

Appendix E: Test Results of LTE Band 7

APPENDIX A: EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA	2
Test Result	2
APPENDIX B: PEAK-TO-AVERAGE RATIO(CCDF)	6
Test Result	6
Test Graphs.....	7
APPENDIX C: 26DB BANDWIDTH AND OCCUPIED BANDWIDTH.....	9
Test Result	9
Test Graphs.....	10
APPENDIX D: BAND EDGE	18
Test Result	18
Test Graphs.....	19
APPENDIX E: CONDUCTED SPURIOUS EMISSION.....	30
Test Result	30
Test Graphs.....	31
APPENDIX F: FREQUENCY STABILITY	37
Test Result	37

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.10	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.05	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.17	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.08	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.04	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.98	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.92	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.94	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.04	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.04	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.93	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.95	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.04	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.73	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.98	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.93	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.93	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.91	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.85	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.34	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.25	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.19	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.09	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.09	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.87	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.13	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.97	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.67	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.93	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.94	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.03	PASS
Band7	5MHz	16QAM	21100	12RB#13	21.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.90	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.89	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.57	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.74	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.85	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.94	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.09	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.04	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.14	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.96	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.98	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.14	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.13	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.97	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.00	PASS

Appendix E
CN21VQW2 001



Prüfbericht - Produkte
Test Report - Products

Page 3 of 38

Band7	10MHz	QPSK	21100	1RB#0	22.81	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.82	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.69	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.01	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.01	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.88	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.95	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.67	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.01	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.67	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.91	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.84	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.88	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.84	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.32	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.24	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.17	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.06	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.97	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.05	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.10	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.88	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.02	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.87	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.98	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.98	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.87	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.04	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.78	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.10	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.04	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.81	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.88	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.83	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.83	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.10	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.76	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.98	PASS
Band7	15MHz	QPSK	20825	36RB#0	22.01	PASS
Band7	15MHz	QPSK	20825	36RB#18	22.00	PASS
Band7	15MHz	QPSK	20825	36RB#39	21.88	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.90	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.73	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.54	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.55	PASS
Band7	15MHz	QPSK	21100	36RB#0	21.90	PASS
Band7	15MHz	QPSK	21100	36RB#18	21.93	PASS
Band7	15MHz	QPSK	21100	36RB#39	21.82	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.76	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.55	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.50	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.52	PASS
Band7	15MHz	QPSK	21375	36RB#0	21.78	PASS
Band7	15MHz	QPSK	21375	36RB#18	21.71	PASS
Band7	15MHz	QPSK	21375	36RB#39	21.86	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.70	PASS

Appendix E
CN21VQW2 001



Prüfbericht - Produkte
Test Report - Products

Page 4 of 38

Band7	15MHz	16QAM	20825	1RB#0	22.34	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.02	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.87	PASS
Band7	15MHz	16QAM	20825	36RB#0	21.13	PASS
Band7	15MHz	16QAM	20825	36RB#18	21.03	PASS
Band7	15MHz	16QAM	20825	36RB#39	20.99	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.90	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.95	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.71	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.81	PASS
Band7	15MHz	16QAM	21100	36RB#0	20.63	PASS
Band7	15MHz	16QAM	21100	36RB#18	20.84	PASS
Band7	15MHz	16QAM	21100	36RB#39	20.76	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.76	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.67	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.72	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.80	PASS
Band7	15MHz	16QAM	21375	36RB#0	20.61	PASS
Band7	15MHz	16QAM	21375	36RB#18	20.78	PASS
Band7	15MHz	16QAM	21375	36RB#39	20.77	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.84	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.92	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.87	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.84	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.88	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.87	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.77	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.70	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.71	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.71	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.70	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.87	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.88	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.81	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.85	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.52	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.72	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.67	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.58	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.53	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.75	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.63	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.87	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.98	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.83	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	20.90	PASS
Band7	20MHz	16QAM	20850	50RB#50	20.84	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.72	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.82	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.82	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.89	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.88	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.88	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.92	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.87	PASS

Appendix E
CN21VQW2 001



Prüfbericht - Produkte
Test Report - Products

Page 5 of 38

Band7	20MHz	16QAM	21350	1RB#0	21.54	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.12	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.11	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.68	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.75	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.93	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.79	PASS

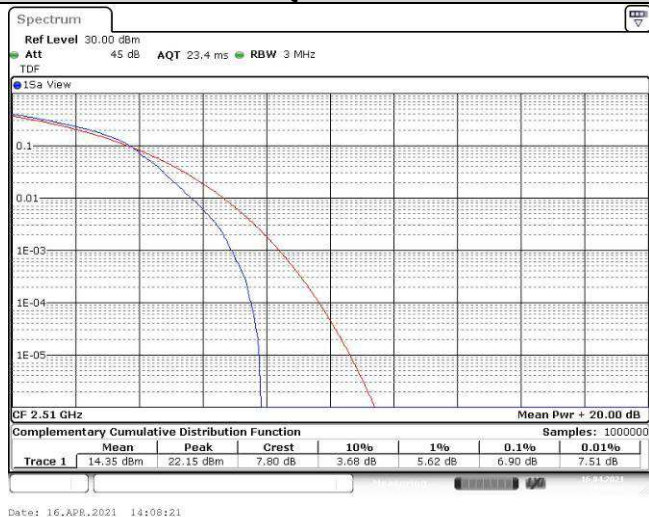
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

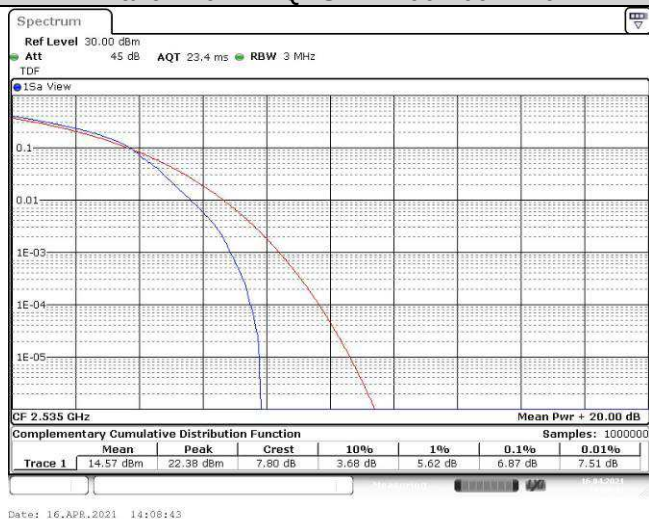
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	6.90	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	6.87	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	6.90	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	7.28	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	7.30	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	7.36	13	PASS

Test Graphs

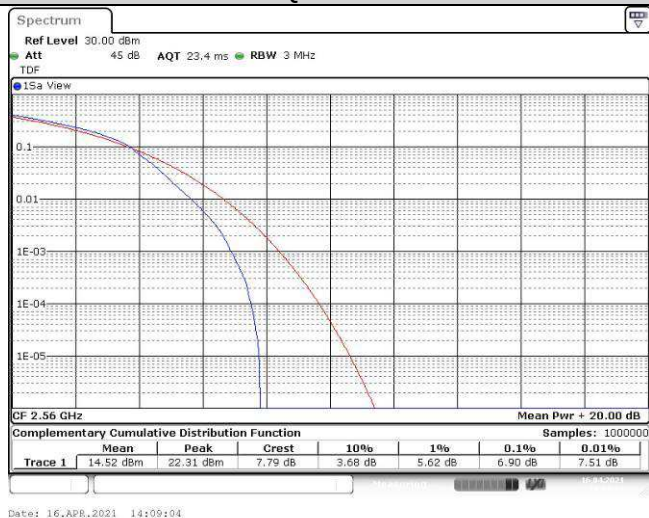
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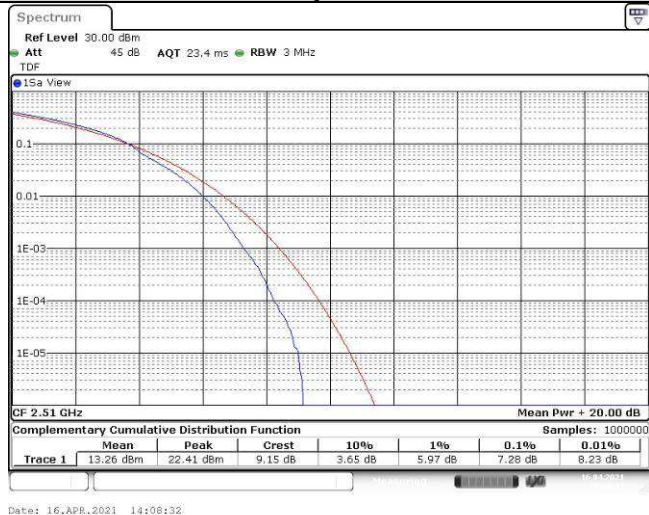
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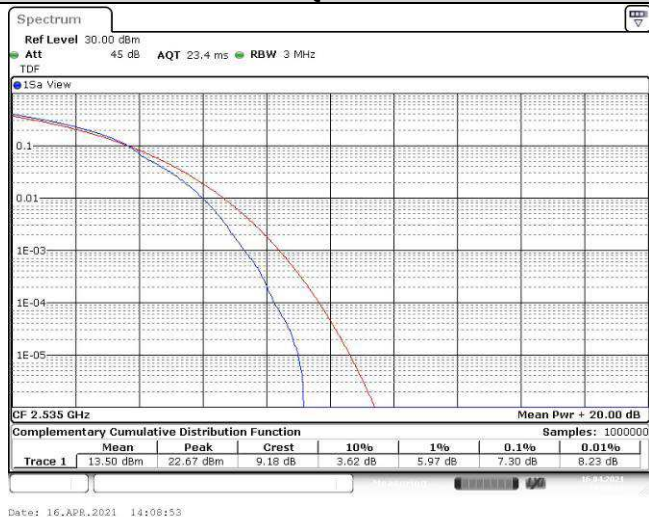
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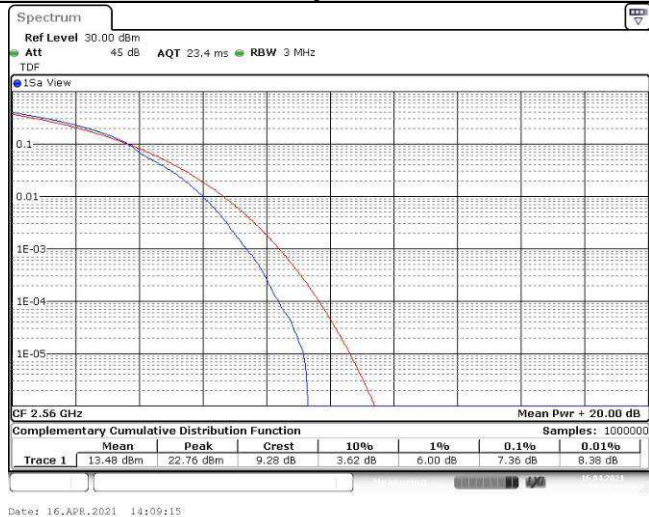
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Band7-20MHz-16QAM-21100-100RB#0



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



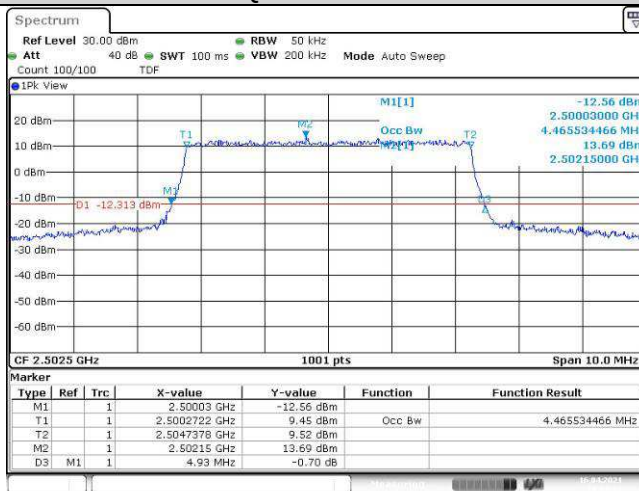
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.466	4.930	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.980	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.960	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.476	4.970	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.476	4.860	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.476	4.900	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.918	9.833	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.918	9.800	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.918	9.800	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.918	9.667	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.918	9.667	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.918	9.700	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.478	14.900	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.428	14.950	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.428	14.850	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.478	14.800	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.478	14.750	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.478	14.800	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.837	19.467	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.837	19.400	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.903	19.467	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.837	19.533	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.903	19.467	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.903	19.533	PASS

