

Appendix B

E-UTRA Band 7



CONTENT

1	EFFECTIVE (ISOTROPIC) RADIATED POWER	4
	TEST RESULT	4
2	PEAK-TO-AVERAGE RATIO (CCDF).....	11
2.1	TEST RESULT	11
2.2	TEST PLOTS	11
3	MODULATION CHARACTERISTICS	16
3.1	TEST MODE = LTE /TM1 20MHZ.....	16
3.1.1	TEST CHANNEL = MCH	16
3.2	TEST MODE = LTE /TM2 20MHZ.....	17
3.2.1	TEST CHANNEL = MCH	17
3.3	TEST MODE = LTE /TM3 20MHZ.....	18
3.3.1	TEST CHANNEL = MCH	18
4	26DB BANDWIDTH AND OCCUPIED BANDWIDTH	19
4.1	TEST RESULT	19
4.2	TEST PLOTS	20
5	BAND EDGE COMPLIANCE	39
5.1	TEST PLOTS	39
6	SPURIOUS EMISSION AT ANTENNA TERMINAL	64
6.1	TEST PLOTS	64
7	FIELD STRENGTH OF SPURIOUS RADIATION	74
	FIRSTLY SUPPLY:.....	74
7.1	Test Band = LTE_7 _TM1	74
7.1.1	Test Channel = Low Channel	74
7.2	Test Band = LTE_7 _TM1	75
7.2.1	Test Channel = Low Channel	75
7.3	Test Band = LTE_7 _TM1	76
7.3.1	Test Channel = Middle Channel	76
7.4	Test Band = LTE_7 _TM1	77
7.4.1	Test Channel = Middle Channel	77
7.5	Test Band = LTE_7 _TM1	78



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7.5.1	Test Channel = High Channel	78
7.6	Test Band = LTE_7_TM1	79
7.6.1	Test Channel = High Channel	79
SECONDLY SUPPLY:		80
7.7	Test Band = LTE_7_TM1	80
7.7.1	Test Channel = High Channel	80
7.8	Test Band = LTE_7_TM1	81
7.8.1	Test Channel = High Channel	81
8	FREQUENCY STABILITY.....	82
8.1	FREQUENCY Vs VOLTAGE	82
8.2	FREQUENCY Vs TEMPERATURE	83



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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 [dBi]

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



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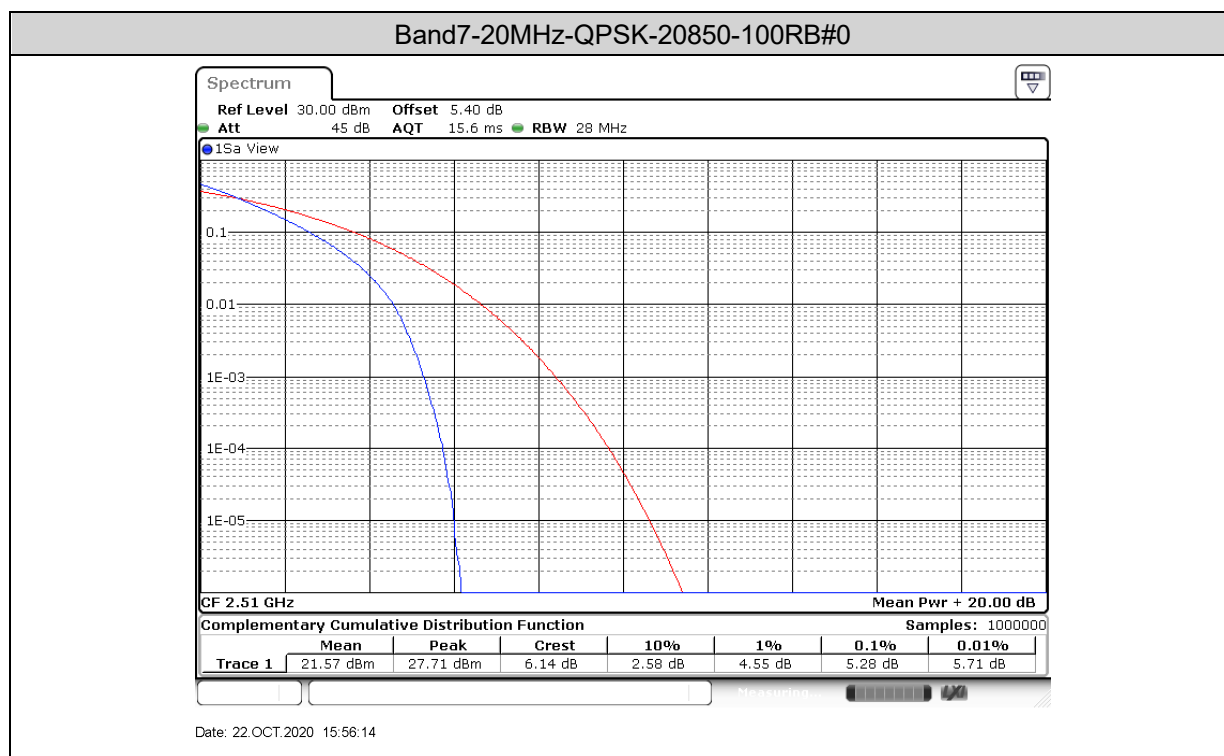
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2 Peak-to-Average Ratio (CCDF)

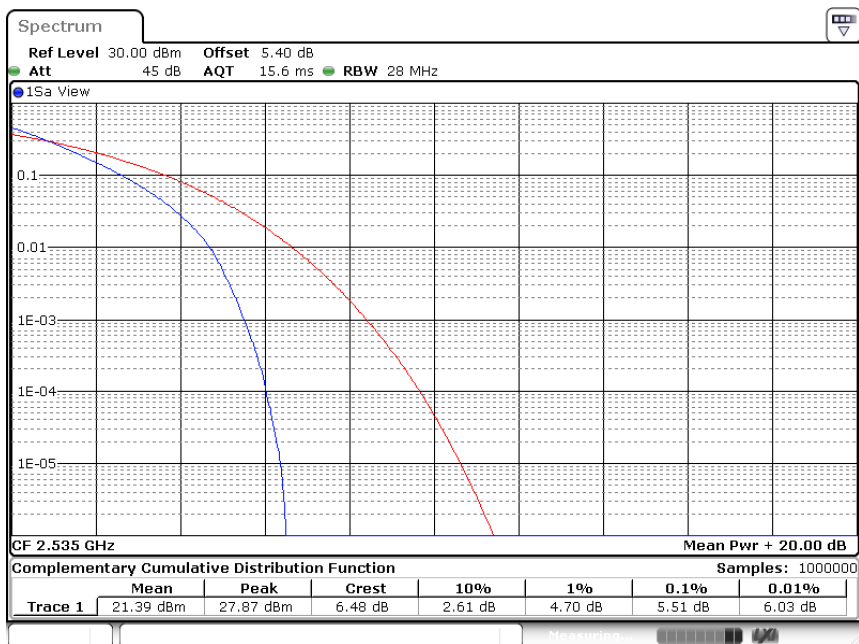
2.1 Test Result

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

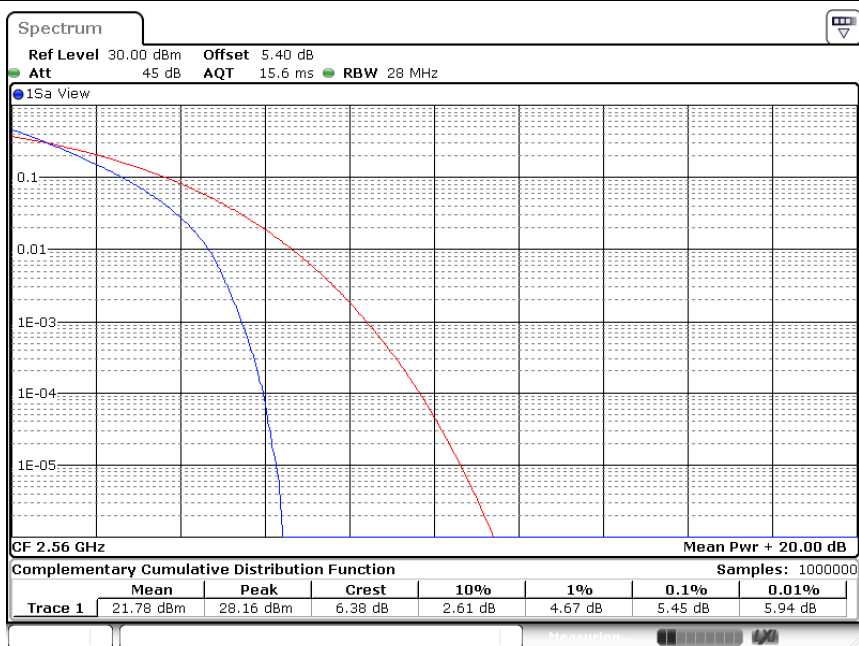


Band7-20MHz-QPSK-21100-100RB#0



Date: 22.OCT.2020 15:56:43

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



Date: 22.OCT.2020 15:57:12

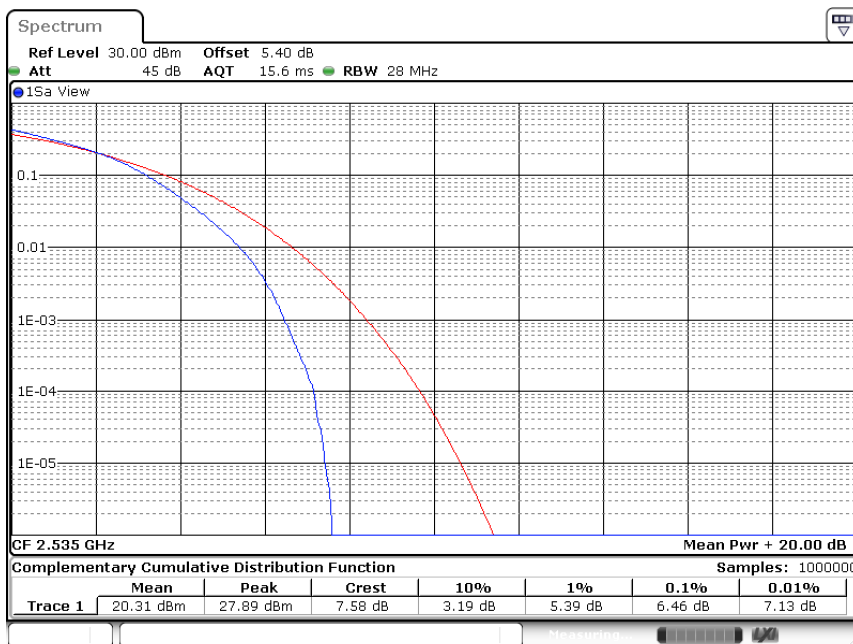


Band7-20MHz-16QAM-20850-100RB#0



Date: 22.OCT.2020 15:56:28

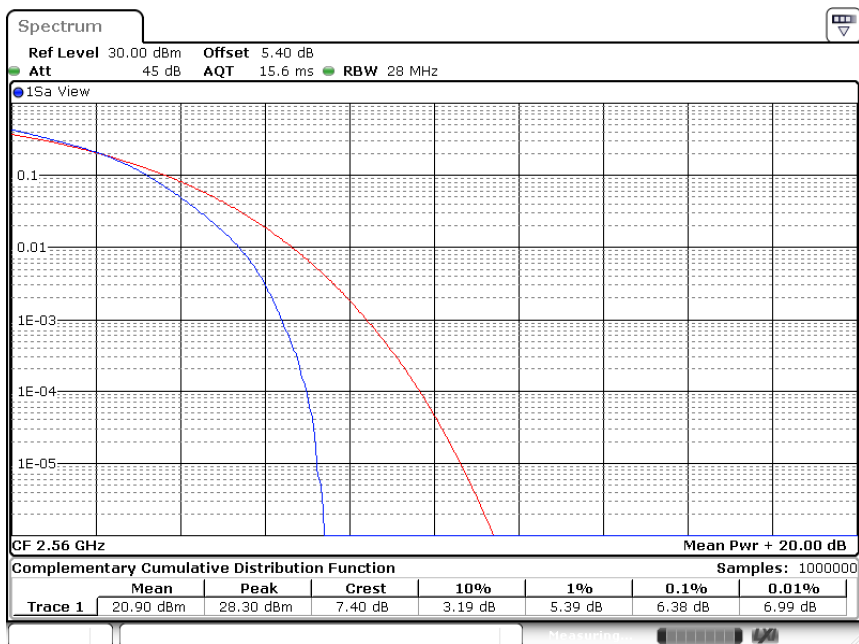
Band7-20MHz-16QAM-21100-100RB#0



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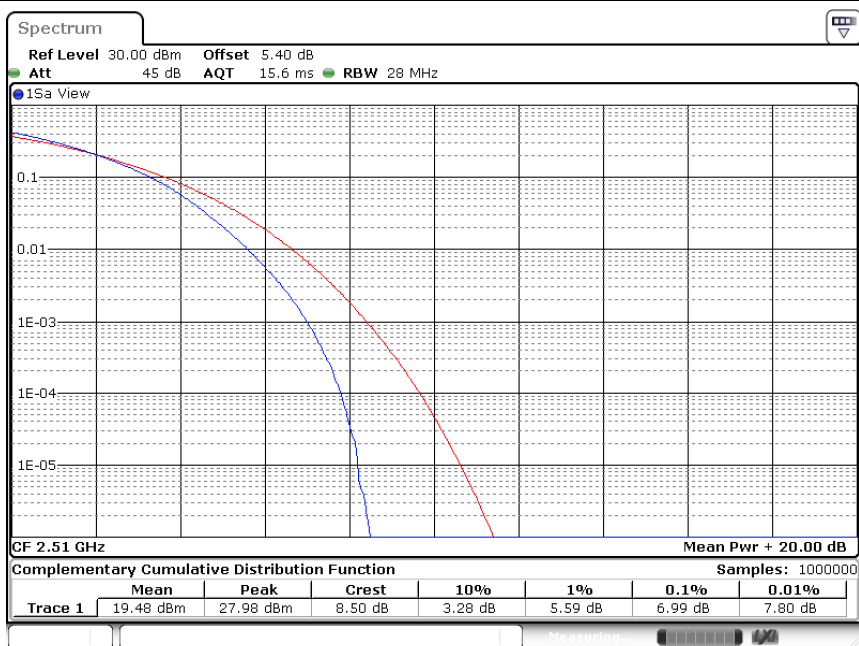


Band7-20MHz-16QAM-21350-100RB#0



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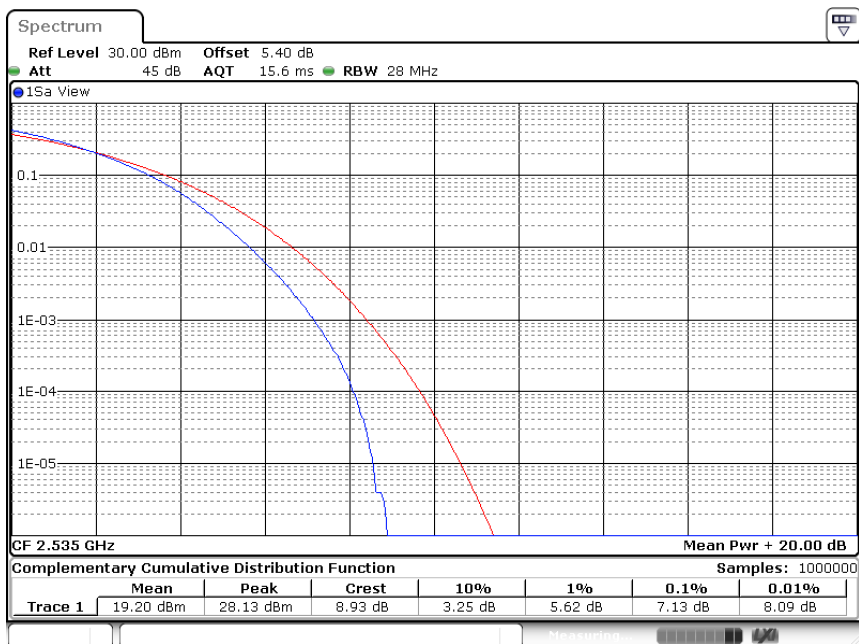
Band7-20MHz-64QAM-20850-100RB#0



Date: 22.OCT.2020 17:19:27

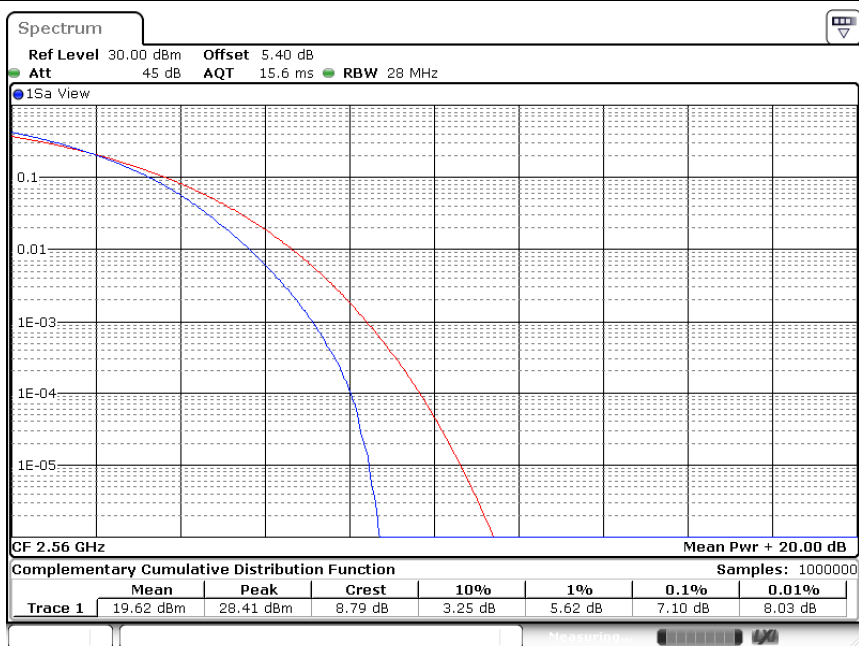


Band7-20MHz-64QAM-21100-100RB#0



Date: 22.OCT.2020 17:19:42

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



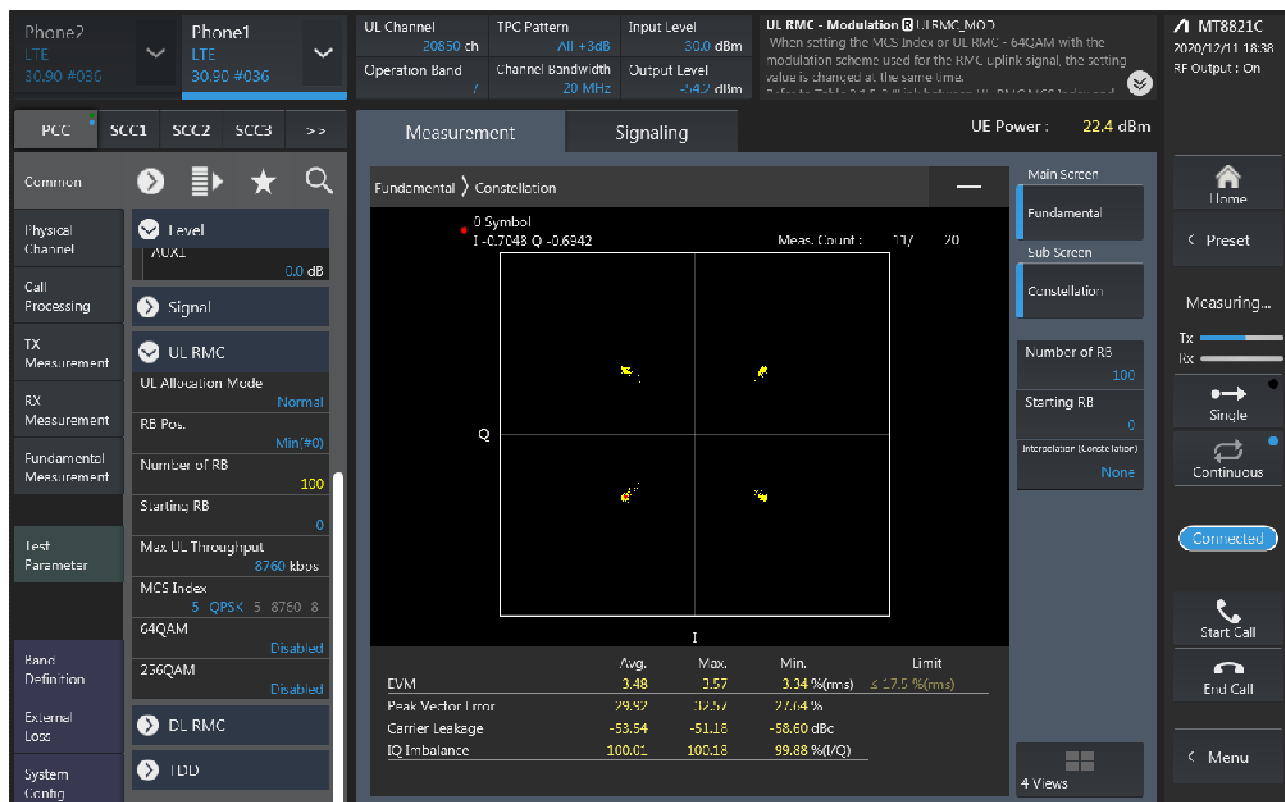
Date: 22.OCT.2020 17:19:56



3 Modulation Characteristics

3.1 Test Mode = LTE /TM1 20MHz

3.1.1 Test Channel = MCH

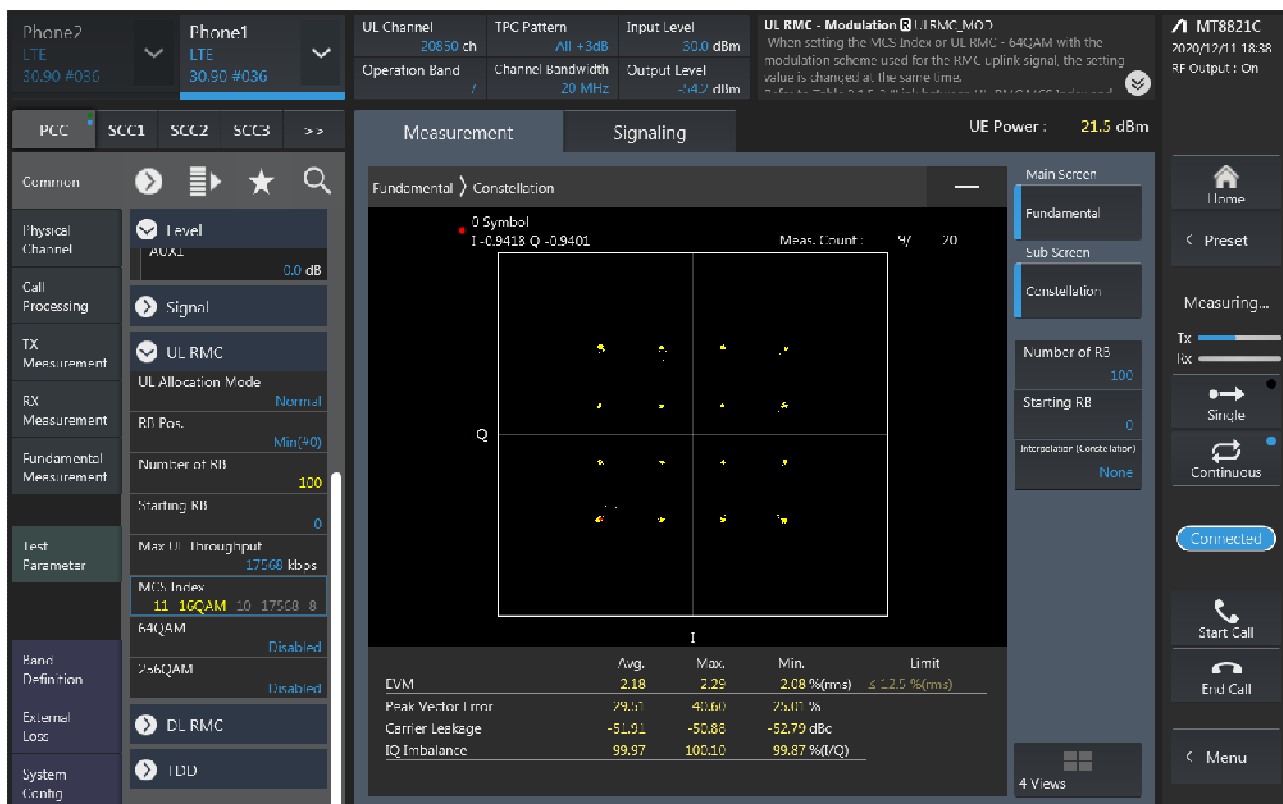


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3.2 Test Mode = LTE /TM2 20MHz

3.2.1 Test Channel = MCH

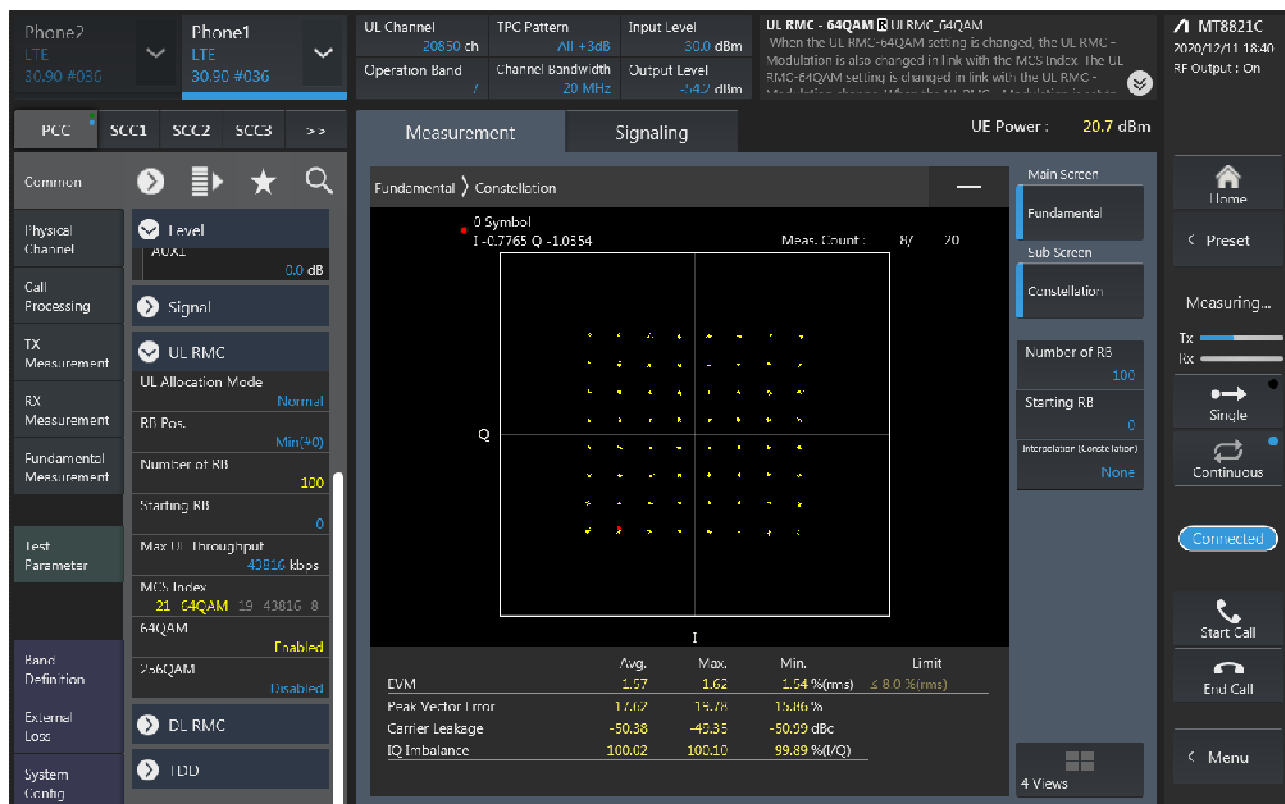


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3.3 Test Mode = LTE /TM3 20MHz

