Appendix for LTE Band 7

CONTENTS

Appendix A: Effective (Isotropic) Radiated Power Output Data 3
Test Result 3
Appendix B: Peak-to-Average Ratio(CCDF) 8
Test Result 8
Test Graphs 10
Appendix C: 26dB Bandwidth and Occupied Bandwidth 27
Test Result 27
Test Graphs 28
Appendix D: Band Edge 37
Test Result 37
Test Graphs 39
Appendix E: Conducted Spurious Emission 56
Test Result 56
Test Graphs 60
Appendix F: Frequency Stability 85
Test Result 85

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	21.88	PASS
Band7	5MHz	QPSK	20775	1RB#12	21.91	PASS
Band7	5MHz	QPSK	20775	1RB#24	21.85	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.82	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.83	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.82	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.81	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.15	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.70	PASS
Band7	5MHz	QPSK	21100	1RB#24	21.31	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.34	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.34	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.09	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.65	PASS
Band7	5MHz	QPSK	21425	1RB#0	21.35	PASS
Band7	5MHz	QPSK	21425	1RB#12	21.87	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.40	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.46	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.46	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.98	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.64	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.15	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.21	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.10	PASS
Band7	5MHz	16QAM	20775	12RB#0	22.08	PASS
Band7	5MHz	16QAM	20775	12RB#6	22.05	PASS
Band7	5MHz	16QAM	20775	12RB#13	22.40	PASS
Band7	5MHz	16QAM	20775	25RB#0	22.06	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.82	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.50	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.02	PASS

Band7	5MHz	16QAM	21100	12RB#0	21.42	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.42	PASS
Band7	5MHz	16QAM	21100	12RB#13	22.04	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.63	PASS
Band7	5MHz	16QAM	21425	1RB#0	20.98	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.50	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.01	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.47	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.50	PASS
Band7	5MHz	16QAM	21425	12RB#13	21.10	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.88	PASS
Band7	10MHz	QPSK	20800	1RB#0	21.94	PASS
Band7	10MHz	QPSK	20800	1RB#24	21.82	PASS
Band7	10MHz	QPSK	20800	1RB#49	21.12	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.97	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.84	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.46	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.69	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.49	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.67	PASS
Band7	10MHz	QPSK	21100	1RB#49	21.70	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.21	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.08	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.31	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.77	PASS
Band7	10MHz	QPSK	21400	1RB#0	21.93	PASS
Band7	10MHz	QPSK	21400	1RB#24	21.15	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.10	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.01	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.81	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.41	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.32	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.19	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.50	PASS
Band7	10MHz	16QAM	20800	25RB#0	22.99	PASS

Band7	10MHz	16QAM	20800	25RB#12	22.06	PASS
Band7	10MHz	16QAM	20800	25RB#25	22.63	PASS
Band7	10MHz	16QAM	20800	50RB#0	22.72	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.69	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.87	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.97	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.26	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.27	PASS
Band7	10MHz	16QAM	21100	25RB#25	22.51	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.97	PASS
Band7	10MHz	16QAM	21400	1RB#0	20.80	PASS
Band7	10MHz	16QAM	21400	1RB#24	20.91	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.94	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.13	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.12	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.84	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.62	PASS
Band7	15MHz	QPSK	20825	1RB#0	21.09	PASS
Band7	15MHz	QPSK	20825	1RB#38	21.52	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.88	PASS
Band7	15MHz	QPSK	20825	38RB#0	21.21	PASS
Band7	15MHz	QPSK	20825	38RB#18	22.66	PASS
Band7	15MHz	QPSK	20825	38RB#37	22.06	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.24	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.06	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.69	PASS
Band7	15MHz	QPSK	21100	1RB#74	21.06	PASS
Band7	15MHz	QPSK	21100	38RB#0	21.28	PASS
Band7	15MHz	QPSK	21100	38RB#18	22.09	PASS
Band7	15MHz	QPSK	21100	38RB#37	21.35	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.78	PASS
Band7	15MHz	QPSK	21375	1RB#0	21.91	PASS
Band7	15MHz	QPSK	21375	1RB#38	21.93	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.18	PASS
Band7	15MHz	QPSK	21375	38RB#0	21.79	PASS
Band7	15MHz	QPSK	21375	38RB#18	20.86	PASS

Band7	15MHz	QPSK	21375	38RB#37	21.02	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.43	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.24	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.67	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.11	PASS
Band7	15MHz	16QAM	20825	38RB#0	21.16	PASS
Band7	15MHz	16QAM	20825	38RB#18	22.67	PASS
Band7	15MHz	16QAM	20825	38RB#37	22.09	PASS
Band7	15MHz	16QAM	20825	75RB#0	22.36	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.38	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.08	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.34	PASS
Band7	15MHz	16QAM	21100	38RB#0	21.27	PASS
Band7	15MHz	16QAM	21100	38RB#18	22.09	PASS
Band7	15MHz	16QAM	21100	38RB#37	21.35	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.97	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.76	PASS
Band7	15MHz	16QAM	21375	1RB#38	20.85	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.98	PASS
Band7	15MHz	16QAM	21375	38RB#0	21.77	PASS
Band7	15MHz	16QAM	21375	38RB#18	20.89	PASS
Band7	15MHz	16QAM	21375	38RB#37	21.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.59	PASS
Band7	20MHz	QPSK	20850	1RB#0	21.10	PASS
Band7	20MHz	QPSK	20850	1RB#49	21.07	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.04	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.70	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.50	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.69	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.71	PASS
Band7	20MHz	QPSK	21100	1RB#0	21.60	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.75	PASS
Band7	20MHz	QPSK	21100	1RB#99	21.08	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.65	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.67	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.75	PASS

Band7	20MHz	QPSK	21100	100RB#0	22.17	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.06	PASS
Band7	20MHz	QPSK	21350	1RB#49	21.18	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.30	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.16	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.20	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.38	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.87	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.37	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.38	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.37	PASS
Band7	20MHz	16QAM	20850	50RB#0	22.55	PASS
Band7	20MHz	16QAM	20850	50RB#25	22.57	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.54	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.82	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.56	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.27	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.26	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.43	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.53	PASS
Band7	20MHz	16QAM	21100	50RB#50	22.46	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.83	PASS
Band7	20MHz	16QAM	21350	1RB#0	22.16	PASS
Band7	20MHz	16QAM	21350	1RB#49	20.81	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.73	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.52	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.48	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.58	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.87	PASS

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

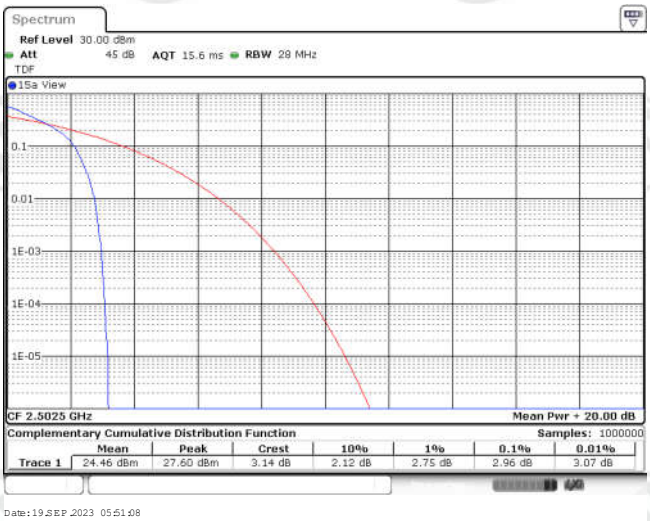
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	2.96	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.00	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	4.03	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.52	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	5.13	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.39	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.06	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.81	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.33	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.28	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	6.00	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.09	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	3.16	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.29	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.38	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.58	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.58	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.39	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.09	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.13	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.54	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.45	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.45	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.12	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	3.19	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	4.70	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.81	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	4.75	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	3.57	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.39	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	3.83	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.39	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.80	13	PASS

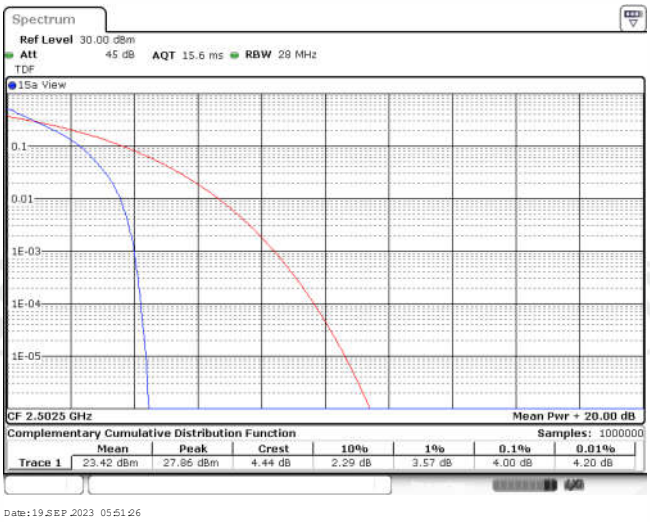
Band7	15MHz	16QAM	21100	75RB#0	5.51	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	4.52	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.97	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	3.13	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	4.75	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.99	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.67	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	3.25	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.13	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.32	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.62	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.86	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.57	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	4.06	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.86	13	PASS

