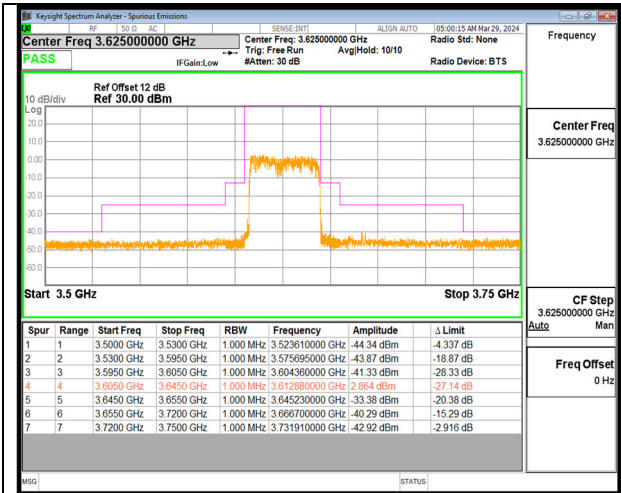
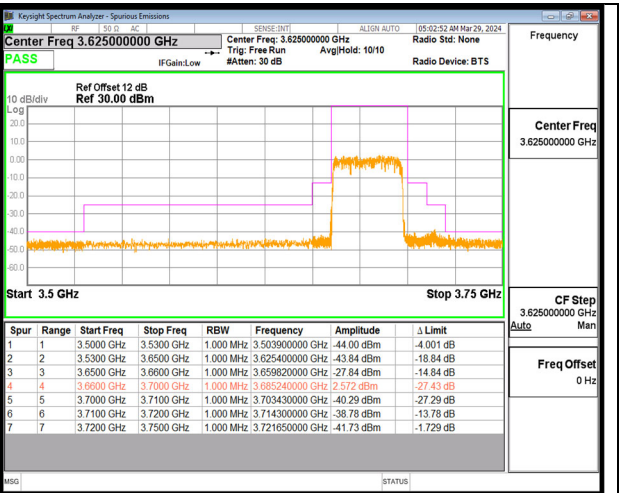
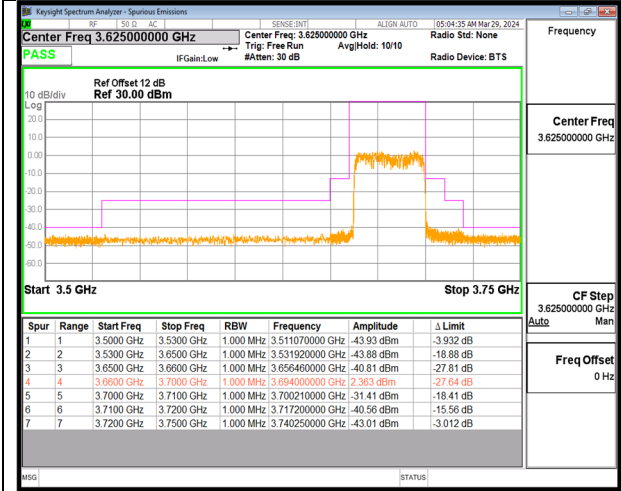




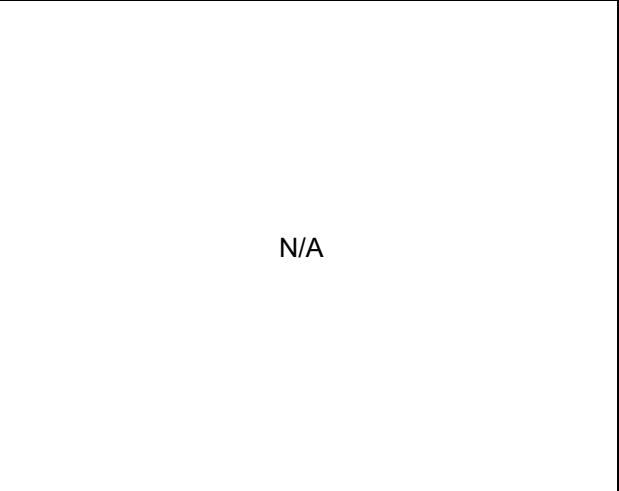
40M PI/2-BPSK CH641666 3625(100,6)



40M PI/2-BPSK CH645332 3680(100,0)