3.3.1 Test Channel = MCH



4 26dB Bandwidth and Occupied Bandwidth

4.1 Test Result

Band	Bandwidth h	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

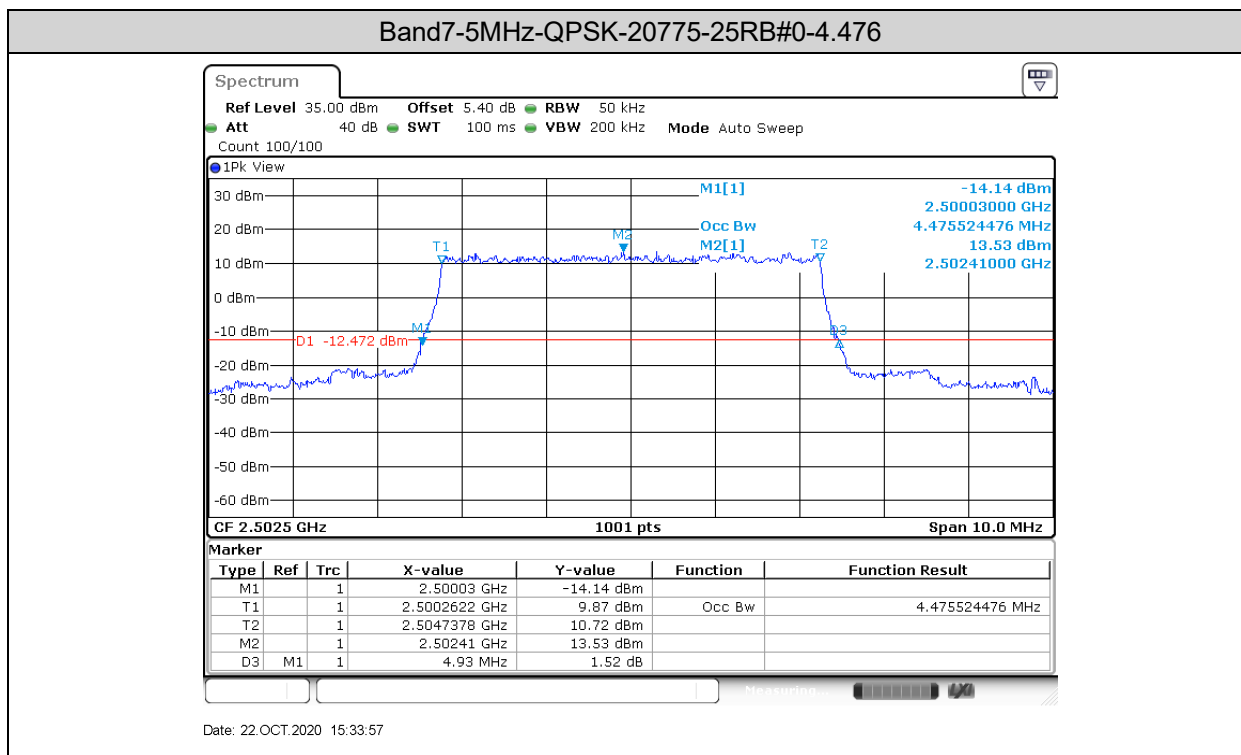


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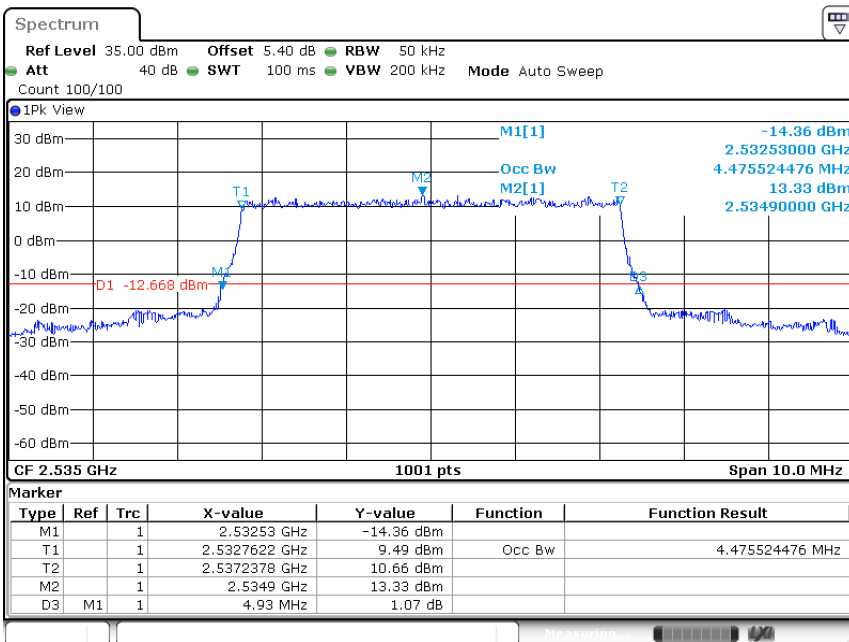
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Band7	20MHz	16QAM	21100	100RB#0	17.862	19.440	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.862	19.360	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.902	19.320	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.862	19.520	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.862	19.520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

4.2 Test Plots

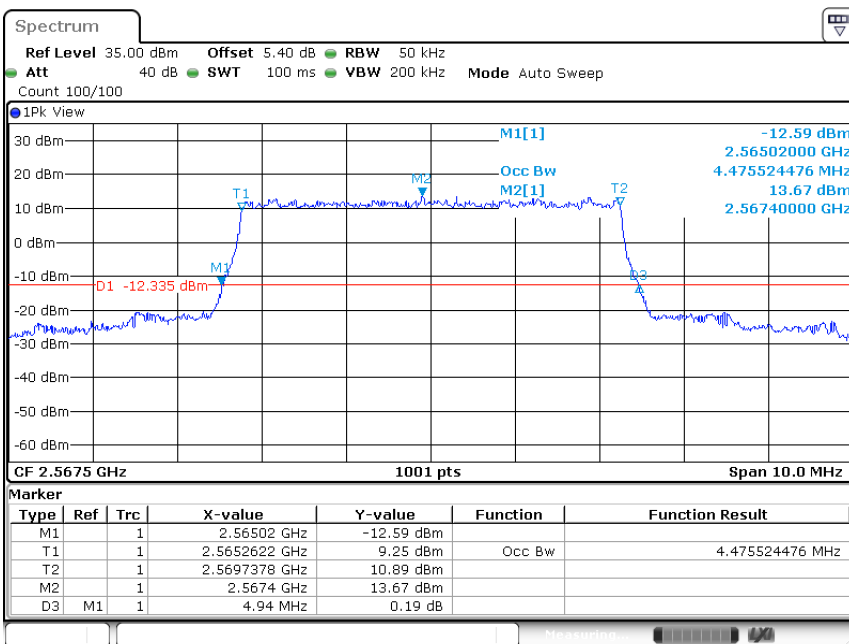


Band7-5MHz-QPSK-21100-25RB#0-4.476



Date: 22.OCT.2020 15:34:43

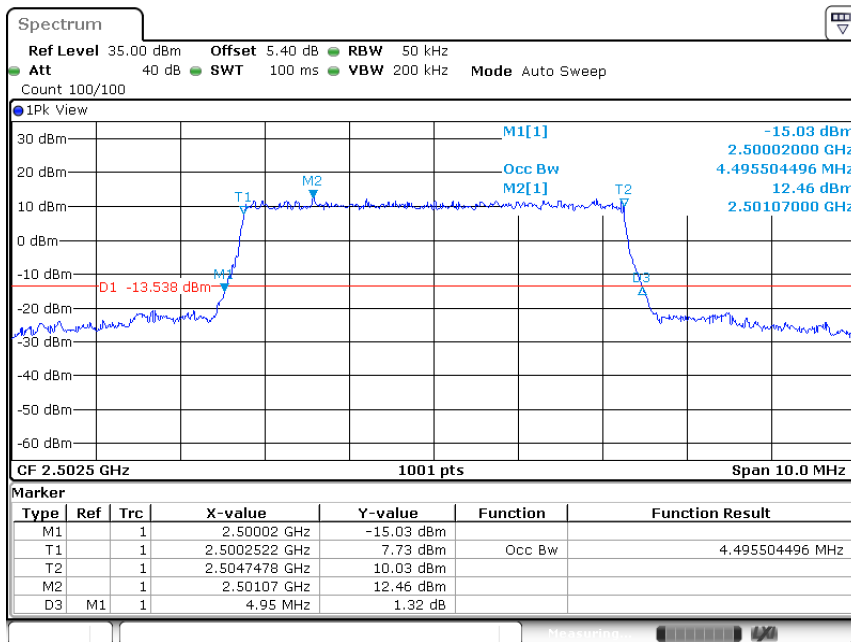
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Date: 22.OCT.2020 15:35:29

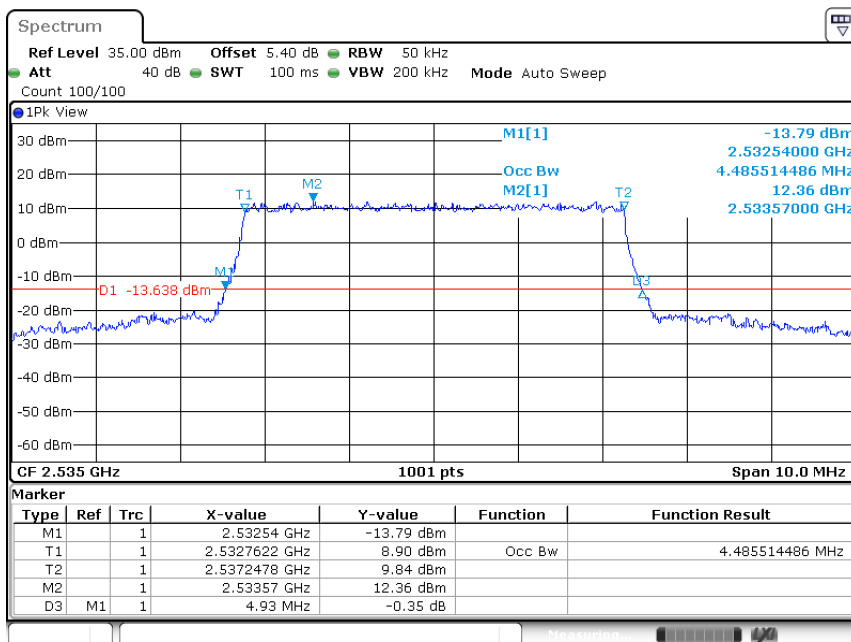


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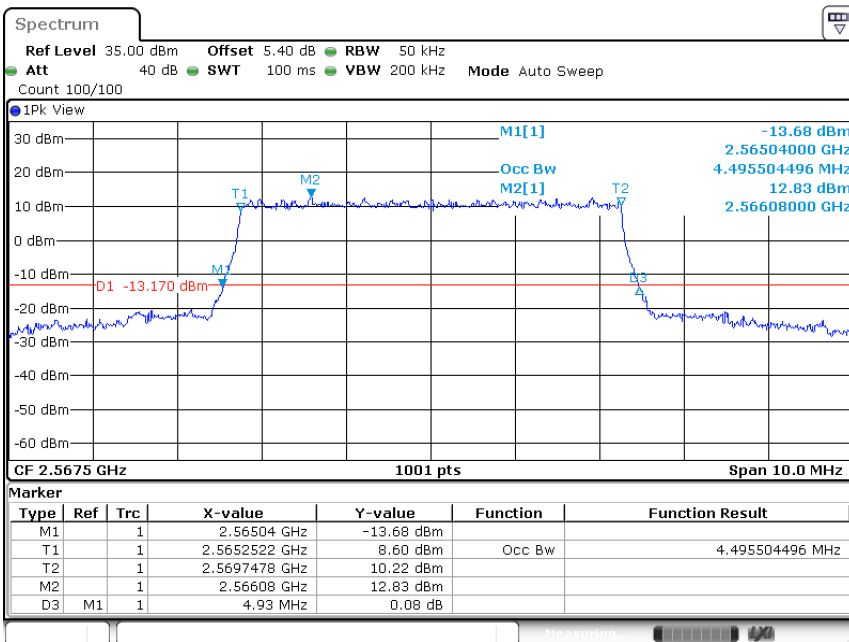
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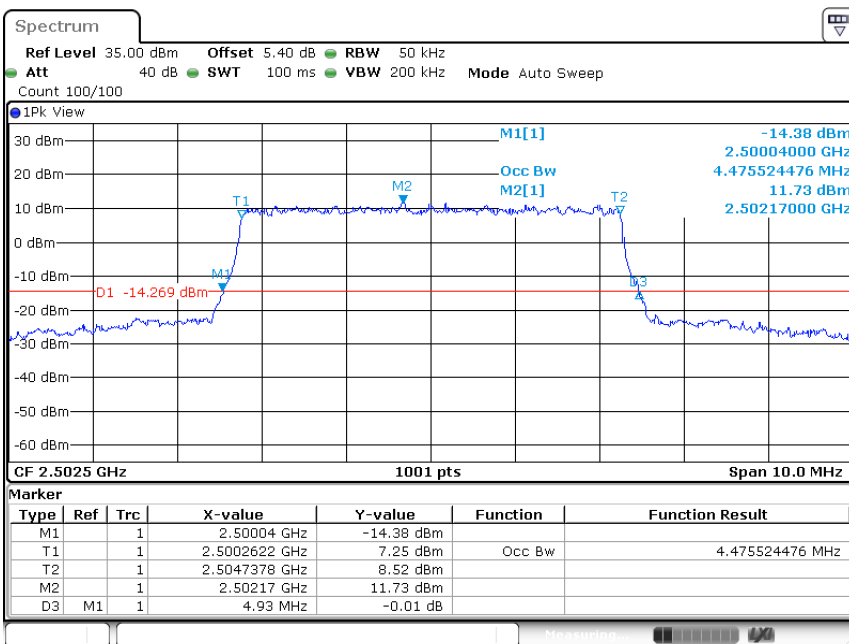


Band7-5MHz-16QAM-21425-25RB#0-4.496



Date: 22.OCT.2020 15:35:52

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



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



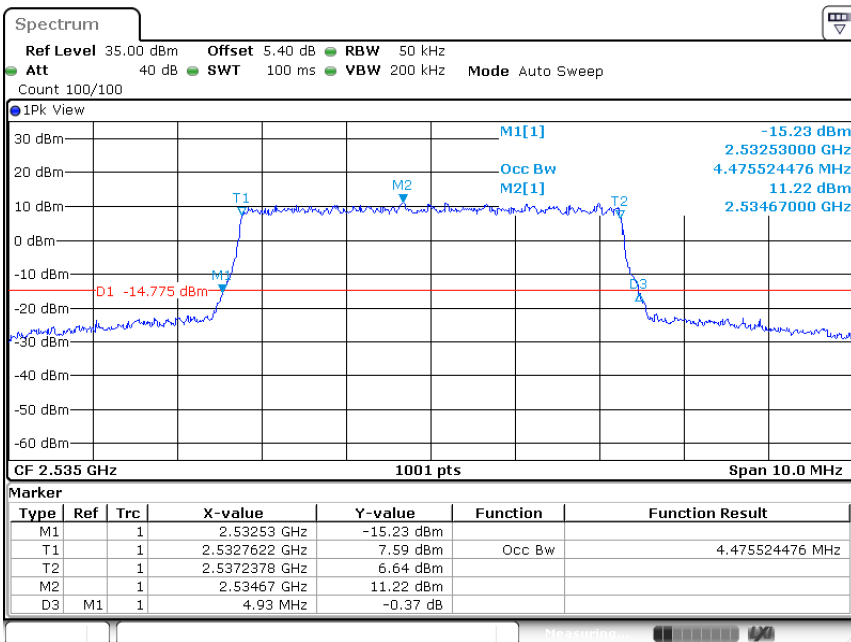
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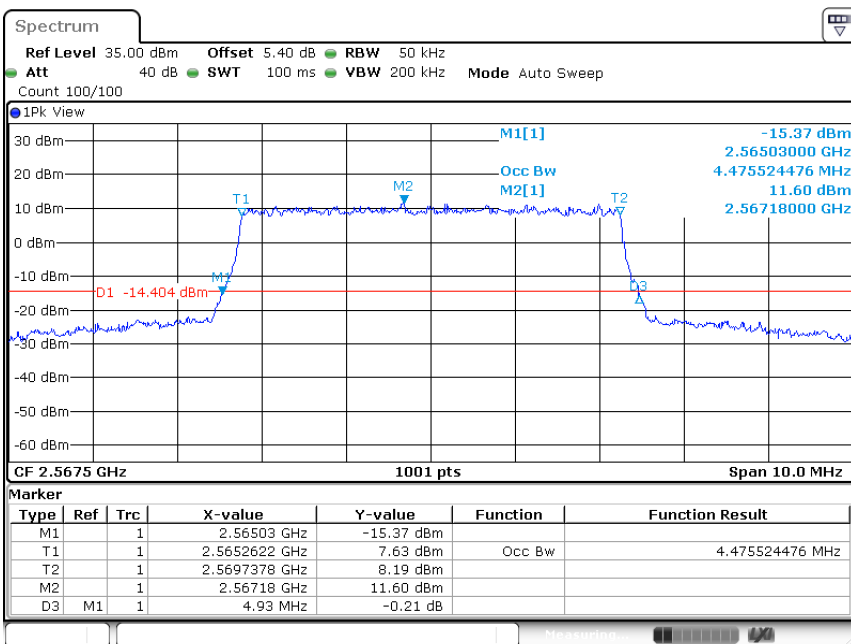
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Band7-5MHz-64QAM-21100-25RB#0-4.476



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

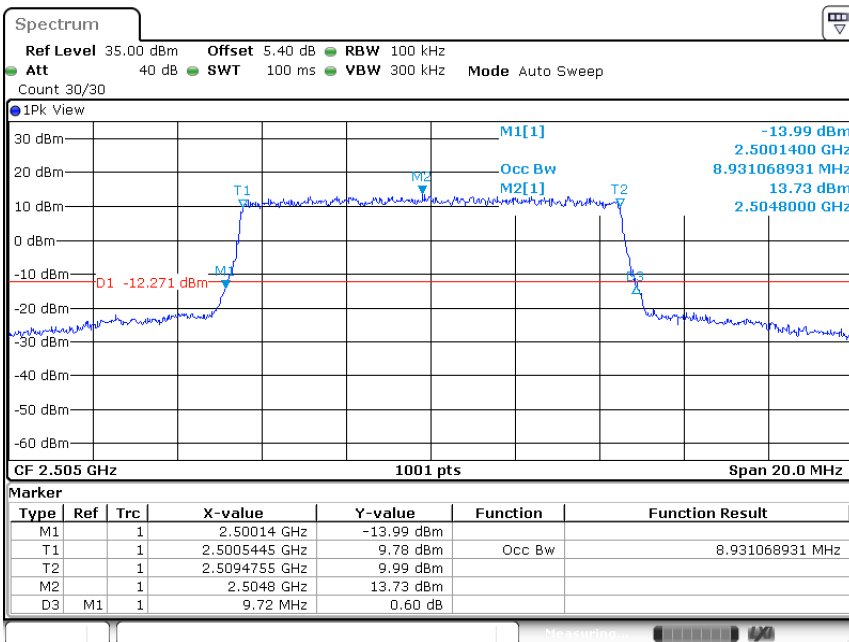
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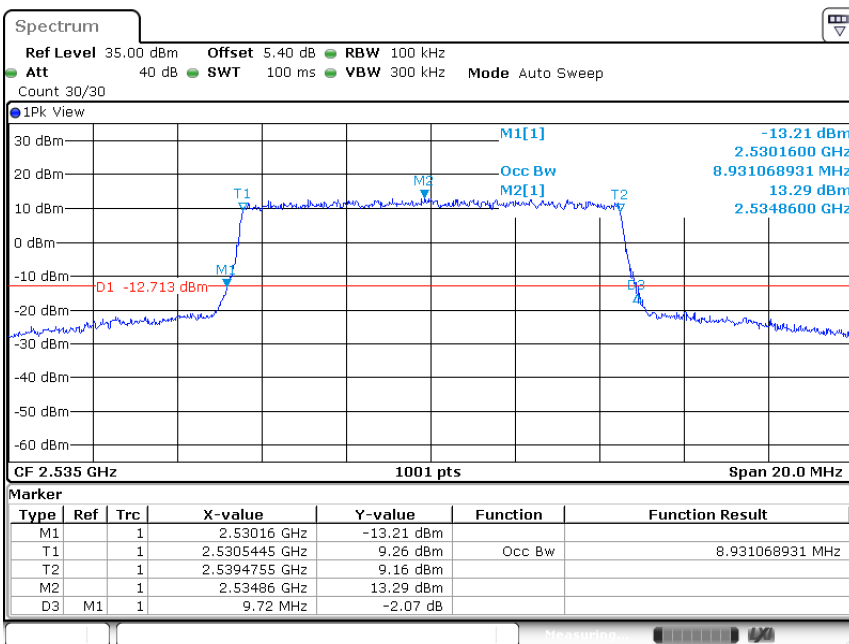


Band7-10MHz-QPSK-20800-50RB#0-8.931



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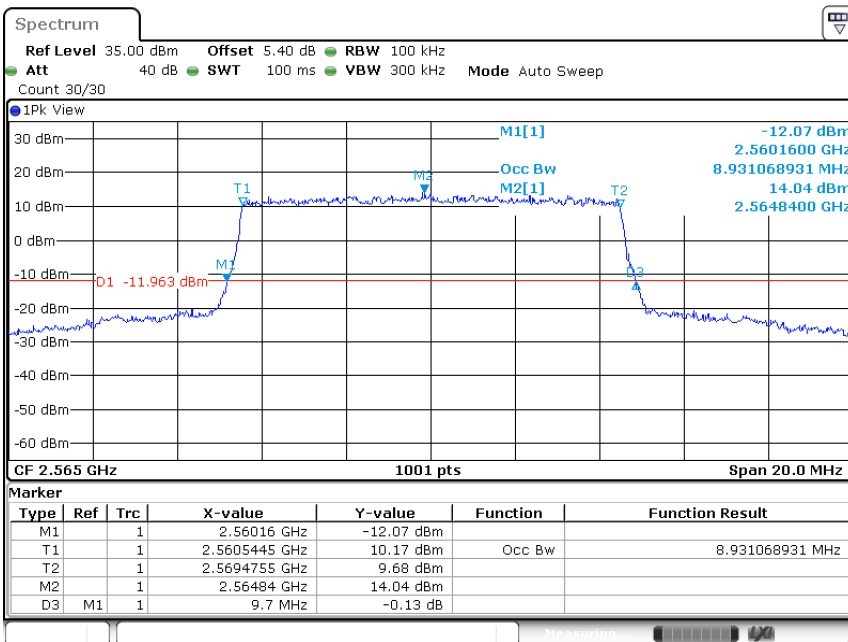
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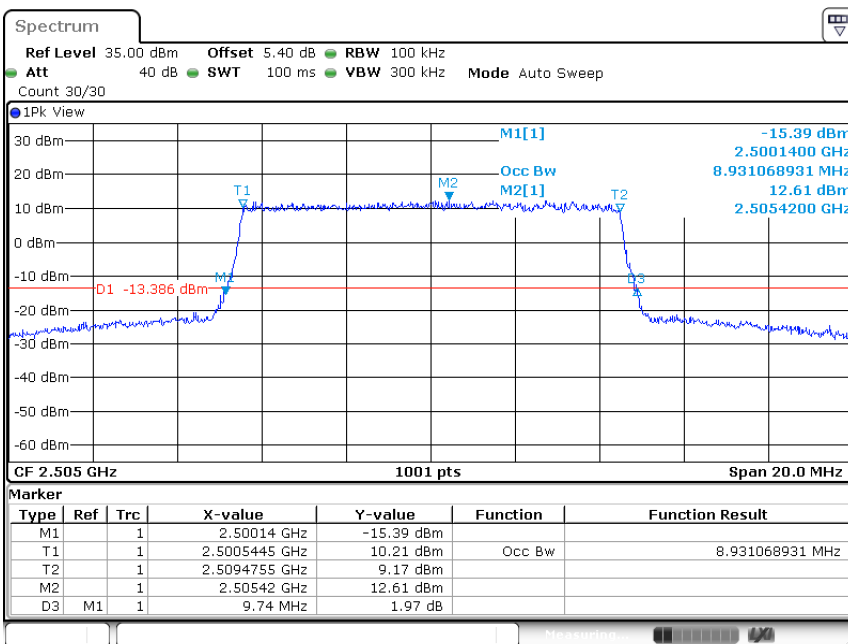


