Appendix B

NR band N38

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

CONTENT

Page

1 EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA 3

2 PEAK-TO-AVERAGE RATIO 5

2.1 TEST RESULTS 5

2.2 TEST PLOTS 5

3 MODULATION CHARACTERISTICS 7

3.1 TEST PLOTS 7

3.1.1 Test Band = N38 7

4 OCCUPIED BANDWIDTH & 26DB EMISSION BANDWIDTH 10

4.1 TEST RESULTS 10

4.2 TEST PLOTS 10

5 BAND EDGES COMPLIANCE 16

5.1 TEST PLOTS 16

6 SPURIOUS EMISSION AT ANTENNA TERMINAL 20

6.1 TEST PLOTS 20

7 FREQUENCY STABILITY 23

7.1 FREQUENCY ERROR VS. VOLTAGE 23

7.2 FREQUENCY ERROR VS. TEMPERATURE 23

1 Effective (Isotropic) Radiated Power Output Data(ANT1)

NR Band	Bandwidth	SCS	Modulation	Channel	RB Config	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N38	20MHz	30KHz	TM1	516000	Inner Full	23.45	26.50	33	PASS
N38	20MHz	30KHz	TM1	516000	Inner 1RB Left	23.57	26.62	33	PASS
N38	20MHz	30KHz	TM1	516000	Inner 1RB Right	23.48	26.53	33	PASS
N38	20MHz	30KHz	TM1	519000	Inner Full	22.19	25.24	33	PASS
N38	20MHz	30KHz	TM1	519000	Inner 1RB Left	21.85	24.90	33	PASS
N38	20MHz	30KHz	TM1	519000	Inner 1RB Right	21.56	24.61	33	PASS
N38	20MHz	30KHz	TM1	522000	Inner Full	23.24	26.29	33	PASS
N38	20MHz	30KHz	TM1	522000	Inner 1RB Left	23.59	26.64	33	PASS
N38	20MHz	30KHz	TM1	522000	Inner 1RB Right	23.39	26.44	33	PASS
N38	20MHz	30KHz	TM2	516000	Inner Full	23.47	26.52	33	PASS
N38	20MHz	30KHz	TM2	516000	Inner 1RB Left	23.57	26.62	33	PASS
N38	20MHz	30KHz	TM2	516000	Inner 1RB Right	23.44	26.49	33	PASS
N38	20MHz	30KHz	TM2	519000	Inner Full	22.15	25.20	33	PASS
N38	20MHz	30KHz	TM2	519000	Inner 1RB Left	21.96	25.01	33	PASS
N38	20MHz	30KHz	TM2	519000	Inner 1RB Right	21.62	24.67	33	PASS
N38	20MHz	30KHz	TM2	522000	Inner Full	22.96	26.01	33	PASS
N38	20MHz	30KHz	TM2	522000	Inner 1RB Left	23.27	26.32	33	PASS
N38	20MHz	30KHz	TM2	522000	Inner 1RB Right	23.12	26.17	33	PASS
N38	20MHz	30KHz	TM3	516000	Inner Full	22.67	25.72	33	PASS
N38	20MHz	30KHz	TM3	516000	Inner 1RB Left	22.57	25.62	33	PASS
N38	20MHz	30KHz	TM3	516000	Inner 1RB Right	22.48	25.53	33	PASS
N38	20MHz	30KHz	TM3	519000	Inner Full	21.44	24.49	33	PASS
N38	20MHz	30KHz	TM3	519000	Inner 1RB Left	21.92	24.97	33	PASS
N38	20MHz	30KHz	TM3	519000	Inner 1RB Right	21.71	24.76	33	PASS
N38	20MHz	30KHz	TM3	522000	Inner Full	21.72	24.77	33	PASS
N38	20MHz	30KHz	TM3	522000	Inner 1RB Left	22.52	25.57	33	PASS
N38	20MHz	30KHz	TM3	522000	Inner 1RB Right	22.03	25.08	33	PASS
N38	20MHz	30KHz	TM4	516000	Inner Full	20.78	23.83	33	PASS
N38	20MHz	30KHz	TM4	516000	Inner 1RB Left	21.21	24.26	33	PASS
N38	20MHz	30KHz	TM4	516000	Inner 1RB Right	20.81	23.86	33	PASS
N38	20MHz	30KHz	TM4	519000	Inner Full	19.90	22.95	33	PASS
N38	20MHz	30KHz	TM4	519000	Inner 1RB Left	20.16	23.21	33	PASS
N38	20MHz	30KHz	TM4	519000	Inner 1RB Right	19.83	22.88	33	PASS
N38	20MHz	30KHz	TM4	522000	Inner Full	20.11	23.16	33	PASS
N38	20MHz	30KHz	TM4	522000	Inner 1RB Left	20.89	23.94	33	PASS
N38	20MHz	30KHz	TM4	522000	Inner 1RB Right	20.89	23.94	33	PASS
N38	20MHz	30KHz	TM5	516000	Inner Full	20.93	23.98	33	PASS
N38	20MHz	30KHz	TM5	516000	Inner 1RB Left	21.47	24.52	33	PASS
N38	20MHz	30KHz	TM5	516000	Inner 1RB Right	20.60	23.65	33	PASS
N38	20MHz	30KHz	TM5	519000	Inner Full	20.06	23.11	33	PASS
N38	20MHz	30KHz	TM5	519000	Inner 1RB Left	20.21	23.26	33	PASS

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

N38	20MHz	30KHz	TM5	519000	Inner 1RB Right	19.76	22.81	33	PASS
N38	20MHz	30KHz	TM5	522000	Inner Full	20.64	23.69	33	PASS
N38	20MHz	30KHz	TM5	522000	Inner 1RB Left	20.51	23.56	33	PASS
N38	20MHz	30KHz	TM5	522000	Inner 1RB Right	20.75	23.80	33	PASS
N38	20MHz	30KHz	TM6	516000	Inner Full	23.54	26.59	33	PASS
N38	20MHz	30KHz	TM6	516000	Inner 1RB Left	23.84	26.89	33	PASS
N38	20MHz	30KHz	TM6	516000	Inner 1RB Right	23.51	26.56	33	PASS
N38	20MHz	30KHz	TM6	519000	Inner Full	21.91	24.96	33	PASS
N38	20MHz	30KHz	TM6	519000	Inner 1RB Left	22.09	25.14	33	PASS
N38	20MHz	30KHz	TM6	519000	Inner 1RB Right	22.20	25.25	33	PASS
N38	20MHz	30KHz	TM6	522000	Inner Full	23.29	26.34	33	PASS
N38	20MHz	30KHz	TM6	522000	Inner 1RB Left	23.52	26.57	33	PASS
N38	20MHz	30KHz	TM6	522000	Inner 1RB Right	23.30	26.35	33	PASS
N38	20MHz	30KHz	TM7	516000	Inner Full	22.32	25.37	33	PASS
N38	20MHz	30KHz	TM7	516000	Inner 1RB Left	22.29	25.34	33	PASS
N38	20MHz	30KHz	TM7	516000	Inner 1RB Right	22.29	25.34	33	PASS
N38	20MHz	30KHz	TM7	519000	Inner Full	21.44	24.49	33	PASS
N38	20MHz	30KHz	TM7	519000	Inner 1RB Left	21.44	24.49	33	PASS
N38	20MHz	30KHz	TM7	519000	Inner 1RB Right	21.32	24.37	33	PASS
N38	20MHz	30KHz	TM7	522000	Inner Full	22.11	25.16	33	PASS
N38	20MHz	30KHz	TM7	522000	Inner 1RB Left	22.57	25.62	33	PASS
N38	20MHz	30KHz	TM7	522000	Inner 1RB Right	22.09	25.14	33	PASS
N38	20MHz	30KHz	TM8	516000	Inner Full	21.04	24.09	33	PASS
N38	20MHz	30KHz	TM8	516000	Inner 1RB Left	21.11	24.16	33	PASS
N38	20MHz	30KHz	TM8	516000	Inner 1RB Right	20.63	23.68	33	PASS
N38	20MHz	30KHz	TM8	519000	Inner Full	19.91	22.96	33	PASS
N38	20MHz	30KHz	TM8	519000	Inner 1RB Left	20.26	23.31	33	PASS
N38	20MHz	30KHz	TM8	519000	Inner 1RB Right	20.05	23.10	33	PASS
N38	20MHz	30KHz	TM8	522000	Inner Full	20.24	23.29	33	PASS
N38	20MHz	30KHz	TM8	522000	Inner 1RB Left	20.72	23.77	33	PASS
N38	20MHz	30KHz	TM8	522000	Inner 1RB Right	20.61	23.66	33	PASS
N38	20MHz	30KHz	TM9	516000	Inner Full	21.15	24.20	33	PASS
N38	20MHz	30KHz	TM9	516000	Inner 1RB Left	21.15	24.20	33	PASS
N38	20MHz	30KHz	TM9	516000	Inner 1RB Right	21.02	24.07	33	PASS
N38	20MHz	30KHz	TM9	519000	Inner Full	20.13	23.18	33	PASS
N38	20MHz	30KHz	TM9	519000	Inner 1RB Left	19.90	22.95	33	PASS
N38	20MHz	30KHz	TM9	519000	Inner 1RB Right	19.97	23.02	33	PASS
N38	20MHz	30KHz	TM9	522000	Inner Full	19.82	22.87	33	PASS
N38	20MHz	30KHz	TM9	522000	Inner 1RB Left	19.62	22.67	33	PASS
N38	20MHz	30KHz	TM9	522000	Inner 1RB Right	19.69	22.74	33	PASS

Note:

