

Appendix B

NR band N38



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1 Effective (Isotropic) Radiated Power Output Data

ANT1:

NR Band	Bandwidth h	SCS	Modulation	Channel l	RB Config	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N38	10MHz	30KHz	TM1	515000	Inner_1RB_Left	23.38	20.63	33	PASS
N38	10MHz	30KHz	TM1	515000	Inner_1RB_Right	23.43	20.68	33	PASS
N38	10MHz	30KHz	TM1	515000	Inner_Full	23.41	20.66	33	PASS
N38	10MHz	30KHz	TM1	519000	Inner_1RB_Left	23.33	20.58	33	PASS
N38	10MHz	30KHz	TM1	519000	Inner_1RB_Right	23.23	20.48	33	PASS
N38	10MHz	30KHz	TM1	519000	Inner_Full	23.4	20.65	33	PASS
N38	10MHz	30KHz	TM1	523000	Inner_1RB_Left	23.36	20.61	33	PASS
N38	10MHz	30KHz	TM1	523000	Inner_1RB_Right	23.42	20.67	33	PASS
N38	10MHz	30KHz	TM1	523000	Inner_Full	23.37	20.62	33	PASS
N38	10MHz	30KHz	TM2	515000	Inner_1RB_Left	23.26	20.51	33	PASS
N38	10MHz	30KHz	TM2	515000	Inner_1RB_Right	23.46	20.71	33	PASS
N38	10MHz	30KHz	TM2	515000	Inner_Full	23.43	20.68	33	PASS
N38	10MHz	30KHz	TM2	519000	Inner_1RB_Left	23.46	20.71	33	PASS
N38	10MHz	30KHz	TM2	519000	Inner_1RB_Right	23.31	20.56	33	PASS
N38	10MHz	30KHz	TM2	519000	Inner_Full	23.42	20.67	33	PASS
N38	10MHz	30KHz	TM2	523000	Inner_1RB_Left	23.44	20.69	33	PASS
N38	10MHz	30KHz	TM2	523000	Inner_1RB_Right	23.47	20.72	33	PASS
N38	10MHz	30KHz	TM2	523000	Inner_Full	23.40	20.65	33	PASS
N38	10MHz	30KHz	TM3	515000	Inner_1RB_Left	22.88	20.13	33	PASS
N38	10MHz	30KHz	TM3	515000	Inner_1RB_Right	22.69	19.94	33	PASS
N38	10MHz	30KHz	TM3	515000	Inner_Full	22.51	19.76	33	PASS
N38	10MHz	30KHz	TM3	519000	Inner_1RB_Left	22.71	19.96	33	PASS
N38	10MHz	30KHz	TM3	519000	Inner_1RB_Right	22.88	20.13	33	PASS
N38	10MHz	30KHz	TM3	519000	Inner_Full	22.57	19.82	33	PASS
N38	10MHz	30KHz	TM3	523000	Inner_1RB_Left	22.85	20.1	33	PASS
N38	10MHz	30KHz	TM3	523000	Inner_1RB_Right	22.76	20.01	33	PASS
N38	10MHz	30KHz	TM3	523000	Inner_Full	22.58	19.83	33	PASS
N38	10MHz	30KHz	TM4	515000	Inner_1RB_Left	21.25	18.5	33	PASS
N38	10MHz	30KHz	TM4	515000	Inner_1RB_Right	21.08	18.33	33	PASS
N38	10MHz	30KHz	TM4	515000	Inner_Full	20.99	18.24	33	PASS
N38	10MHz	30KHz	TM4	519000	Inner_1RB_Left	20.85	18.1	33	PASS
N38	10MHz	30KHz	TM4	519000	Inner_1RB_Right	21.04	18.29	33	PASS
N38	10MHz	30KHz	TM4	519000	Inner_Full	21.15	18.4	33	PASS
N38	10MHz	30KHz	TM4	523000	Inner_1RB_Left	20.96	18.21	33	PASS
N38	10MHz	30KHz	TM4	523000	Inner_1RB_Right	20.85	18.1	33	PASS
N38	10MHz	30KHz	TM4	523000	Inner_Full	21.11	18.36	33	PASS
N38	10MHz	30KHz	TM5	515000	Inner_1RB_Left	19.18	16.43	33	PASS
N38	10MHz	30KHz	TM5	515000	Inner_1RB_Right	18.95	16.2	33	PASS
N38	10MHz	30KHz	TM5	515000	Inner_Full	19.11	16.36	33	PASS
N38	10MHz	30KHz	TM5	519000	Inner_1RB_Left	19.10	16.35	33	PASS



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N38	10MHz	30KHz	TM5	519000	Inner_1RB_Right	19.29	16.54	33	PASS
N38	10MHz	30KHz	TM5	519000	Inner_Full	13.46	10.71	33	PASS
N38	10MHz	30KHz	TM5	523000	Inner_1RB_Left	19.23	16.48	33	PASS
N38	10MHz	30KHz	TM5	523000	Inner_1RB_Right	19.14	16.39	33	PASS
N38	10MHz	30KHz	TM5	523000	Inner_Full	19.10	16.35	33	PASS
N38	10MHz	30KHz	TM6	515000	Inner_1RB_Left	22.34	19.59	33	PASS
N38	10MHz	30KHz	TM6	515000	Inner_1RB_Right	22.25	19.5	33	PASS
N38	10MHz	30KHz	TM6	515000	Inner_Full	22.10	19.35	33	PASS
N38	10MHz	30KHz	TM6	519000	Inner_1RB_Left	22.03	19.28	33	PASS
N38	10MHz	30KHz	TM6	519000	Inner_1RB_Right	22.39	19.64	33	PASS
N38	10MHz	30KHz	TM6	519000	Inner_Full	22.08	19.33	33	PASS
N38	10MHz	30KHz	TM6	523000	Inner_1RB_Left	22.64	19.89	33	PASS
N38	10MHz	30KHz	TM6	523000	Inner_1RB_Right	22.56	19.81	33	PASS
N38	10MHz	30KHz	TM6	523000	Inner_Full	22.60	19.85	33	PASS
N38	10MHz	30KHz	TM7	515000	Inner_1RB_Left	21.50	18.75	33	PASS
N38	10MHz	30KHz	TM7	515000	Inner_1RB_Right	21.37	18.62	33	PASS
N38	10MHz	30KHz	TM7	515000	Inner_Full	21.65	18.9	33	PASS
N38	10MHz	30KHz	TM7	519000	Inner_1RB_Left	21.19	18.44	33	PASS
N38	10MHz	30KHz	TM7	519000	Inner_1RB_Right	21.42	18.67	33	PASS
N38	10MHz	30KHz	TM7	519000	Inner_Full	21.71	18.96	33	PASS
N38	10MHz	30KHz	TM7	523000	Inner_1RB_Left	21.85	19.1	33	PASS
N38	10MHz	30KHz	TM7	523000	Inner_1RB_Right	21.75	19	33	PASS
N38	10MHz	30KHz	TM7	523000	Inner_Full	21.59	18.84	33	PASS
N38	10MHz	30KHz	TM8	515000	Inner_1RB_Left	20.14	17.39	33	PASS
N38	10MHz	30KHz	TM8	515000	Inner_1RB_Right	19.99	17.24	33	PASS
N38	10MHz	30KHz	TM8	515000	Inner_Full	20.13	17.38	33	PASS
N38	10MHz	30KHz	TM8	519000	Inner_1RB_Left	19.86	17.11	33	PASS
N38	10MHz	30KHz	TM8	519000	Inner_1RB_Right	20.06	17.31	33	PASS
N38	10MHz	30KHz	TM8	519000	Inner_Full	20.10	17.35	33	PASS
N38	10MHz	30KHz	TM8	523000	Inner_1RB_Left	20.98	18.23	33	PASS
N38	10MHz	30KHz	TM8	523000	Inner_1RB_Right	20.83	18.08	33	PASS
N38	10MHz	30KHz	TM8	523000	Inner_Full	21.11	18.36	33	PASS
N38	10MHz	30KHz	TM9	515000	Inner_1RB_Left	17.12	14.37	33	PASS
N38	10MHz	30KHz	TM9	515000	Inner_1RB_Right	16.95	14.2	33	PASS
N38	10MHz	30KHz	TM9	515000	Inner_Full	17.19	14.44	33	PASS
N38	10MHz	30KHz	TM9	519000	Inner_1RB_Left	17.07	14.32	33	PASS
N38	10MHz	30KHz	TM9	519000	Inner_1RB_Right	17.27	14.52	33	PASS
N38	10MHz	30KHz	TM9	519000	Inner_Full	17.20	14.45	33	PASS
N38	10MHz	30KHz	TM9	523000	Inner_1RB_Left	18.24	15.49	33	PASS
N38	10MHz	30KHz	TM9	523000	Inner_1RB_Right	18.15	15.4	33	PASS
N38	10MHz	30KHz	TM9	523000	Inner_Full	18.11	15.36	33	PASS
N38	20MHz	30KHz	TM1	516000	Inner_1RB_Left	23.35	20.6	33	PASS
N38	20MHz	30KHz	TM1	516000	Inner_1RB_Right	23.3	20.55	33	PASS
N38	20MHz	30KHz	TM1	516000	Inner_Full	23.42	20.67	33	PASS
N38	20MHz	30KHz	TM1	519000	Inner_1RB_Left	23.24	20.49	33	PASS
N38	20MHz	30KHz	TM1	519000	Inner_1RB_Right	23.46	20.71	33	PASS
N38	20MHz	30KHz	TM1	519000	Inner_Full	23.30	20.55	33	PASS
N38	20MHz	30KHz	TM1	522000	Inner_1RB_Left	23.46	20.71	33	PASS



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N38	20MHz	30KHz	TM1	522000	Inner_1RB_Right	23.43	20.68	33	PASS
N38	20MHz	30KHz	TM1	522000	Inner_Full	23.38	20.63	33	PASS
N38	20MHz	30KHz	TM2	516000	Inner_1RB_Left	23.44	20.69	33	PASS
N38	20MHz	30KHz	TM2	516000	Inner_1RB_Right	23.46	20.71	33	PASS
N38	20MHz	30KHz	TM2	516000	Inner_Full	23.42	20.67	33	PASS
N38	20MHz	30KHz	TM2	519000	Inner_1RB_Left	23.34	20.59	33	PASS
N38	20MHz	30KHz	TM2	519000	Inner_1RB_Right	23.44	20.69	33	PASS
N38	20MHz	30KHz	TM2	519000	Inner_Full	23.48	20.73	33	PASS
N38	20MHz	30KHz	TM2	522000	Inner_1RB_Left	23.42	20.67	33	PASS
N38	20MHz	30KHz	TM2	522000	Inner_1RB_Right	23.45	20.7	33	PASS
N38	20MHz	30KHz	TM2	522000	Inner_Full	23.48	20.73	33	PASS
N38	20MHz	30KHz	TM3	516000	Inner_1RB_Left	22.77	20.02	33	PASS
N38	20MHz	30KHz	TM3	516000	Inner_1RB_Right	22.57	19.82	33	PASS
N38	20MHz	30KHz	TM3	516000	Inner_Full	22.50	19.75	33	PASS
N38	20MHz	30KHz	TM3	519000	Inner_1RB_Left	22.45	19.7	33	PASS
N38	20MHz	30KHz	TM3	519000	Inner_1RB_Right	22.85	20.1	33	PASS
N38	20MHz	30KHz	TM3	519000	Inner_Full	22.60	19.85	33	PASS
N38	20MHz	30KHz	TM3	522000	Inner_1RB_Left	22.73	19.98	33	PASS
N38	20MHz	30KHz	TM3	522000	Inner_1RB_Right	22.60	19.85	33	PASS
N38	20MHz	30KHz	TM3	522000	Inner_Full	22.67	19.92	33	PASS
N38	20MHz	30KHz	TM4	516000	Inner_1RB_Left	21.41	18.66	33	PASS
N38	20MHz	30KHz	TM4	516000	Inner_1RB_Right	21.54	18.79	33	PASS
N38	20MHz	30KHz	TM4	516000	Inner_Full	21.11	18.36	33	PASS
N38	20MHz	30KHz	TM4	519000	Inner_1RB_Left	20.82	18.07	33	PASS
N38	20MHz	30KHz	TM4	519000	Inner_1RB_Right	21.09	18.34	33	PASS
N38	20MHz	30KHz	TM4	519000	Inner_Full	21.19	18.44	33	PASS
N38	20MHz	30KHz	TM4	522000	Inner_1RB_Left	20.96	18.21	33	PASS
N38	20MHz	30KHz	TM4	522000	Inner_1RB_Right	21.45	18.7	33	PASS
N38	20MHz	30KHz	TM4	522000	Inner_Full	21.23	18.48	33	PASS
N38	20MHz	30KHz	TM5	516000	Inner_1RB_Left	19.11	16.36	33	PASS
N38	20MHz	30KHz	TM5	516000	Inner_1RB_Right	18.91	16.16	33	PASS
N38	20MHz	30KHz	TM5	516000	Inner_Full	18.57	15.82	33	PASS
N38	20MHz	30KHz	TM5	519000	Inner_1RB_Left	18.90	16.15	33	PASS
N38	20MHz	30KHz	TM5	519000	Inner_1RB_Right	19.23	16.48	33	PASS
N38	20MHz	30KHz	TM5	519000	Inner_Full	19.01	16.26	33	PASS
N38	20MHz	30KHz	TM5	522000	Inner_1RB_Left	19.12	16.37	33	PASS
N38	20MHz	30KHz	TM5	522000	Inner_1RB_Right	18.97	16.22	33	PASS
N38	20MHz	30KHz	TM5	522000	Inner_Full	18.42	15.67	33	PASS
N38	20MHz	30KHz	TM6	516000	Inner_1RB_Left	22.05	19.3	33	PASS
N38	20MHz	30KHz	TM6	516000	Inner_1RB_Right	21.99	19.24	33	PASS
N38	20MHz	30KHz	TM6	516000	Inner_Full	22.02	19.27	33	PASS
N38	20MHz	30KHz	TM6	519000	Inner_1RB_Left	22.41	19.66	33	PASS
N38	20MHz	30KHz	TM6	519000	Inner_1RB_Right	22.70	19.95	33	PASS
N38	20MHz	30KHz	TM6	519000	Inner_Full	22.61	19.86	33	PASS
N38	20MHz	30KHz	TM6	522000	Inner_1RB_Left	22.02	19.27	33	PASS
N38	20MHz	30KHz	TM6	522000	Inner_1RB_Right	22.04	19.29	33	PASS
N38	20MHz	30KHz	TM6	522000	Inner_Full	22.18	19.43	33	PASS
N38	20MHz	30KHz	TM7	516000	Inner_1RB_Left	21.29	18.54	33	PASS



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N38	20MHz	30KHz	TM7	516000	Inner_1RB_Right	21.13	18.38	33	PASS
N38	20MHz	30KHz	TM7	516000	Inner_Full	21.57	18.82	33	PASS
N38	20MHz	30KHz	TM7	519000	Inner_1RB_Left	22.49	19.74	33	PASS
N38	20MHz	30KHz	TM7	519000	Inner_1RB_Right	22.84	20.09	33	PASS
N38	20MHz	30KHz	TM7	519000	Inner_Full	22.63	19.88	33	PASS
N38	20MHz	30KHz	TM7	522000	Inner_1RB_Left	21.32	18.57	33	PASS
N38	20MHz	30KHz	TM7	522000	Inner_1RB_Right	21.21	18.46	33	PASS
N38	20MHz	30KHz	TM7	522000	Inner_Full	21.74	18.99	33	PASS
N38	20MHz	30KHz	TM8	516000	Inner_1RB_Left	20.03	17.28	33	PASS
N38	20MHz	30KHz	TM8	516000	Inner_1RB_Right	19.90	17.15	33	PASS
N38	20MHz	30KHz	TM8	516000	Inner_Full	20.06	17.31	33	PASS
N38	20MHz	30KHz	TM8	519000	Inner_1RB_Left	20.87	18.12	33	PASS
N38	20MHz	30KHz	TM8	519000	Inner_1RB_Right	21.17	18.42	33	PASS
N38	20MHz	30KHz	TM8	519000	Inner_Full	21.17	18.42	33	PASS
N38	20MHz	30KHz	TM8	522000	Inner_1RB_Left	19.98	17.23	33	PASS
N38	20MHz	30KHz	TM8	522000	Inner_1RB_Right	19.90	17.15	33	PASS
N38	20MHz	30KHz	TM8	522000	Inner_Full	20.17	17.42	33	PASS
N38	20MHz	30KHz	TM9	516000	Inner_1RB_Left	17.02	14.27	33	PASS
N38	20MHz	30KHz	TM9	516000	Inner_1RB_Right	16.92	14.17	33	PASS
N38	20MHz	30KHz	TM9	516000	Inner_Full	16.92	14.17	33	PASS
N38	20MHz	30KHz	TM9	519000	Inner_1RB_Left	18.83	16.08	33	PASS
N38	20MHz	30KHz	TM9	519000	Inner_1RB_Right	19.24	16.49	33	PASS
N38	20MHz	30KHz	TM9	519000	Inner_Full	16.98	14.23	33	PASS
N38	20MHz	30KHz	TM9	522000	Inner_1RB_Left	17.04	14.29	33	PASS
N38	20MHz	30KHz	TM9	522000	Inner_1RB_Right	16.96	14.21	33	PASS
N38	20MHz	30KHz	TM9	522000	Inner_Full	17.03	14.28	33	PASS

Note:

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

$$\text{EIRP [dBm]} = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$

$$\text{ERP [dBm]} = \text{Conducted Power [dBm]} + \text{Gain [dBi]} - 2.15$$



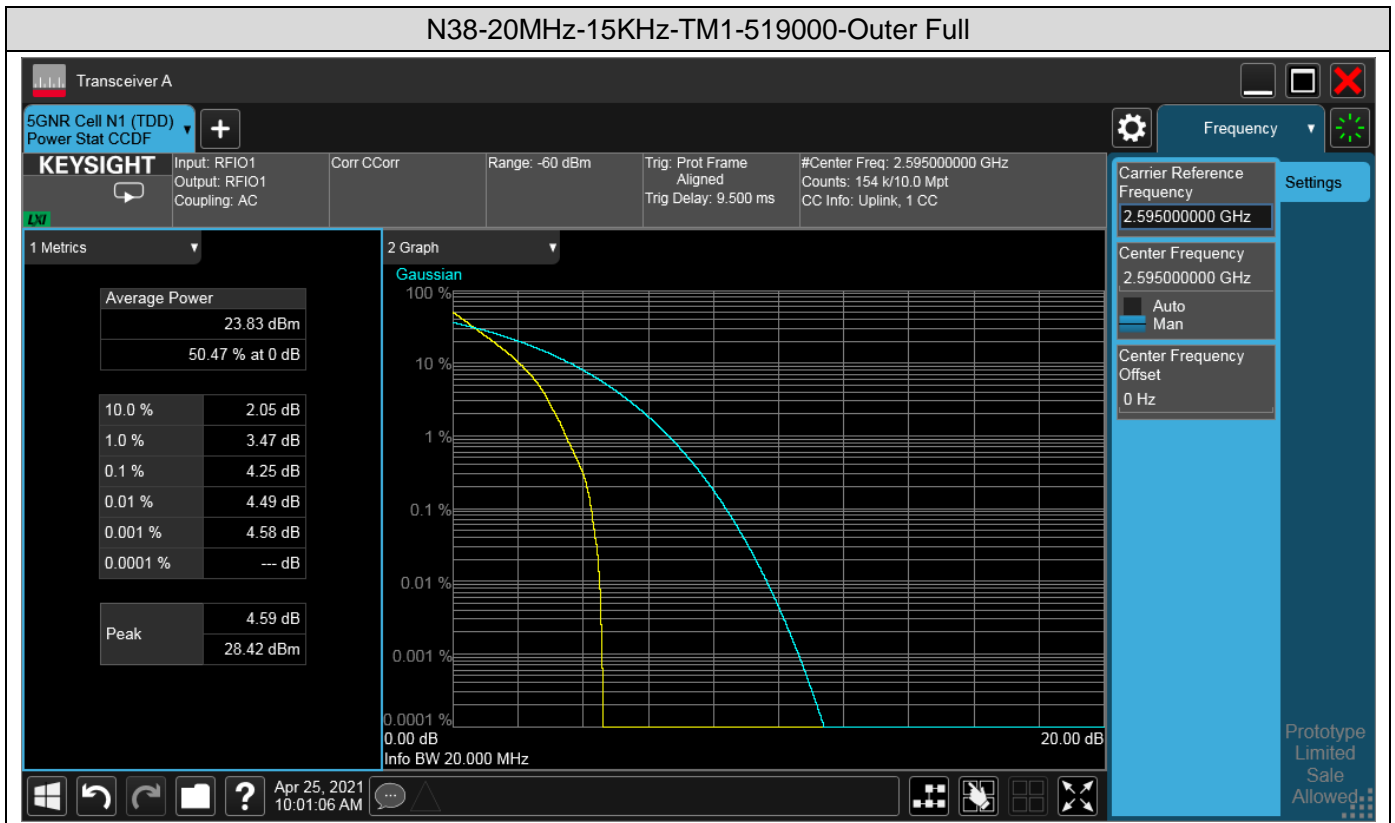
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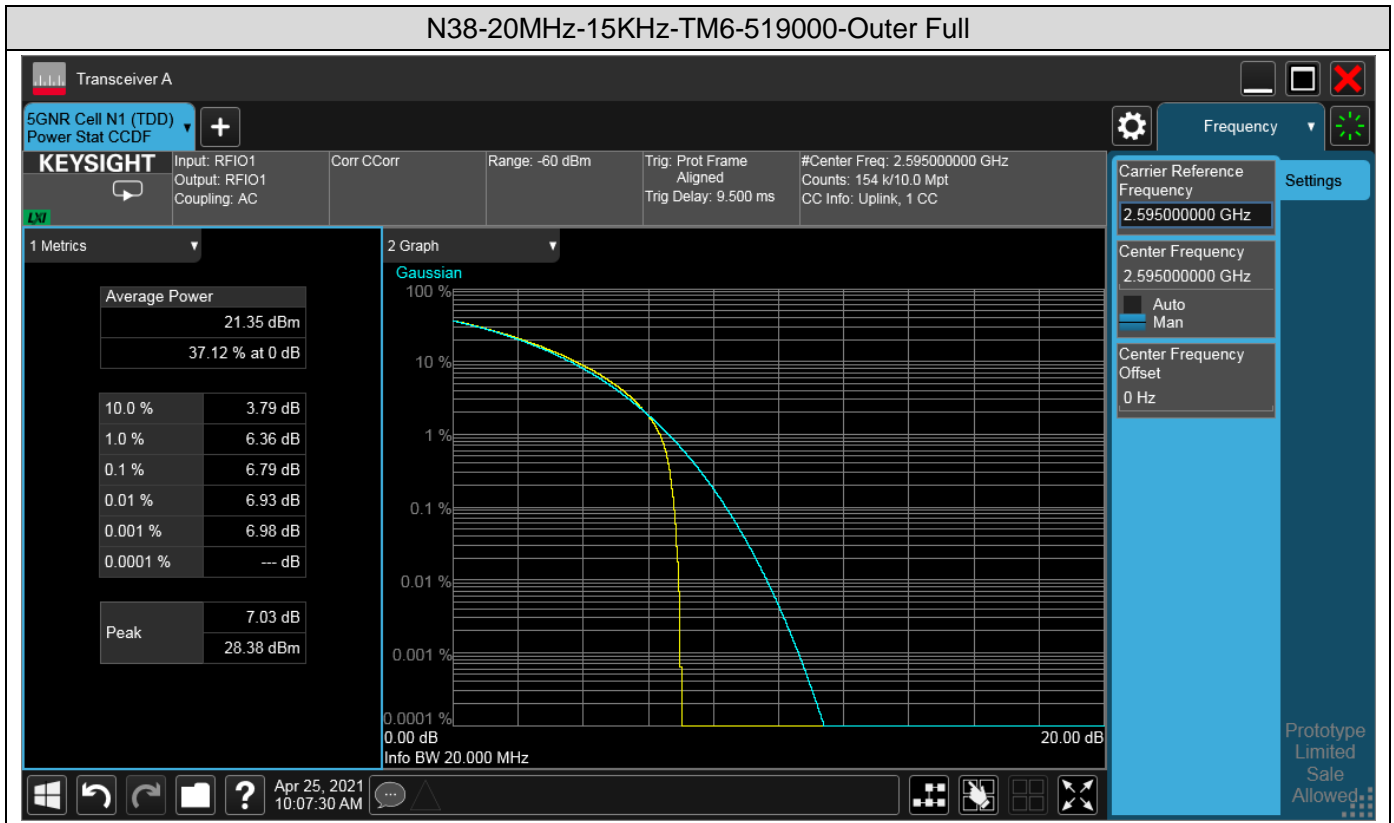
2 Peak-to-Average Ratio

2.1 Test Results

NR Band	Bandwidth	SCS	Modulation	Channel	RB Config	Result (dB)	Limit (dBm)	Verdict
N38	20MHz	30KHz	TM1	519000	Outer Full	4.25	13	PASS
N38	20MHz	30KHz	TM6	519000	Outer Full	6.79	13	PASS

2.2 Test Plots





REMARK:

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



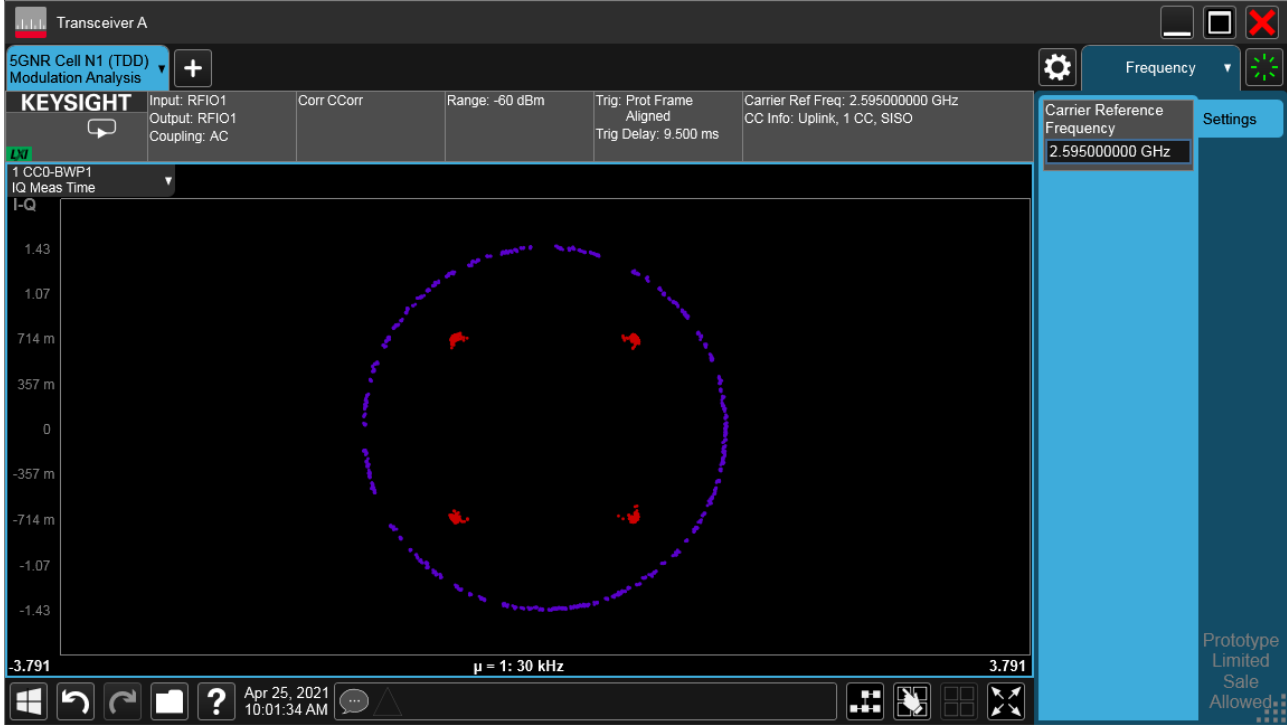
3 Modulation Characteristics

3.1 Test Plots

3.1.1 Test Band = N38

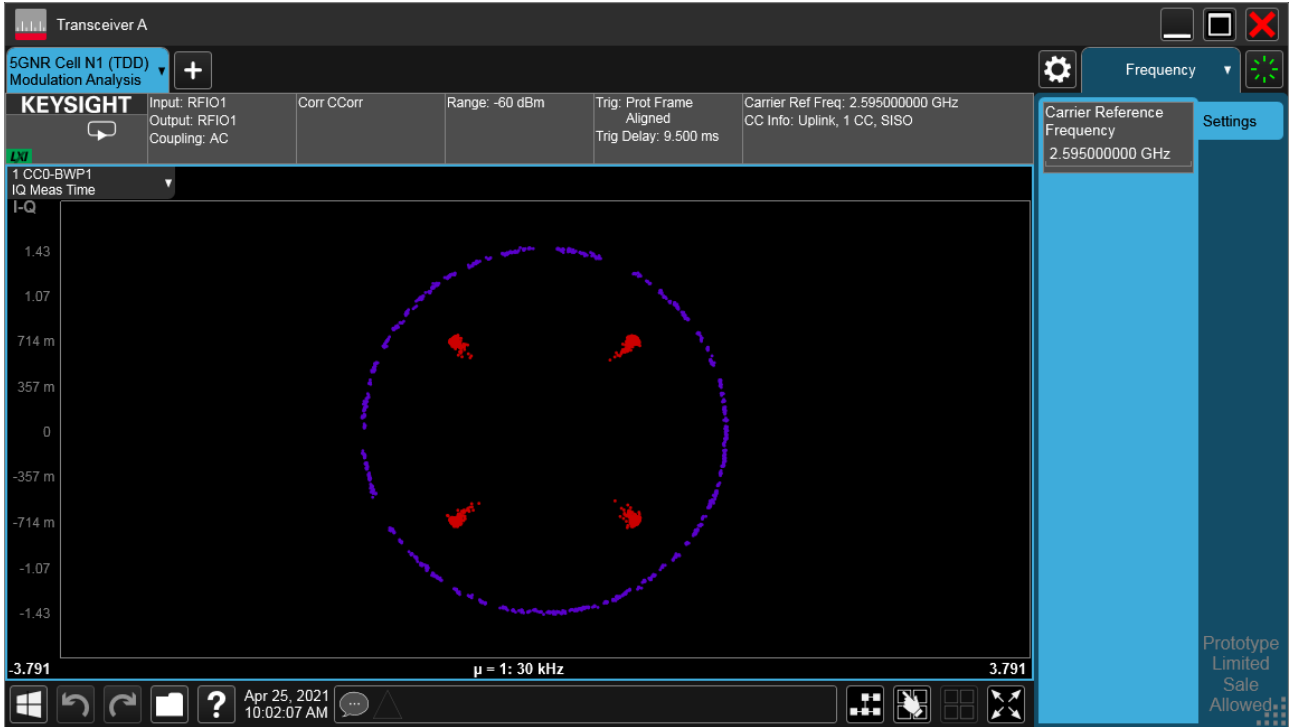
3.1.1.1 Test Mode = TM1 20MHz

3.1.1.1.1 Test Channel = MCH

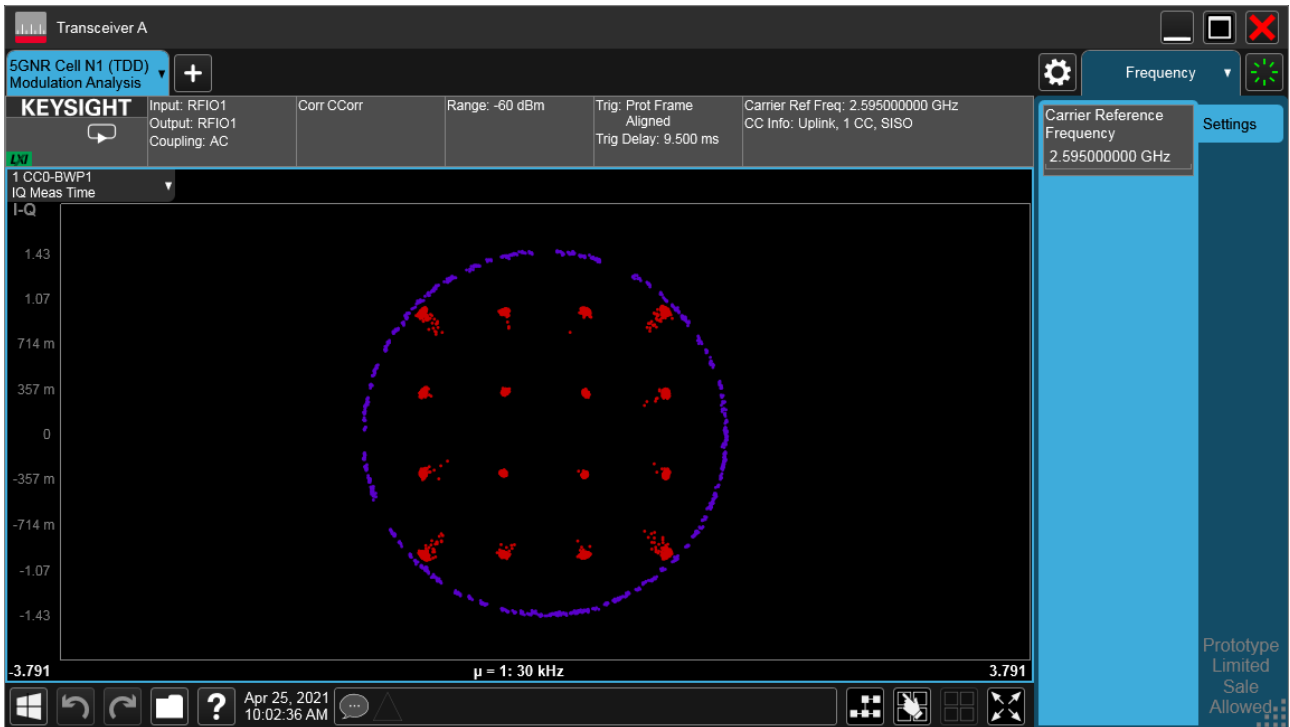


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3.1.1.2 Test Mode = TM2 20MHz
3.1.1.2.1 Test Channel = MCH



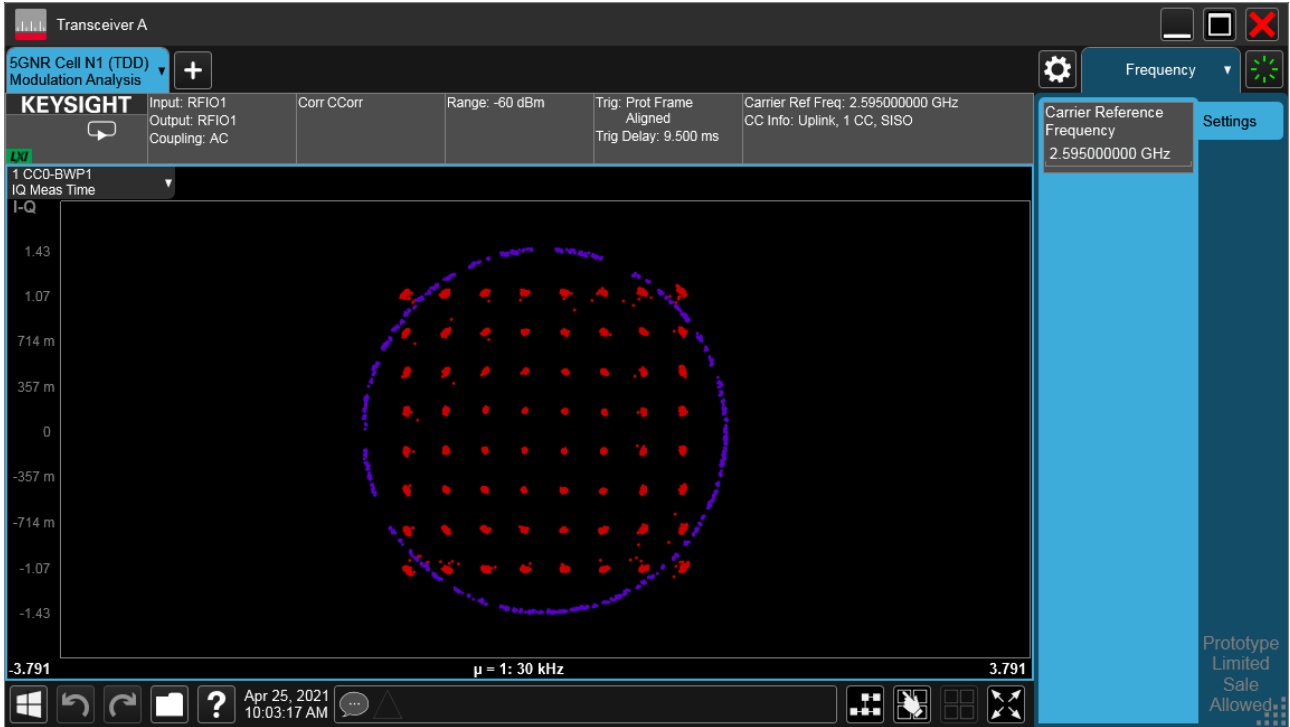
3.1.1.3 Test Mode = TM3 20MHz
3.1.1.3.1 Test Channel = MCH