Band7-10MHz-QPSK-21400-50RB#0-8.931



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

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



Date: 22.OCT.2020 15:36:29



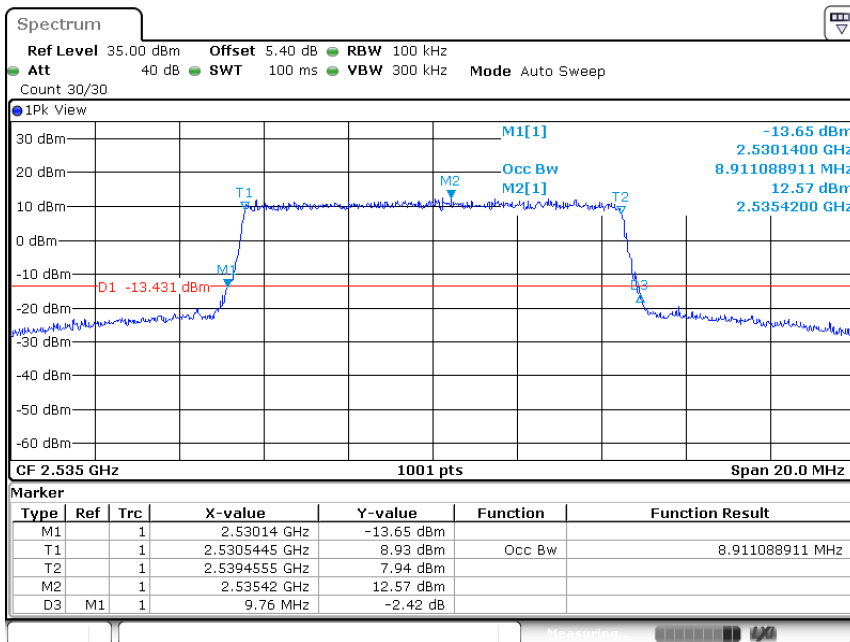
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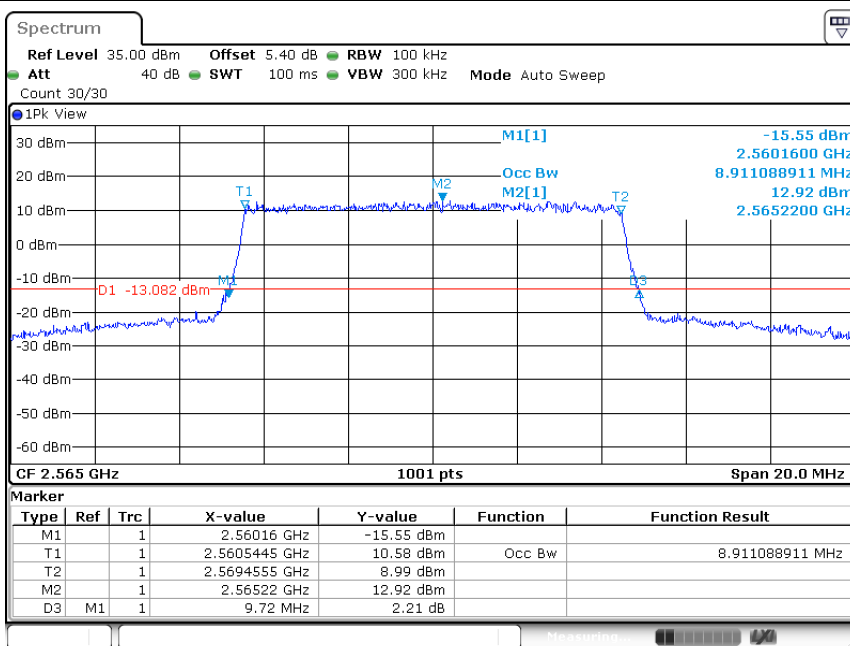
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Band7-10MHz-16QAM-21100-50RB#0-8.911



Date: 22.OCT.2020 15:37:01

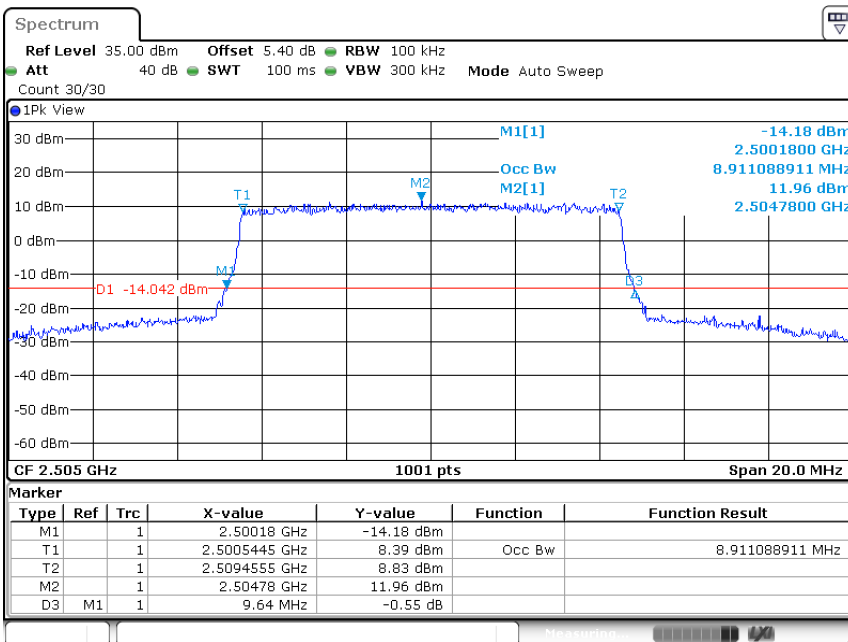
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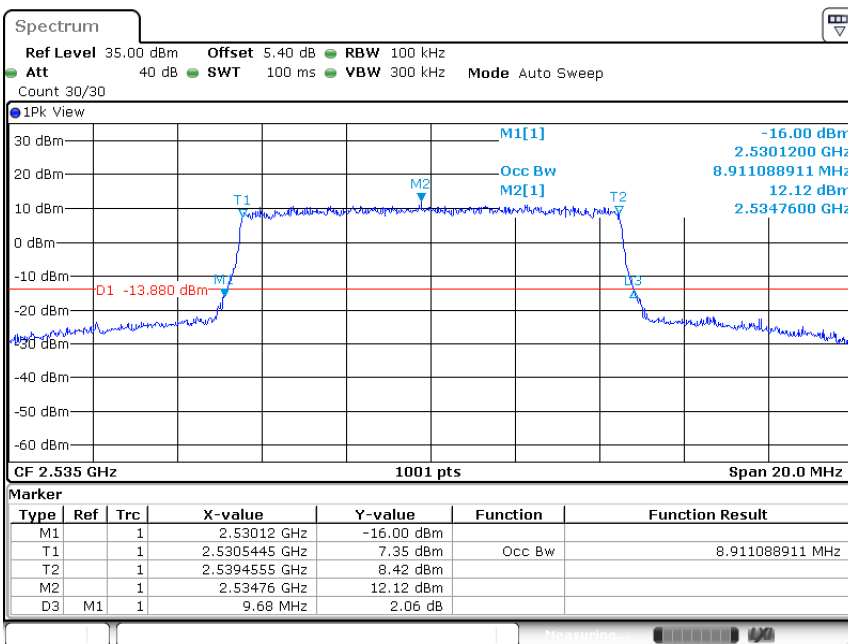


Band7-10MHz-64QAM-20800-50RB#0-8.911



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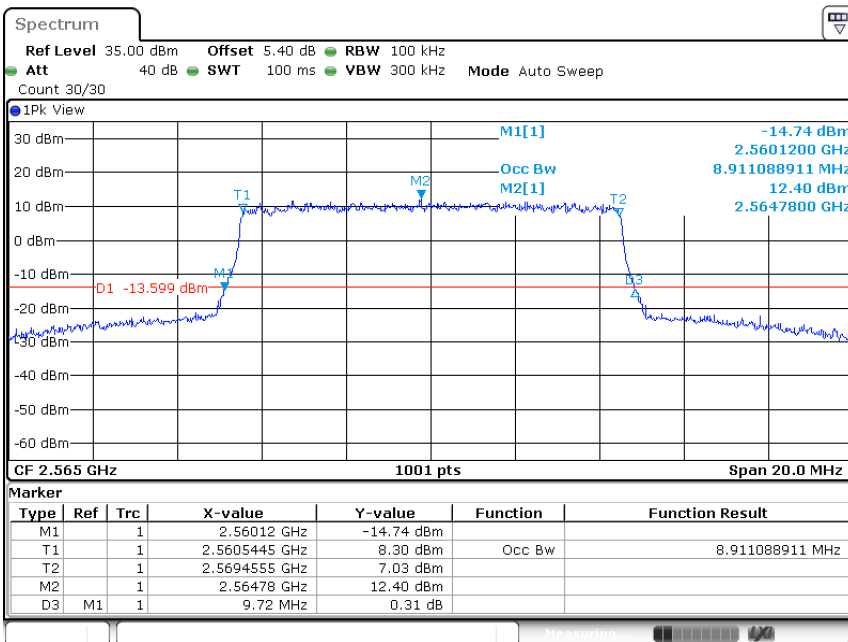
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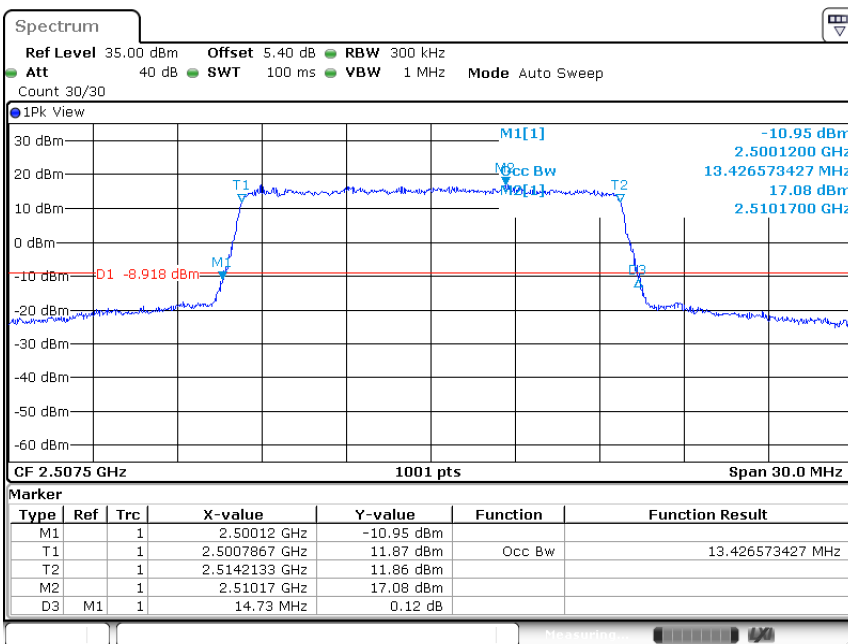


Band7-10MHz-64QAM-21400-50RB#0-8.911



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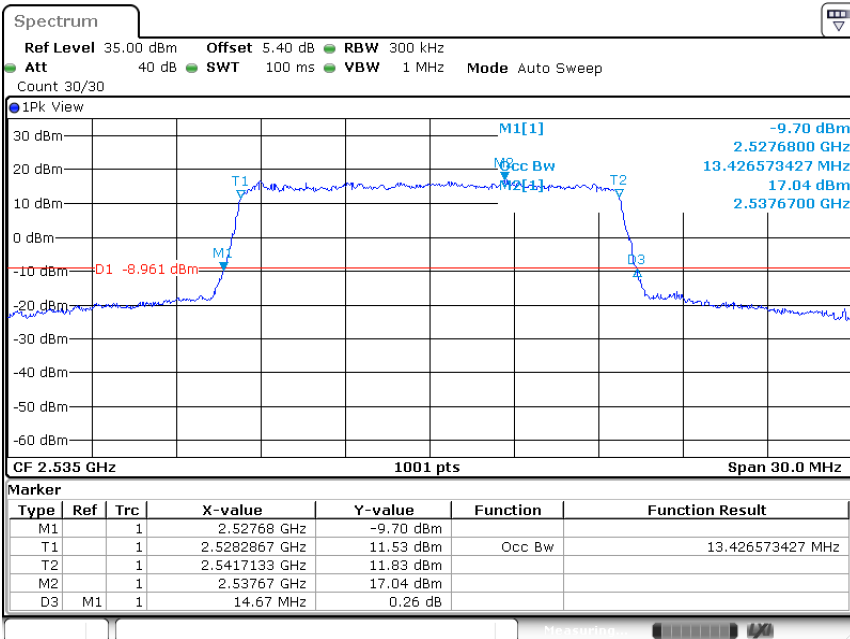
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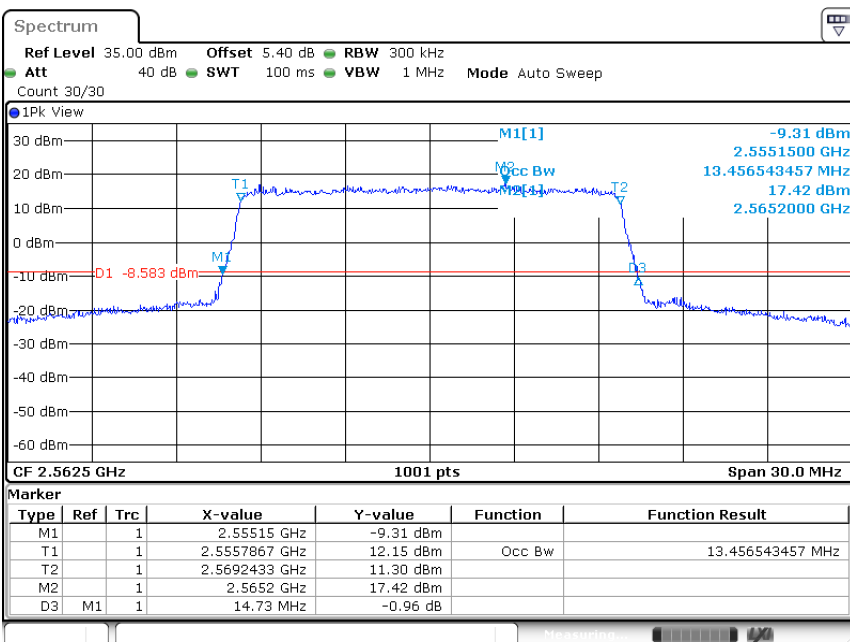


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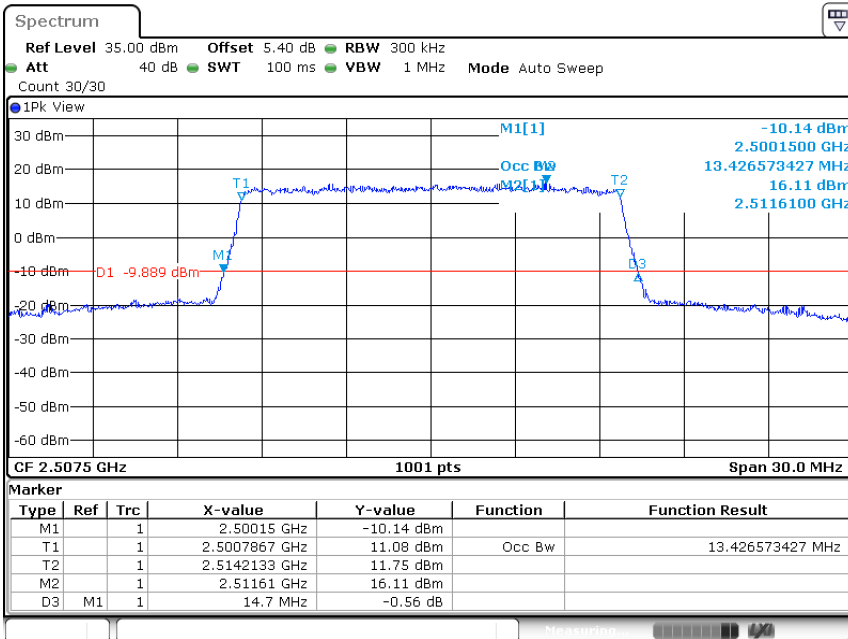
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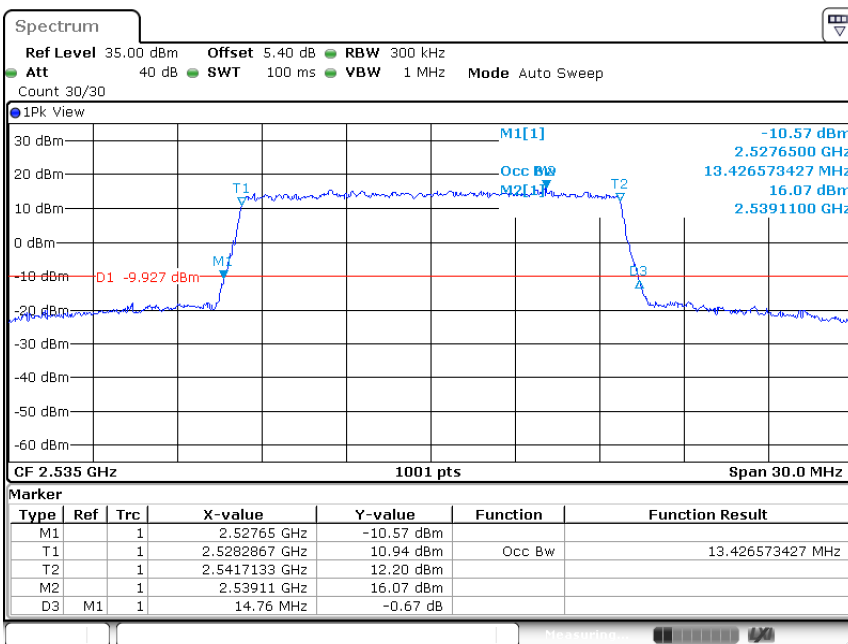


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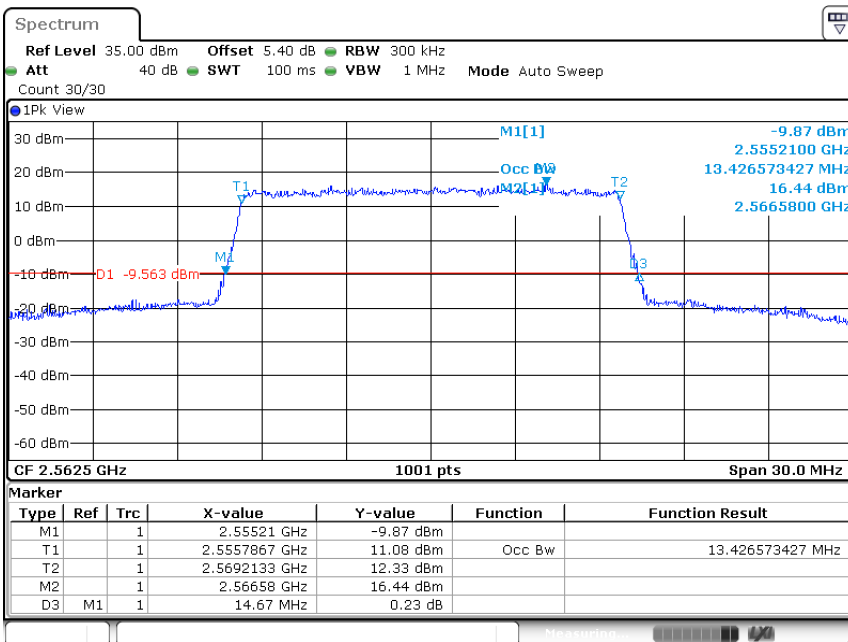
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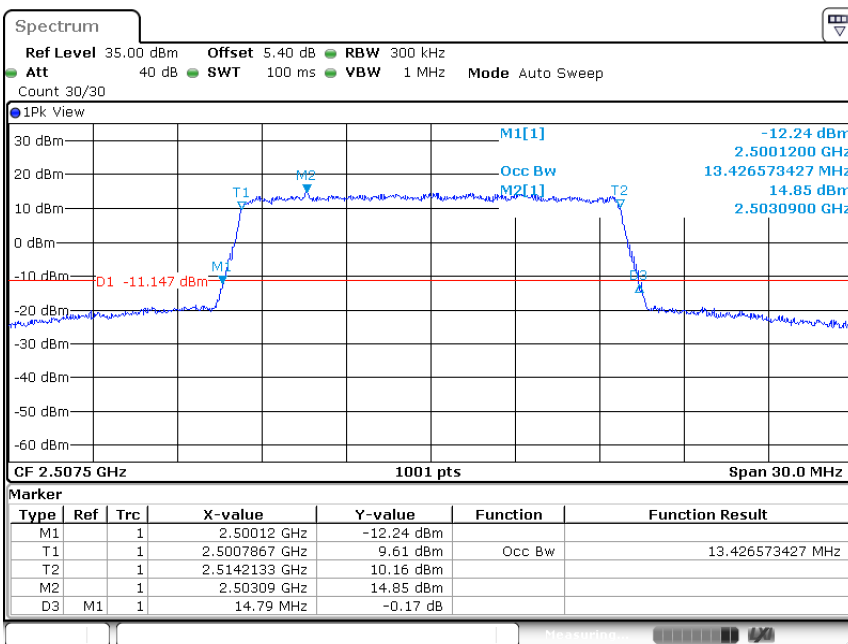


Band7-15MHz-16QAM-21375-75RB#0-13.427



Date: 22.OCT.2020 15:39:16

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



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



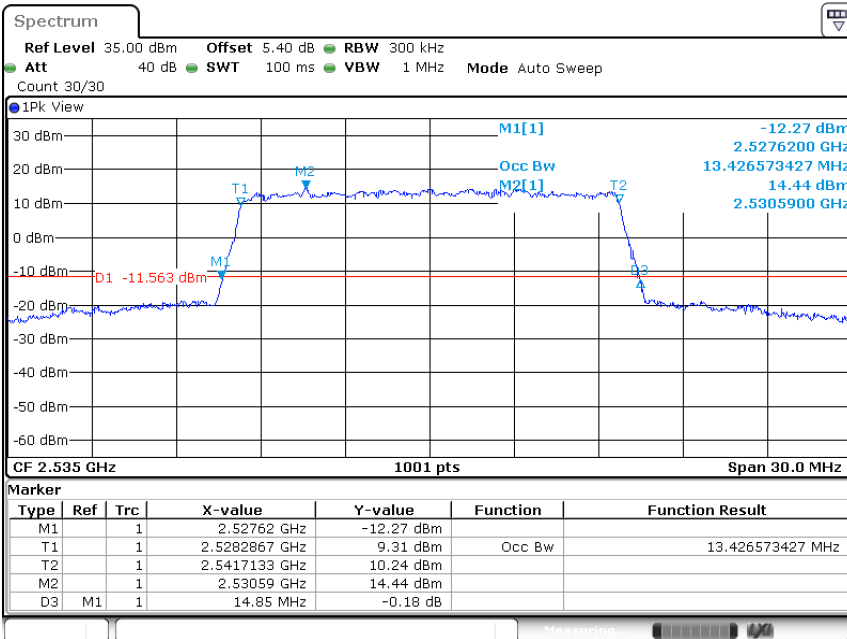
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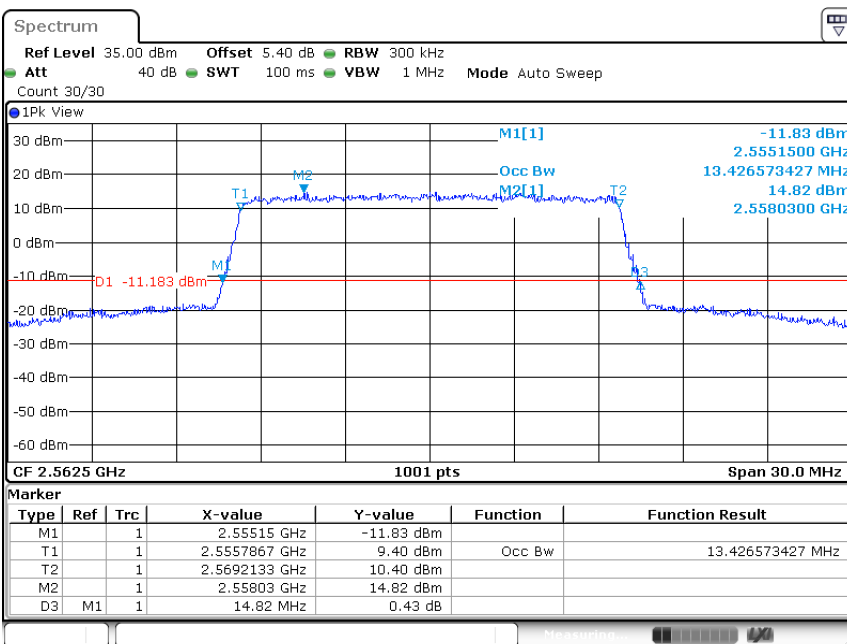
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Band7-15MHz-64QAM-21100-75RB#0-13.427



Date: 22.OCT.2020 17:09:43

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



Date: 22.OCT.2020 17:09:59



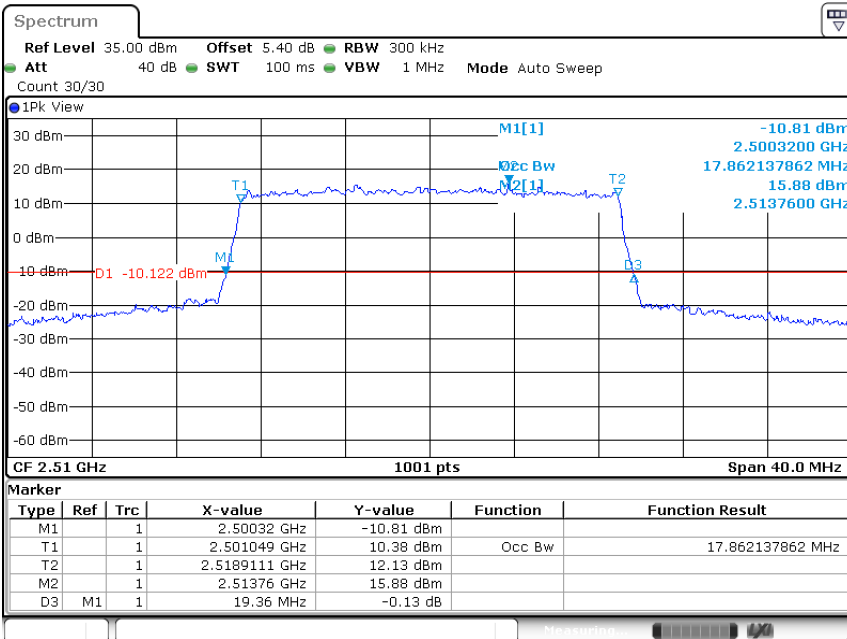
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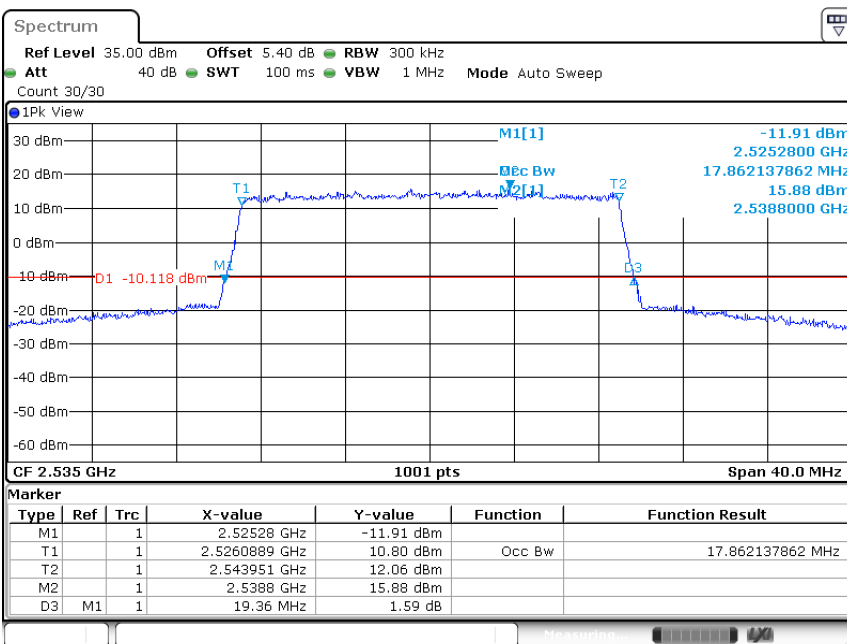
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Band7-20MHz-QPSK-20850-100RB#0-17.862