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

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

ERP [dBm] = Conducted Power [dBm] + Gain [dBi] -2.15

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

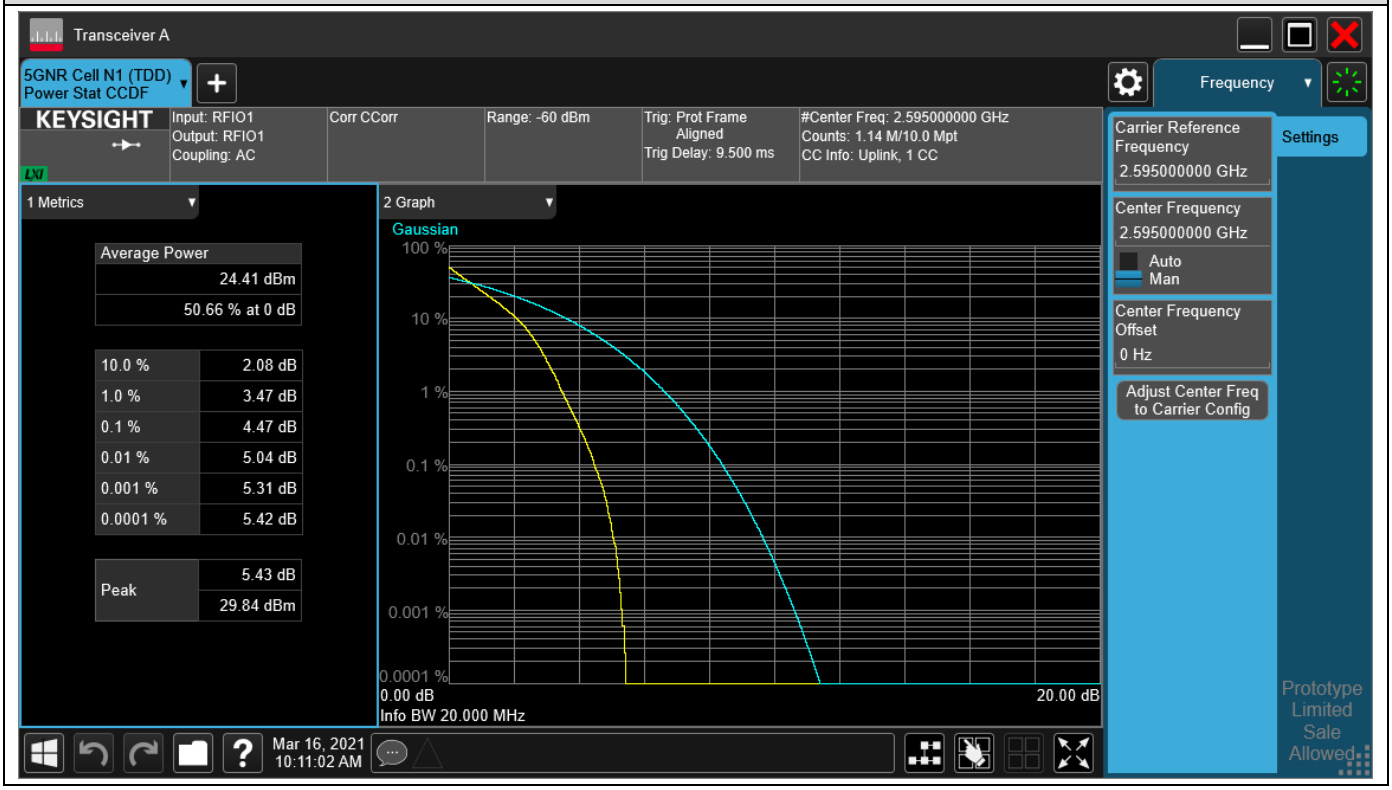
2 Peak-to-Average Ratio

2.1 Test Results

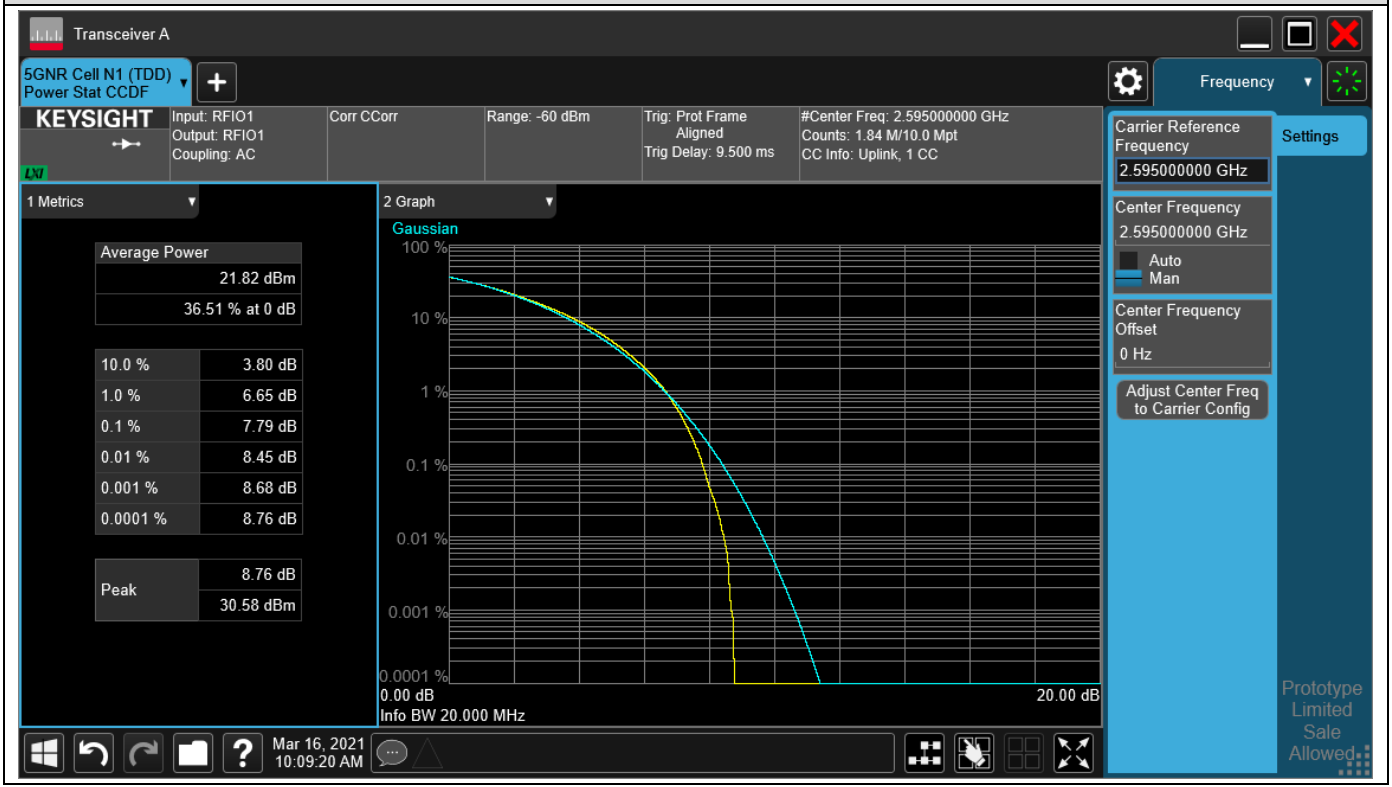
NR Band	Bandwidth	SCS	Modulation	Channel	RB Config	Result (dB)	Limit (dBm)	Verdict
N38	20MHz	30KHz	TM1	519000	Outer Full	4.47	13	PASS
N38	20MHz	30KHz	TM6	519000	Outer Full	7.79	13	PASS

2.2 Test Plots

N38-20MHz-15KHz-TM1-519000-Outer Full



N38-20MHz-15KHz-TM6-519000-Outer Full



REMARK:
All antenna and all modulation had been tested, but only the worst case data displayed in this report