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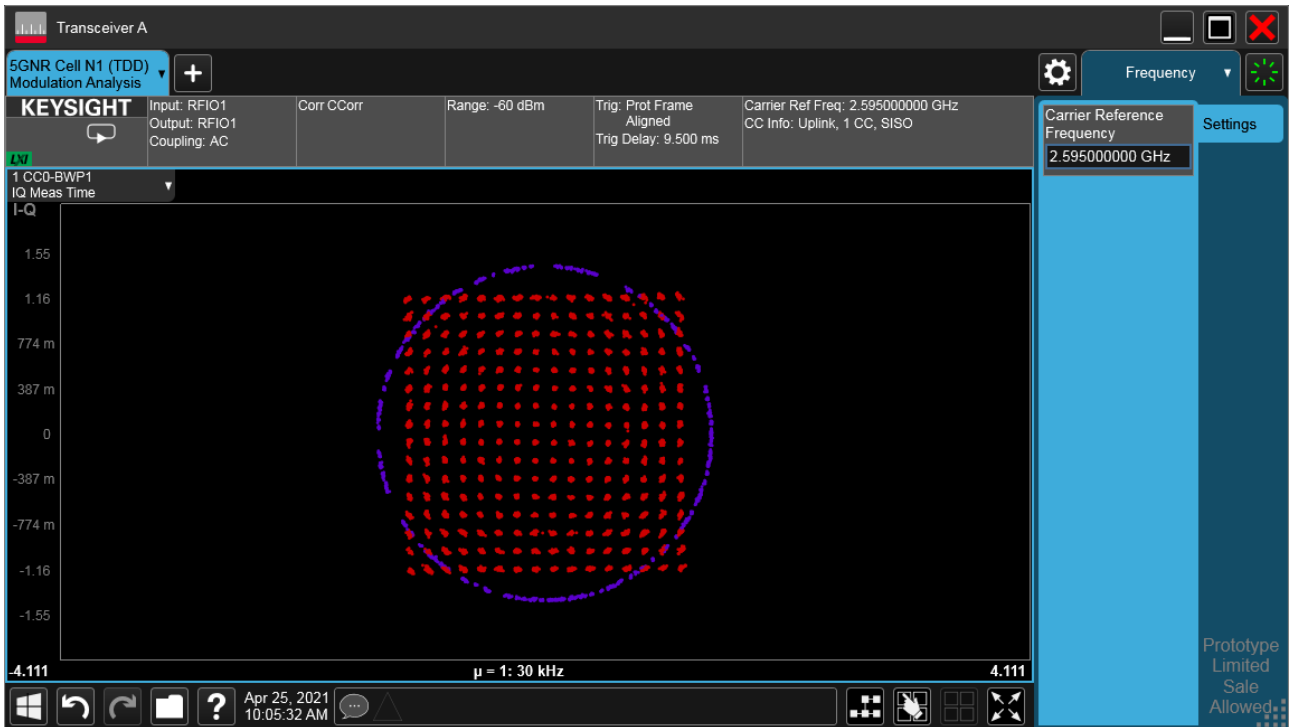
3.1.1.4 Test Mode = TM4 20MHz

3.1.1.4.1 Test Channel = MCH



3.1.1.5 Test Mode = TM5 20MHz

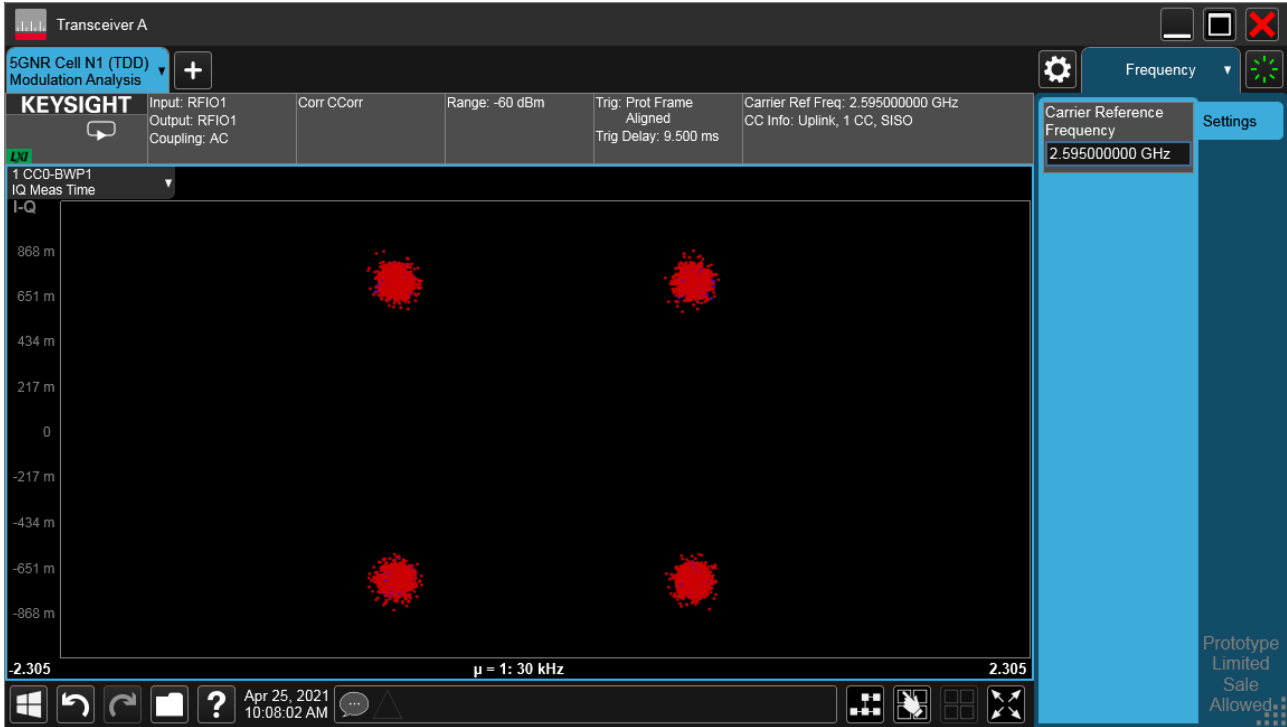
3.1.1.5.1 Test Channel = MCH



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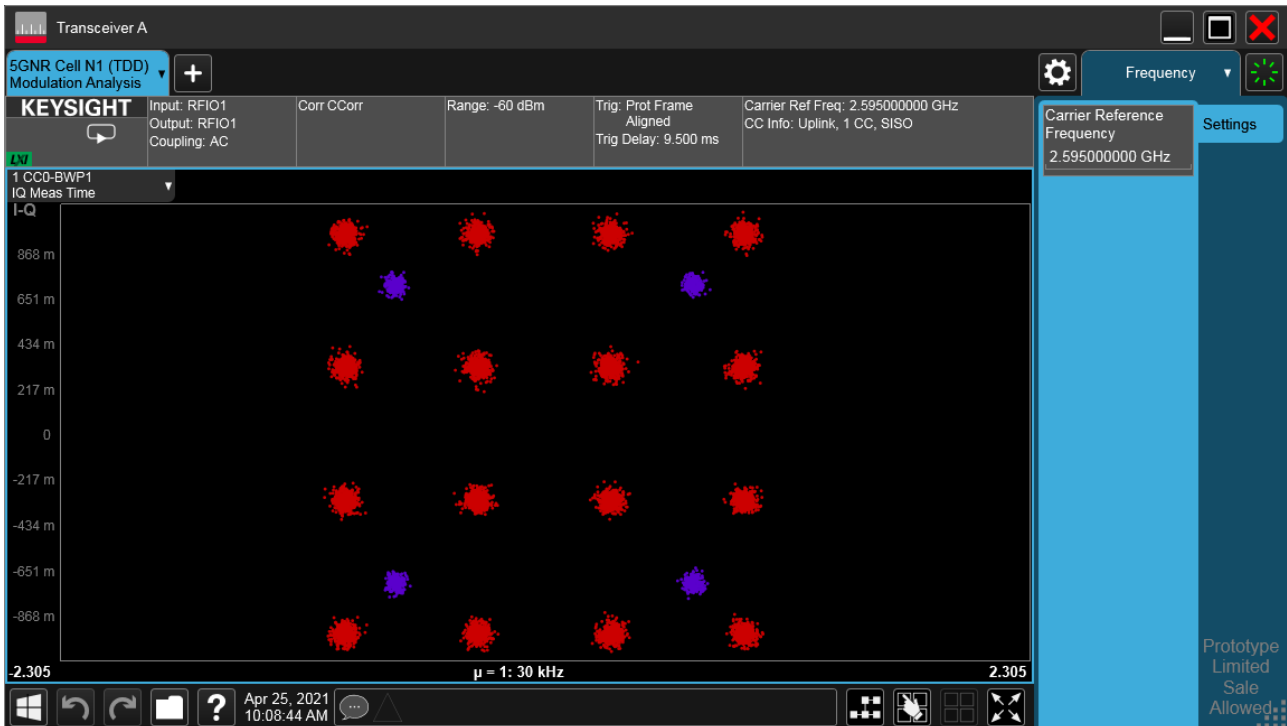
3.1.1.6 Test Mode = TM6 20MHz

3.1.1.6.1 Test Channel = MCH



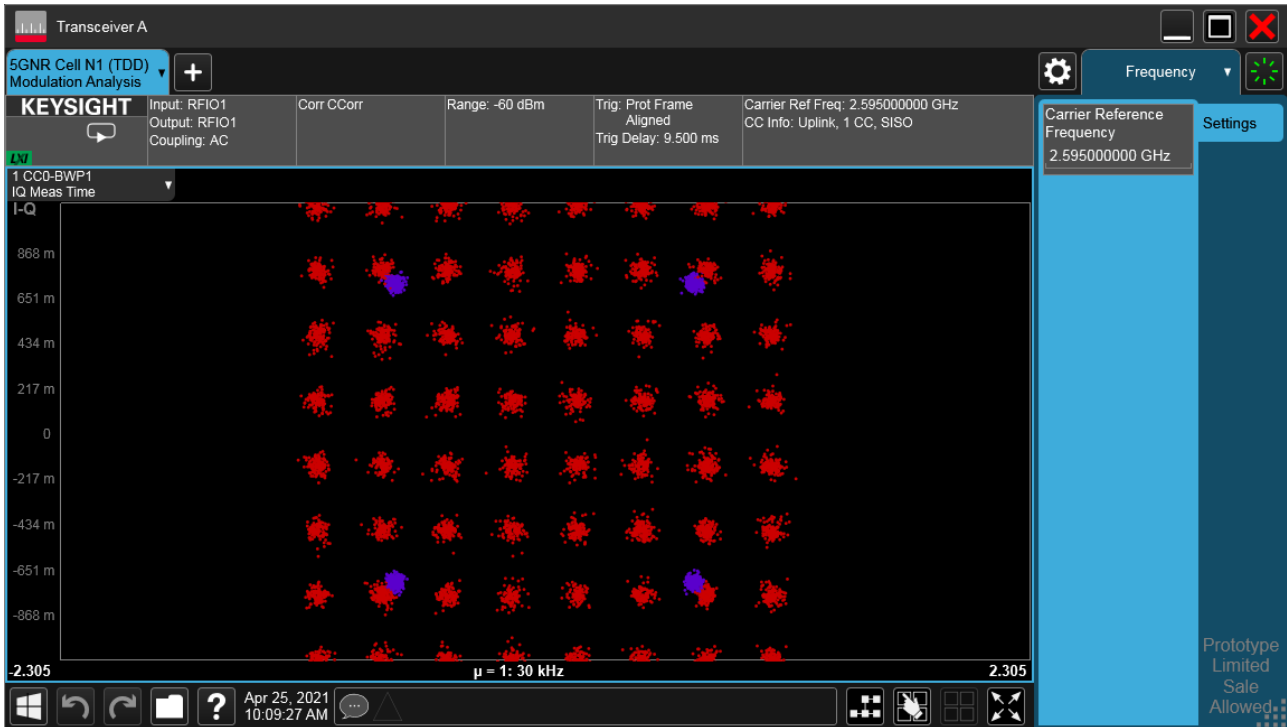
3.1.1.7 Test Mode = TM7 20MHz

3.1.1.7.1 Test Channel = MCH

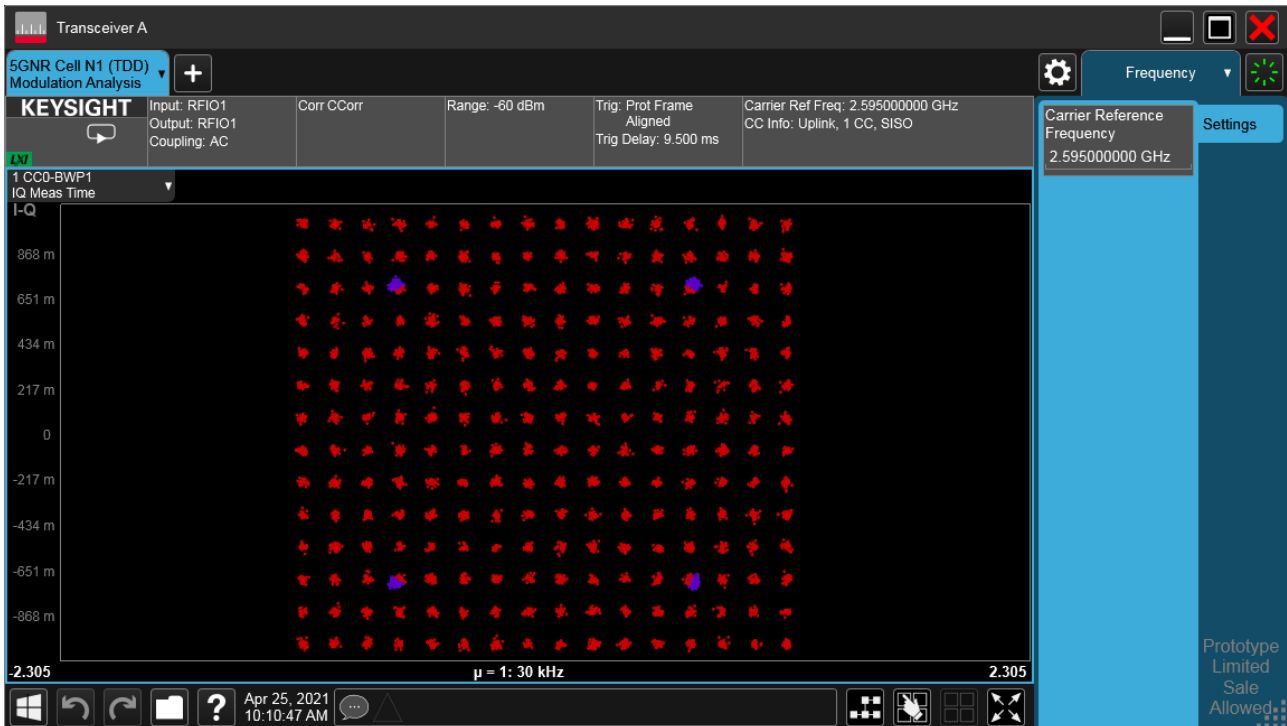


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3.1.1.8 Test Mode = TM8 20MHz
3.1.1.8.1 Test Channel = MCH



3.1.1.9 Test Mode = TM9 20MHz
3.1.1.9.1 Test Channel = MCH



REMARK:

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



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4 Occupied Bandwidth & 26dB Emission Bandwidth

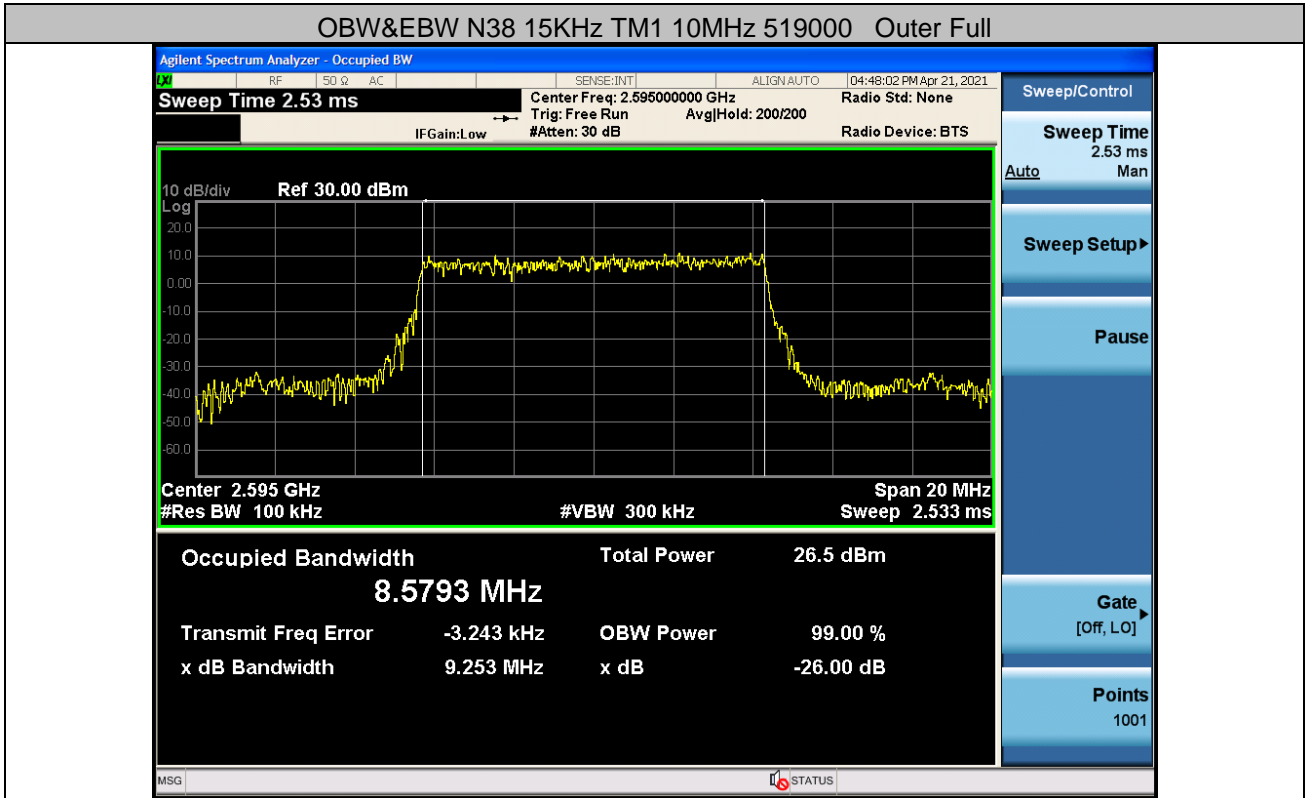
4.1 Test Results

NR Band	Bandwidth	SCS	Modulation	Channel	RB Config	OBW (MHz)	EBW (MHz)	Verdict
N38	10MHz	15KHz	TM1	519000	Outer Full	8.58	9.25	PASS
N38	10MHz	15KHz	TM2	519000	Outer Full	8.59	9.22	PASS
N38	10MHz	15KHz	TM3	519000	Outer Full	8.52	9.31	PASS
N38	10MHz	15KHz	TM4	519000	Outer Full	8.55	9.32	PASS
N38	10MHz	15KHz	TM5	519000	Outer Full	8.55	9.02	PASS
N38	10MHz	15KHz	TM6	519000	Outer Full	8.61	9.32	PASS
N38	10MHz	15KHz	TM7	519000	Outer Full	8.57	9.36	PASS
N38	10MHz	15KHz	TM8	519000	Outer Full	8.61	9.20	PASS
N38	10MHz	15KHz	TM9	519000	Outer Full	8.55	9.32	PASS
N38	20MHz	15KHz	TM1	519000	Outer Full	17.83	18.69	PASS
N38	20MHz	15KHz	TM2	519000	Outer Full	17.86	18.85	PASS
N38	20MHz	15KHz	TM3	519000	Outer Full	17.95	18.61	PASS
N38	20MHz	15KHz	TM4	519000	Outer Full	17.75	18.63	PASS
N38	20MHz	15KHz	TM5	519000	Outer Full	17.80	18.72	PASS
N38	20MHz	15KHz	TM6	519000	Outer Full	18.25	18.83	PASS
N38	20MHz	15KHz	TM7	519000	Outer Full	18.15	19.06	PASS
N38	20MHz	15KHz	TM8	519000	Outer Full	18.18	18.99	PASS
N38	20MHz	15KHz	TM9	519000	Outer Full	18.23	19.03	PASS