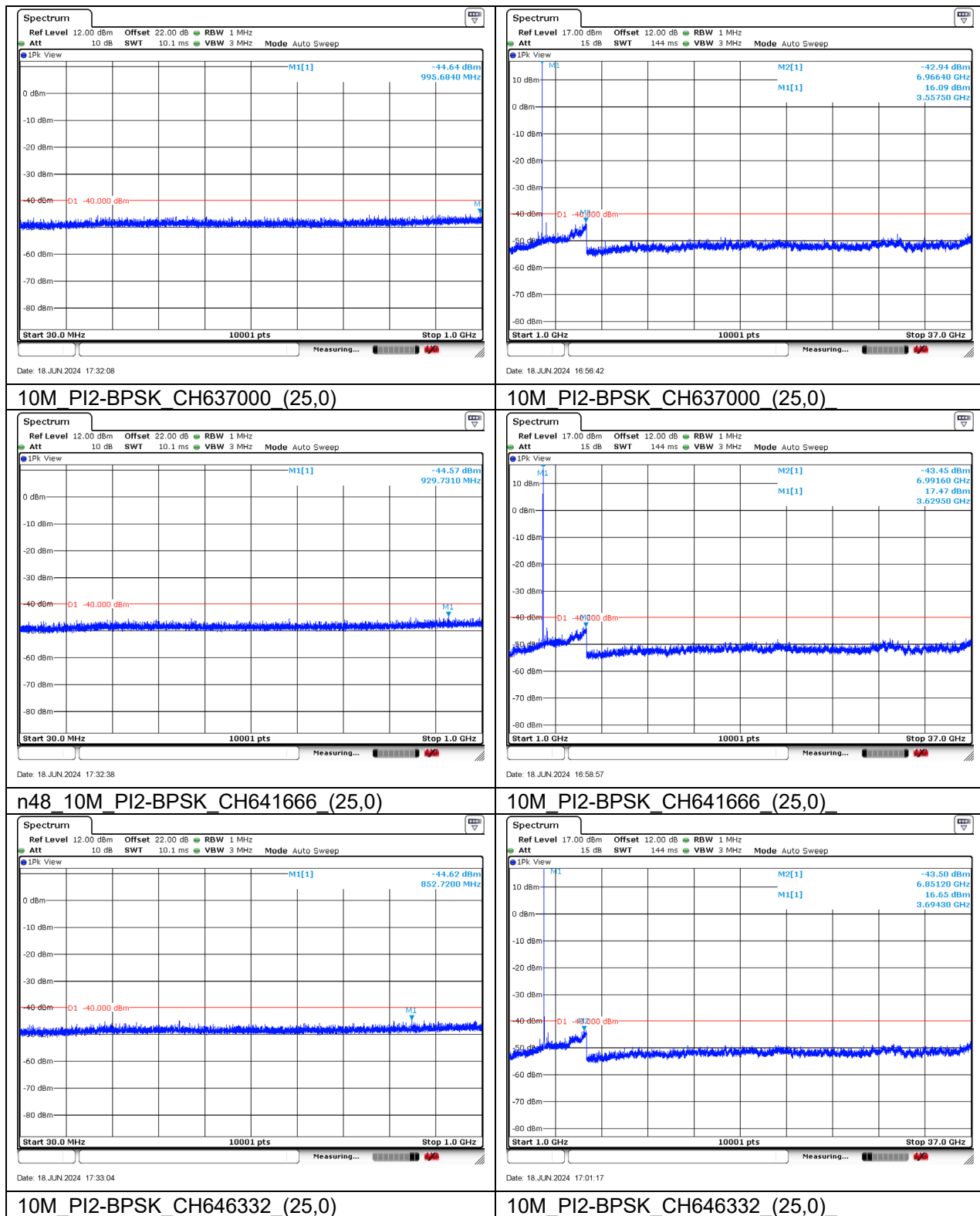
40M PI/2-BPSK CH645332 3680(100,6)

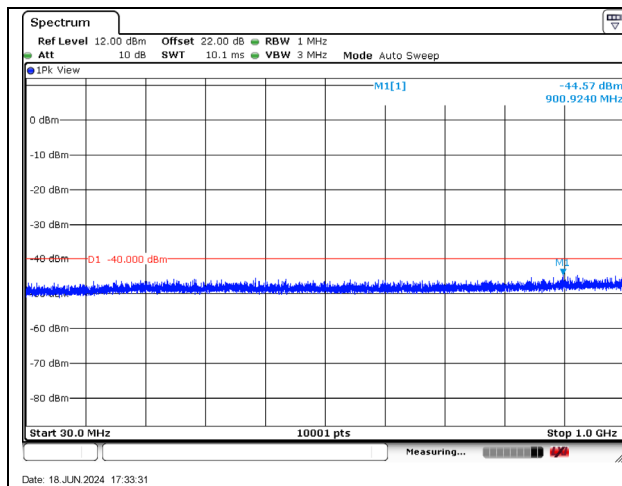


N/A

N/A

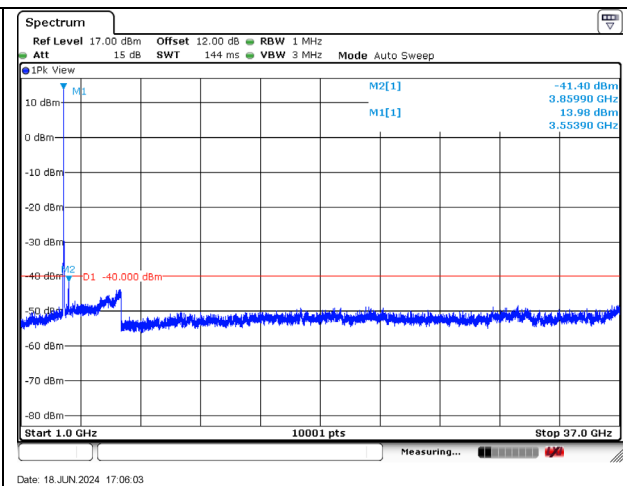
Appendix E.1 Test Result of Conducted Spurious Emission





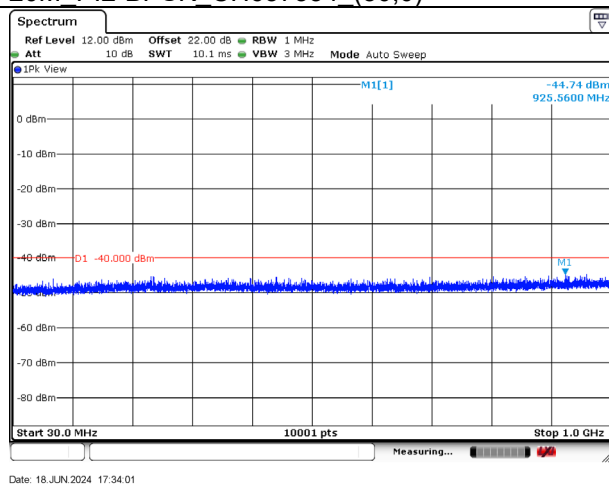
Date: 18 JUN 2024 17:33:31

20M PI2-BPSK CH637334 (50,0)