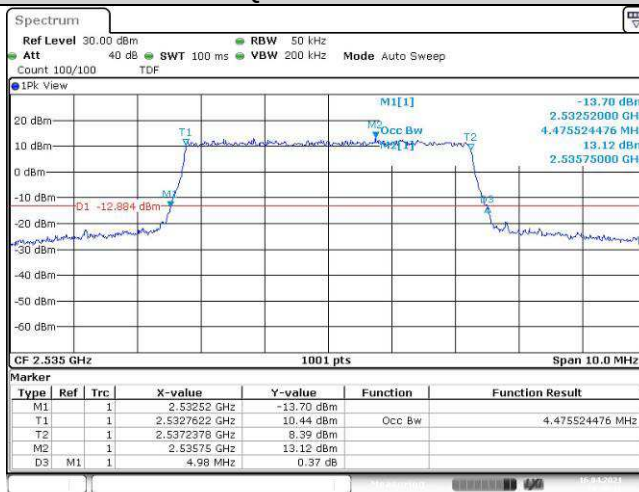
Test Graphs

Band7-5MHz-QPSK-20775-25RB#0-4.466



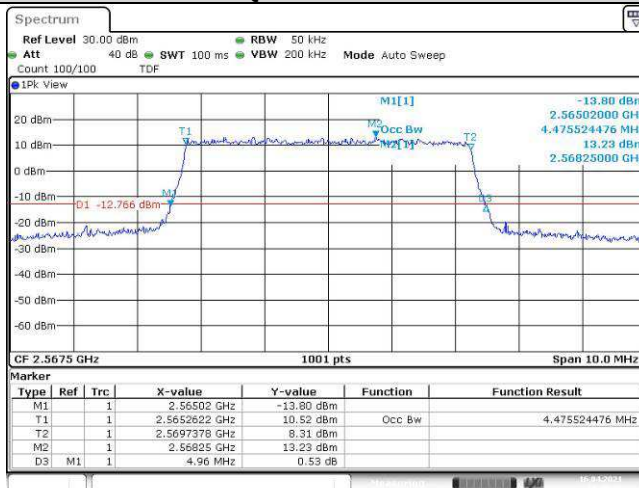
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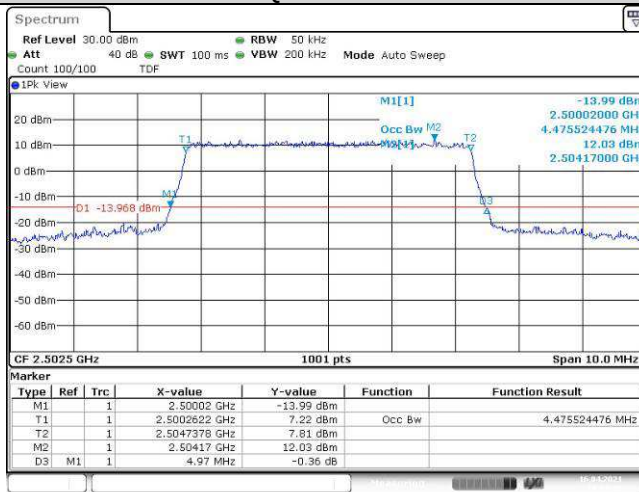
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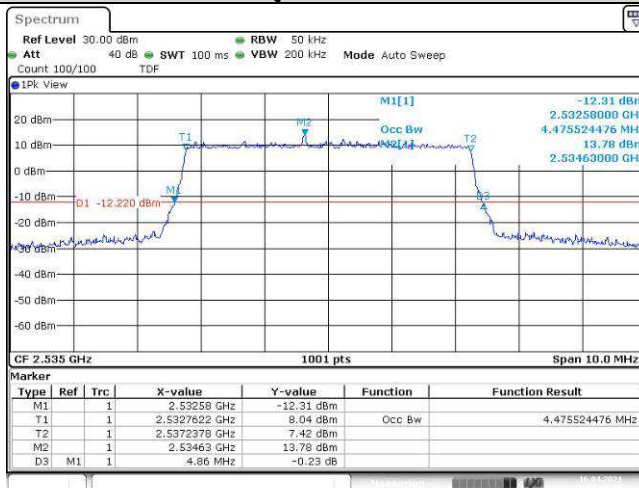
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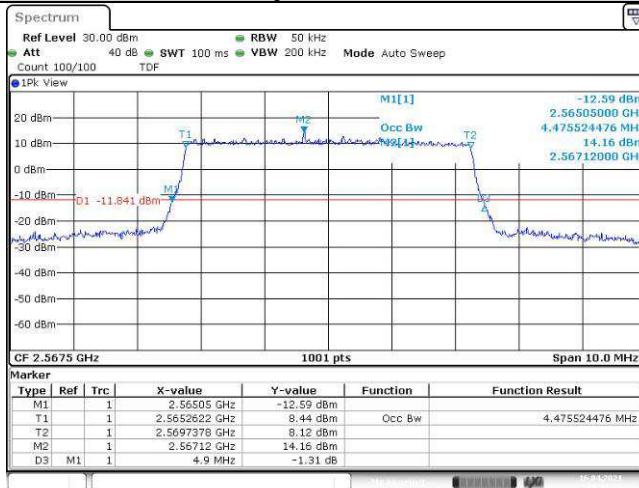
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Band7-5MHz-16QAM-21425-25RB#0-4.476



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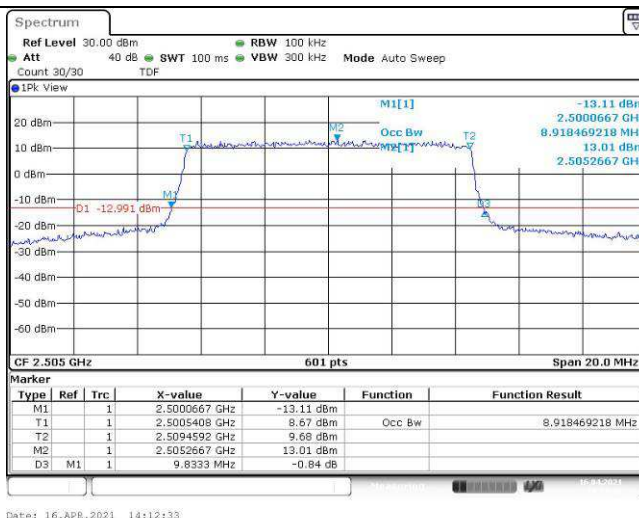
Band7-10MHz-QPSK-20800-50RB#0-8.918