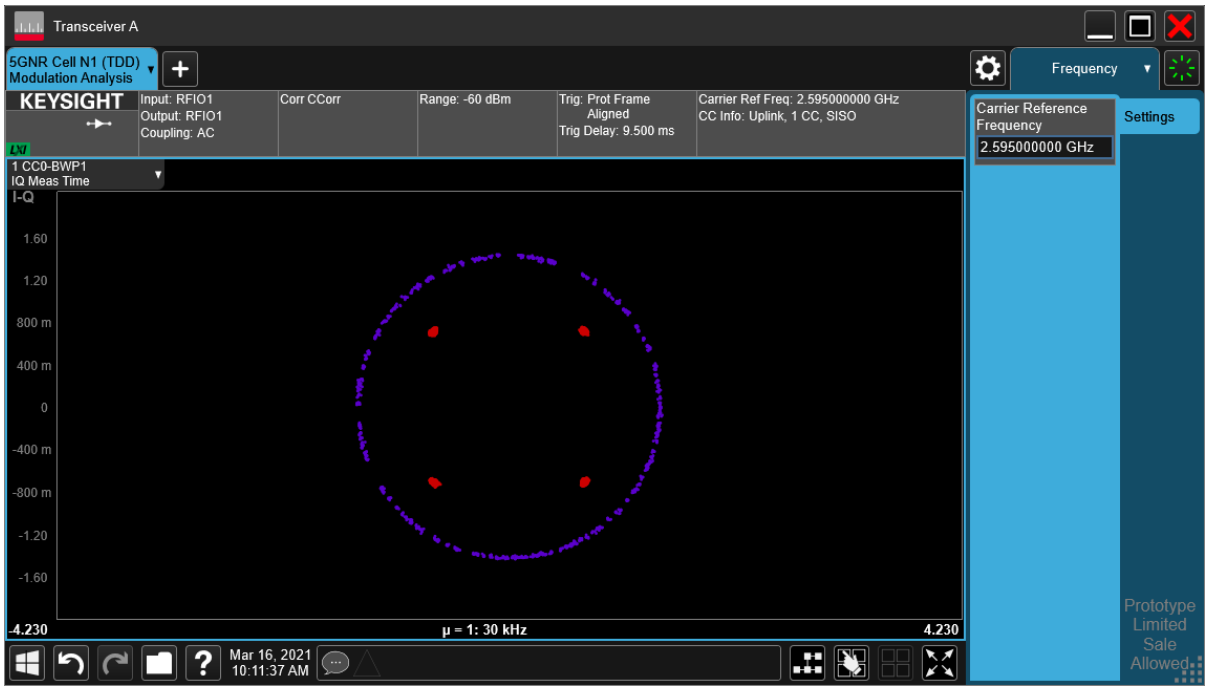
3 Modulation Characteristics

3.1 Test Plots

3.1.1 Test Band = N38

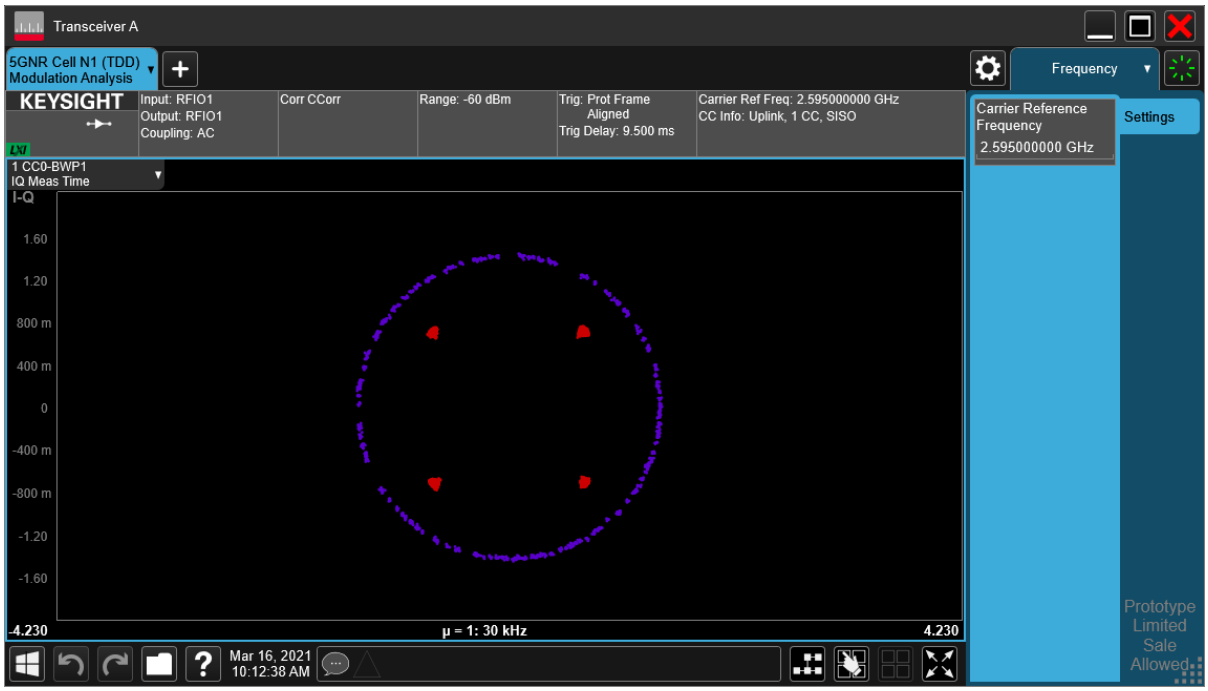
3.1.1.1 Test Mode = TM1 20MHz

3.1.1.1.1 Test Channel = MCH



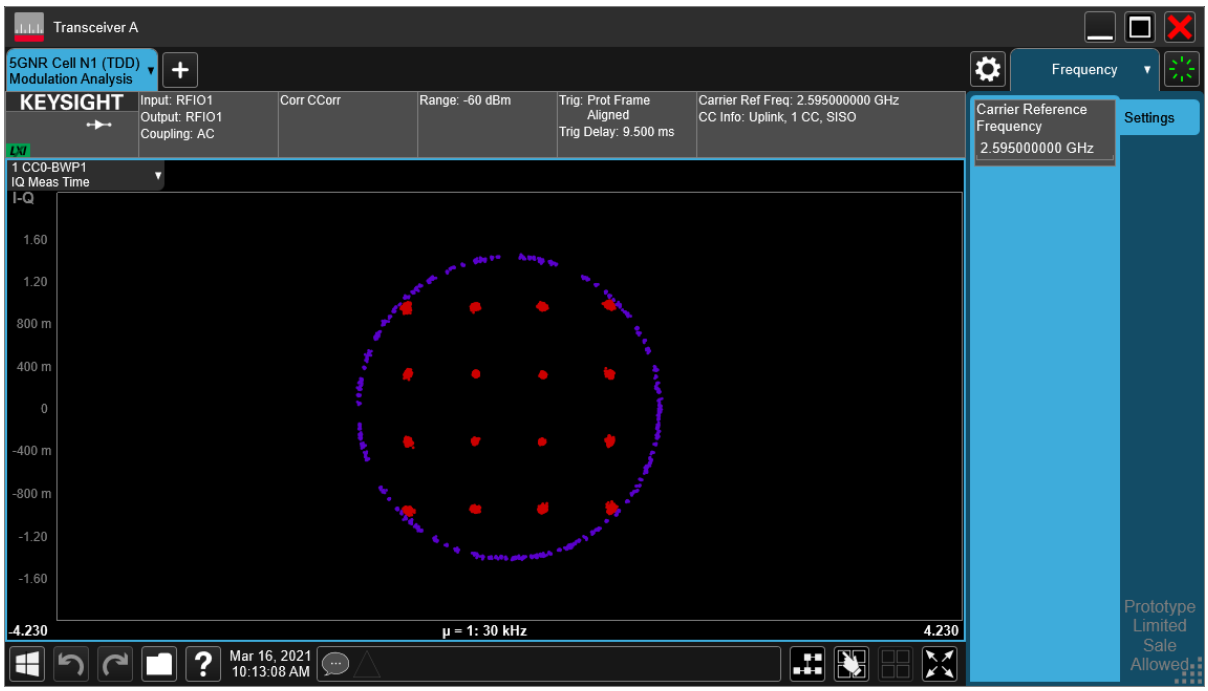
3.1.1.2 Test Mode = TM2 20MHz

3.1.1.2.1 Test Channel = MCH



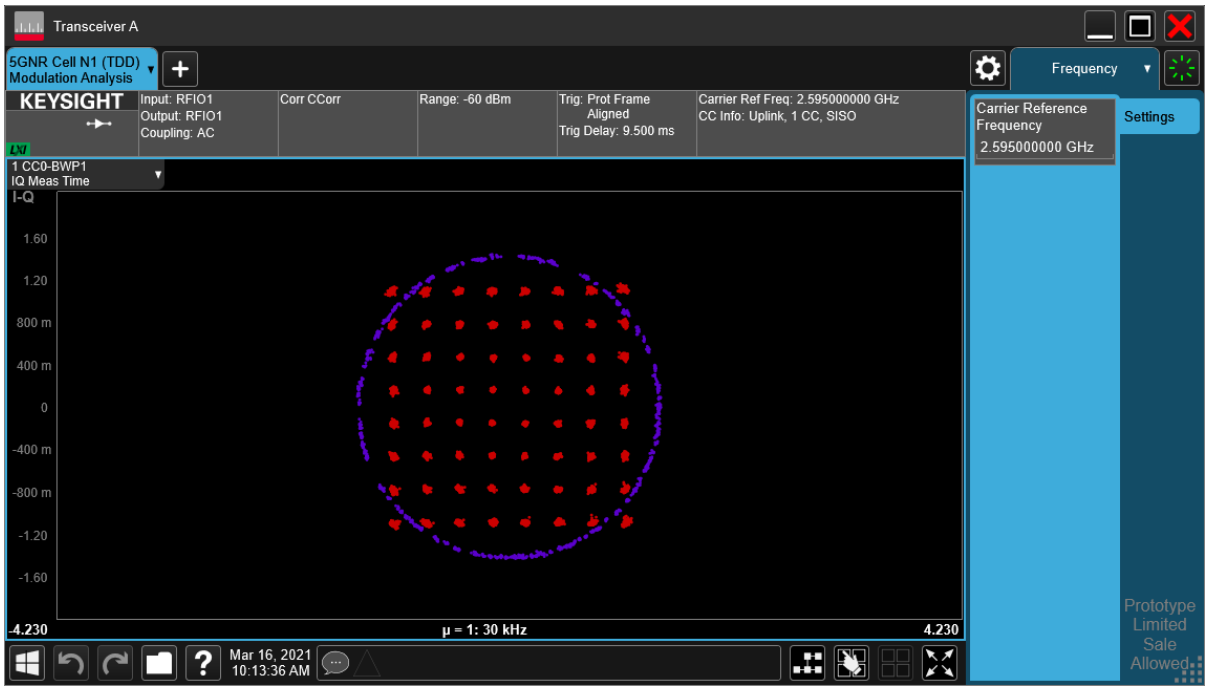
3.1.1.3 Test Mode = TM3 20MHz

3.1.1.3.1 Test Channel = MCH



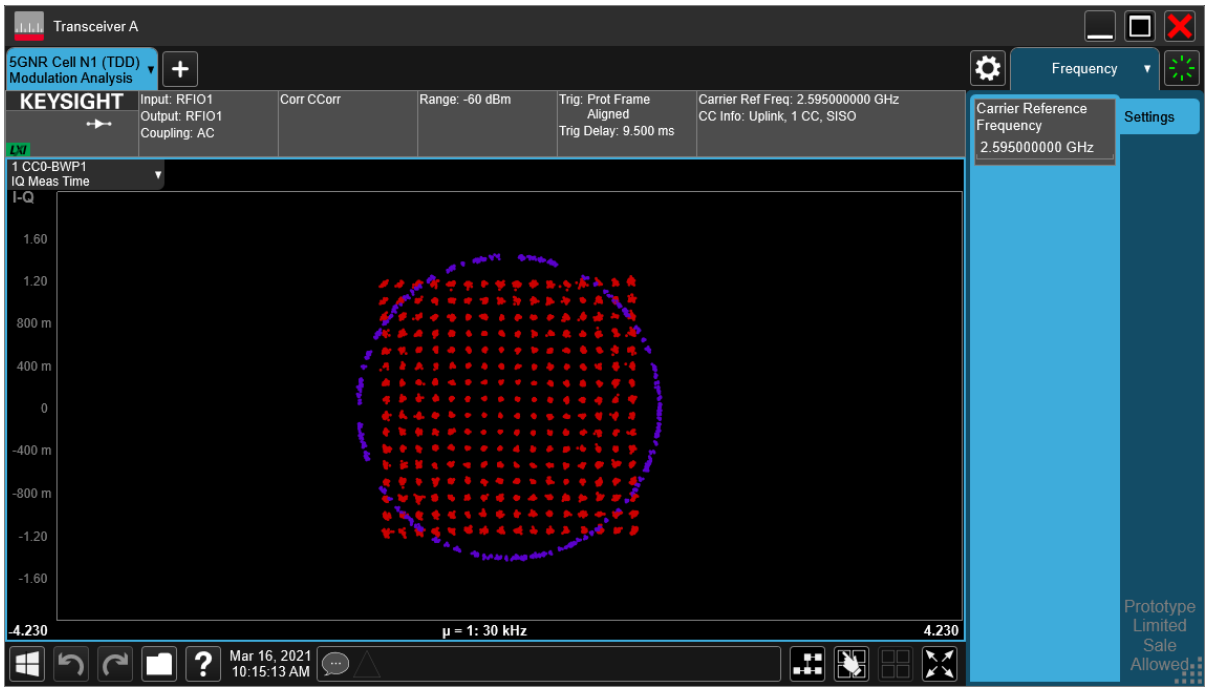
3.1.1.4 Test Mode = TM4 20MHz

3.1.1.4.1 Test Channel = MCH



3.1.1.5 Test Mode = TM5 20MHz

3.1.1.5.1 Test Channel = MCH



3.1.1.6 Test Mode = TM6 20MHz

3.1.1.6.1 Test Channel = MCH

REMARK:
All antenna and all modulation had been tested, but only the worst case data displayed in this report