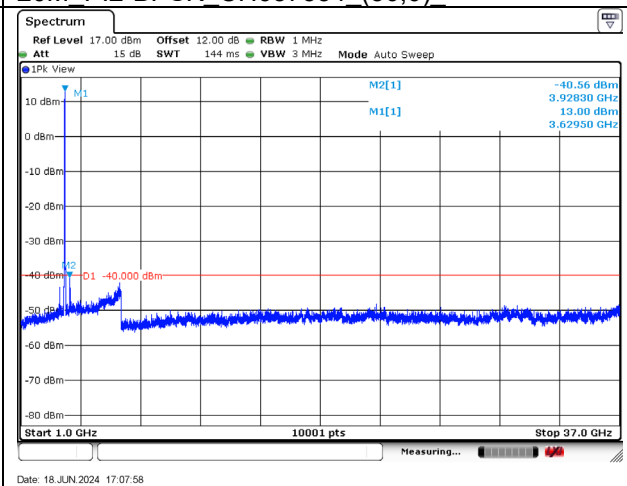
Date: 18 JUN 2024 17:06:03

20M PI2-BPSK CH637334 (50,0)



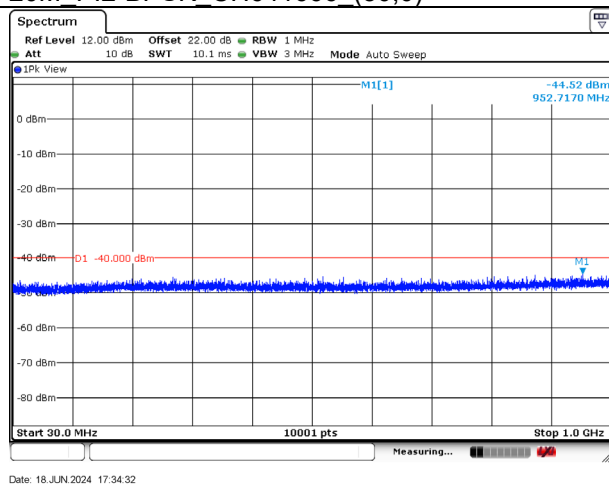
Date: 18 JUN 2024 17:34:01

20M PI2-BPSK CH641666 (50,0)



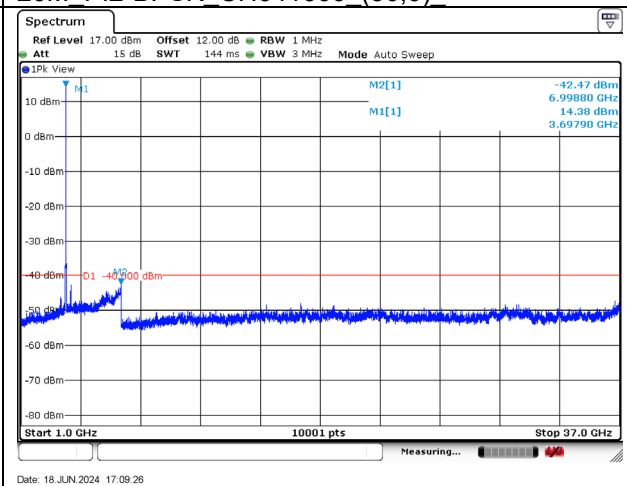
Date: 18 JUN 2024 17:07:58

20M PI2-BPSK CH641666 (50,0)



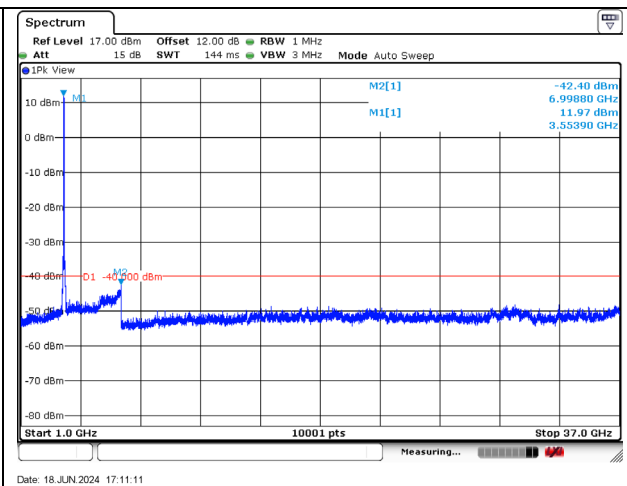
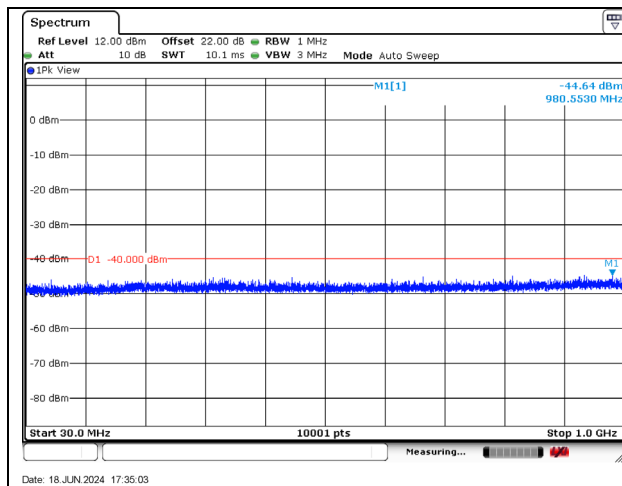
Date: 18 JUN 2024 17:34:32

20M PI2-BPSK CH646000 (50,0)