Date: 22.OCT.2020 15:39:38

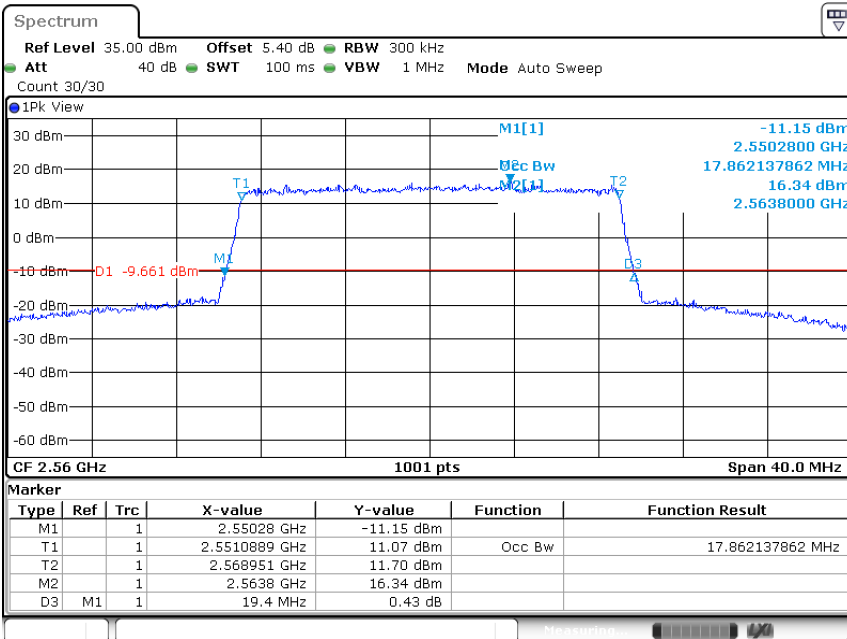
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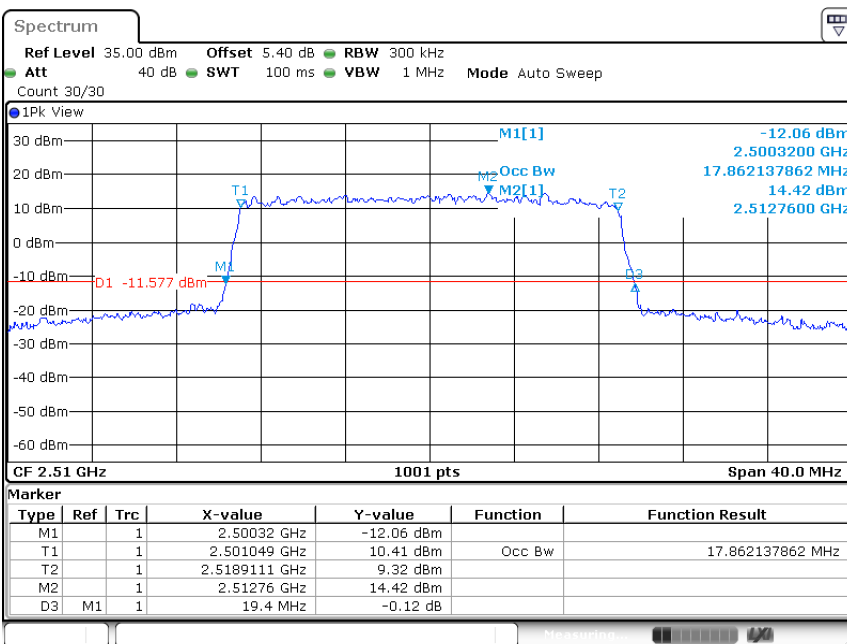


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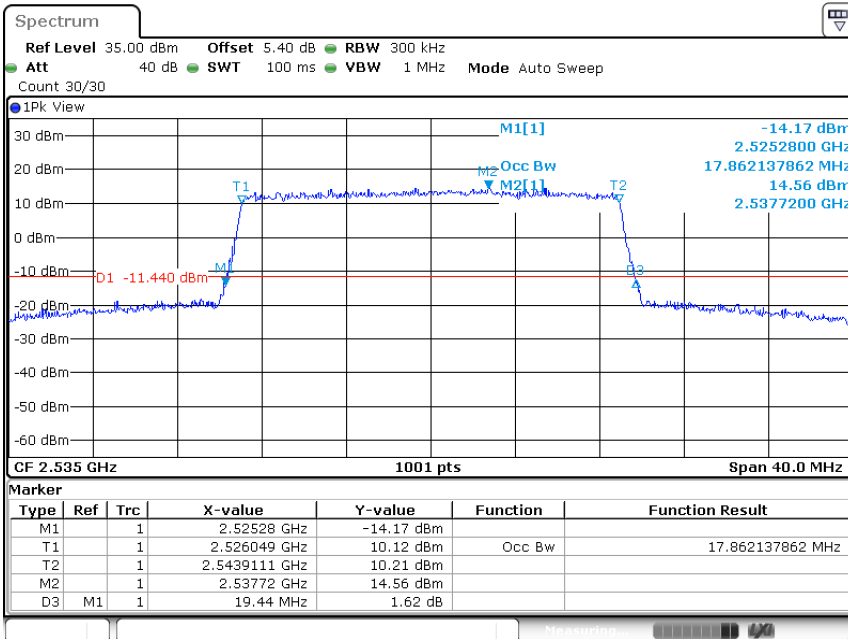
Band7-20MHz-16QAM-20850-100RB#0-17.862



Date: 22.OCT.2020 15:39:54

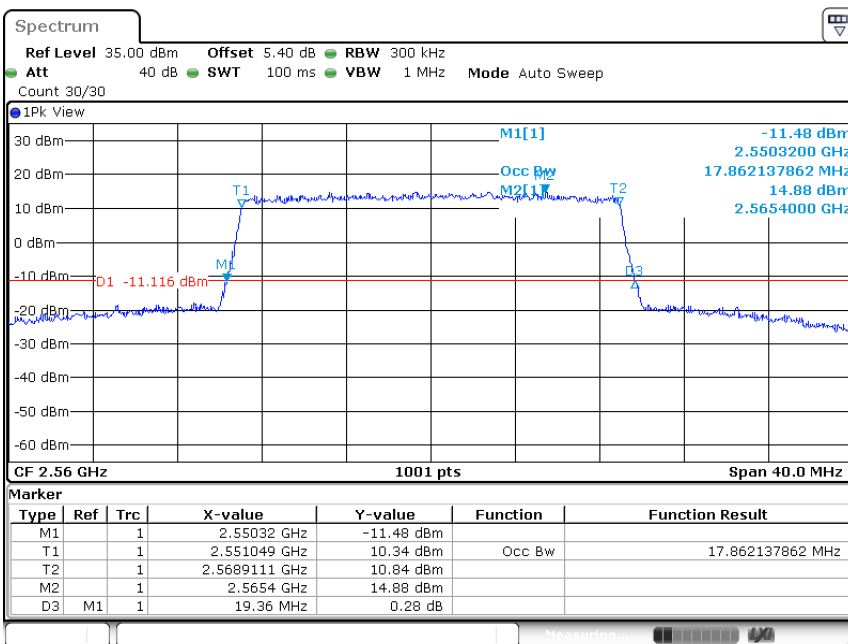


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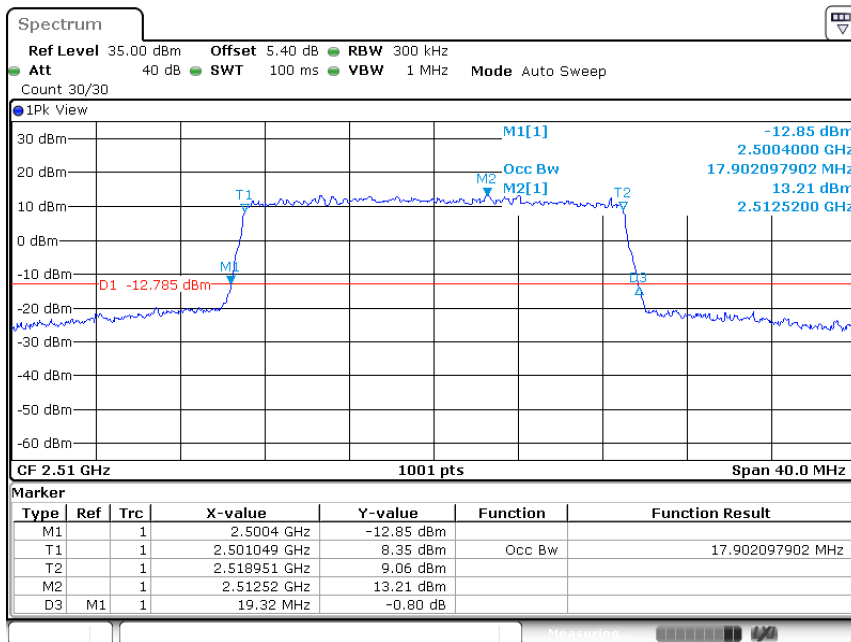
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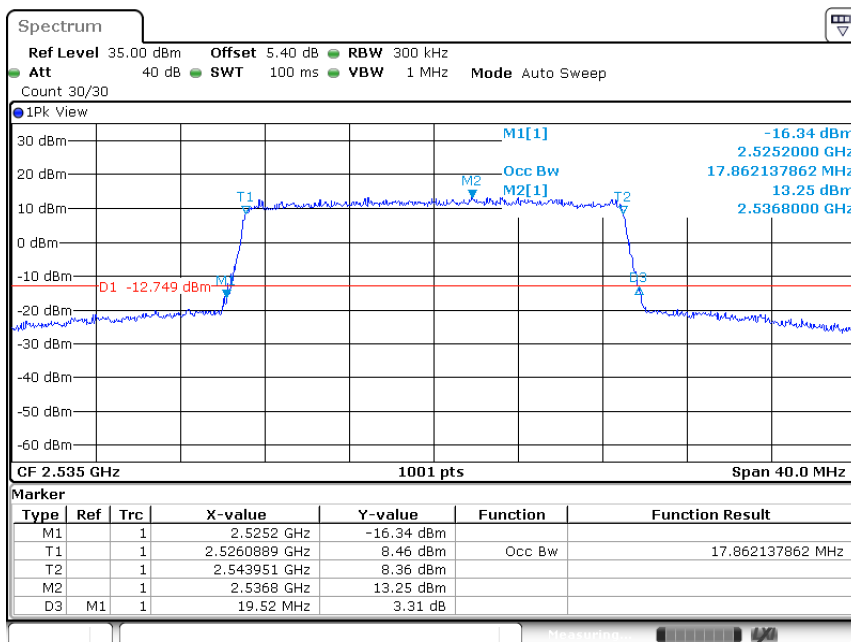


Band7-20MHz-64QAM-20850-100RB#0-17.902



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

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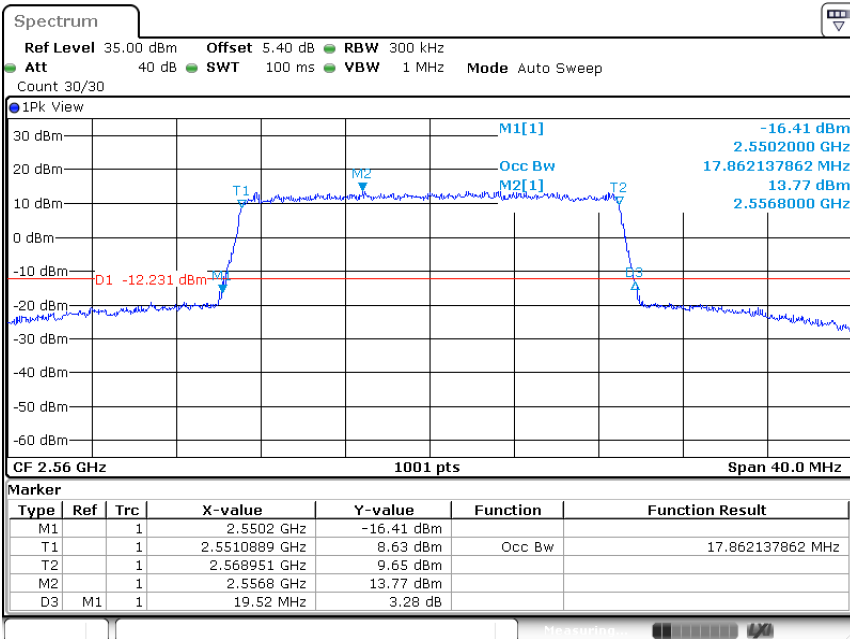


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Band7-20MHz-64QAM-21350-100RB#0-17.862



Date: 22.OCT.2020 17:10:54

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Shenzhen Branch Testing Center EEC Laboratory

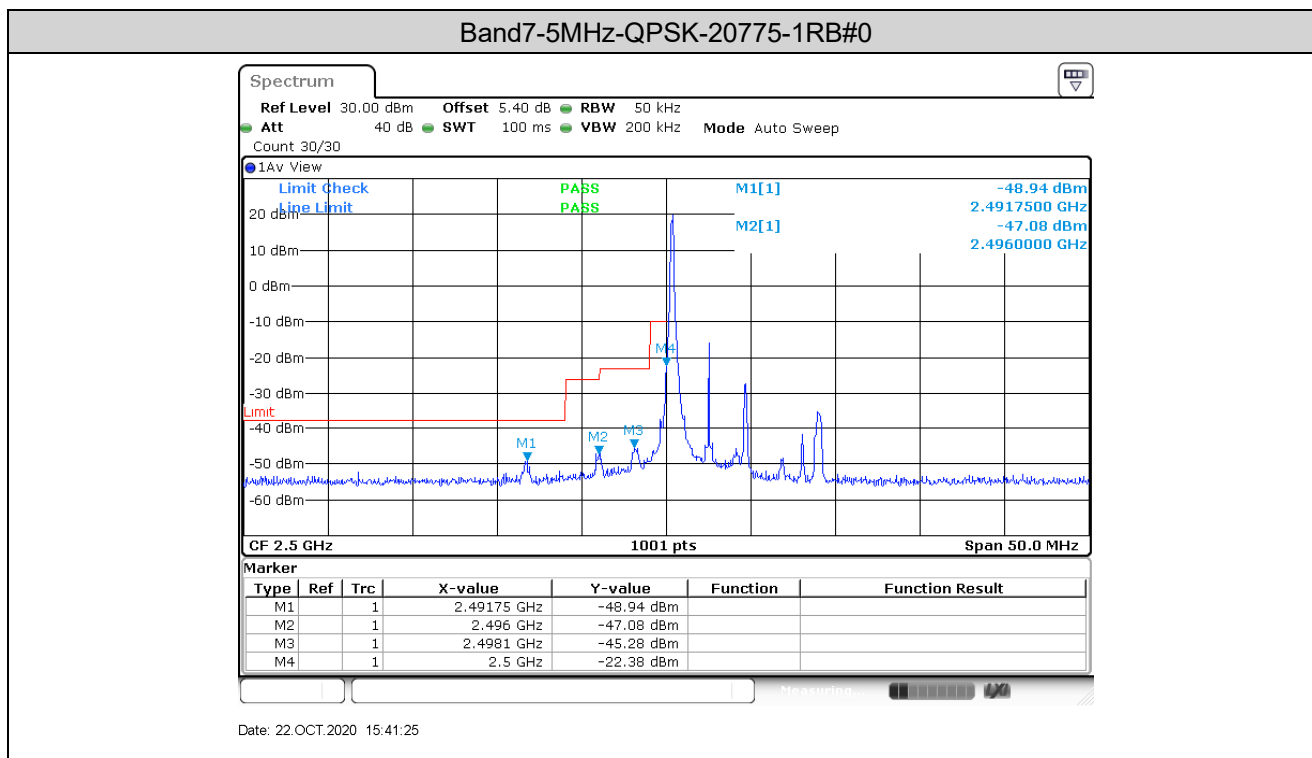
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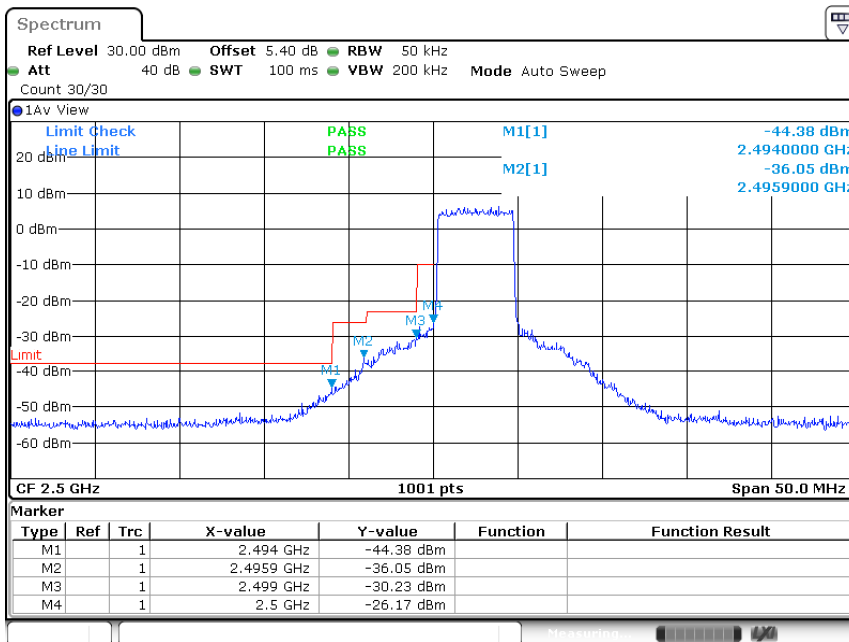
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5 Band Edge Compliance

5.1 Test Plots

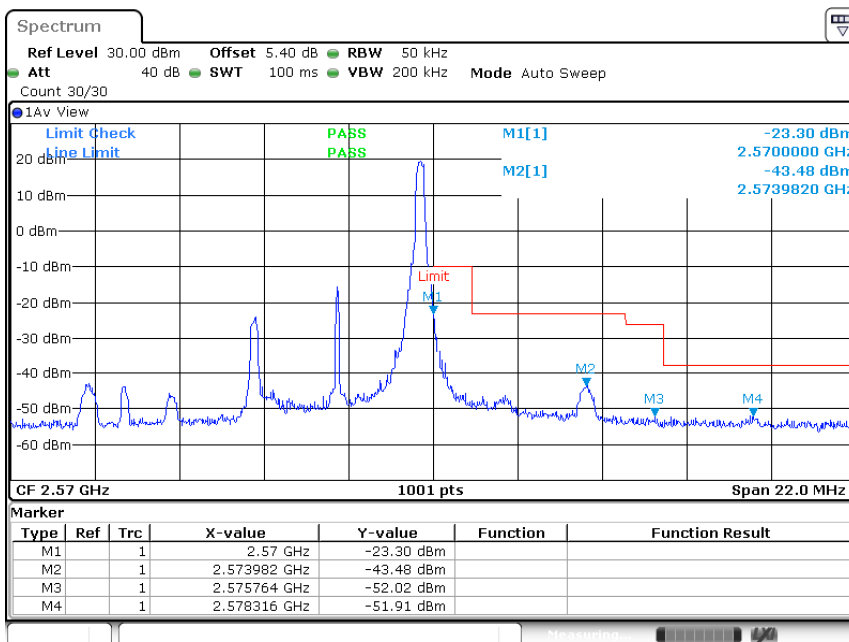


Band7-5MHz-QPSK-20775-25RB#0



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

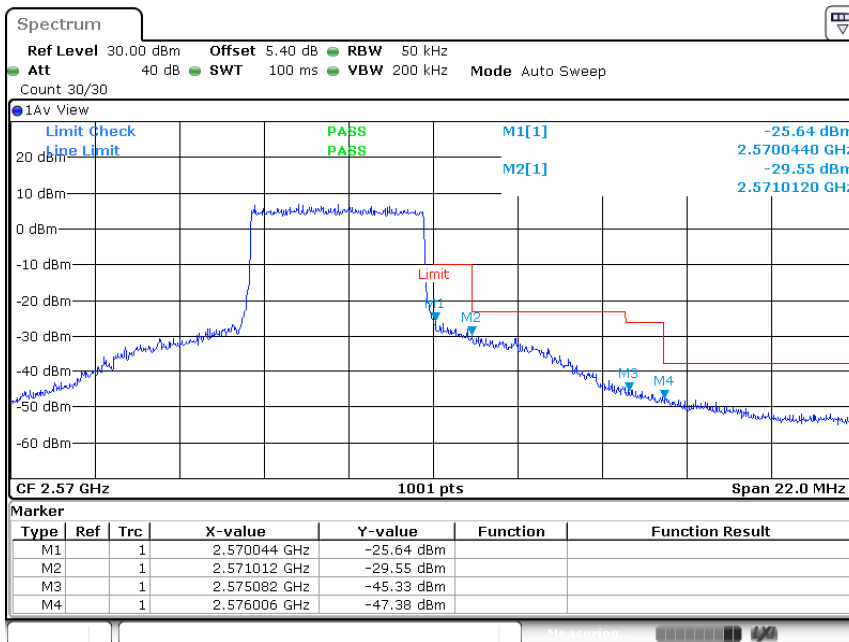
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Date: 22.OCT.2020 15:42:47

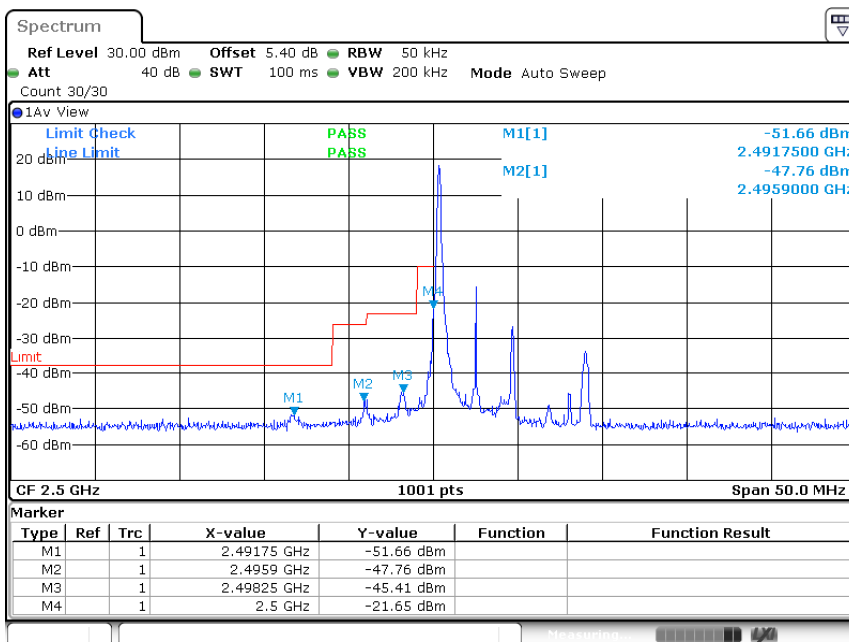


Band7-5MHz-QPSK-21425-25RB#0



Date: 22.OCT.2020 15:43:24

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

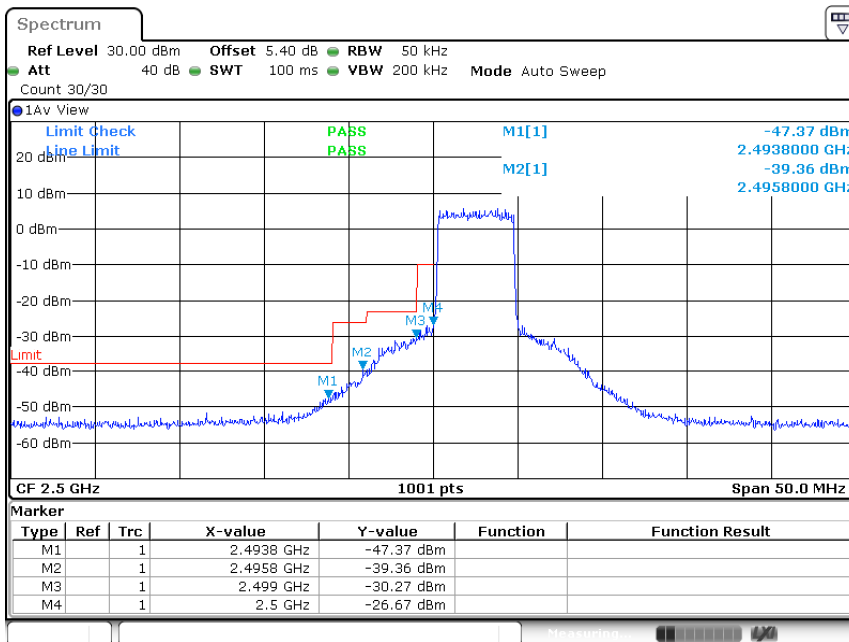


Date: 22.OCT.2020 15:41:44



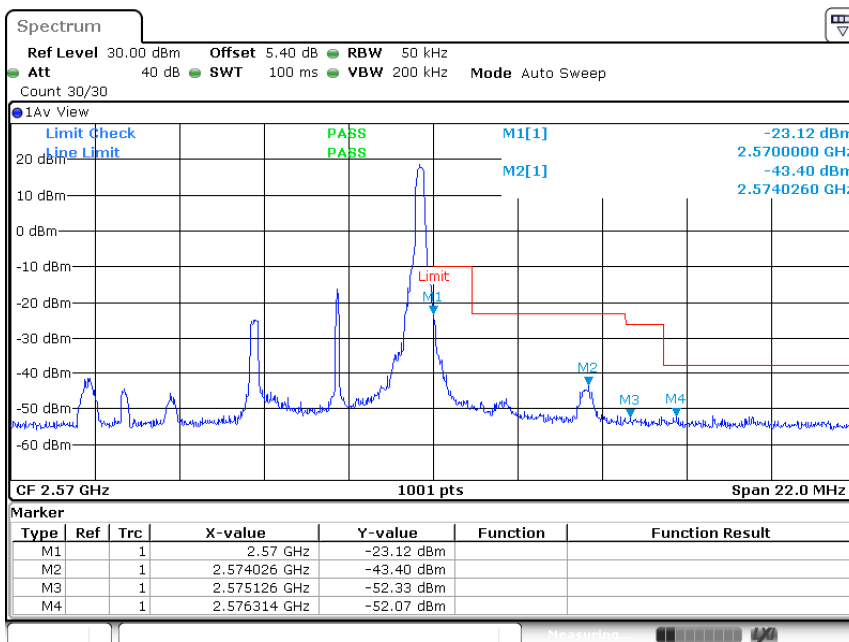
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Band7-5MHz-16QAM-20775-25RB#0