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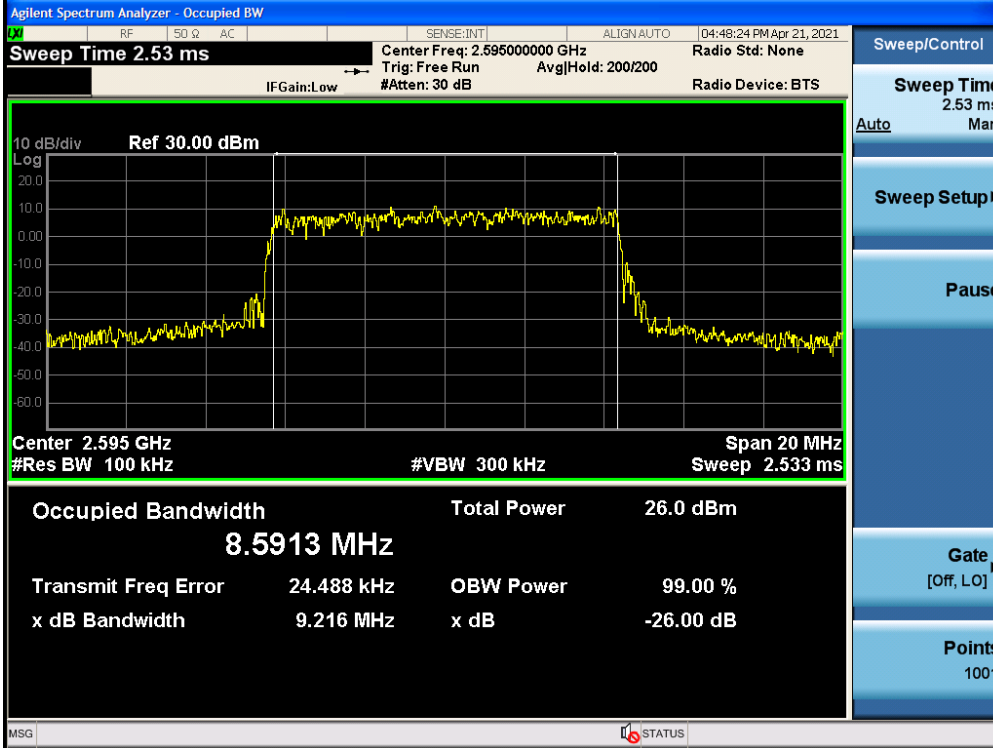
4.2 Test Plots



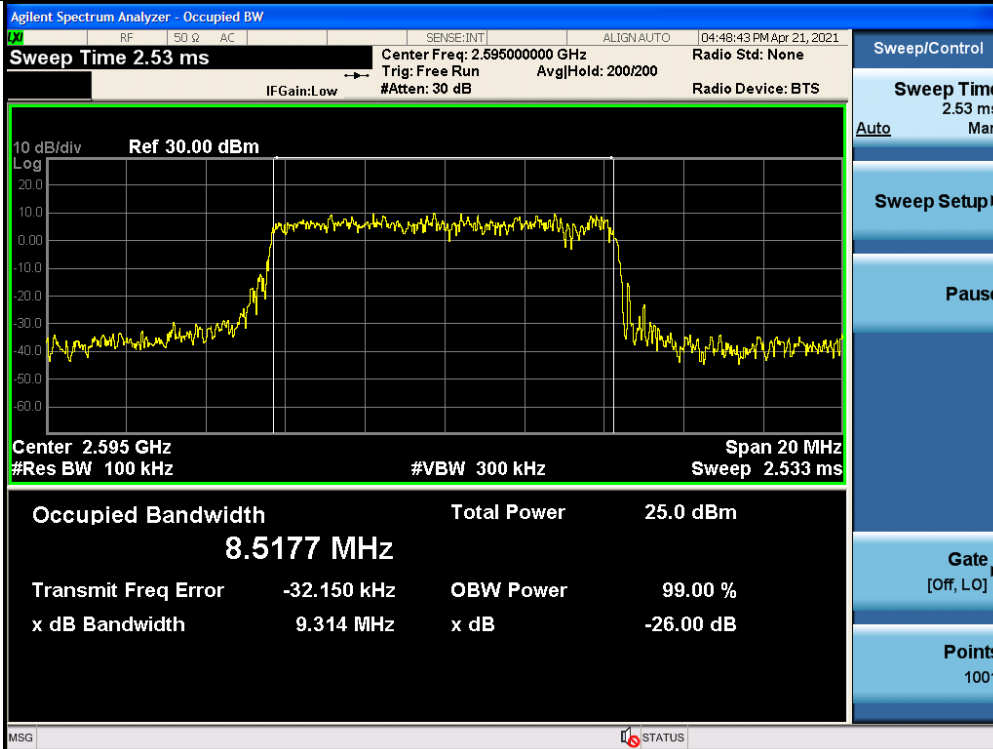
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OBW&EBW N38 15KHz TM2 10MHz 519000 Outer Full

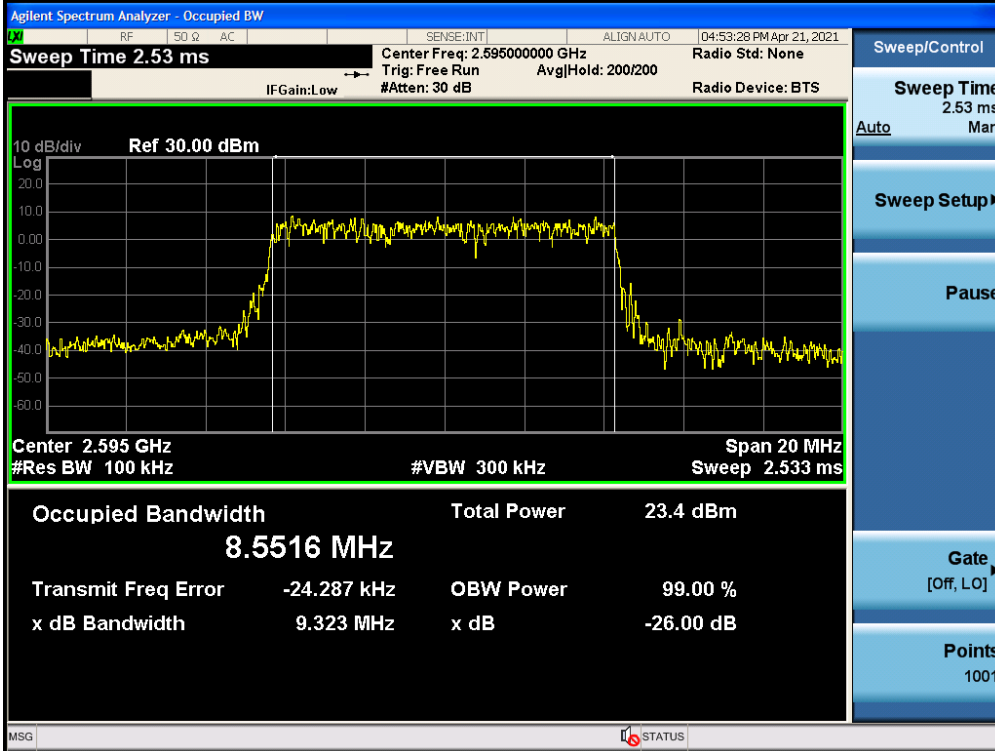


OBW&EBW N38 15KHz TM3 10MHz 519000 Outer Full

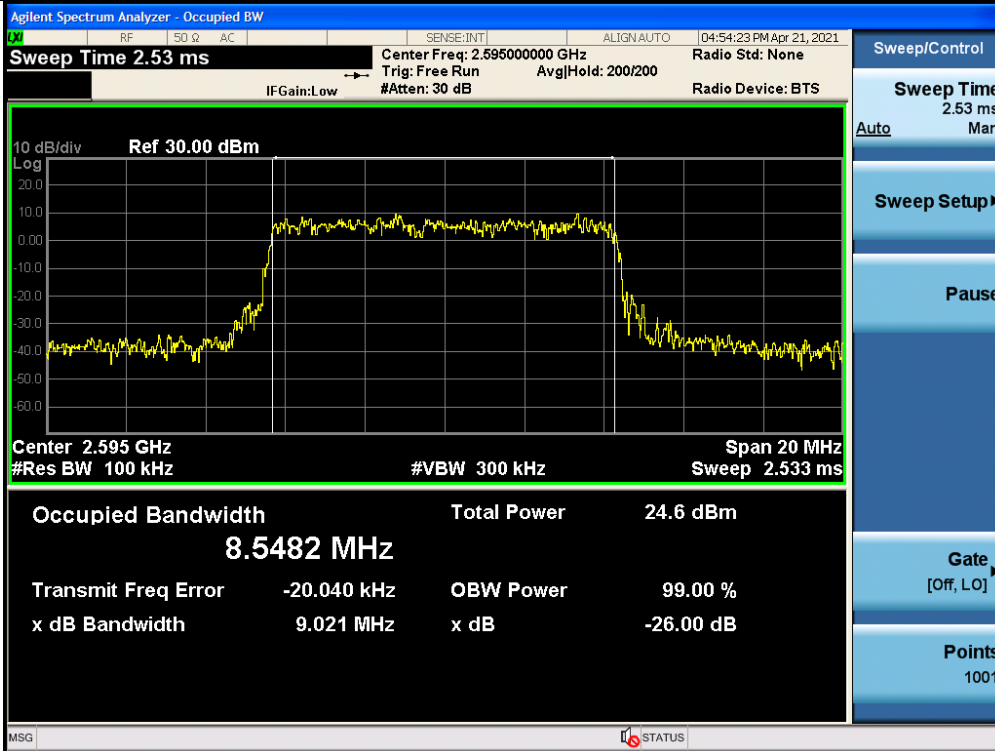


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OBW&EBW N38 15KHz TM4 10MHz 519000 Outer Full

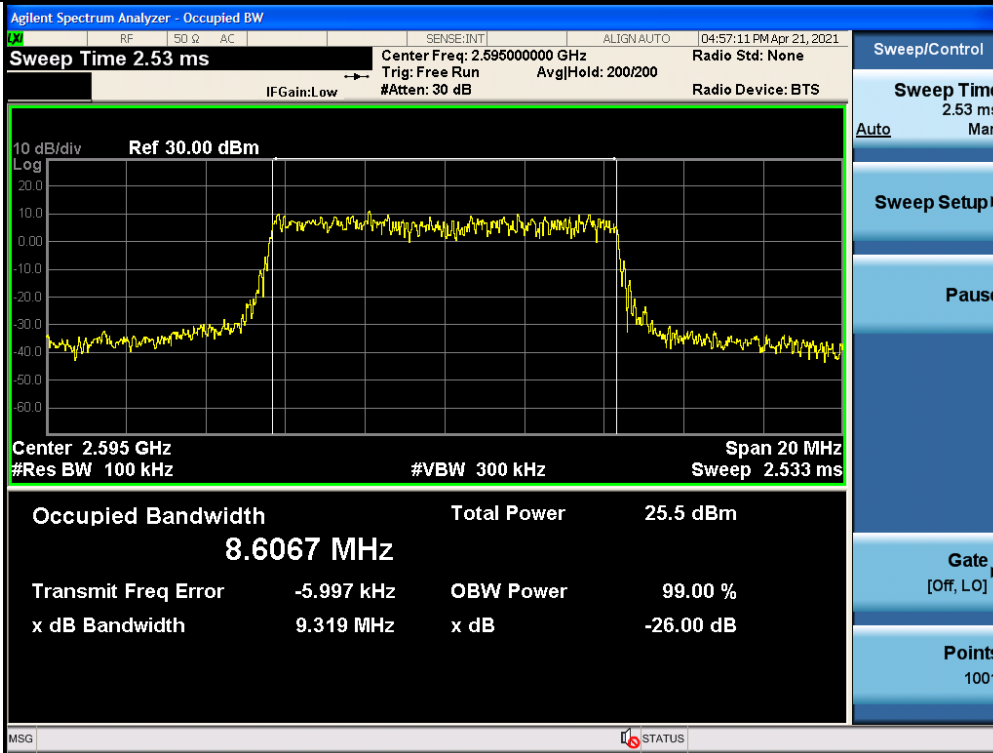


OBW&EBW N38 15KHz TM5 10MHz 519000 Outer Full

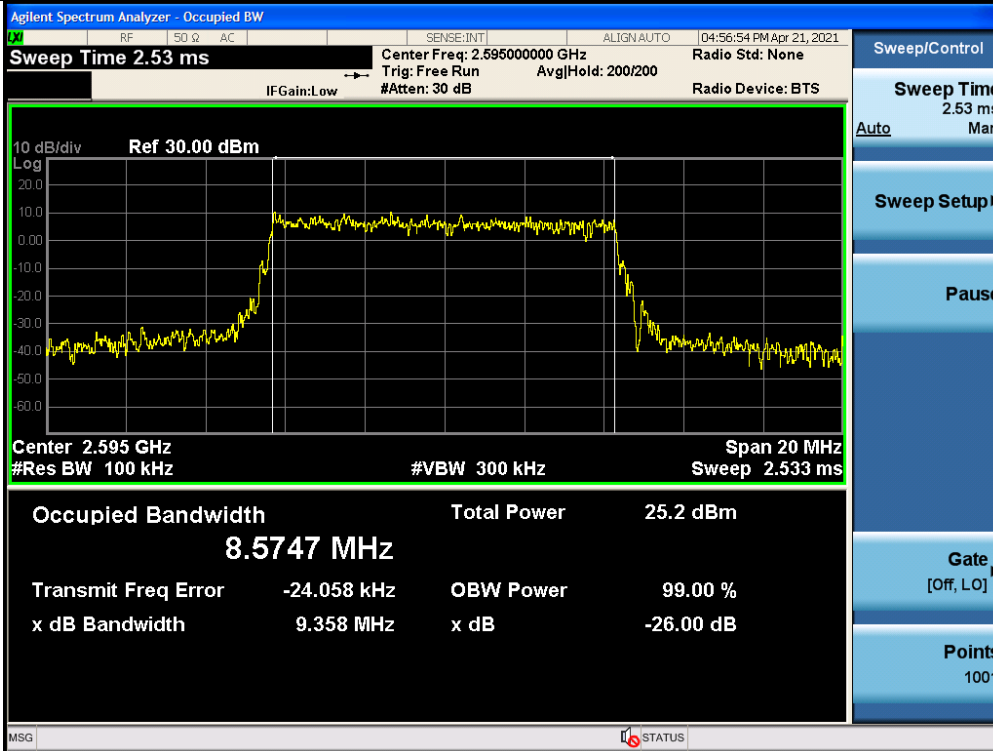


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OBW&EBW N38 15KHz TM6 10MHz 519000 Outer Full