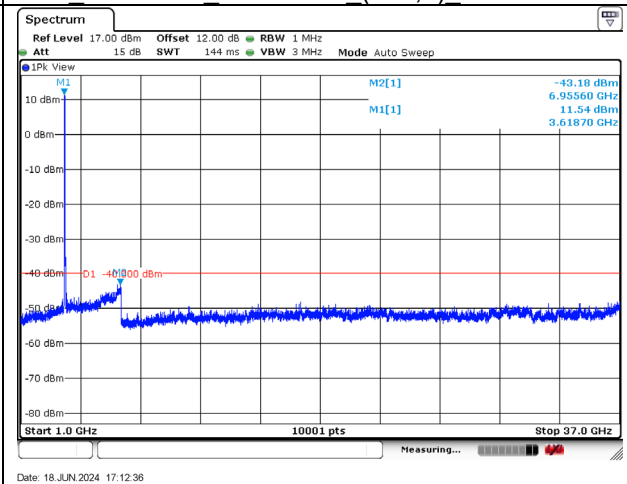
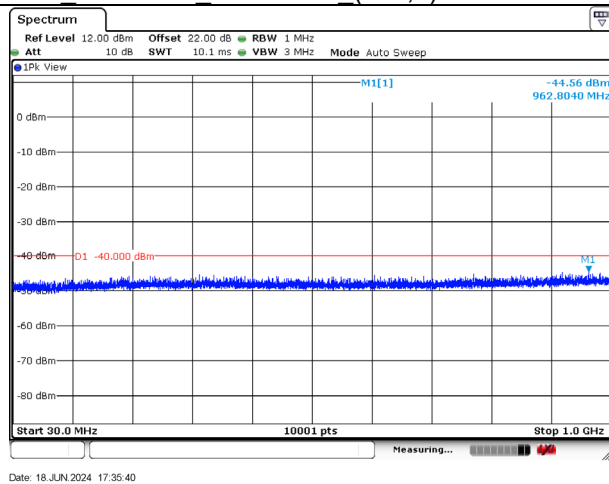
Date: 18 JUN 2024 17:09:26

20M PI2-BPSK CH646000 (50,0)



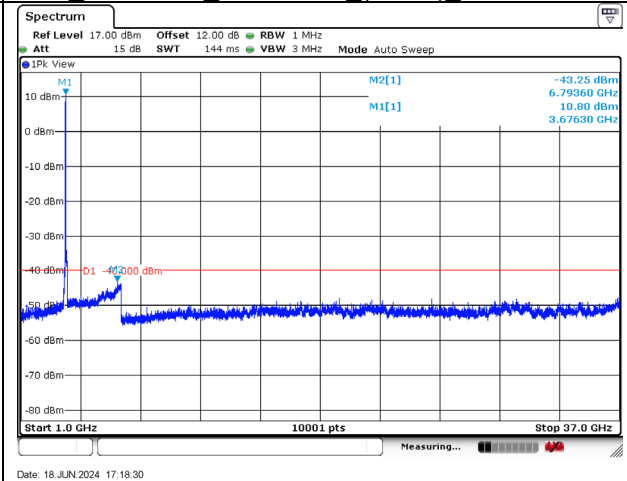
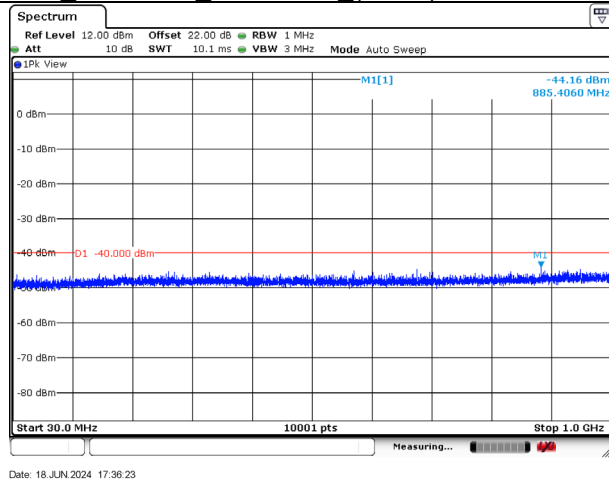
40M PI2-BPSK CH638000 (100,0)

40M PI2-BPSK CH638000 (100,0)



40M PI2-BPSK CH641666 (100,0)

40M PI2-BPSK CH641666 (100,0)

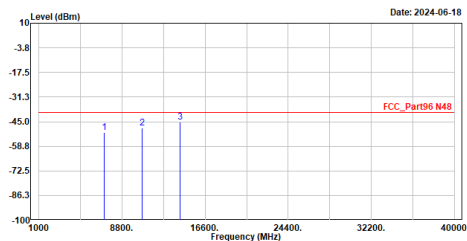


40M PI2-BPSK CH645332 (100,0)

40M PI2-BPSK CH645332 (100,0)

Appendix E.2 Test Result of Field Strength of Spurious Radiation

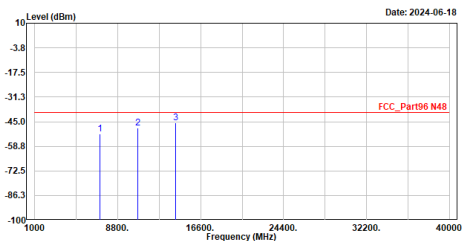
Site :HY-CB03
Condition :3m Horizontal
Mode :5G_n48_20M_BPSK_50RB0_CH637334
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	7120.020	-51.19	-40.00	-11.19	-55.69	4.50	Peak
2	10680.030	-48.63	-40.00	-8.63	-56.22	7.59	Peak
3	14240.040	-45.10	-40.00	-5.10	-58.23	13.13	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVn) to EIRP (dBm)
= $107 + 20\log(3) - 104.8 = 11.8$ dB
5. The other emission levels were very low against the limit.