Appendix E CN21VQW2 001

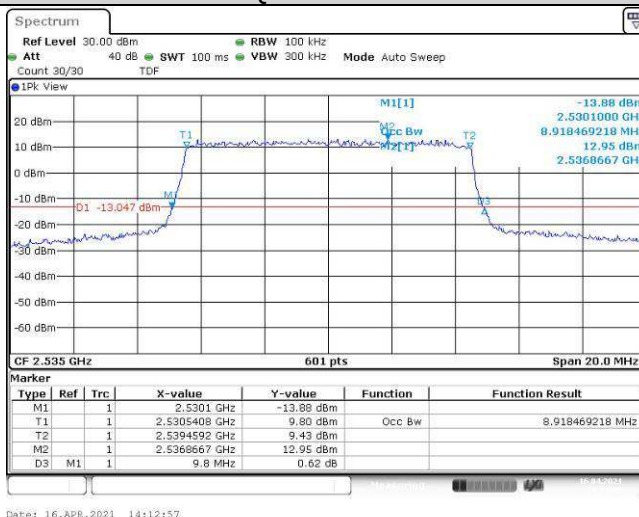


Prüfbericht - Produkte
Test Report - Products

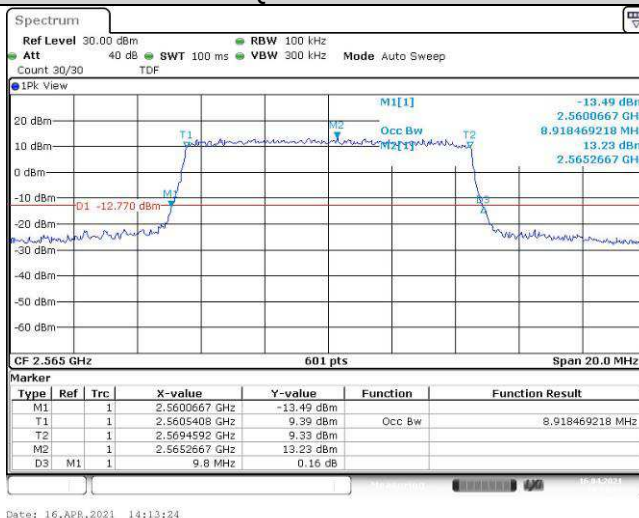
Page 12 of 38



Band7-10MHz-QPSK-21100-50RB#0-8.918



Band7-10MHz-QPSK-21400-50RB#0-8.918



Band7-10MHz-16QAM-20800-50RB#0-8.918

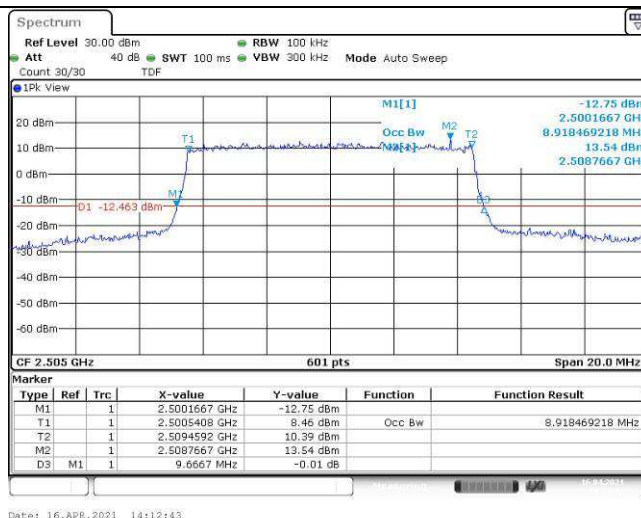
Appendix E

CN21VQW2 001

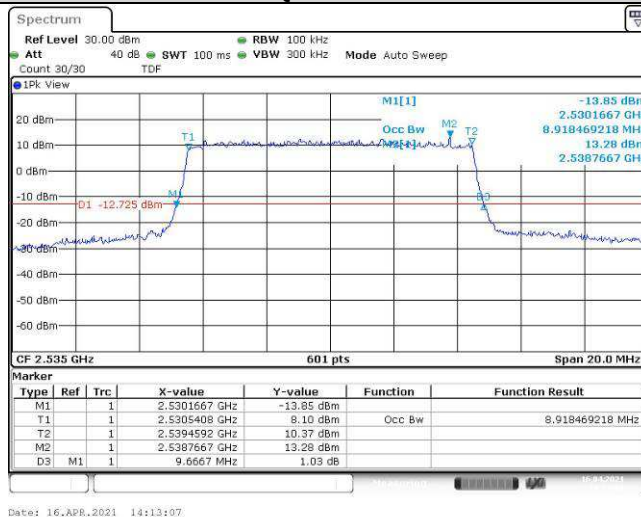


Prüfbericht - Produkte
Test Report - Products

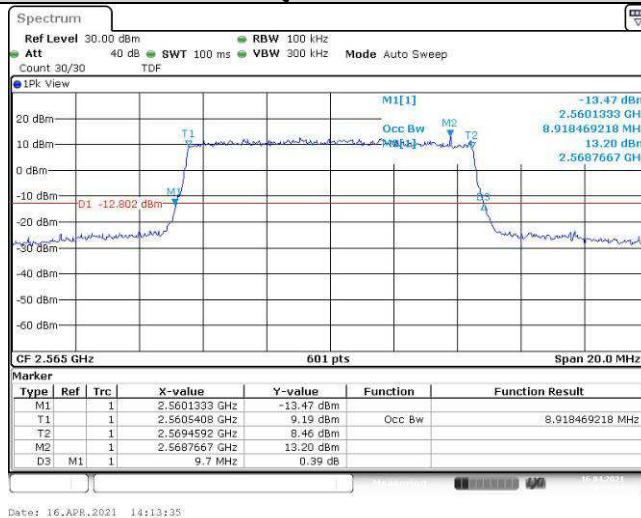
Page 13 of 38



Band7-10MHz-16QAM-21100-50RB#0-8.918



Band7-10MHz-16QAM-21400-50RB#0-8.918

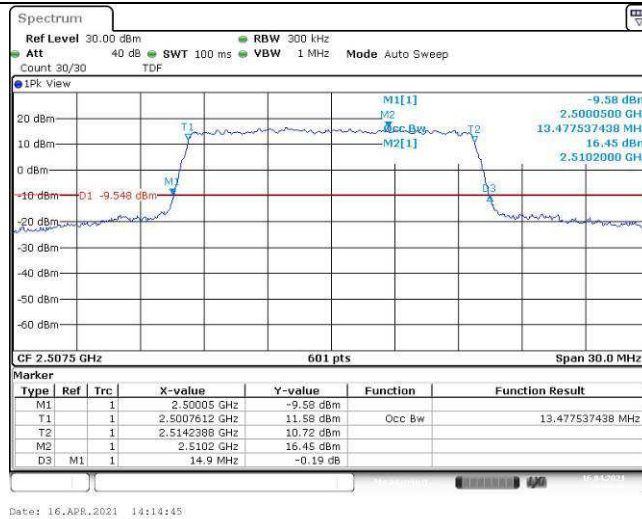


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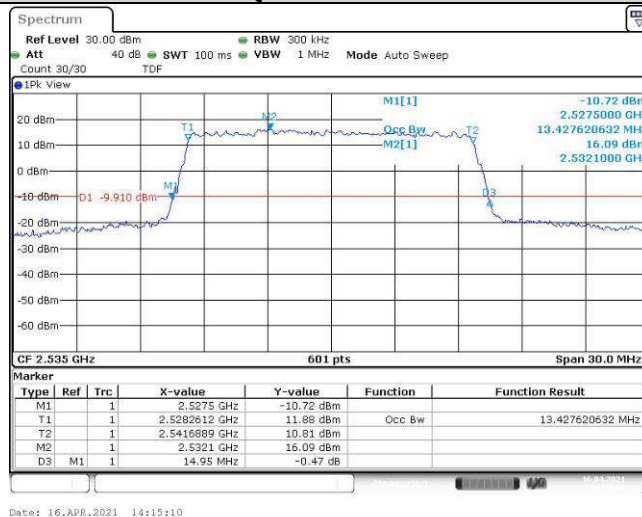
Appendix E
CN21VQW2 001
Page 14 of 38



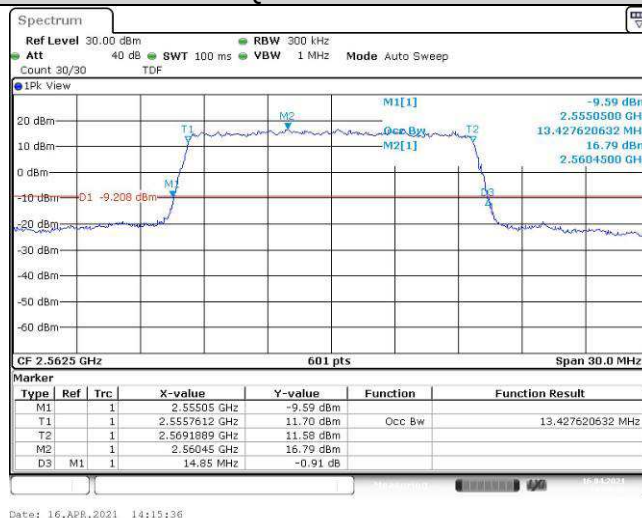
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Test Report - Products



Band7-15MHz-QPSK-21100-75RB#0-13.428



Band7-15MHz-QPSK-21375-75RB#0-13.428

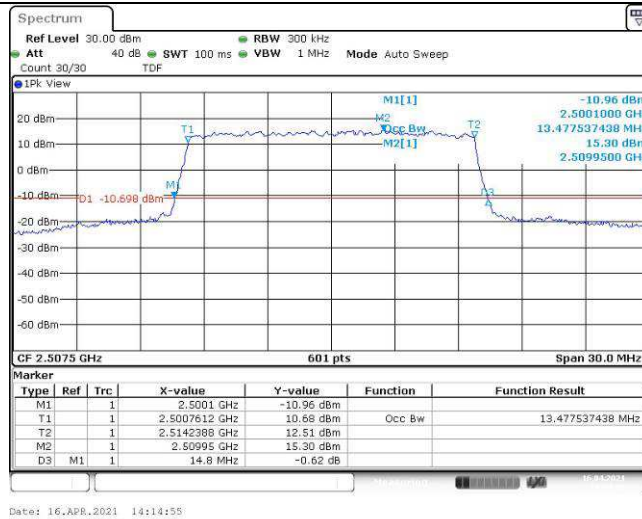


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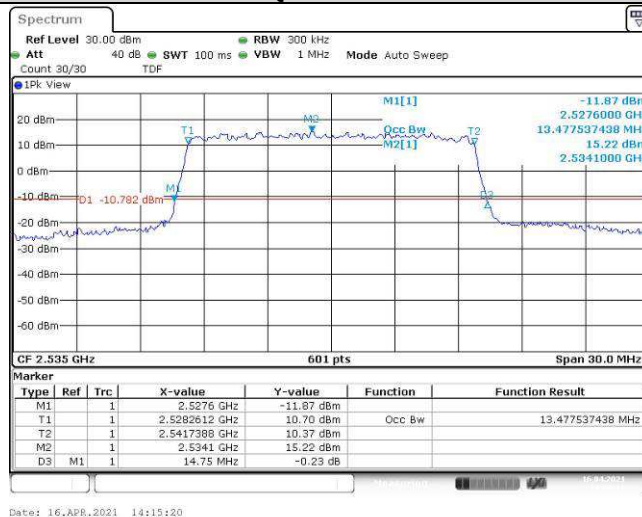
Appendix E
CN21VQW2 001
Page 15 of 38



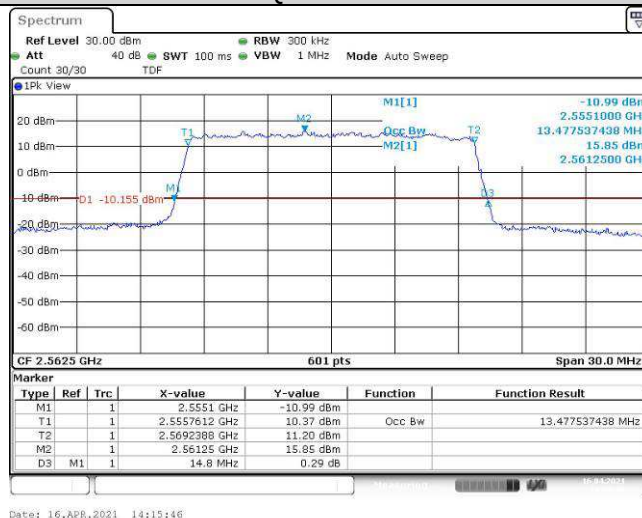
Prüfbericht - Produkte
Test Report - Products



Band7-15MHz-16QAM-21100-75RB#0-13.478



Band7-15MHz-16QAM-21375-75RB#0-13.478

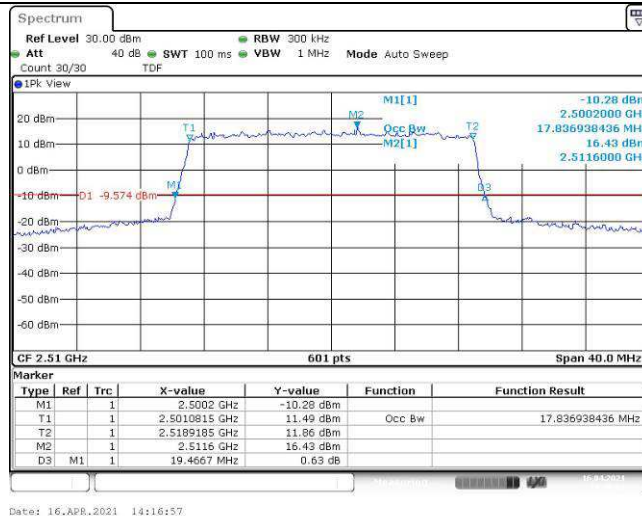


Band7-20MHz-QPSK-20850-100RB#0-17.837

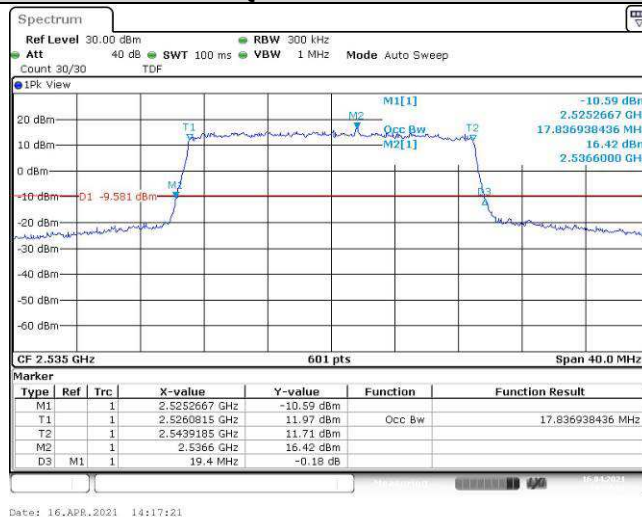
Appendix E
CN21VQW2 001
Page 16 of 38



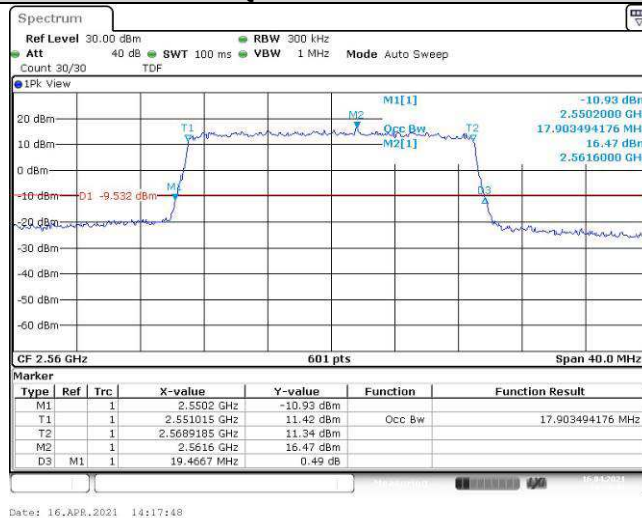
Prüfbericht - Produkte
Test Report - Products