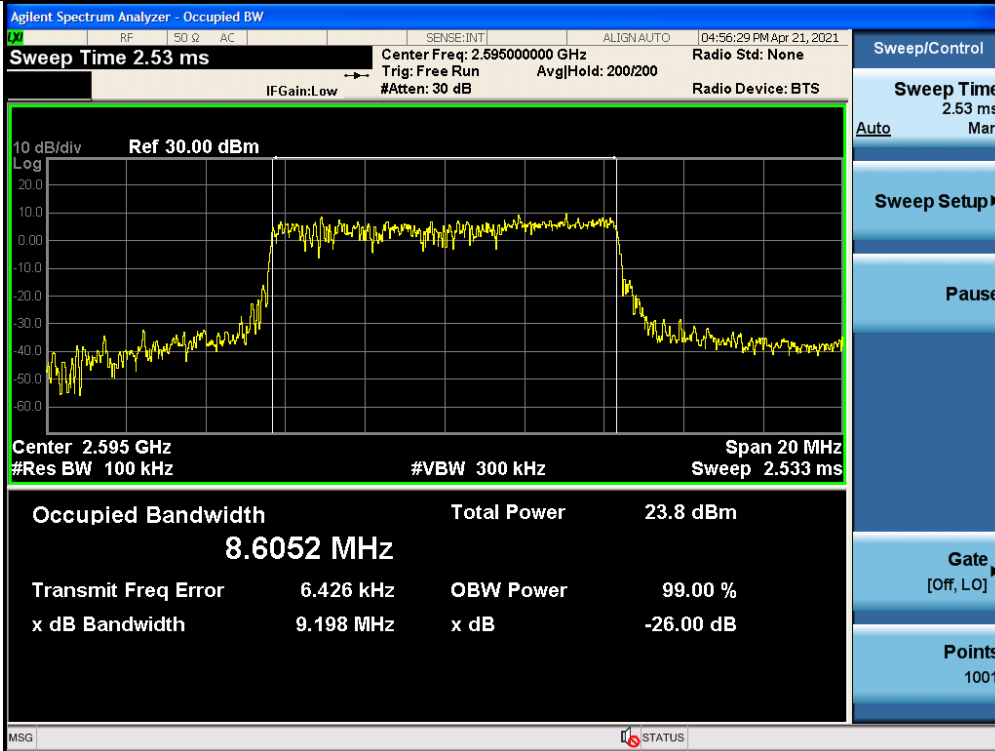


OBW&EBW N38 15KHz TM7 10MHz 519000 Outer Full

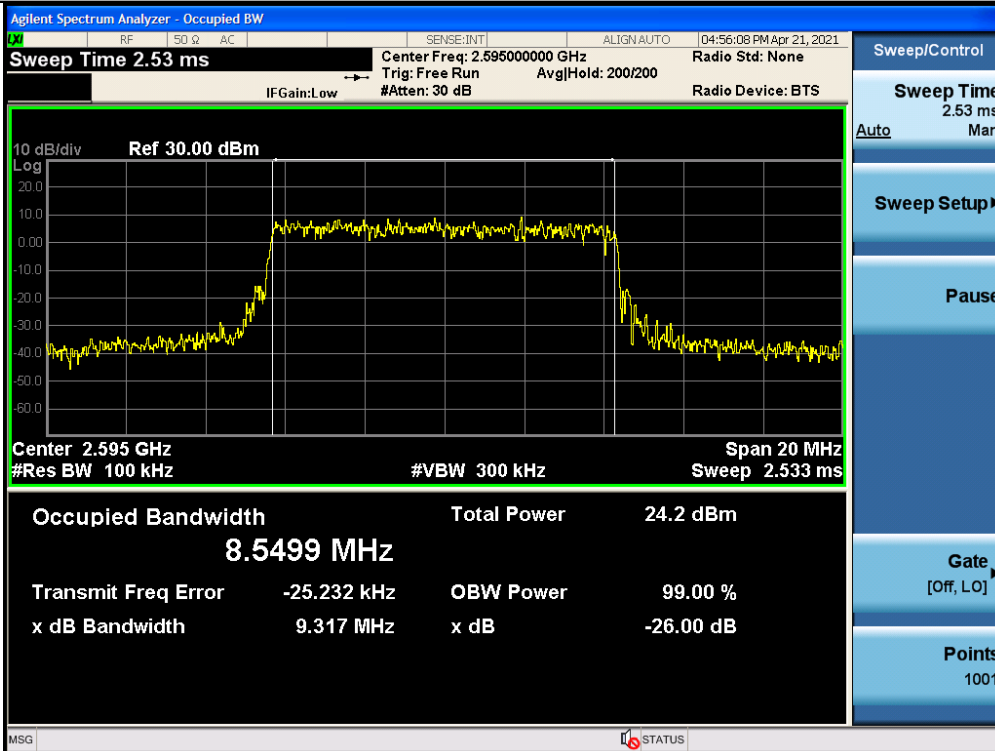


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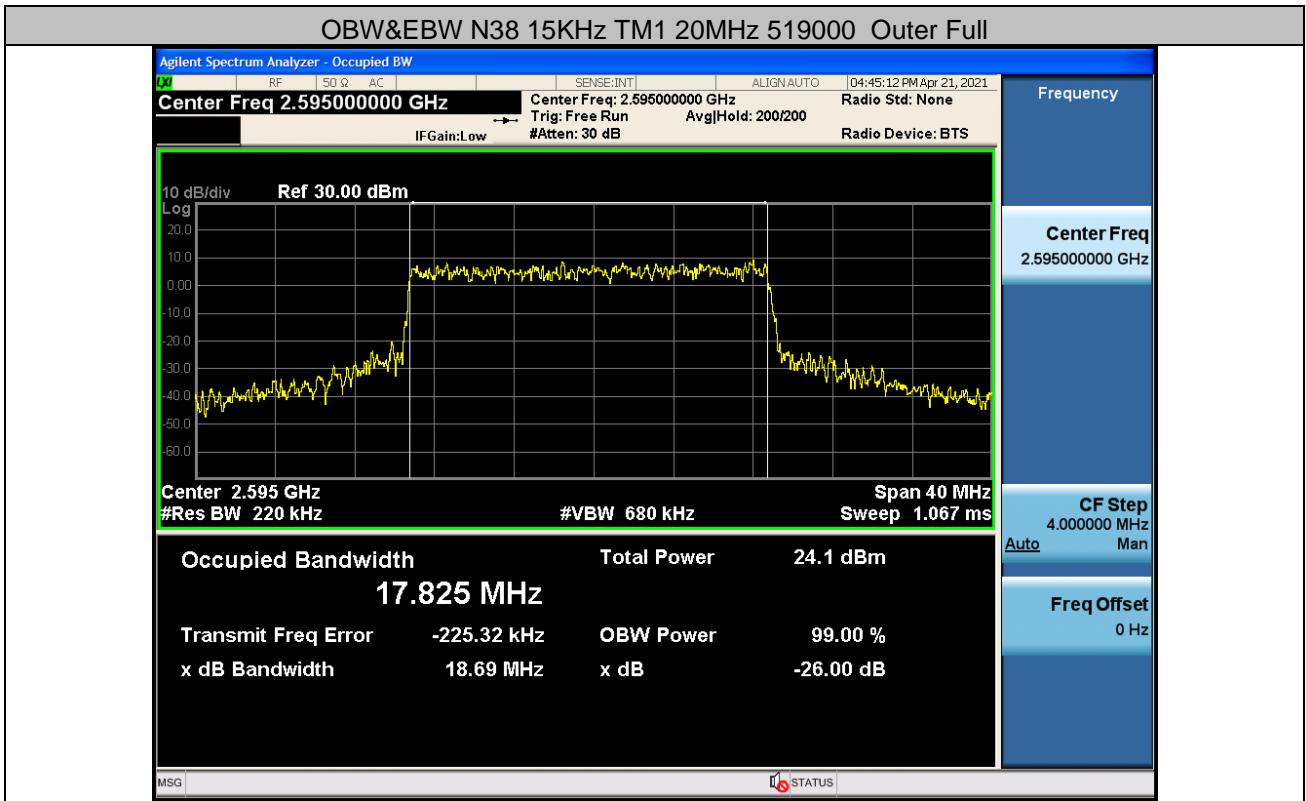
OBW&EBW N38 15KHz TM8 10MHz 519000 Outer Full



OBW&EBW N38 15KHz TM9 10MHz 519000 Outer Full



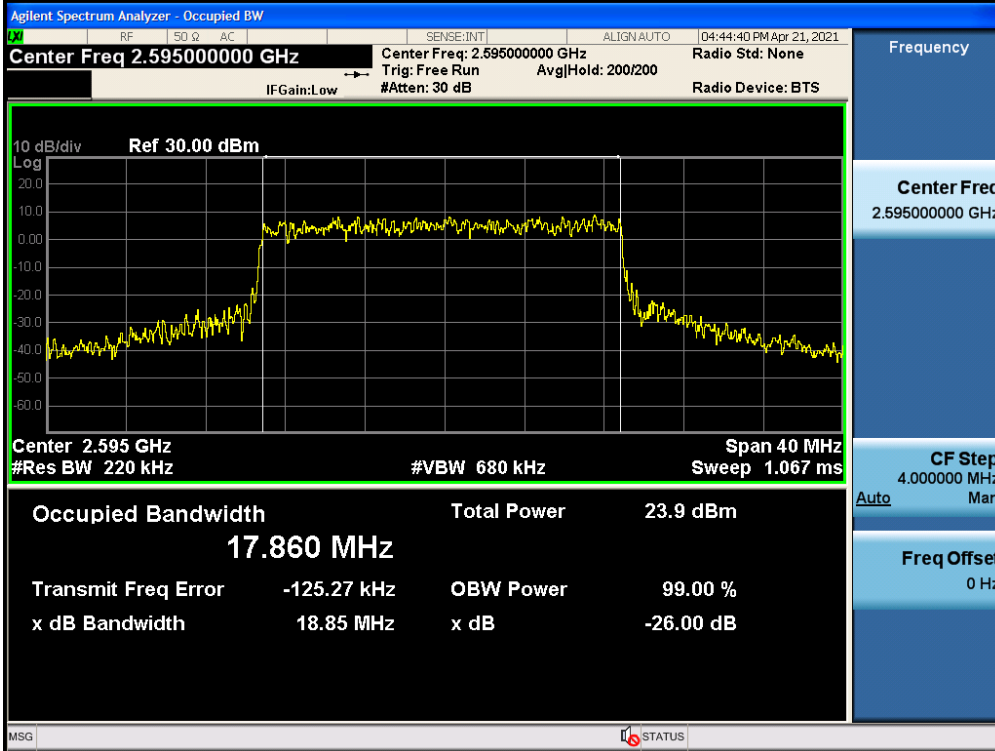
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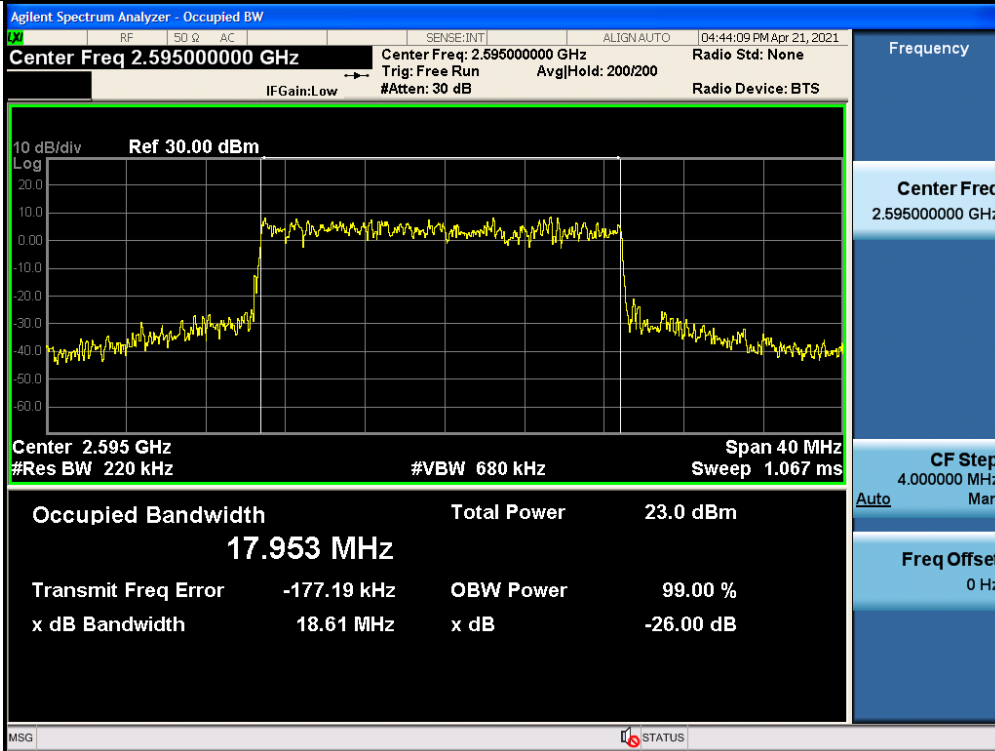
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OBW&EBW N38 15KHz TM2 20MHz 519000 Outer Full

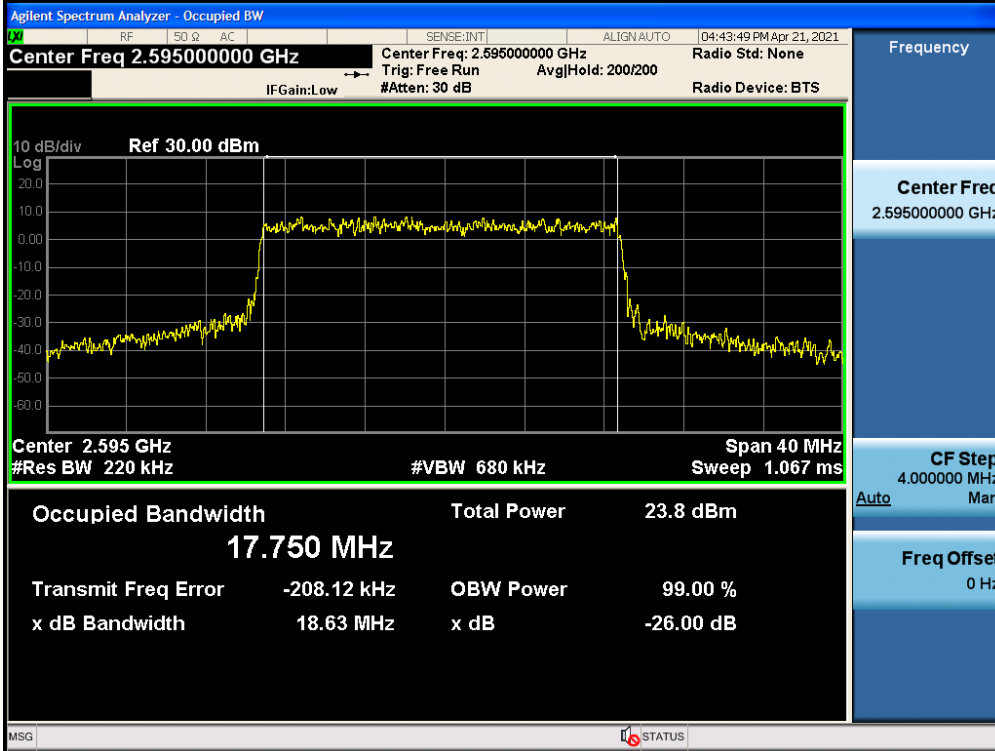


OBW&EBW N38 15KHz TM3 20MHz 519000 Outer Full

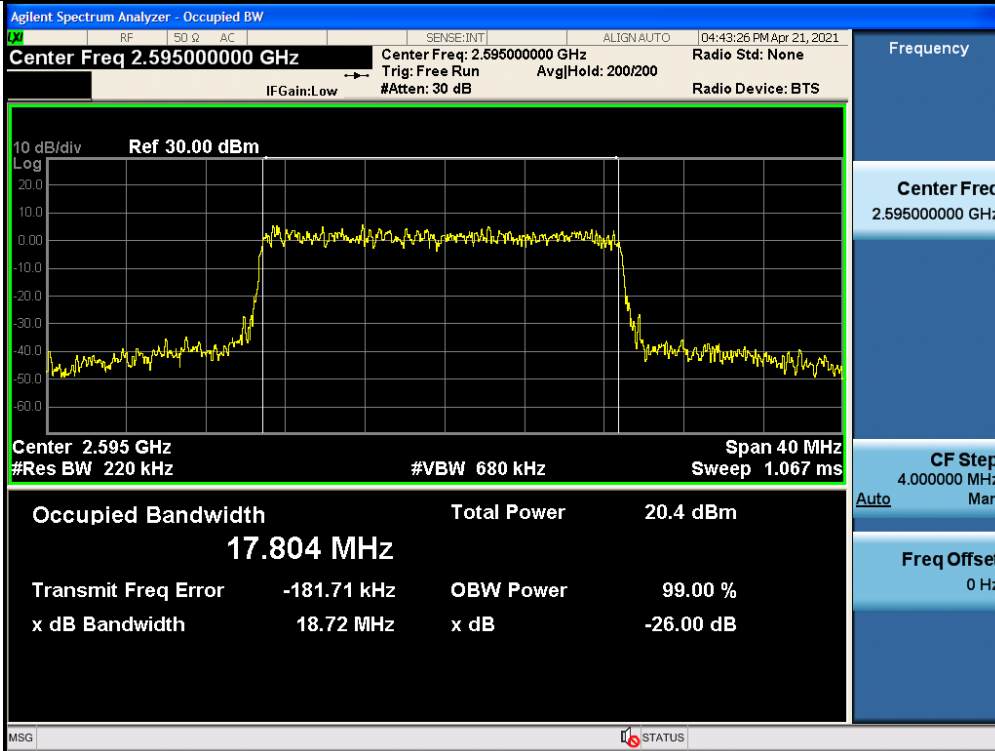


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OBW&EBW N38 15KHz TM4 20MHz 519000 Outer Full

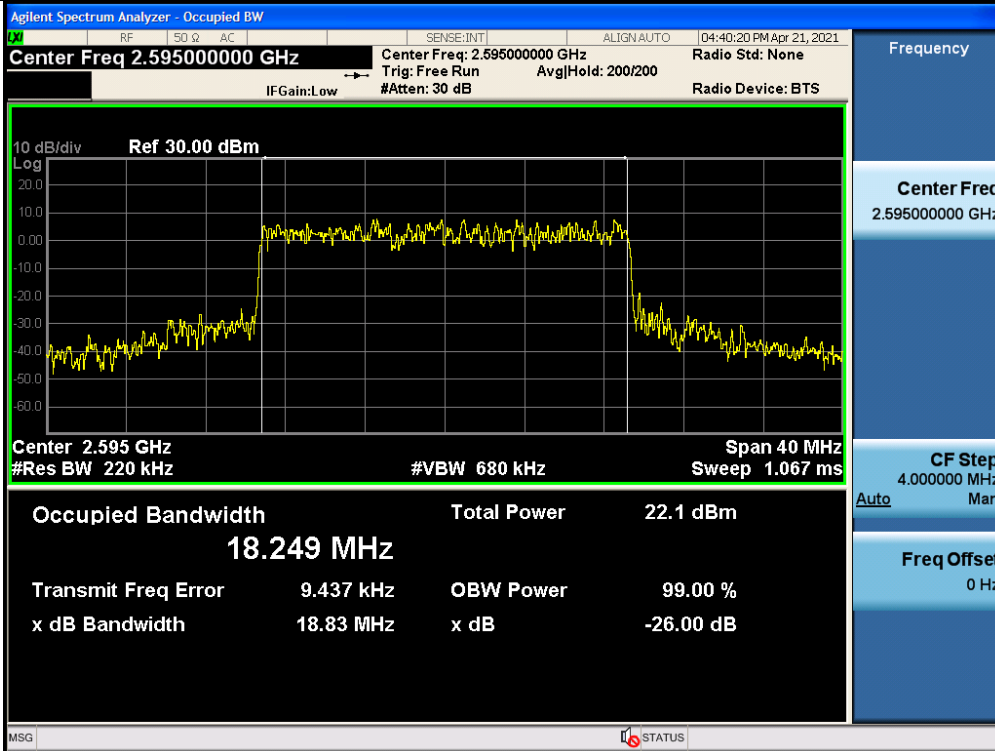


OBW&EBW N38 15KHz TM5 20MHz 519000 Outer Full

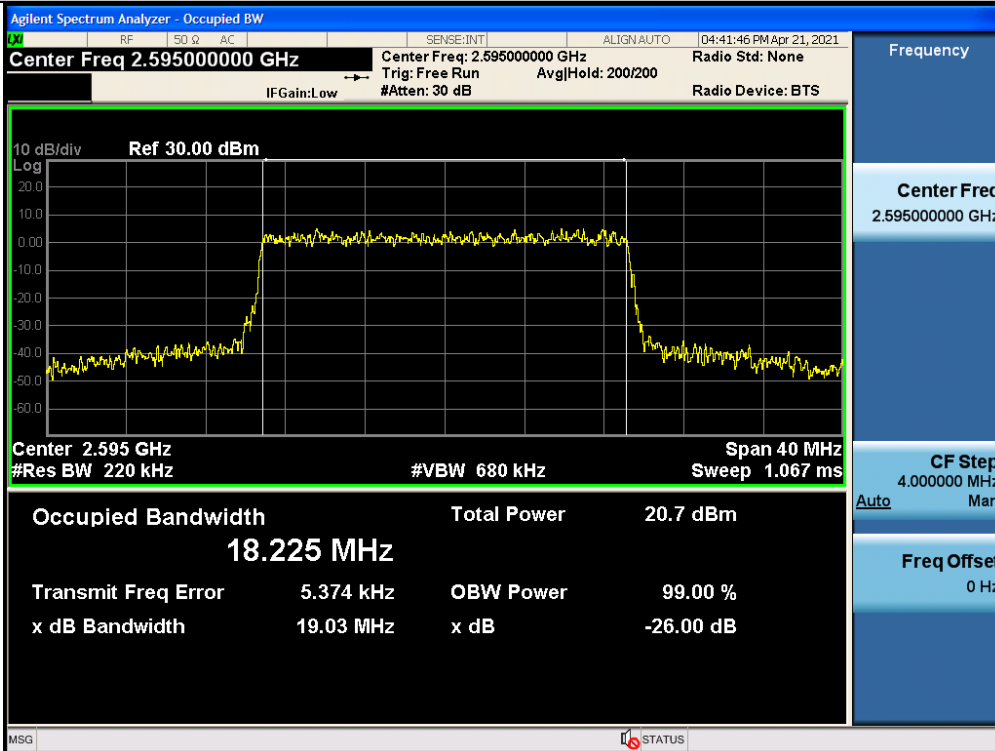


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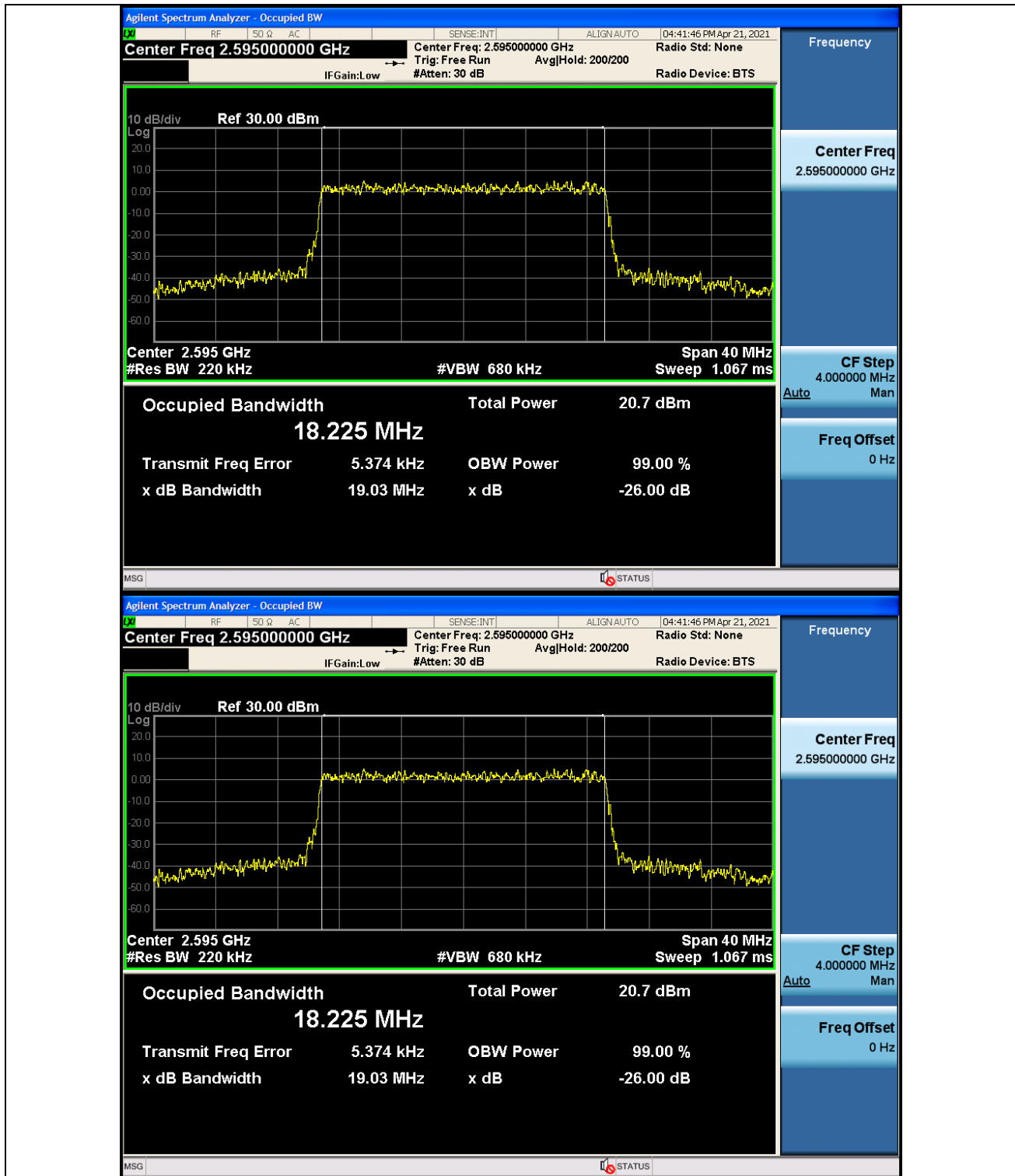
OBW&EBW N38 15KHz TM6 20MHz 519000 Outer Full