4 Occupied Bandwidth & 26dB Emission Bandwidth

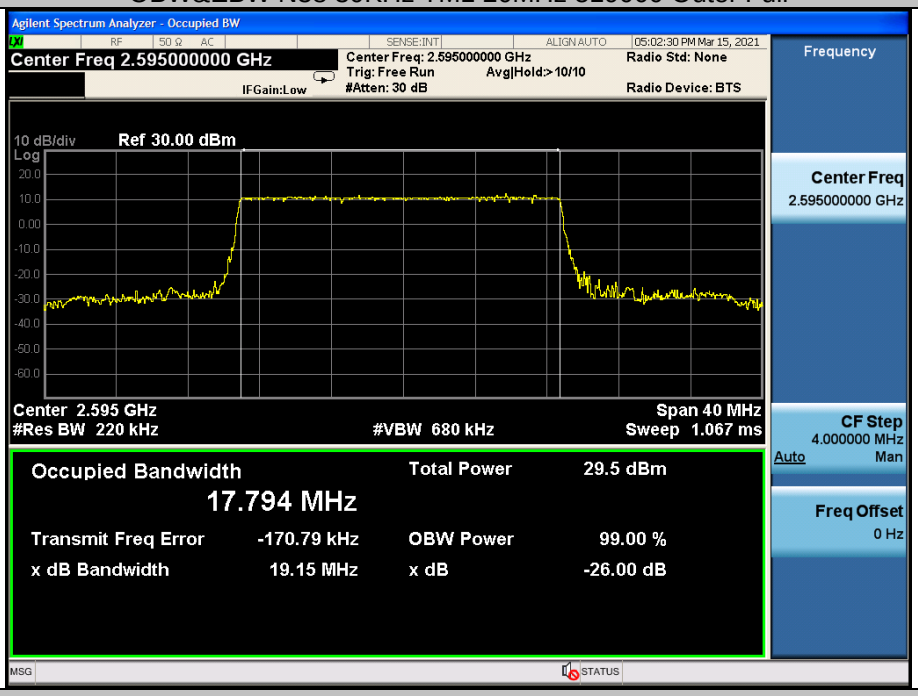
4.1 Test Results

NR Band	Bandwidth	SCS	Modulation	Channel	RB Config	OBW (MHz)	EBW (MHz)	Verdict
N38	20MHz	30KHz	TM1	519000	Outer Full	17.79	19.15	PASS
N38	20MHz	30KHz	TM2	519000	Outer Full	17.79	19.02	PASS
N38	20MHz	30KHz	TM3	519000	Outer Full	17.76	18.59	PASS
N38	20MHz	30KHz	TM4	519000	Outer Full	17.79	18.93	PASS
N38	20MHz	30KHz	TM5	519000	Outer Full	17.79	18.65	PASS
N38	20MHz	30KHz	TM6	519000	Outer Full	18.18	19.17	PASS
N38	20MHz	30KHz	TM7	519000	Outer Full	18.17	19.23	PASS
N38	20MHz	30KHz	TM8	519000	Outer Full	18.25	19.19	PASS
N38	20MHz	30KHz	TM9	519000	Outer Full	18.18	18.95	PASS

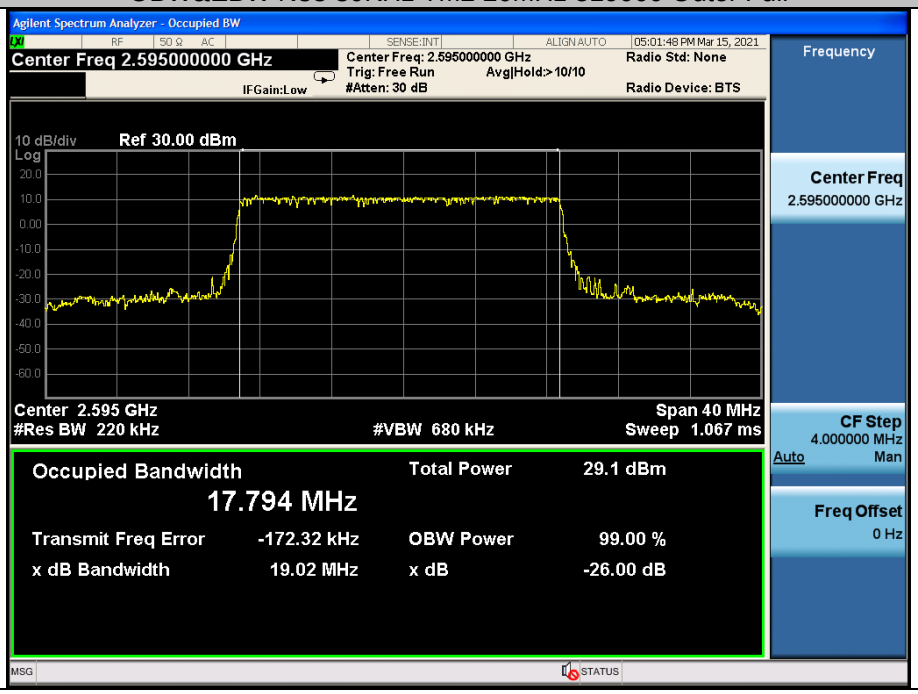
4.2 Test Plots

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

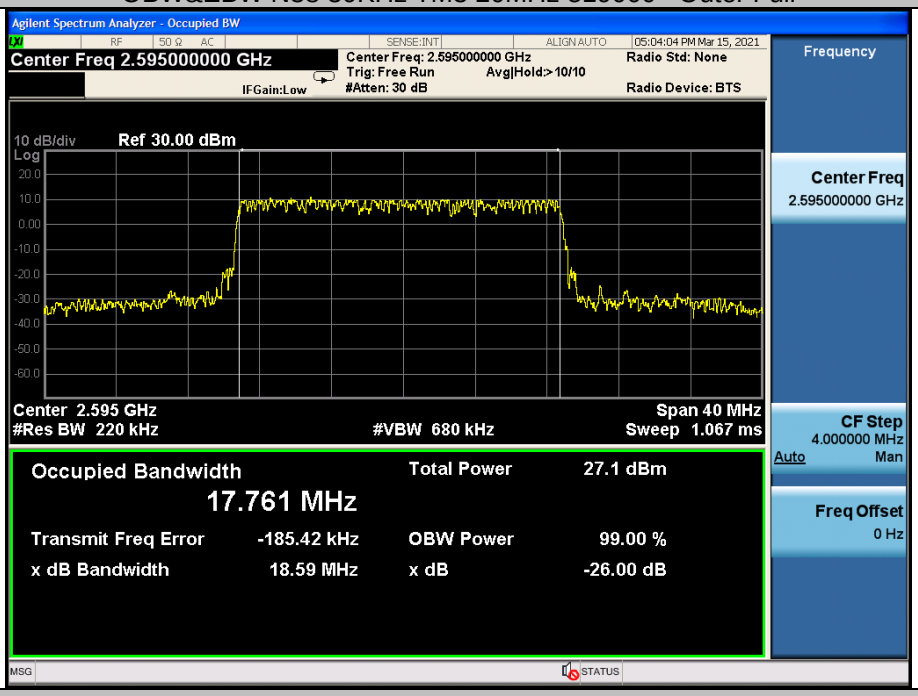
OBW&EBW N38 30KHz TM1 20MHz 519000 Outer Full



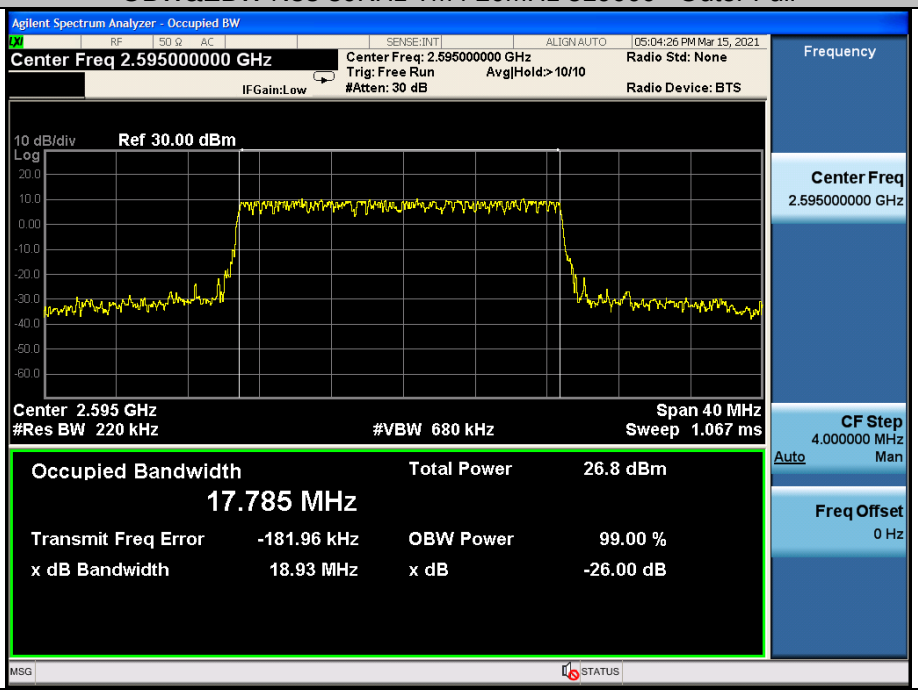
OBW&EBW N38 30KHz TM2 20MHz 519000 Outer Full



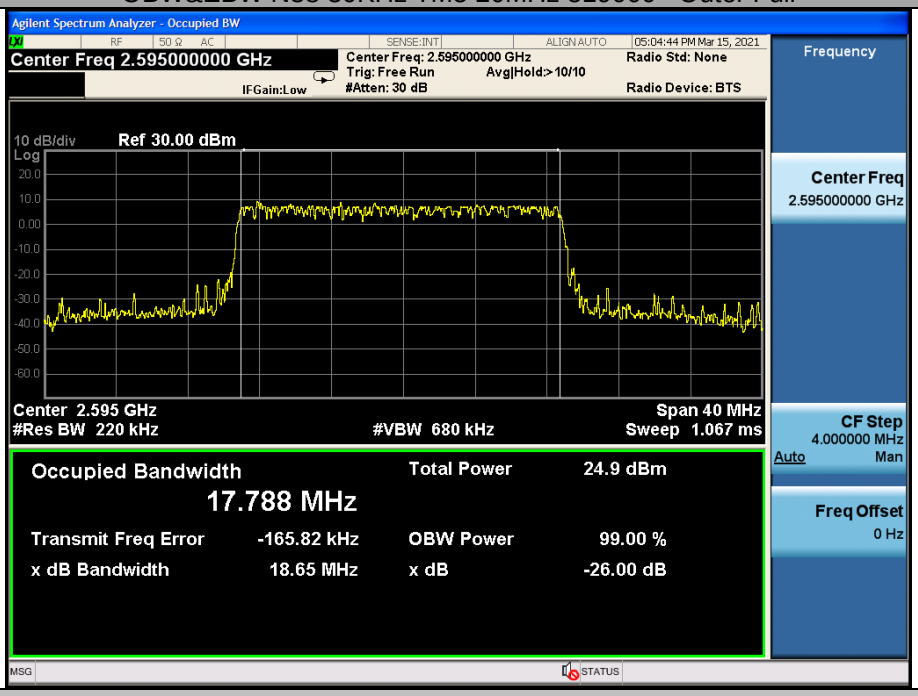
OBW&EBW N38 30KHz TM3 20MHz 519000 Outer Full