Band7-20MHz-QPSK-21100-100RB#0-17.837



Band7-20MHz-QPSK-21350-100RB#0-17.903



Band7-20MHz-16QAM-20850-100RB#0-17.837

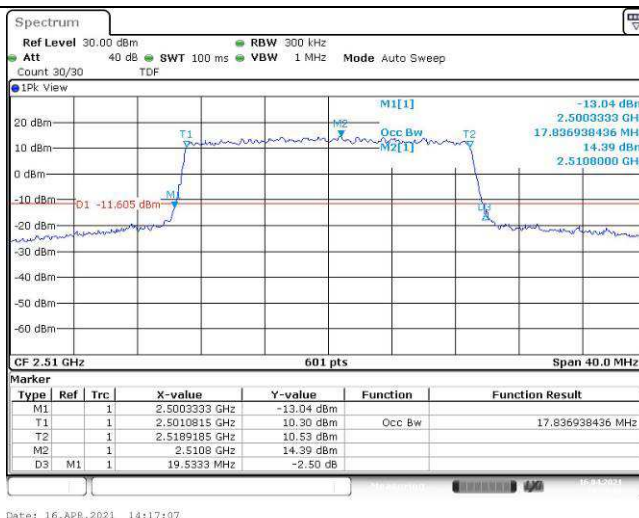
Appendix E

CN21VQW2 001

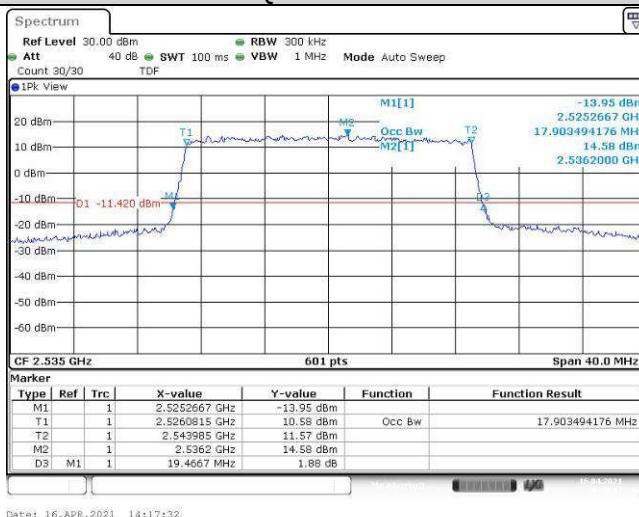


Prüfbericht - Produkte
Test Report - Products

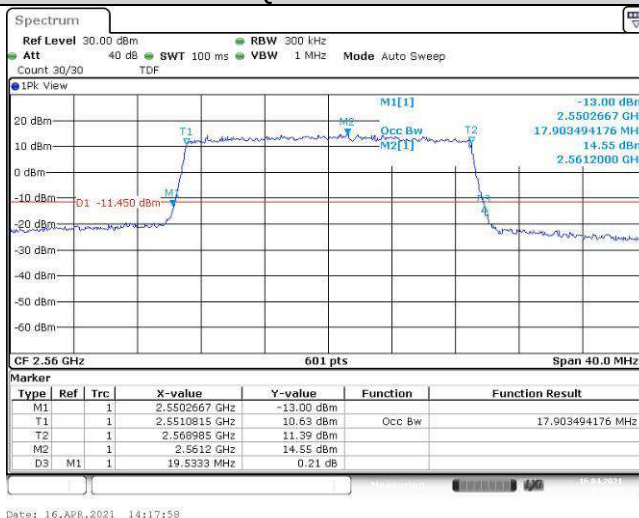
Page 17 of 38



Band7-20MHz-16QAM-21100-100RB#0-17.903



Band7-20MHz-16QAM-21350-100RB#0-17.903



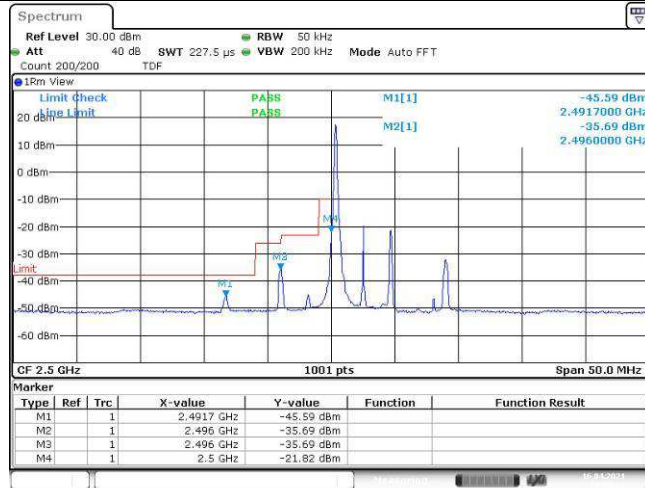
Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-45.59,-35.69,-35.69,-21.82	PASS
Band7	5MHz	QPSK	20775	25RB#0	-47.57,-38.56,-31.95,-26.70	PASS
Band7	5MHz	QPSK	21425	1RB#24	-20.23,-38.94,-50.81,-46.04	PASS
Band7	5MHz	QPSK	21425	25RB#0	-28.58,-33.91,-44.63,-45.25	PASS
Band7	5MHz	16QAM	20775	1RB#0	-47.17,-37.11,-36.99,-22.73	PASS
Band7	5MHz	16QAM	20775	25RB#0	-47.82,-42.69,-34.20,-29.41	PASS
Band7	5MHz	16QAM	21425	1RB#24	-23.12,-40.32,-50.83,-47.19	PASS
Band7	5MHz	16QAM	21425	25RB#0	-29.55,-34.62,-44.62,-46.05	PASS
Band7	10MHz	QPSK	20800	1RB#0	-47.11,-35.42,-40.86,-31.49	PASS
Band7	10MHz	QPSK	20800	50RB#0	-45.90,-35.14,-31.55,-27.70	PASS
Band7	10MHz	QPSK	21400	1RB#49	-30.69,-40.57,-37.09,-48.21	PASS
Band7	10MHz	QPSK	21400	50RB#0	-30.25,-33.75,-36.35,-44.37	PASS
Band7	10MHz	16QAM	20800	1RB#0	-47.29,-37.11,-41.79,-32.16	PASS
Band7	10MHz	16QAM	20800	50RB#0	-45.36,-36.65,-32.77,-30.24	PASS
Band7	10MHz	16QAM	21400	1RB#49	-31.64,-42.53,-39.35,-48.04	PASS
Band7	10MHz	16QAM	21400	50RB#0	-31.34,-34.02,-37.23,-43.81	PASS
Band7	15MHz	QPSK	20825	1RB#0	-33.46,-36.90,-41.11,-22.73	PASS
Band7	15MHz	QPSK	20825	75RB#0	-35.39,-30.13,-27.49,-24.67	PASS
Band7	15MHz	QPSK	21375	1RB#74	-23.08,-41.20,-35.09,-43.44	PASS
Band7	15MHz	QPSK	21375	75RB#0	-27.14,-29.49,-31.54,-41.57	PASS
Band7	15MHz	16QAM	20825	1RB#0	-34.74,-38.63,-41.85,-27.25	PASS
Band7	15MHz	16QAM	20825	75RB#0	-37.54,-31.89,-29.68,-27.70	PASS
Band7	15MHz	16QAM	21375	1RB#74	-23.16,-40.74,-36.40,-43.67	PASS
Band7	15MHz	16QAM	21375	75RB#0	-29.73,-30.31,-33.31,-41.46	PASS
Band7	20MHz	QPSK	20850	1RB#0	-34.80,-38.01,-41.38,-28.18	PASS
Band7	20MHz	QPSK	20850	100RB#0	-34.17,-31.93,-29.41,-27.63	PASS
Band7	20MHz	QPSK	21350	1RB#99	-28.73,-41.83,-38.11,-43.47	PASS
Band7	20MHz	QPSK	21350	100RB#0	-29.92,-32.80,-34.81,-43.45	PASS
Band7	20MHz	16QAM	20850	1RB#0	-37.53,-39.23,-41.82,-29.18	PASS
Band7	20MHz	16QAM	20850	100RB#0	-35.31,-32.84,-30.71,-28.56	PASS
Band7	20MHz	16QAM	21350	1RB#99	-29.84,-42.18,-38.26,-43.39	PASS
Band7	20MHz	16QAM	21350	100RB#0	-30.60,-32.34,-34.93,-43.20	PASS

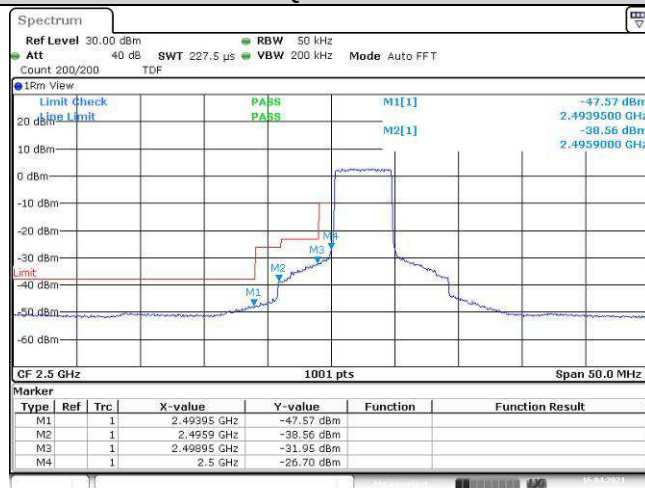
Test Graphs

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



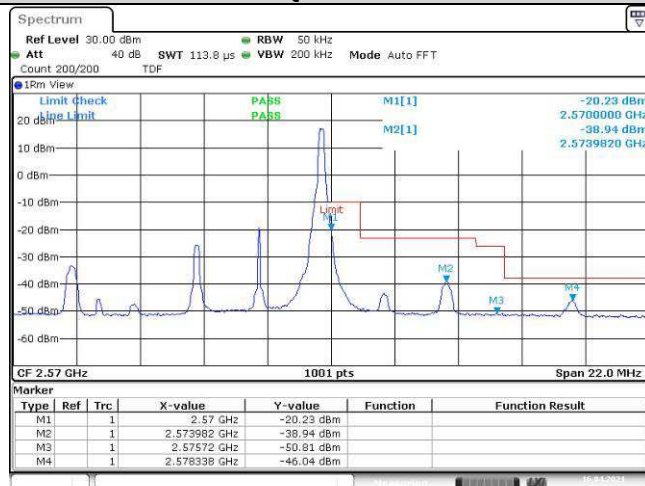
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Date: 16.APR.2021 14:23:52