Date: 22.OCT.2020 15:42:21

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



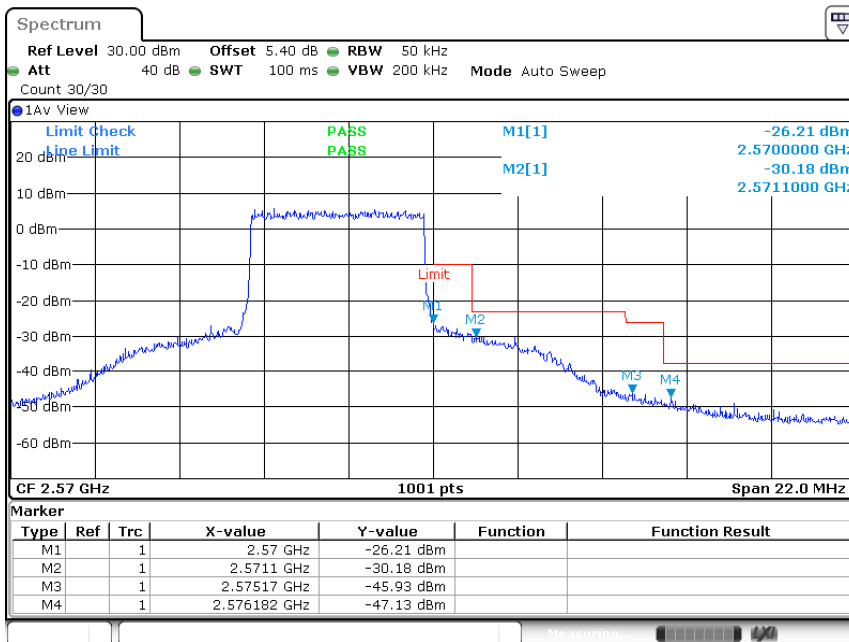
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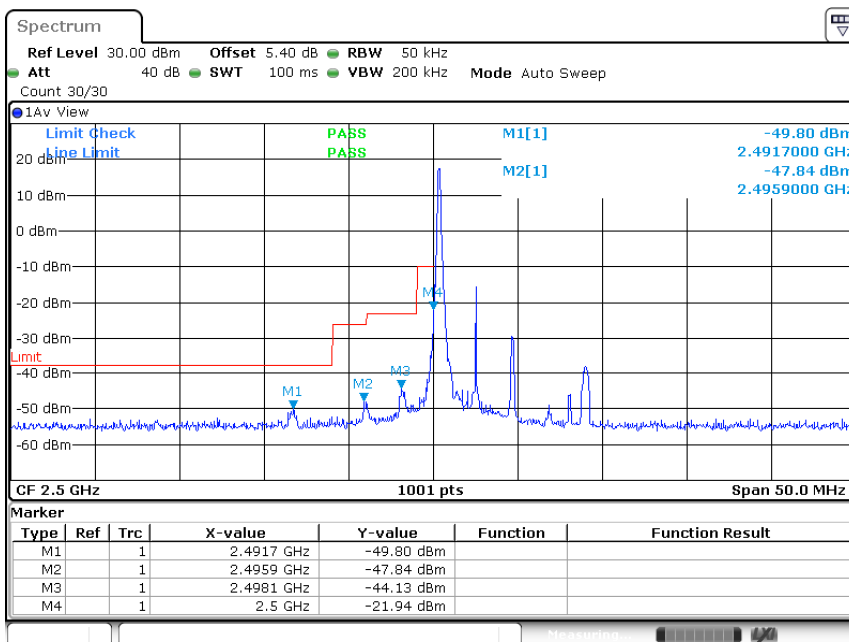
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Band7-5MHz-16QAM-21425-25RB#0



Date: 22.OCT.2020 15:43:43

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



Date: 22.OCT.2020 17:11:23



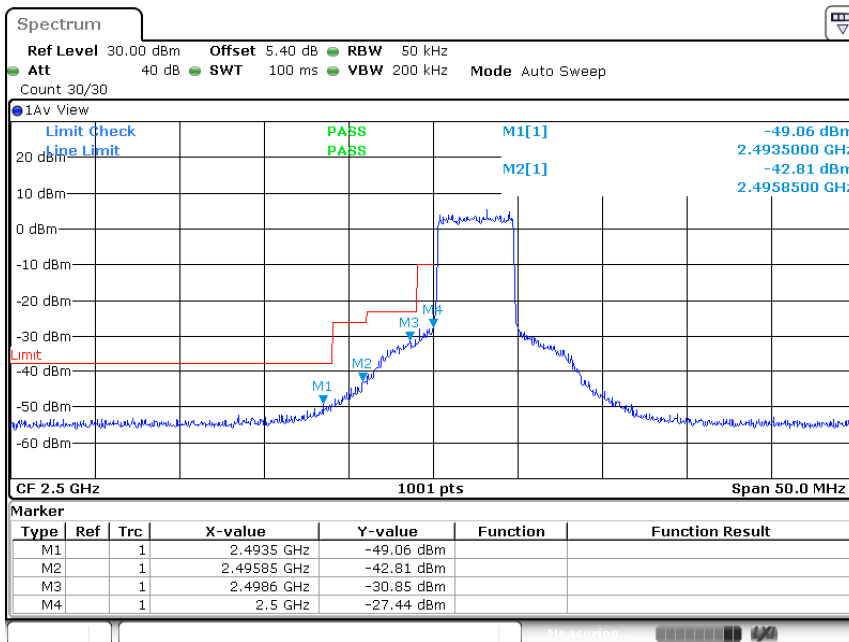
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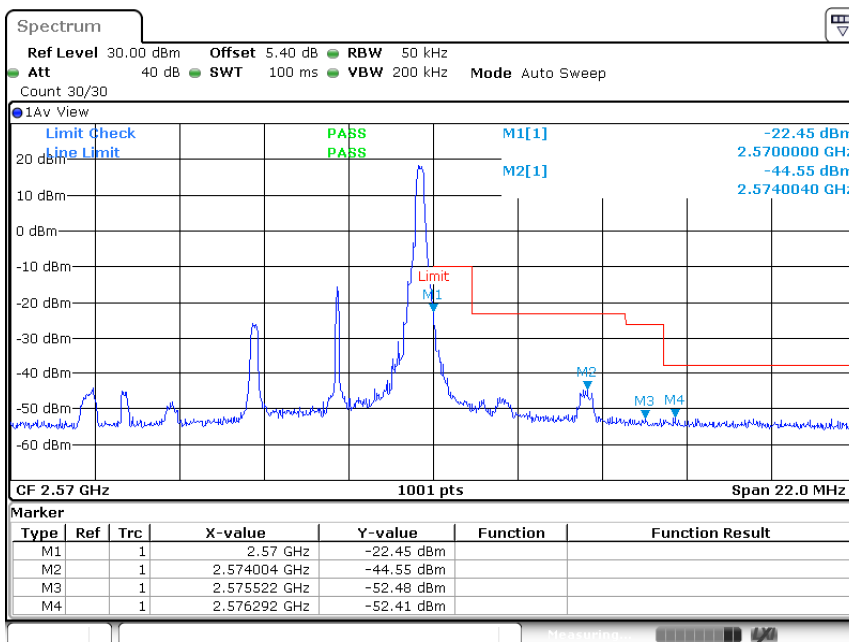
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Band7-5MHz-64QAM-20775-25RB#0



Date: 22.OCT.2020 17:11:42

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



Date: 22.OCT.2020 17:12:09



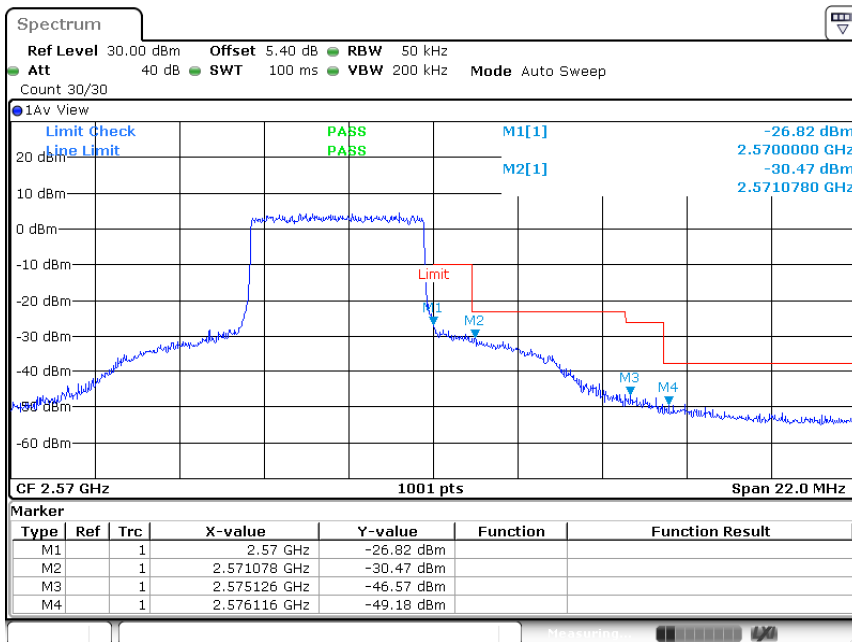
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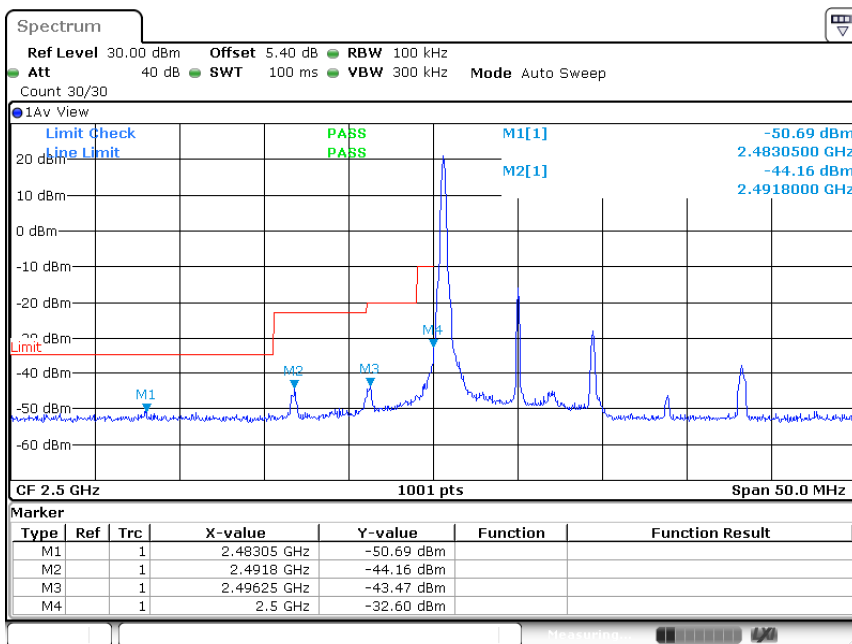
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Band7-5MHz-64QAM-21425-25RB#0



Date: 22.OCT.2020 17:12:27

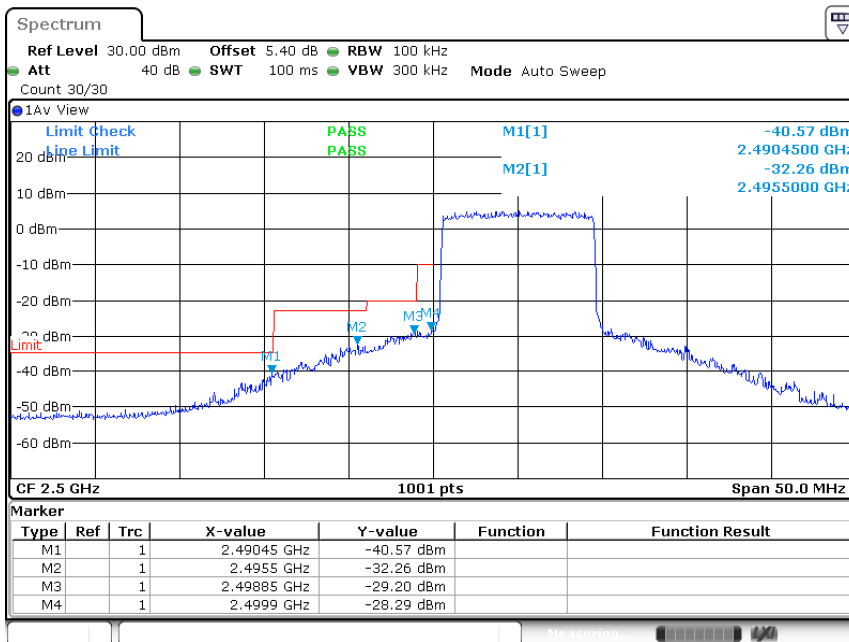
Band7-10MHz-QPSK-20800-1RB#0



Date: 22.OCT.2020 15:44:11

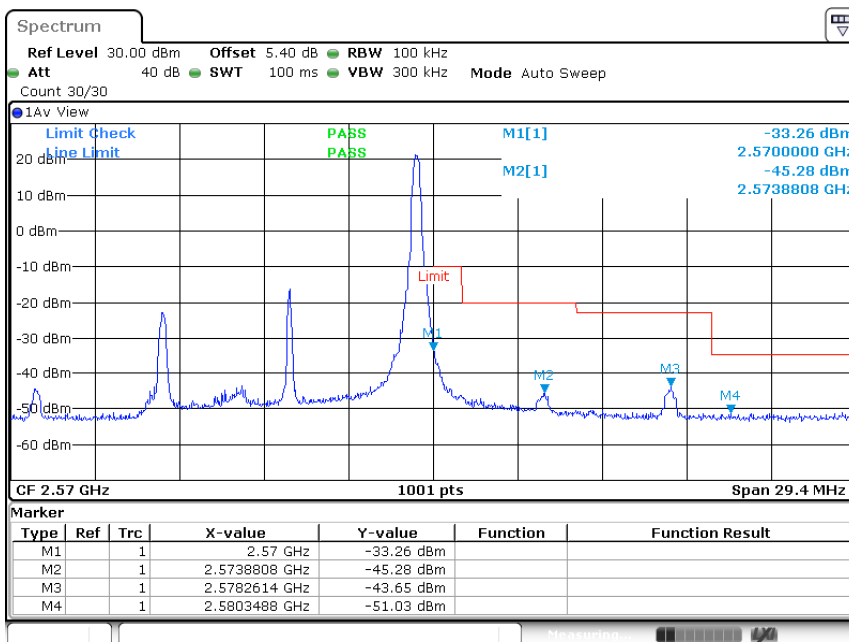


Band7-10MHz-QPSK-20800-50RB#0



Date: 22.OCT.2020 15:44:47

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



Date: 22.OCT.2020 15:45:32



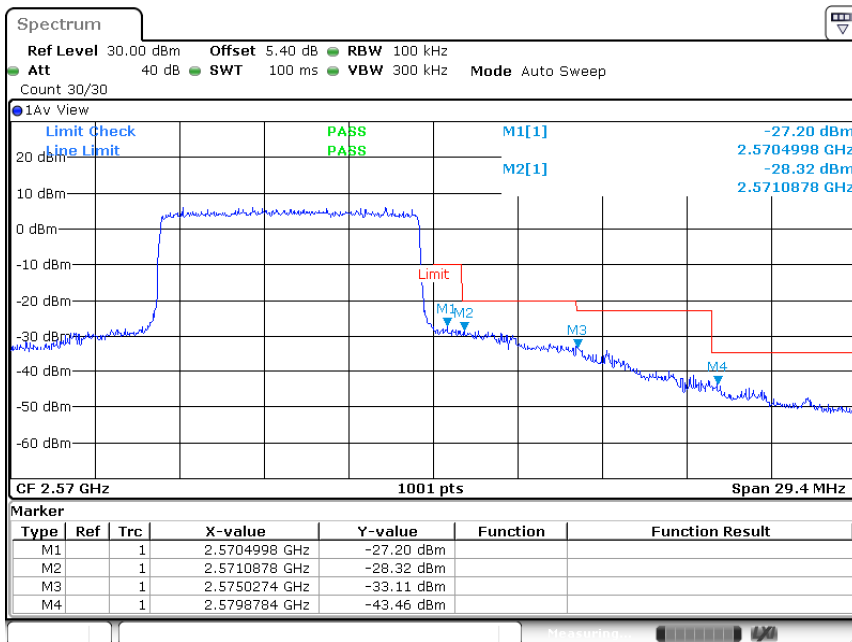
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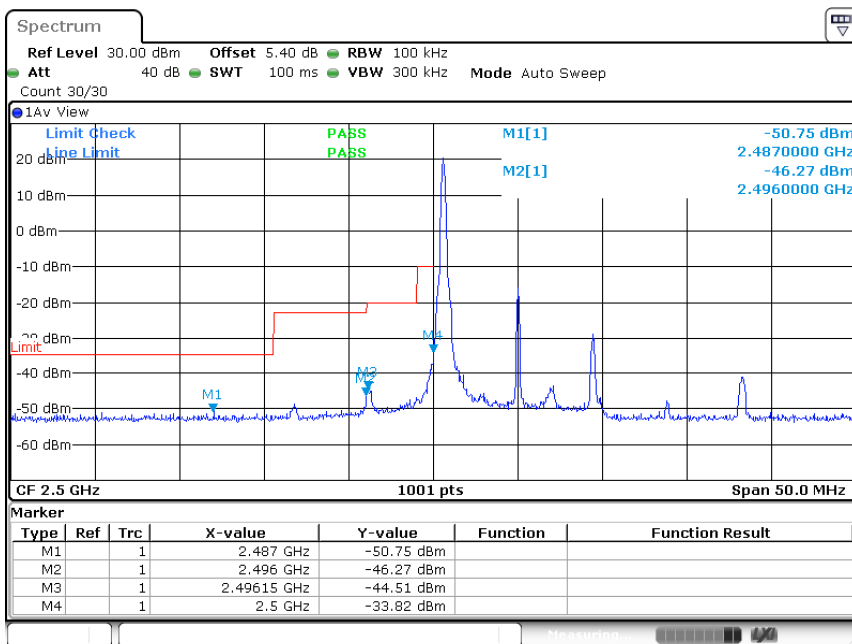
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Band7-10MHz-QPSK-21400-50RB#0



Date: 22.OCT.2020 15:46:09

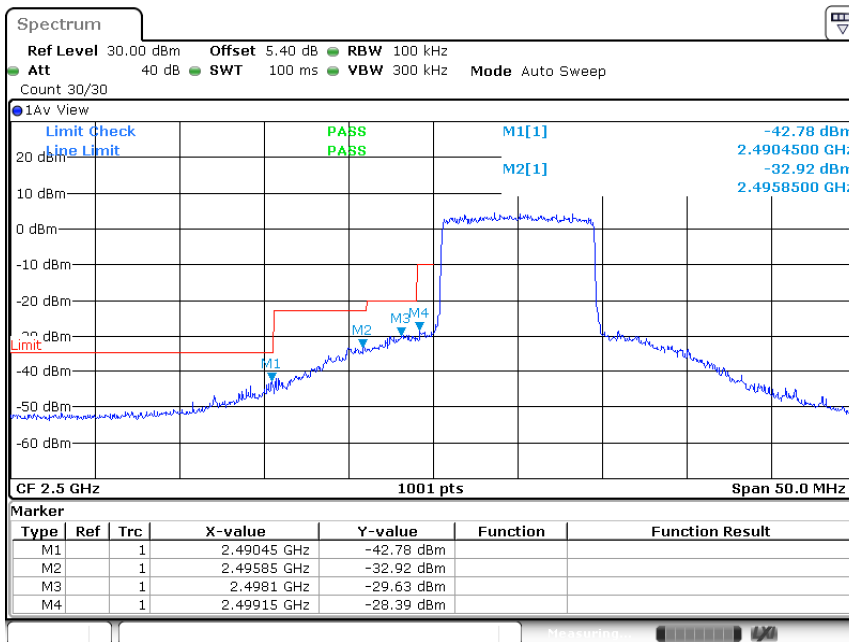
Band7-10MHz-16QAM-20800-1RB#0



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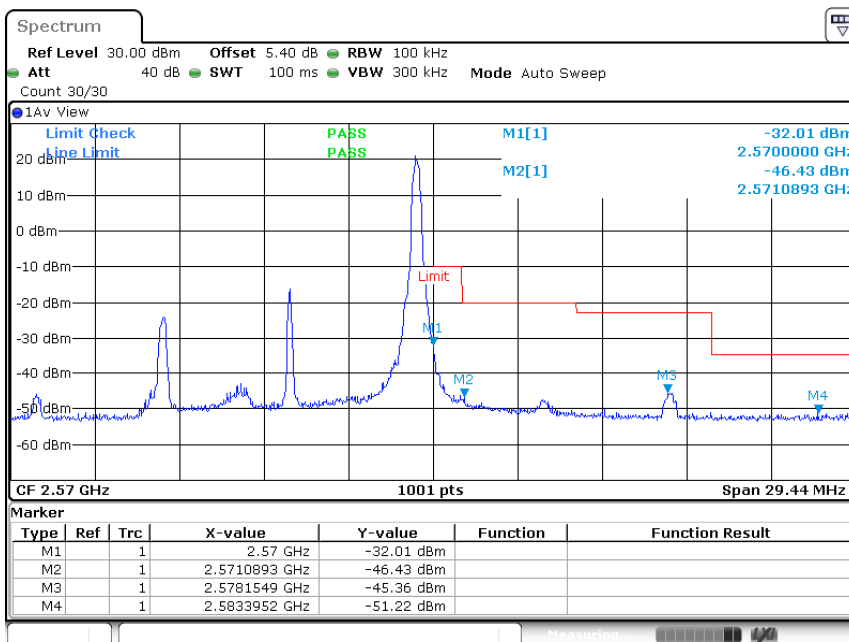


Band7-10MHz-16QAM-20800-50RB#0



Date: 22.OCT.2020 15:45:06

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



Date: 22.OCT.2020 15:45:51

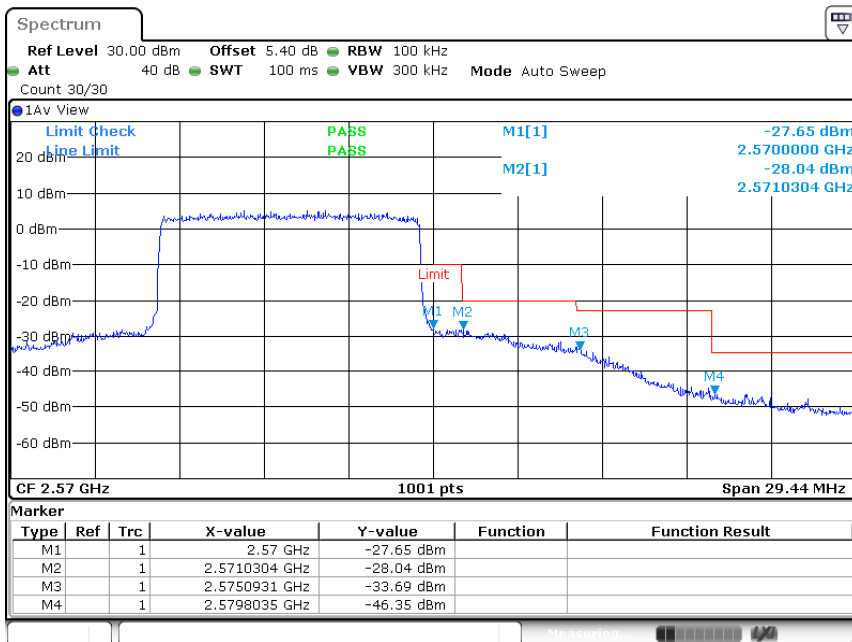


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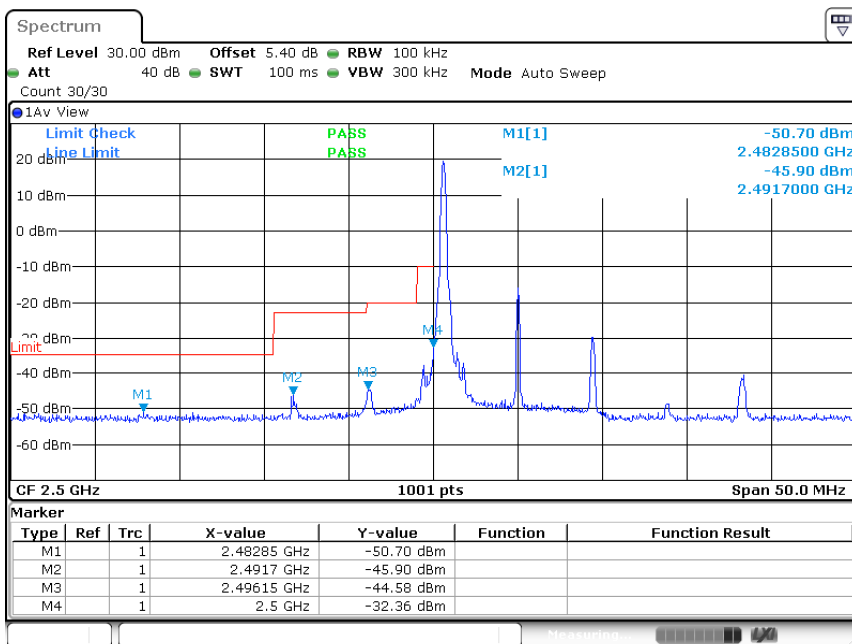
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Band7-10MHz-16QAM-21400-50RB#0



Date: 22.OCT.2020 15:46:28

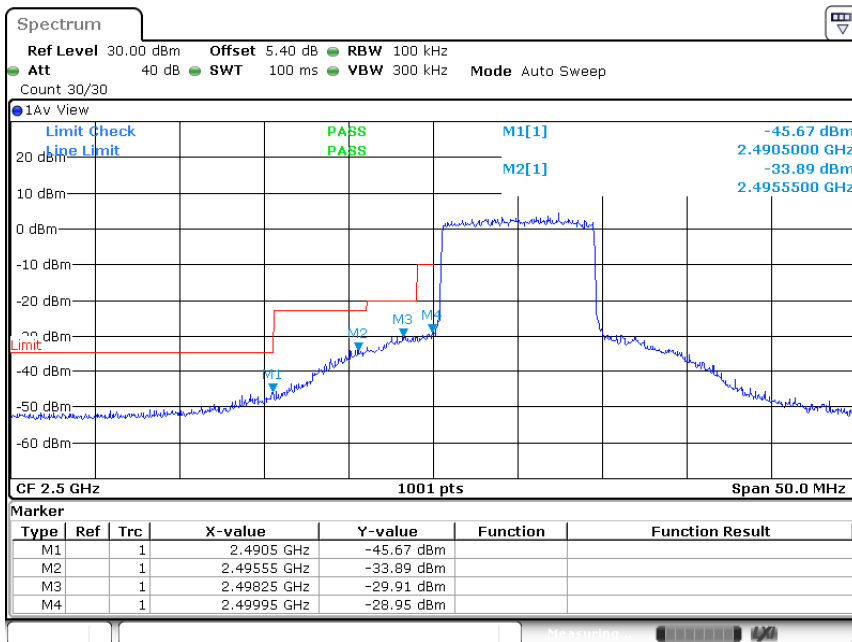
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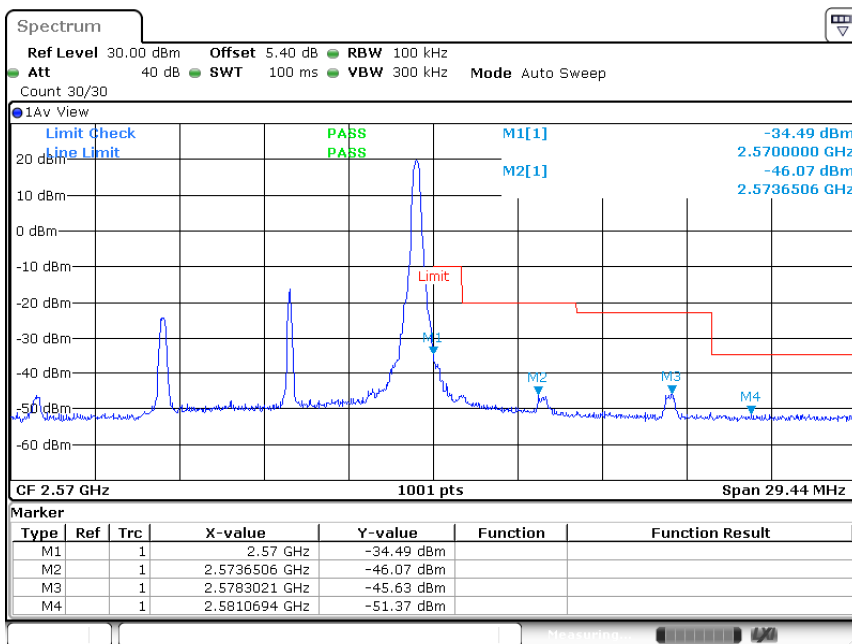


