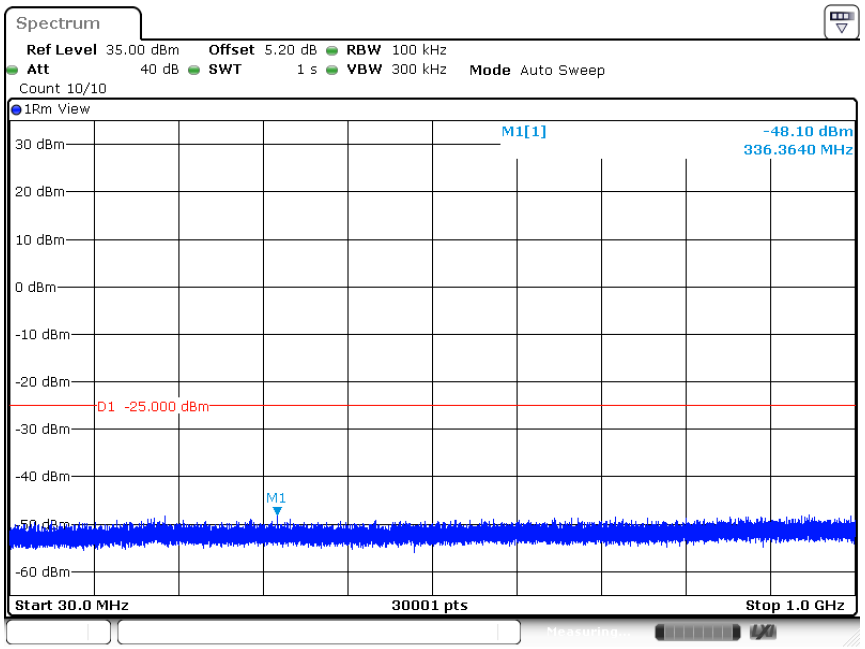
Band7-20MHz-64QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 22.OCT.2020 17:18:28

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



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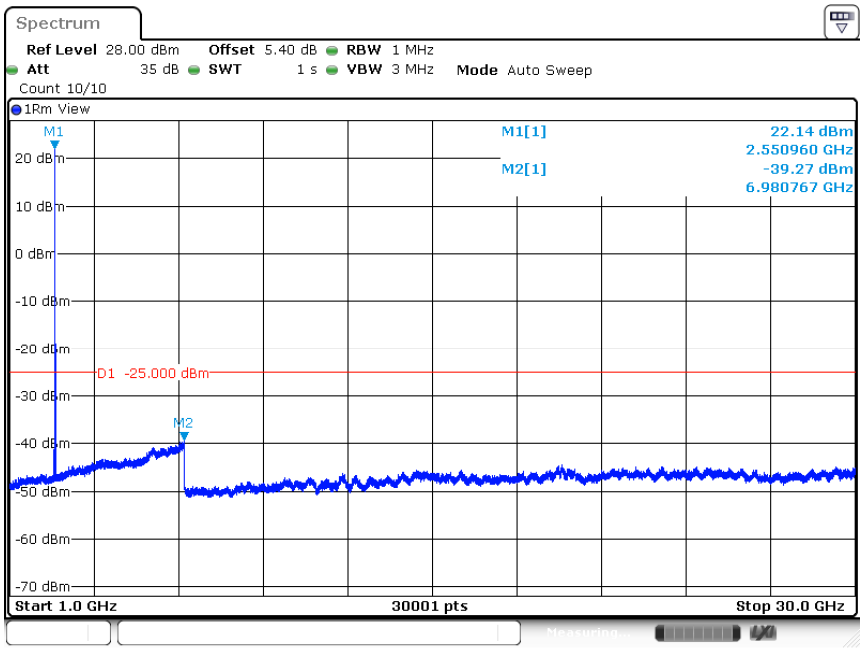
Band7-20MHz-64QAM-21350-1RB#0-Range2:1000~30000MHz