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



Date: 16.APR.2021 14:24:30

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

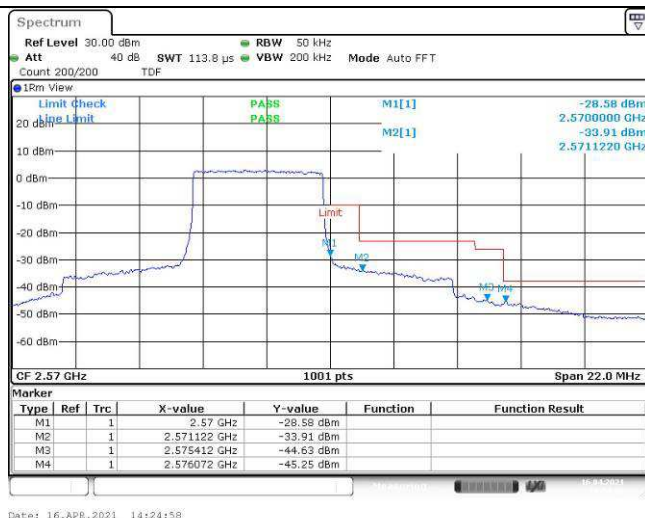
Appendix E

CN21VQW2 001

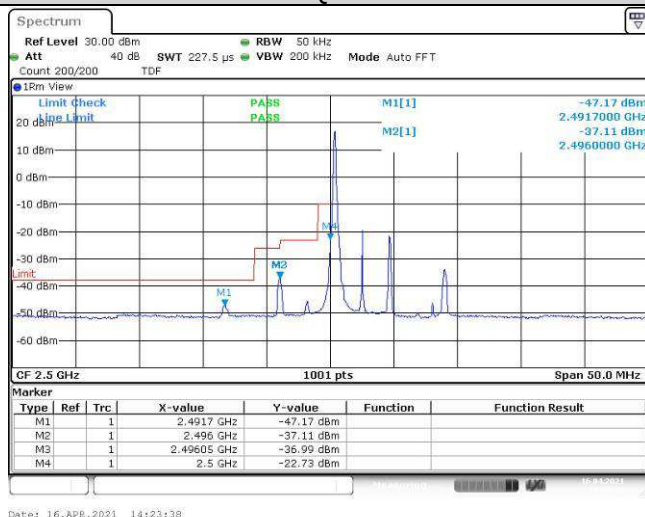


Prüfbericht - Produkte
Test Report - Products

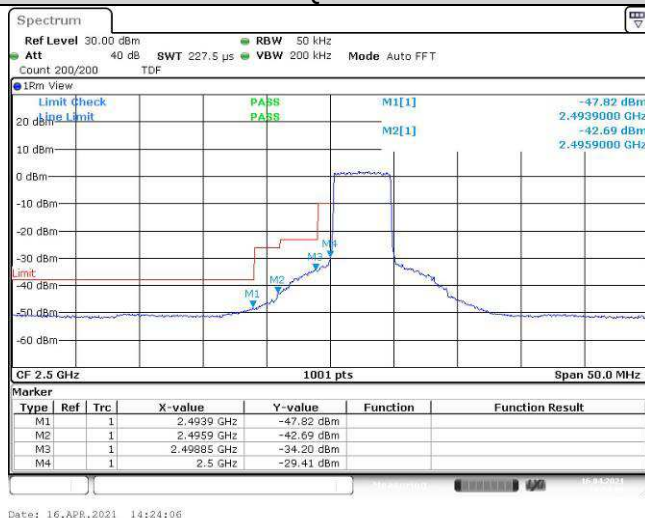
Page 20 of 38



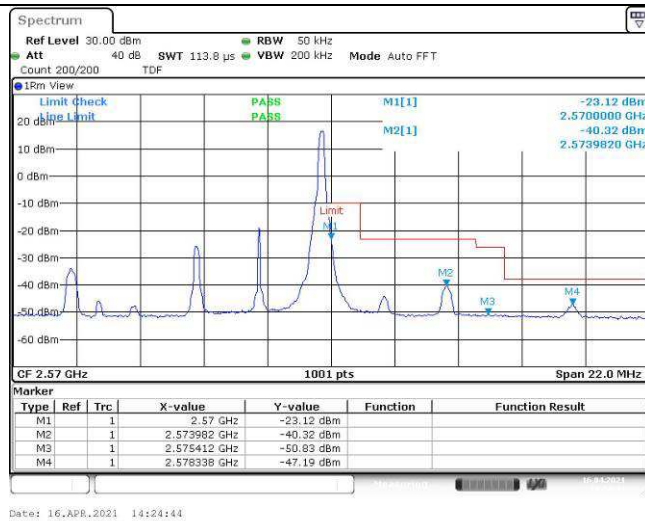
Band7-5MHz-16QAM-20775-1RB#0



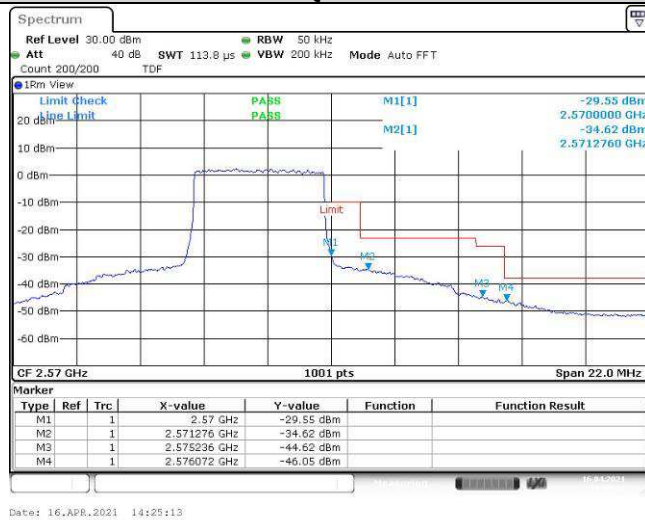
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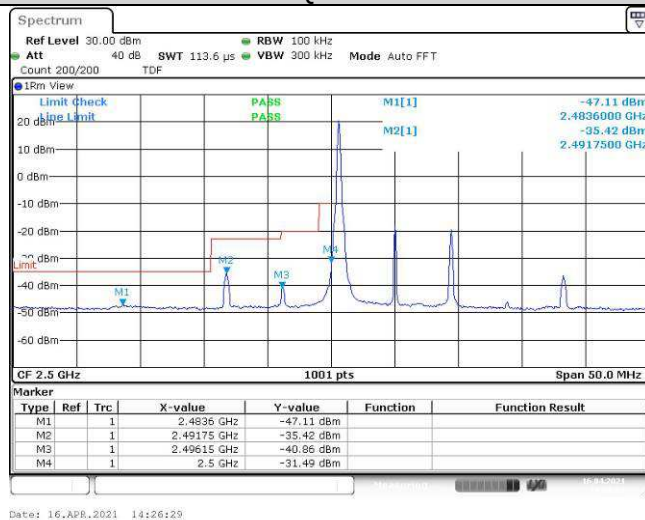
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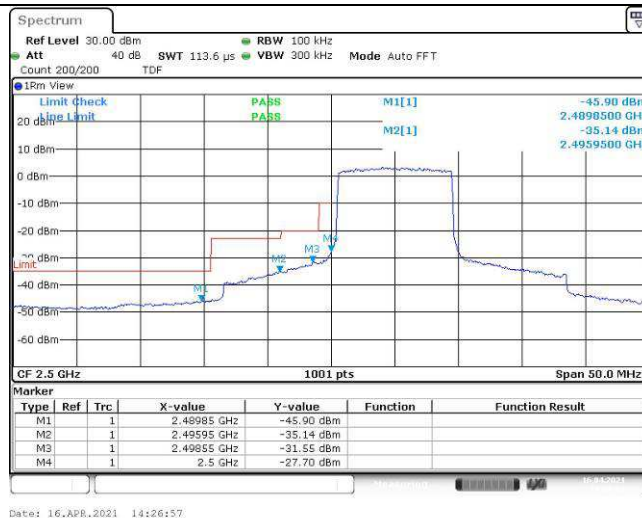
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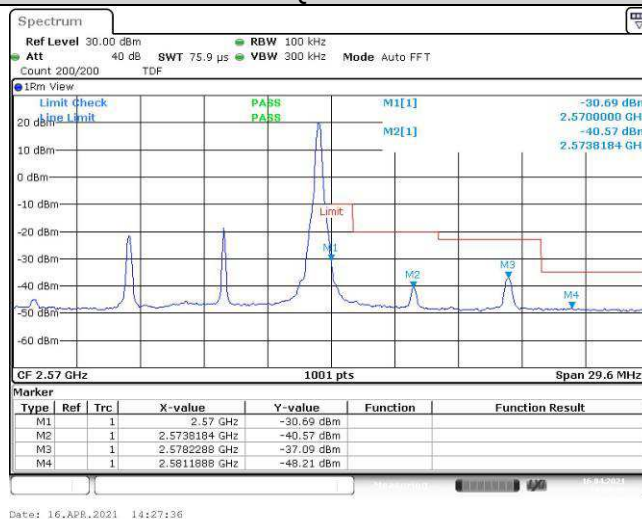
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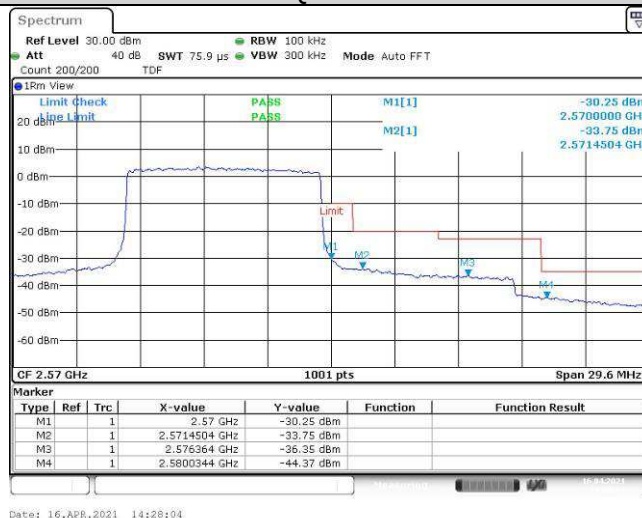
Band7-10MHz-QPSK-20800-50RB#0



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



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



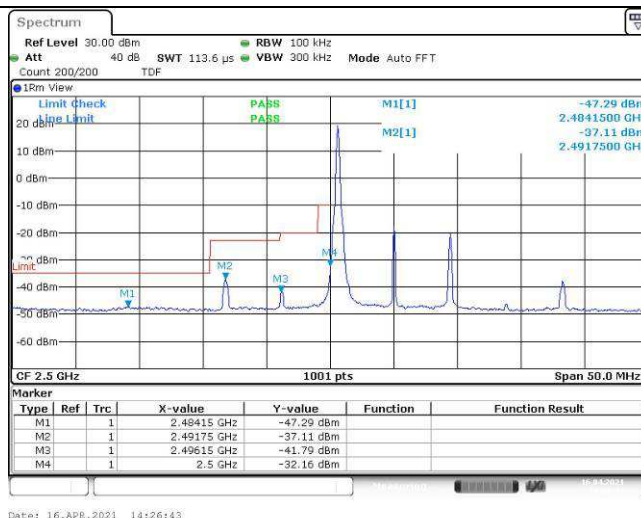
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Appendix E CN21VQW2 001