Band7-10MHz-64QAM-20800-50RB#0



Date: 22.OCT.2020 17:13:14

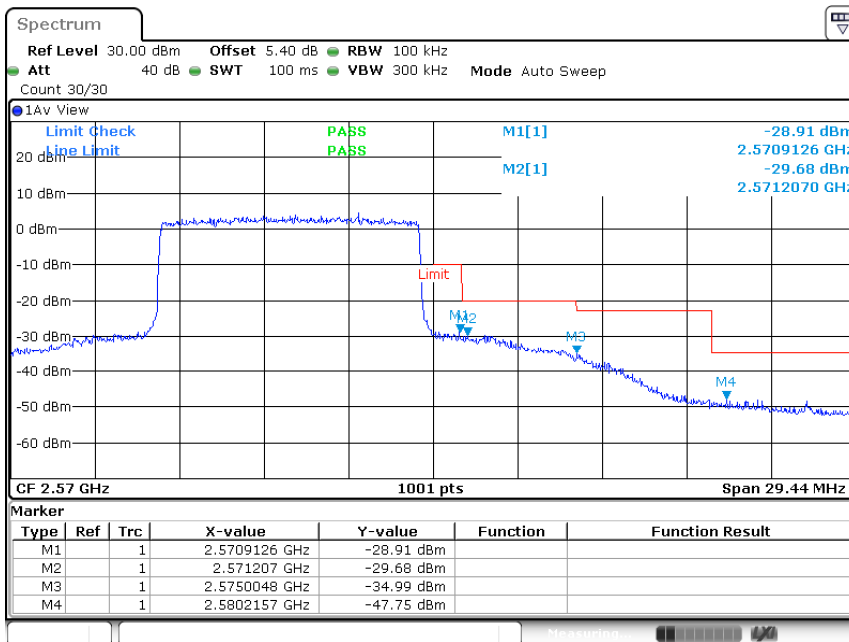
Band7-10MHz-64QAM-21400-1RB#49



Date: 22.OCT.2020 17:13:41

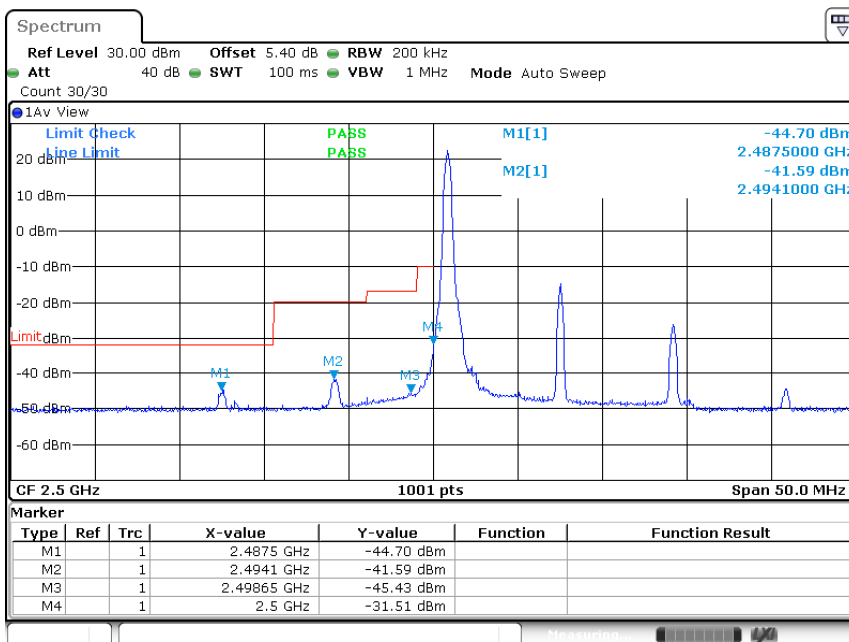


Band7-10MHz-64QAM-21400-50RB#0



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

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



Date: 22.OCT.2020 15:46:55

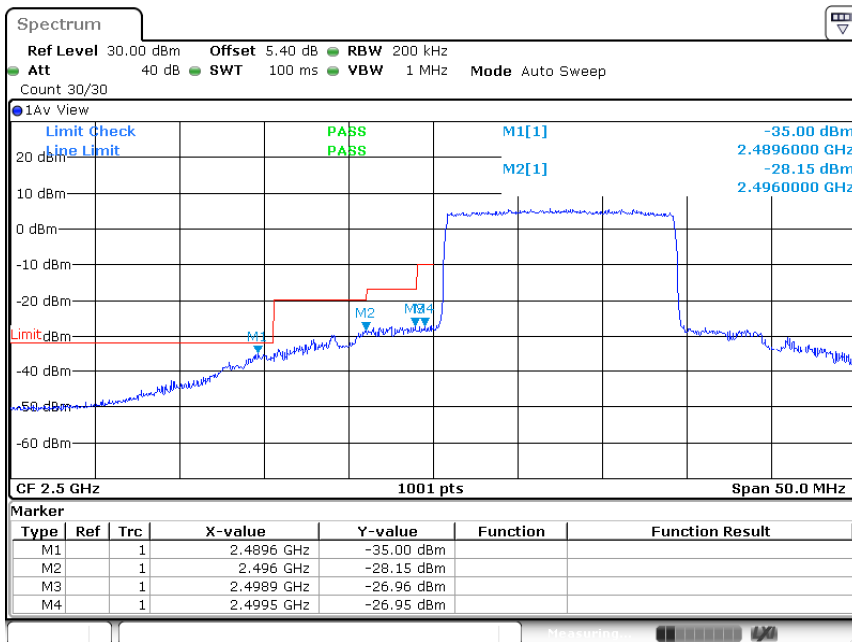


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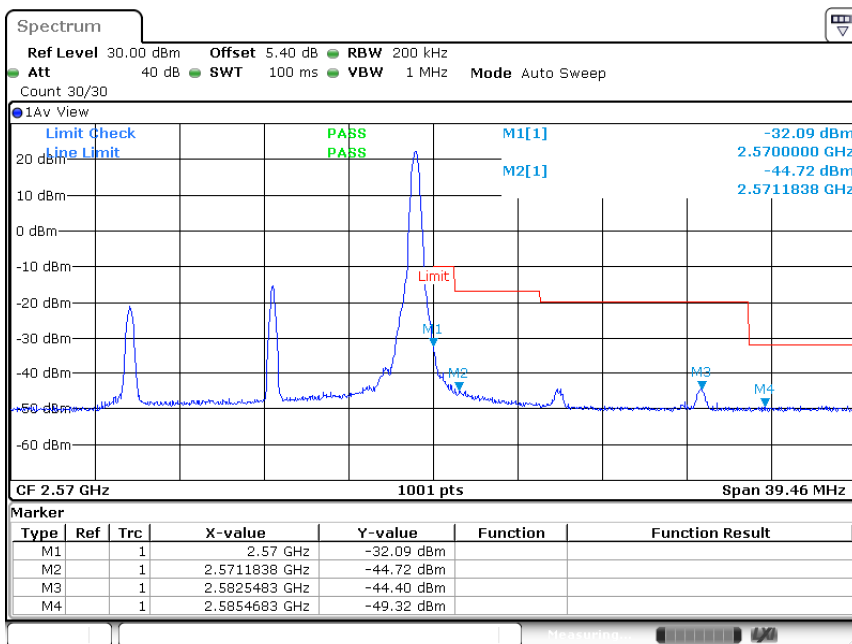
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Band7-15MHz-QPSK-20825-75RB#0



Date: 22.OCT.2020 15:47:32

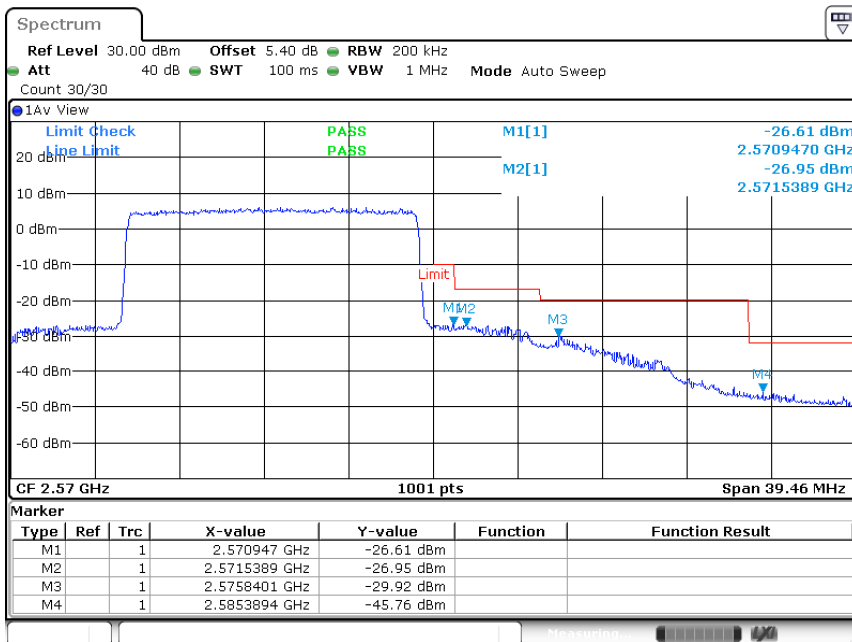
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Date: 22.OCT.2020 15:48:17

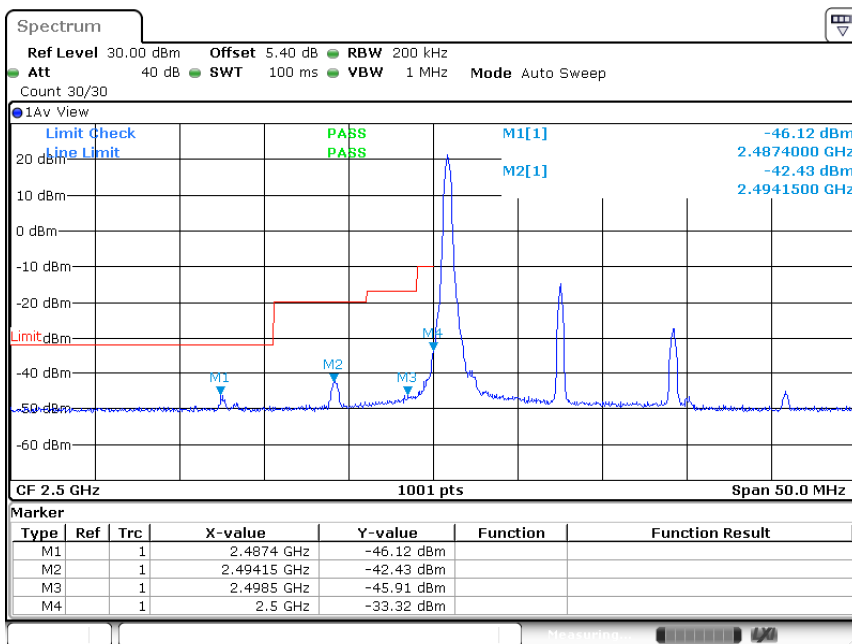


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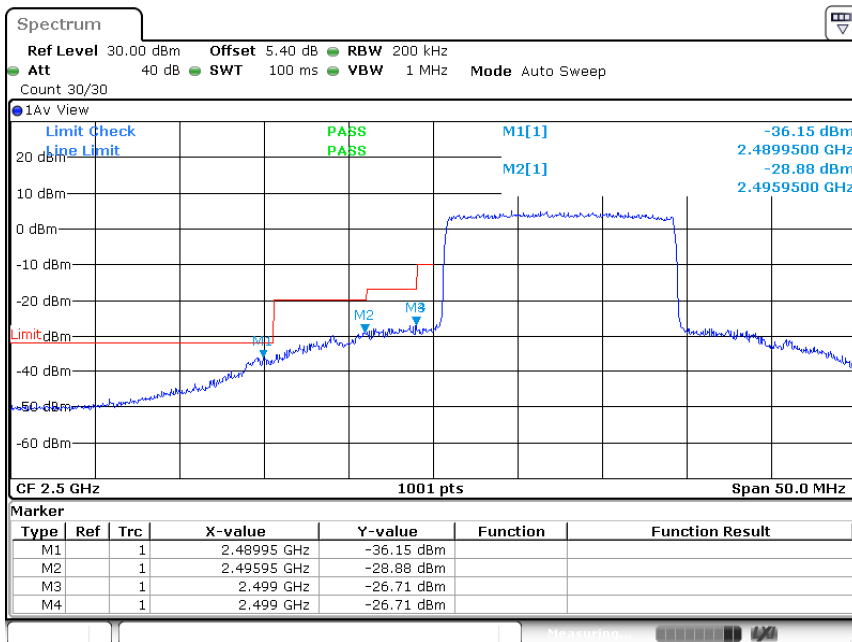
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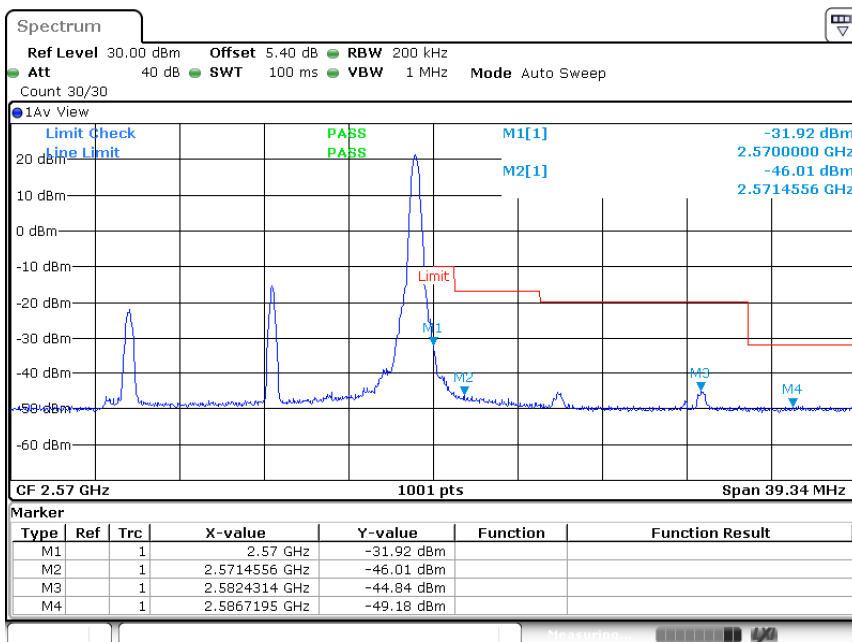


Band7-15MHz-16QAM-20825-75RB#0



Date: 22.OCT.2020 15:47:51

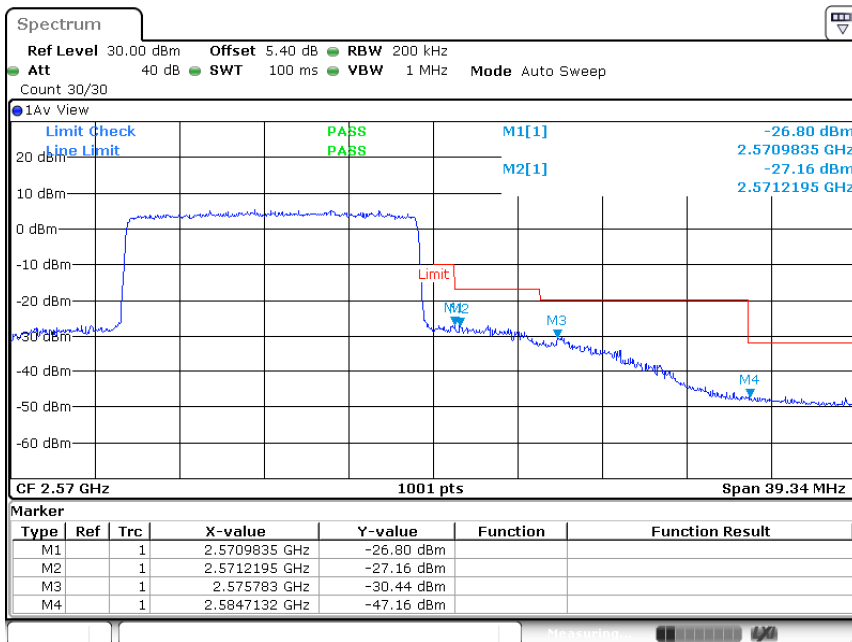
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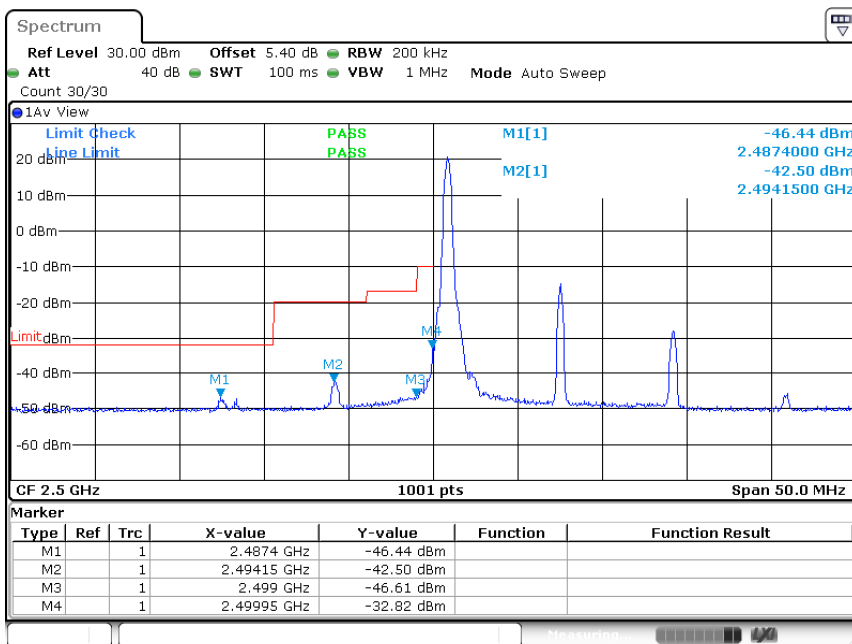


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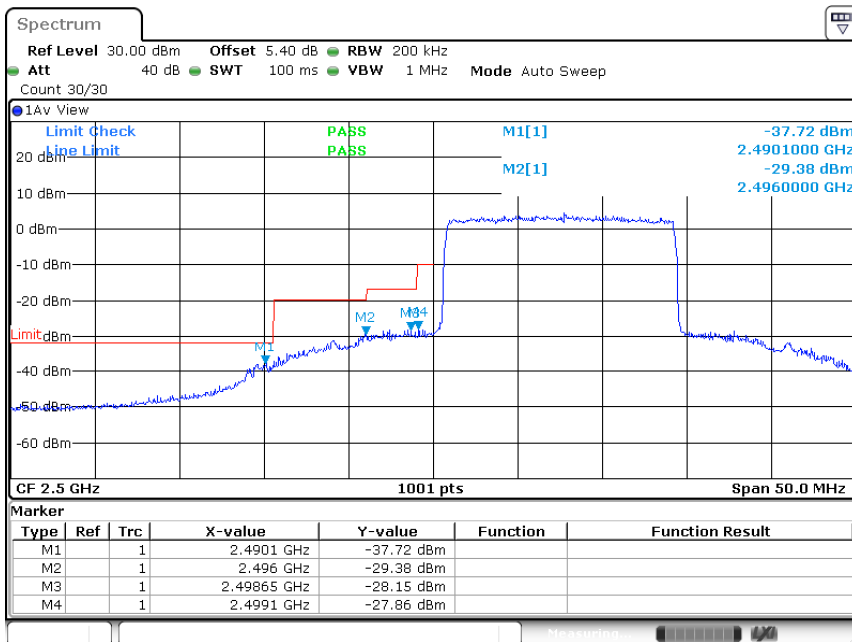
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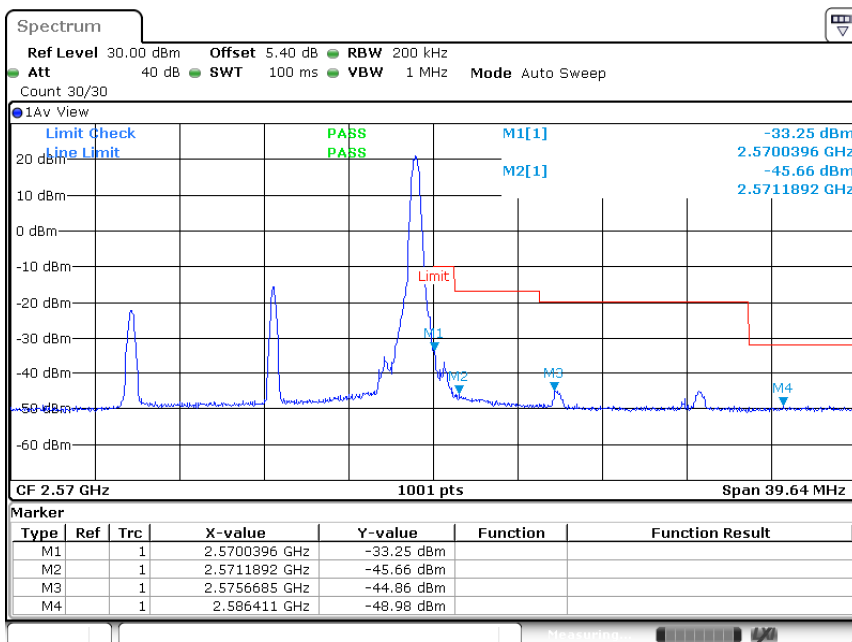


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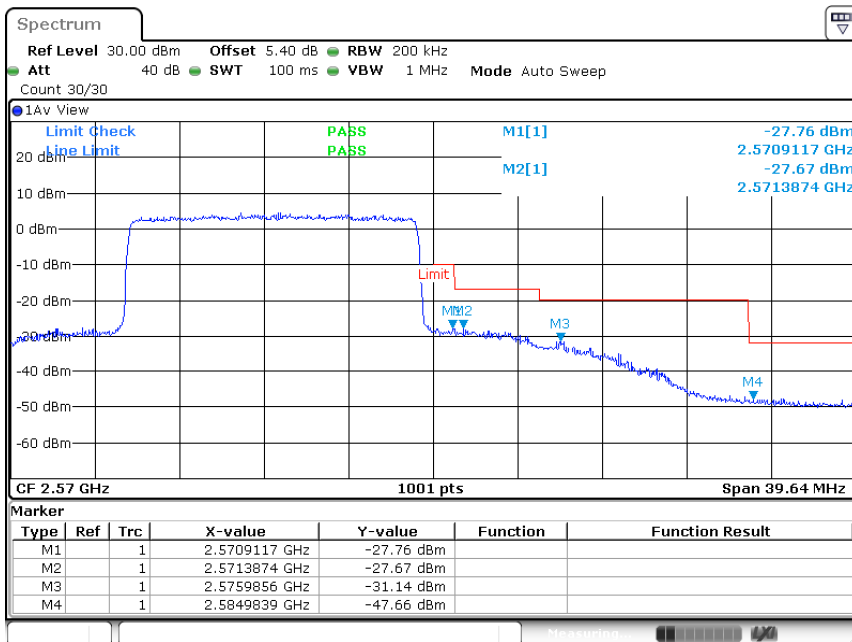
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Date: 22.OCT.2020 17:15:14

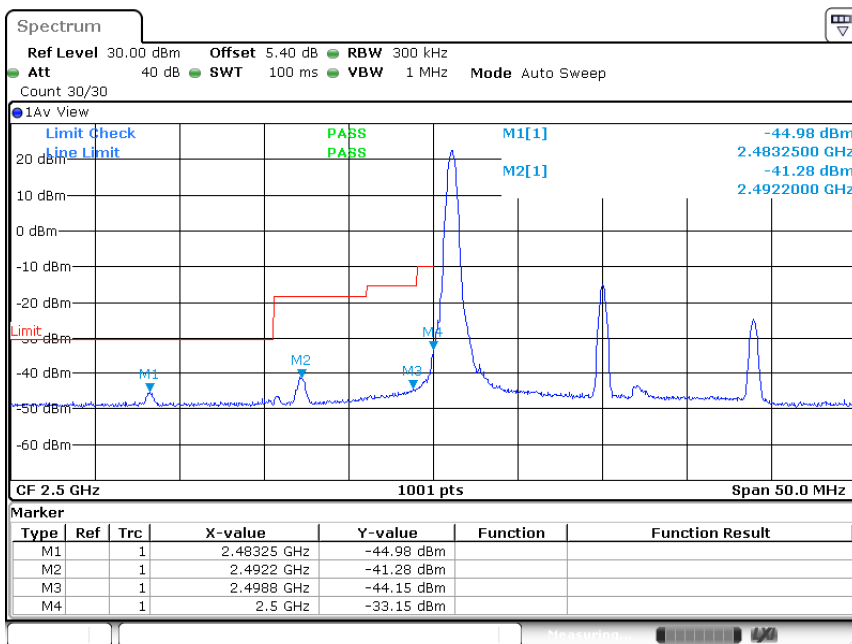


Band7-15MHz-64QAM-21375-75RB#0



Date: 22.OCT.2020 17:15:32

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



Date: 22.OCT.2020 15:49:40



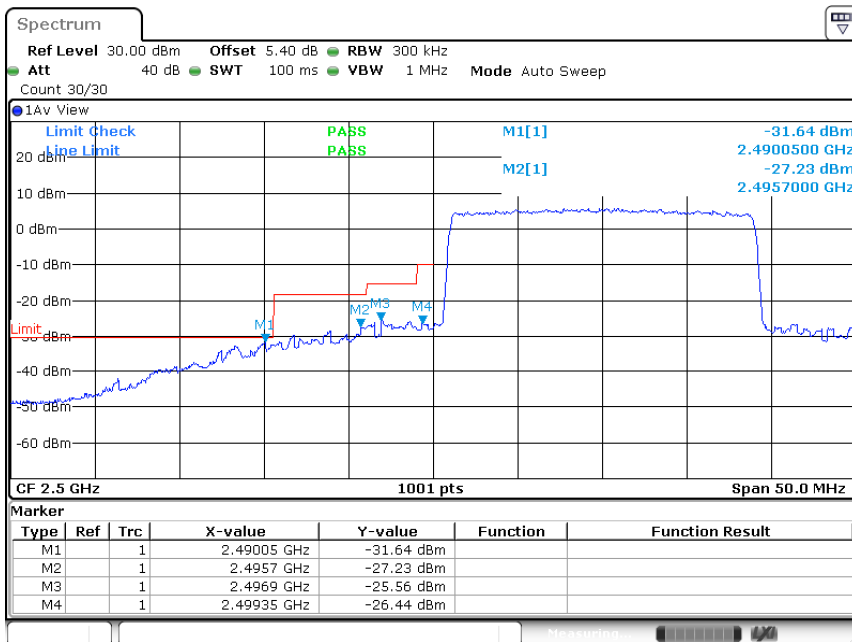
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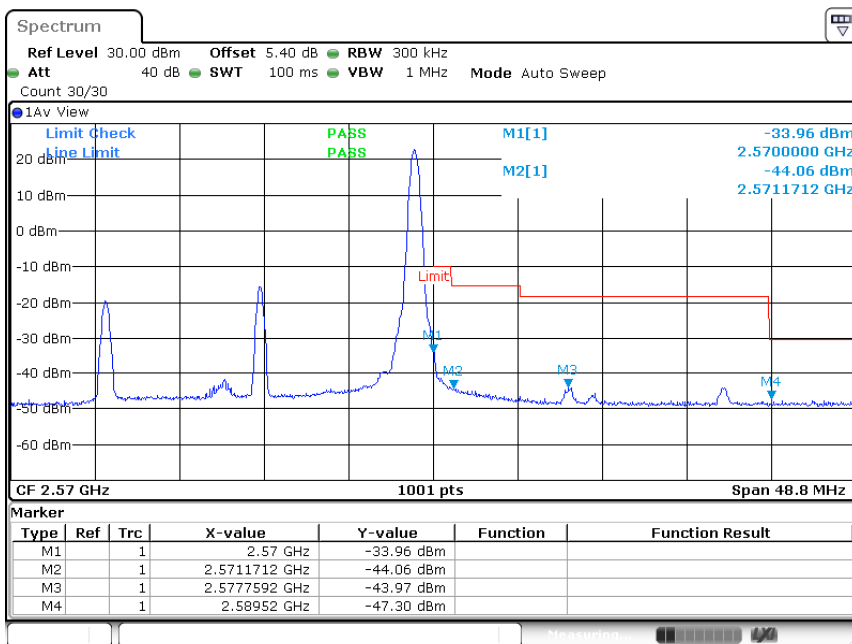
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Band7-20MHz-QPSK-20850-100RB#0