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7 Field Strength of Spurious Radiation

Firstly Supply:

7.1 Test Band = LTE_7 _TM1

7.1.1 Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.2041	-63.93	-25.00	38.93	Horizontal
2	231.6246	-67.80	-25.00	42.80	Horizontal
3	5002.2801	-61.67	-25.00	36.67	Horizontal
4	7503.1801	-51.99	-25.00	26.99	Horizontal
5	12505.580	-49.74	-25.00	24.74	Horizontal
6	16381.735	-46.80	-25.00	21.80	Horizontal

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7.2 Test Band = LTE_7 _TM1

7.2.1 Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	30.6790	-70.34	-25.00	45.34	Vertical
2	111.0961	-63.64	-25.00	38.64	Vertical
3	5002.2801	-63.36	-25.00	38.36	Vertical
4	7503.1801	-55.47	-25.00	30.47	Vertical
5	12505.580	-51.76	-25.00	26.76	Vertical
6	17999.400	-42.61	-25.00	17.61	Vertical

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7.3 Test Band = LTE_7 _TM1

7.3.1 Test Channel = Middle Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.2112	-63.53	-25.00	38.53	Horizontal
2	81.1216	-74.88	-25.00	49.88	Horizontal
3	233.8557	-67.56	-25.00	42.56	Horizontal
4	5052.0821	-60.23	-25.00	35.23	Horizontal
5	7578.1831	-54.56	-25.00	29.56	Horizontal
6	12630.385	-48.22	-25.00	23.22	Horizontal

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7.4 Test Band = LTE_7 _TM1

7.4.1 Test Channel = Middle Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	30.5335	-72.90	-25.00	47.90	Vertical
2	111.8236	-64.54	-25.00	39.54	Vertical
3	749.1940	-61.44	-25.00	36.44	Vertical
4	7578.1831	-57.14	-25.00	32.14	Vertical
5	10104.284	-52.98	-25.00	27.98	Vertical
6	17996.999	-42.80	-25.00	17.80	Vertical

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7.5 Test Band = LTE_7 _TM1

7.5.1 Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.5621	-64.24	-25.00	39.24	Horizontal
2	226.1923	-68.61	-25.00	43.61	Horizontal
3	597.4299	-62.41	-25.00	37.41	Horizontal
4	5101.8841	-60.45	-25.00	35.45	Horizontal
5	7653.1861	-56.66	-25.00	31.66	Horizontal
6	16397.335	-46.52	-25.00	21.52	Horizontal

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7.6 Test Band = LTE_7 _TM1

7.6.1 Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	32.4736	-72.79	-25.00	47.79	Vertical
2	110.6595	-64.72	-25.00	39.72	Vertical
3	586.6138	-63.73	-25.00	38.73	Vertical
4	5102.4841	-62.20	-25.00	37.20	Vertical
5	7653.7862	-57.90	-25.00	32.90	Vertical
6	17998.800	-42.14	-25.00	17.14	Vertical

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Secondly Supply：

7.7 Test Band = LTE_7 _TM1

7.7.1 Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	39.1185	-64.28	-25.00	39.28	Horizontal
2	760.5920	-61.62	-25.00	36.62	Horizontal
3	1806.1612	-43.80	-25.00	18.80	Horizontal
4	5102.4841	-54.86	-25.00	29.86	Horizontal
5	7653.1861	-52.31	-25.00	27.31	Horizontal
6	16375.735	-45.87	-25.00	20.87	Horizontal

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7.8 Test Band = LTE_7 _TM1

7.8.1 Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	79.2785	-60.34	-25.00	35.34	Vertical
2	751.6676	-62.82	-25.00	37.82	Vertical
3	1724.5449	-44.54	-25.00	19.54	Vertical
4	5101.8841	-48.99	-25.00	23.99	Vertical
5	7653.1861	-49.41	-25.00	24.41	Vertical
6	17995.199	-41.02	-25.00	16.02	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