Test Graphs

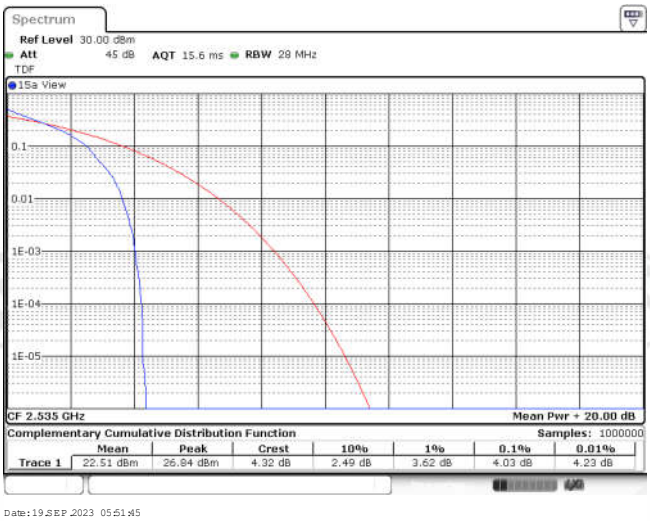
Band7-5MHz-QPSK-20775-1RB#0



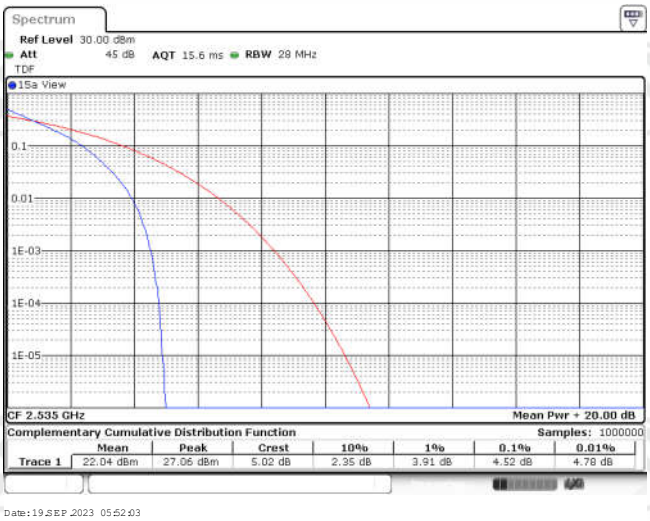
Band7-5MHz-QPSK-20775-25RB#0



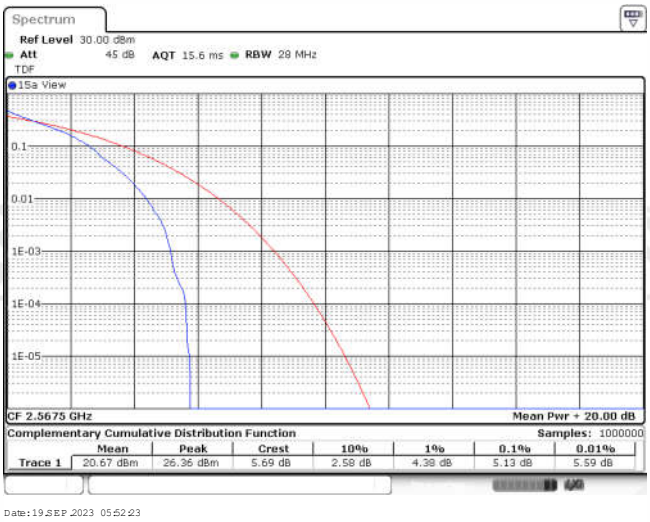
Band7-5MHz-QPSK-21100-1RB#0



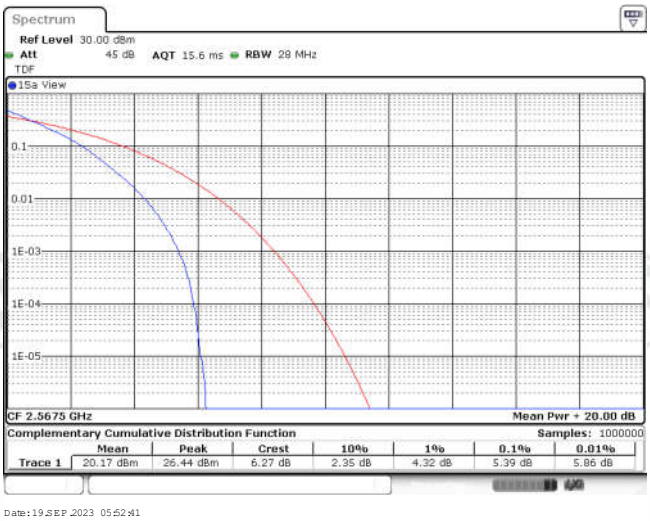
Band7-5MHz-QPSK-21100-25RB#0



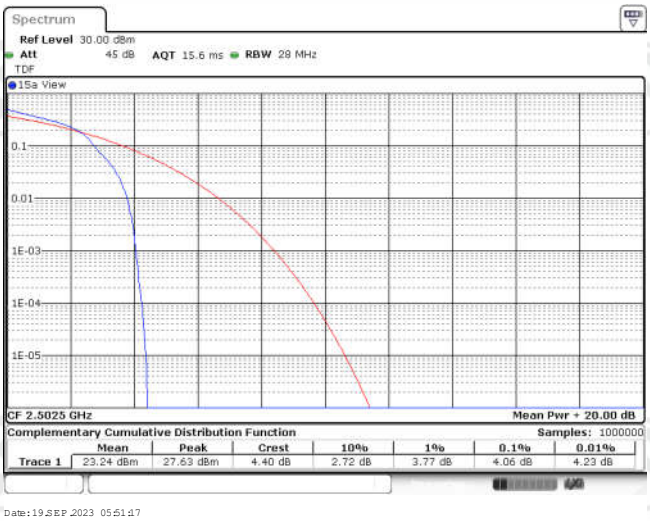
Band7-5MHz-QPSK-21425-1RB#0



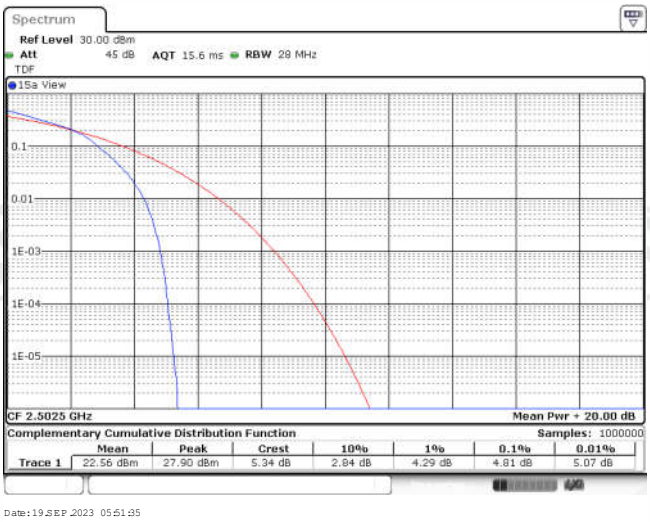
Band7-5MHz-QPSK-21425-25RB#0



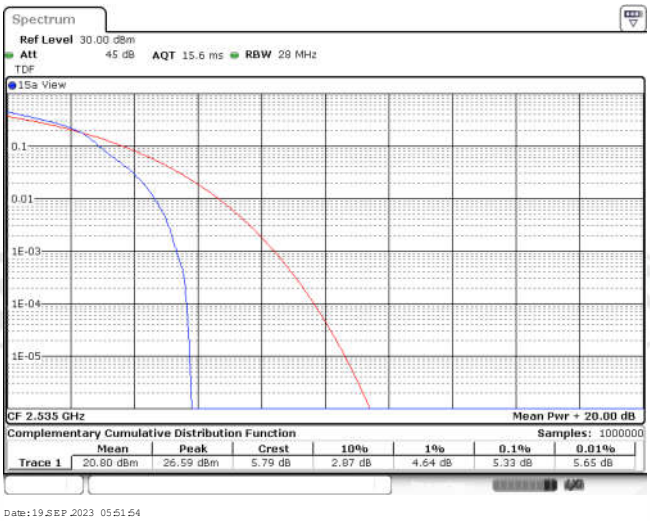
Band7-5MHz-16QAM-20775-1RB#0



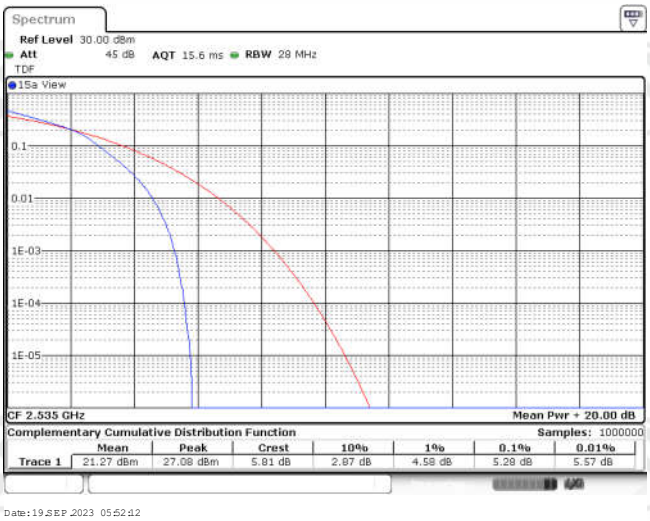
Band7-5MHz-16QAM-20775-25RB#0



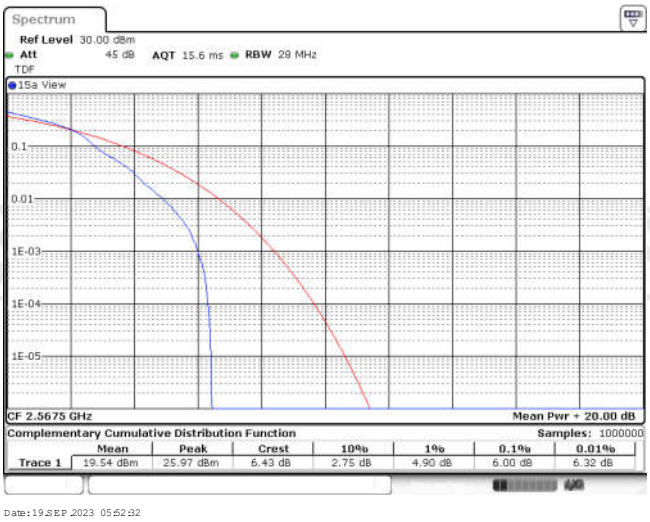
Band7-5MHz-16QAM-21100-1RB#0



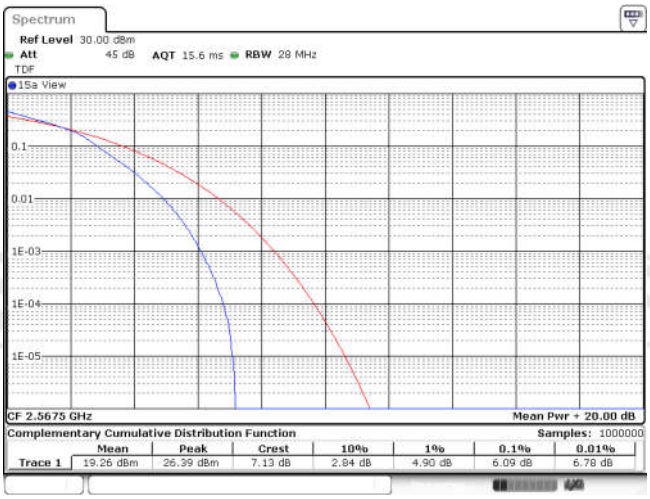
Band7-5MHz-16QAM-21100-25RB#0



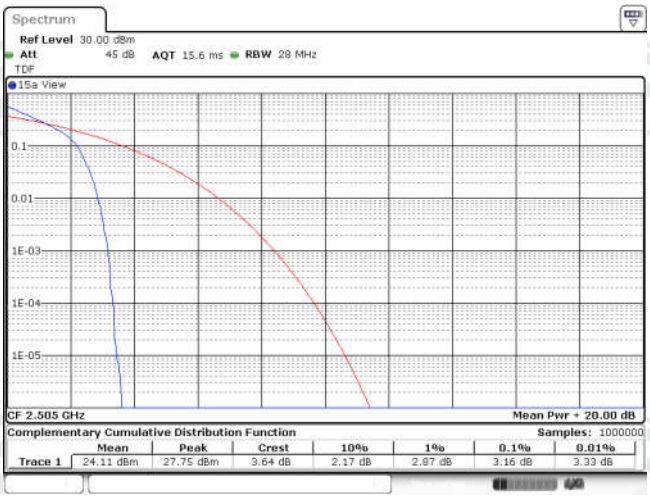
Band7-5MHz-16QAM-21425-1RB#0



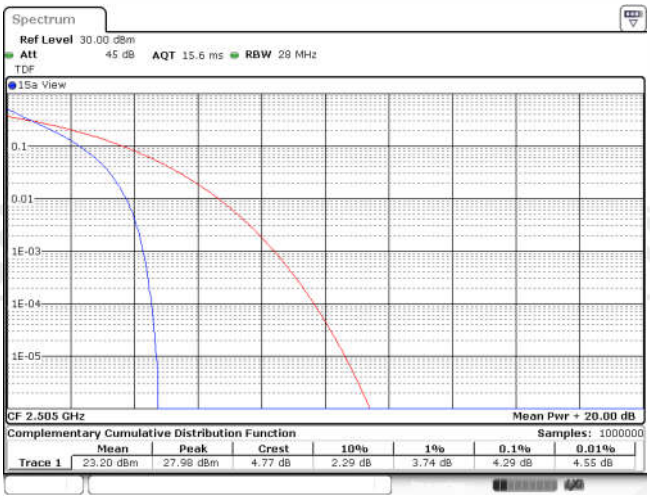
Band7-5MHz-16QAM-21425-25RB#0



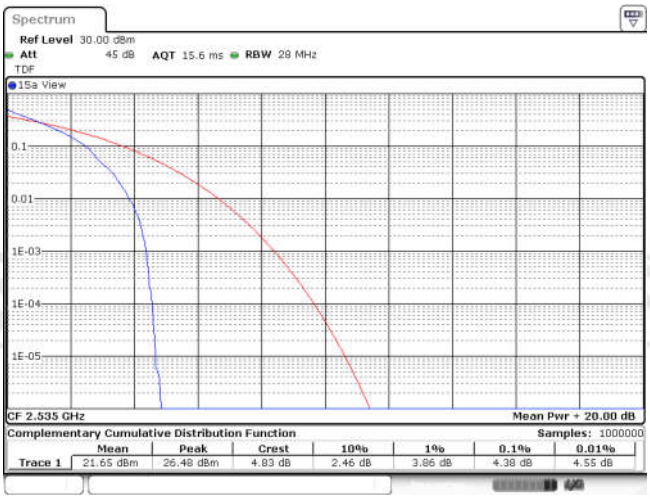
Band7-10MHz-QPSK-20800-1RB#0



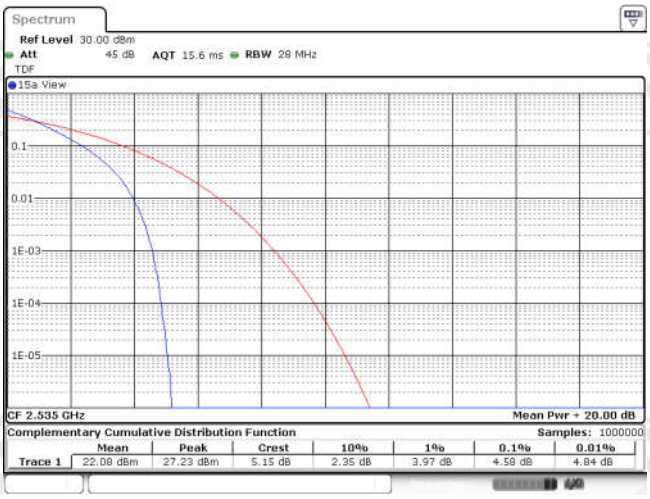
Band7-10MHz-QPSK-20800-50RB#0



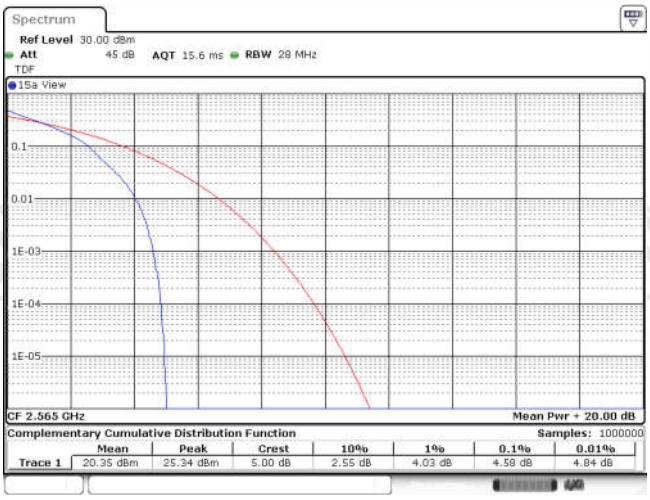
Band7-10MHz-QPSK-21100-1RB#0



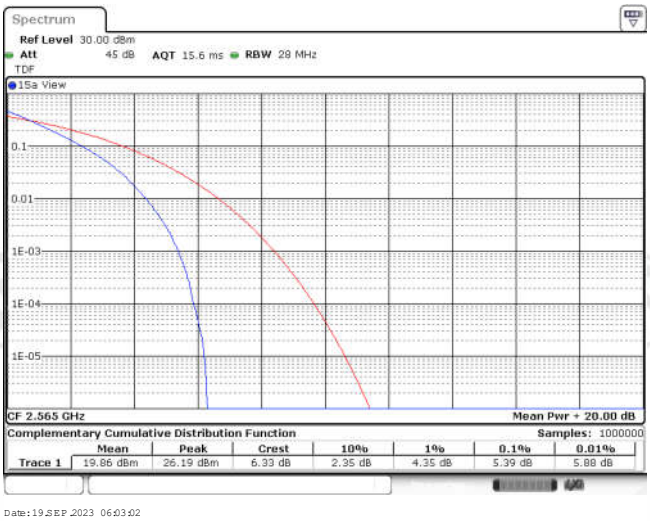
Band7-10MHz-QPSK-21100-50RB#0



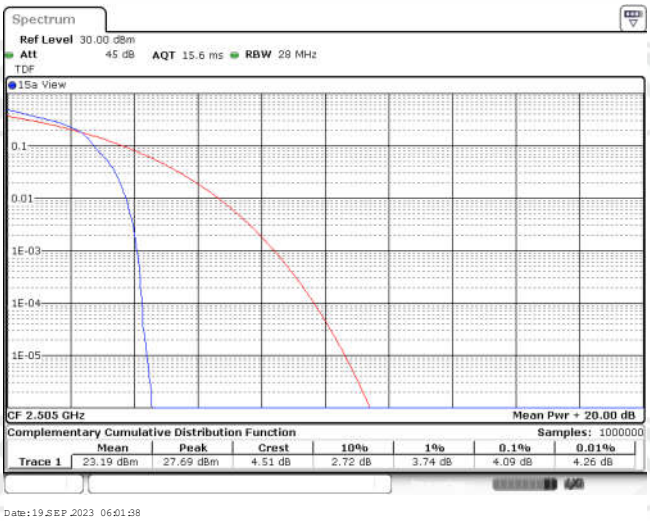
Band7-10MHz-QPSK-21400-1RB#0



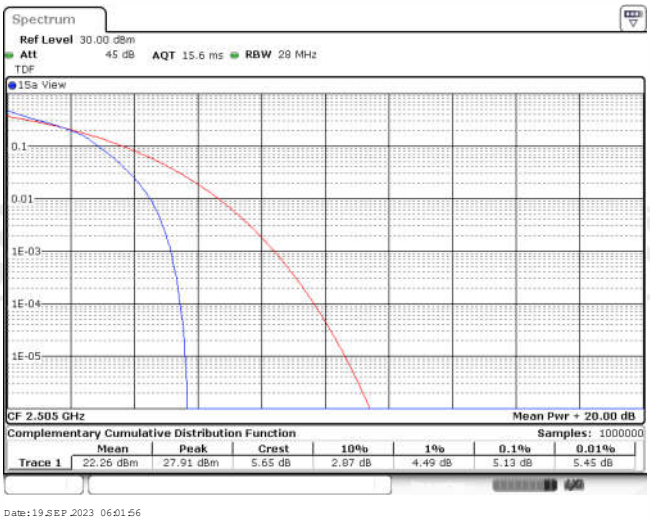
Band7-10MHz-QPSK-21400-50RB#0



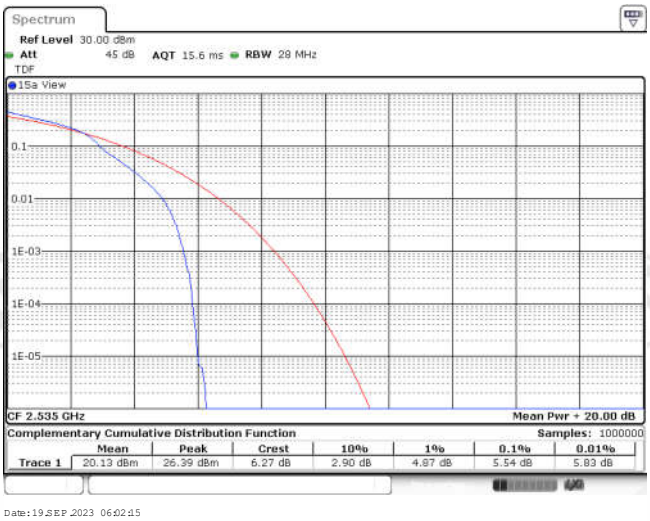
Band7-10MHz-16QAM-20800-1RB#0



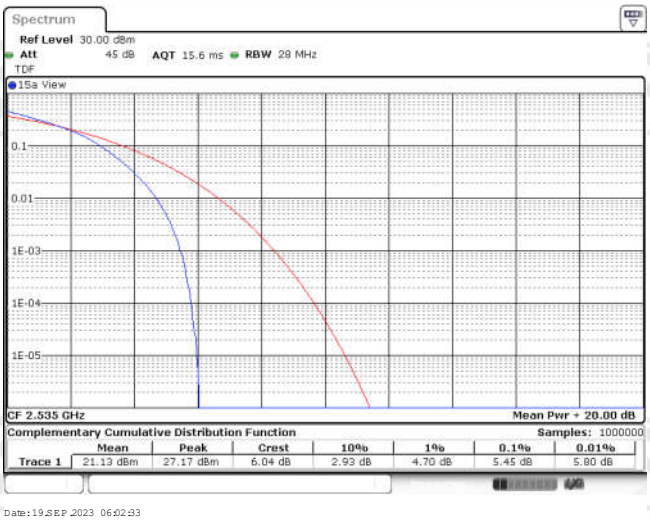
Band7-10MHz-16QAM-20800-50RB#0



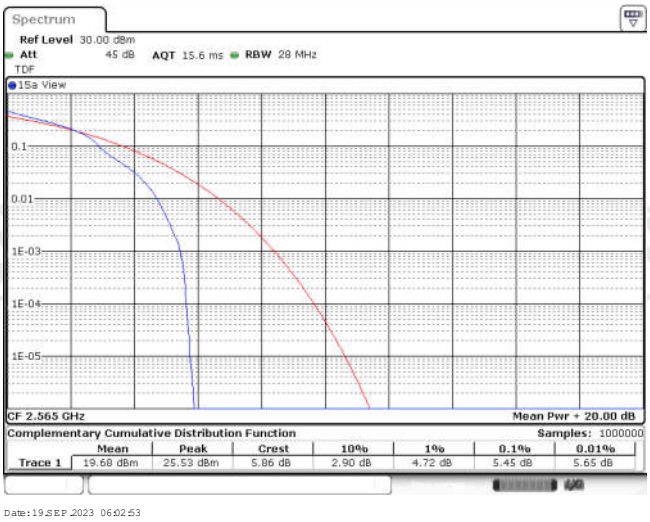
Band7-10MHz-16QAM-21100-1RB#0



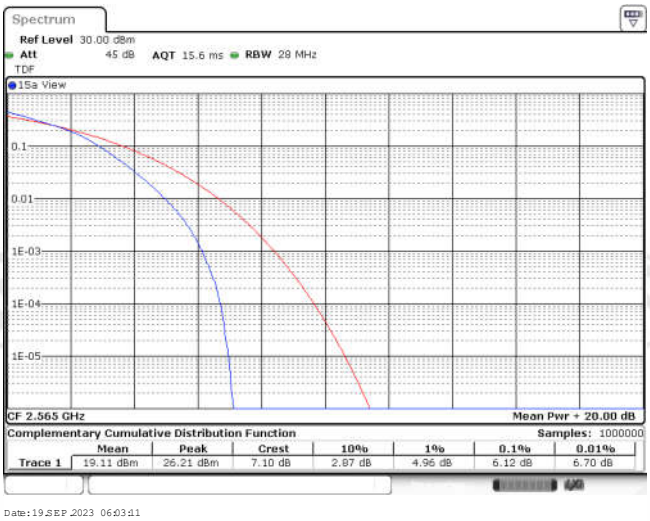
Band7-10MHz-16QAM-21100-50RB#0



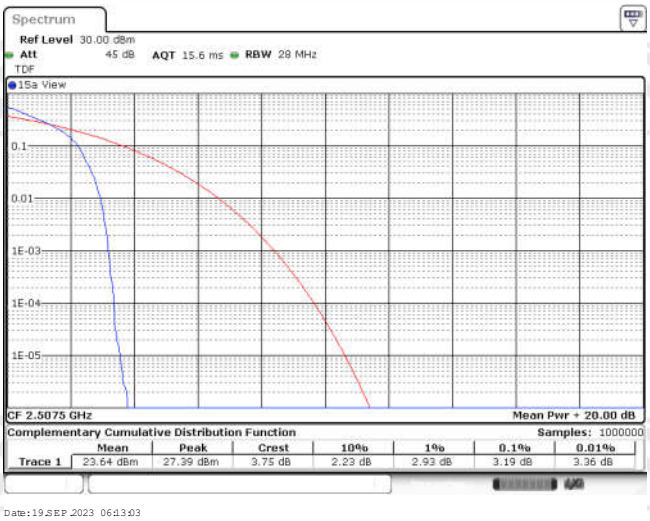
Band7-10MHz-16QAM-21400-1RB#0



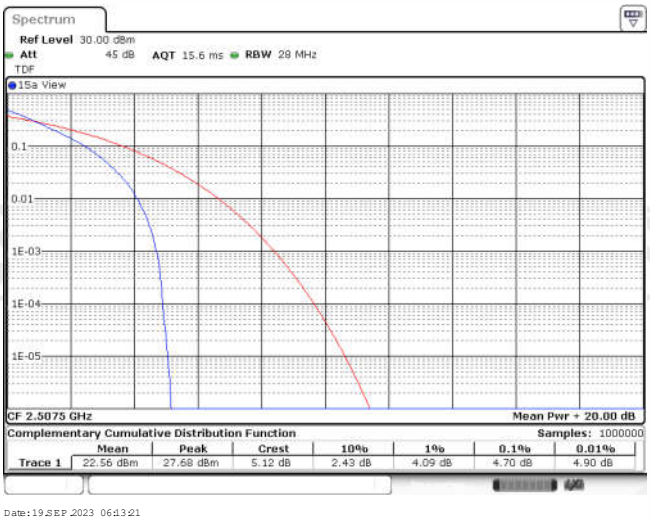
Band7-10MHz-16QAM-21400-50RB#0



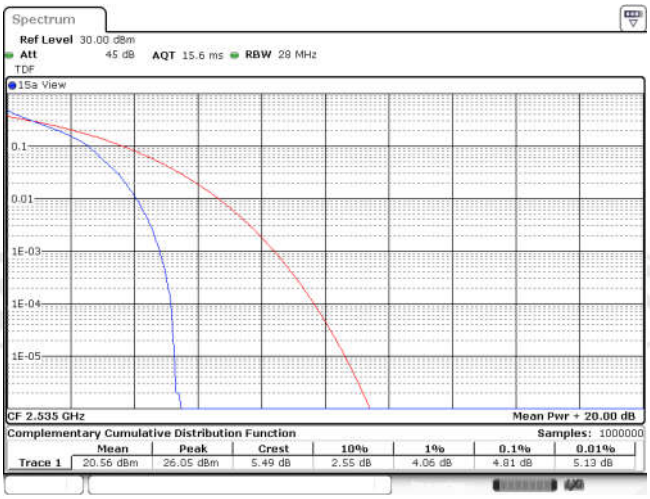
Band7-15MHz-QPSK-20825-1RB#0



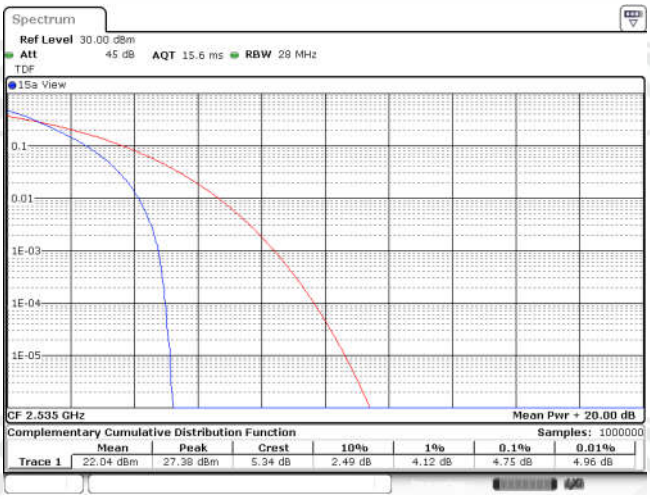
Band7-15MHz-QPSK-20825-75RB#0



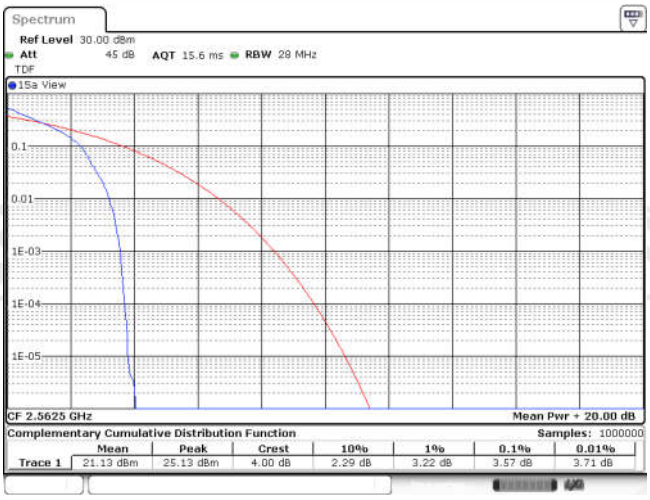
Band7-15MHz-QPSK-21100-1RB#0



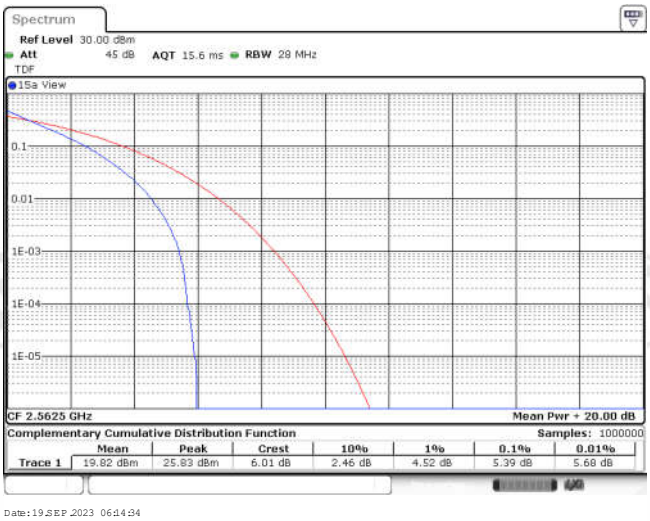
Band7-15MHz-QPSK-21100-75RB#0



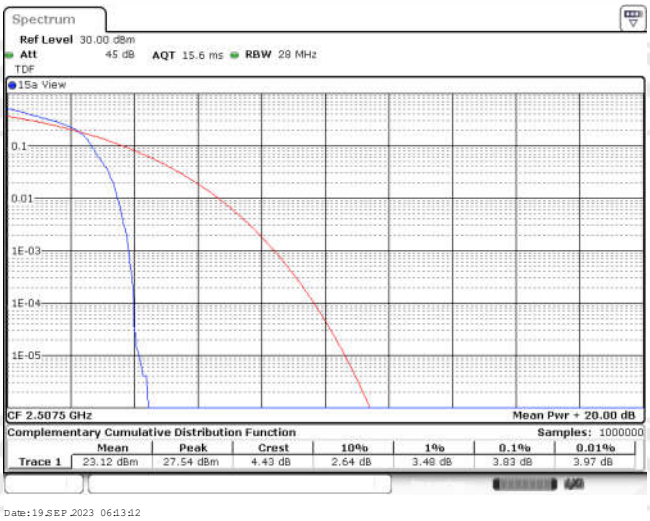
Band7-15MHz-QPSK-21375-1RB#0



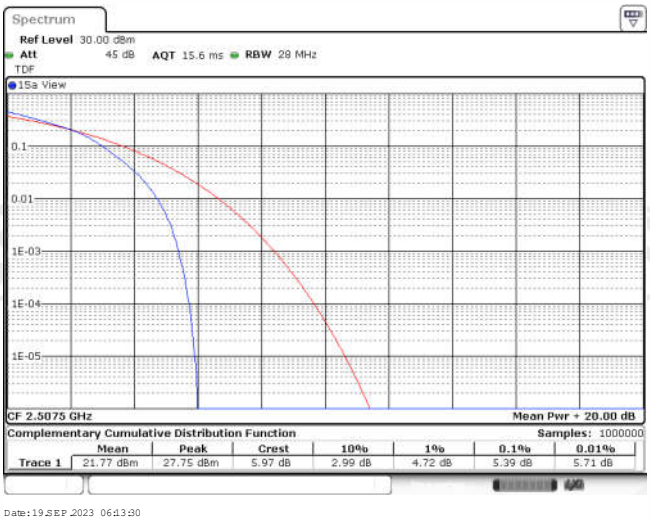
Band7-15MHz-QPSK-21375-75RB#0



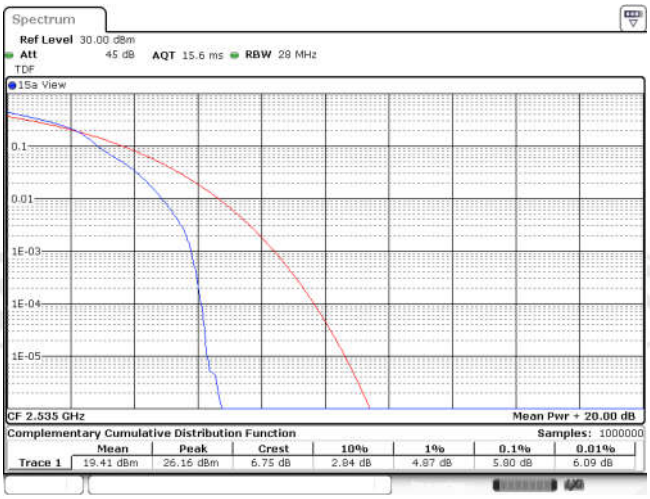
Band7-15MHz-16QAM-20825-1RB#0



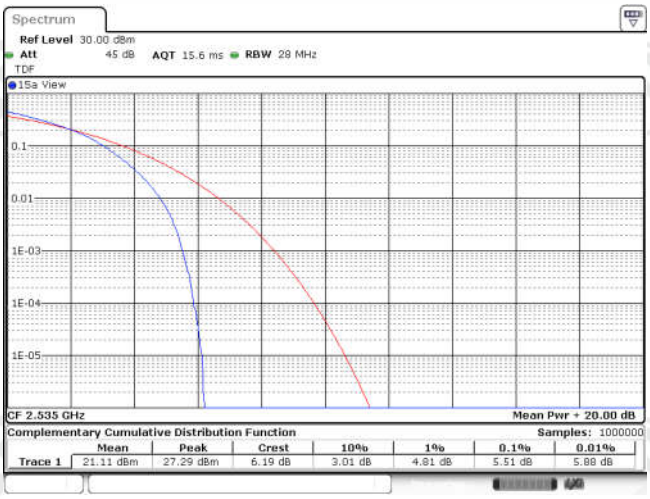
Band7-15MHz-16QAM-20825-75RB#0



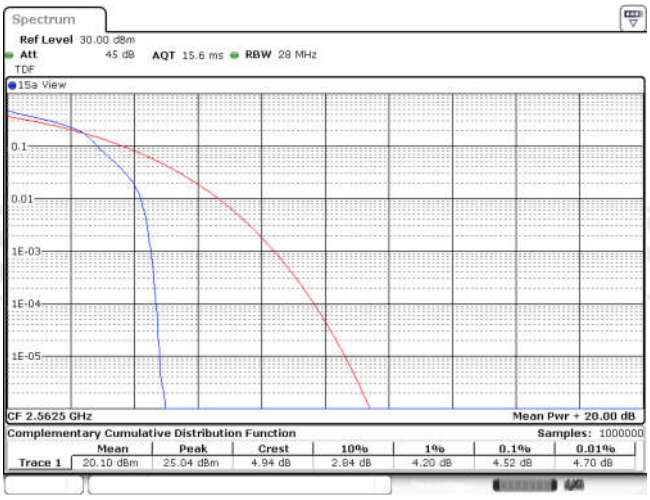
Band7-15MHz-16QAM-21100-1RB#0



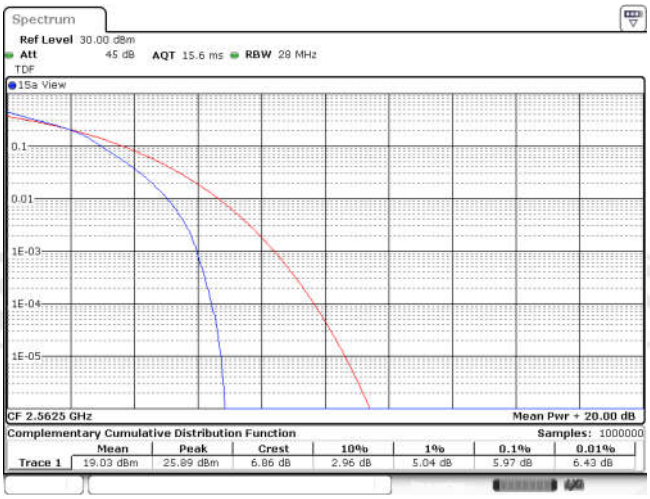
Band7-15MHz-16QAM-21100-75RB#0



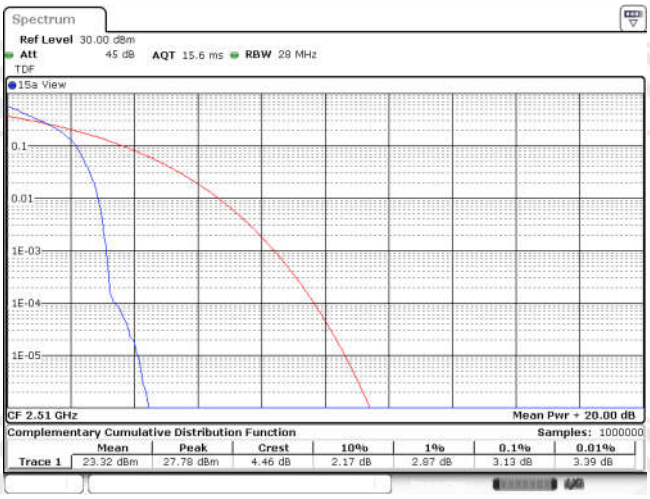
Band7-15MHz-16QAM-21375-1RB#0



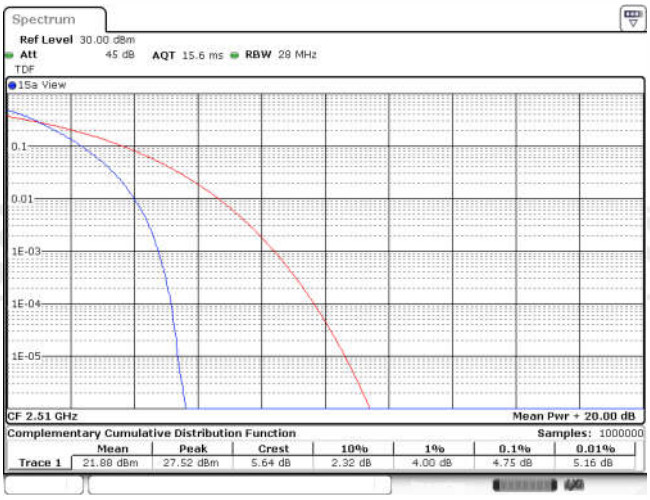
Band7-15MHz-16QAM-21375-75RB#0



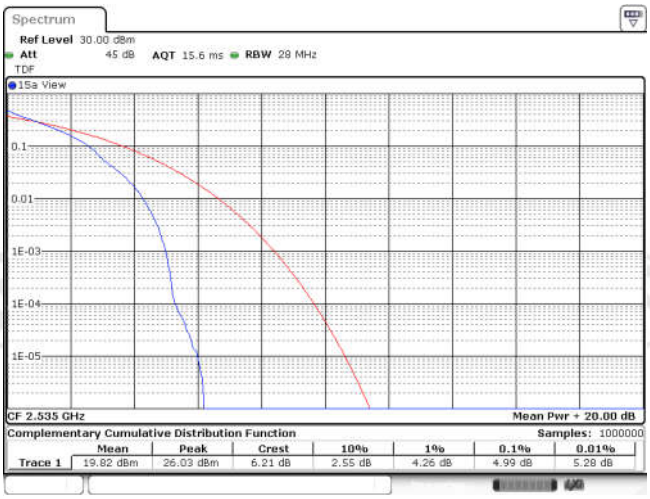
Band7-20MHz-QPSK-20850-1RB#0



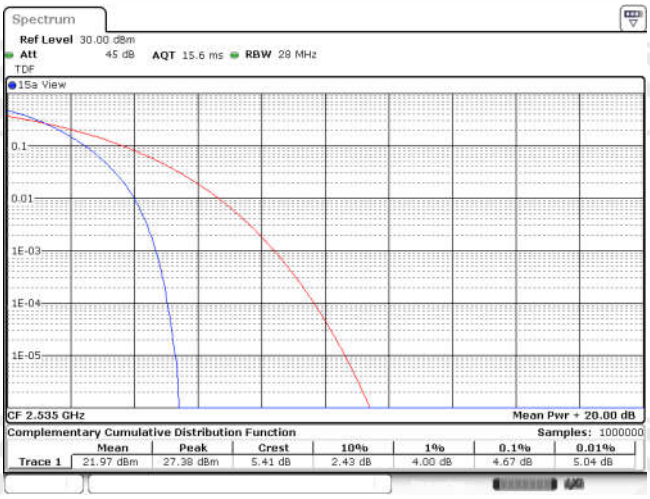
Band7-20MHz-QPSK-20850-100RB#0



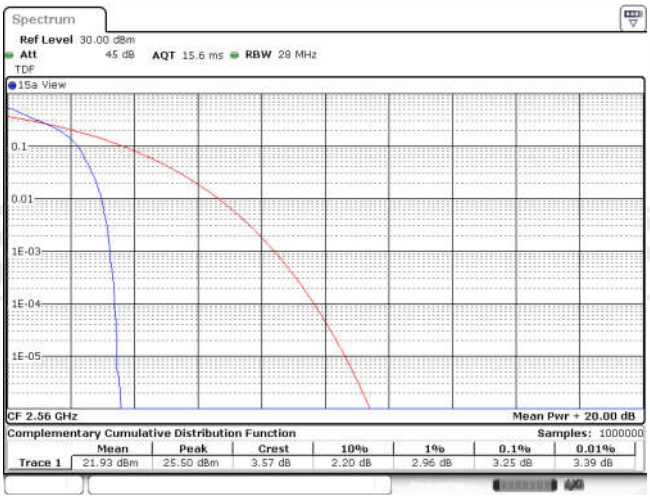
Band7-20MHz-QPSK-21100-1RB#0



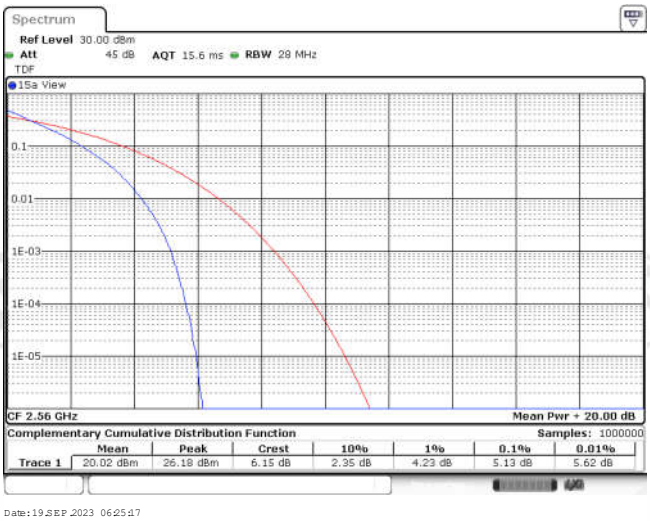
Band7-20MHz-QPSK-21100-100RB#0



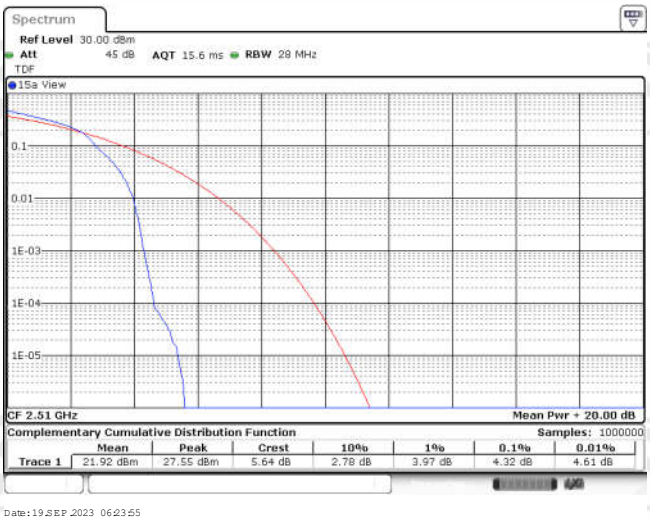
Band7-20MHz-QPSK-21350-1RB#0



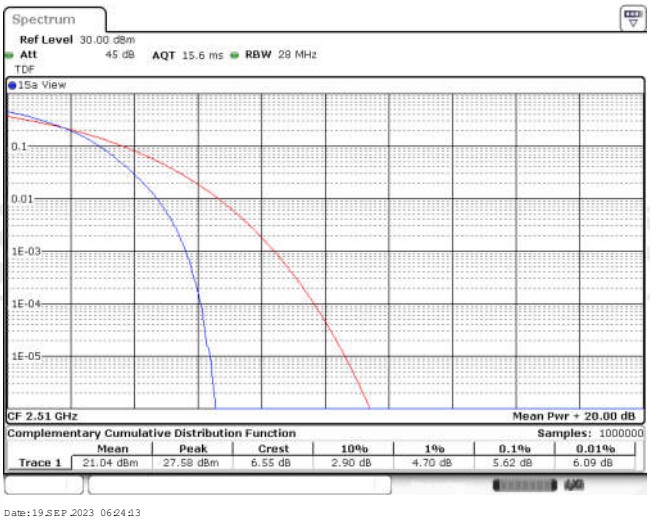
Band7-20MHz-QPSK-21350-100RB#0



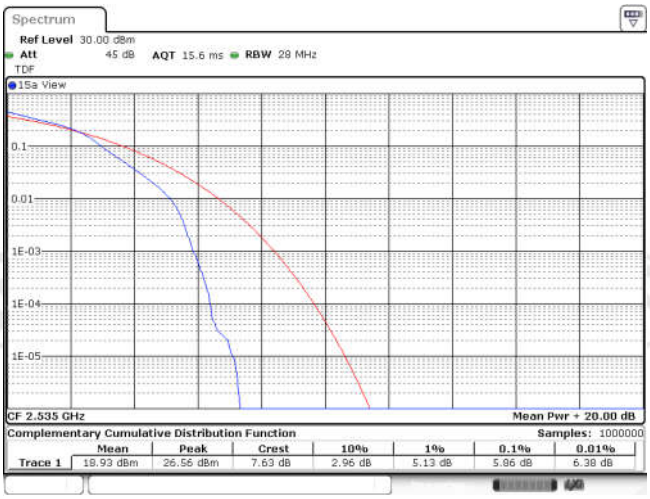
Band7-20MHz-16QAM-20850-1RB#0



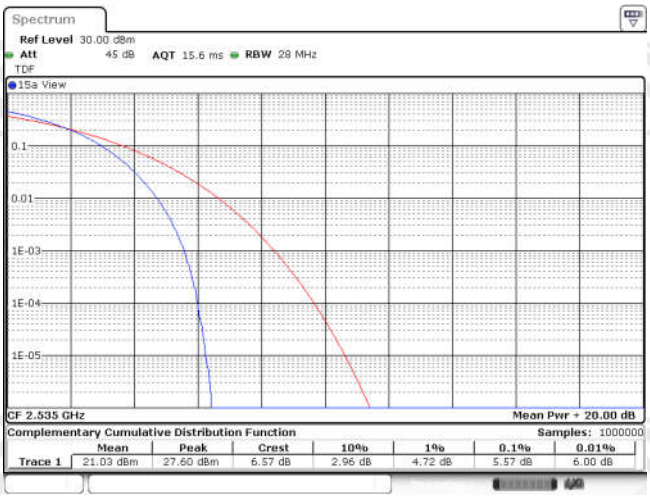
Band7-20MHz-16QAM-20850-100RB#0



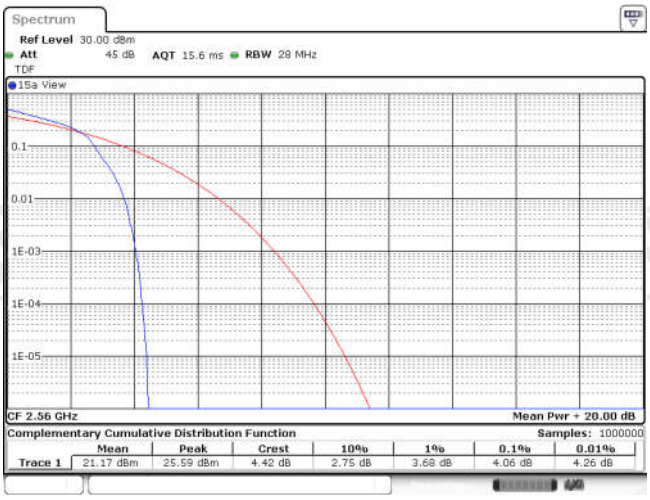
Band7-20MHz-16QAM-21100-1RB#0



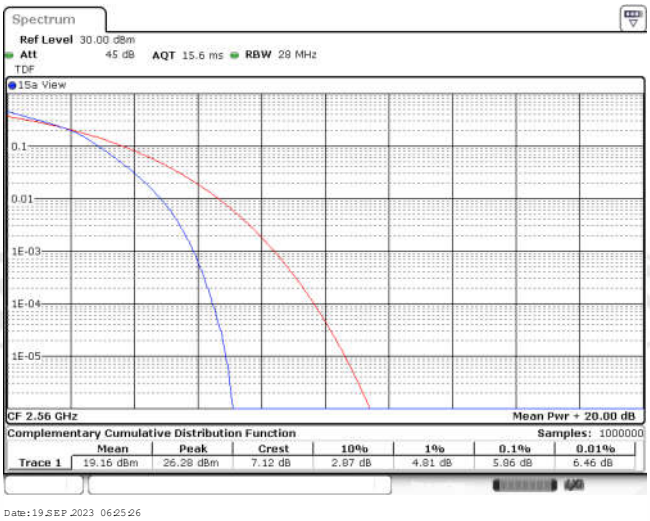
Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-16QAM-21350-1RB#0



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


Spectrum
Ref Level 30.00 dBm
Att 45 dB
AQT 15.6 ms
RBW 28 MHz
TDF
15a View
0.1
0.01
1E-03
1E-04
1E-05
CF 2.56 GHz
Mean Pwr + 20.00 dB
Complementary Cumulative Distribution Function
Samples: 1000000
Mean Peak Crest 10% 1% 0.1% 0.01%
Trace 1 19.16 dBm 26.28 dBm 7.12 dB 2.87 dB 4.81 dB 5.86 dB 6.46 dB
Date:19.SEP.2023 06:25:26