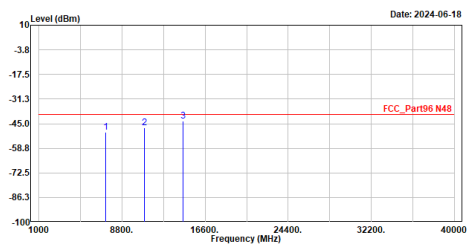
Site :HY-CB03
Condition :3m Vertical
Mode :5G_n48_20M_BPSK_50RB0_CH637334
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	7120.020	-51.72	-40.00	-11.72	-56.22	4.50	Peak
2	10680.030	-48.54	-40.00	-8.54	-56.13	7.59	Peak
3	14240.040	-45.44	-40.00	-5.44	-58.57	13.13	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVn) to EIRP (dBm)
= $107 + 20\log(3) - 104.8 = 11.8$ dB
5. The other emission levels were very low against the limit.

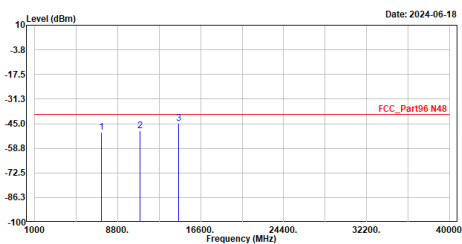
Site :HY-CB03
Condition :3m Horizontal
Mode :5G_n48_20M_BPSK_50RB0_CH641666
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	7249.980	-49.81	-40.00	-9.81	-54.68	4.87	Peak
2	10874.970	-47.37	-40.00	-7.37	-55.42	8.05	Peak
3	14499.960	-43.70	-40.00	-3.70	-56.39	12.69	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVn) to EIRP (dBm)
= $107 + 20\log(3) - 104.8 = 11.8$ dB
5. The other emission levels were very low against the limit.

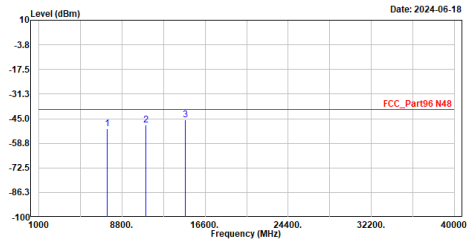
Site :HY-CB03
Condition :3m Vertical
Mode :5G_n48_20M_BPSK_50RB0_CH641666
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	7249.980	-49.90	-40.00	-9.90	-54.77	4.87	Peak
2	10874.970	-49.06	-40.00	-9.06	-57.11	8.05	Peak
3	14499.960	-44.94	-40.00	-4.94	-57.63	12.69	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVn) to EIRP (dBm)
= $107 + 20\log(3) - 104.8 = 11.8$ dB
5. The other emission levels were very low against the limit.

Site :HY-CB03
Condition :3m Horizontal
Mode :5G_n48_20M_BPSK_50RB0_CH646000
Test BY :Ashton

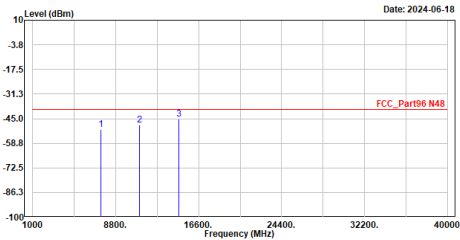


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	7380.000	-50.64	-40.00	-10.64	-55.83	5.19	Peak
2	11070.000	-48.55	-40.00	-8.55	-57.48	8.93	Peak
3	14760.000	-45.79	-40.00	-5.79	-58.35	12.56	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVn) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.

Site :HY-CB03
Condition :3m Vertical
Mode :5G_n48_20M_BPSK_50RB0_CH646000
Test BY :Ashton

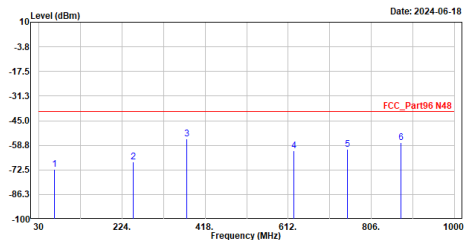


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	7380.000	-51.22	-40.00	-11.22	-56.41	5.19	Peak
2	11070.000	-48.59	-40.00	-8.59	-57.52	8.93	Peak
3	14760.000	-45.25	-40.00	-5.25	-57.81	12.56	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVn) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.

Site :HY-CB03
Condition :3m Horizontal
Mode :5G_n48_20M_BPSK_50RB0_CH637334
Test BY :Ashton

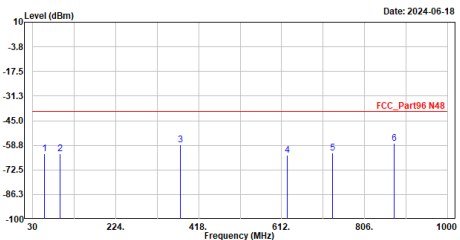


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	65.890	-72.21	-40.00	-32.21	-58.26	-13.95	Peak
2	250.190	-68.00	-40.00	-28.00	-55.06	-12.94	Peak
3	375.320	-55.36	-40.00	-15.36	-46.37	-8.99	Peak
4	625.580	-61.75	-40.00	-21.75	-58.46	-3.29	Peak
5	731.310	-60.92	-40.00	-20.92	-59.73	-1.19	Peak
6	875.840	-57.45	-40.00	-17.45	-57.34	-0.11	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVn) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.