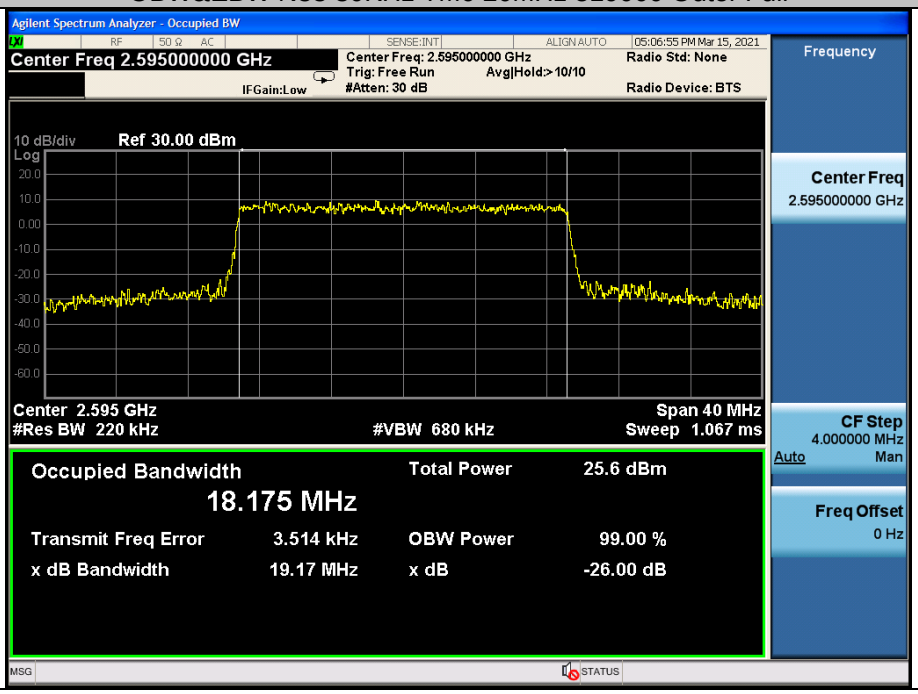
OBW&EBW N38 30KHz TM4 20MHz 519000 Outer Full



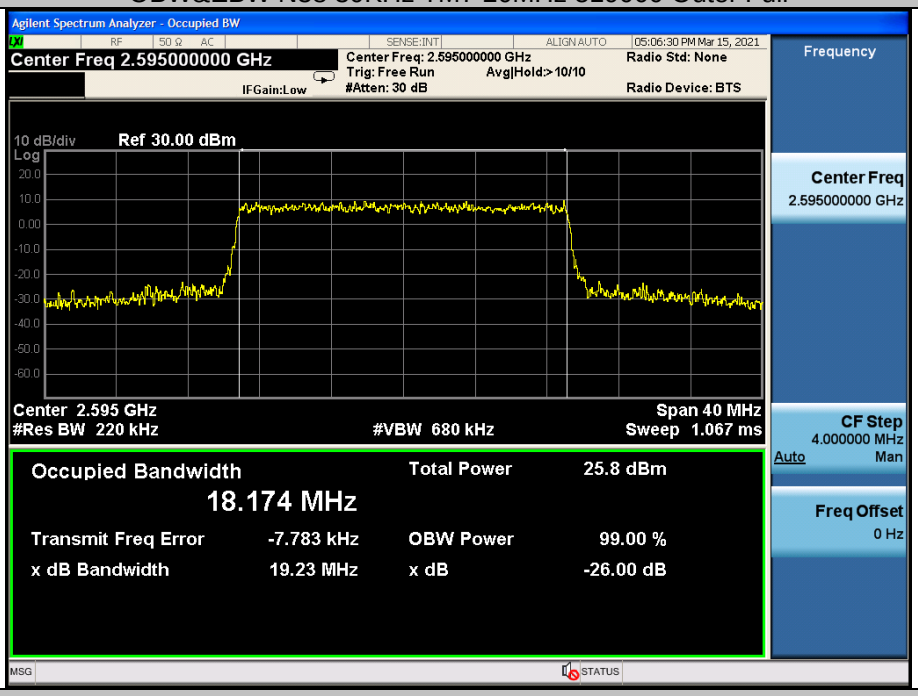
OBW&EBW N38 30KHz TM5 20MHz 519000 Outer Full



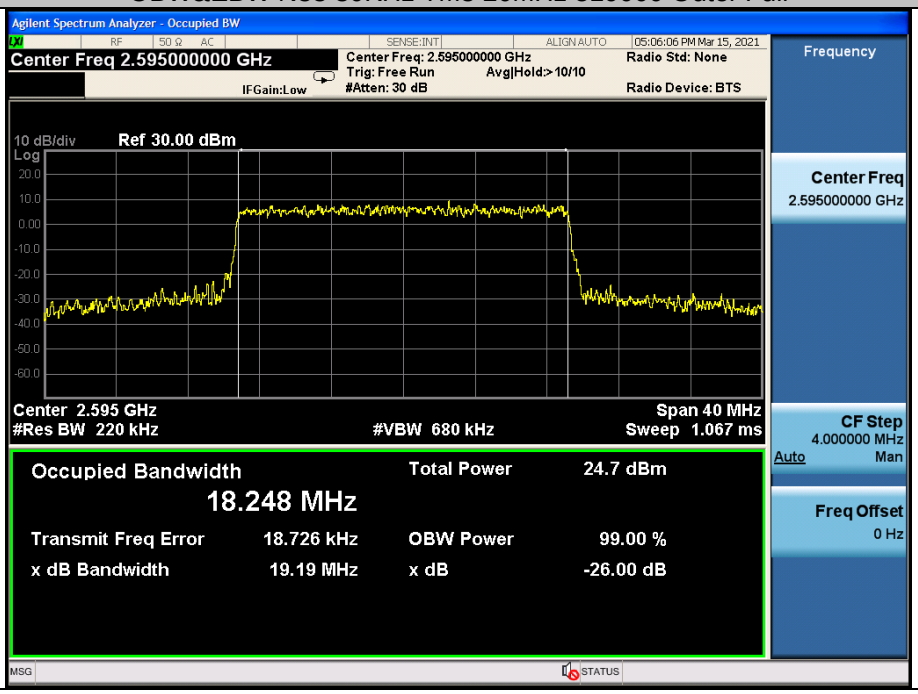
OBW&EBW N38 30KHz TM6 20MHz 519000 Outer Full



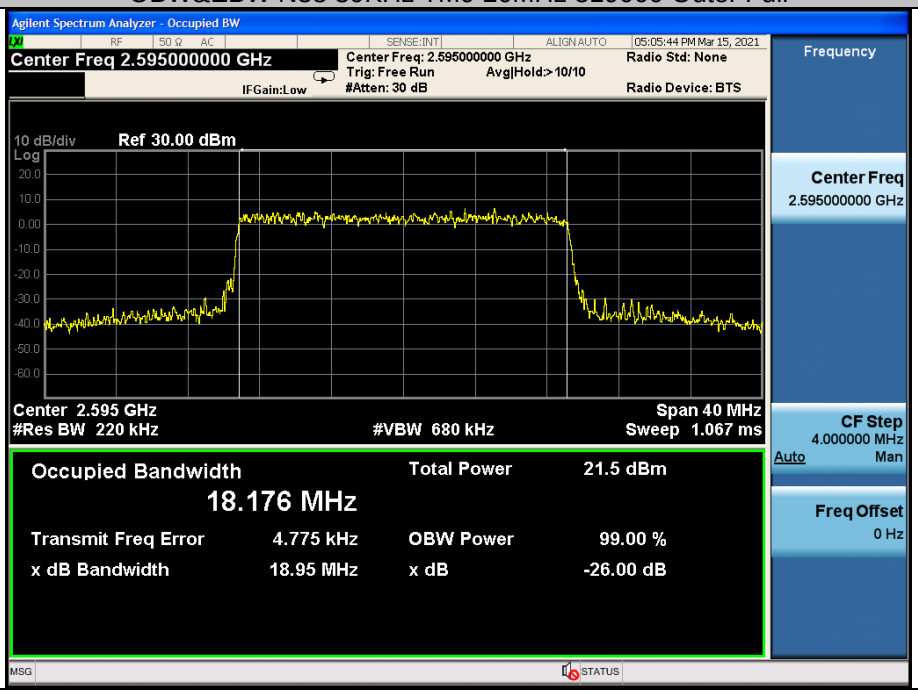
OBW&EBW N38 30KHz TM7 20MHz 519000 Outer Full



OBW&EBW N38 30KHz TM8 20MHz 519000 Outer Full



No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

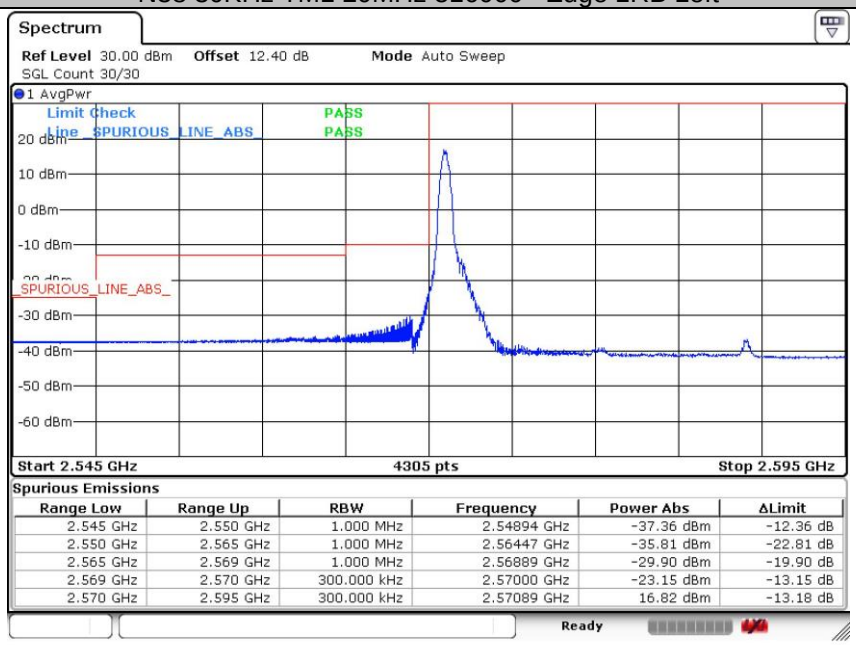
OBW&EBW N38 30KHz TM9 20MHz 519000 Outer Full


REMARK:
All antenna and all modulation had been tested, but only the worst case data displayed in this report