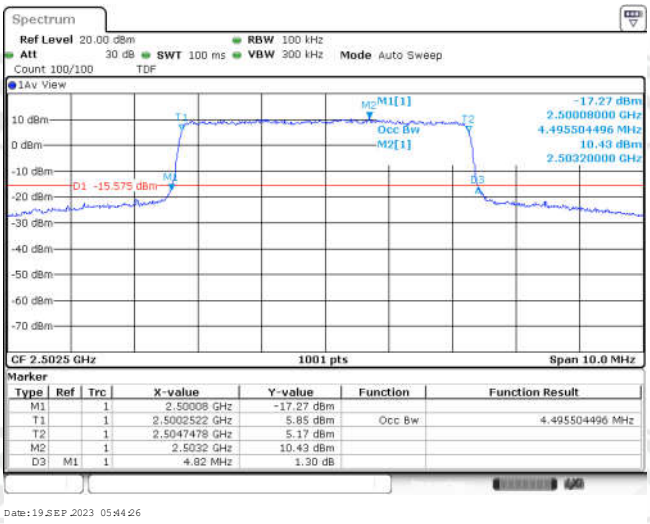
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

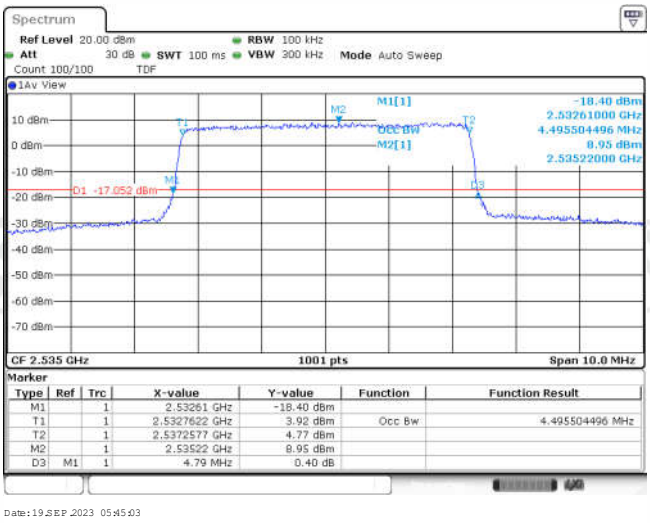
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.496	4.820	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.496	4.790	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.486	4.790	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.505	4.790	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.496	4.780	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.496	4.790	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.985	9.533	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.985	9.533	PASS
Band7	10MHz	QPSK	21400	50RB#0	9.018	9.567	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.985	9.567	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.952	9.567	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.952	9.533	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.428	14.300	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.478	14.300	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.478	14.300	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.428	14.300	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.428	14.250	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.478	14.300	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.97	19.333	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.97	19.267	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.103	19.333	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.037	19.333	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.903	19.267	PASS
Band7	20MHz	16QAM	21350	100RB#0	18.17	19.333	PASS

Test Graphs

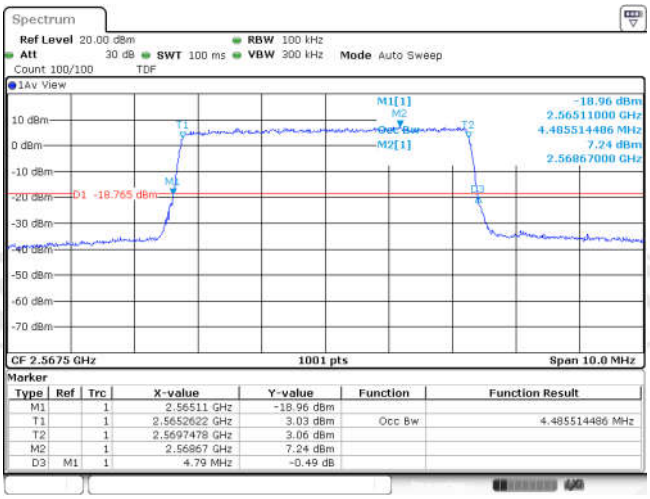
Band7-5MHz-QPSK-20775-25RB#0-4.496



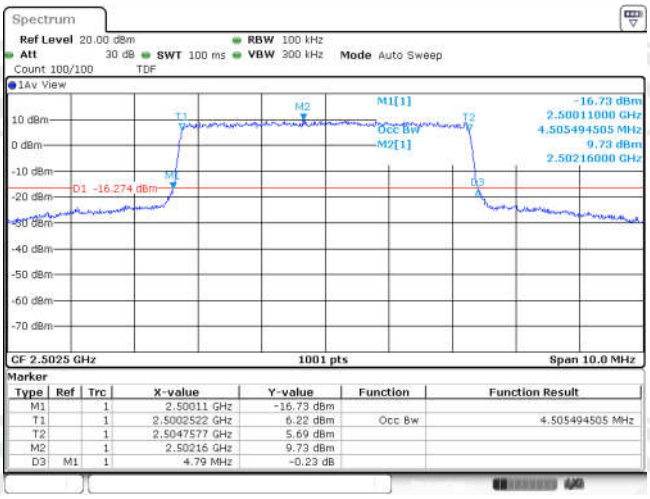
Band7-5MHz-QPSK-21100-25RB#0-4.496



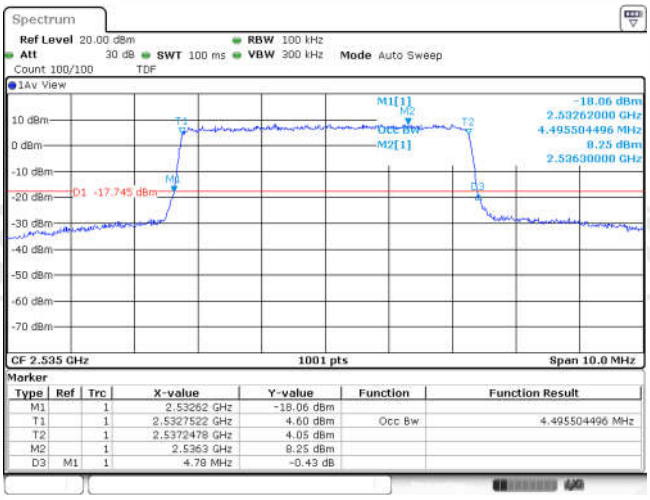
Band7-5MHz-QPSK-21425-25RB#0-4.486



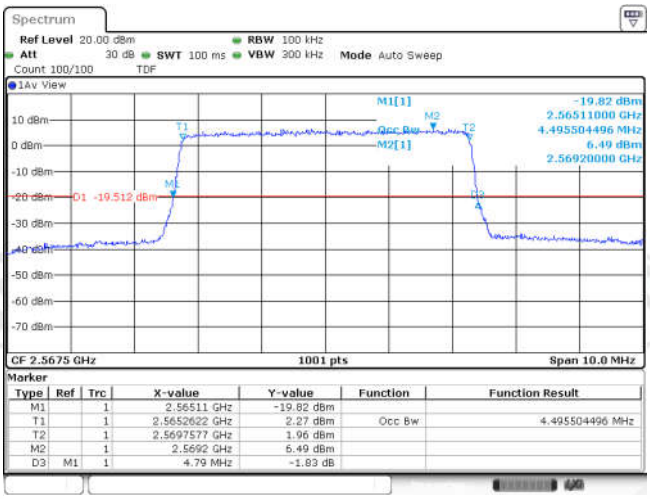
Band7-5MHz-16QAM-20775-25RB#0-4.505



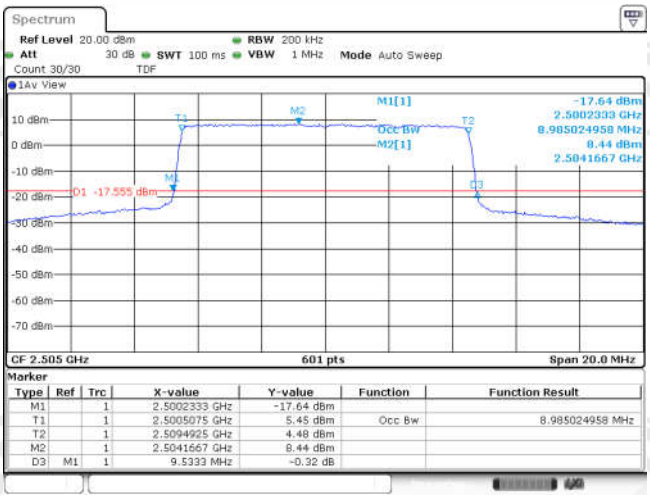
Band7-5MHz-16QAM-21100-25RB#0-4.496



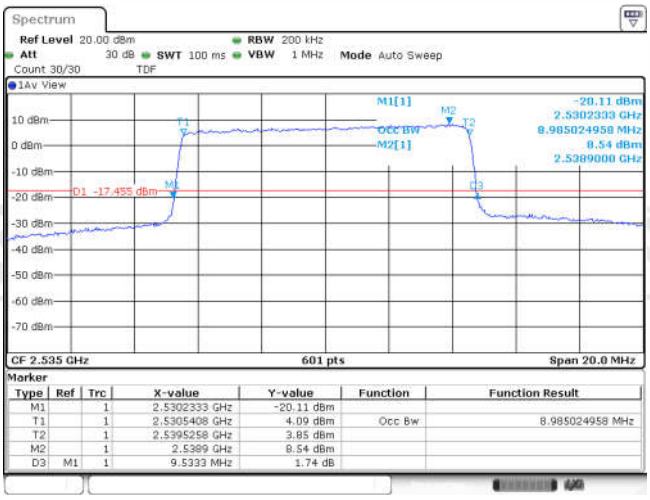
Band7-5MHz-16QAM-21425-25RB#0-4.496



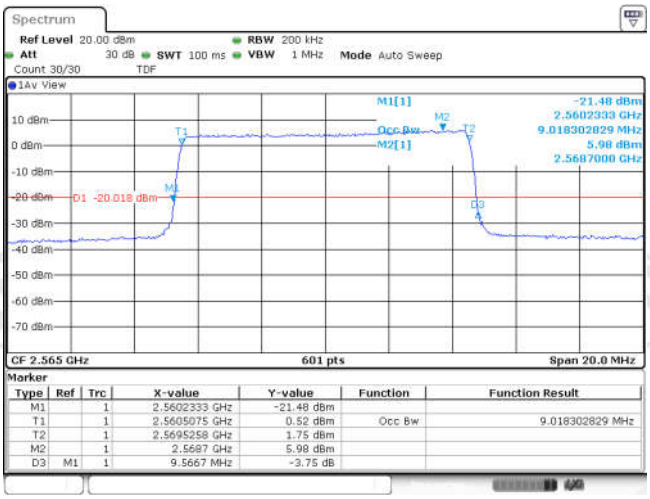
Band7-10MHz-QPSK-20800-50RB#0-8.985



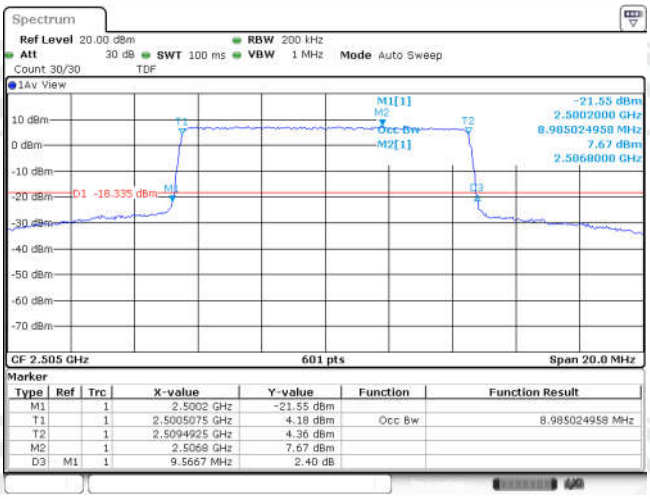
Band7-10MHz-QPSK-21100-50RB#0-8.985



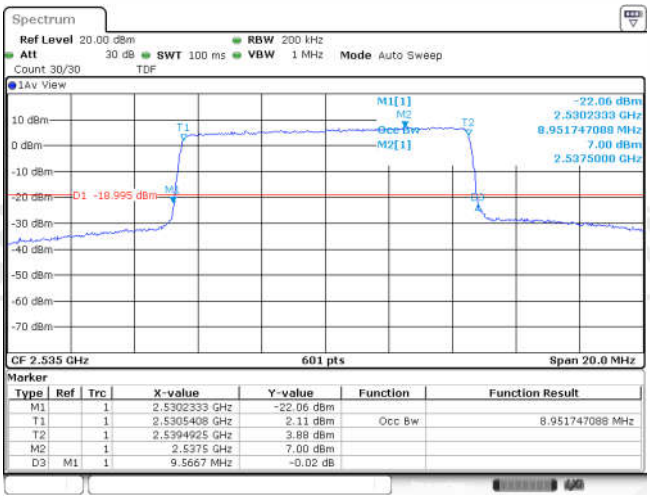
Band7-10MHz-QPSK-21400-50RB#0-9.018



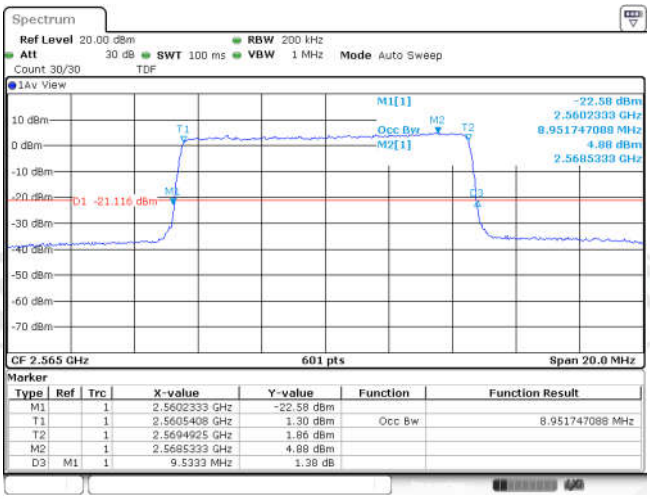
Band7-10MHz-16QAM-20800-50RB#0-8.985



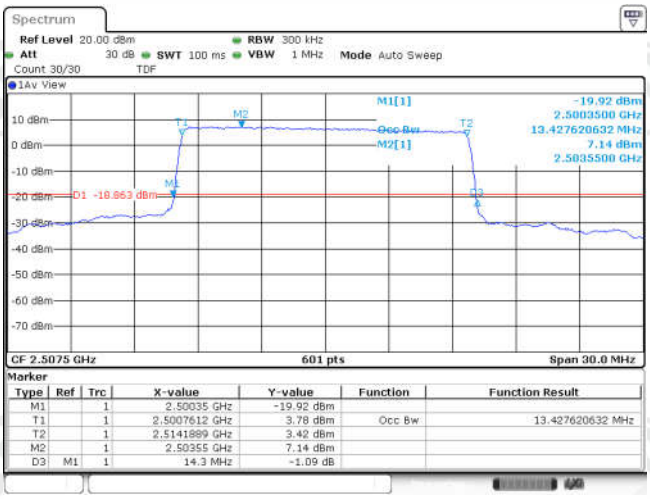
Band7-10MHz-16QAM-21100-50RB#0-8.952



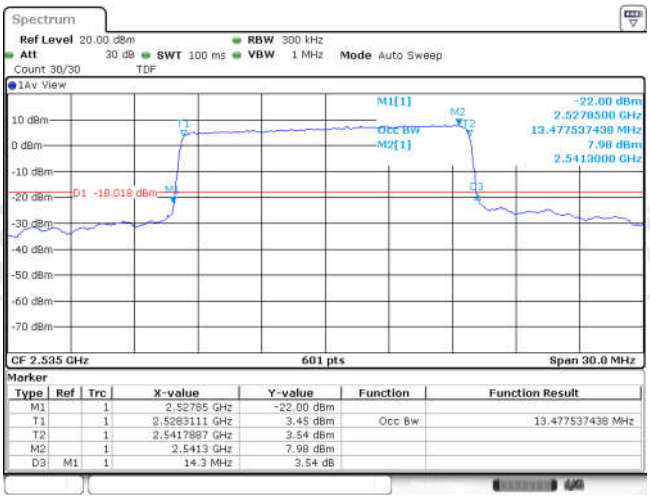
Band7-10MHz-16QAM-21400-50RB#0-8.952



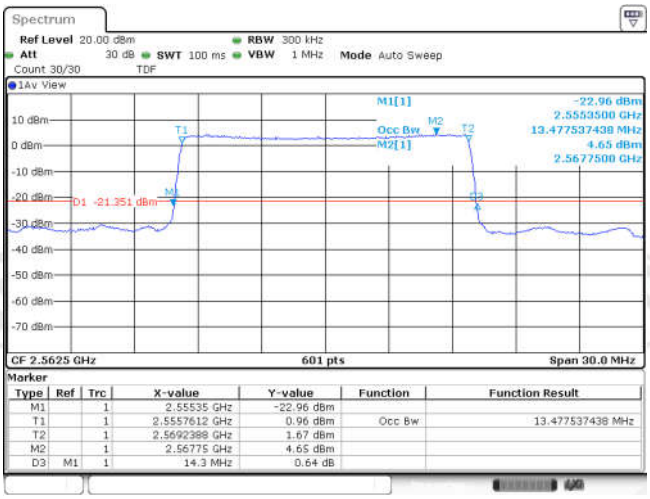
Band7-15MHz-QPSK-20825-75RB#0-13.428



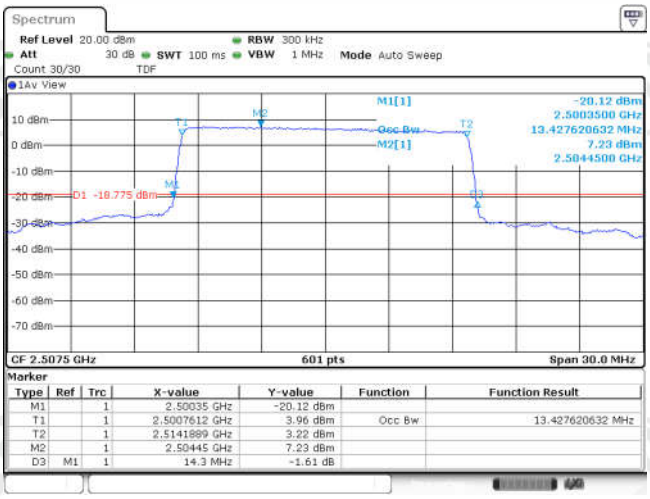
Band7-15MHz-QPSK-21100-75RB#0-13.478



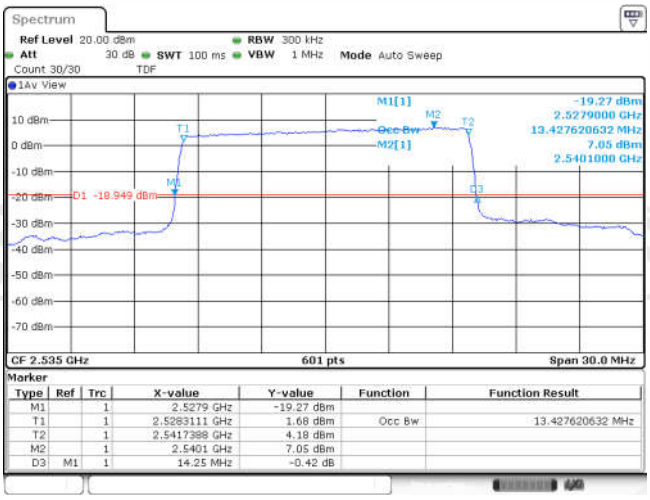
Band7-15MHz-QPSK-21375-75RB#0-13.478



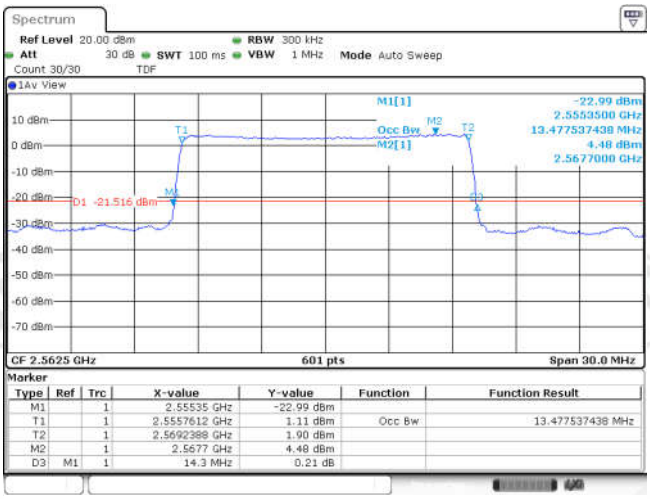
Band7-15MHz-16QAM-20825-75RB#0-13.428



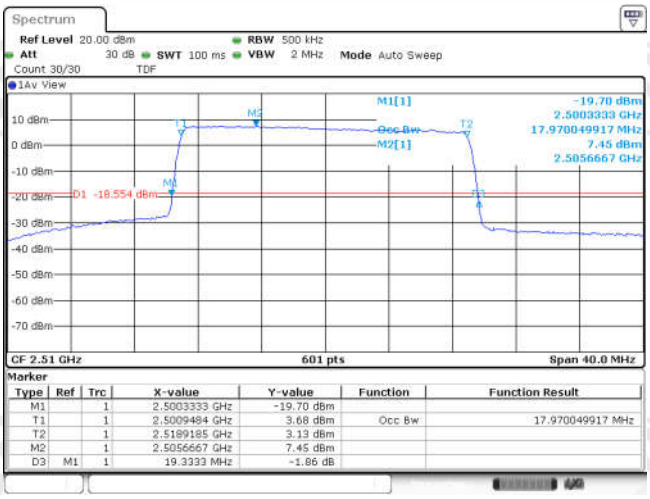
Band7-15MHz-16QAM-21100-75RB#0-13.428



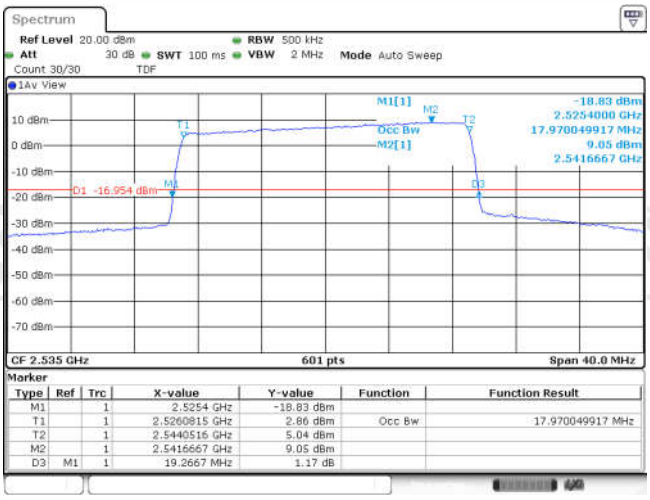
Band7-15MHz-16QAM-21375-75RB#0-13.478



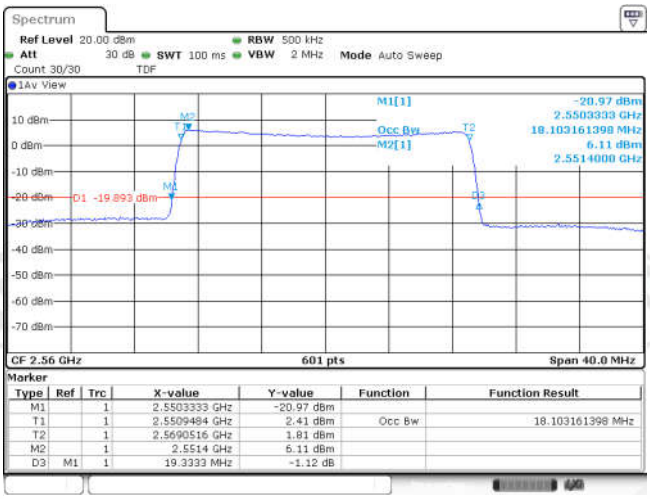
Band7-20MHz-QPSK-20850-100RB#0-17.97



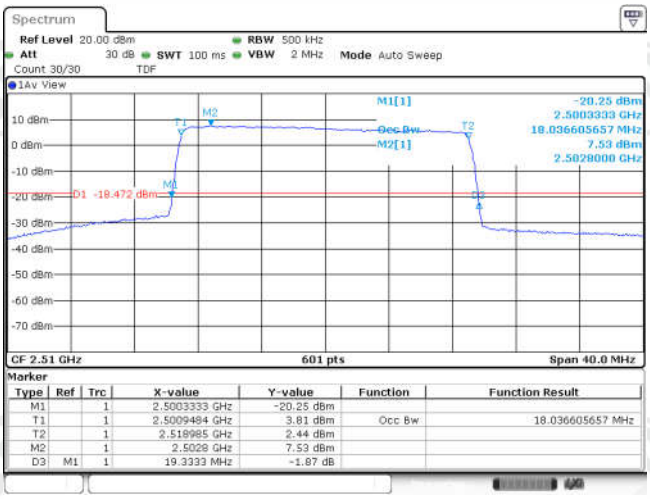
Band7-20MHz-QPSK-21100-100RB#0-17.97



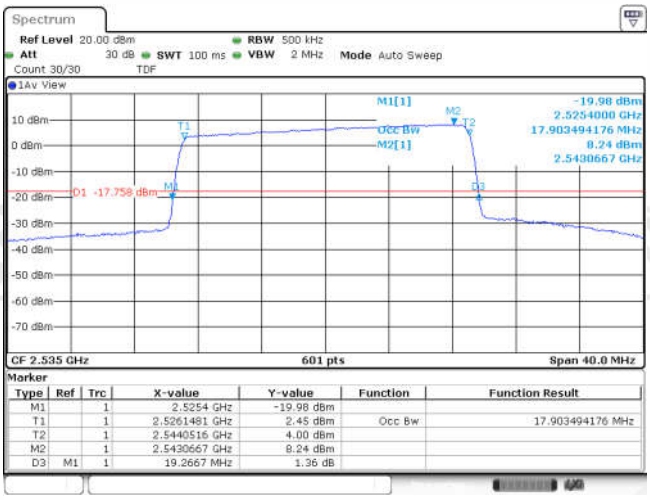
Band7-20MHz-QPSK-21350-100RB#0-18.103



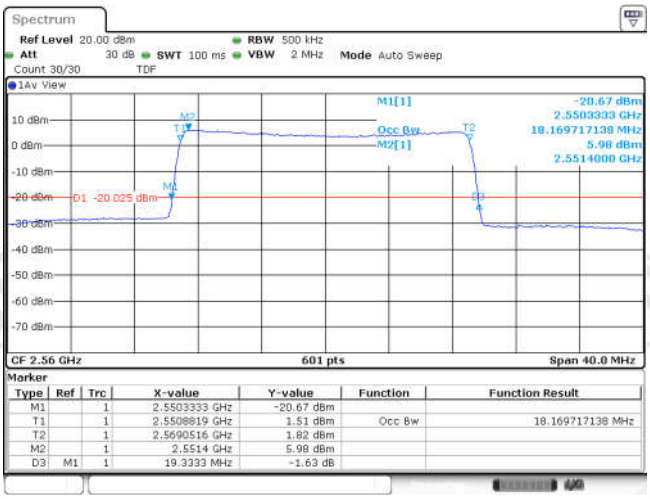
Band7-20MHz-16QAM-20850-100RB#0-18.037



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



Band7-20MHz-16QAM-21350-100RB#0-18.17


Spectrum
Ref Level 20.00 dBm
RBW 500 kHz
Att 30 dB
SWT 100 ms
VBW 2 MHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
M1[1] -20.67 dBm 2.5503333 GHz
Occ Bw 18.169717138 MHz
M2[1] 5.98 dBm 2.5514000 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
D1 -20.025 dBm
CF 2.56 GHz
601 pts
Span 40.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 2.5503333 GHz -20.67 dBm
T1 1 2.5508819 GHz 1.51 dBm Occ Bw 18.169717138 MHz
T2 1 2.5690516 GHz 1.82 dBm
M2 1 2.5514 GHz 5.98 dBm
D3 M1 1 19.3333 MHz -1.63 dB
Date:19.SEP.2023 06:18:29

Appendix D: Band Edge

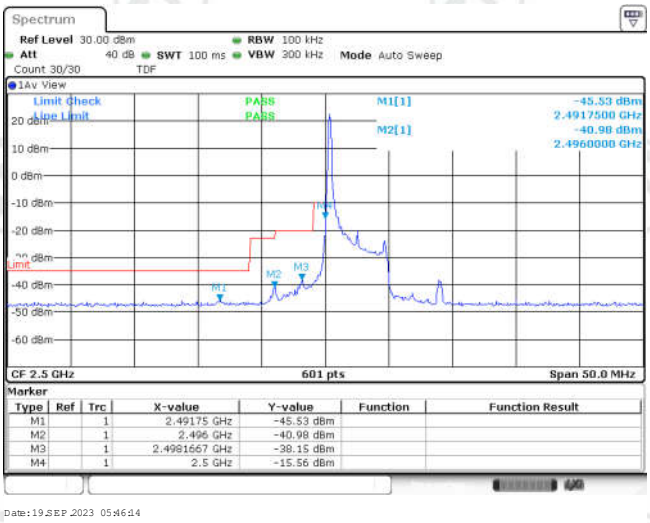
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-45.53,-40.98,-38.15,-15.56	PASS
Band7	5MHz	QPSK	20775	1RB#24	-45.45,-38.60,-38.21,-35.57	PASS
Band7	5MHz	QPSK	20775	25RB#0	-43.96,-35.67,-23.57,-21.30	PASS
Band7	5MHz	QPSK	21425	1RB#0	-38.00,-38.40,-46.25,-45.55	PASS
Band7	5MHz	QPSK	21425	1RB#24	-19.11,-42.36,-45.88,-45.95	PASS
Band7	5MHz	QPSK	21425	25RB#0	-29.04,-35.58,-42.46,-42.82	PASS
Band7	5MHz	16QAM	20775	1RB#0	-46.03,-43.34,-41.51,-17.63	PASS
Band7	5MHz	16QAM	20775	1RB#24	-45.60,-41.22,-41.22,-36.10	PASS
Band7	5MHz	16QAM	20775	25RB#0	-44.23,-38.13,-25.27,-22.71	PASS
Band7	5MHz	16QAM	21425	1RB#0	-41.34,-40.14,-45.87,-45.79	PASS
Band7	5MHz	16QAM	21425	1RB#24	-21.28,-42.46,-45.91,-45.81	PASS
Band7	5MHz	16QAM	21425	25RB#0	-30.49,-35.74,-42.44,-43.15	PASS
Band7	10MHz	QPSK	20800	1RB#0	-43.30,-39.60,-37.81,-20.36	PASS
Band7	10MHz	QPSK	20800	1RB#49	-43.96,-39.20,-42.90,-39.08	PASS
Band7	10MHz	QPSK	20800	50RB#0	-40.97,-28.06,-24.86,-23.16	PASS
Band7	10MHz	QPSK	21400	1RB#0	-40.52,-41.12,-37.57,-43.95	PASS
Band7	10MHz	QPSK	21400	1RB#49	-23.45,-40.28,-42.33,-43.56	PASS
Band7	10MHz	QPSK	21400	50RB#0	-31.76,-33.30,-34.52,-41.51	PASS
Band7	10MHz	16QAM	20800	1RB#0	-43.64,-39.29,-40.37,-22.94	PASS
Band7	10MHz	16QAM	20800	1RB#49	-43.36,-43.36,-40.99,-39.59	PASS
Band7	10MHz	16QAM	20800	50RB#0	-42.61,-30.63,-26.82,-25.86	PASS
Band7	10MHz	16QAM	21400	1RB#0	-39.63,-40.82,-38.11,-43.84	PASS
Band7	10MHz	16QAM	21400	1RB#49	-25.81,-40.93,-42.13,-43.84	PASS
Band7	10MHz	16QAM	21400	50RB#0	-32.59,-34.00,-36.39,-41.09	PASS
Band7	15MHz	QPSK	20825	1RB#0	-38.37,-37.77,-37.89,-24.20	PASS
Band7	15MHz	QPSK	20825	1RB#74	-40.19,-41.25,-42.33,-40.53	PASS
Band7	15MHz	QPSK	20825	75RB#0	-34.25,-26.13,-23.89,-23.14	PASS
Band7	15MHz	QPSK	21375	1RB#0	-40.85,-42.42,-37.82,-42.36	PASS
Band7	15MHz	QPSK	21375	1RB#74	-25.60,-41.29,-38.74,-42.47	PASS
Band7	15MHz	QPSK	21375	75RB#0	-29.38,-29.13,-29.75,-40.19	PASS
Band7	15MHz	16QAM	20825	1RB#0	-41.04,-38.62,-39.26,-22.71	PASS
Band7	15MHz	16QAM	20825	1RB#74	-41.21,-41.40,-42.37,-40.59	PASS
Band7	15MHz	16QAM	20825	75RB#0	-36.87,-29.37,-26.87,-25.55	PASS
Band7	15MHz	16QAM	21375	1RB#0	-40.94,-42.23,-37.94,-42.50	PASS