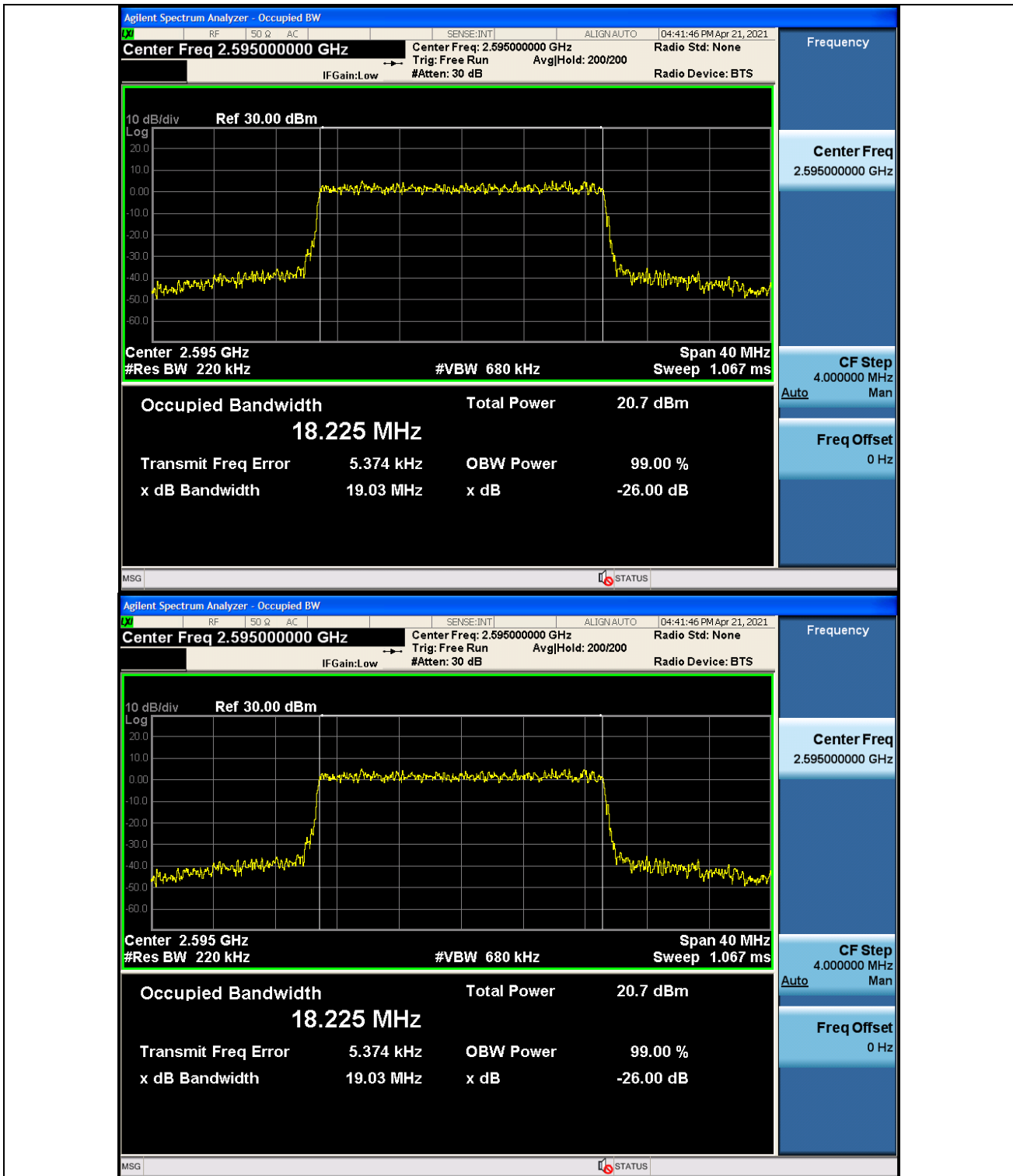


OBW&EBW N38 15KHz TM7 20MHz 519000 Outer Full

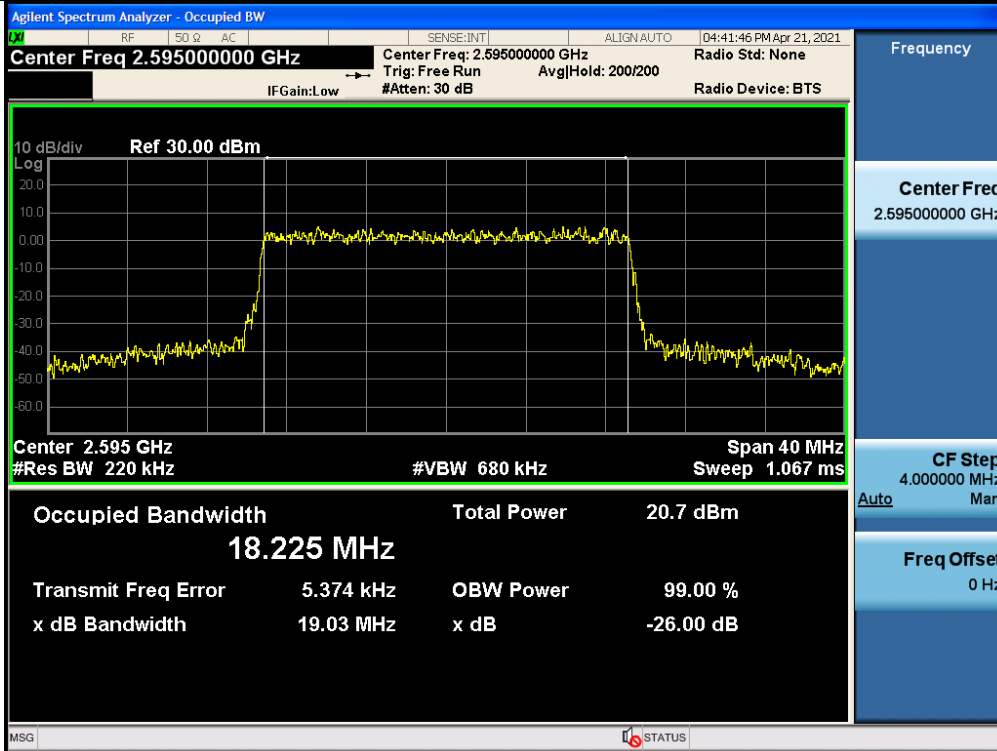


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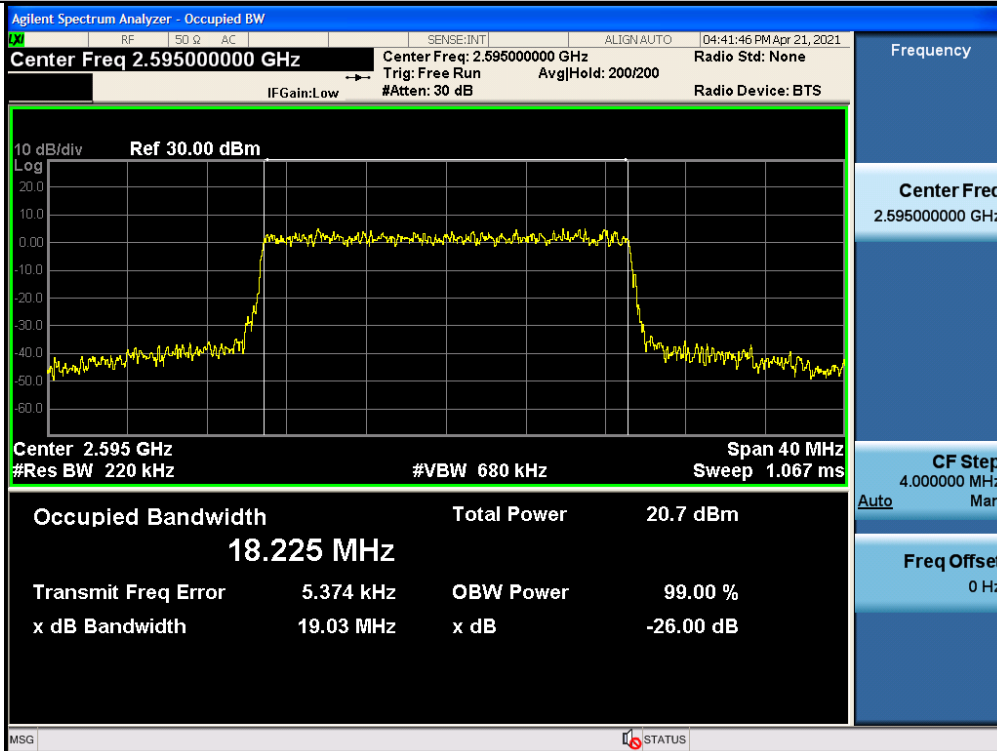




OBW&EBW N38 15KHz TM8 20MHz 519000 Outer Full



OBW&EBW N38 15KHz TM9 20MHz 519000 Outer Full



REMARK:

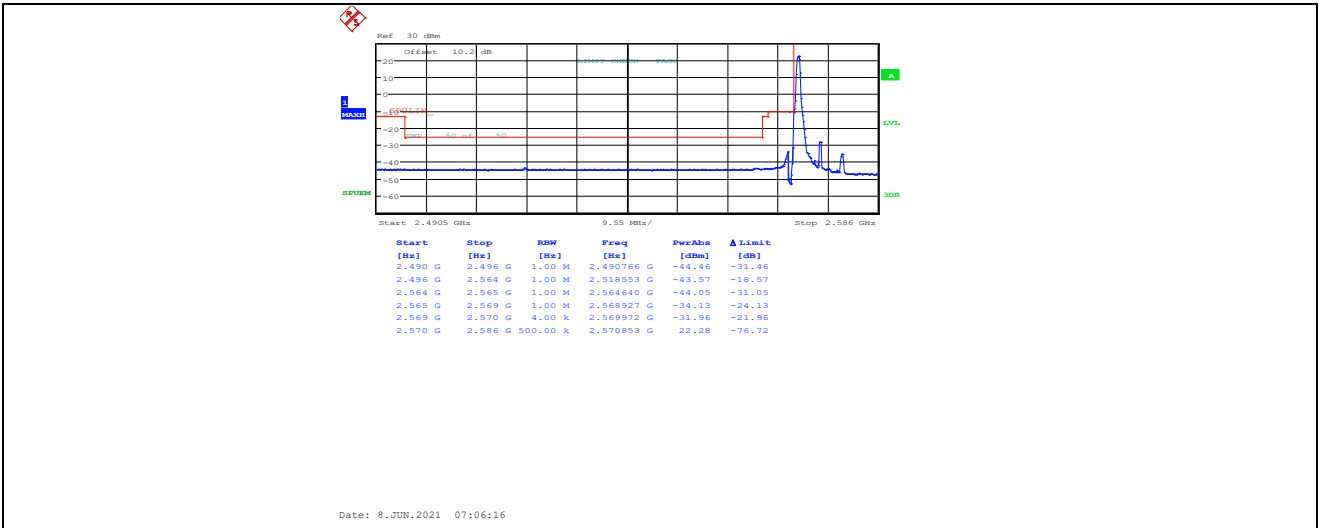
All antenna and all modulation had been tested, but only the worst case data displayed in this report



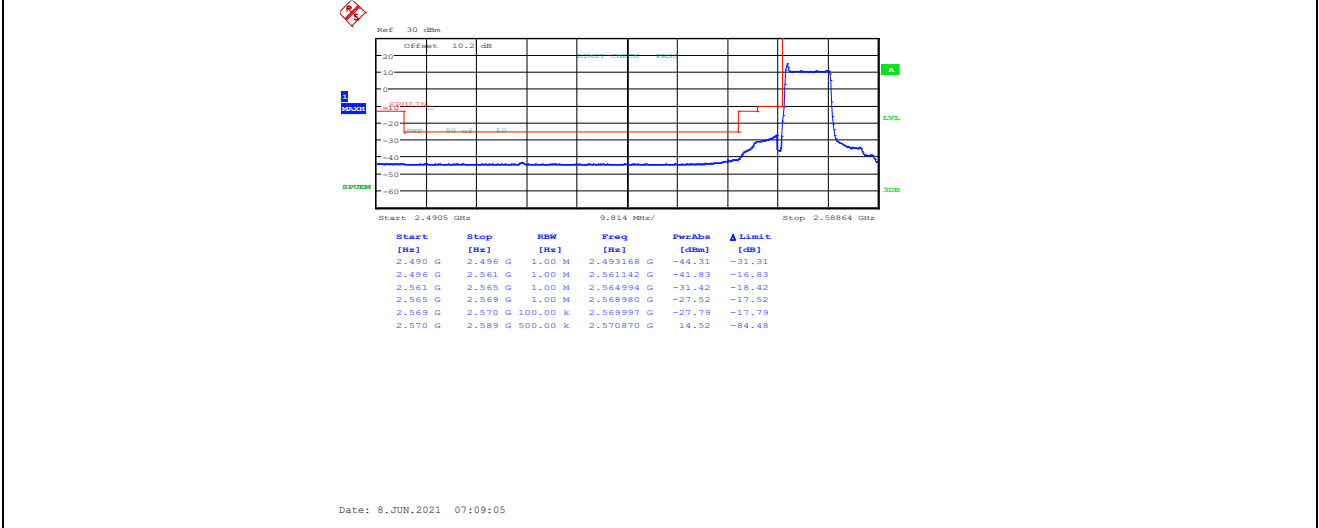
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5 Band Edges Compliance

5.1 Test Plots



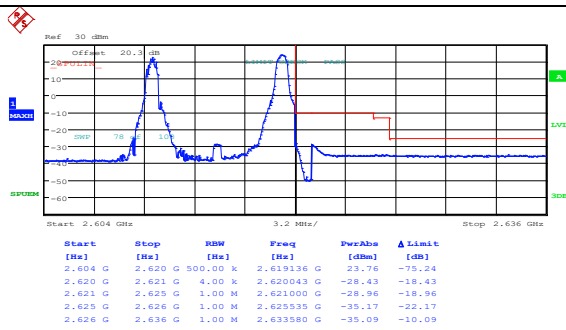
NTNV-N38-30kHz-10MHz-DFT-PI2BPSK-Low-Edge_1RB_Left-----see graph-PASS