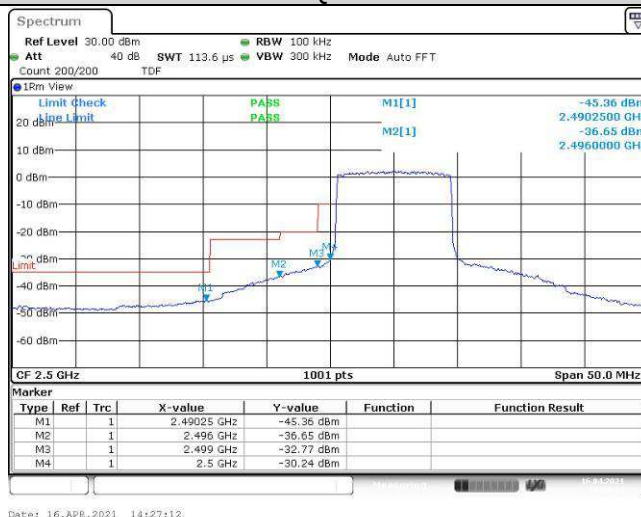


Prüfbericht - Produkte
Test Report - Products

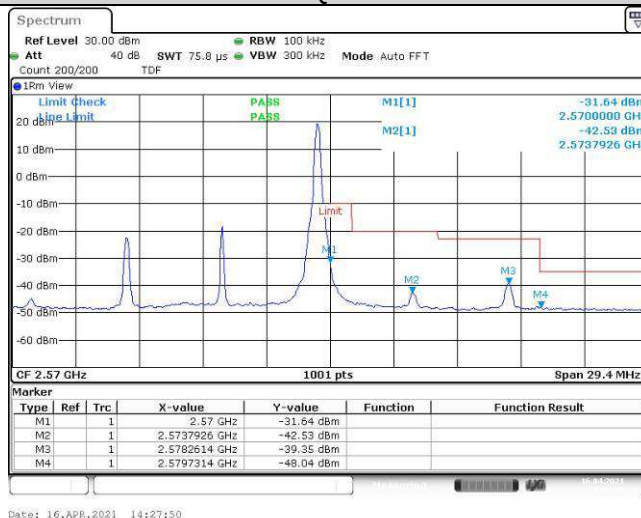
Page 23 of 38



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



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



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

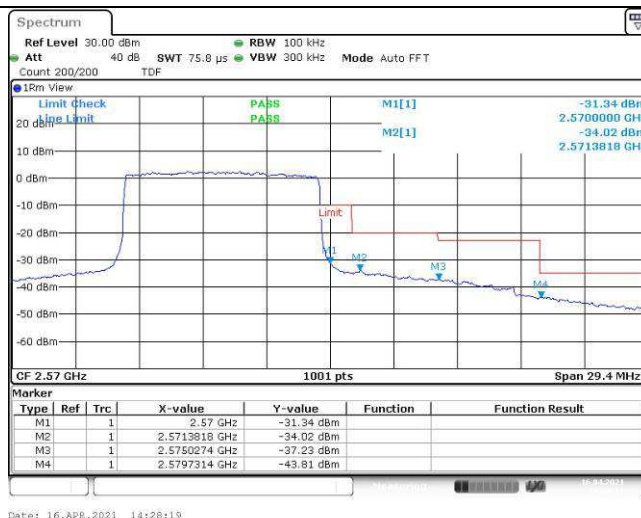
Appendix E

CN21VQW2 001

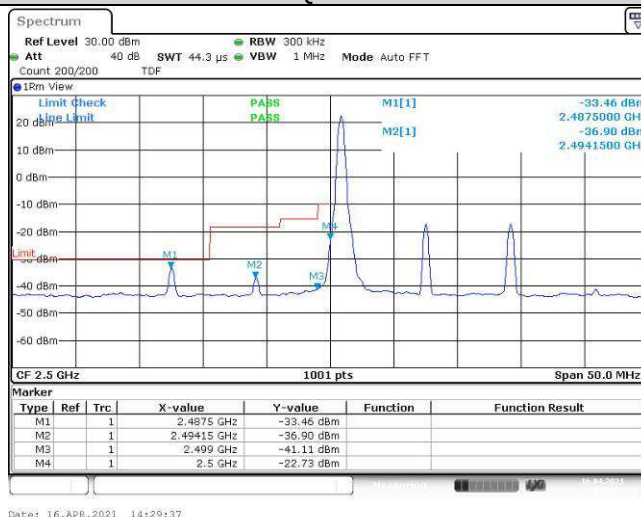


Prüfbericht - Produkte
Test Report - Products

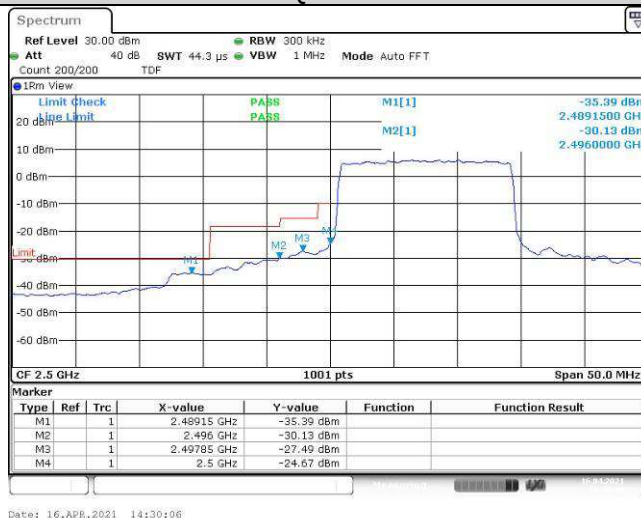
Page 24 of 38



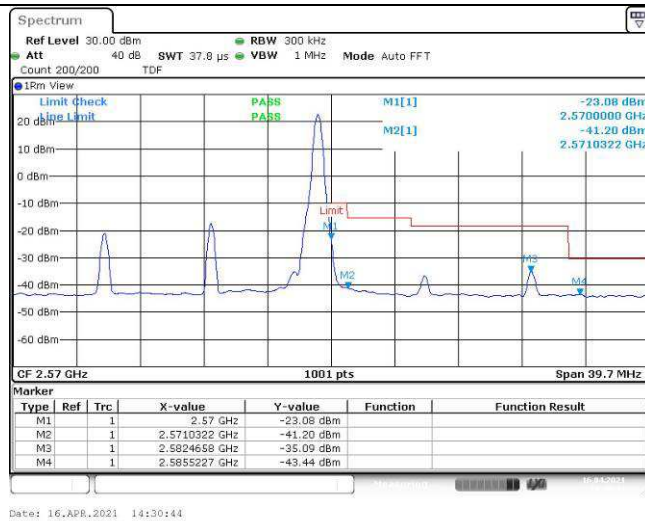
Band7-15MHz-QPSK-20825-1RB#0



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



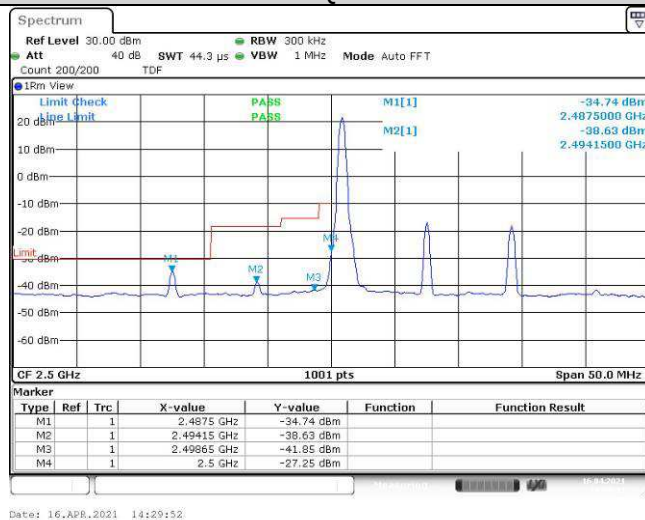
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Band7-15MHz-QPSK-21375-75RB#0



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

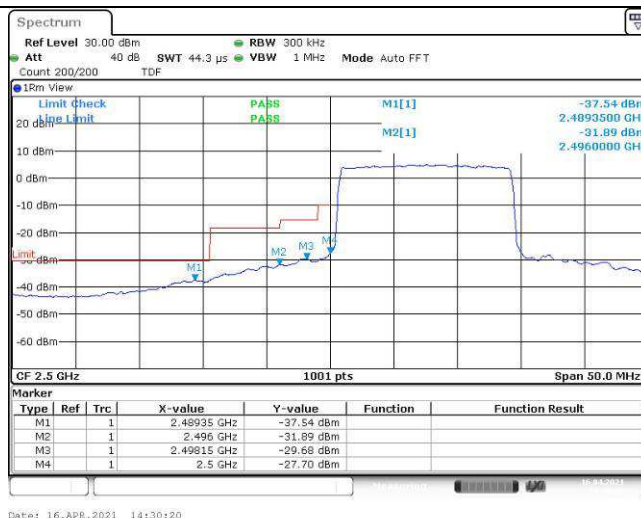


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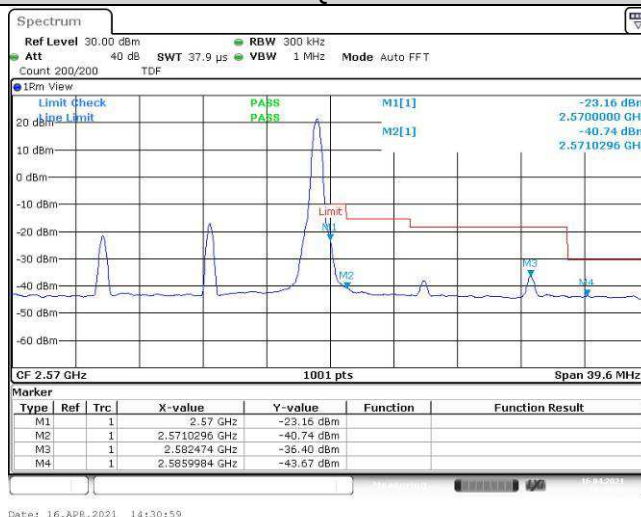
Appendix E CN21VQW2 001