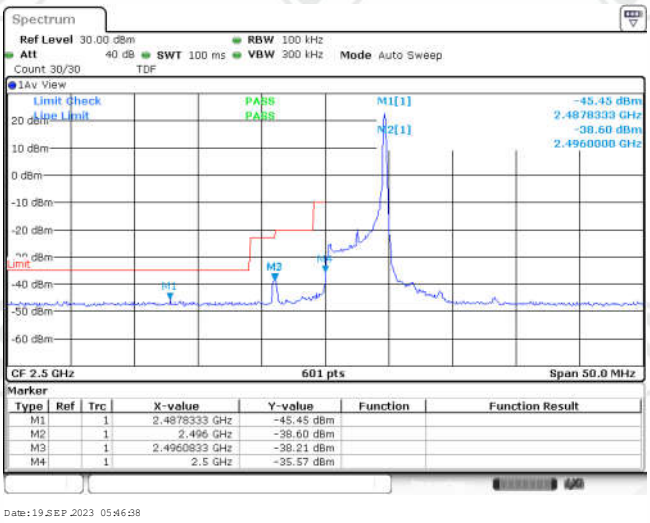
Band7	15MHz	16QAM	21375	1RB#74	-26.80,-41.41,-38.84,-42.55	PASS
Band7	15MHz	16QAM	21375	75RB#0	-31.37,-30.70,-31.18,-40.47	PASS
Band7	20MHz	QPSK	20850	1RB#0	-38.42,-37.38,-37.12,-22.57	PASS
Band7	20MHz	QPSK	20850	1RB#99	-40.68,-37.48,-40.21,-39.24	PASS
Band7	20MHz	QPSK	20850	100RB#0	-32.87,-28.06,-26.16,-25.49	PASS
Band7	20MHz	QPSK	21350	1RB#0	-39.18,-40.07,-35.53,-40.99	PASS
Band7	20MHz	QPSK	21350	1RB#99	-24.95,-39.49,-35.22,-40.68	PASS
Band7	20MHz	QPSK	21350	100RB#0	-28.57,-29.15,-29.52,-40.44	PASS
Band7	20MHz	16QAM	20850	1RB#0	-39.24,-36.84,-37.73,-23.59	PASS
Band7	20MHz	16QAM	20850	1RB#99	-39.49,-37.07,-40.25,-39.64	PASS
Band7	20MHz	16QAM	20850	100RB#0	-34.72,-29.45,-27.93,-27.12	PASS
Band7	20MHz	16QAM	21350	1RB#0	-39.84,-40.25,-35.92,-40.89	PASS
Band7	20MHz	16QAM	21350	1RB#99	-25.77,-36.85,-35.41,-40.82	PASS
Band7	20MHz	16QAM	21350	100RB#0	-30.40,-30.29,-30.84,-40.13	PASS