Date: 22.OCT.2020 15:50:17

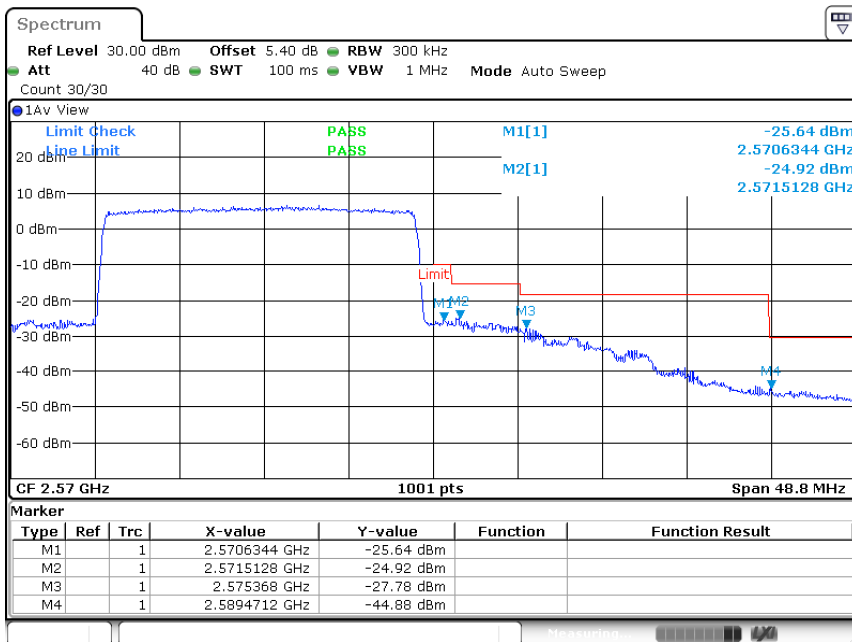
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Date: 22.OCT.2020 15:51:01

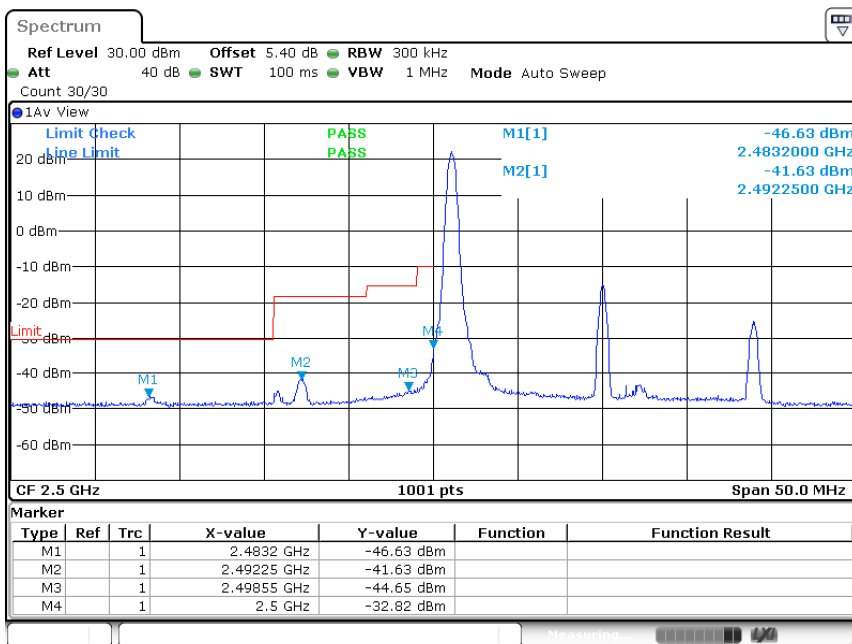


Band7-20MHz-QPSK-21350-100RB#0



Date: 22.OCT.2020 15:51:38

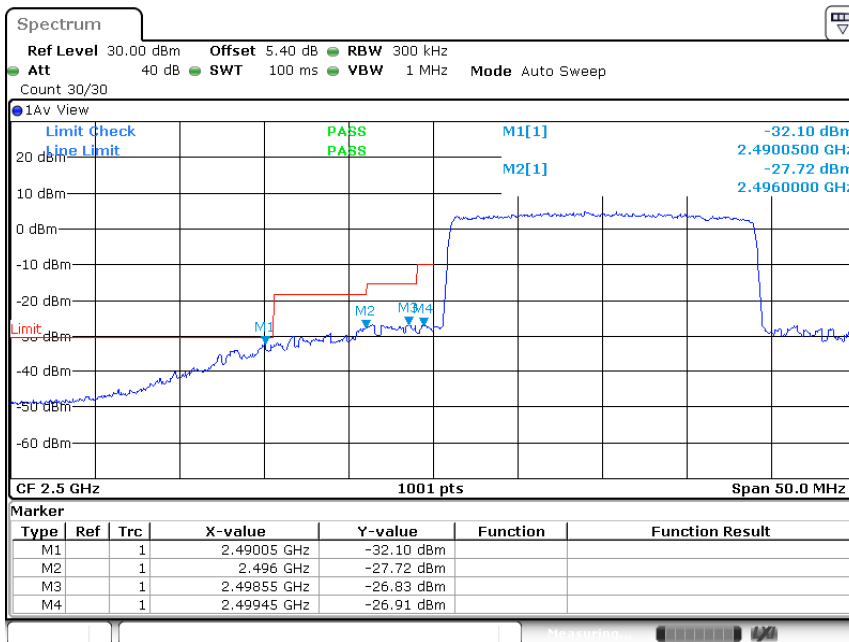
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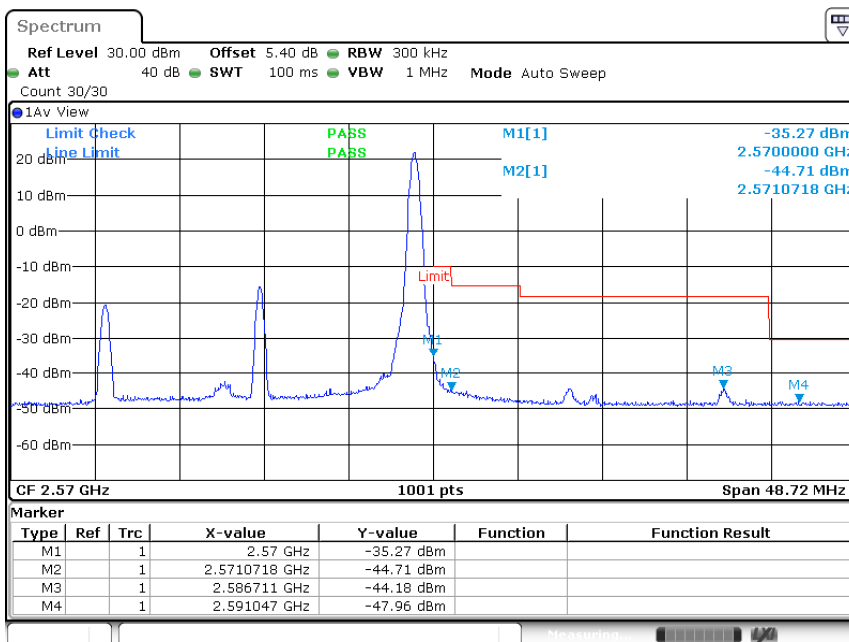


Band7-20MHz-16QAM-20850-100RB#0



Date: 22.OCT.2020 15:50:35

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



Date: 22.OCT.2020 15:51:20

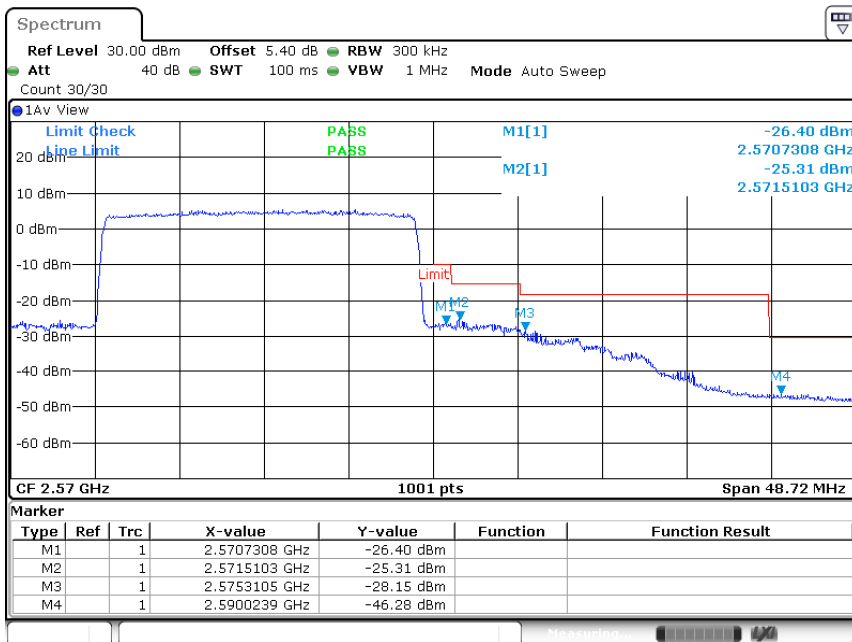


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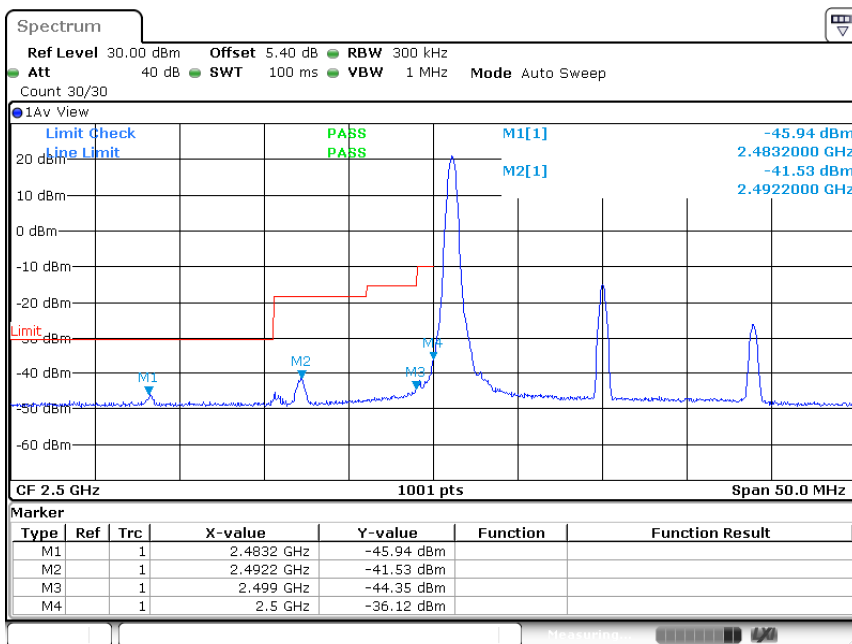
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中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



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

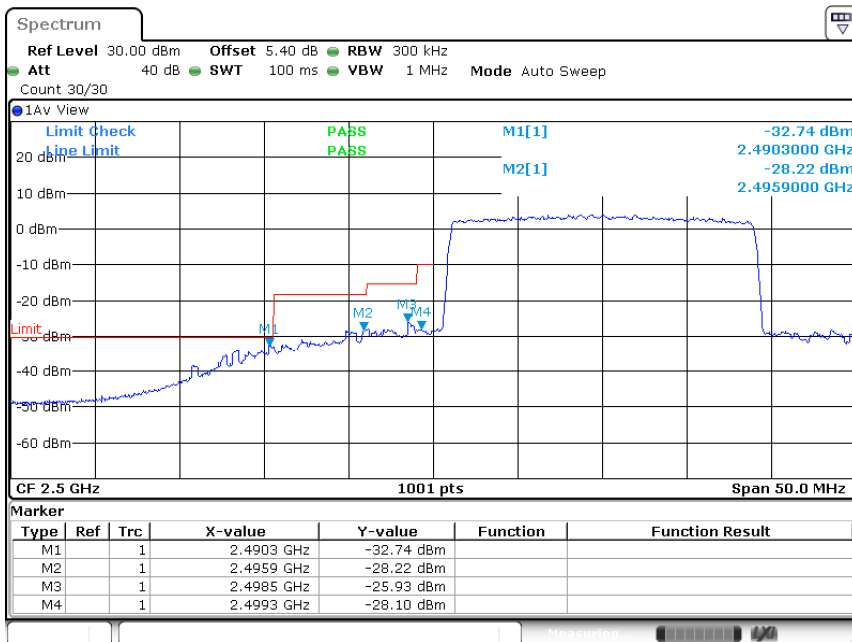
Band7-20MHz-64QAM-20850-1RB#0



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

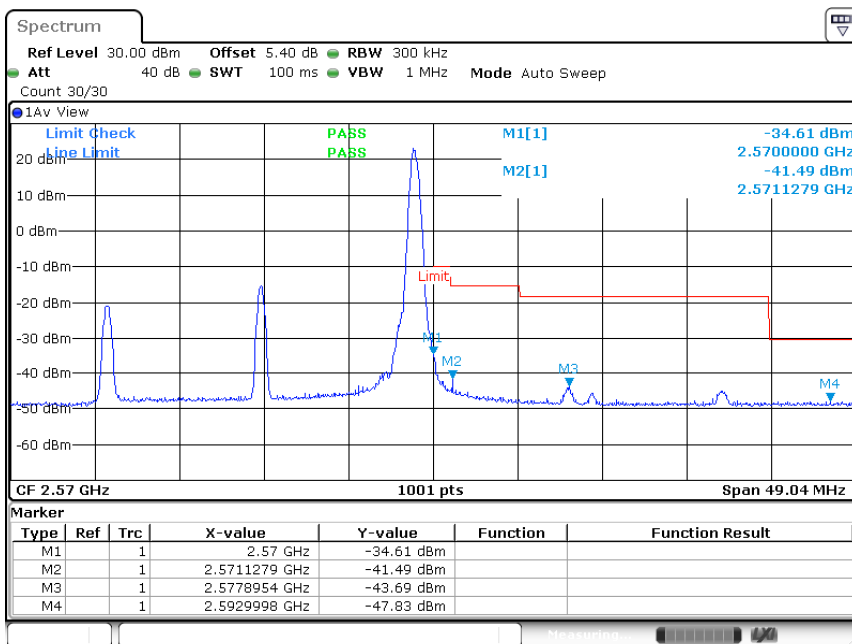


Band7-20MHz-64QAM-20850-100RB#0



Date: 22.OCT.2020 17:16:19

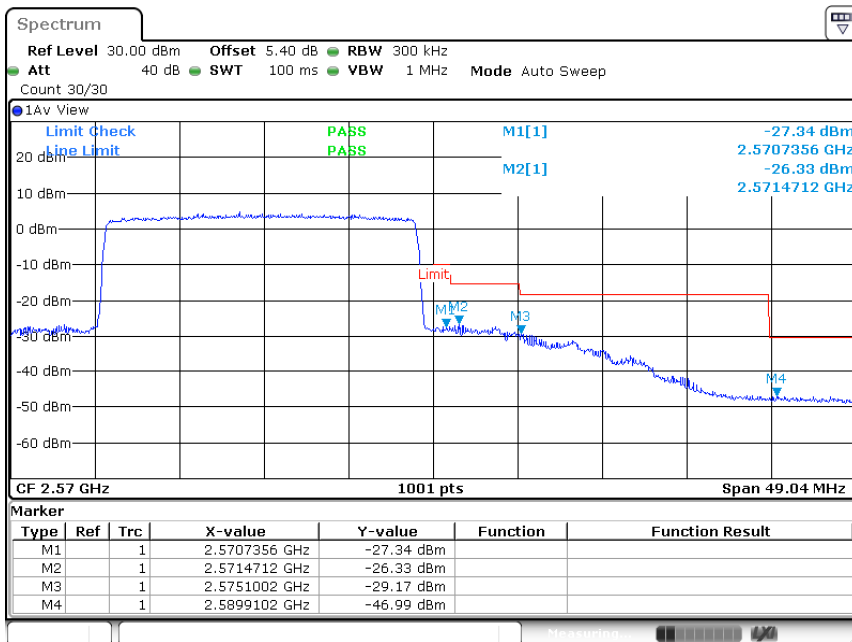
Band7-20MHz-64QAM-21350-1RB#99



Date: 22.OCT.2020 17:16:46



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



Date: 22.OCT.2020 17:17:04



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EEC Laboratory

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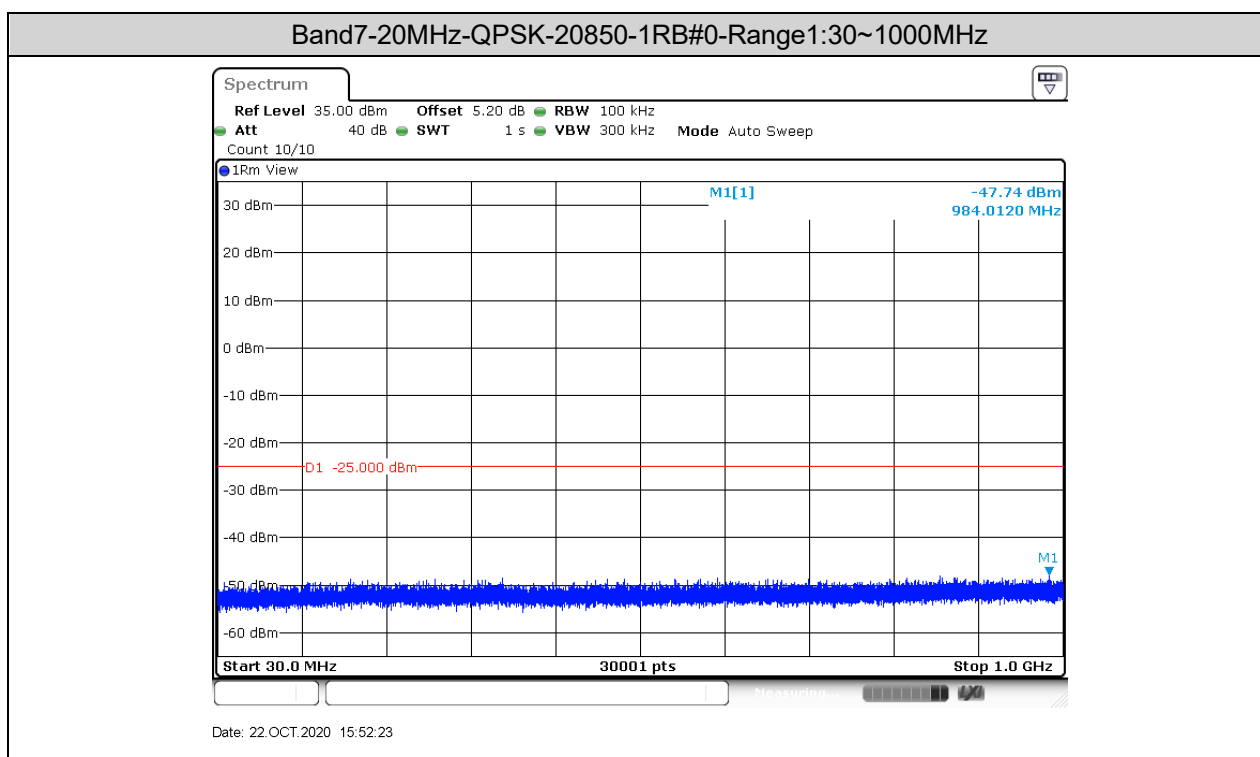
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6 Spurious Emission at Antenna Terminal

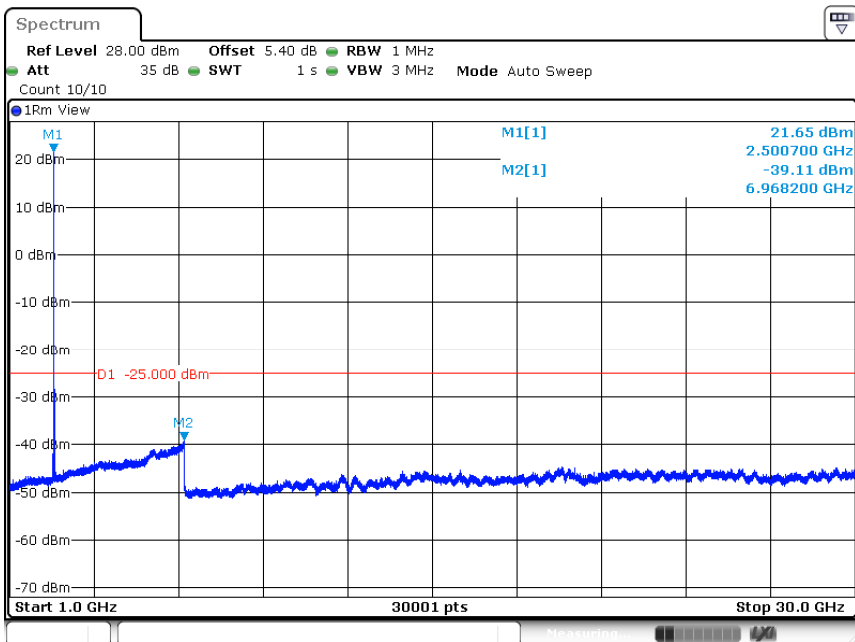
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / RBW)$ " 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

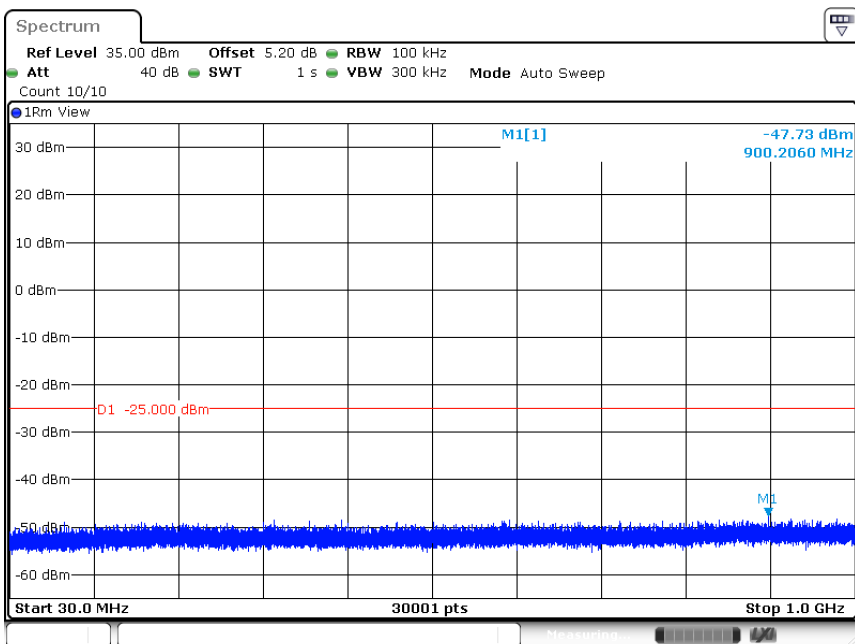


Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~30000MHz



Date: 22.OCT.2020 15:52:40

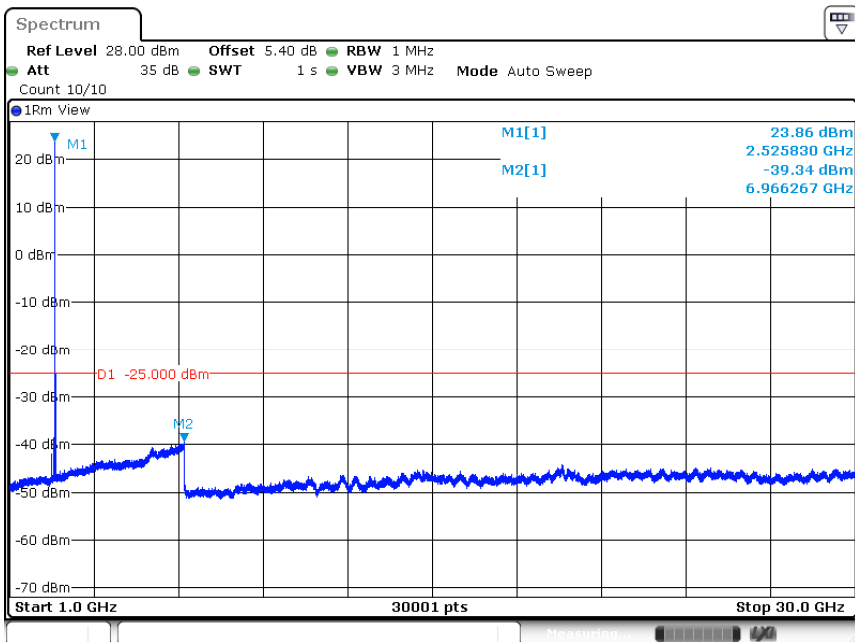
Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Date: 22.OCT.2020 15:53:41