NTNV-N38-30kHz-10MHz-DFT-PI2BPSK-Low-Outer_Full-----see graph-PASS

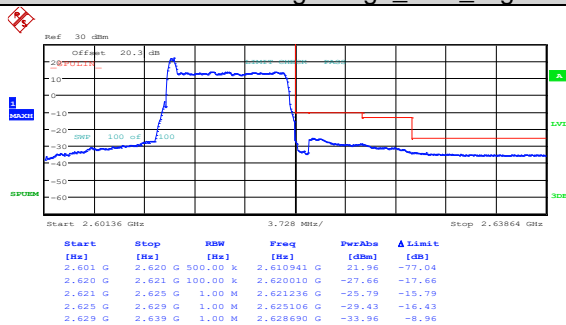


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Date: 8 JUN. 2021 01:11:06

NTNV-N38-30kHz-10MHz-DFT-PI2BPSK-High-Edge_1RB_Right-----see graph-PASS

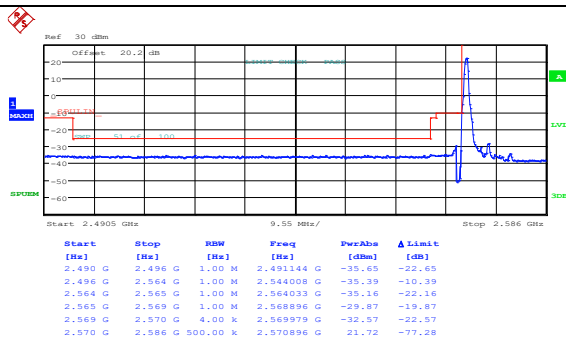


Date: 8 JUN. 2021 01:13:02

NTNV-N38-30kHz-10MHz-DFT-PI2BPSK-High-Outer_Full-----see graph-PASS

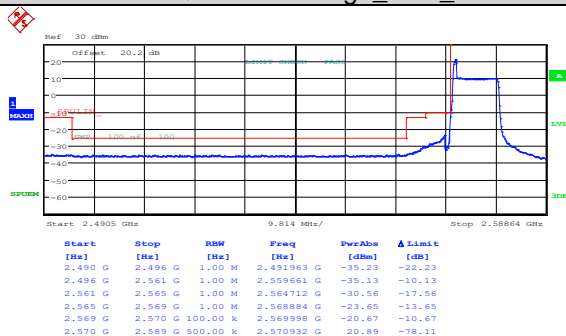


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Date: 8 JUN. 2021 01:06:06

NTNV-N38-30kHz-10MHz-CP-QPSK-Low-Edge_1RB_Left-----see graph-PASS

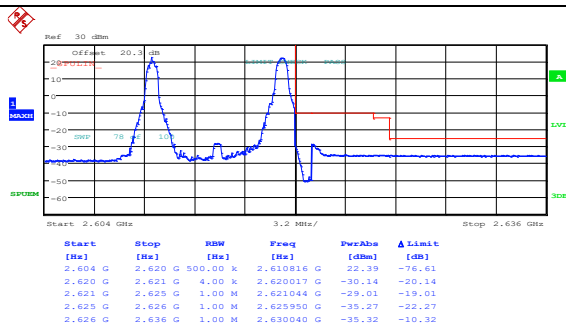


Date: 8 JUN. 2021 01:08:10

NTNV-N38-30kHz-10MHz-CP-QPSK-Low-Outer_Full-----see graph-PASS

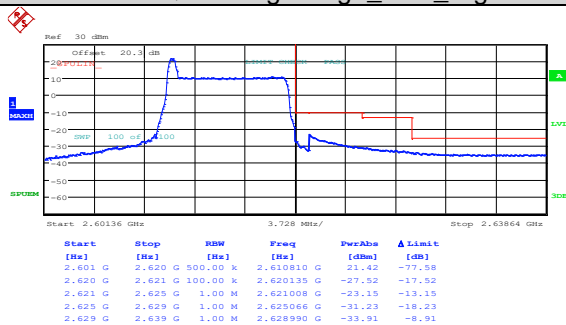


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Date: 8 JUN. 2021 01:15:01

NTNV-N38-30kHz-10MHz-CP-QPSK-High-Edge_1RB_Right-----see graph-PASS

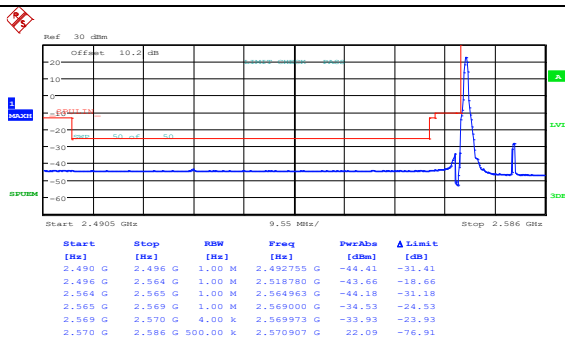


Date: 8 JUN. 2021 01:16:57

NTNV-N38-30kHz-10MHz-CP-QPSK-High-Outer_Full-----see graph-PASS

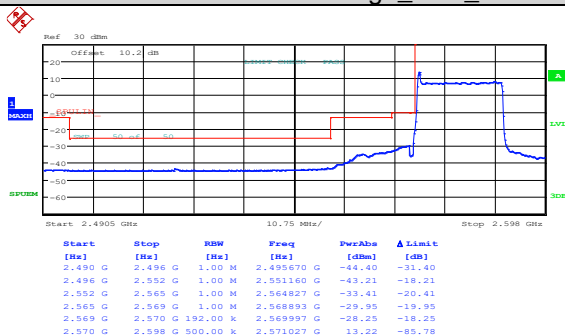


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Date: 8 JUN. 2021 07:17:06

NTNV-N38-30kHz-20MHz-DFT-PI2BPSK-Low-Edge_1RB_Left-----see graph-PASS

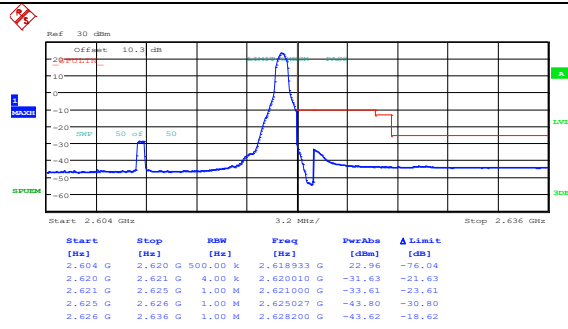


Date: 8 JUN. 2021 07:19:53

NTNV-N38-30kHz-20MHz-DFT-PI2BPSK-Low-Outer_Full-----see graph-PASS

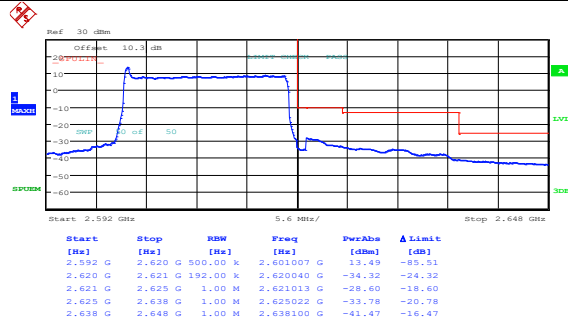


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Date: 8 JUN. 2021 07:27:52

NTNV-N38-30kHz-20MHz-DFT-PI2BPSK-High-Edge_1RB_Right-----see graph-PASS

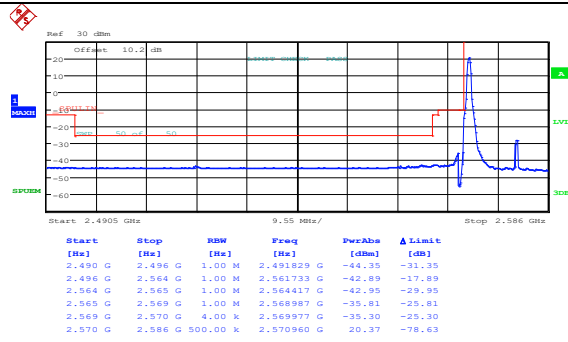


Date: 8 JUN. 2021 07:30:25

NTNV-N38-30kHz-20MHz-DFT-PI2BPSK-High-Outer_Full-----see graph-PASS

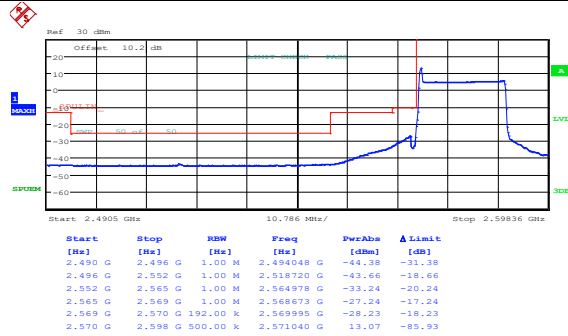


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Date: 8 JUN. 2021 07:22:41

NTNV-N38-30kHz-20MHz-CP-QPSK-Low-Edge_1RB_Left-----see graph-PASS

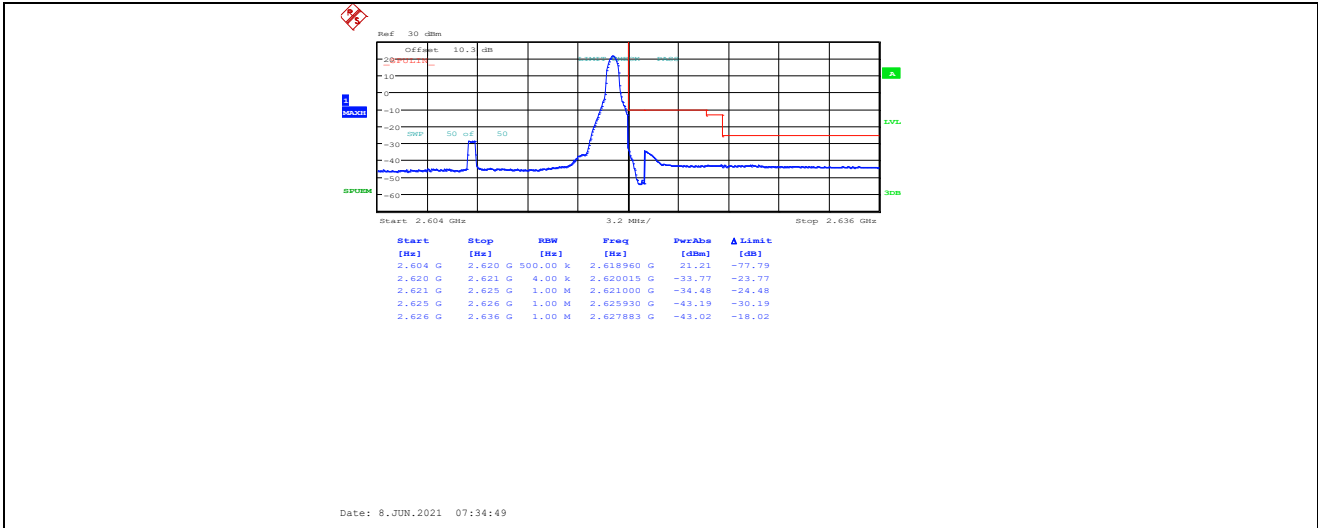


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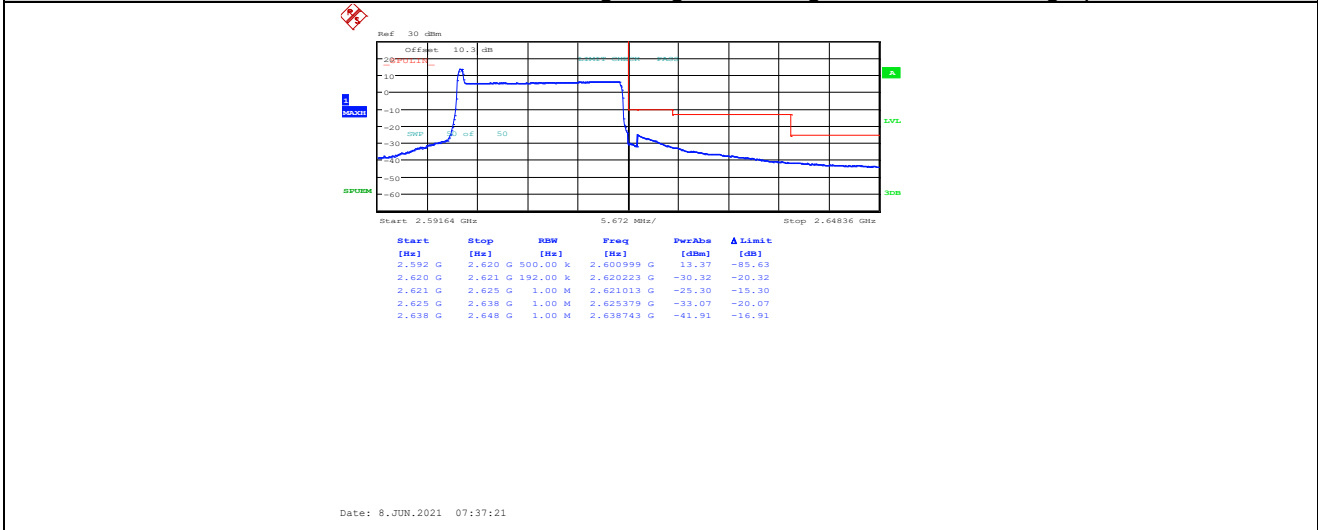
NTNV-N38-30kHz-20MHz-CP-QPSK-Low-Outer_Full-----see graph-PASS



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NTNV-N38-30kHz-20MHz-CP-QPSK-High-Edge_1RB_Right-----see graph-PASS



NTNV-N38-30kHz-20MHz-CP-QPSK-High-Outer_Full-----see graph-PASS

REMARK:

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

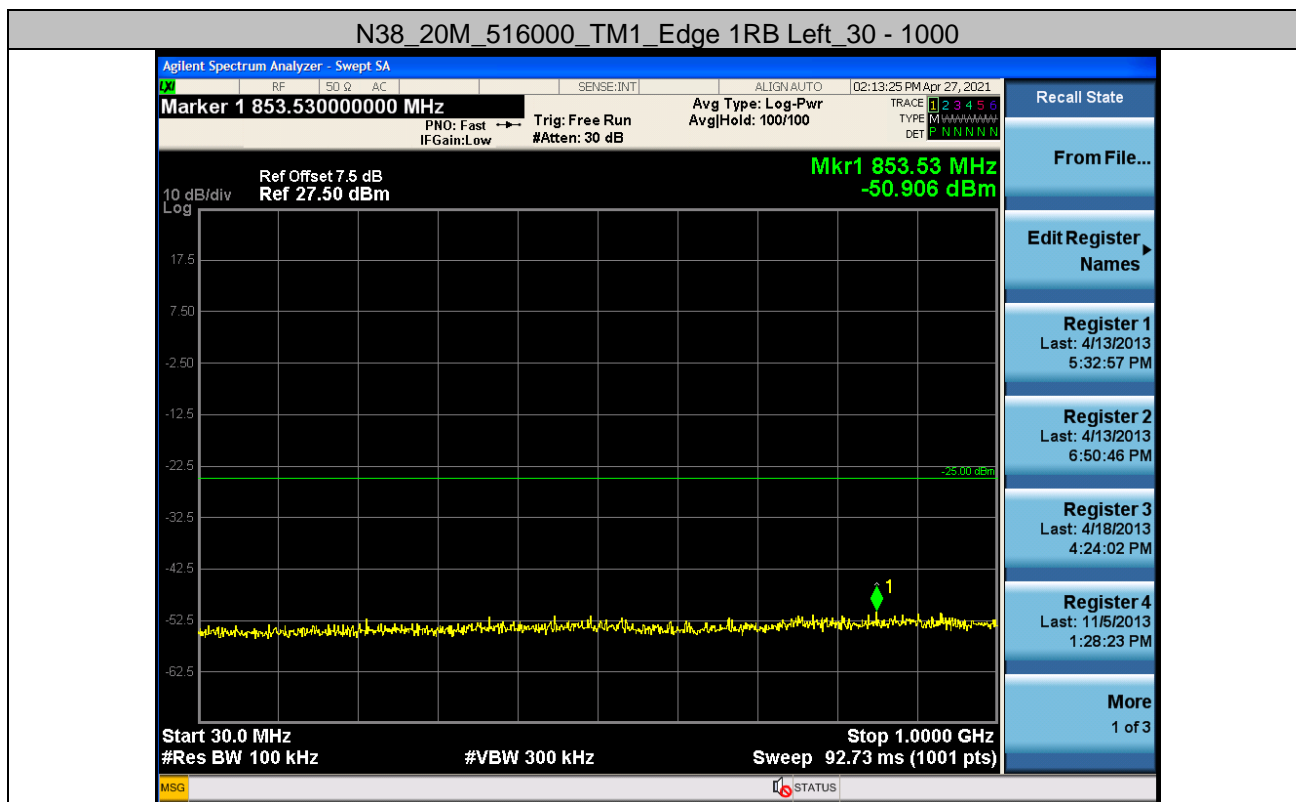


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6 Spurious Emission at Antenna Terminal

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



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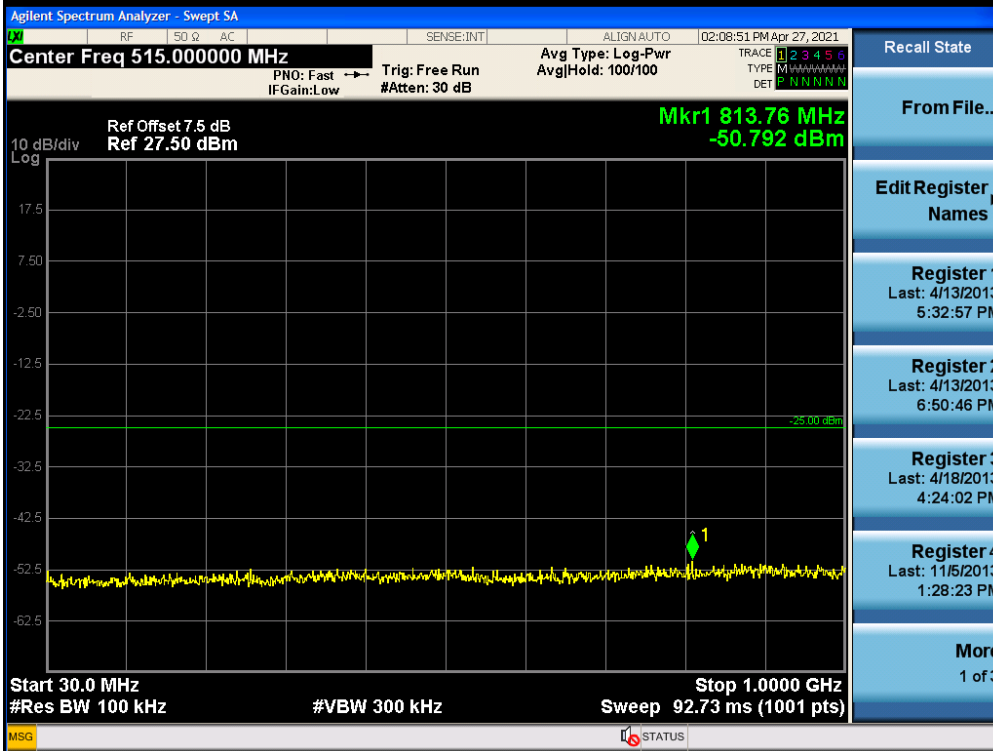


N38_20M_516000_TM1_Edge 1RB Left_1000 - 26500



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N38_20M_519000_TM1_Edge 1RB Left_30 - 1000

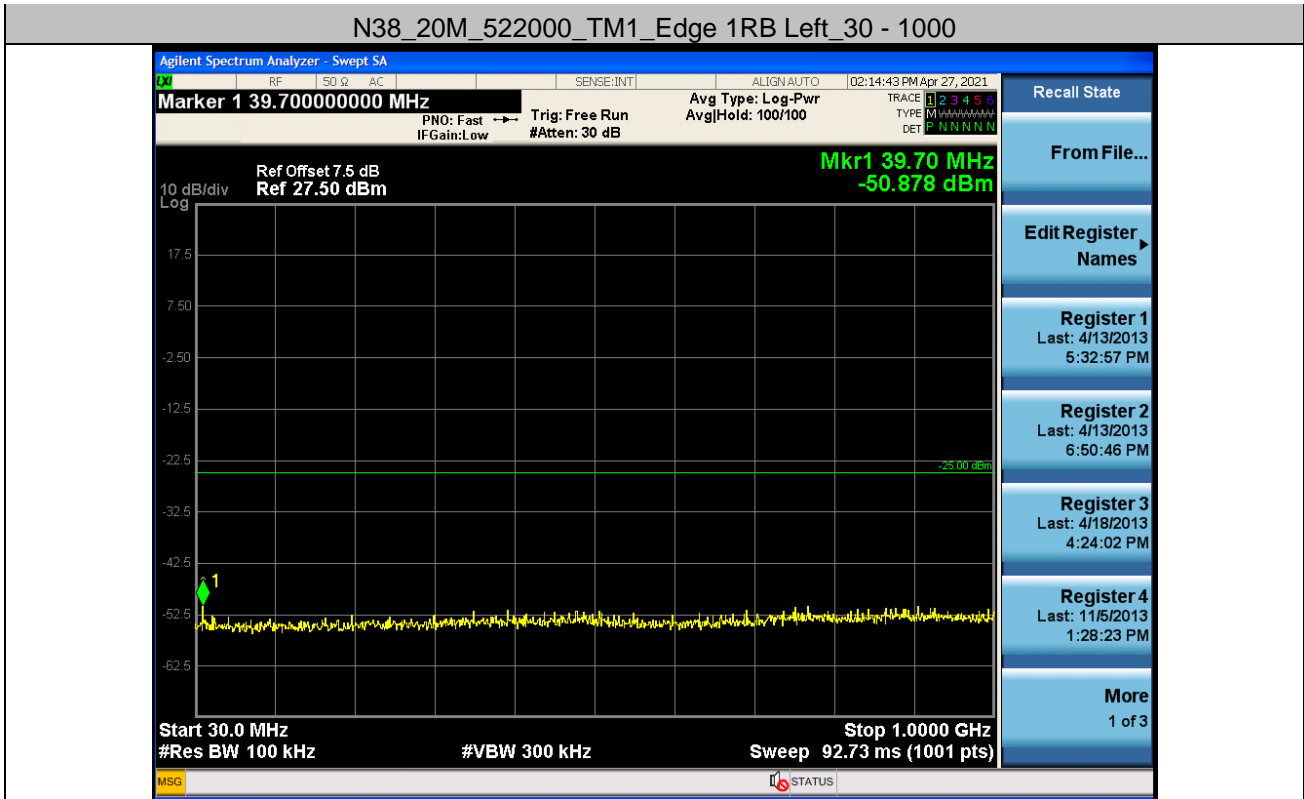


N38_20M_519000_TM1_Edge 1RB Left_1000 - 265000



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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