5 Band Edges Compliance

5.1 Test Plots

N38 30KHz TM1 20MHz 516000 Edge 1RB Left

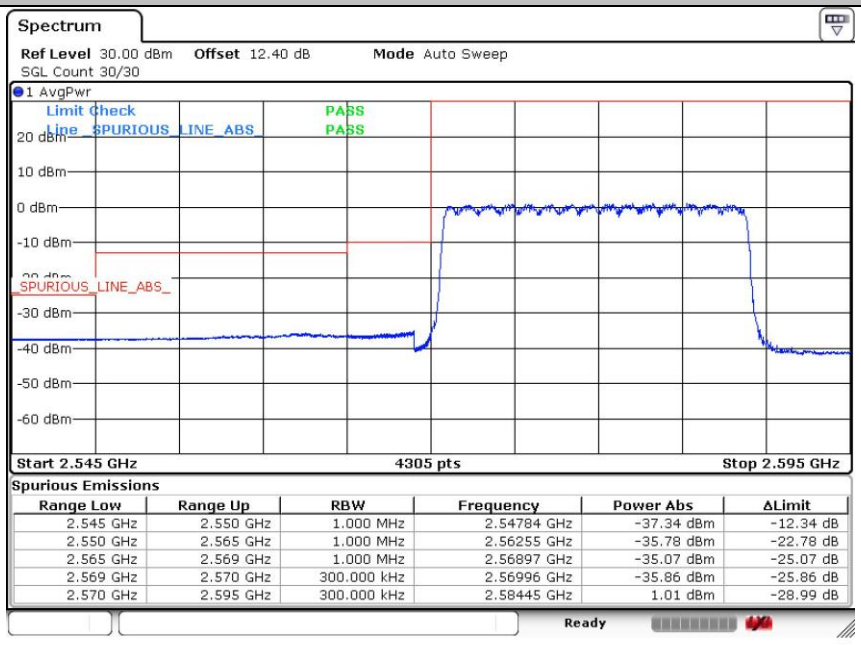


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.550 GHz	1.000 MHz	2.54894 GHz	-37.36 dBm	-12.36 dB
2.550 GHz	2.565 GHz	1.000 MHz	2.56447 GHz	-35.81 dBm	-22.81 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56889 GHz	-29.90 dBm	-19.90 dB
2.569 GHz	2.570 GHz	300.000 kHz	2.57000 GHz	-23.15 dBm	-13.15 dB
2.570 GHz	2.595 GHz	300.000 kHz	2.57089 GHz	16.82 dBm	-13.18 dB

Date: 4.MAR.2021 19:35:16

N38 30KHz TM1 20MHz 516000 Outer Full

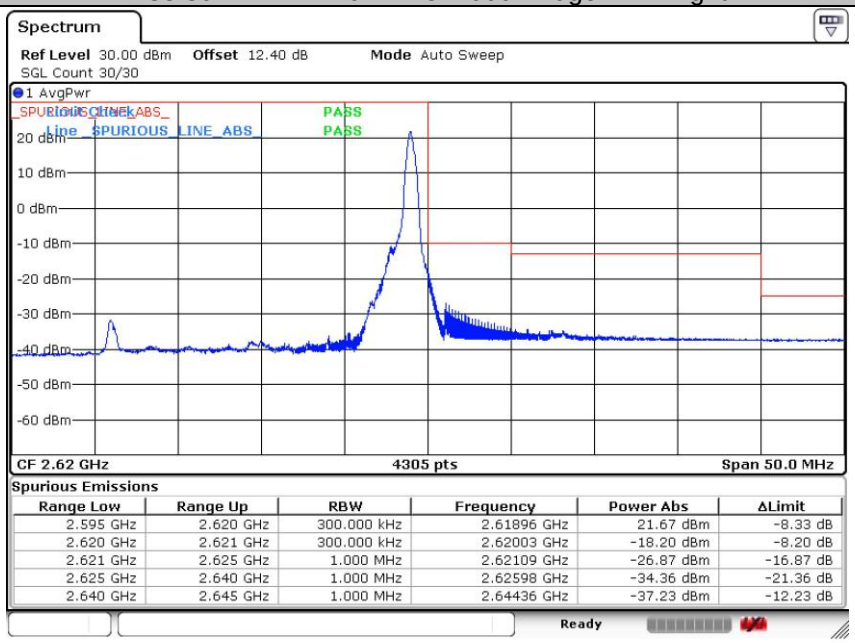


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.550 GHz	1.000 MHz	2.54784 GHz	-37.34 dBm	-12.34 dB
2.550 GHz	2.565 GHz	1.000 MHz	2.56255 GHz	-35.78 dBm	-22.78 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56897 GHz	-35.07 dBm	-25.07 dB
2.569 GHz	2.570 GHz	300.000 kHz	2.56996 GHz	-35.86 dBm	-25.86 dB
2.570 GHz	2.595 GHz	300.000 kHz	2.58445 GHz	1.01 dBm	-28.99 dB

Date: 4.MAR.2021 19:33:52

N38 30KHz TM1 20MHz 522000 Edge 1RB Right

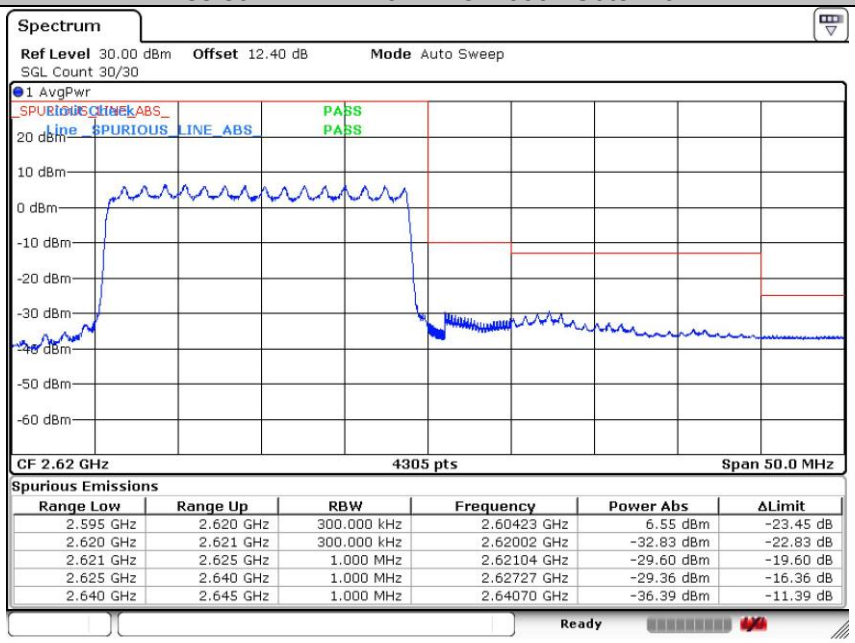


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.595 GHz	2.620 GHz	300.000 kHz	2.61896 GHz	21.67 dBm	-8.33 dB
2.620 GHz	2.621 GHz	300.000 kHz	2.62003 GHz	-18.20 dBm	-8.20 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62109 GHz	-26.87 dBm	-16.87 dB
2.625 GHz	2.640 GHz	1.000 MHz	2.62598 GHz	-34.36 dBm	-21.36 dB
2.640 GHz	2.645 GHz	1.000 MHz	2.64436 GHz	-37.23 dBm	-12.23 dB

Date: 4.MAR.2021 19:48:36

N38 30KHz TM1 20MHz 522000 Outer Full



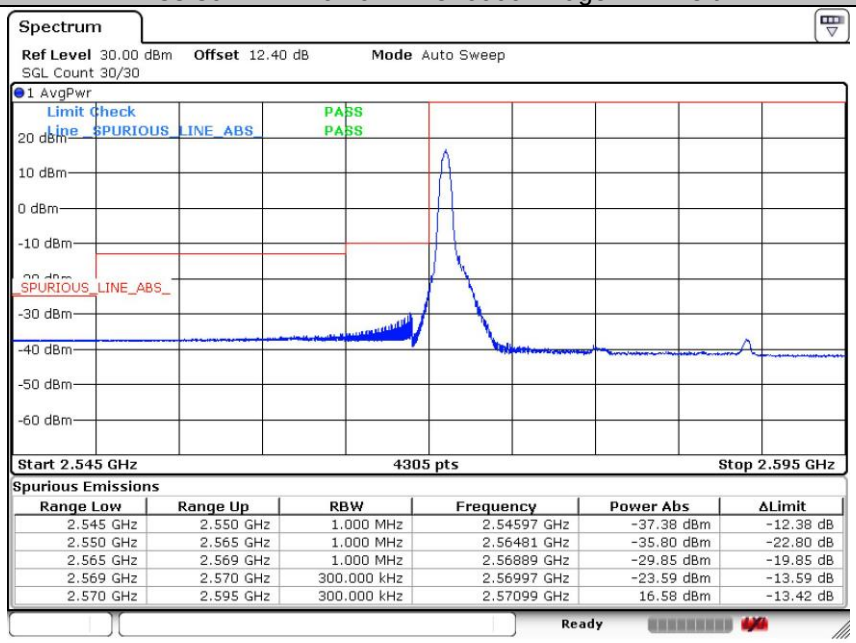
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.595 GHz	2.620 GHz	300.000 kHz	2.60423 GHz	6.55 dBm	-23.45 dB
2.620 GHz	2.621 GHz	300.000 kHz	2.62002 GHz	-32.83 dBm	-22.83 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62104 GHz	-29.60 dBm	-19.60 dB
2.625 GHz	2.640 GHz	1.000 MHz	2.62727 GHz	-29.36 dBm	-16.36 dB
2.640 GHz	2.645 GHz	1.000 MHz	2.64070 GHz	-36.39 dBm	-11.39 dB

Date: 4.MAR.2021 19:49:11

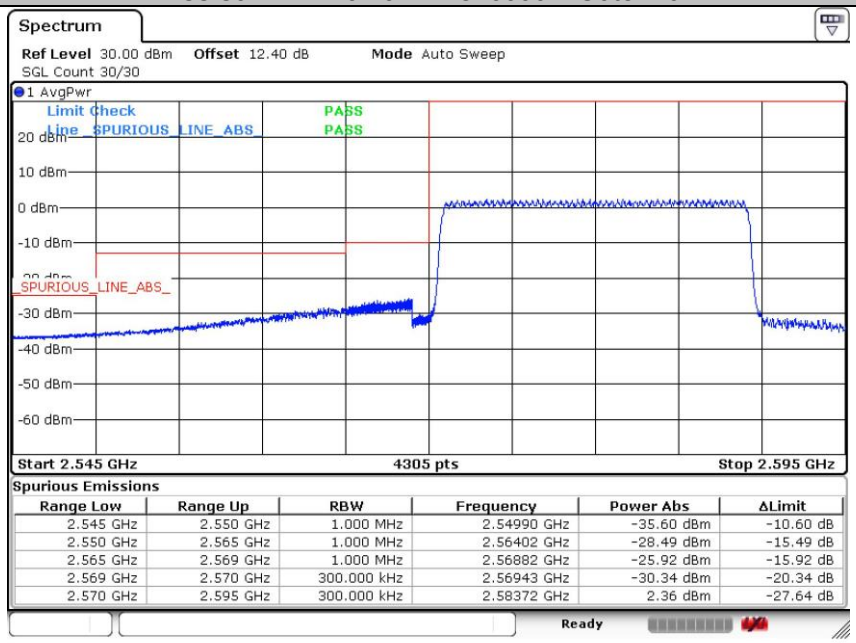
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