Site :HY-CB03
Condition :3m Vertical
Mode :5G_n48_20M_BPSK_50RB0_CH637334
Test BY :Ashton

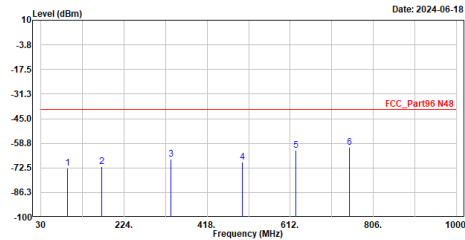


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	58.130	-63.56	-40.00	-23.56	-51.23	-12.33	Peak
2	94.020	-63.58	-40.00	-23.58	-46.40	-17.18	Peak
3	375.320	-58.30	-40.00	-18.30	-49.31	-8.99	Peak
4	625.580	-64.45	-40.00	-24.45	-61.16	-3.29	Peak
5	731.310	-62.88	-40.00	-22.88	-61.46	-1.42	Peak
6	875.840	-57.55	-40.00	-17.55	-57.44	-0.11	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVn) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.

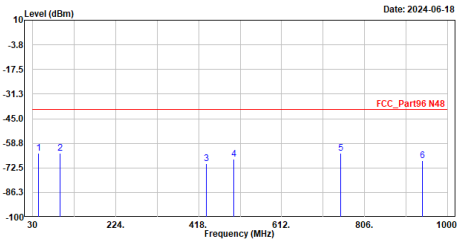
Site :HY-CB03
Condition :3m Horizontal
Mode :5G_n48_20M_BPSK_50RB0_CH641666
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	Limit	Level	dB	
1	93.050	-72.47	-40.00	-32.47	-55.20	-17.27	Peak
2	171.620	-71.82	-40.00	-31.82	-59.24	-12.58	Peak
3	333.610	-67.78	-40.00	-27.78	-57.74	-10.04	Peak
4	500.450	-69.23	-40.00	-29.23	-63.16	-6.07	Peak
5	625.580	-62.47	-40.00	-22.47	-59.18	-3.29	Peak
6	750.710	-61.02	-40.00	-21.02	-59.83	-1.19	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVn) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.

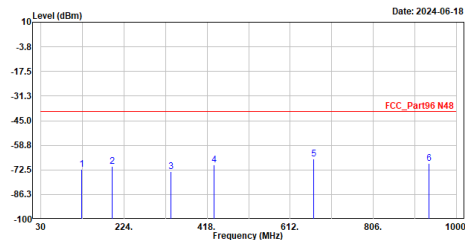
Site :HY-CB03
Condition :3m Vertical
Mode :5G_n48_20M_BPSK_50RB0_CH641666
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	Limit	Level	dB	
1	43.580	-64.11	-40.00	-24.11	-52.28	-11.83	Peak
2	94.020	-64.30	-40.00	-24.30	-47.12	-17.18	Peak
3	435.460	-70.15	-40.00	-30.15	-62.80	-7.35	Peak
4	500.450	-67.77	-40.00	-27.77	-61.70	-6.07	Peak
5	750.710	-64.15	-40.00	-24.15	-62.96	-1.19	Peak
6	940.830	-68.36	-40.00	-28.36	-69.58	1.22	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVn) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.

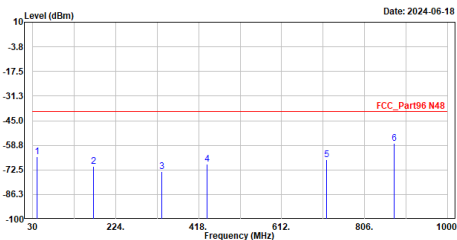
Site :HY-CB03
Condition :3m Horizontal
Mode :5G_n48_20M_BPSK_50RB0_CH646000
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	Limit	Level	dB	
1	125.060	-72.11	-40.00	-32.11	-58.27	-13.84	Peak
2	195.870	-70.48	-40.00	-30.48	-55.73	-14.75	Peak
3	333.610	-73.26	-40.00	-33.26	-63.22	-10.04	Peak
4	433.520	-69.67	-40.00	-29.67	-62.19	-7.48	Peak
5	666.320	-66.47	-40.00	-26.47	-63.76	-2.71	Peak
6	935.980	-68.77	-40.00	-28.77	-69.87	1.10	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVn) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.

Site :HY-CB03
Condition :3m Vertical
Mode :5G_n48_20M_BPSK_50RB0_CH646000
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	Limit	Level	dB	
1	40.670	-65.25	-40.00	-25.25	-53.03	-12.22	Peak
2	172.590	-70.65	-40.00	-30.65	-57.92	-12.73	Peak
3	332.640	-73.34	-40.00	-33.34	-63.30	-10.04	Peak
4	438.370	-69.47	-40.00	-29.47	-62.25	-7.22	Peak
5	717.730	-66.69	-40.00	-26.69	-64.86	-1.83	Peak
6	875.840	-57.85	-40.00	-17.85	-57.74	-0.11	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVn) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.