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7 Field Strength of Spurious Radiation

Below 1GHz:

7.1. Test Band = 38 TM1 ANT0

7.1.1. Test Channel = Low Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.5221	38.45	-60.82	-25.00	35.82	-99.27	Horizontal
2	44.3082	35.69	-61.28	-25.00	36.28	-96.97	Horizontal
3	87.4754	32.28	-68.35	-25.00	43.35	-100.63	Horizontal
4	204.5117	28.09	-69.32	-25.00	44.32	-97.41	Horizontal
5	366.6068	29.23	-63.56	-25.00	38.56	-92.79	Horizontal
6	935.7828	23.47	-58.73	-25.00	33.73	-82.20	Horizontal



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7.2. Test Band = _38_TM1 ANT0

7.2.1. Test Channel = Low Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.2796	40.66	-58.61	-25.00	33.61	-99.27	Vertical
2	44.1627	35.51	-61.49	-25.00	36.49	-97.00	Vertical
3	100.6680	27.24	-70.96	-25.00	45.96	-98.20	Vertical
4	246.9999	27.24	-68.86	-25.00	43.86	-96.10	Vertical
5	366.6068	29.19	-63.60	-25.00	38.60	-92.79	Vertical
6	933.9882	23.38	-58.82	-25.00	33.82	-82.20	Vertical



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7.3. Test Band = _38_TM1 ANT0

7.3.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.4251	38.79	-60.48	-25.00	35.48	-99.27	Horizontal
2	44.2112	35.67	-61.32	-25.00	36.32	-96.99	Horizontal
3	88.9304	31.49	-68.79	-25.00	43.79	-100.28	Horizontal
4	246.1268	27.00	-69.13	-25.00	44.13	-96.13	Horizontal
5	366.6068	28.59	-64.20	-25.00	39.20	-92.79	Horizontal
6	989.6205	24.15	-57.61	-25.00	32.61	-81.76	Horizontal



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7.4. Test Band = _38_TM1 ANT0

7.4.1. Test Channel = Mid Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.5221	38.06	-61.21	-25.00	36.21	-99.27	Vertical
2	44.4052	35.72	-61.23	-25.00	36.23	-96.95	Vertical
3	102.5596	26.94	-71.31	-25.00	46.31	-98.25	Vertical
4	226.9198	27.27	-69.65	-25.00	44.65	-96.92	Vertical
5	366.5583	28.42	-64.37	-25.00	39.37	-92.79	Vertical
6	963.6232	23.75	-58.26	-25.00	33.26	-82.01	Vertical



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7.5. Test Band = _38_TM1 ANT0

7.5.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.3766	38.36	-60.91	-25.00	35.91	-99.27	Horizontal
2	44.5507	35.86	-61.06	-25.00	36.06	-96.92	Horizontal
3	88.4454	31.48	-68.92	-25.00	43.92	-100.40	Horizontal
4	366.6068	28.56	-64.23	-25.00	39.23	-92.79	Horizontal
5	433.2492	28.18	-62.96	-25.00	37.96	-91.14	Horizontal
6	956.3478	24.09	-57.99	-25.00	32.99	-82.08	Horizontal



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7.6. Test Band = _38_TM1 ANT0

7.6.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.3766	39.94	-59.33	-25.00	34.33	-99.27	Vertical
2	44.2112	35.44	-61.55	-25.00	36.55	-96.99	Vertical
3	88.5424	28.84	-71.53	-25.00	46.53	-100.37	Vertical
4	366.6068	28.97	-63.82	-25.00	38.82	-92.79	Vertical
5	433.2492	27.21	-63.93	-25.00	38.93	-91.14	Vertical
6	933.5032	23.96	-58.23	-25.00	33.23	-82.19	Vertical



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7.7. Test Band = _38_TM1 ANT1

7.7.1. Test Channel = Low Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.2311	37.27	-62.00	-25.00	37.00	-99.27	Horizontal
2	44.1142	34.64	-62.37	-25.00	37.37	-97.01	Horizontal
3	87.5239	32.92	-67.69	-25.00	42.69	-100.61	Horizontal
4	234.3407	27.10	-69.61	-25.00	44.61	-96.71	Horizontal
5	433.2492	28.24	-62.90	-25.00	37.90	-91.14	Horizontal
6	974.8757	23.88	-57.98	-25.00	32.98	-81.86	Horizontal



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7.8. Test Band = _38_TM1 ANT1

7.8.1. Test Channel = Low Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.4251	38.58	-60.69	-25.00	35.69	-99.27	Vertical
2	44.4052	34.36	-62.59	-25.00	37.59	-96.95	Vertical
3	88.8819	29.76	-70.53	-25.00	45.53	-100.29	Vertical
4	259.9500	27.84	-67.49	-25.00	42.49	-95.33	Vertical
5	366.6068	29.03	-63.76	-25.00	38.76	-92.79	Vertical
6	995.8773	23.97	-57.70	-25.00	32.70	-81.67	Vertical



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7.9. Test Band = _38_TM1 ANT1

7.9.1. Test Channel = Mid Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.4736	38.05	-61.22	-25.00	36.22	-99.27	Horizontal
2	44.3567	35.51	-61.45	-25.00	36.45	-96.96	Horizontal
3	86.7963	32.98	-67.81	-25.00	42.81	-100.79	Horizontal
4	226.4348	27.84	-69.07	-25.00	44.07	-96.91	Horizontal
5	366.6068	28.88	-63.91	-25.00	38.91	-92.79	Horizontal
6	981.0841	23.24	-58.61	-25.00	33.61	-81.85	Horizontal



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7.10. Test Band = _38_TM1 ANT1

7.10.1. Test Channel = Mid Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.5221	37.74	-61.53	-25.00	36.53	-99.27	Vertical
2	44.5507	35.53	-61.39	-25.00	36.39	-96.92	Vertical
3	99.1645	27.49	-70.84	-25.00	45.84	-98.33	Vertical
4	366.6068	28.61	-64.18	-25.00	39.18	-92.79	Vertical
5	725.0883	22.82	-62.41	-25.00	37.41	-85.23	Vertical
6	989.7660	23.46	-58.30	-25.00	33.30	-81.76	Vertical



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7.11. Test Band = _38_TM1 ANT1

7.11.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.4251	38.89	-60.38	-25.00	35.38	-99.27	Horizontal
2	44.5022	35.35	-61.58	-25.00	36.58	-96.93	Horizontal
3	87.7664	32.72	-67.84	-25.00	42.84	-100.56	Horizontal
4	197.1394	28.39	-69.56	-25.00	44.56	-97.95	Horizontal
5	366.6068	29.25	-63.54	-25.00	38.54	-92.79	Horizontal
6	905.6628	24.48	-58.11	-25.00	33.11	-82.59	Horizontal



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7.12. Test Band = _38_TM1 ANT1

7.12.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	32.5706	38.92	-60.35	-25.00	35.35	-99.27	Vertical
2	44.1627	35.09	-61.91	-25.00	36.91	-97.00	Vertical
3	87.6694	29.72	-70.86	-25.00	45.86	-100.58	Vertical
4	219.0140	27.13	-69.73	-25.00	44.73	-96.86	Vertical
5	366.6068	28.62	-64.17	-25.00	39.17	-92.79	Vertical
6	921.8626	23.97	-58.40	-25.00	33.40	-82.37	Vertical



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Above 1GHz:

7.13. Test Band = _38_ TM1 ANT0

7.13.1. Test Channel = Low Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1148.2685	20.53	-49.76	-25.00	24.76	-70.29	Horizontal
2	2056.1320	20.76	-47.71	-25.00	22.71	-68.47	Horizontal
3	4548.8274	50.75	-61.11	-25.00	36.11	-111.86	Horizontal
4	8461.7731	48.12	-52.92	-25.00	27.92	-101.04	Horizontal
5	14134.3067	44.15	-47.51	-25.00	22.51	-91.66	Horizontal
6	17913.7457	47.14	-45.81	-25.00	20.81	-92.95	Horizontal



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7.14. Test Band = _38_TM1 ANT0

7.14.1. Test Channel = Low Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1352.7941	20.53	-49.68	-25.00	24.68	-70.21	Vertical
2	2059.6325	20.86	-47.45	-25.00	22.45	-68.31	Vertical
3	5484.1242	49.71	-58.33	-25.00	33.33	-108.04	Vertical
4	13004.7502	44.22	-48.26	-25.00	23.26	-92.48	Vertical
5	16400.1700	46.22	-47.52	-25.00	22.52	-93.74	Vertical
6	17987.2494	47.32	-46.29	-25.00	21.29	-93.61	Vertical



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7.15. Test Band = _38_TM1 ANT0

7.15.1. Test Channel = Mid Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1307.7885	20.92	-49.58	-25.00	24.58	-70.50	Horizontal
2	1932.6166	20.64	-48.79	-25.00	23.79	-69.43	Horizontal
3	5695.6348	48.56	-58.28	-25.00	33.28	-106.84	Horizontal
4	10624.1312	46.43	-50.42	-25.00	25.42	-96.85	Horizontal
5	15005.8503	43.88	-47.68	-25.00	22.68	-91.56	Horizontal
6	17978.9990	47.45	-45.99	-25.00	20.99	-93.44	Horizontal



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7.16. Test Band = _38_TM1_ANT0

7.16.1. Test Channel = Mid Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1193.0241	20.79	-49.79	-25.00	24.79	-70.58	Vertical
2	2176.1470	20.69	-47.32	-25.00	22.32	-68.01	Vertical
3	3528.7764	52.94	-62.20	-25.00	37.20	-115.14	Vertical
4	7376.4688	48.49	-54.52	-25.00	29.52	-103.01	Vertical
5	11245.1623	46.41	-49.42	-25.00	24.42	-95.83	Vertical
6	17986.4993	46.92	-46.68	-25.00	21.68	-93.60	Vertical



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7.17. Test Band = _38_TM1_ANT0

7.17.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1289.5362	20.88	-49.67	-25.00	24.67	-70.55	Horizontal
2	2126.6408	20.95	-47.32	-25.00	22.32	-68.27	Horizontal
3	4837.5919	50.48	-60.03	-25.00	35.03	-110.51	Horizontal
4	11788.1894	45.50	-49.64	-25.00	24.64	-95.14	Horizontal
5	15026.8513	45.23	-46.53	-25.00	21.53	-91.76	Horizontal
6	17895.7448	46.85	-46.25	-25.00	21.25	-93.10	Horizontal



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7.18. Test Band = _38_TM1_ANT0

7.18.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1331.2914	20.52	-49.81	-25.00	24.81	-70.33	Vertical
2	2137.6422	20.87	-47.29	-25.00	22.29	-68.16	Vertical
3	5682.8841	49.18	-57.82	-25.00	32.82	-107.00	Vertical
4	11226.4113	46.36	-49.39	-25.00	24.39	-95.75	Vertical
5	16397.1699	46.65	-47.15	-25.00	22.15	-93.80	Vertical
6	17982.7491	47.36	-46.16	-25.00	21.16	-93.52	Vertical



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7.19. Test Band = _38_ TM1 ANT1

7.19.1. Test Channel = Low Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1170.2713	20.44	-49.80	-25.00	24.80	-70.24	Horizontal
2	2060.8826	20.73	-47.58	-25.00	22.58	-68.31	Horizontal
3	4488.8244	50.91	-60.90	-25.00	35.90	-111.81	Horizontal
4	9603.3302	46.11	-52.11	-25.00	27.11	-98.22	Horizontal
5	15029.1015	44.17	-47.61	-25.00	22.61	-91.78	Horizontal
6	17993.2497	47.22	-46.52	-25.00	21.52	-93.74	Horizontal



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7.20. Test Band = _38_TM1_ANT1

7.20.1. Test Channel = Low Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1104.5131	20.89	-49.54	-25.00	24.54	-70.43	Vertical
2	1973.6217	20.98	-47.71	-25.00	22.71	-68.69	Vertical
3	3684.0342	53.23	-61.86	-25.00	36.86	-115.09	Vertical
4	8417.5209	47.88	-53.16	-25.00	28.16	-101.04	Vertical
5	13391.7696	44.65	-47.80	-25.00	22.80	-92.45	Vertical
6	17931.7466	46.45	-46.44	-25.00	21.44	-92.89	Vertical



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7.21. Test Band = _38_TM1 ANT1

7.21.1. Test Channel = Mid Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1167.7710	20.52	-49.76	-25.00	24.76	-70.28	Horizontal
2	1877.3597	20.72	-48.67	-25.00	23.67	-69.39	Horizontal
3	5691.8846	48.78	-58.11	-25.00	33.11	-106.89	Horizontal
4	10618.1309	46.16	-50.69	-25.00	25.69	-96.85	Horizontal
5	16389.6695	46.19	-47.77	-25.00	22.77	-93.96	Horizontal
6	17912.2456	46.65	-46.31	-25.00	21.31	-92.96	Horizontal



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7.22. Test Band = _38_TM1 ANT1

7.22.1. Test Channel = Mid Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1167.5209	20.98	-49.31	-25.00	24.31	-70.29	Vertical
2	1986.1233	20.99	-47.80	-25.00	22.80	-68.79	Vertical
3	6974.4487	48.32	-55.38	-25.00	30.38	-103.70	Vertical
4	12412.2206	45.27	-48.80	-25.00	23.80	-94.07	Vertical
5	16411.4206	46.48	-47.47	-25.00	22.47	-93.95	Vertical
6	17932.4966	46.41	-46.48	-25.00	21.48	-92.89	Vertical



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7.23. Test Band = _38_TM1_ANT1

7.23.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1240.2800	20.67	-49.73	-25.00	24.73	-70.40	Horizontal
2	2138.8924	20.77	-47.36	-25.00	22.36	-68.13	Horizontal
3	5495.3748	49.17	-58.85	-25.00	33.85	-108.02	Horizontal
4	11221.9111	46.46	-49.28	-25.00	24.28	-95.74	Horizontal
5	16424.9212	46.99	-47.21	-25.00	22.21	-94.20	Horizontal
6	17913.7457	46.78	-46.17	-25.00	21.17	-92.95	Horizontal



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7.24. Test Band = _38_TM1 ANT1

7.24.1. Test Channel = High Channel

Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	1150.0188	20.78	-49.40	-25.00	24.40	-70.18	Vertical
2	2211.4014	20.65	-47.16	-25.00	22.16	-67.81	Vertical
3	7478.4739	48.19	-54.02	-25.00	29.02	-102.21	Vertical
4	13016.0008	45.07	-47.47	-25.00	22.47	-92.54	Vertical
5	15033.6017	44.45	-47.37	-25.00	22.37	-91.82	Vertical
6	17990.2495	47.09	-46.59	-25.00	21.59	-93.68	Vertical

REMARK:

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



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8 Frequency Stability

8.1 Frequency Error VS. Voltage

NR Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage [Vdc]	Temperature(°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N38	30KHz	20MHz	TM1	516000	Outer Full	VL	NT	11.66	0.00452	±2.5	PASS
N38	30KHz	20MHz	TM1	516000	Outer Full	VN	NT	-11.30	-0.00438	±2.5	PASS
N38	30KHz	20MHz	TM1	516000	Outer Full	VH	NT	3.62	0.00140	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VL	NT	-5.12	-0.00197	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VN	NT	2.89	0.00111	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VH	NT	-0.35	-0.00013	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VL	NT	13.60	0.00521	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VN	NT	13.01	0.00498	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VH	NT	0.45	0.00017	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VL	NT	1.94	0.00075	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VN	NT	0.55	0.00021	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VH	NT	-2.15	-0.00083	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VL	NT	-10.26	-0.00395	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VN	NT	-6.00	-0.00231	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VH	NT	0.27	0.00010	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VL	NT	13.94	0.00534	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VN	NT	13.07	0.00501	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VH	NT	-3.76	-0.00144	±2.5	PASS



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8.2 Frequency Error VS. Temperature

NR Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage [Vdc]	Temperature(°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N38	30KHz	20MHz	TM1	516000	Outer Full	VN	-30	-1.93	-0.00075	±2.5	PASS
N38	30KHz	20MHz	TM1	516000	Outer Full	VN	-20	11.92	0.00462	±2.5	PASS
N38	30KHz	20MHz	TM1	516000	Outer Full	VN	-10	-2.79	-0.00108	±2.5	PASS
N38	30KHz	20MHz	TM1	516000	Outer Full	VN	0	-7.35	-0.00285	±2.5	PASS
N38	30KHz	20MHz	TM1	516000	Outer Full	VN	10	-3.90	-0.00151	±2.5	PASS
N38	30KHz	20MHz	TM1	516000	Outer Full	VN	20	-0.85	-0.00033	±2.5	PASS
N38	30KHz	20MHz	TM1	516000	Outer Full	VN	30	-9.93	-0.00385	±2.5	PASS
N38	30KHz	20MHz	TM1	516000	Outer Full	VN	40	-11.39	-0.00441	±2.5	PASS
N38	30KHz	20MHz	TM1	516000	Outer Full	VN	50	3.56	0.00138	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VN	-30	4.34	0.00167	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VN	-20	1.15	0.00044	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VN	-10	-12.31	-0.00474	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VN	0	1.99	0.00077	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VN	10	-7.68	-0.00296	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VN	20	-12.27	-0.00473	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VN	30	4.98	0.00192	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VN	40	-12.74	-0.00491	±2.5	PASS
N38	30KHz	20MHz	TM1	519000	Outer Full	VN	50	13.50	0.00520	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VN	-30	-10.33	-0.00396	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VN	-20	-0.51	-0.00020	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VN	-10	-0.68	-0.00026	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VN	0	11.50	0.00441	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VN	10	-10.95	-0.00420	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VN	20	14.90	0.00571	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VN	30	7.19	0.00275	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VN	40	1.86	0.00071	±2.5	PASS
N38	30KHz	20MHz	TM1	522000	Outer Full	VN	50	-9.94	-0.00381	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VN	-30	-8.50	-0.00329	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VN	-20	1.78	0.00069	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VN	-10	5.42	0.00210	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VN	0	5.23	0.00203	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VN	10	8.03	0.00311	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VN	20	11.68	0.00453	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VN	30	1.00	0.00039	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VN	40	-7.80	-0.00302	±2.5	PASS
N38	30KHz	20MHz	TM6	516000	Outer Full	VN	50	3.07	0.00119	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VN	-30	-9.72	-0.00375	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VN	-20	1.86	0.00072	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VN	-10	-3.51	-0.00135	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VN	0	-12.01	-0.00463	±2.5	PASS



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N38	30KHz	20MHz	TM6	519000	Outer Full	VN	10	-11.70	-0.00451	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VN	20	10.13	0.00390	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VN	30	-4.66	-0.00180	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VN	40	10.15	0.00391	±2.5	PASS
N38	30KHz	20MHz	TM6	519000	Outer Full	VN	50	-11.57	-0.00446	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VN	-30	9.95	0.00381	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VN	-20	6.76	0.00259	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VN	-10	0.36	0.00014	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VN	0	7.64	0.00293	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VN	10	-11.09	-0.00425	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VN	20	4.86	0.00186	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VN	30	0.17	0.00007	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VN	40	-9.97	-0.00382	±2.5	PASS
N38	30KHz	20MHz	TM6	522000	Outer Full	VN	50	10.61	0.00407	±2.5	PASS

REMARK:

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

The End



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