Prüfbericht - Produkte
Test Report - Products

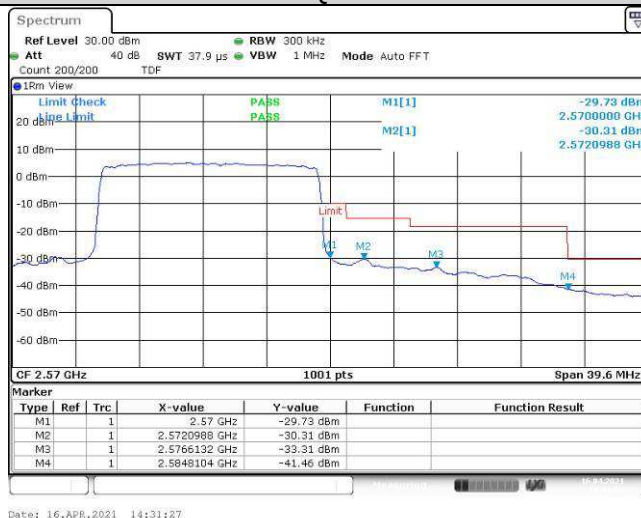
Page 26 of 38



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



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



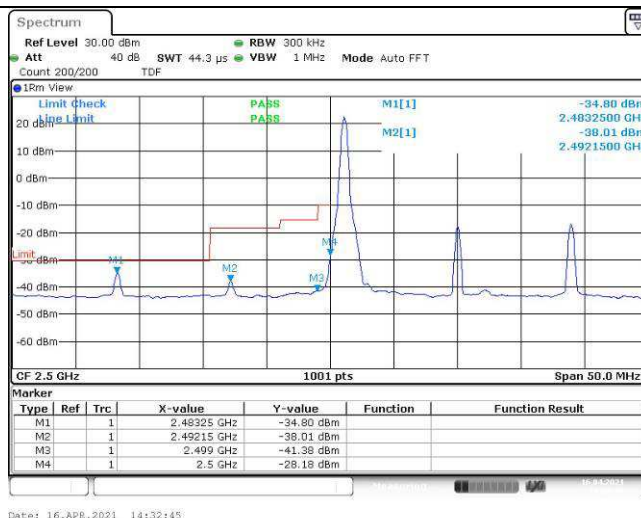
Band7-20MHz-QPSK-20850-1RB#0

Appendix E CN21VQW2 001

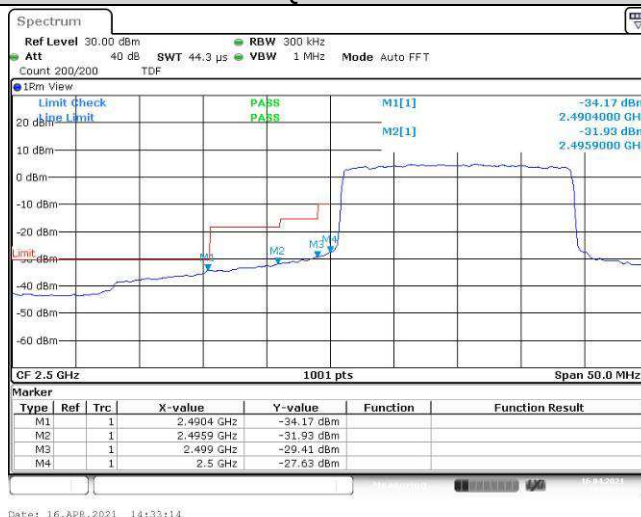


Prüfbericht - Produkte
Test Report - Products

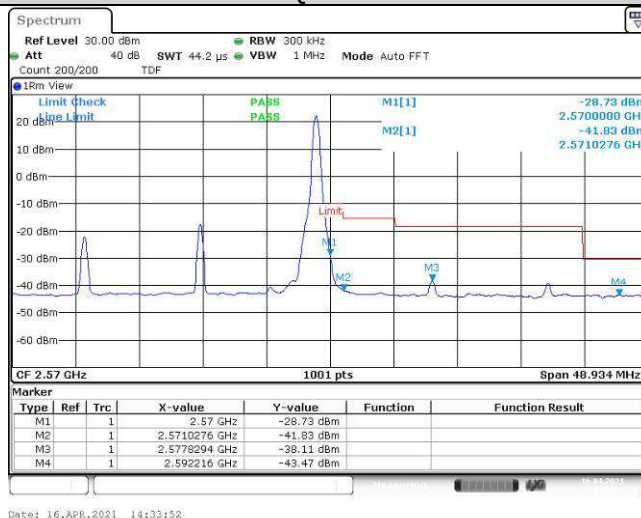
Page 27 of 38



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



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



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

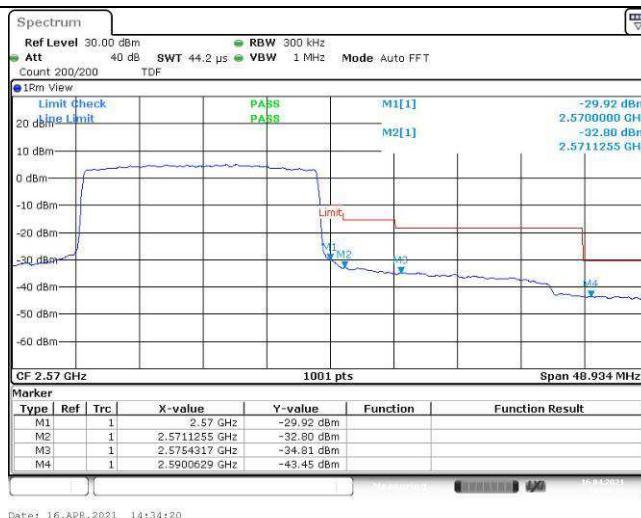
Appendix E

CN21VQW2 001

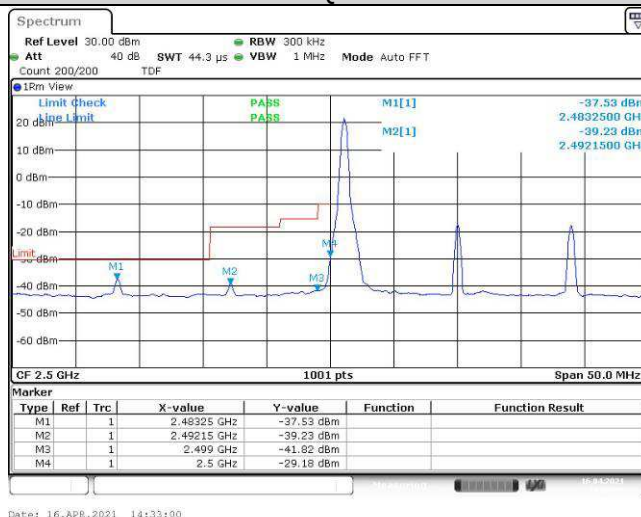


Prüfbericht - Produkte
Test Report - Products

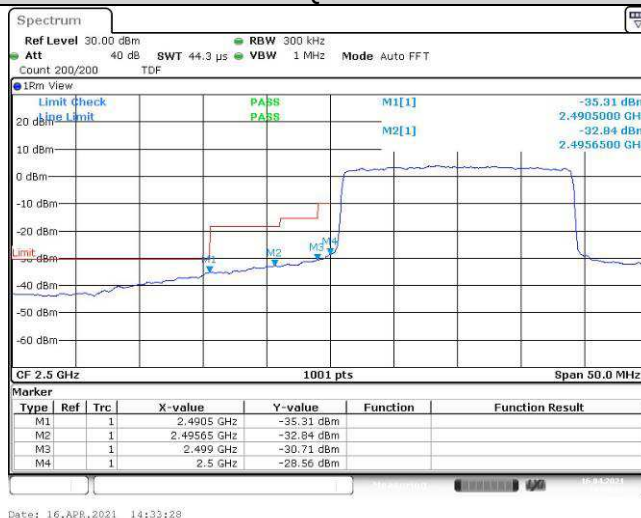
Page 28 of 38



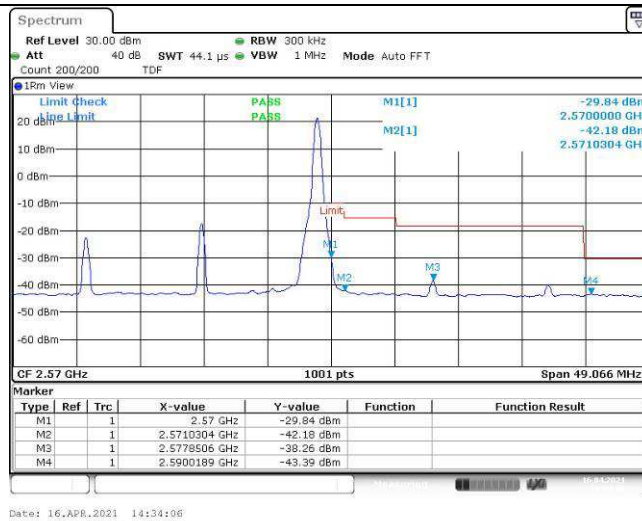
Band7-20MHz-16QAM-20850-1RB#0



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



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



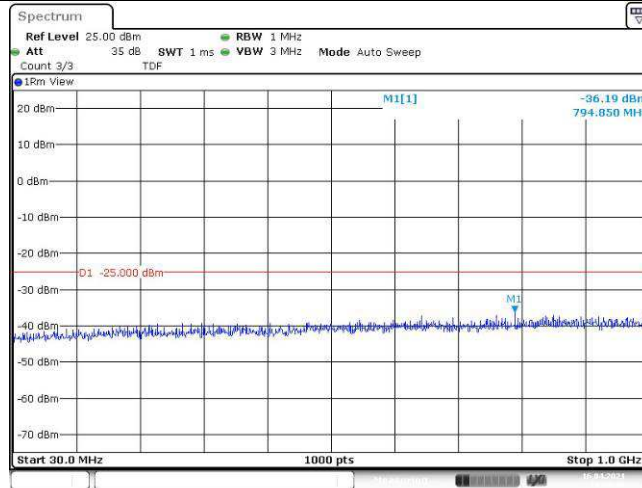
Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	20MHz	QPSK	20850	1RB#0	Range1:30~1000MHz	-36.19	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range2:1000~3000MHz	-35.29	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range3:3000~26500MHz	-38.78	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-36.5	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range2:1000~3000MHz	-35.57	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range3:3000~26500MHz	-38.07	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:30~1000MHz	-36.48	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range2:1000~3000MHz	-35.76	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range3:3000~26500MHz	-37.89	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:30~1000MHz	-36.79	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range2:1000~3000MHz	-35.22	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range3:3000~26500MHz	-38.79	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-36.01	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range2:1000~3000MHz	-35.25	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range3:3000~26500MHz	-37.98	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:30~1000MHz	-36.93	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range2:1000~3000MHz	-35.34	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range3:3000~26500MHz	-38.55	PASS

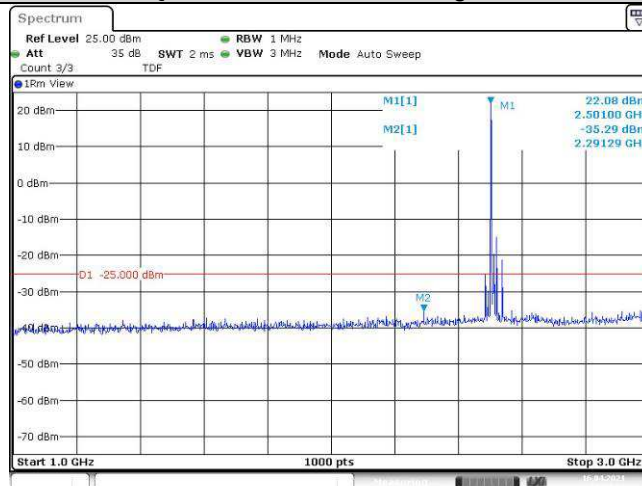
Test Graphs

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



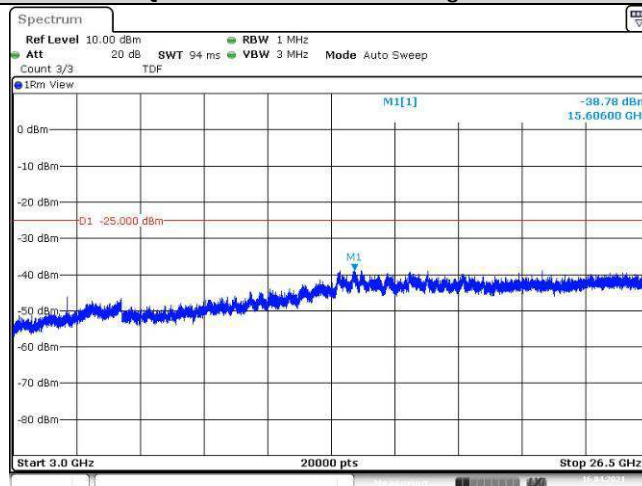
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Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~3000MHz



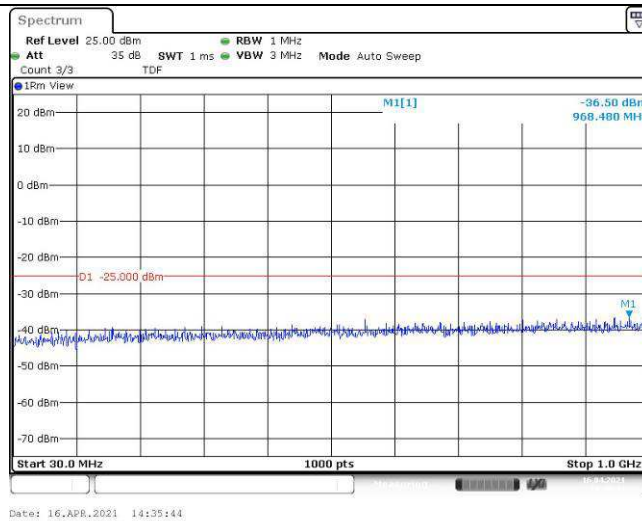
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Band7-20MHz-QPSK-20850-1RB#0-Range3:3000~26500MHz

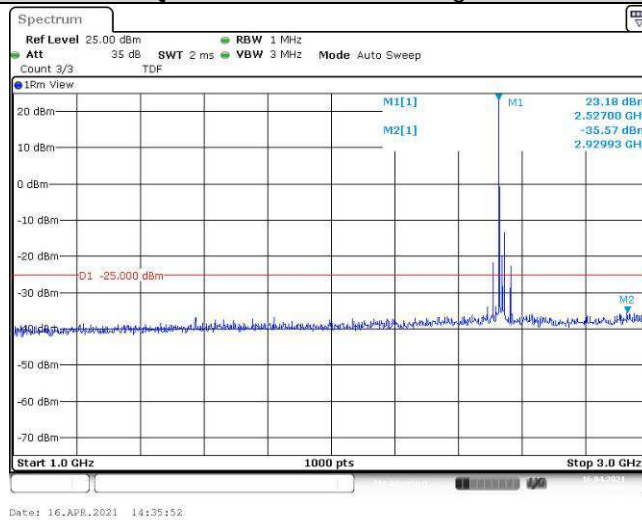


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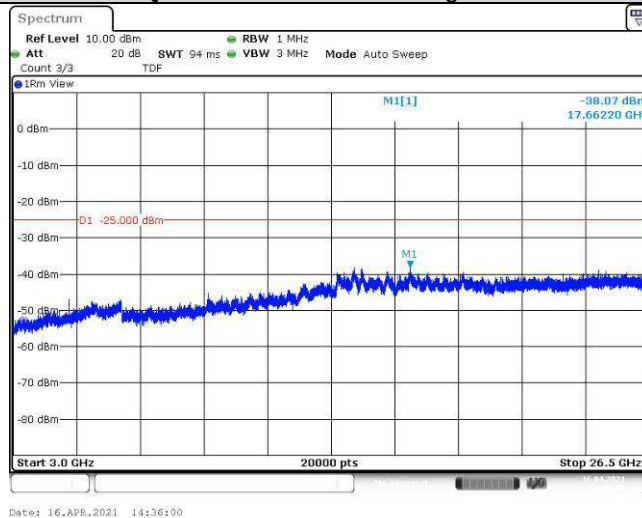
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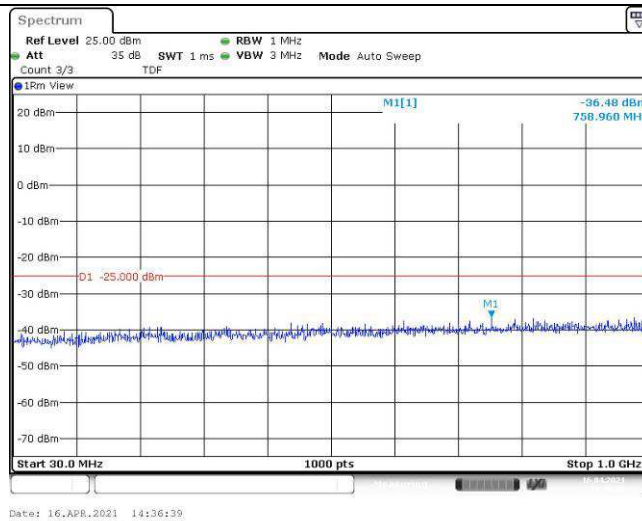
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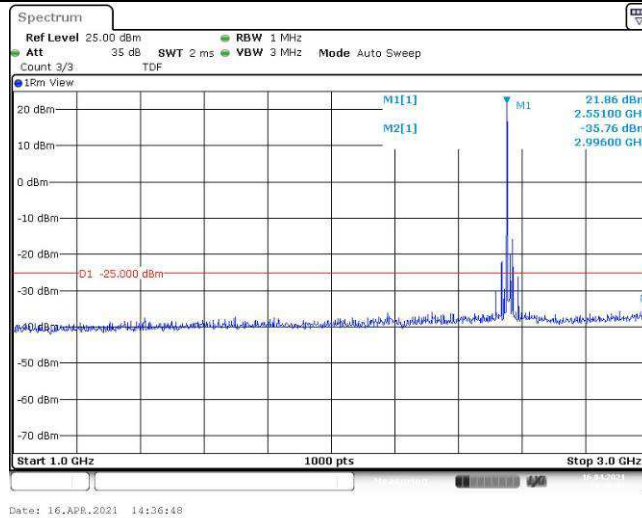
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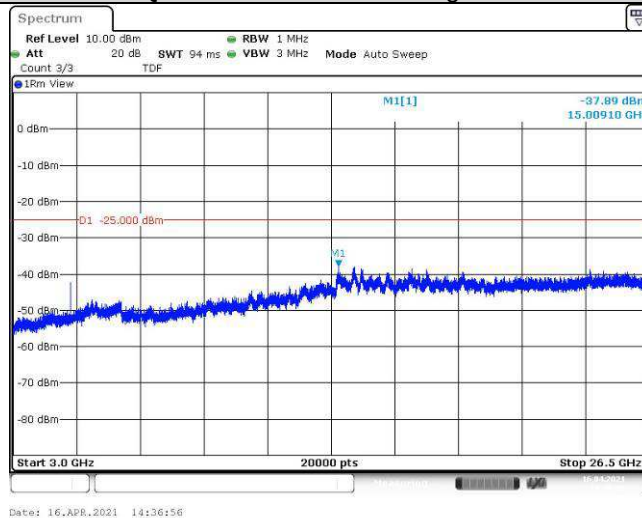
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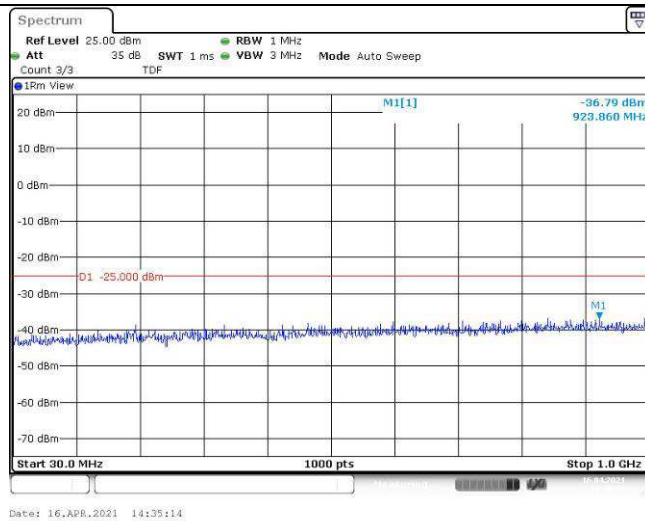
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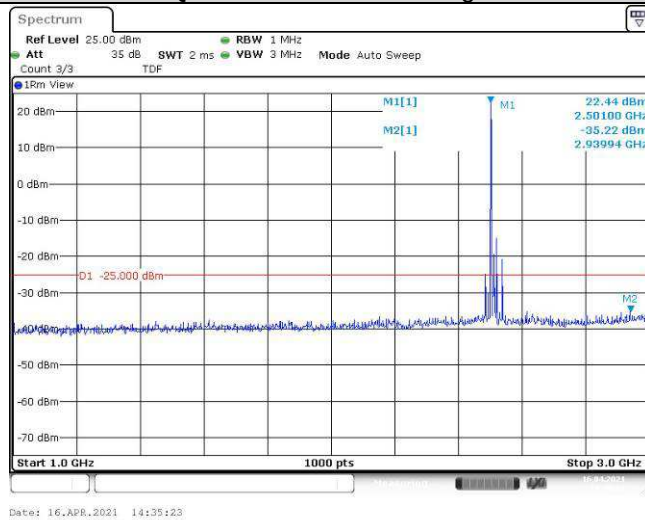
Band7-20MHz-QPSK-21350-1RB#0-Range3:3000~26500MHz