Test Graphs

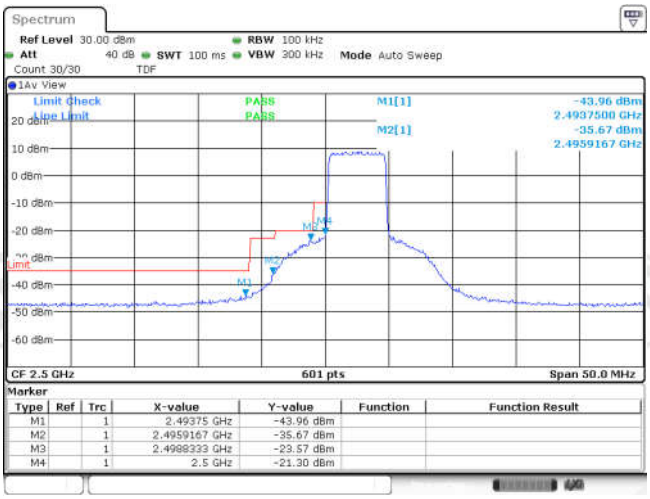
Band7-5MHz-QPSK-20775-1RB#0



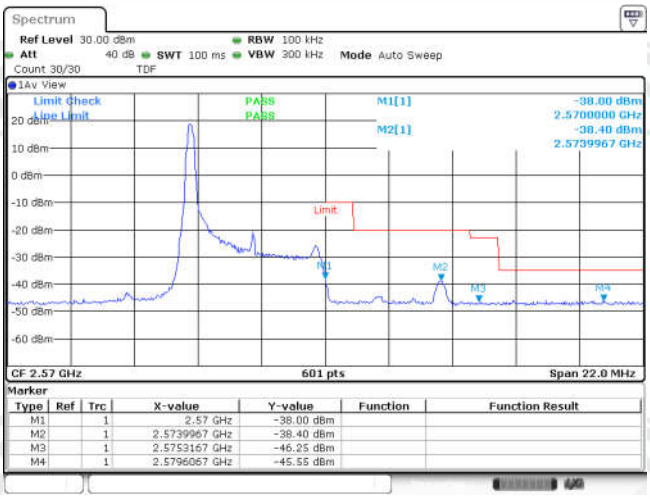
Band7-5MHz-QPSK-20775-1RB#24



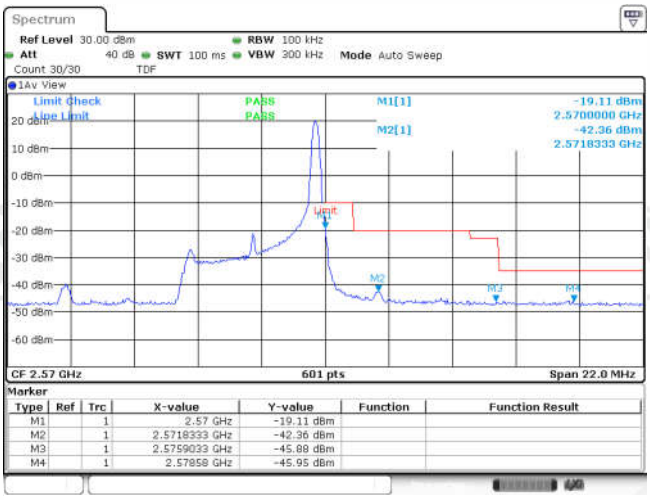
Band7-5MHz-QPSK-20775-25RB#0



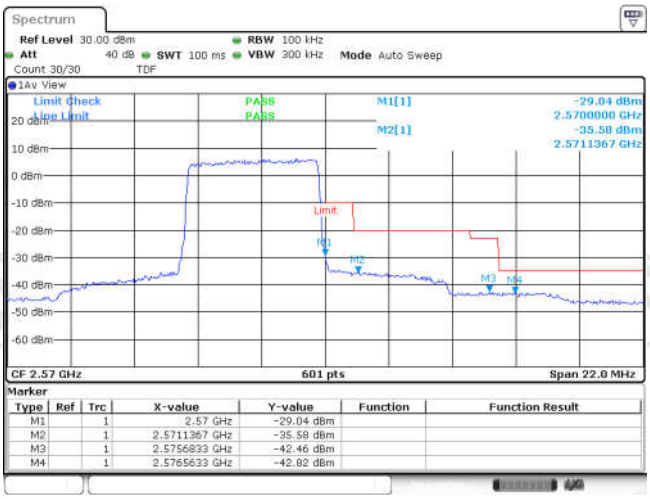
Band7-5MHz-QPSK-21425-1RB#0



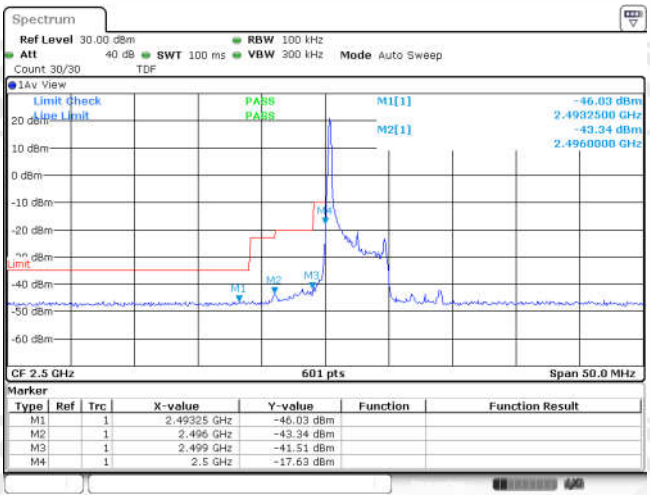
Band7-5MHz-QPSK-21425-1RB#24



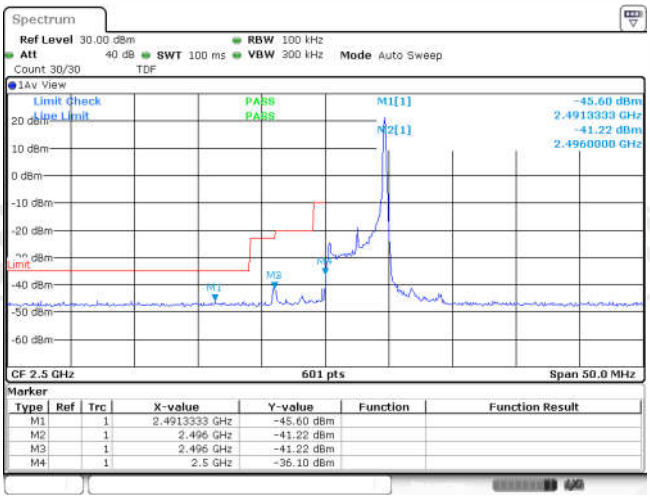
Band7-5MHz-QPSK-21425-25RB#0



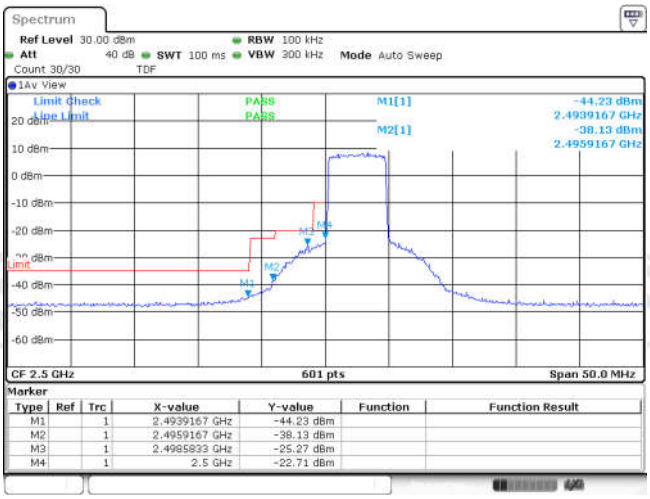
Band7-5MHz-16QAM-20775-1RB#0



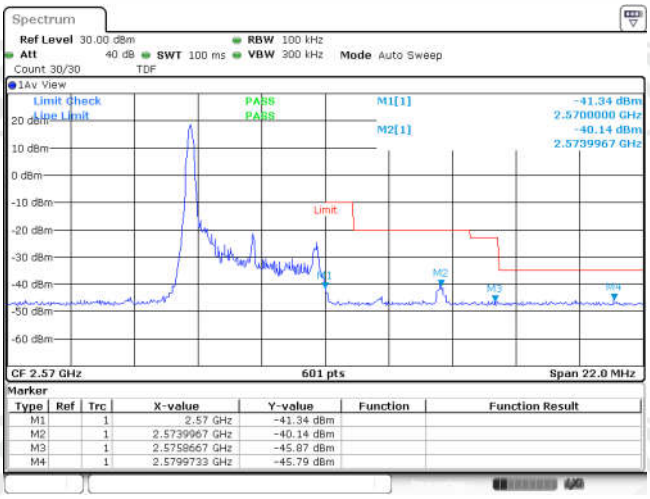
Band7-5MHz-16QAM-20775-1RB#24



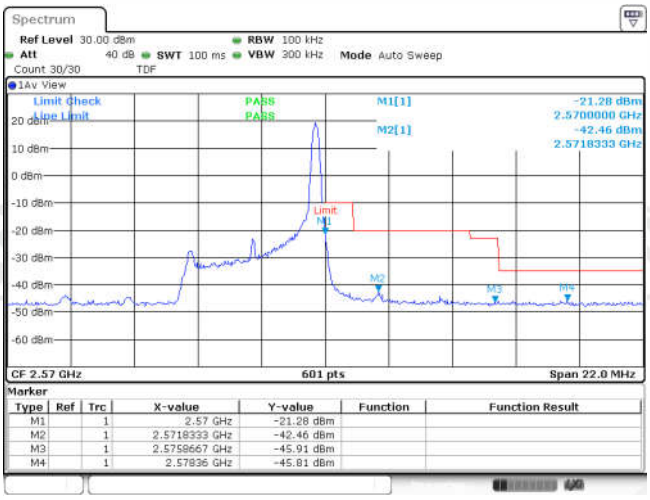
Band7-5MHz-16QAM-20775-25RB#0



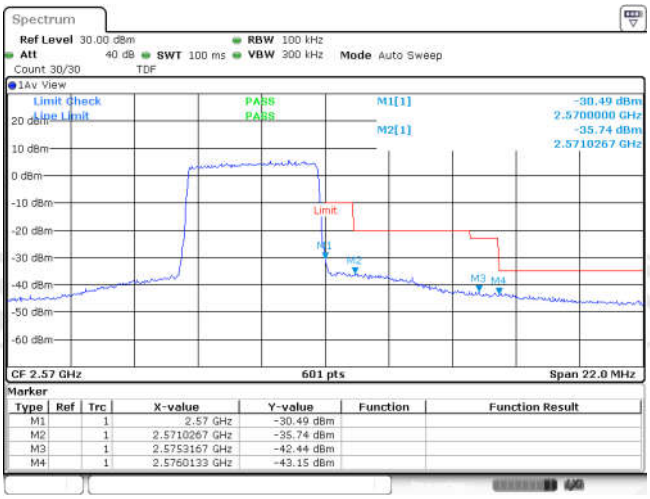
Band7-5MHz-16QAM-21425-1RB#0



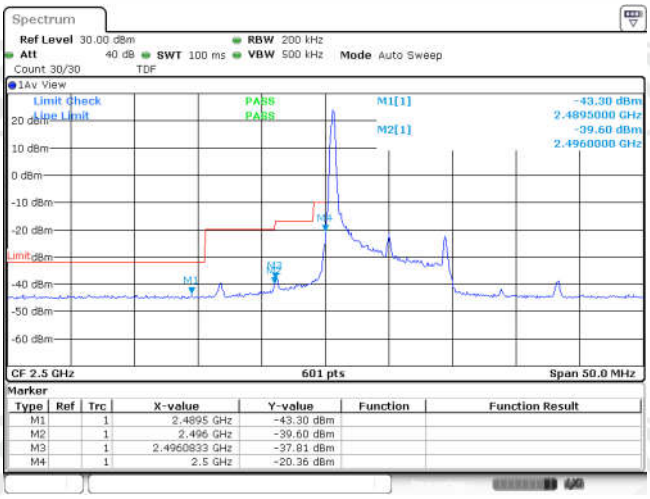
Band7-5MHz-16QAM-21425-1RB#24



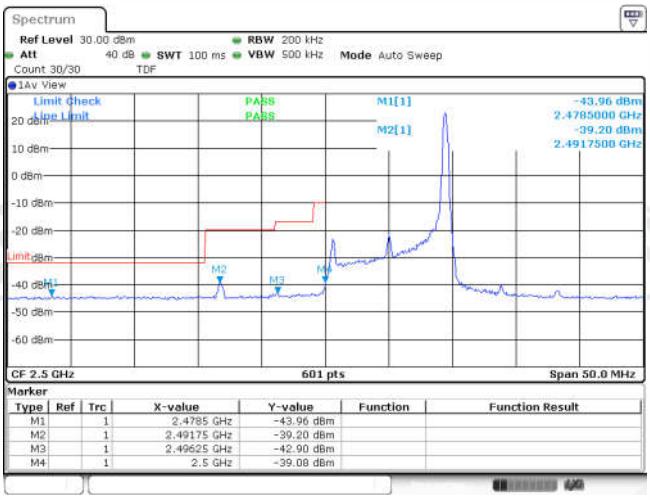
Band7-5MHz-16QAM-21425-25RB#0



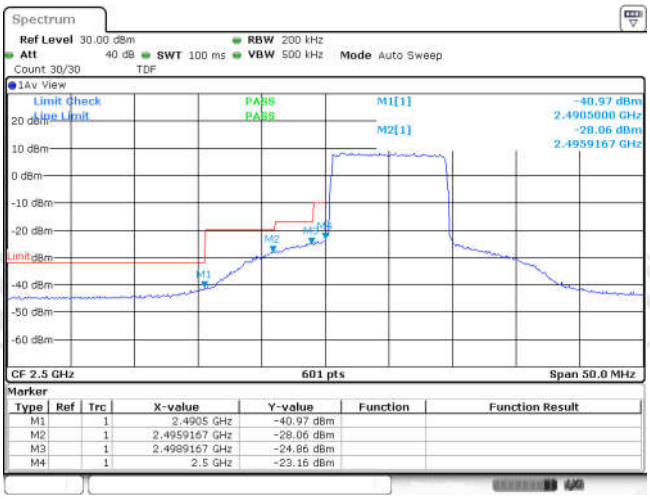
Band7-10MHz-QPSK-20800-1RB#0



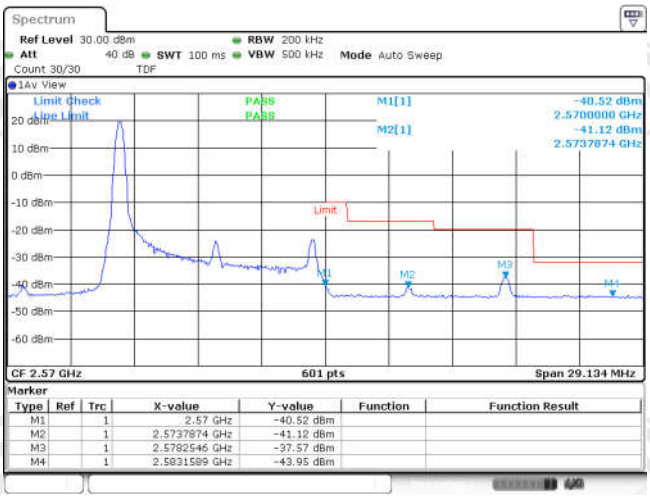
Band7-10MHz-QPSK-20800-1RB#49



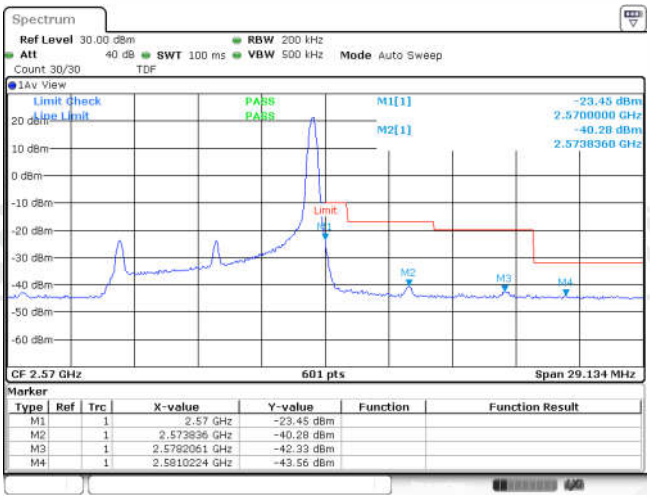
Band7-10MHz-QPSK-20800-50RB#0



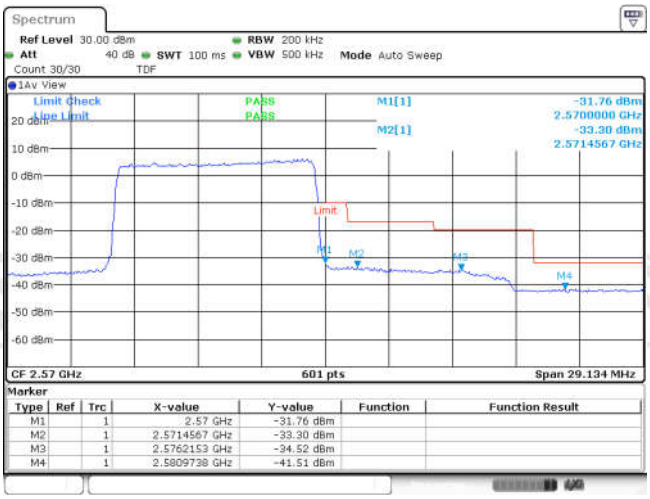
Band7-10MHz-QPSK-21400-1RB#0



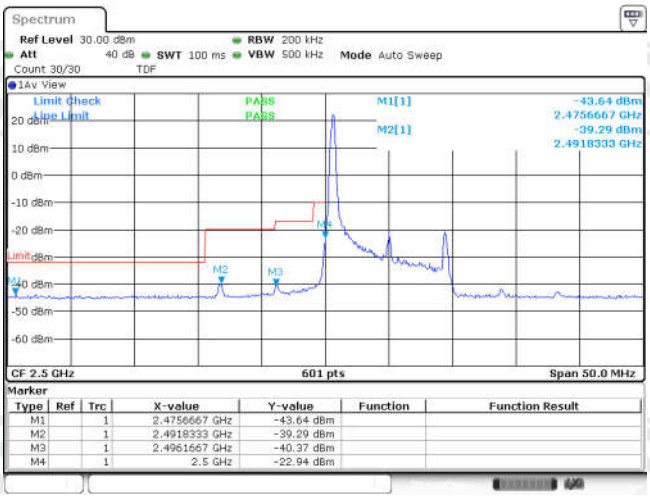
Band7-10MHz-QPSK-21400-1RB#49



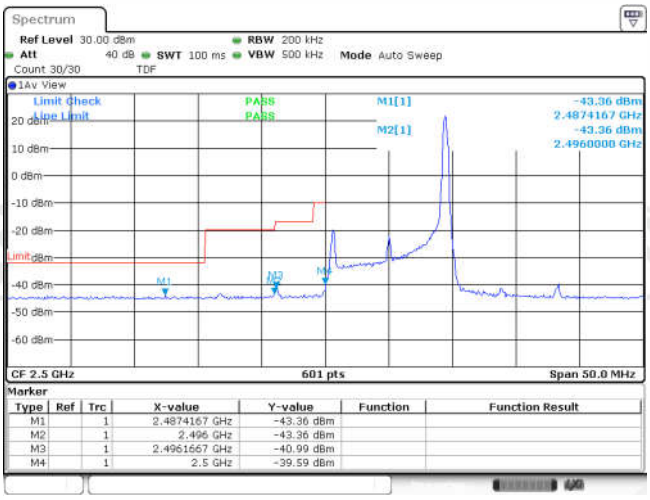
Band7-10MHz-QPSK-21400-50RB#0



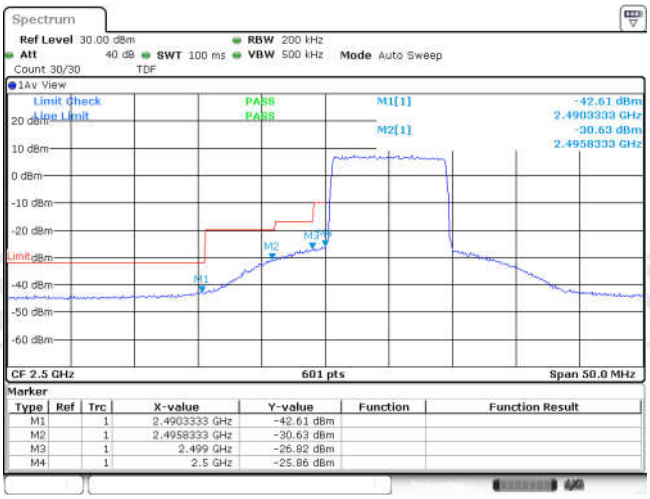
Band7-10MHz-16QAM-20800-1RB#0



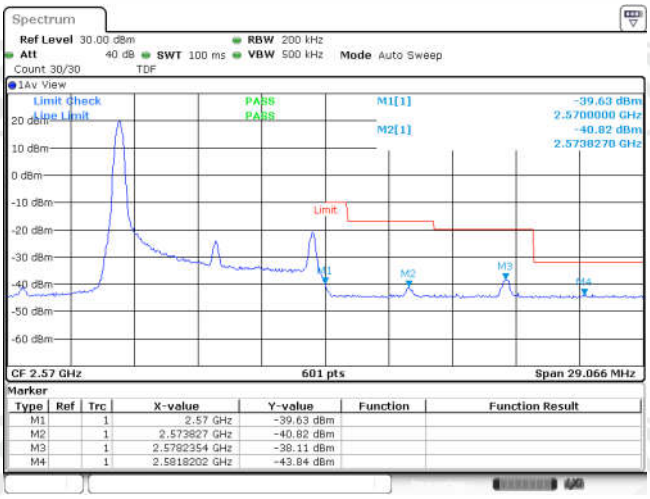
Band7-10MHz-16QAM-20800-1RB#49



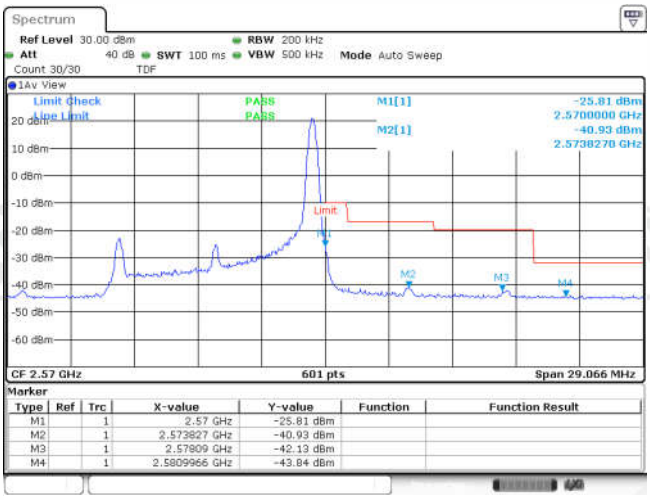
Band7-10MHz-16QAM-20800-50RB#0



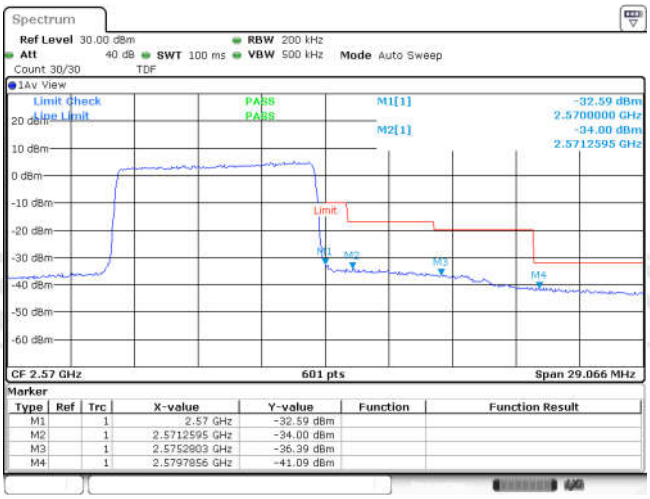
Band7-10MHz-16QAM-21400-1RB#0



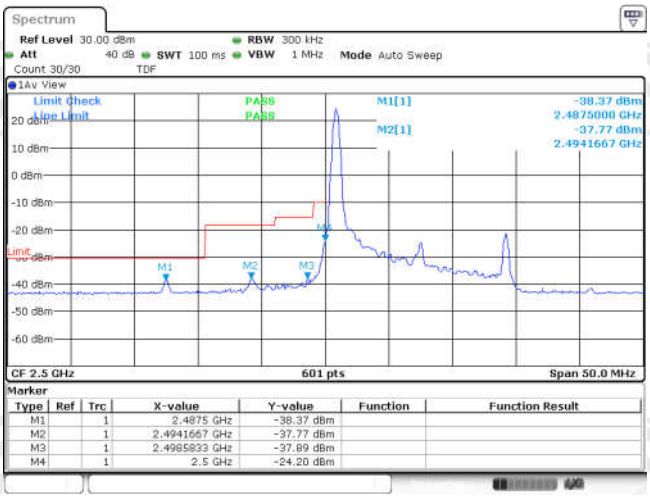
Band7-10MHz-16QAM-21400-1RB#49



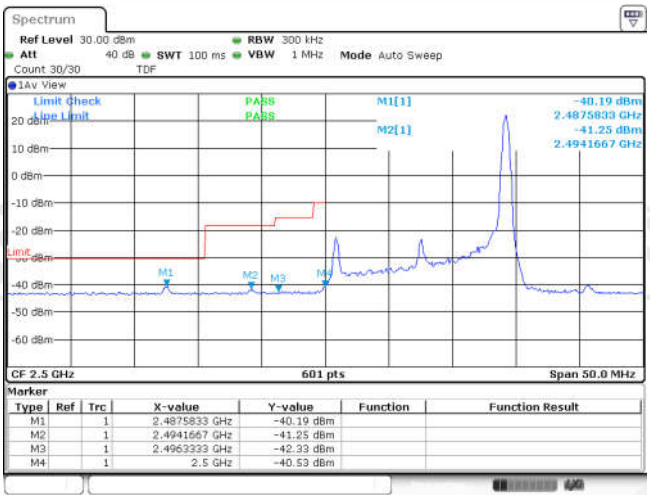
Band7-10MHz-16QAM-21400-50RB#0



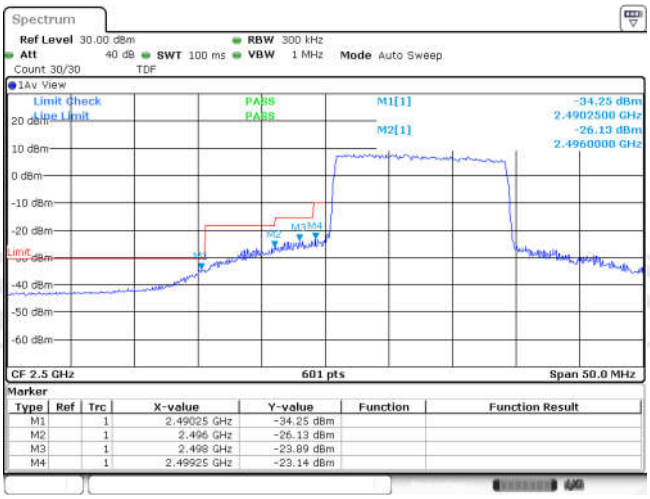
Band7-15MHz-QPSK-20825-1RB#0



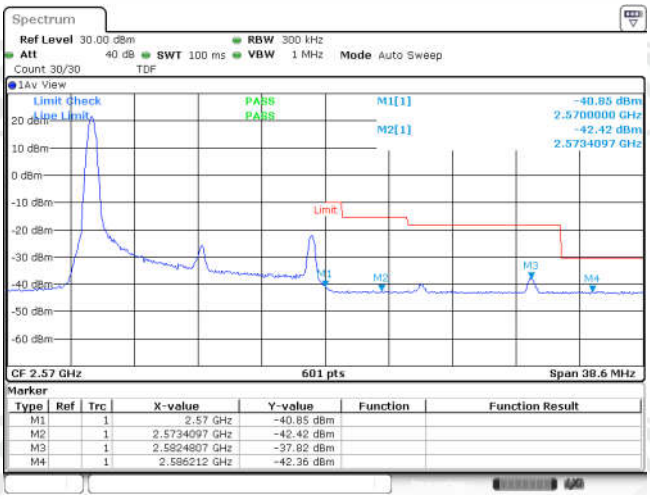
Band7-15MHz-QPSK-20825-1RB#74



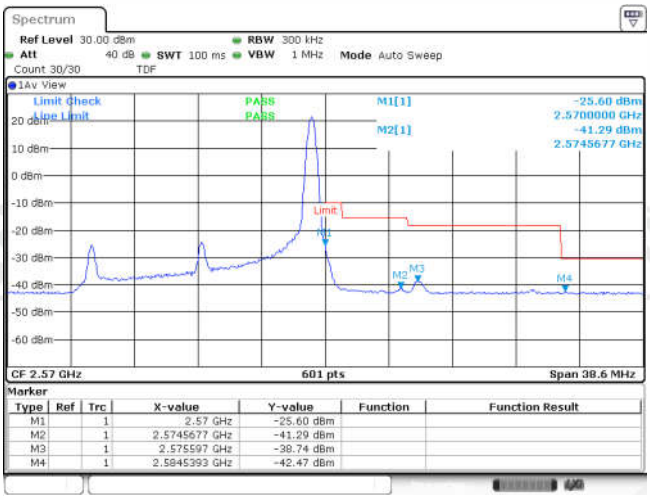
Band7-15MHz-QPSK-20825-75RB#0



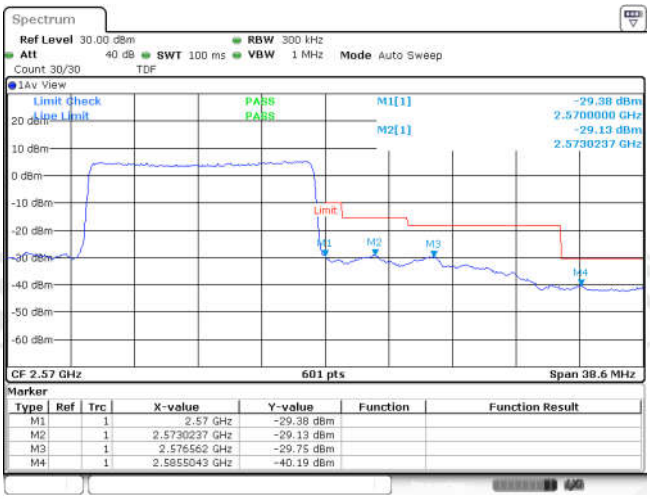
Band7-15MHz-QPSK-21375-1RB#0



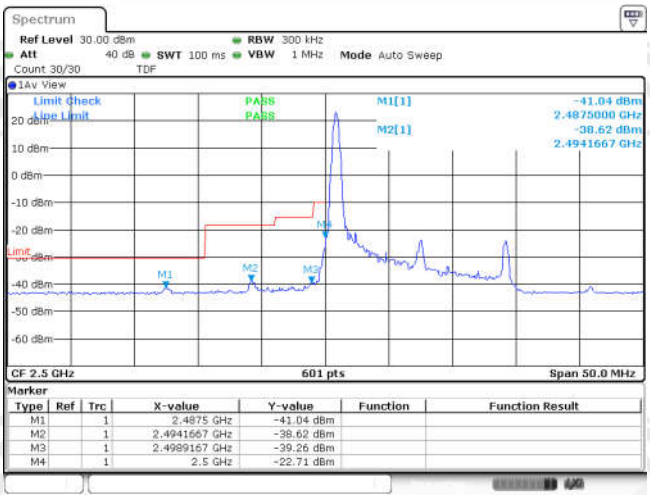
Band7-15MHz-QPSK-21375-1RB#74



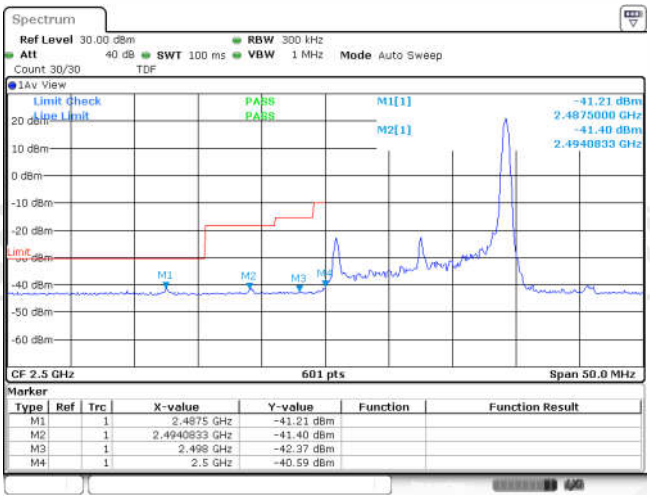
Band7-15MHz-QPSK-21375-75RB#0



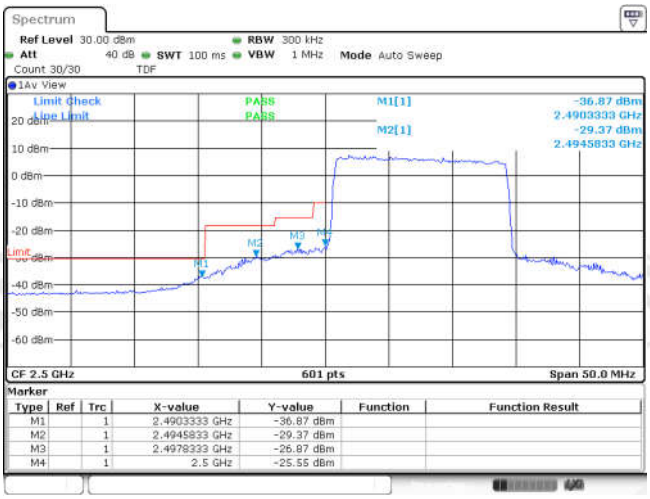
Band7-15MHz-16QAM-20825-1RB#0



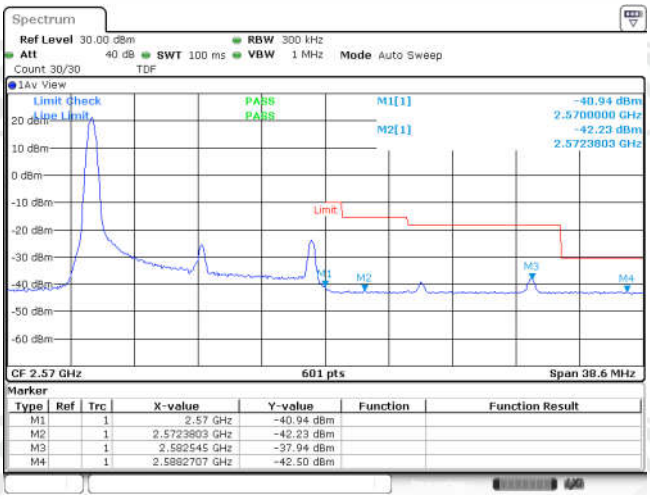
Band7-15MHz-16QAM-20825-1RB#74



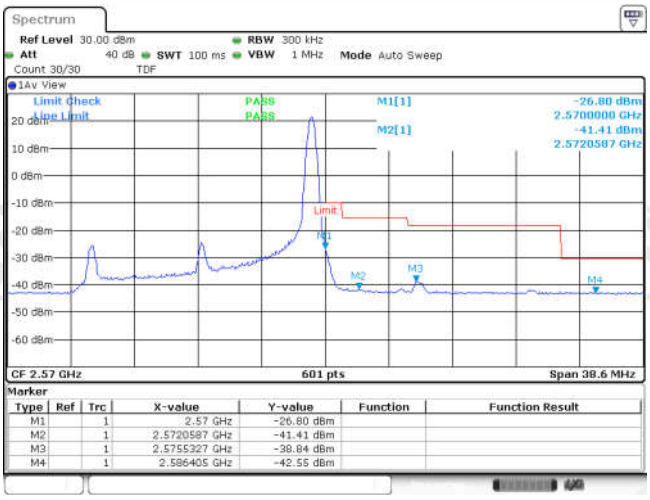
Band7-15MHz-16QAM-20825-75RB#0



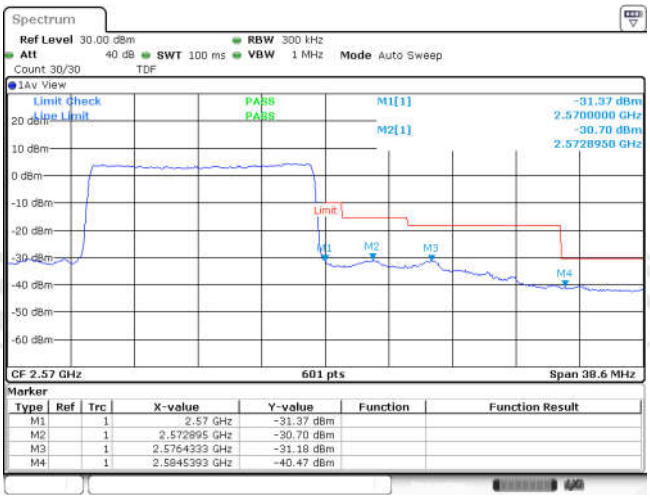
Band7-15MHz-16QAM-21375-1RB#0



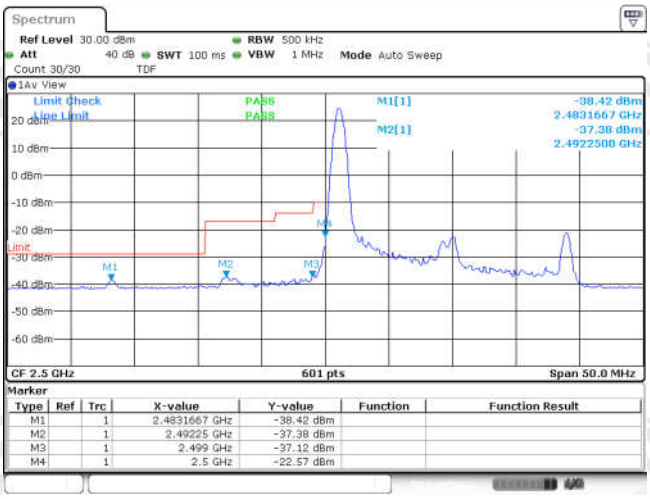
Band7-15MHz-16QAM-21375-1RB#74



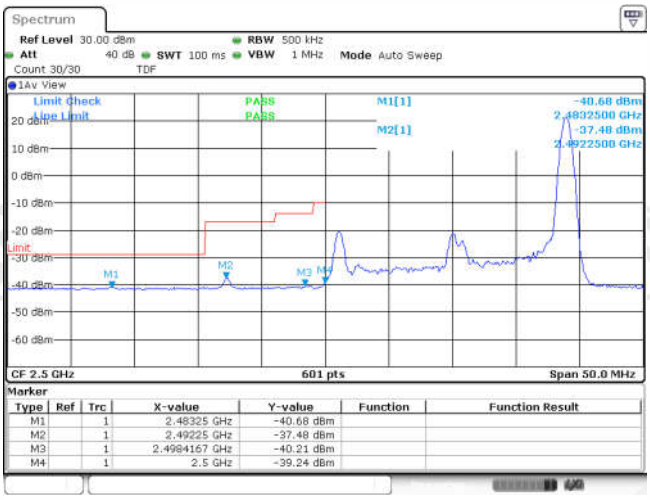
Band7-15MHz-16QAM-21375-75RB#0



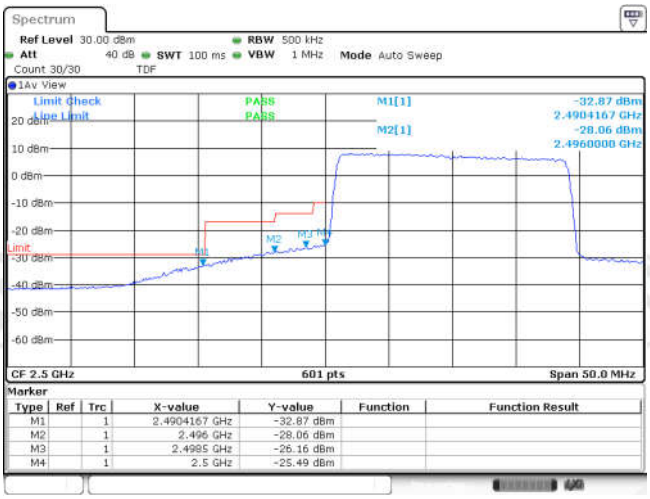
Band7-20MHz-QPSK-20850-1RB#0



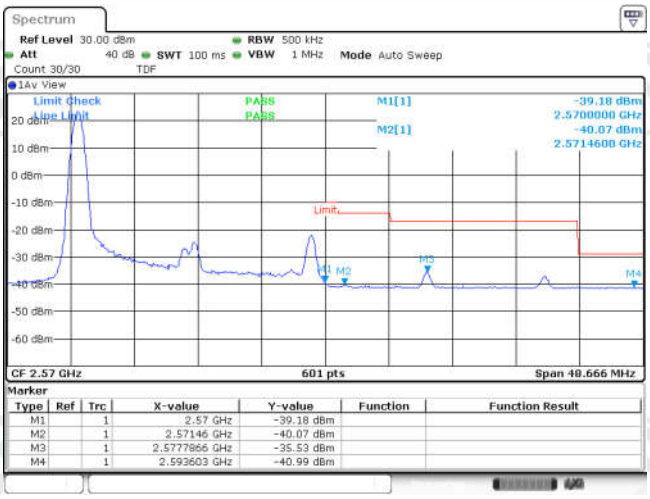
Band7-20MHz-QPSK-20850-1RB#99



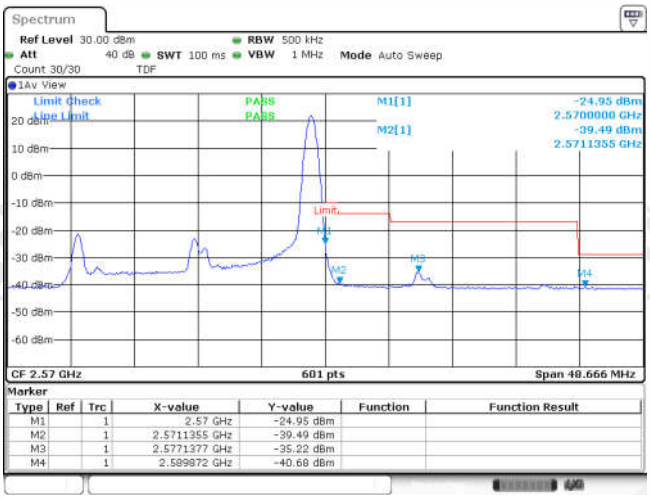
Band7-20MHz-QPSK-20850-100RB#0



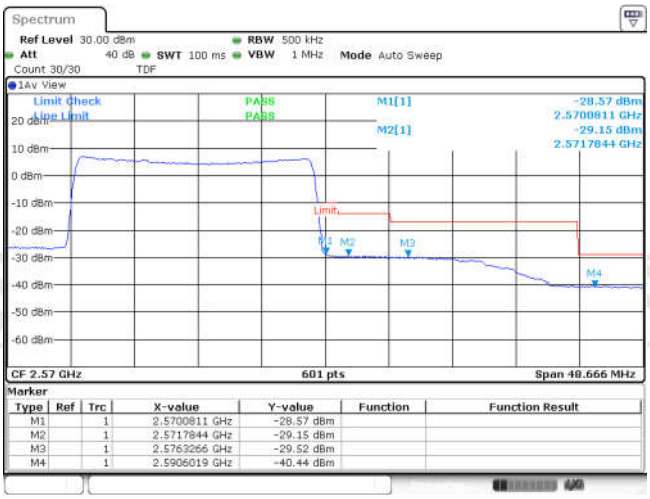
Band7-20MHz-QPSK-21350-1RB#0



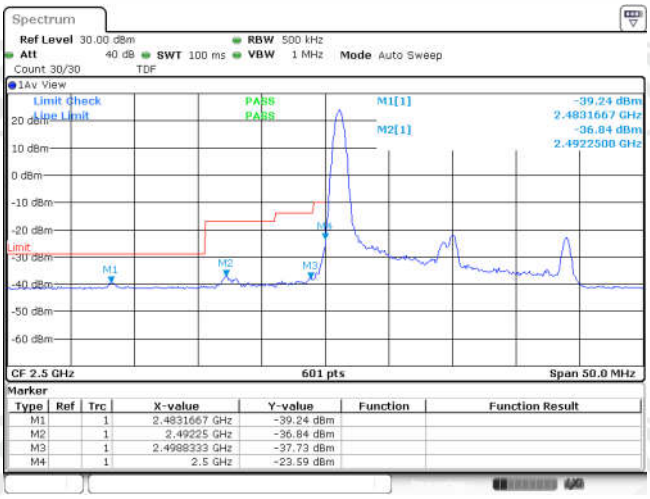
Band7-20MHz-QPSK-21350-1RB#99



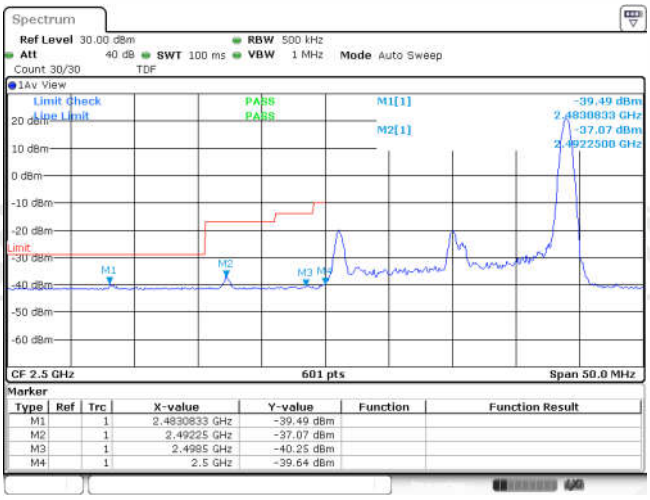
Band7-20MHz-QPSK-21350-100RB#0



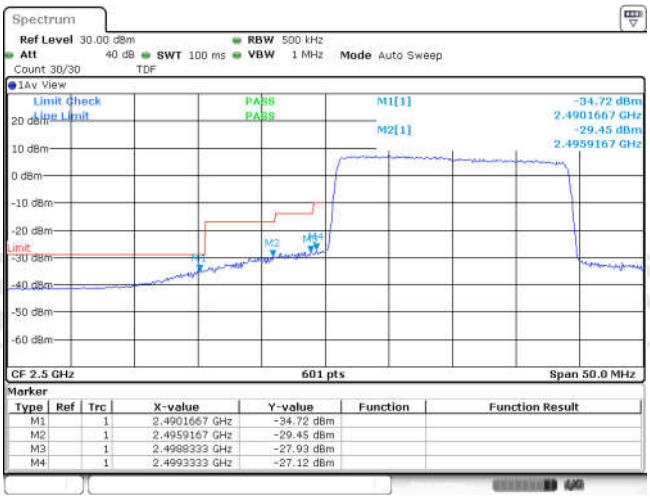
Band7-20MHz-16QAM-20850-1RB#0



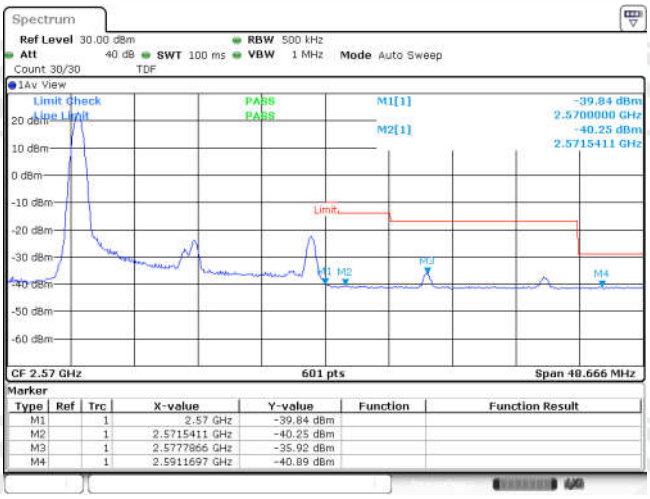
Band7-20MHz-16QAM-20850-1RB#99



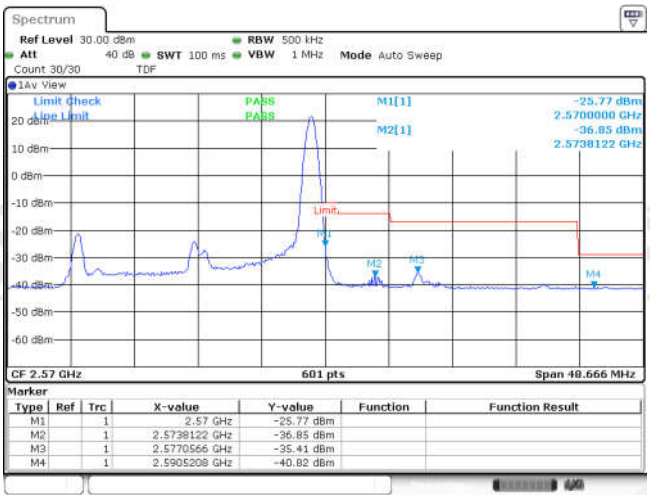
Band7-20MHz-16QAM-20850-100RB#0



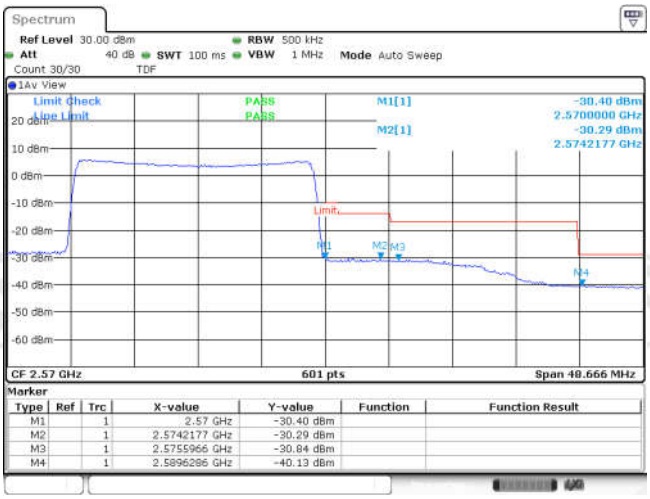
Band7-20MHz-16QAM-21350-1RB#0



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



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


Spectrum
Ref Level 30.00 dBm
RBW 500 kHz
Att 40 dB
SWT 100 ms
VBW 1 MHz
Mode Auto Sweep
Count 30/30
TDF
1Av View
Limit Check PASS
Line Limit PASS
M1[1] -30.40 dBm 2.5700000 GHz
M2[1] -30.29 dBm 2.5742177 GHz
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
Limit
M1
M2
M3
M4
CF 2.57 GHz
601 pts
Span 40.666 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 2.57 GHz -30.40 dBm
M2 1 2.5742177 GHz -30.29 dBm
M3 1 2.5755966 GHz -30.84 dBm
M4 1 2.5896286 GHz -40.13 dBm
Date:19.SEP.2023 06:21:15

Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	Range1:30~1000MHz	-48.06	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range2:1000~3000MHz	-46.81	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range3:3000~26500MHz	-41.6	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-48.66	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range2:1000~3000MHz	-47.34	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range3:3000~26500MHz	-41.71	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:30~1000MHz	-50.1	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range2:1000~3000MHz	-46.64	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range3:3000~26500MHz	-42.23	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range1:30~1000MHz	-47.54	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range2:1000~3000MHz	-47.38	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range3:3000~26500MHz	-42.32	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-48.36	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range2:1000~3000MHz	-46.89	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range3:3000~26500MHz	-41.4	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range1:30~1000MHz	-49.74	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range2:1000~3000MHz	-47.1	PASS

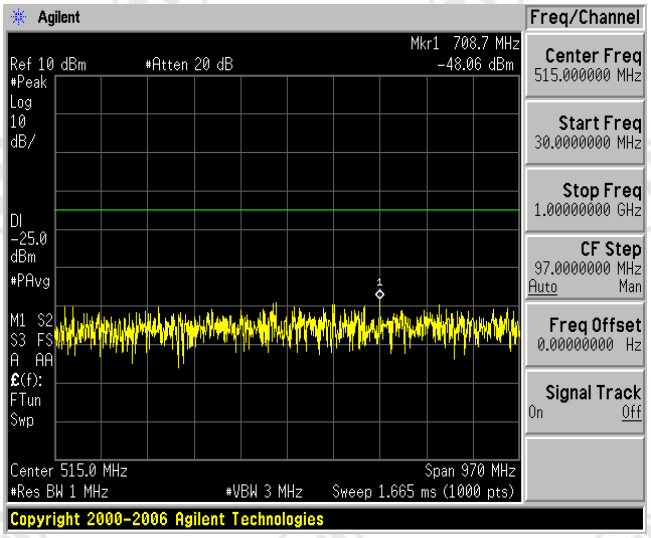
Band7	5MHz	16QAM	21425	1RB#0	Range3:3000~26500MHz	-41.97	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range1:30~1000MHz	-49.07	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range2:1000~3000MHz	-45.47	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range3:3000~26500MHz	-42.25	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-49.5	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range2:1000~3000MHz	-46.44	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range3:3000~26500MHz	-42.96	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range1:30~1000MHz	-47.43	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range2:1000~3000MHz	-47.67	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range3:3000~26500MHz	-42.15	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range1:30~1000MHz	-48.86	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range2:1000~3000MHz	-47.05	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range3:3000~26500MHz	-42.03	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-49.42	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range2:1000~3000MHz	-47.6	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range3:3000~26500MHz	-41.44	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range1:30~1000MHz	-48.15	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range2:1000~3000MHz	-46.89	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range3:3000~26500MHz	-41.78	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range1:30~1000MHz	-49.18	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range2:1000~3000MHz	-46.91	PASS

Band7	15MHz	QPSK	20825	1RB#0	Range3:3000~26500MHz	-42.38	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-49.85	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range2:1000~3000MHz	-47	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range3:3000~26500MHz	-41.64	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range1:30~1000MHz	-48.53	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range2:1000~3000MHz	-47.24	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range3:3000~26500MHz	-42.05	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range1:30~1000MHz	-49.23	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range2:1000~3000MHz	-47.21	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range3:3000~26500MHz	-42.09	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-48.77	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range2:1000~3000MHz	-46.25	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range3:3000~26500MHz	-42.34	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range1:30~1000MHz	-48.92	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range2:1000~3000MHz	-46.43	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range3:3000~26500MHz	-42.32	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range1:30~1000MHz	-48.59	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range2:1000~3000MHz	-47.03	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range3:3000~26500MHz	-41.15	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-49.28	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range2:1000~3000MHz	-46.93	PASS

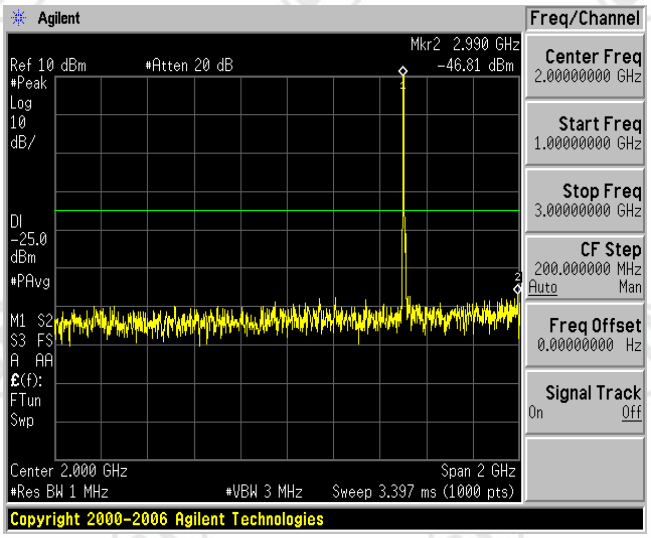
Band7	20MHz	QPSK	21100	1RB#0	Range3:3000~26500MHz	-42.11	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:30~1000MHz	-48.58	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range2:1000~3000MHz	-47.28	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range3:3000~26500MHz	-42.12	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:30~1000MHz	-48.68	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range2:1000~3000MHz	-46.84	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range3:3000~26500MHz	-42.82	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-49.41	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range2:1000~3000MHz	-46.98	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range3:3000~26500MHz	-42.79	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:30~1000MHz	-49.02	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range2:1000~3000MHz	-47.59	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range3:3000~26500MHz	-42.95	PASS

Test Graphs

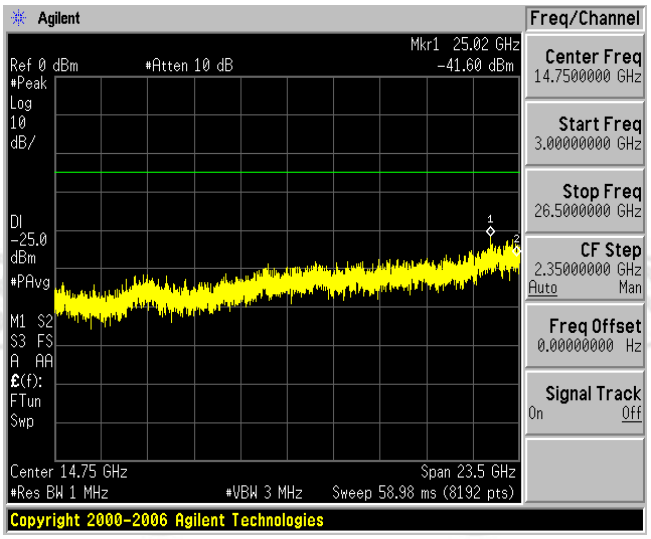
Band7-5MHz-QPSK-20775-1RB#0-Range1:30~1000MHz