N38 30KHz TM6 20MHz 516000 Edge 1RB Left



Date: 4.MAR.2021 19:35:57

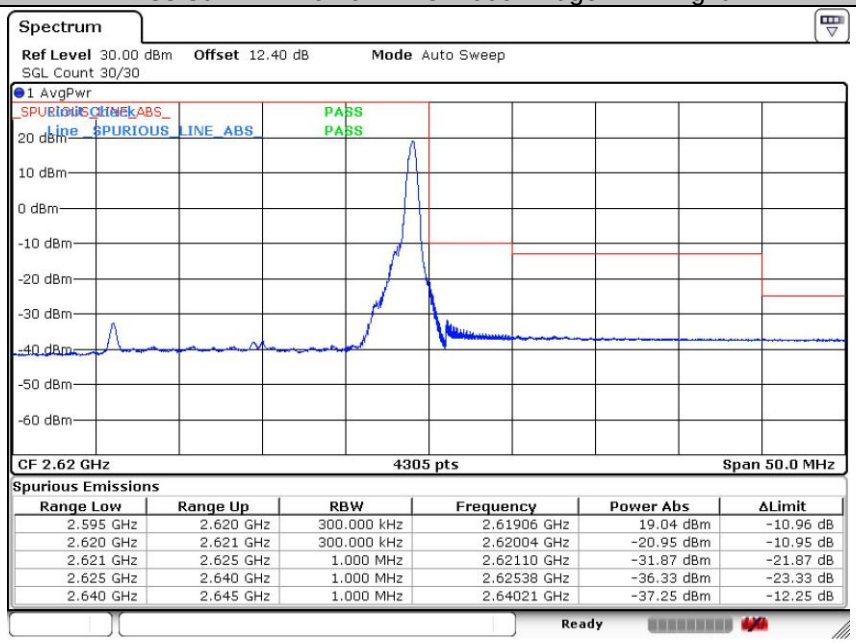
N38 30KHz TM6 20MHz 516000 Outer Full



Date: 4.MAR.2021 19:43:42

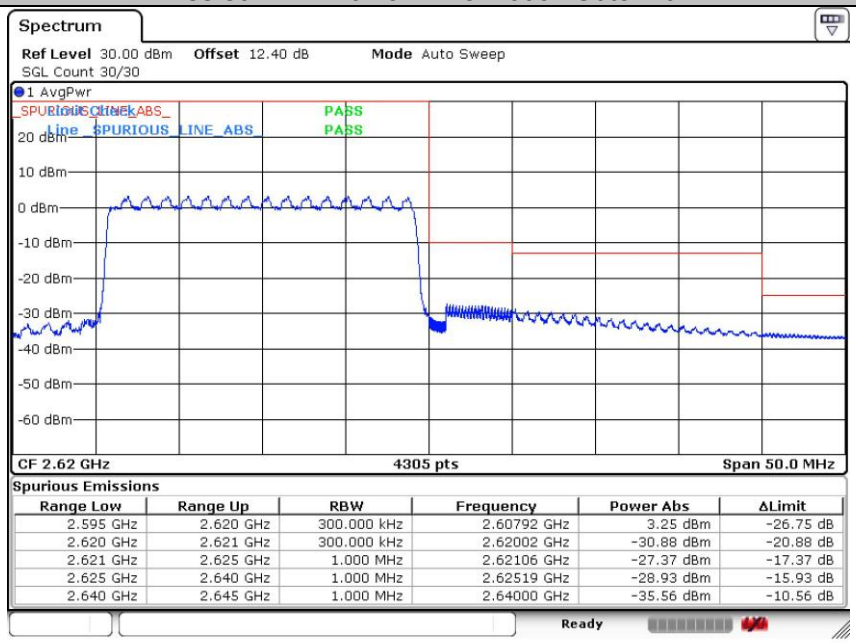
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

N38 30KHz TM6 20MHz 522000 Edge 1RB Right



Date: 4.MAR.2021 19:47:35

N38 30KHz TM6 20MHz 522000 Outer Full



Date: 4.MAR.2021 19:46:51

REMARK:
All antenna and all modulation had been tested, but only the worst case data displayed in this report

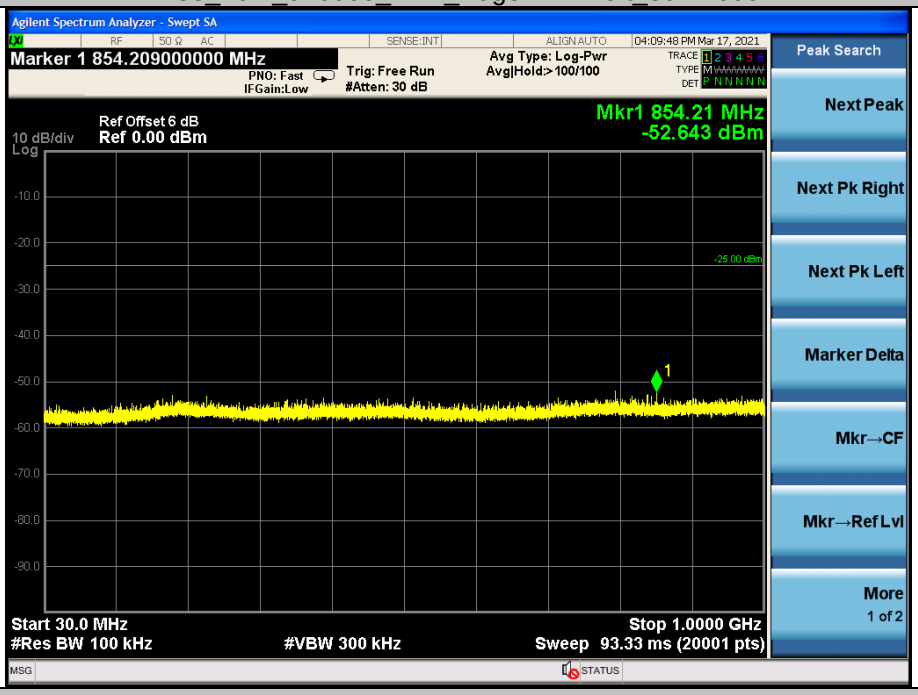
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

6 Spurious Emission at Antenna Terminal

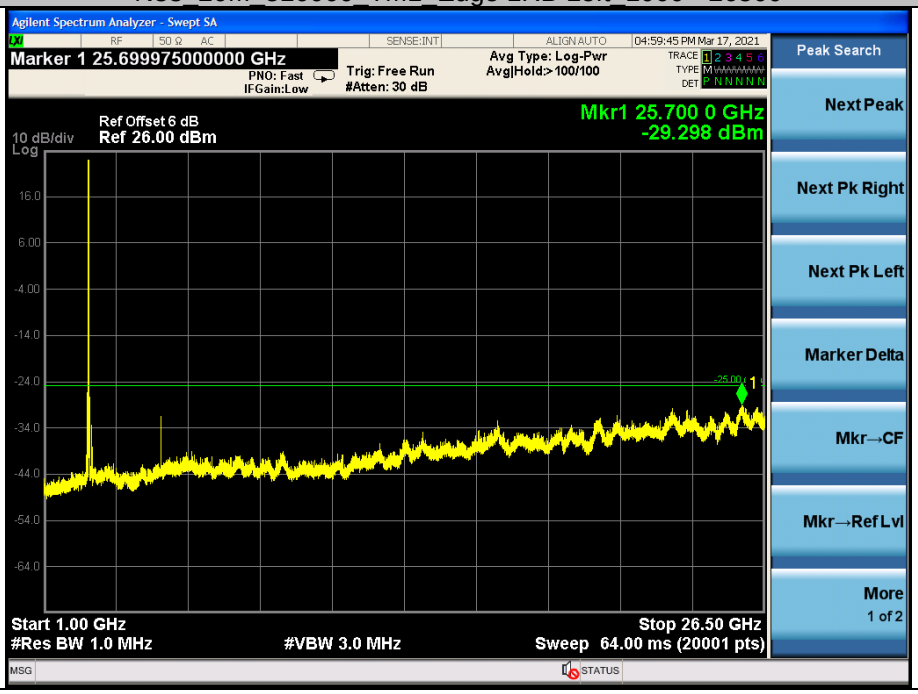
REMARK: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrow Band signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k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

6.1 Test Plots

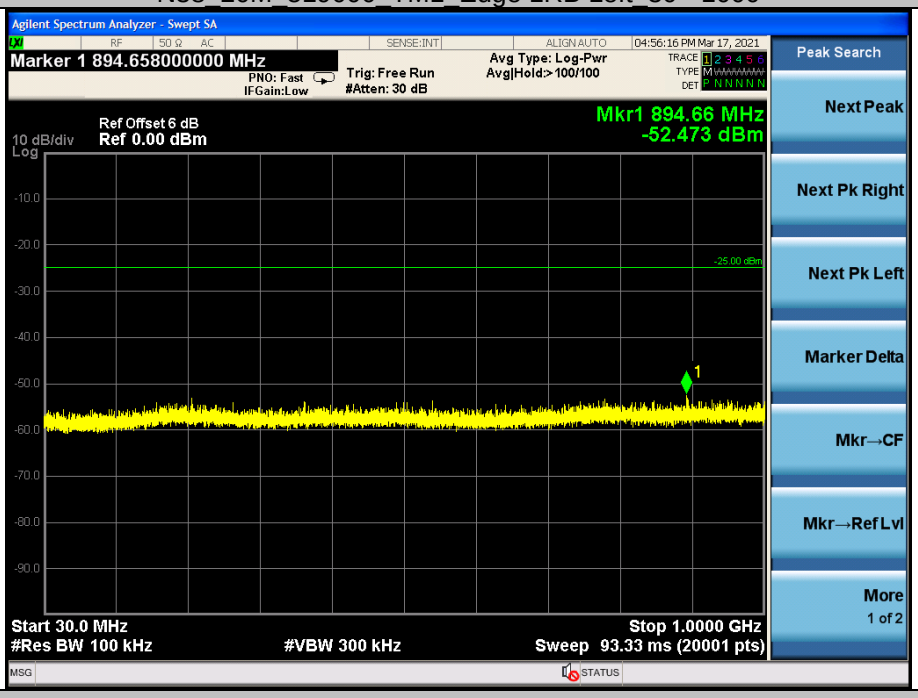
N38_20M_516000_TM1_Edge 1RB Left_30 - 1000