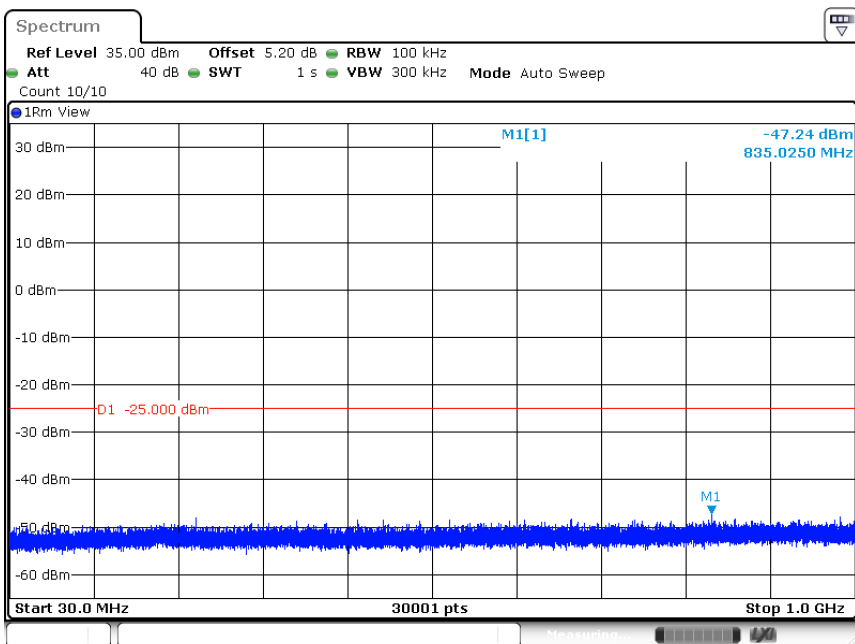


Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~30000MHz



Date: 22.OCT.2020 15:53:58

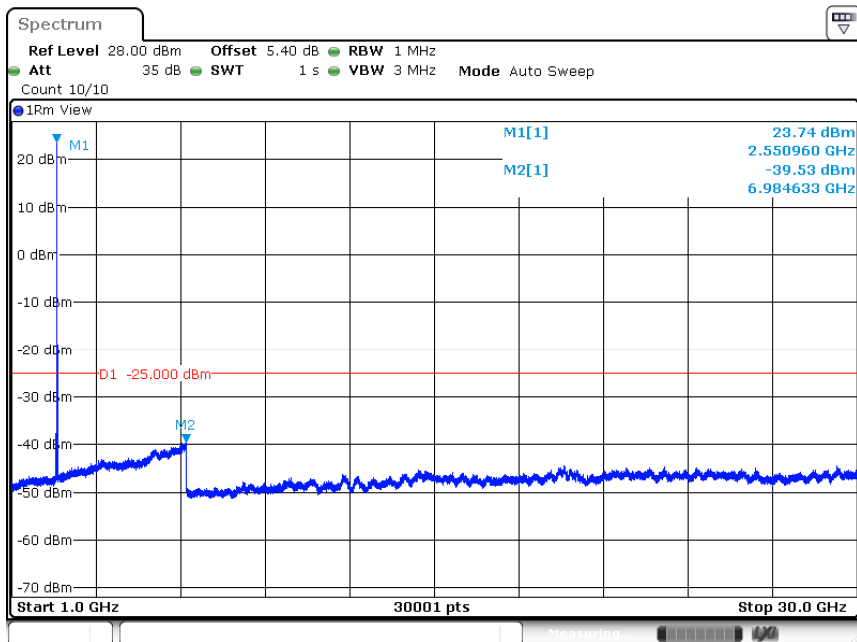
Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz



Date: 22.OCT.2020 15:54:59

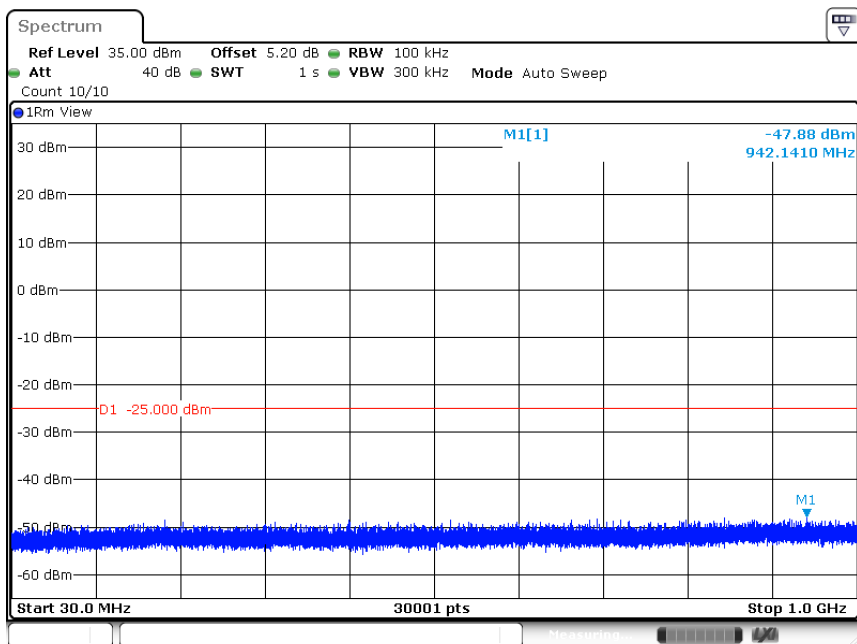


Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~30000MHz



Date: 22.OCT.2020 15:55:17

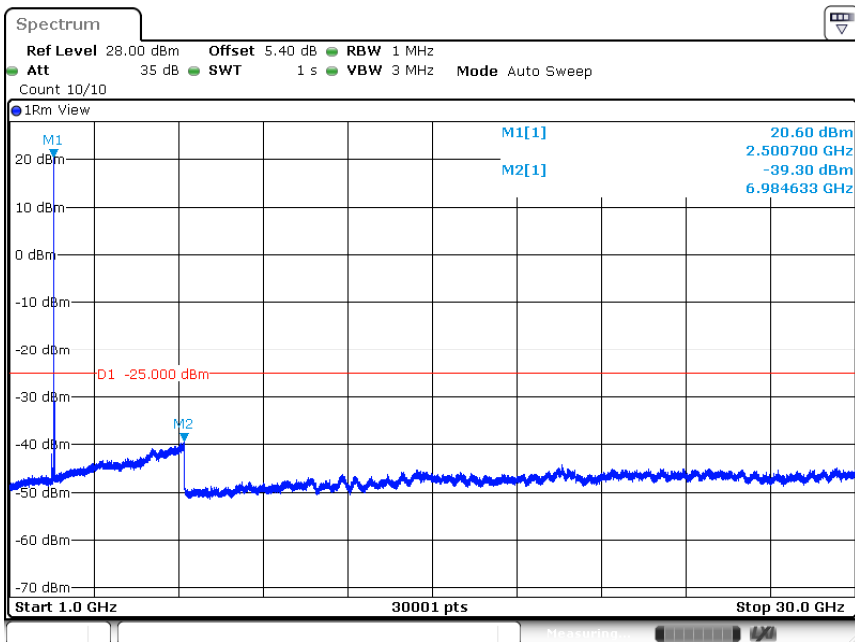
Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz



Date: 22.OCT.2020 15:53:02

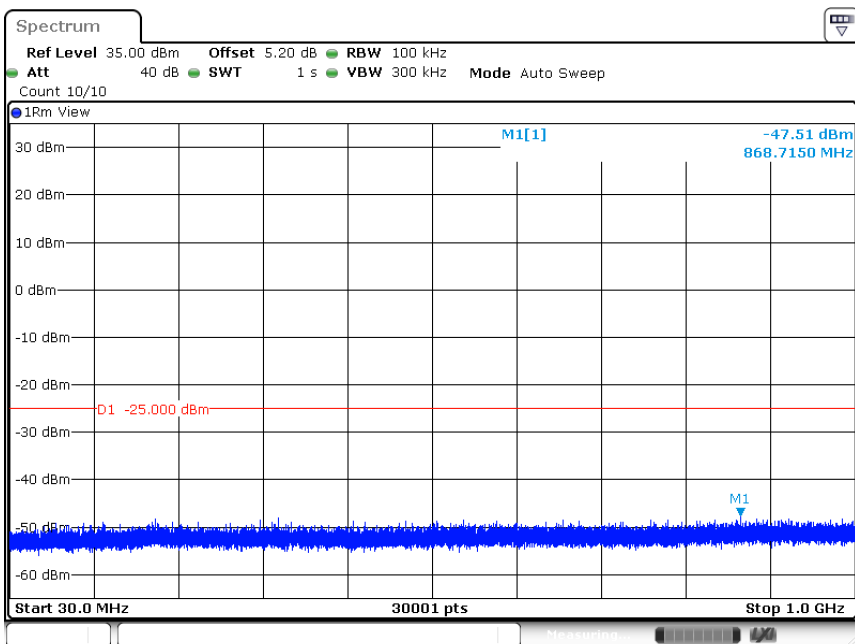


Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 22.OCT.2020 15:53:19

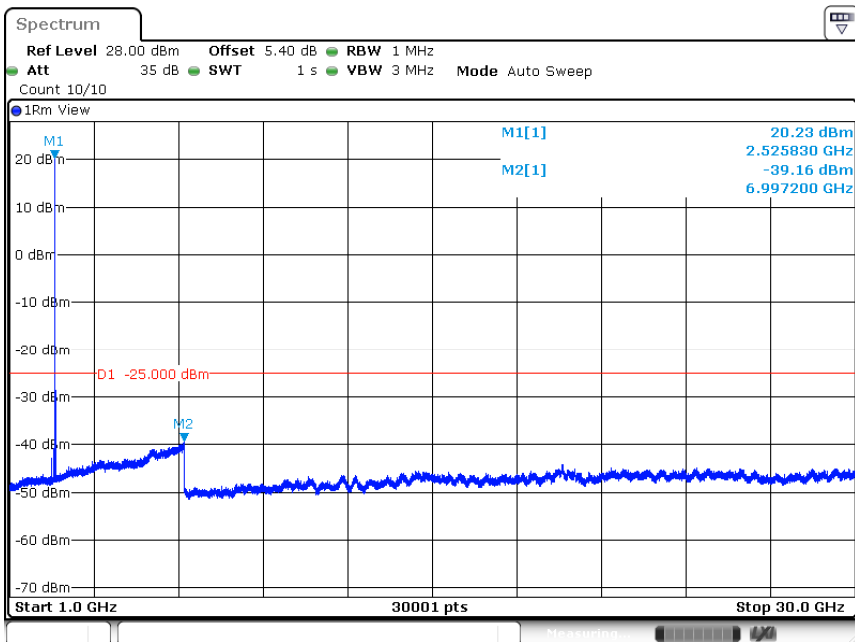
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Date: 22.OCT.2020 15:54:20

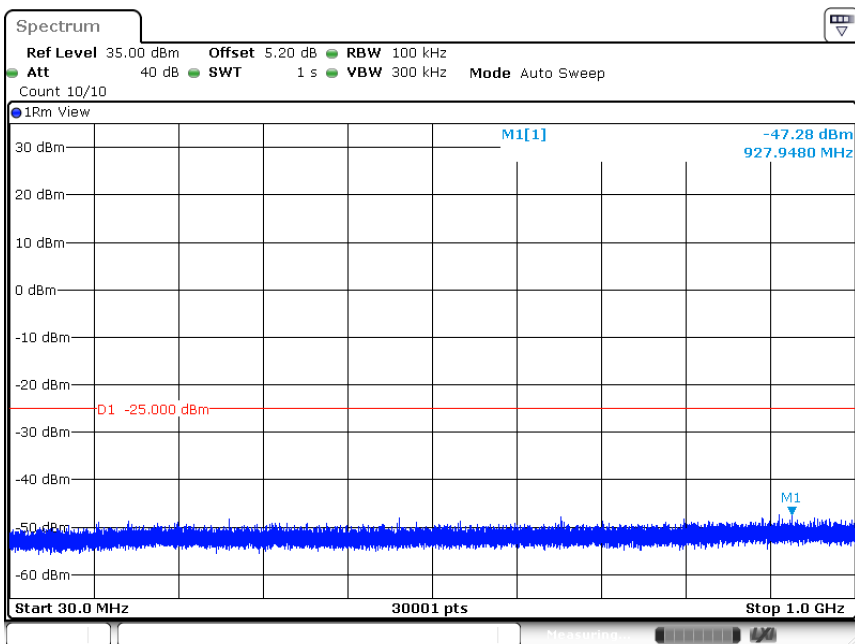


Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~30000MHz



Date: 22.OCT.2020 15:54:37

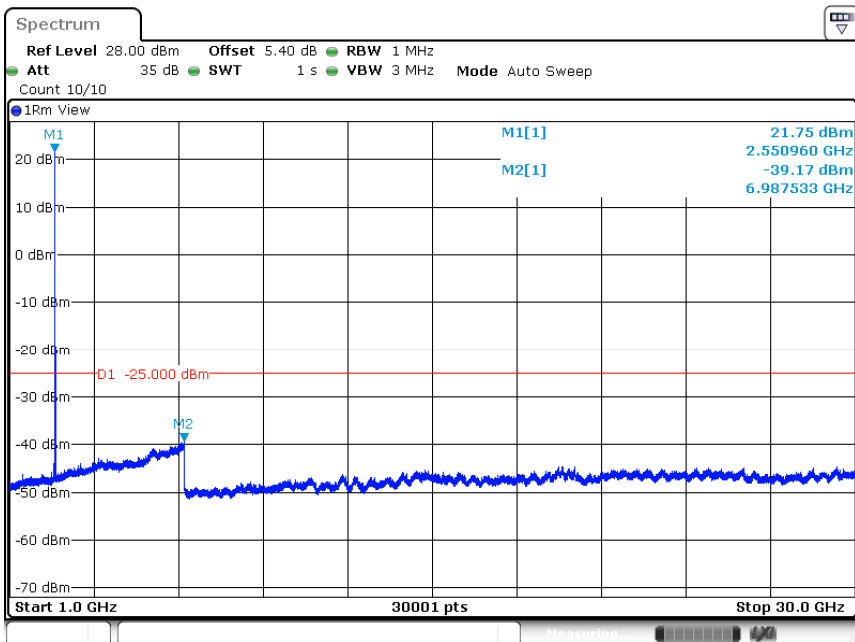
Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz



Date: 22.OCT.2020 15:55:38

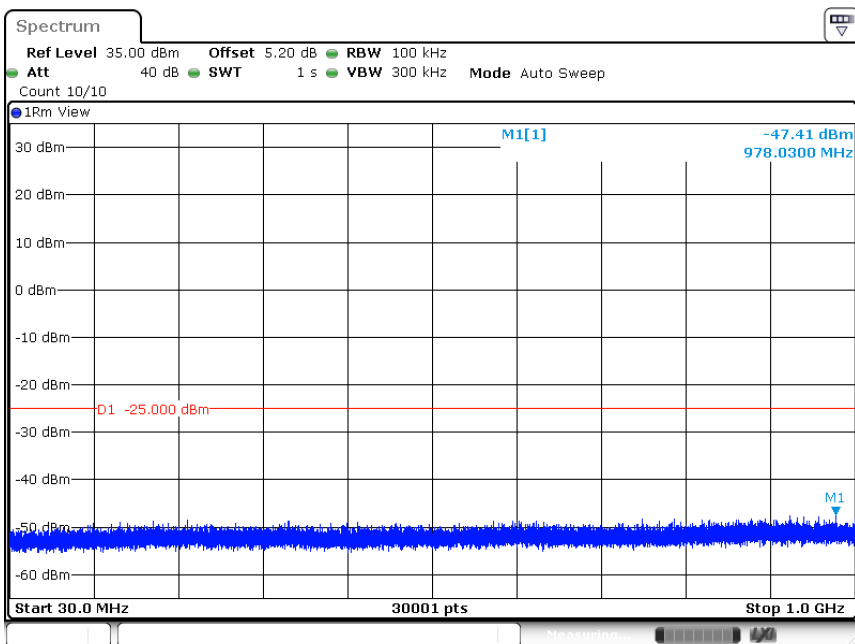


Band7-20MHz-16QAM-21350-1RB#0-Range2:1000~30000MHz



Date: 22.OCT.2020 15:55:55

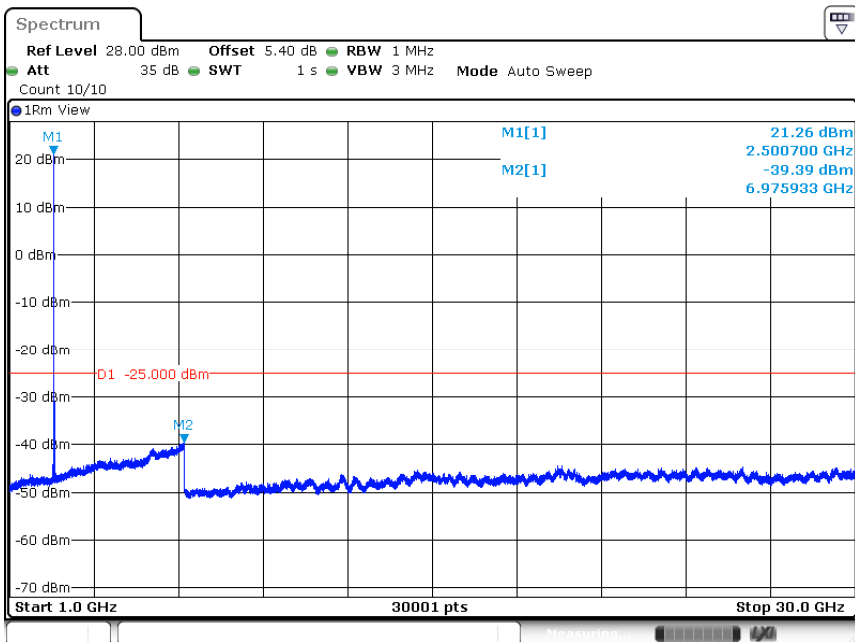
Band7-20MHz-64QAM-20850-1RB#0-Range1:30~1000MHz



Date: 22.OCT.2020 17:17:32

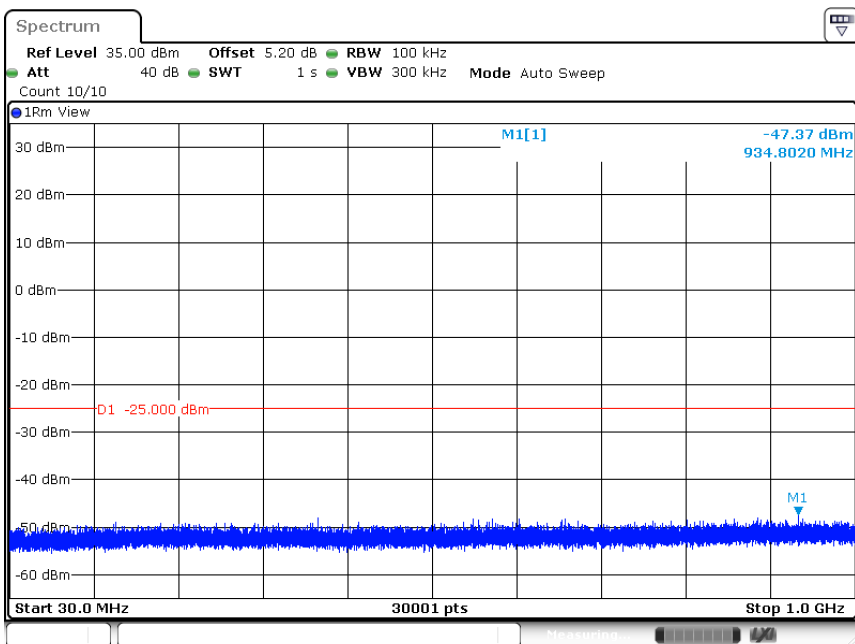


Band7-20MHz-64QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 22.OCT.2020 17:17:49

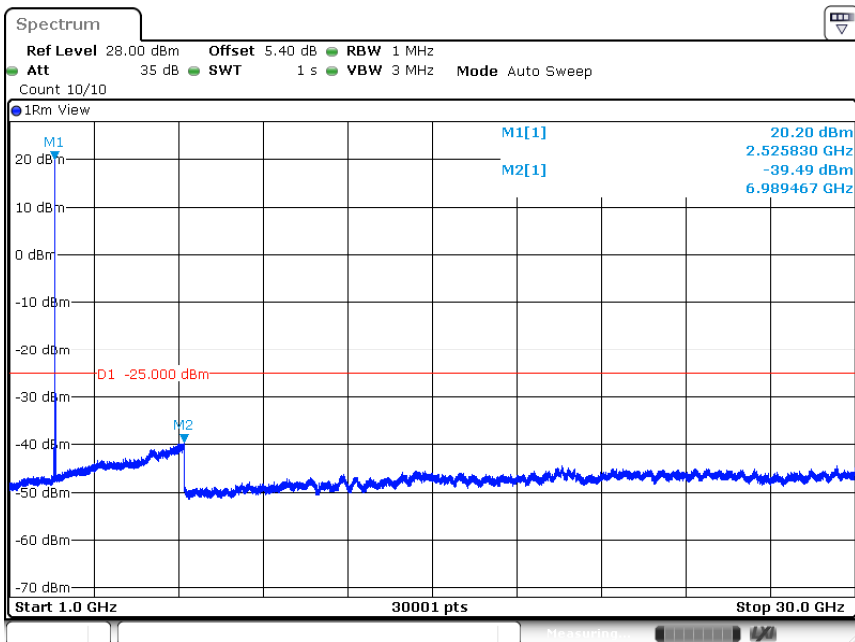
Band7-20MHz-64QAM-21100-1RB#0-Range1:30~1000MHz



Date: 22.OCT.2020 17:18:11

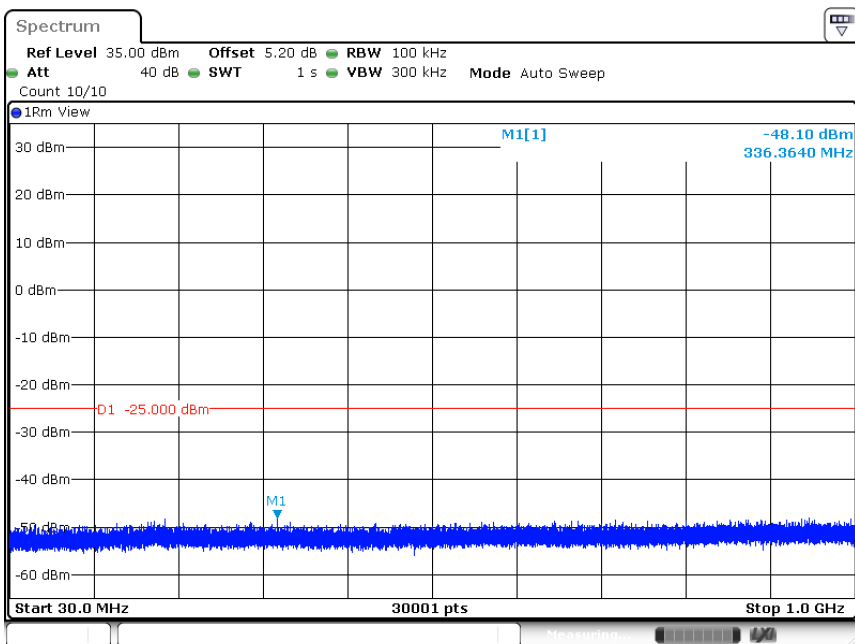


Band7-20MHz-64QAM-21100-1RB#0-Range2:1000~30000MHz



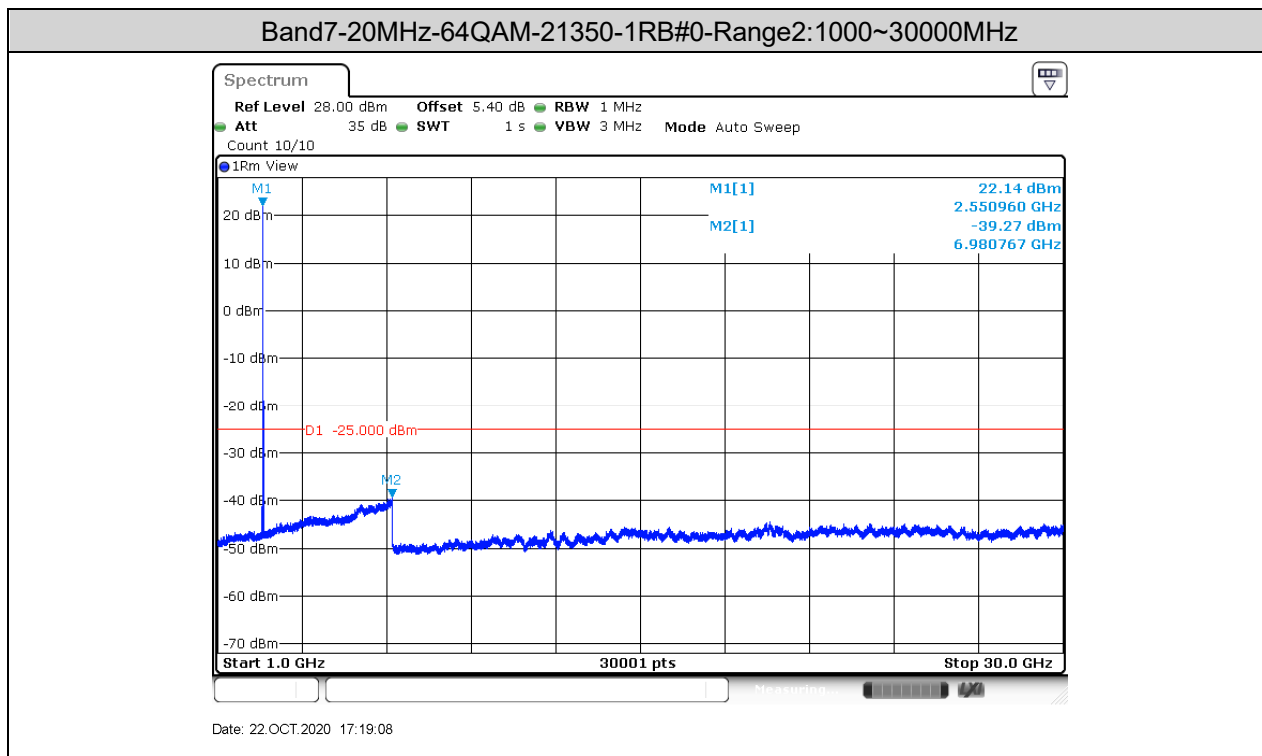
Date: 22.OCT.2020 17:18:28

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



Date: 22.OCT.2020 17:18:50





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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



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



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.





8 Frequency Stability

8.1 Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
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 (°C)	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

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