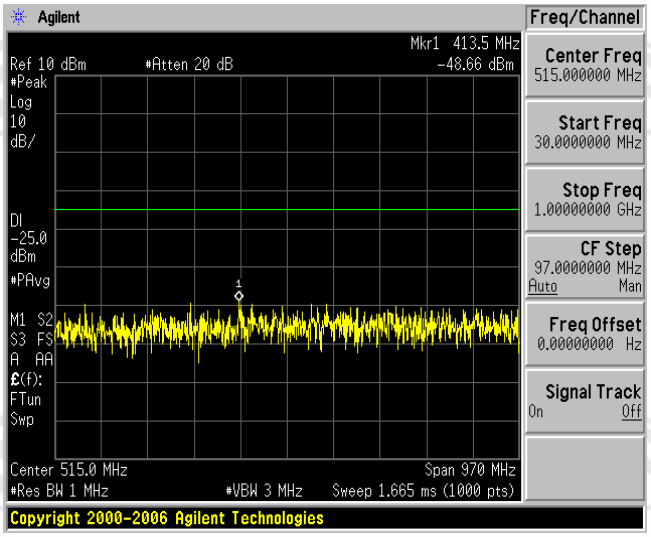
Band7-5MHz-QPSK-20775-1RB#0-Range2:1000~3000MHz



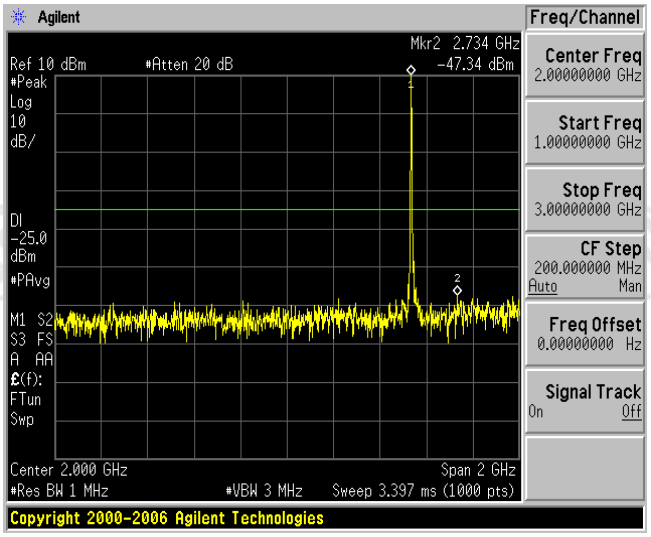
Band7-5MHz-QPSK-20775-1RB#0-Range3:3000~26500MHz



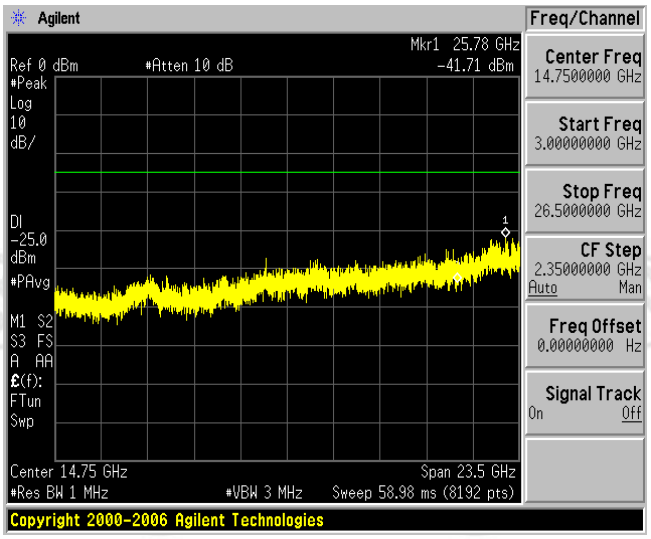
Band7-5MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



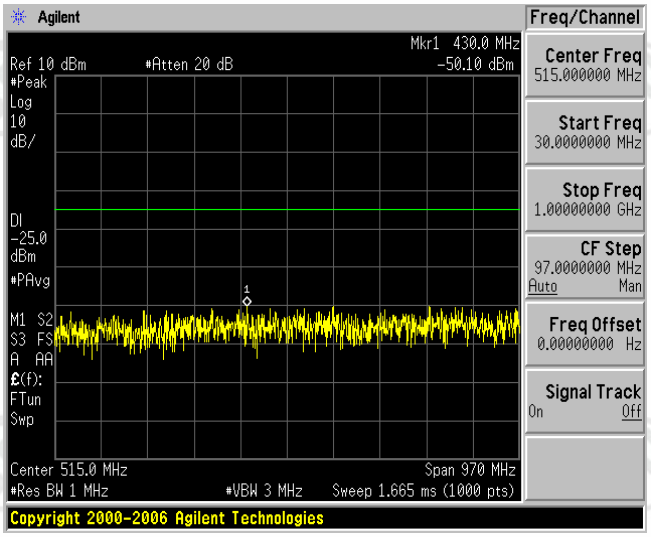
Band7-5MHz-QPSK-21100-1RB#0-Range2:1000~3000MHz



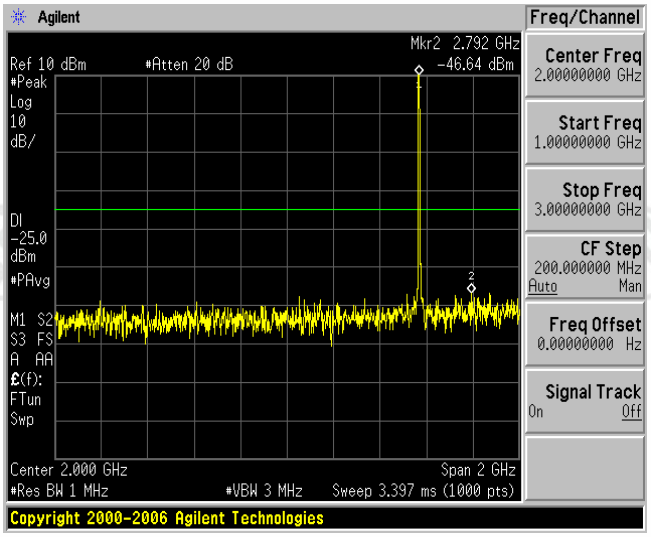
Band7-5MHz-QPSK-21100-1RB#0-Range3:3000~26500MHz



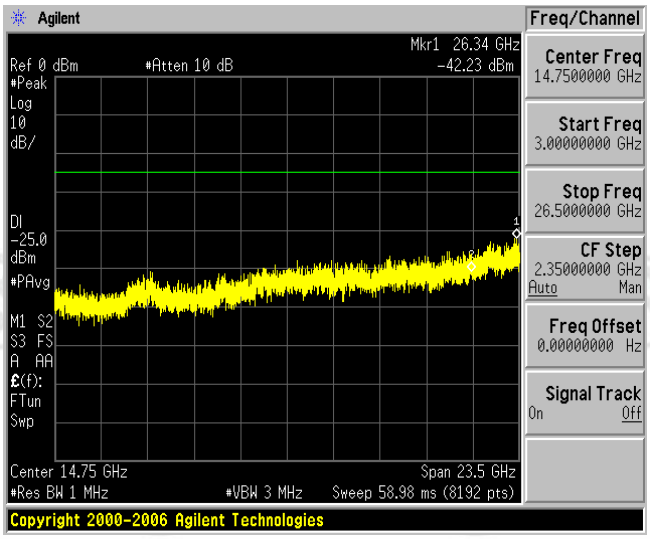
Band7-5MHz-QPSK-21425-1RB#0-Range1:30~1000MHz



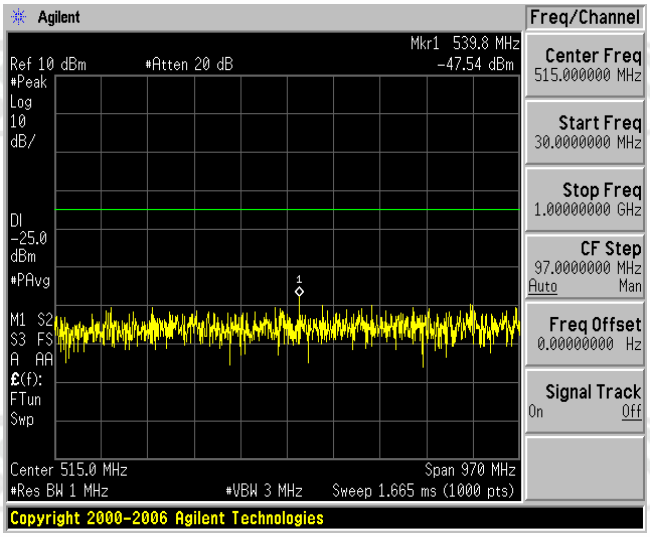
Band7-5MHz-QPSK-21425-1RB#0-Range2:1000~3000MHz



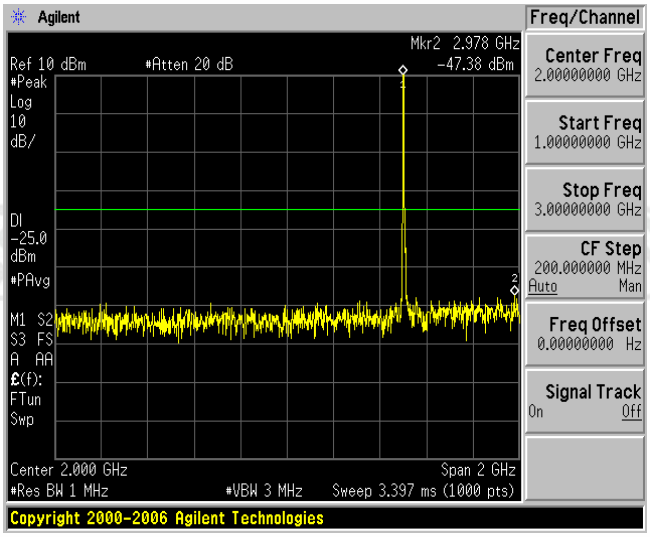
Band7-5MHz-QPSK-21425-1RB#0-Range3:3000~26500MHz



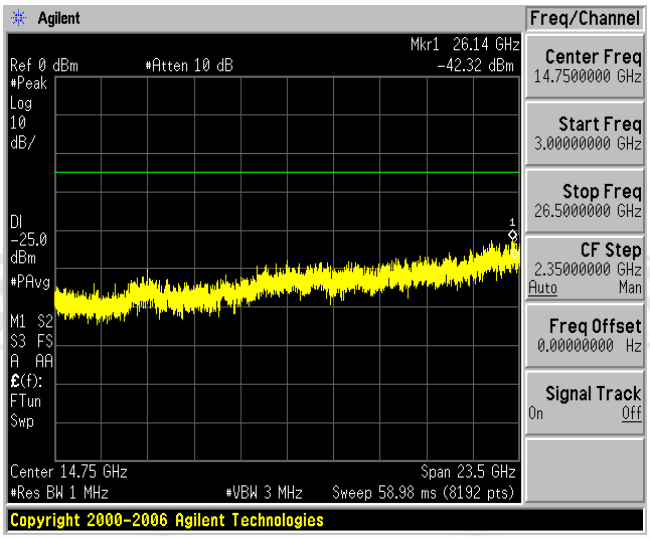
Band7-5MHz-16QAM-20775-1RB#0-Range1:30~1000MHz



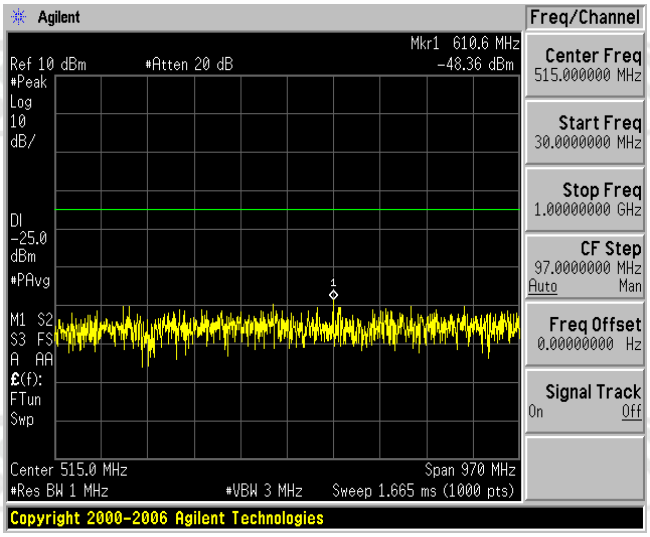
Band7-5MHz-16QAM-20775-1RB#0-Range2:1000~3000MHz



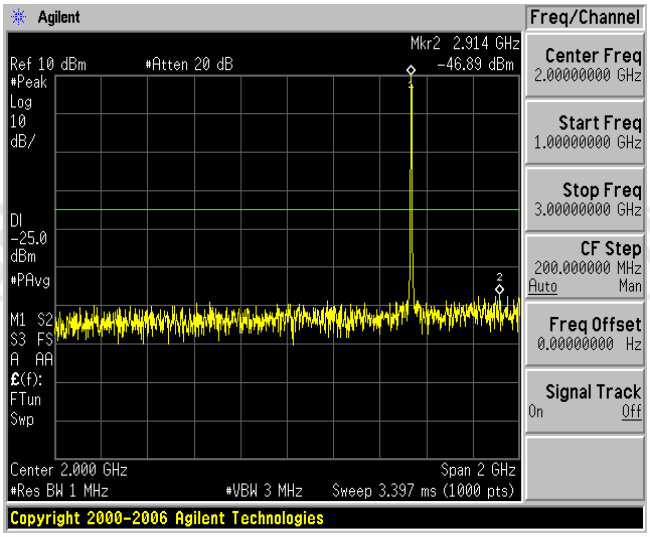
Band7-5MHz-16QAM-20775-1RB#0-Range3:3000~26500MHz



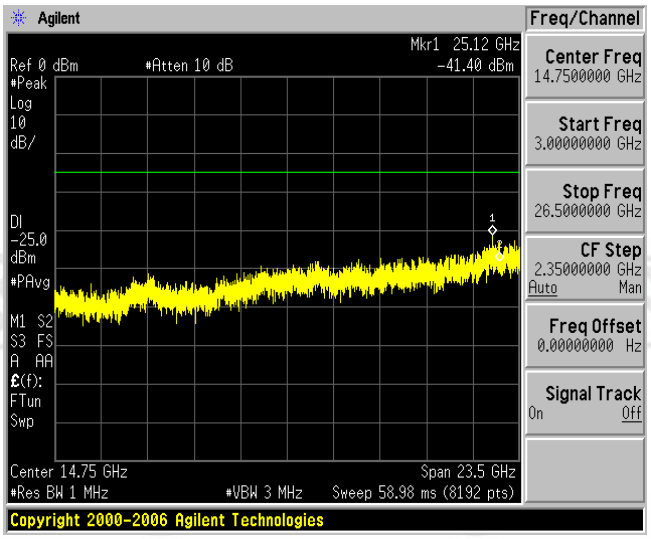
Band7-5MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



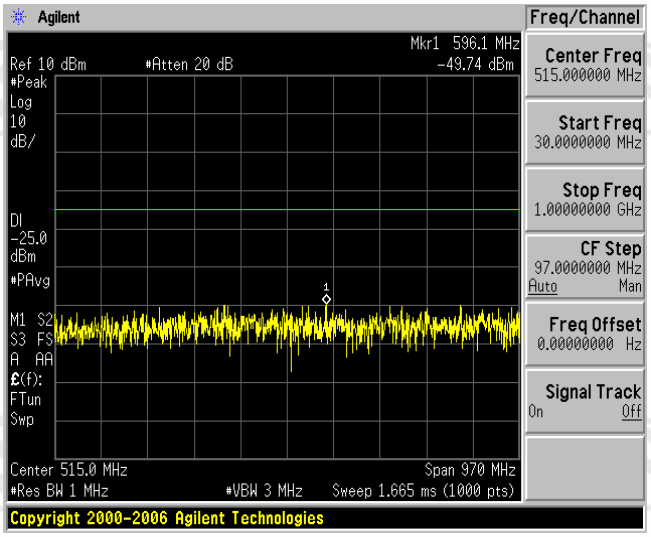
Band7-5MHz-16QAM-21100-1RB#0-Range2:1000~3000MHz



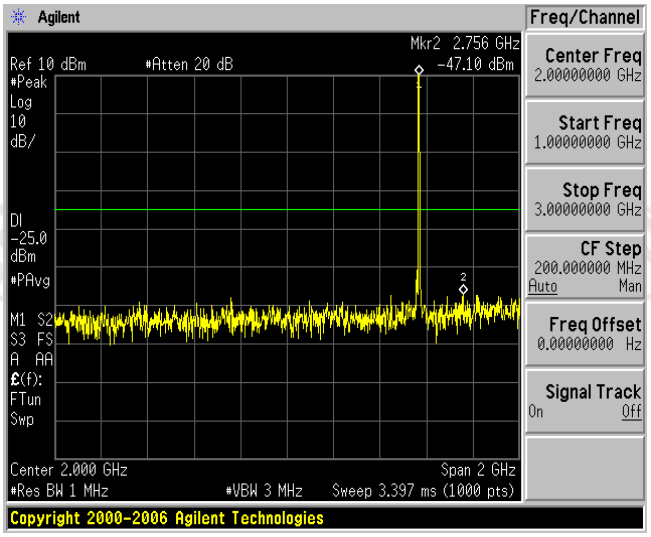
Band7-5MHz-16QAM-21100-1RB#0-Range3:3000~26500MHz



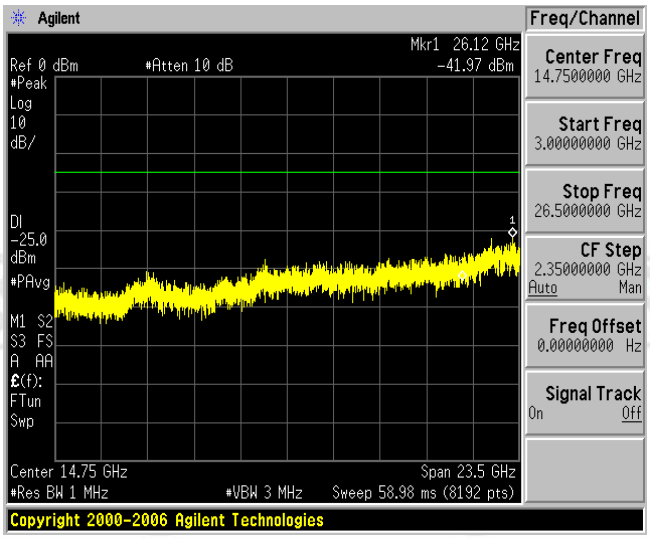
Band7-5MHz-16QAM-21425-1RB#0-Range1:30~1000MHz



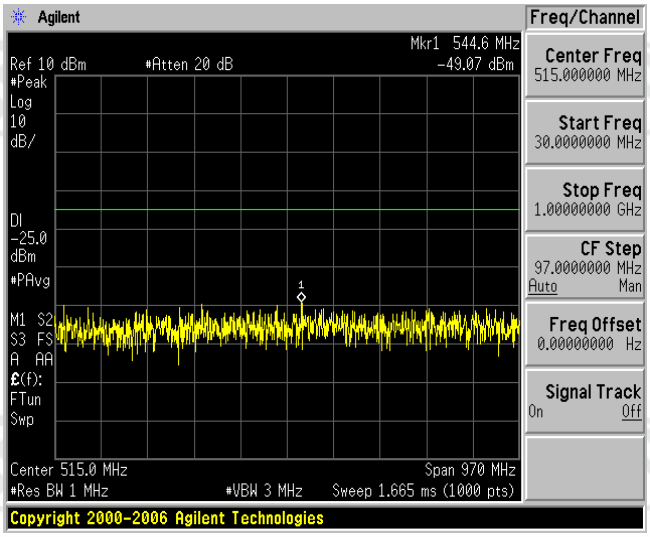
Band7-5MHz-16QAM-21425-1RB#0-Range2:1000~3000MHz



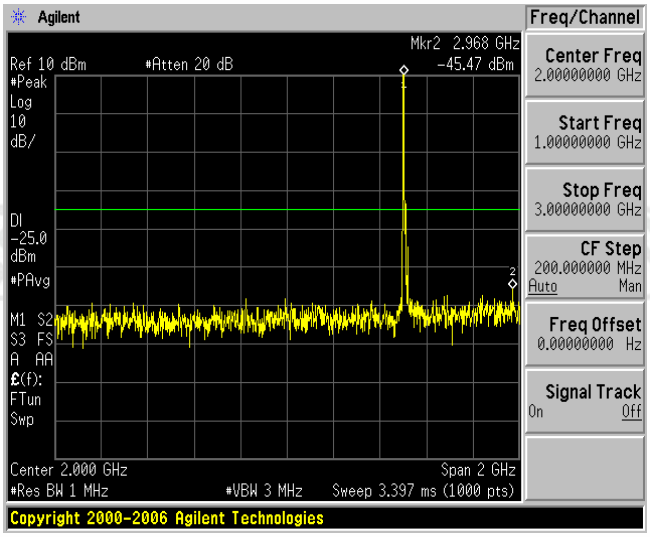
Band7-5MHz-16QAM-21425-1RB#0-Range3:3000~26500MHz



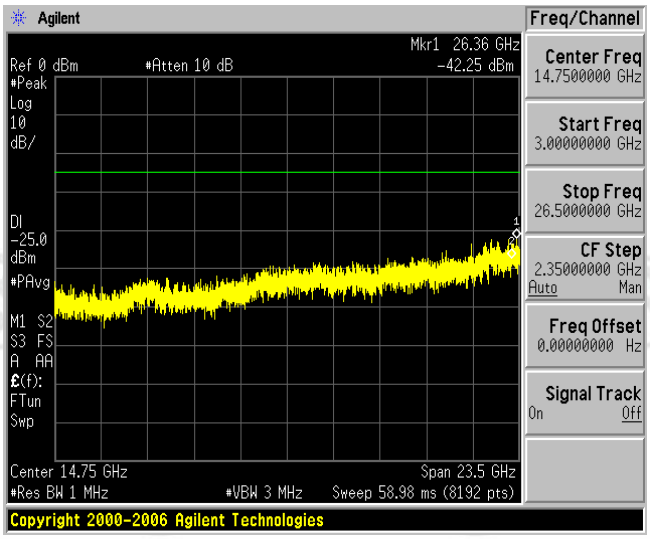
Band7-10MHz-QPSK-20800-1RB#0-Range1:30~1000MHz



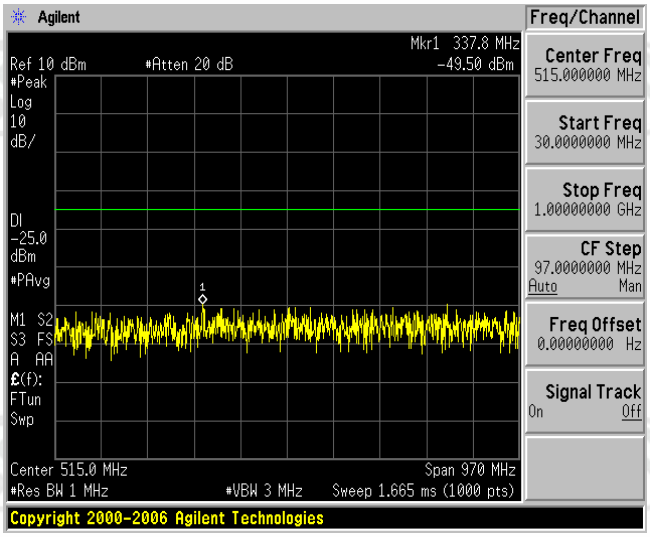
Band7-10MHz-QPSK-20800-1RB#0-Range2:1000~3000MHz



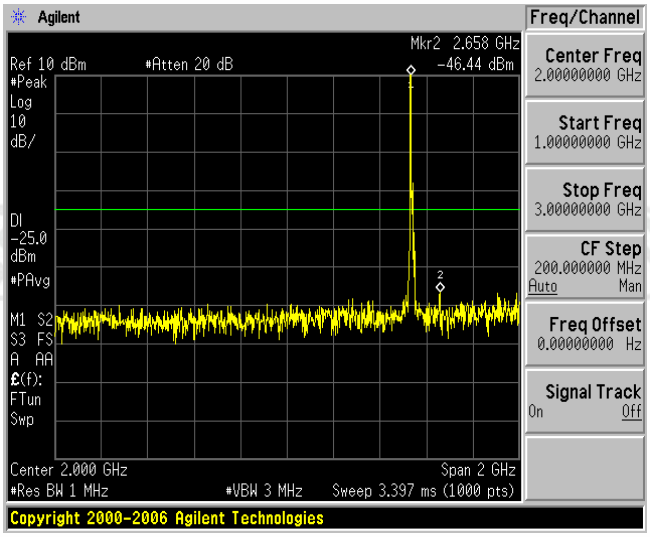
Band7-10MHz-QPSK-20800-1RB#0-Range3:3000~26500MHz



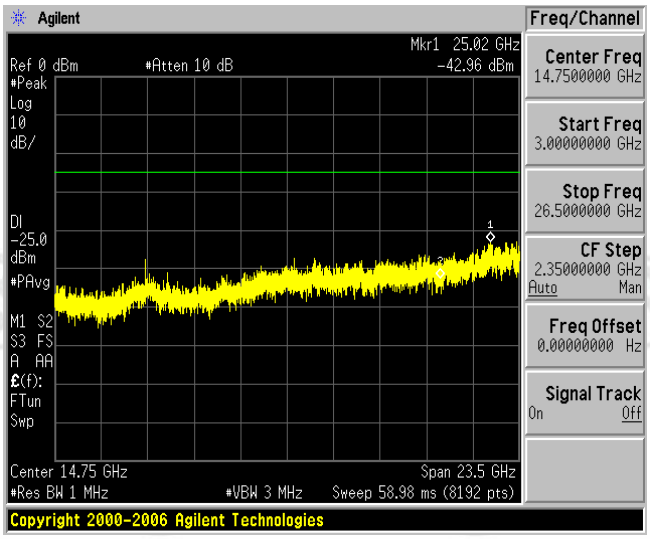
Band7-10MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



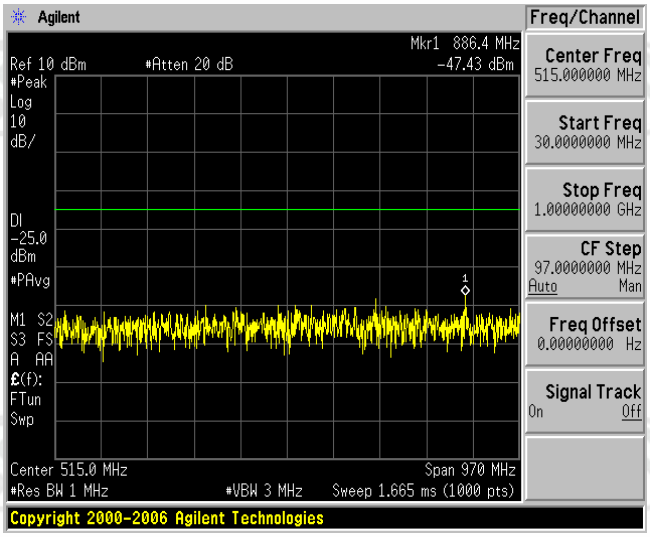
Band7-10MHz-QPSK-21100-1RB#0-Range2:1000~3000MHz



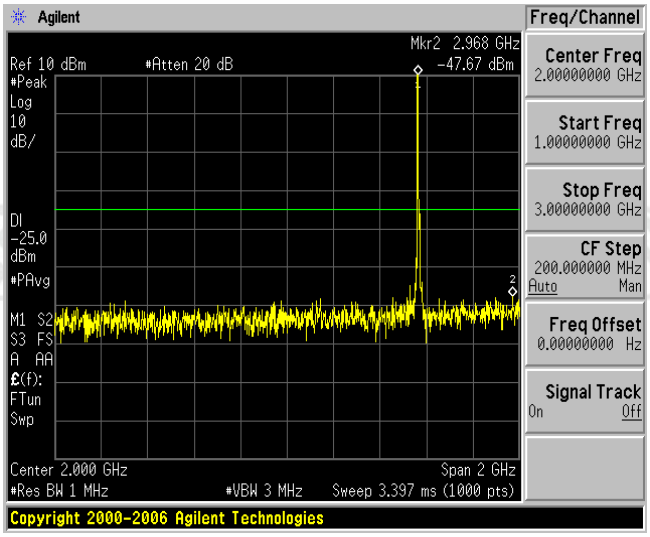
Band7-10MHz-QPSK-21100-1RB#0-Range3:3000~26500MHz



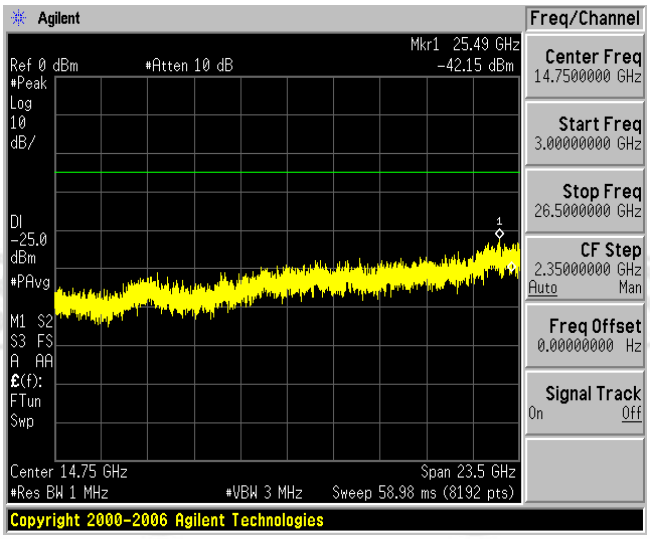
Band7-10MHz-QPSK-21400-1RB#0-Range1:30~1000MHz



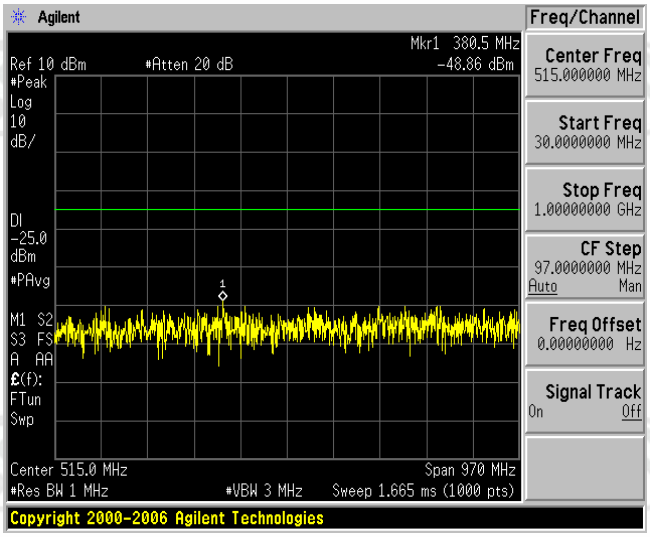
Band7-10MHz-QPSK-21400-1RB#0-Range2:1000~3000MHz