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	1.80	0.000717	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	1.50	0.000598	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	3.10	0.001235	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-4.70	-0.001854	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-2.90	-0.001144	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-5.00	-0.001972	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	1.40	0.000547	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	3.00	0.001172	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	1.90	0.000742	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	0.20	0.000080	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	1.60	0.000637	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	3.00	0.001195	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-4.20	-0.001657	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-1.60	-0.000631	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-1.10	-0.000434	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	-0.90	-0.000352	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-1.20	-0.000469	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	0.80	0.000313	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VL	NT	1.80	0.000717	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VN	NT	2.90	0.001155	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	VH	NT	0.20	0.000080	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VL	NT	-2.70	-0.001065	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VN	NT	-4.70	-0.001854	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	VH	NT	-3.40	-0.001341	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VL	NT	1.30	0.000508	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VN	NT	-1.10	-0.000430	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	VH	NT	0.20	0.000078	±2.5	PASS

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8.2 Frequency Vs Temperature

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	2.60	0.001036	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	1.20	0.000478	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	0.00	0.000000	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	2.50	0.000996	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	0.00	0.000000	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	3.60	0.001434	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	2.50	0.000996	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	0.50	0.000199	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	2.40	0.000956	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-3.00	-0.001183	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-1.40	-0.000552	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-5.80	-0.002288	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-4.30	-0.001696	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-3.40	-0.001341	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-2.20	-0.000868	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-3.00	-0.001183	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-3.50	-0.001381	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-3.80	-0.001499	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	1.00	0.000391	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-0.70	-0.000273	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	0.80	0.000313	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-0.90	-0.000352	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	0.30	0.000117	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	1.40	0.000547	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	2.70	0.001055	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	1.30	0.000508	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-1.90	-0.000742	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	0.20	0.000080	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	3.30	0.001315	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-10	2.50	0.000996	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	2.30	0.000916	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	4.00	0.001594	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	3.00	0.001195	±2.5	PASS

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Band7	20MHz	16QAM	20850	100RB#0	NV	30	0.30	0.000120	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	3.00	0.001195	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	3.60	0.001434	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-6.10	-0.002406	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-3.60	-0.001420	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-10	-4.00	-0.001578	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-4.10	-0.001617	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-0.70	-0.000276	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-3.90	-0.001538	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-4.60	-0.001815	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	-5.30	-0.002091	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-3.70	-0.001460	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	-0.50	-0.000195	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	2.20	0.000859	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-10	0.70	0.000273	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	0.40	0.000156	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	-0.80	-0.000313	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	-0.30	-0.000117	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	-1.40	-0.000547	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	1.30	0.000508	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	0.50	0.000195	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-30	2.50	0.000996	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	-10	1.10	0.000438	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	0	3.50	0.001394	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	10	-0.60	-0.000239	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	20	1.10	0.000438	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	30	2.90	0.001155	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	40	-0.20	-0.000080	±2.5	PASS
Band7	20MHz	64QAM	20850	100RB#0	NV	50	2.80	0.001116	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-30	-4.80	-0.001893	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-20	-2.10	-0.000828	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	-10	-2.70	-0.001065	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	0	-5.30	-0.002091	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	10	-3.70	-0.001460	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	20	-1.60	-0.000631	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	30	-3.40	-0.001341	±2.5	PASS

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Band7	20MHz	64QAM	21100	100RB#0	NV	40	-1.60	-0.000631	±2.5	PASS
Band7	20MHz	64QAM	21100	100RB#0	NV	50	-3.00	-0.001183	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-30	0.70	0.000273	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-20	1.60	0.000625	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	-10	2.00	0.000781	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	0	1.60	0.000625	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	10	-0.10	-0.000039	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	20	-1.80	-0.000703	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	30	-0.20	-0.000078	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	40	-2.00	-0.000781	±2.5	PASS
Band7	20MHz	64QAM	21350	100RB#0	NV	50	0.70	0.000273	±2.5	PASS

The End

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