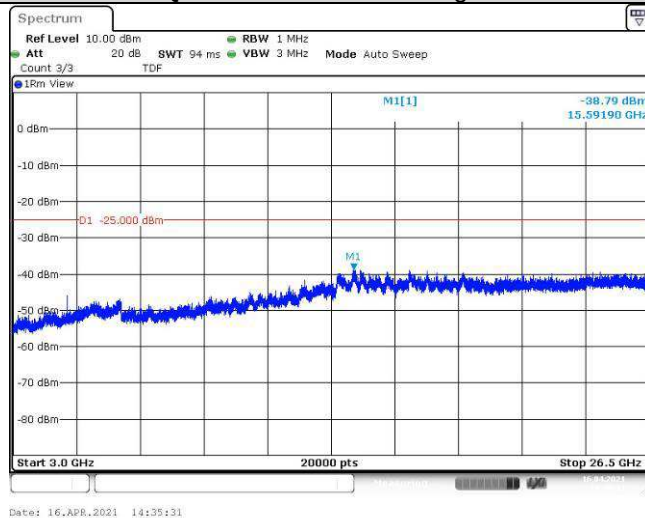
Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz



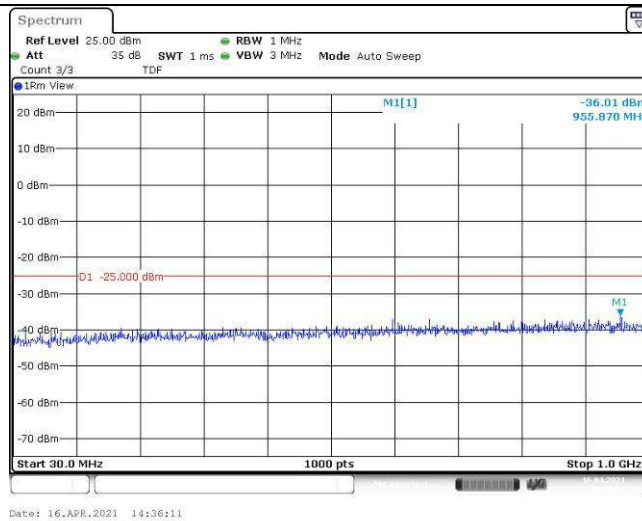
Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~3000MHz



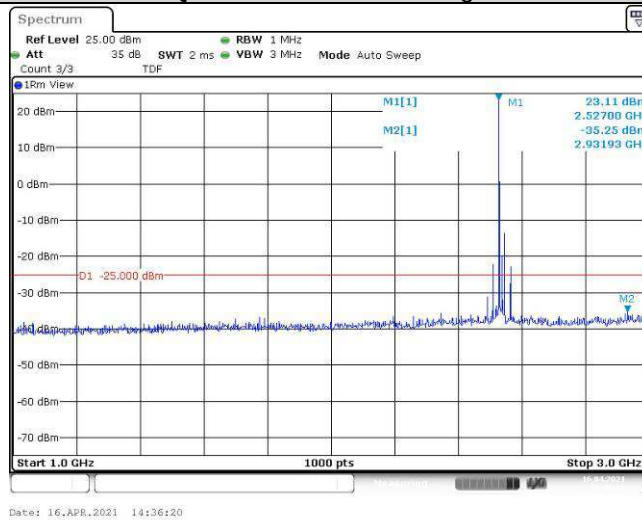
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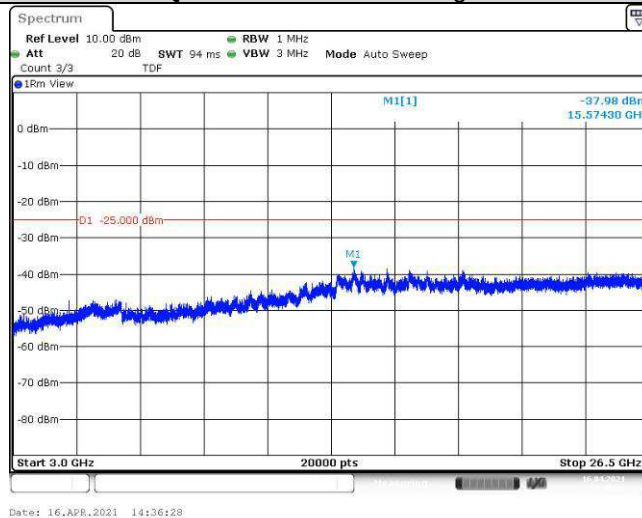
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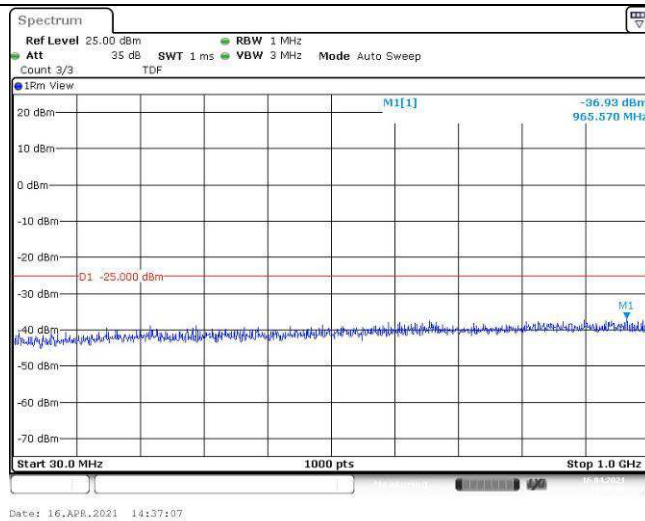
Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~3000MHz



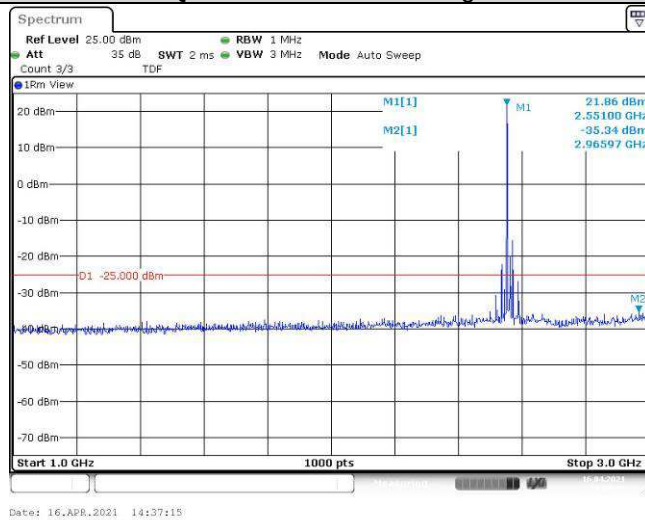
Band7-20MHz-16QAM-21100-1RB#0-Range3:3000~26500MHz



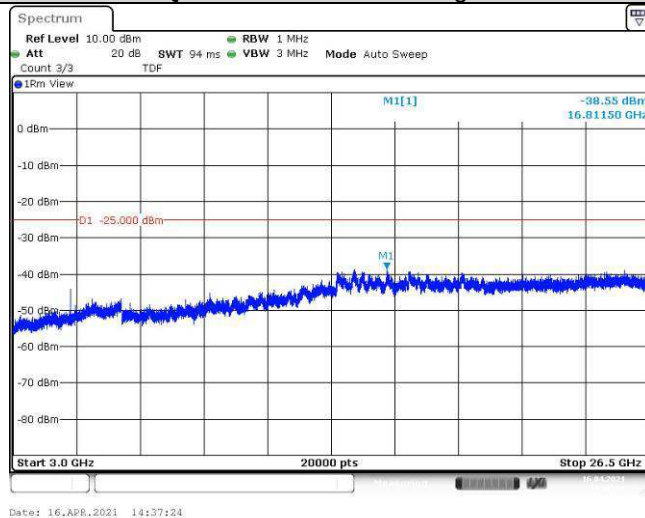
Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz



Band7-20MHz-16QAM-21350-1RB#0-Range2:1000~3000MHz



Band7-20MHz-16QAM-21350-1RB#0-Range3:3000~26500MHz



Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	6.37	0.002538	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	4.99	0.001988	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	5.32	0.002120	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	3.49	0.001377	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-8.80	-0.003471	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-4.84	-0.001909	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	5.94	0.002320	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	4.16	0.001625	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	6.19	0.002418	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	6.27	0.002498	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	6.15	0.002450	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	6.78	0.002701	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-8.60	-0.003393	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-7.22	-0.002848	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-4.84	-0.001909	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	3.69	0.001441	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-5.82	-0.002273	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	5.66	0.002211	±2.5	PASS

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	-10	8.55	0.003406	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	5.34	0.002127	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	7.08	0.002821	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	6.17	0.002458	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	5.44	0.002167	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	-5.79	-0.002307	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	10.17	0.004052	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	60	4.72	0.001880	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	65	6.54	0.002606	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-7.67	-0.003026	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-4.02	-0.001586	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-3.78	-0.001491	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-5.04	-0.001988	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-6.75	-0.002663	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-7.72	-0.003045	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-7.87	-0.003105	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	60	-4.39	-0.001732	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	65	-4.52	-0.001783	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	5.14	0.002008	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	6.54	0.002555	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-4.22	-0.001648	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	3.35	0.001309	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	4.11	0.001605	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	5.21	0.002035	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-4.29	-0.001676	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	60	5.26	0.002055	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	65	5.98	0.002336	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-10	4.29	0.001709	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	8.18	0.003259	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	9.44	0.003761	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	5.58	0.002223	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	6.15	0.002450	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	6.65	0.002649	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	4.11	0.001637	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	60	6.97	0.002777	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	65	5.32	0.002120	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-10	-6.37	-0.002513	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-4.45	-0.001755	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-4.88	-0.001925	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-4.19	-0.001653	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-7.47	-0.002947	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	-10.49	-0.004138	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-6.79	-0.002679	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	60	-5.99	-0.002363	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	65	-5.65	-0.002229	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-10	7.14	0.002789	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	6.69	0.002613	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	7.47	0.002918	±2.5	PASS

Appendix E
CN21VQW2 001
Page 38 of 38



Prüfbericht - Produkte
Test Report - Products

Band7	20MHz	16QAM	21350	100RB#0	NV	20	7.24	0.002828	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	7.27	0.002840	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	-3.50	-0.001367	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	4.96	0.001938	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	60	-5.39	-0.002105	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	65	5.16	0.002016	±2.5	PASS