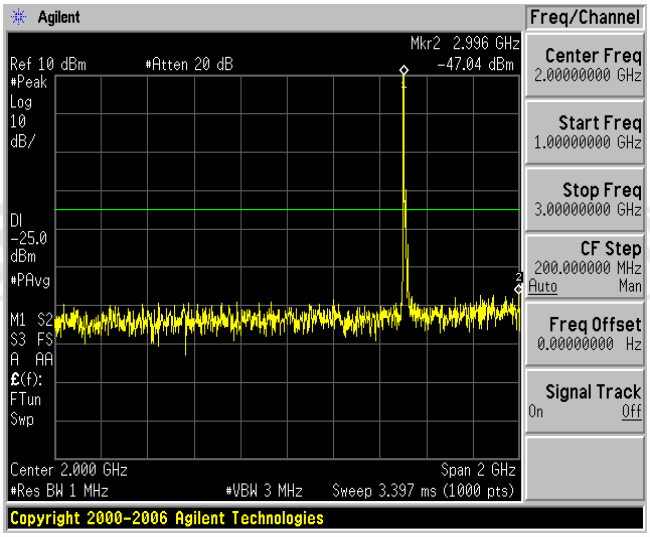
Band7-10MHz-QPSK-21400-1RB#0-Range3:3000~26500MHz



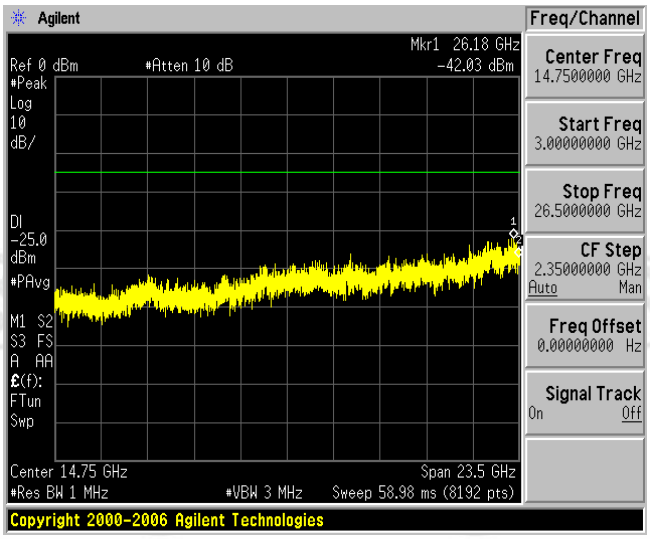
Band7-10MHz-16QAM-20800-1RB#0-Range1:30~1000MHz



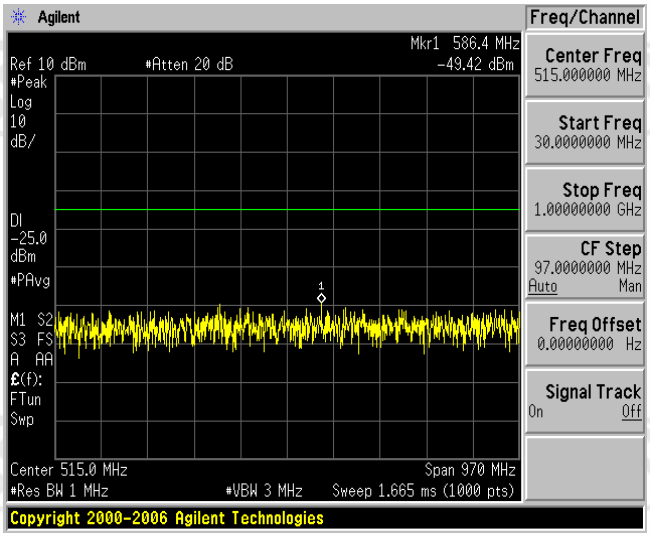
Band7-10MHz-16QAM-20800-1RB#0-Range2:1000~3000MHz



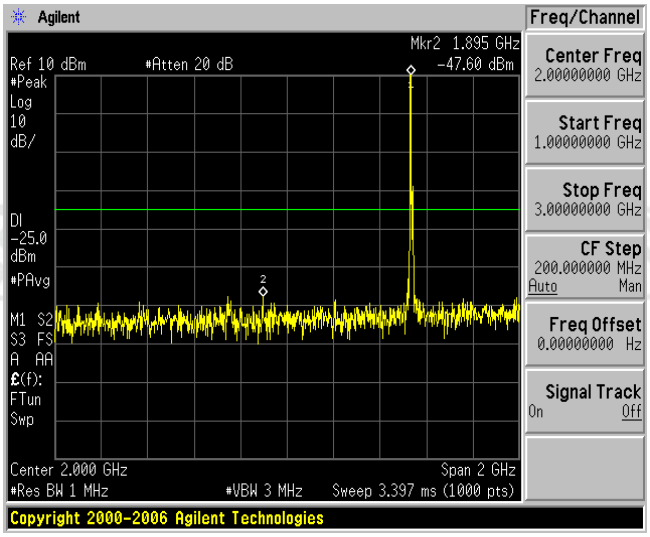
Band7-10MHz-16QAM-20800-1RB#0-Range3:3000~26500MHz



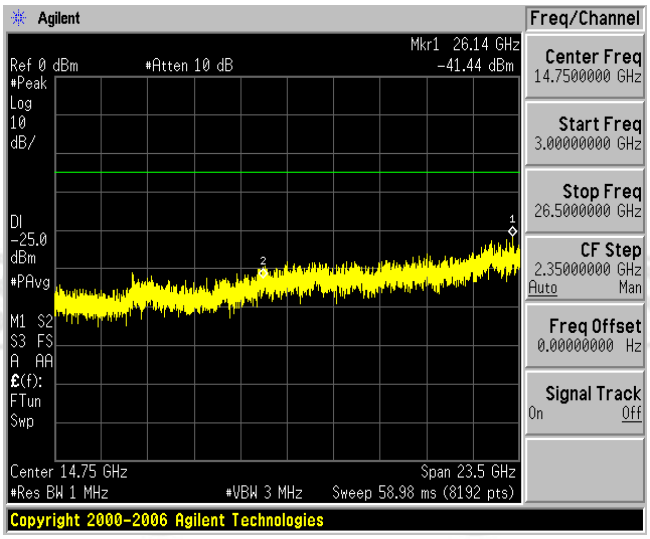
Band7-10MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



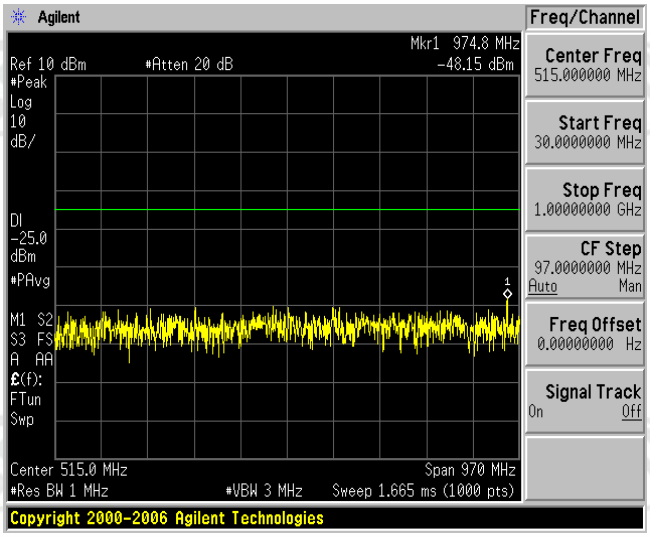
Band7-10MHz-16QAM-21100-1RB#0-Range2:1000~3000MHz



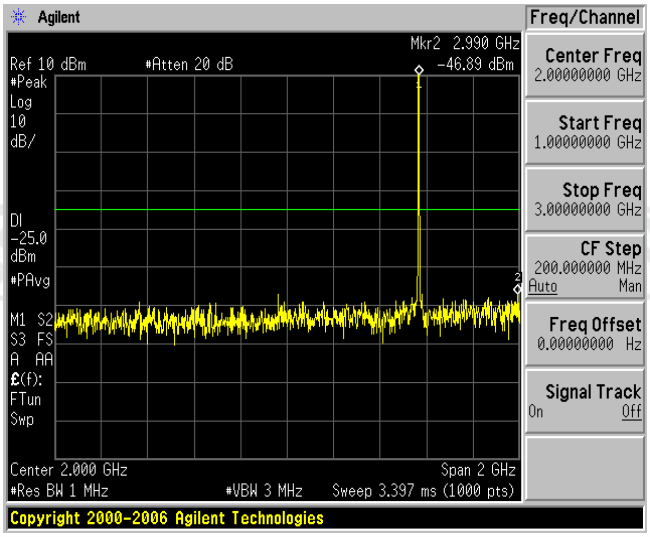
Band7-10MHz-16QAM-21100-1RB#0-Range3:3000~26500MHz



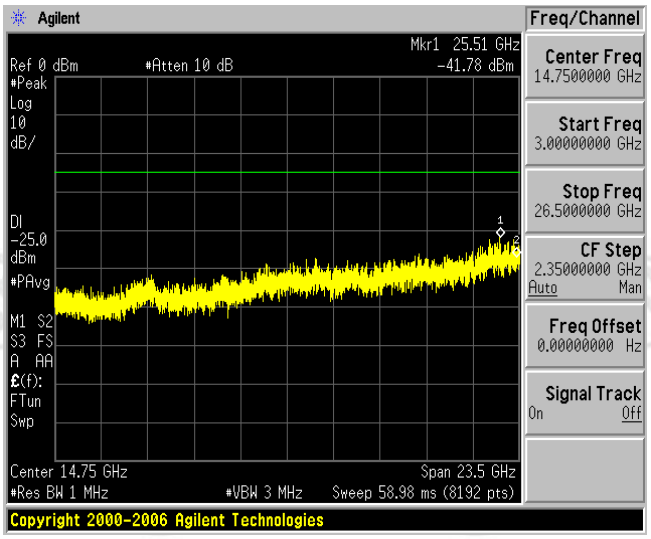
Band7-10MHz-16QAM-21400-1RB#0-Range1:30~1000MHz



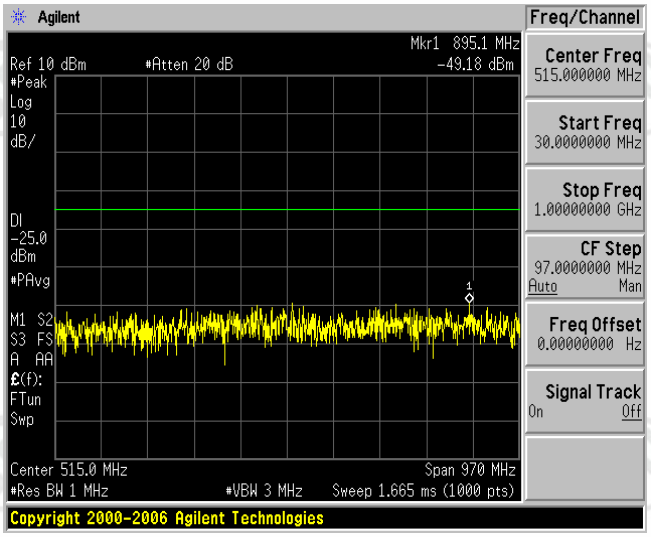
Band7-10MHz-16QAM-21400-1RB#0-Range2:1000~3000MHz



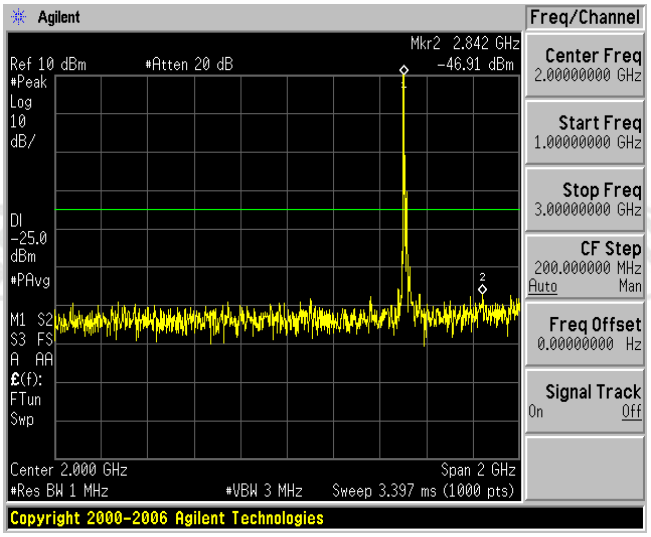
Band7-10MHz-16QAM-21400-1RB#0-Range3:3000~26500MHz



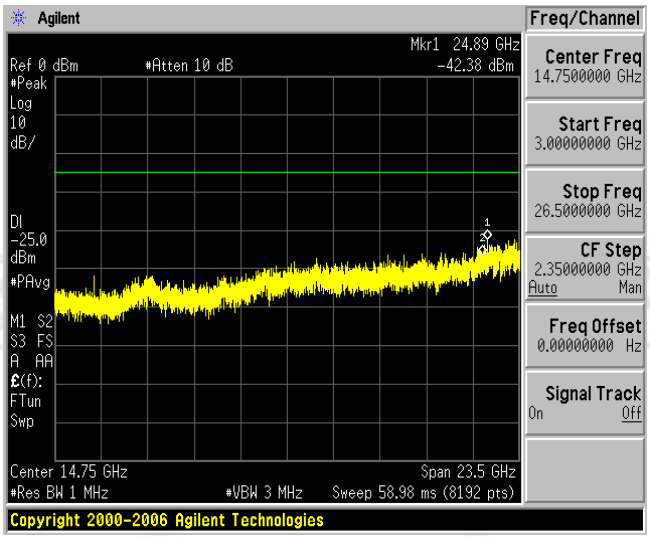
Band7-15MHz-QPSK-20825-1RB#0-Range1:30~1000MHz



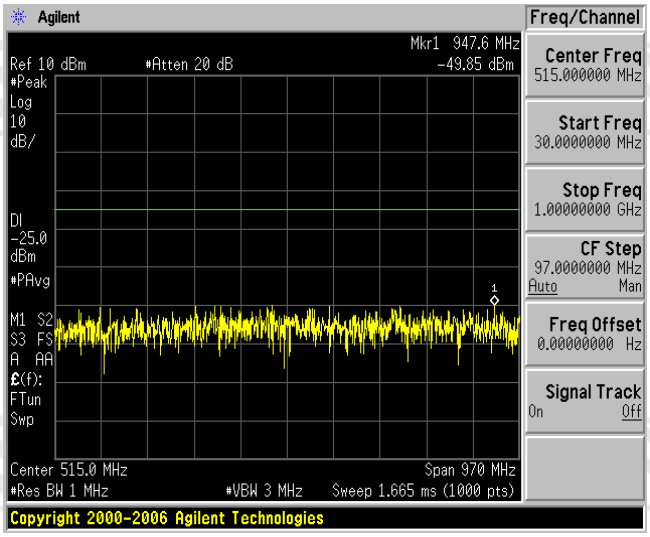
Band7-15MHz-QPSK-20825-1RB#0-Range2:1000~3000MHz



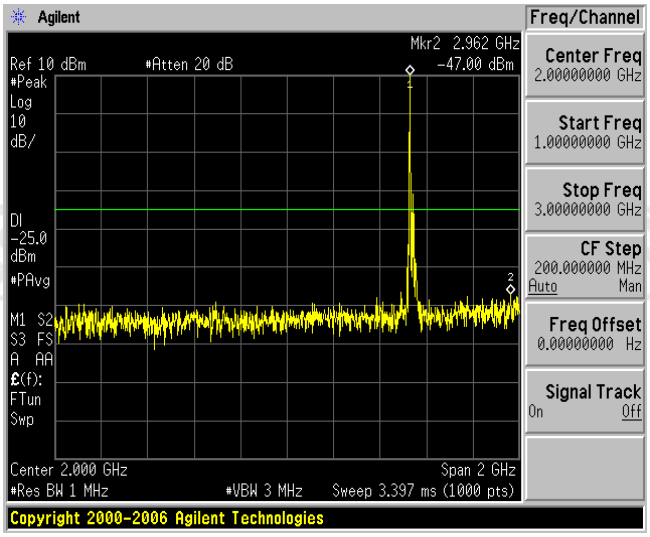
Band7-15MHz-QPSK-20825-1RB#0-Range3:3000~26500MHz



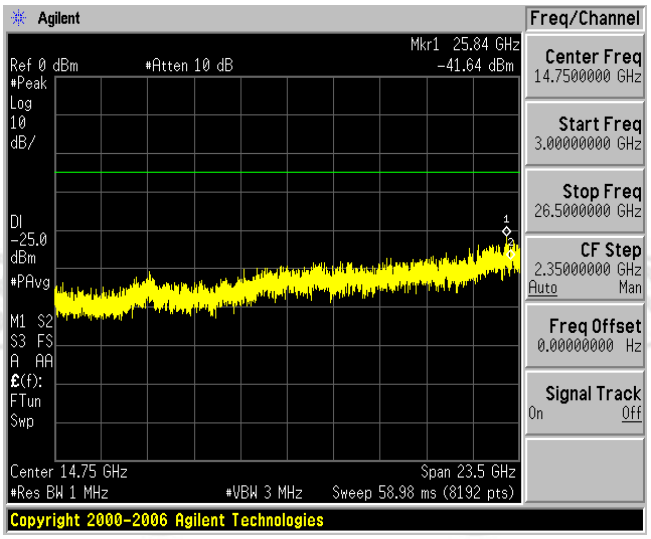
Band7-15MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



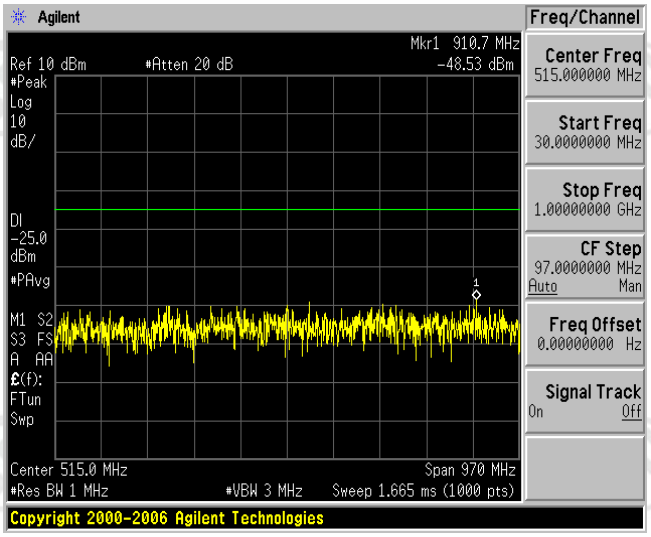
Band7-15MHz-QPSK-21100-1RB#0-Range2:1000~3000MHz



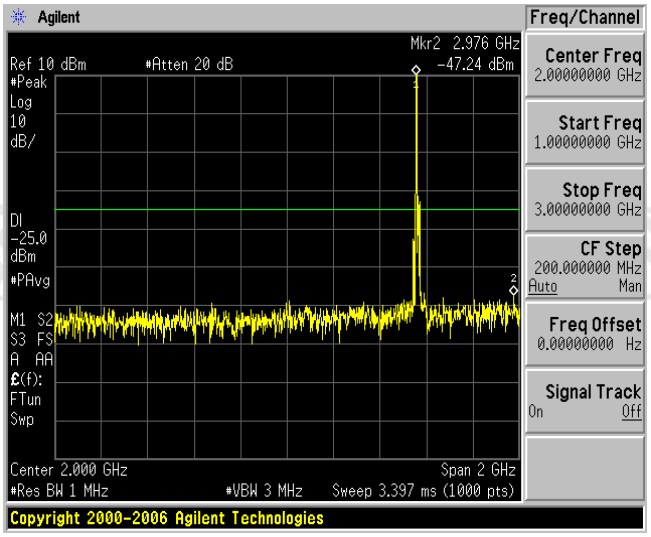
Band7-15MHz-QPSK-21100-1RB#0-Range3:3000~26500MHz



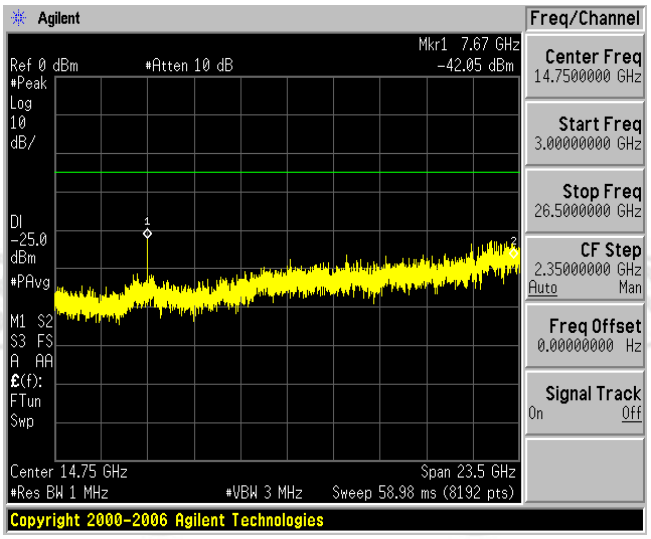
Band7-15MHz-QPSK-21375-1RB#0-Range1:30~1000MHz



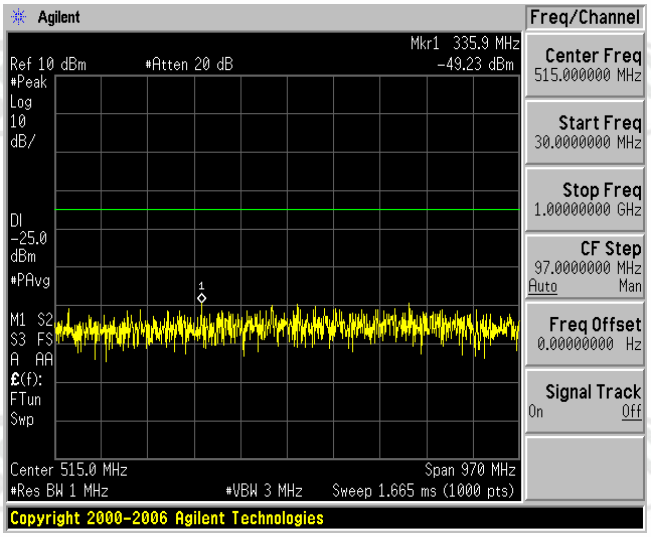
Band7-15MHz-QPSK-21375-1RB#0-Range2:1000~3000MHz



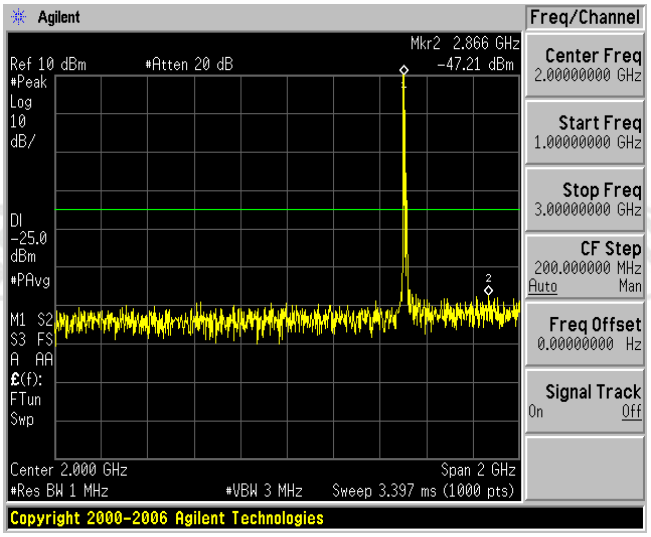
Band7-15MHz-QPSK-21375-1RB#0-Range3:3000~26500MHz



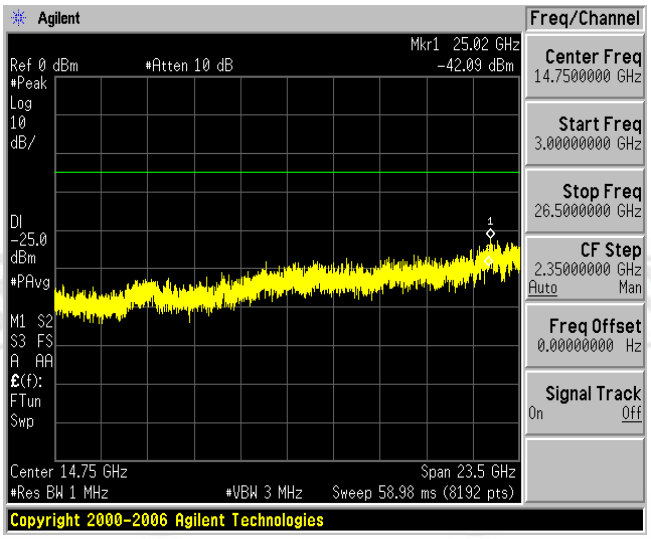
Band7-15MHz-16QAM-20825-1RB#0-Range1:30~1000MHz



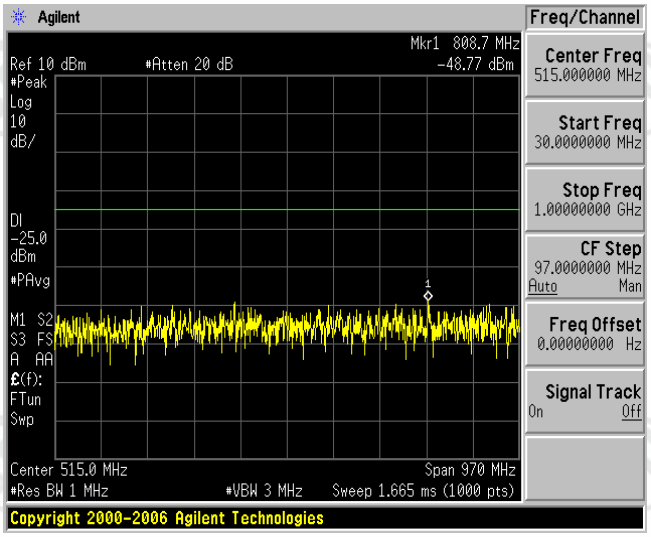
Band7-15MHz-16QAM-20825-1RB#0-Range2:1000~3000MHz



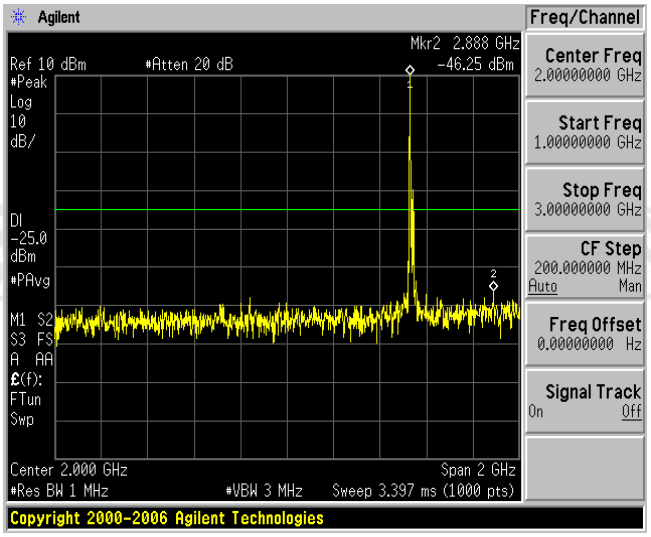
Band7-15MHz-16QAM-20825-1RB#0-Range3:3000~26500MHz



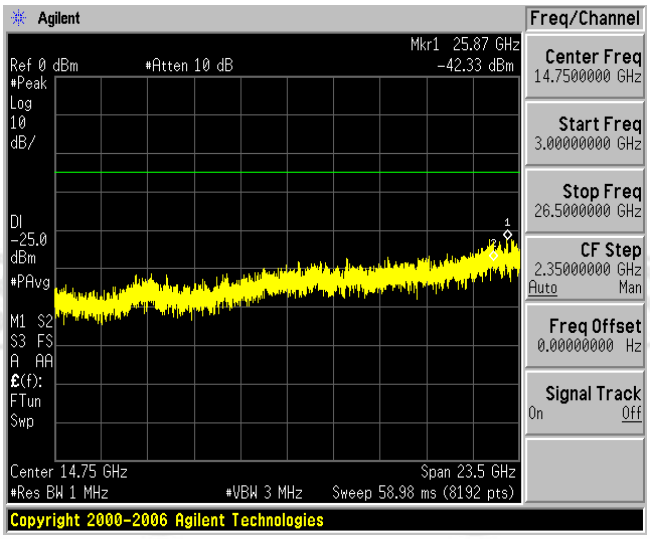
Band7-15MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



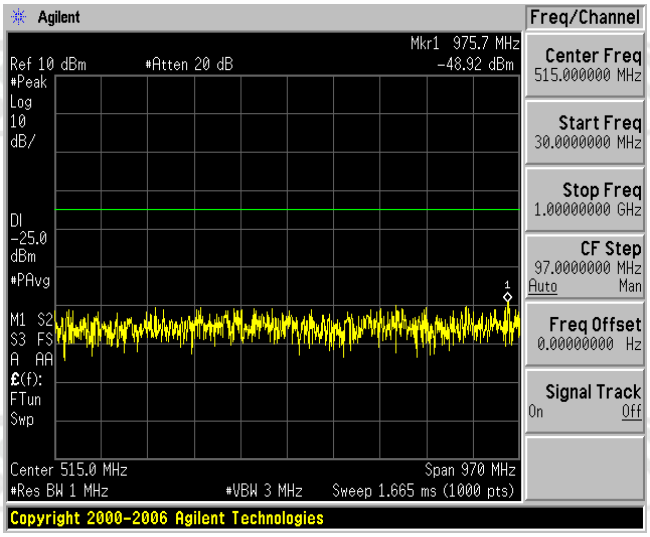
Band7-15MHz-16QAM-21100-1RB#0-Range2:1000~3000MHz



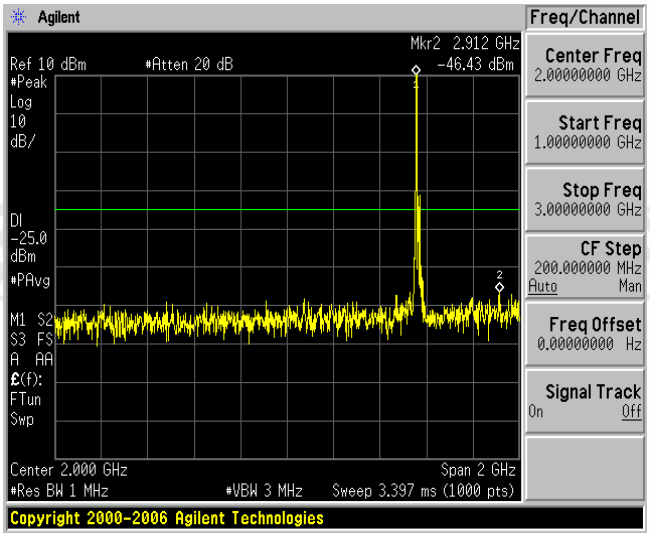
Band7-15MHz-16QAM-21100-1RB#0-Range3:3000~26500MHz