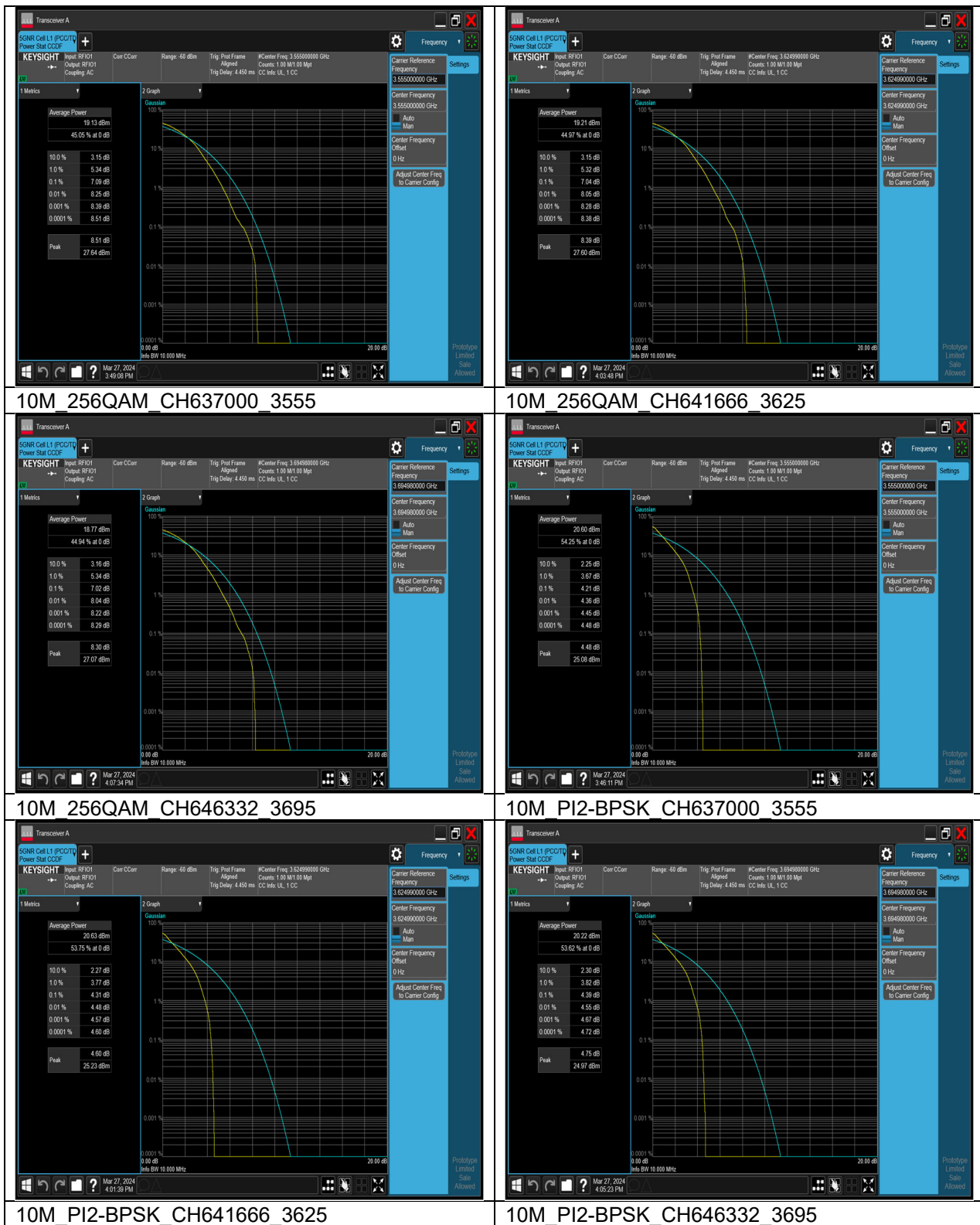
Appendix F. Test Result of Frequency Stability

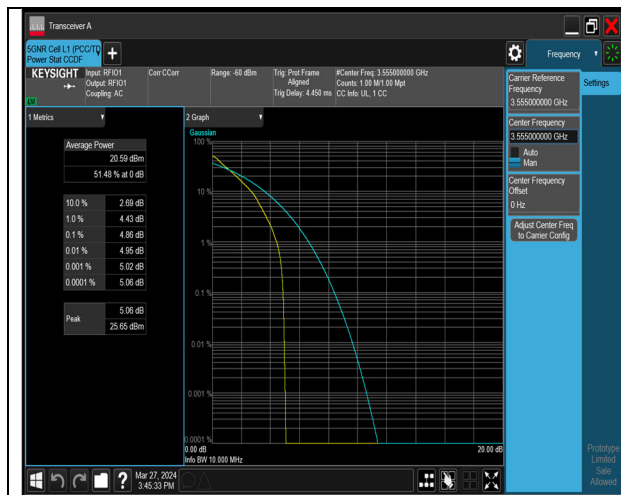
Temperature	Channel	Deviation (Hz)		
Interval(°C)		10M	20M	40M
-30	low	-17.21	-17.51	-16.23
-30	Mid	-15.08	-20.19	-12.33
-30	high	-18.91	-17.82	-23.54
-20	low	-17.93	-15.70	-16.63
-20	Mid	-11.58	-15.55	-12.31
-20	high	-15.81	-17.87	-16.52
-10	low	-17.27	-15.01	-17.86
-10	Mid	-15.34	-13.56	-20.01
-10	high	-19.81	-15.67	-18.90
0	low	-18.56	-15.39	-15.61
0	Mid	-13.57	-16.89	-14.66
0	high	-21.32	-18.17	-20.21
10	low	-16.08	-12.73	-14.28
10	Mid	-13.25	-16.86	-15.01
10	high	-19.98	-18.14	-18.42
20	low	-14.14	-13.95	-14.52
20	Mid	-12.74	-14.96	-13.43
20	high	-20.28	-18.47	-17.88
30	low	-17.30	-15.86	-19.01
30	Mid	-11.24	-18.30	-15.37
30	high	-20.73	-17.51	-21.10
40	low	-17.31	-16.82	-18.39
40	Mid	-16.55	-22.23	-16.44
40	high	-21.71	-19.38	-17.56
50	low	-19.21	-14.08	-16.06
50	Mid	-14.87	-15.26	-17.32
50	high	-20.36	-16.74	-20.49