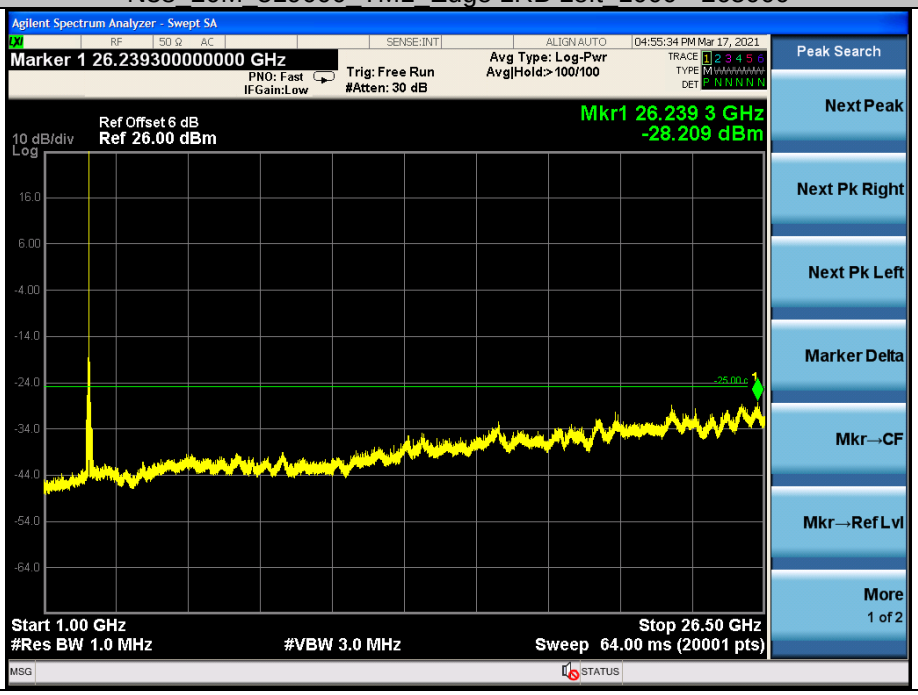
N38_20M_516000_TM1_Edge 1RB Left_1000 - 26500



N38_20M_519000_TM1_Edge 1RB Left_30 - 1000

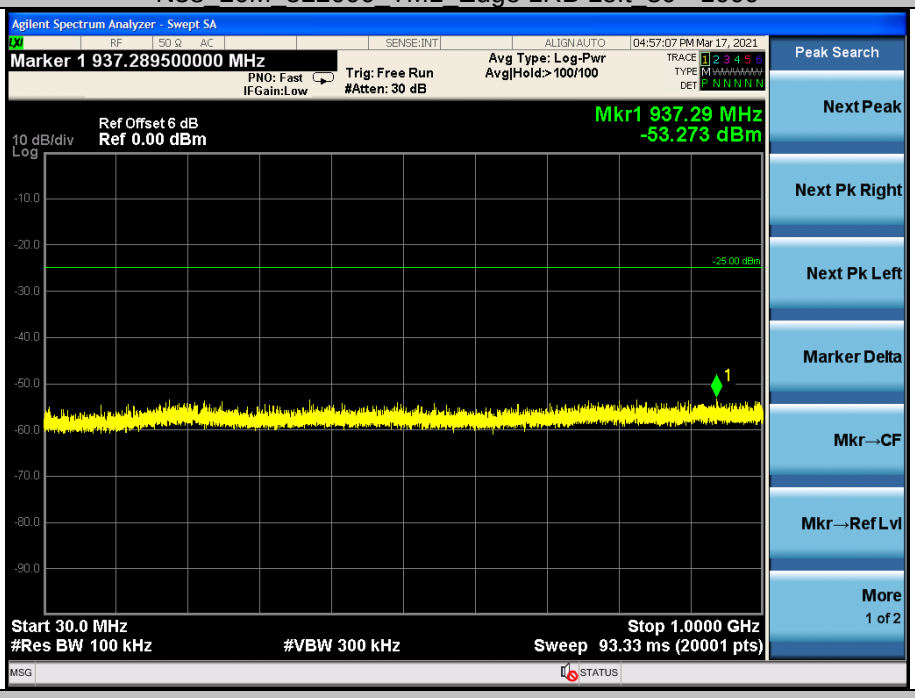


N38_20M_519000_TM1_Edge 1RB Left_1000 - 265000

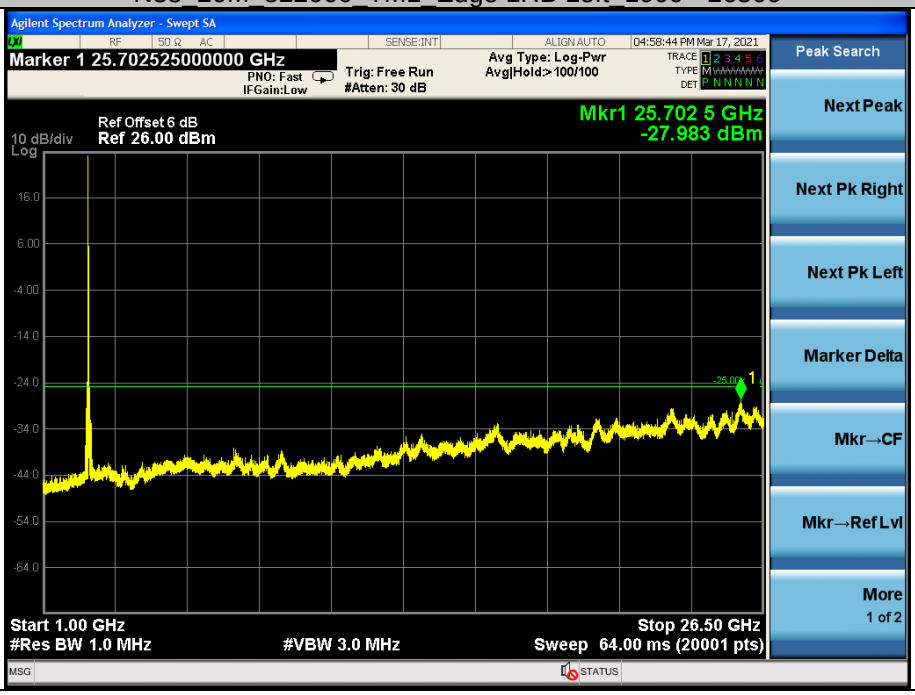


No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

N38_20M_522000_TM1_Edge 1RB Left_30 - 1000



N38_20M_522000_TM1_Edge 1RB Left_1000 - 26500



REMARK:
All antenna and all modulation had been tested, but only the worst case data displayed in this report

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

7 Frequency Stability

7.1 Frequency Error VS. Voltage

NR Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage [Vdc]	Temperature(℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N38	30KHz	20MHz	TM1	516000	Outer Full	VL	NT	-12.23	-0.00474	±2.5	PASS
N38	30KHz	20MHz	TM1	516000	Outer Full	VN	NT	12.28	0.00476	±2.5	PASS
N38	30KHz	20MHz	TM1	516000	Outer Full	VH	NT	3.50	0.00136	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VL	NT	9.07	0.00350	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VN	NT	5.77	0.00222	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VH	NT	-1.62	-0.00062	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VL	NT	-10.50	-0.00402	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VN	NT	6.83	0.00262	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VH	NT	4.52	0.00173	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VL	NT	13.46	0.00522	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VN	NT	-0.25	-0.00010	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VH	NT	12.65	0.00490	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VL	NT	1.29	0.00050	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VN	NT	-10.16	-0.00392	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VH	NT	8.70	0.00335	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VL	NT	-6.55	-0.00251	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VN	NT	1.81	0.00069	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VH	NT	7.00	0.00268	±2.5	PASS

7.2 Frequency Error VS. Temperature

NR Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage [Vdc]	Temperature(℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N38	30KHz	20MHz	TM1	516000	Outer Full	VN	-30	9.64	0.00374	±2.5	PASS
N38	30KHz	20MHz	TM1	516000	Outer Full	VN	-20	3.68	0.00143	±2.5	PASS
N38	30KHz	20MHz	TM1	516000	Outer Full	VN	-10	-9.61	-0.00372	±2.5	PASS
N38	30KHz	20MHz	TM1	516000	Outer Full	VN	0	-6.93	-0.00269	±2.5	PASS
N38	30KHz	20MHz	TM1	516000	Outer Full	VN	10	-6.71	-0.00260	±2.5	PASS
N38	30KHz	20MHz	TM1	516000	Outer Full	VN	20	-0.02	-0.00001	±2.5	PASS
N38	30KHz	20MHz	TM1	516000	Outer Full	VN	30	-9.56	-0.00371	±2.5	PASS
N38	30KHz	20MHz	TM1	516000	Outer Full	VN	40	-11.49	-0.00445	±2.5	PASS
N38	30KHz	20MHz	TM1	516000	Outer Full	VN	50	-4.55	-0.00176	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VN	-30	-6.27	-0.00242	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VN	-20	7.72	0.00297	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VN	-10	9.57	0.00369	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VN	0	-12.28	-0.00473	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VN	10	-5.00	-0.00193	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VN	20	-2.78	-0.00107	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VN	30	13.65	0.00526	±2.5	PASS

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

N38	30KHz	20MHz	TM1	519000	Outer Full	VN	40	5.95	0.00229	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VN	50	9.68	0.00373	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VN	-30	-4.33	-0.00166	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VN	-20	0.50	0.00019	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VN	-10	-6.10	-0.00234	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VN	0	-4.76	-0.00182	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VN	10	3.23	0.00124	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VN	20	10.16	0.00389	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VN	30	1.48	0.00057	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VN	40	-5.38	-0.00206	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VN	50	7.85	0.00301	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VN	-30	14.65	0.00568	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VN	-20	-11.17	-0.00433	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VN	-10	-7.40	-0.00287	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VN	0	-8.72	-0.00338	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VN	10	-8.93	-0.00346	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VN	20	-7.77	-0.00301	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VN	30	-2.96	-0.00115	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VN	40	14.57	0.00565	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VN	50	-2.27	-0.00088	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VN	-30	-9.31	-0.00359	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VN	-20	-9.10	-0.00351	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VN	-10	4.74	0.00183	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VN	0	-4.22	-0.00163	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VN	10	1.64	0.00063	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VN	20	11.84	0.00456	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VN	30	7.55	0.00291	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VN	40	14.43	0.00556	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VN	50	-5.00	-0.00193	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VN	-30	9.86	0.00378	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VN	-20	-0.13	-0.00005	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VN	-10	4.24	0.00162	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VN	0	3.79	0.00145	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VN	10	3.55	0.00136	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VN	20	-3.51	-0.00134	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VN	30	5.45	0.00209	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VN	40	-8.67	-0.00332	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VN	50	1.45	0.00056	±2.5	PASS

REMARK:
All antenna and all modulation had been tested, but only the worst case data displayed in this report

The End

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com