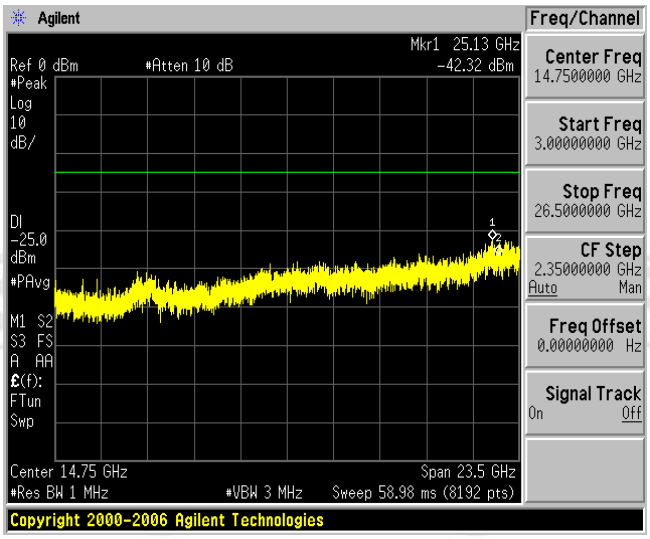
Band7-15MHz-16QAM-21375-1RB#0-Range1:30~1000MHz



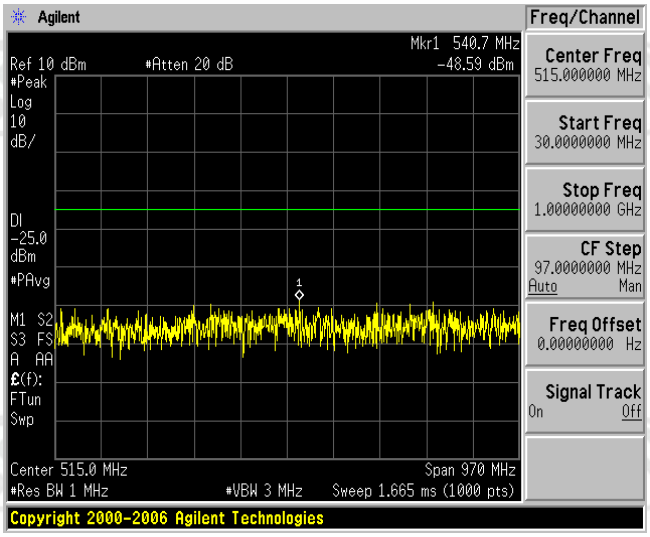
Band7-15MHz-16QAM-21375-1RB#0-Range2:1000~3000MHz



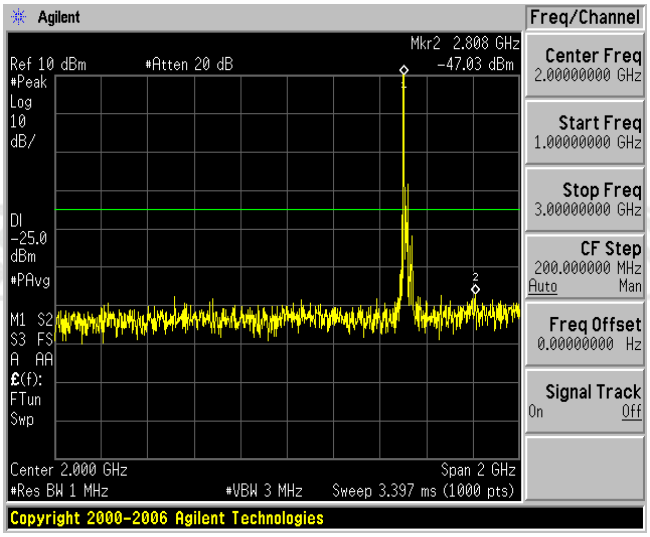
Band7-15MHz-16QAM-21375-1RB#0-Range3:3000~26500MHz



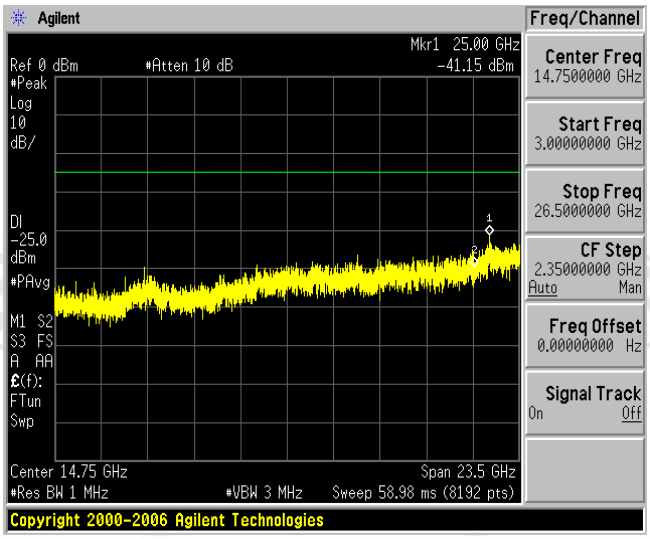
Band7-20MHz-QPSK-20850-1RB#0-Range1:30~1000MHz



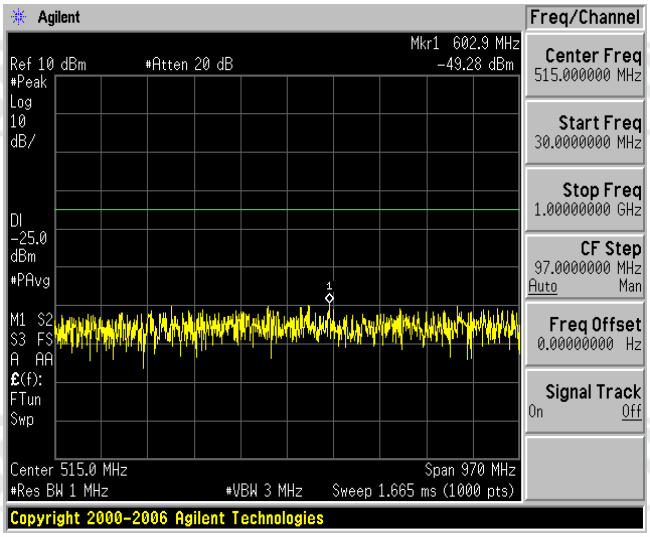
Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~3000MHz



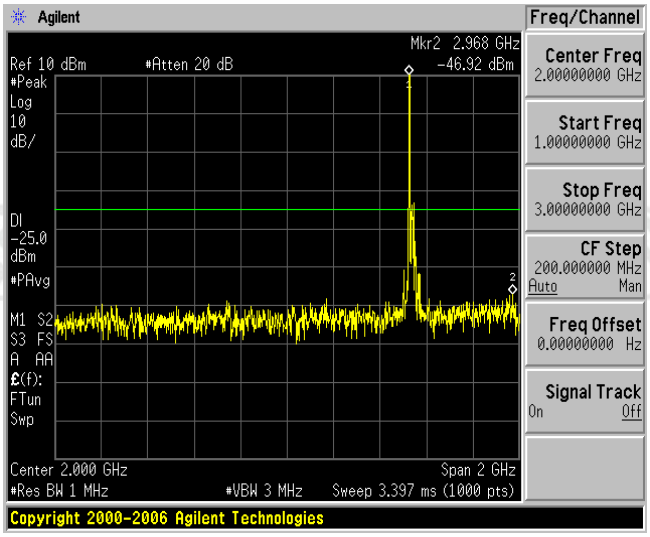
Band7-20MHz-QPSK-20850-1RB#0-Range3:3000~26500MHz



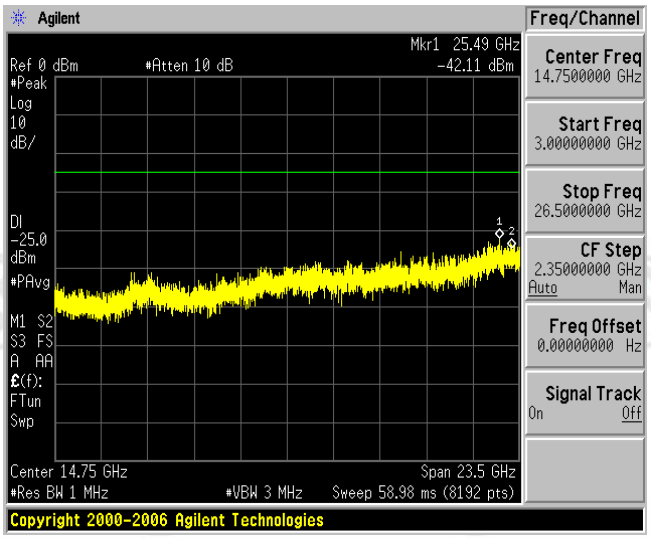
Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



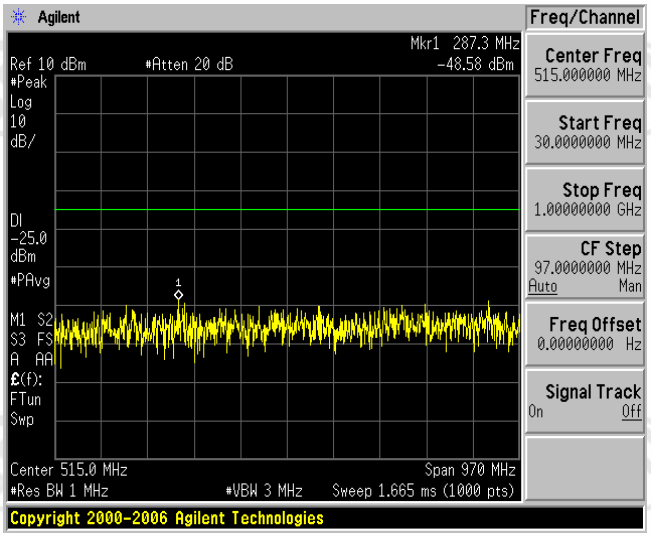
Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~3000MHz



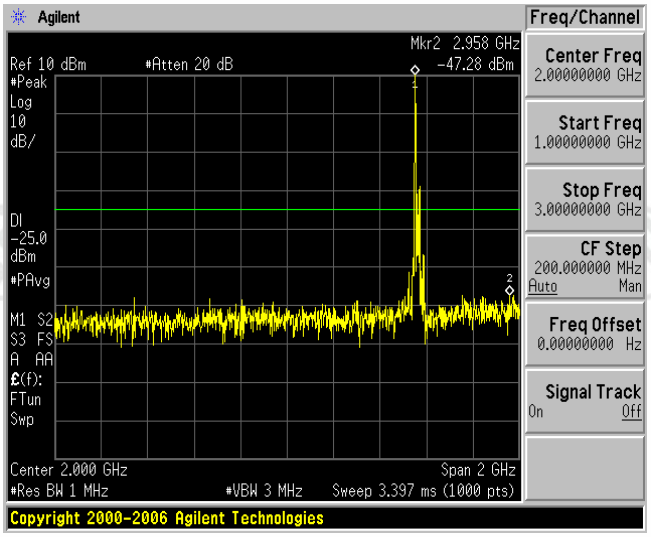
Band7-20MHz-QPSK-21100-1RB#0-Range3:3000~26500MHz



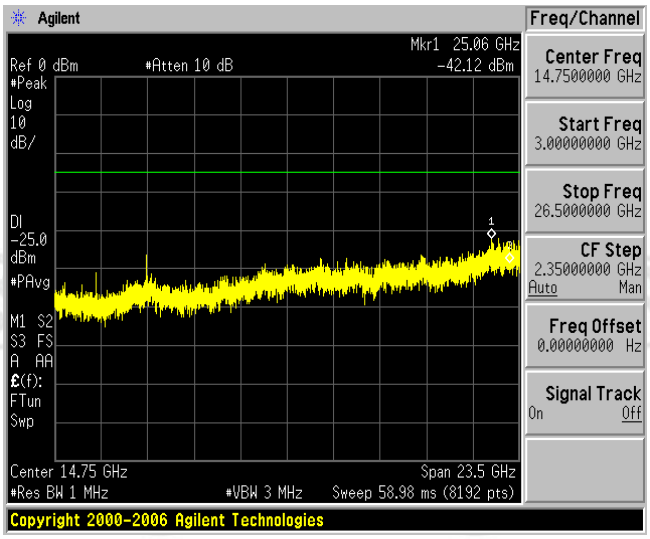
Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz



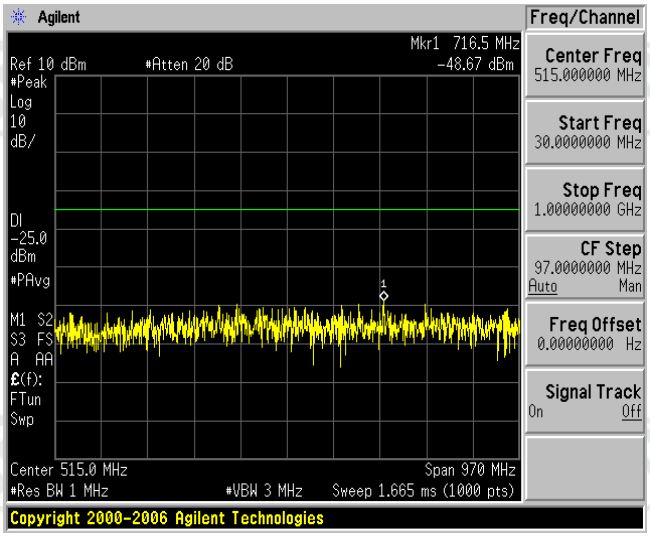
Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~3000MHz



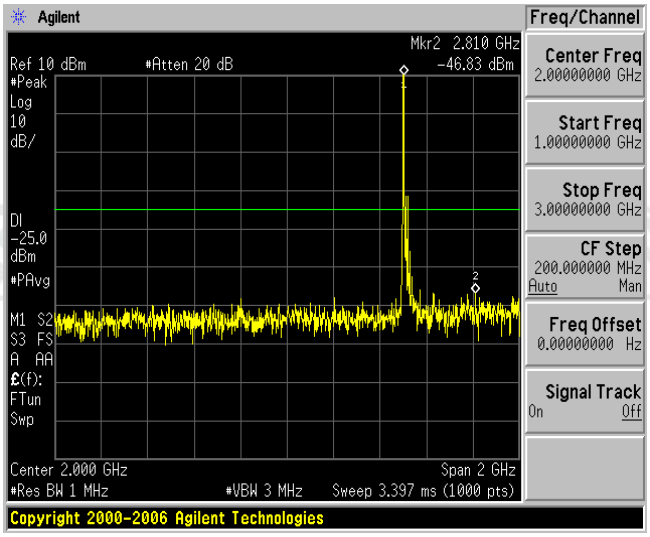
Band7-20MHz-QPSK-21350-1RB#0-Range3:3000~26500MHz



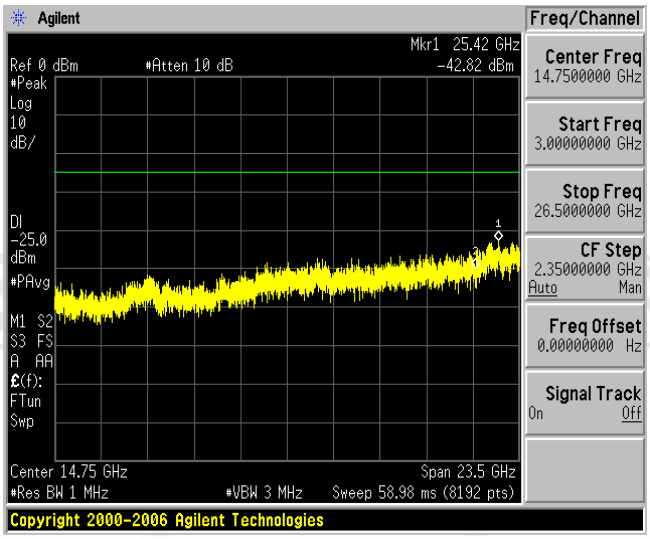
Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz



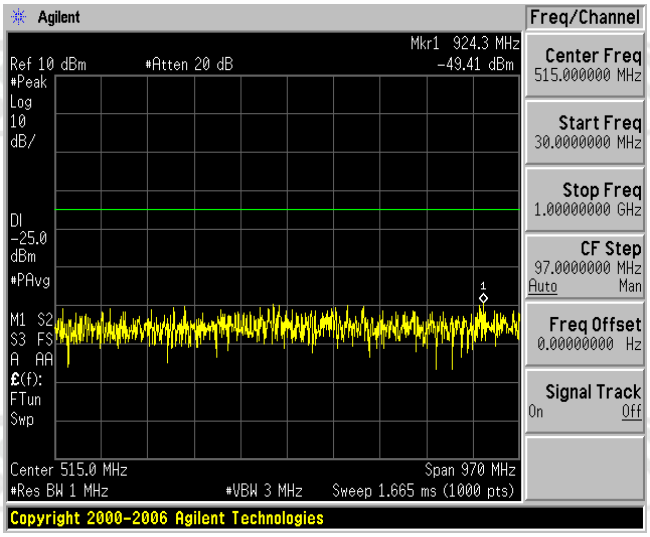
Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~3000MHz



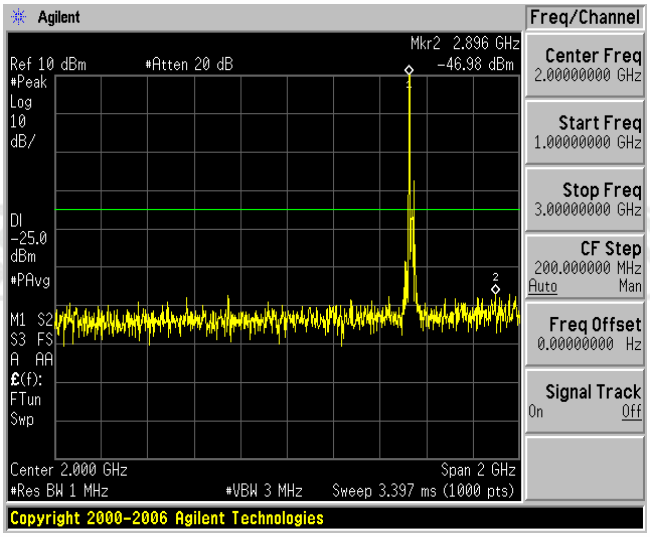
Band7-20MHz-16QAM-20850-1RB#0-Range3:3000~26500MHz



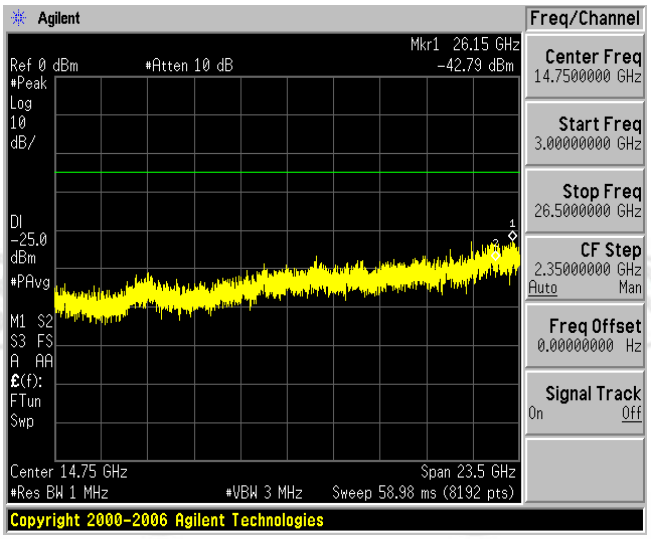
Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



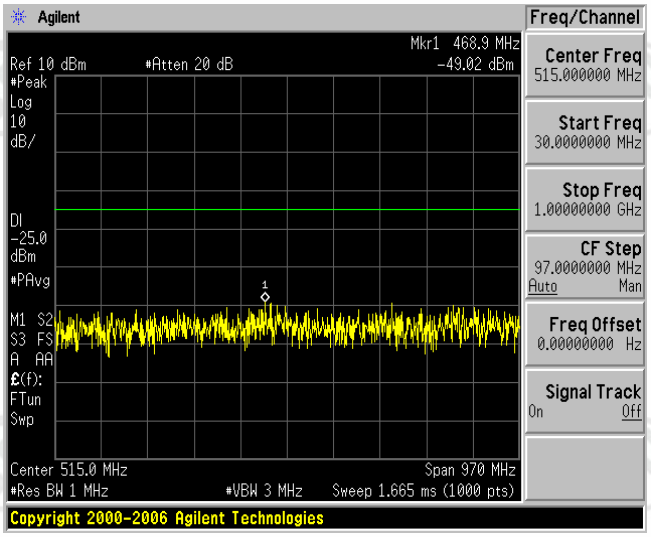
Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~3000MHz



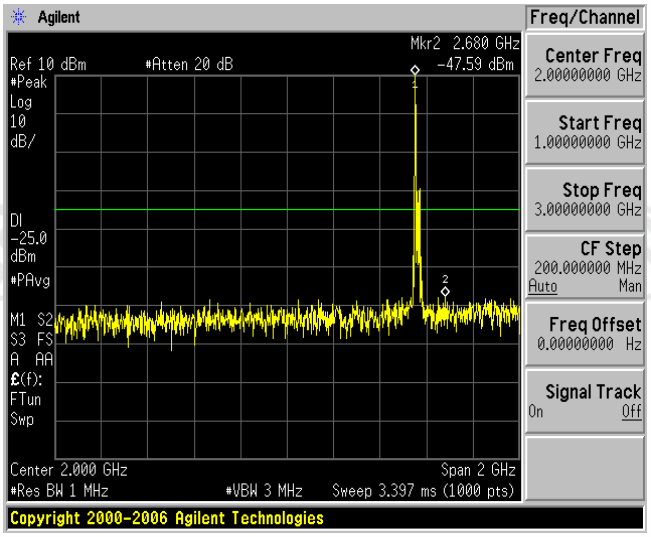
Band7-20MHz-16QAM-21100-1RB#0-Range3:3000~26500MHz



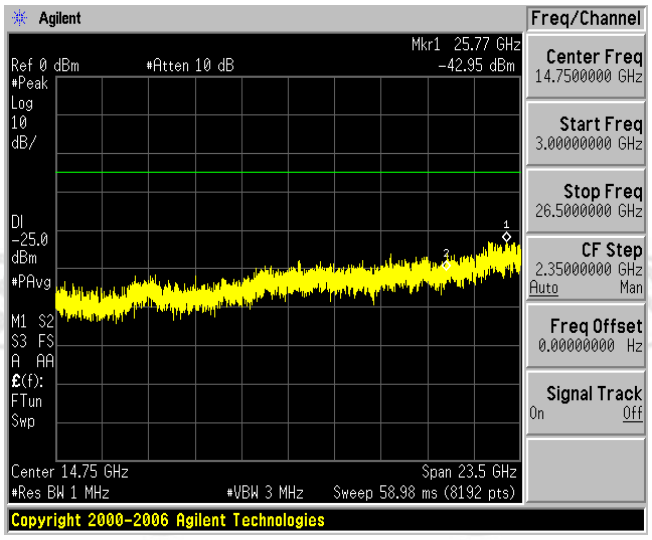
Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz



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



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


Agilent
Freq/Channel
Mkr1 25.77 GHz
Ref 0 dBm
#Atten 10 dB
-42.95 dBm
#Peak
Log
10
dB/
Dl
-25.0
dBm
#PAvg
M1 S2
S3 FS
A AA
£(f):
FTun
Swp
Center 14.75 GHz
Span 23.5 GHz
#Res BW 1 MHz
#VBW 3 MHz
Sweep 58.98 ms (8192 pts)
Center Freq
14.7500000 GHz
Start Freq
3.00000000 GHz
Stop Freq
26.5000000 GHz
CF Step
2.35000000 GHz
Auto
Man
Freq Offset
0.00000000 Hz
Signal Track
On
Off
Copyright 2000-2006 Agilent Technologies

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	VL	NT	-49.18	-0.019652	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VN	NT	13.38	0.005347	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VH	NT	-50.23	-0.020072	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VL	NT	-18.10	-0.007140	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VN	NT	38.68	0.015258	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VH	NT	-13.75	-0.005424	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VL	NT	-42.20	-0.016436	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VN	NT	56.51	0.022010	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VH	NT	-27.01	-0.010520	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VL	NT	-25.62	-0.010238	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VN	NT	-35.79	-0.014302	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VH	NT	-4.59	-0.001834	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VL	NT	28.98	0.011432	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VN	NT	8.00	0.003156	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VH	NT	30.61	0.012075	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VL	NT	-19.27	-0.007505	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VN	NT	-41.18	-0.016039	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VH	NT	-44.45	-0.017313	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VL	NT	30.06	0.012000	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VN	NT	15.09	0.006024	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VH	NT	15.41	0.006152	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VL	NT	49.02	0.019337	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VN	NT	24.29	0.009582	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VH	NT	50.60	0.019961	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VL	NT	9.77	0.003809	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VN	NT	52.21	0.020355	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VH	NT	-28.87	-0.011255	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VL	NT	25.38	0.010132	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VN	NT	35.05	0.013992	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VH	NT	28.08	0.011210	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VL	NT	52.31	0.020635	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VN	NT	51.67	0.020383	±2.5	PASS

Band7	10MHz	16QAM	21100	50RB#0	VH	NT	36.28	0.014312	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	VL	NT	-44.95	-0.017524	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	VN	NT	-48.07	-0.018741	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	VH	NT	-5.26	-0.002051	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VL	NT	39.97	0.015940	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VN	NT	34.89	0.013914	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VH	NT	40.93	0.016323	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VL	NT	-8.83	-0.003483	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VN	NT	38.02	0.014998	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VH	NT	32.72	0.012907	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VL	NT	-48.11	-0.018775	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VN	NT	13.15	0.005132	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VH	NT	-44.42	-0.017335	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VL	NT	21.06	0.008399	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VN	NT	44.10	0.017587	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VH	NT	11.97	0.004774	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VL	NT	64.43	0.025416	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VN	NT	22.43	0.008848	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VH	NT	52.80	0.020828	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VL	NT	-55.23	-0.021553	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VN	NT	-59.67	-0.023286	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VH	NT	-26.41	-0.010306	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	50.43	0.020092	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	33.93	0.013518	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	38.22	0.015227	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	42.14	0.016623	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	31.20	0.012308	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	46.63	0.018394	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	34.10	0.013320	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	56.12	0.021922	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	17.37	0.006785	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	28.75	0.011454	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	52.56	0.020940	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	11.73	0.004673	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	37.02	0.014604	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	44.22	0.017444	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	20.40	0.008047	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	-45.65	-0.017832	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-11.13	-0.004348	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-47.38	-0.018508	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	NV	-30	-35.68	-0.014258	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-20	-31.17	-0.012456	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	0	-17.21	-0.006877	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	10	-29.93	-0.011960	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	20	-6.57	-0.002625	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-30	10.37	0.004091	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-20	36.91	0.014560	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	0	46.58	0.018375	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	10	30.08	0.011866	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	20	40.11	0.015822	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-30	-52.17	-0.020319	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-20	-21.39	-0.008331	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	0	-11.83	-0.004608	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	10	10.57	0.004117	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	20	-49.87	-0.019424	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-30	22.66	0.009055	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-20	42.51	0.016987	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	0	10.93	0.004368	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	10	29.63	0.011840	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	20	44.27	0.017690	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-30	58.62	0.023124	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-20	18.30	0.007219	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	0	37.57	0.014821	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	10	20.40	0.008047	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	20	48.19	0.019010	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-30	-34.43	-0.013410	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-20	-11.49	-0.004475	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	0	-30.73	-0.011969	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	10	-54.56	-0.021250	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	20	-7.32	-0.002851	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-30	39.38	0.015721	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-20	52.41	0.020922	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	0	14.96	0.005972	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	10	27.49	0.010974	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	20	34.09	0.013609	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-30	30.16	0.011897	±2.5	PASS

Band7	10MHz	QPSK	21100	50RB#0	NV	-20	58.34	0.023014	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	0	29.41	0.011602	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	10	34.69	0.013684	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	20	45.30	0.017870	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-30	-53.79	-0.020971	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-20	-36.32	-0.014160	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	0	-48.67	-0.018975	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	10	-45.99	-0.017930	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	20	-23.15	-0.009025	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	-30	-7.18	-0.002866	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	-20	39.77	0.015876	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	0	30.41	0.012140	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	10	31.69	0.012651	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	20	-7.85	-0.003134	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	-30	47.12	0.018588	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	-20	46.05	0.018166	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	0	28.24	0.011140	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	10	40.84	0.016110	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	20	27.95	0.011026	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	-30	-27.27	-0.010632	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	-20	-39.14	-0.015259	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	0	-15.26	-0.005949	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	10	-30.60	-0.011930	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	20	-43.52	-0.016967	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-30	36.35	0.014497	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-20	50.61	0.020183	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	0	45.16	0.018010	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	10	12.26	0.004889	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	20	41.74	0.016646	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-30	41.18	0.016245	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-20	54.29	0.021416	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	0	27.61	0.010892	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	10	46.21	0.018229	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	20	23.83	0.009400	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-30	-54.32	-0.021198	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-20	-46.08	-0.017982	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	0	-51.14	-0.019957	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	10	-52.16	-0.020355	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	20	-55.32	-0.021588	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	-30	5.54	0.002209	±2.5	PASS

Band7	15MHz	16QAM	20825	75RB#0	NV	-20	47.08	0.018776	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	0	19.94	0.007952	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	10	41.74	0.016646	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	20	18.48	0.007370	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	-30	13.07	0.005156	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	-20	-65.89	-0.025992	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	0	-47.05	-0.018560	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	10	-57.22	-0.022572	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	20	-59.19	-0.023349	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	-30	-52.21	-0.020375	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	-20	-55.32	-0.021588	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	0	-34.83	-0.013592	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	10	-37.47	-0.014622	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	20	-32.52	-0.012691	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	8.55	0.003406	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	49.04	0.019538	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	37.24	0.014837	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	27.19	0.010833	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	22.57	0.008992	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	51.38	0.020268	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	46.11	0.018189	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	52.14	0.020568	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	10.03	0.003957	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	27.34	0.010785	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-34.39	-0.013434	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-38.72	-0.015125	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-30.98	-0.012102	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-45.73	-0.017863	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-54.53	-0.021301	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	29.50	0.011753	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	44.43	0.017701	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	51.64	0.020574	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	-7.87	-0.003135	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	30.77	0.012259	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-9.87	-0.003893	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	36.62	0.014446	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	29.58	0.011669	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	9.31	0.003673	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	44.73	0.017645	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	-24.65	-0.009629	±2.5	PASS

Band7	20MHz	16QAM	21350	100RB#0	NV	-20	-22.52	-0.008797	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	9.06	0.003539	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	-39.74	-0.015523	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	-6.14	-0.002398	±2.5	PASS

END OF REPORT