Voltage Variations

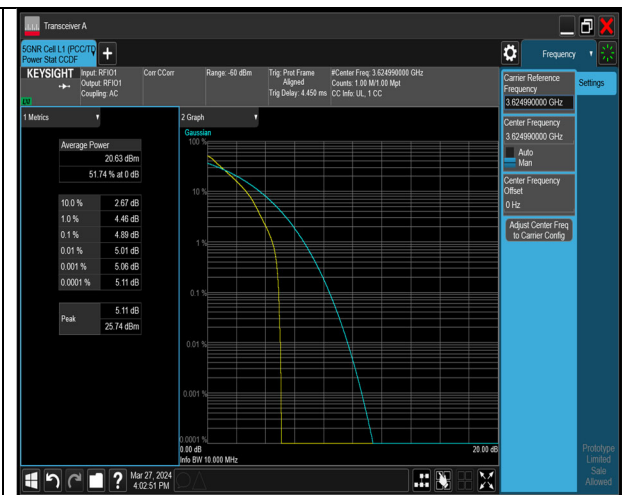
AC Voltage	Channel	Deviation (Hz)		
(V)		10M	20M	40M
56	low	-17.26	-13.91	-18.88
56	Mid	-13.68	-18.36	-13.84
56	high	-18.85	-16.29	-19.21
12	low	-14.14	-13.95	-14.52
12	Mid	-12.74	-14.96	-13.43
12	high	-20.28	-18.47	-17.88
10	low	-17.11	-16.45	-15.66
10	Mid	-13.39	-14.18	-16.17
10	high	-21.12	-19.10	-20.15

Appendix G. Test Result of Peak to Average Ratio

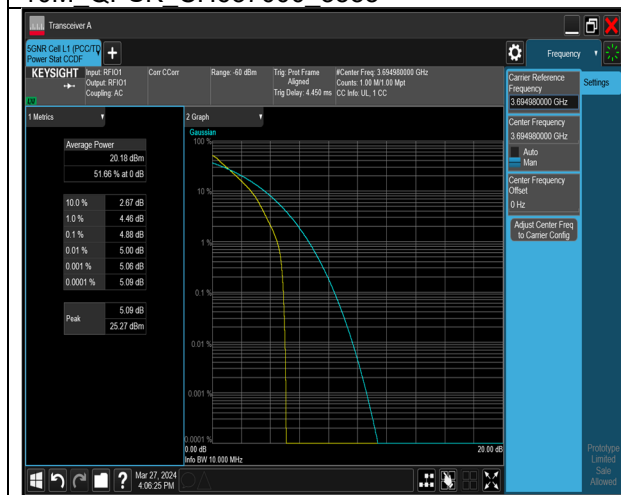




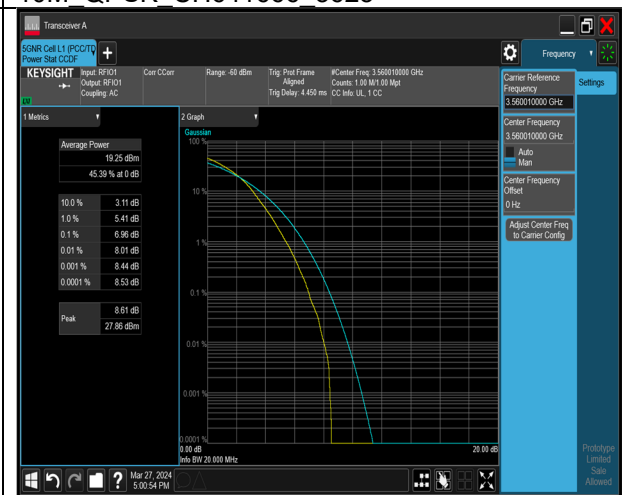
10M QPSK CH637000 3555



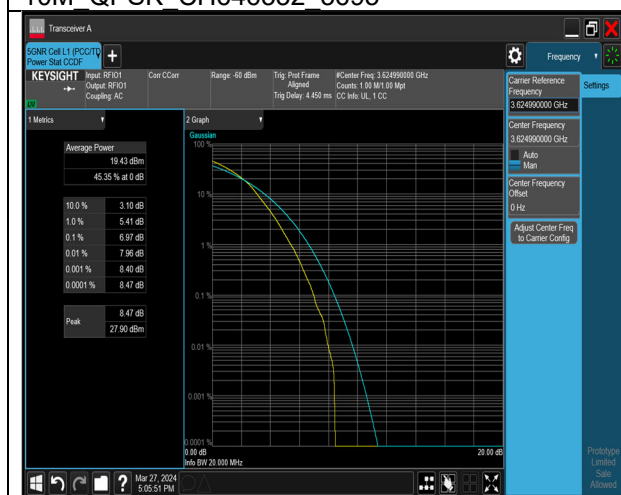
10M QPSK CH641666 3625



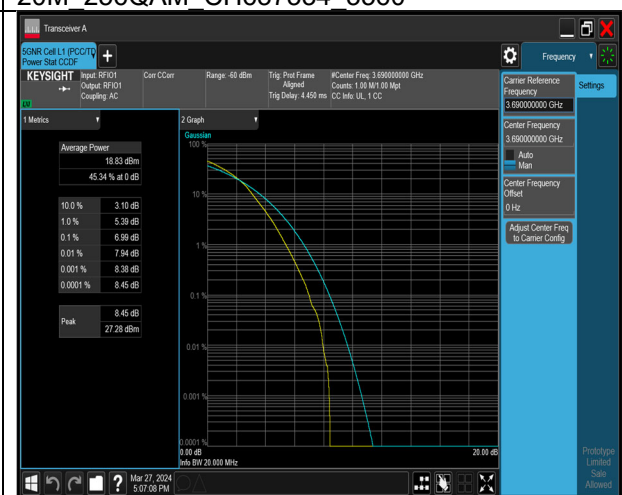
10M QPSK CH646332 3695



20M 256QAM CH637334 3560



20M 256QAM CH641666 3625



20M 256QAM CH646000 3690