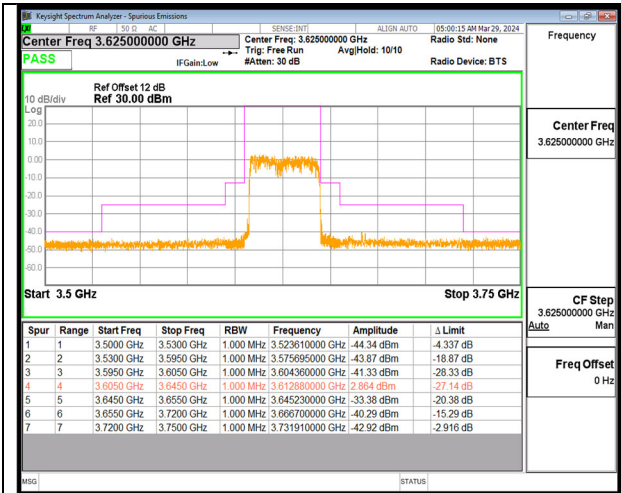
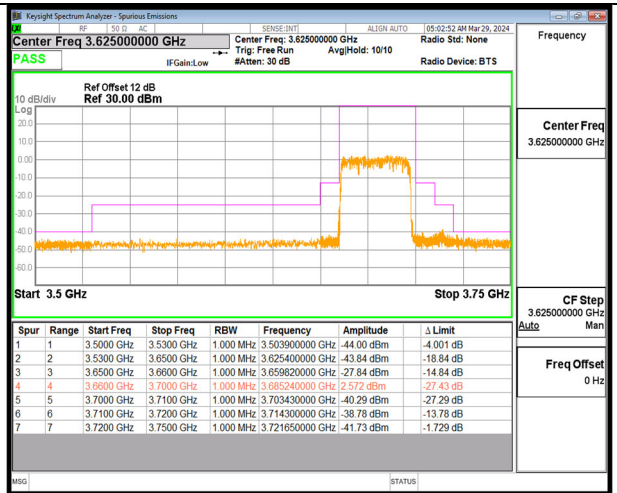
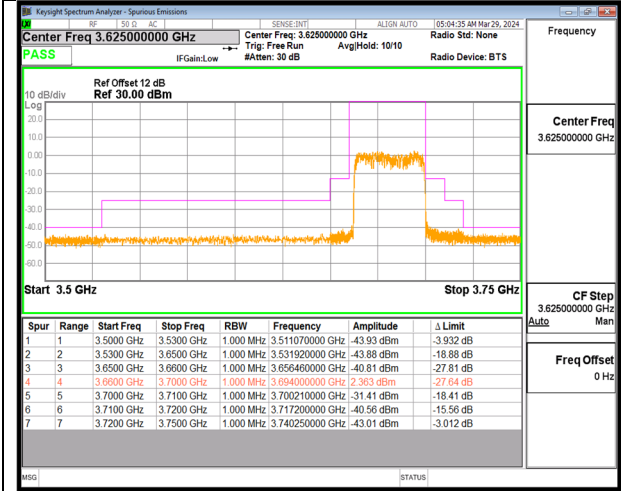




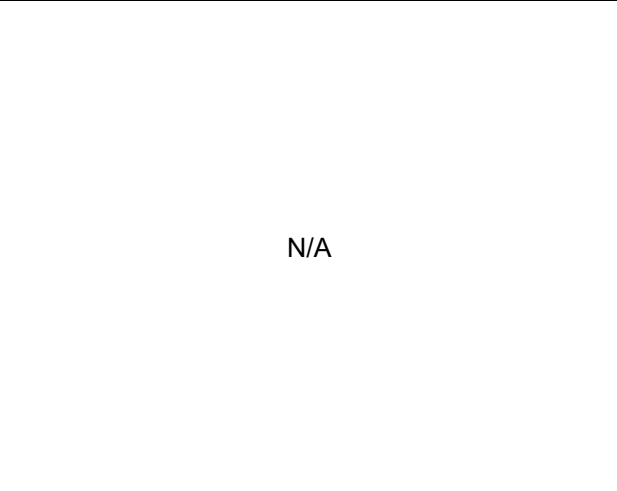
40M PI/2-BPSK CH641666 3625(100,6)



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



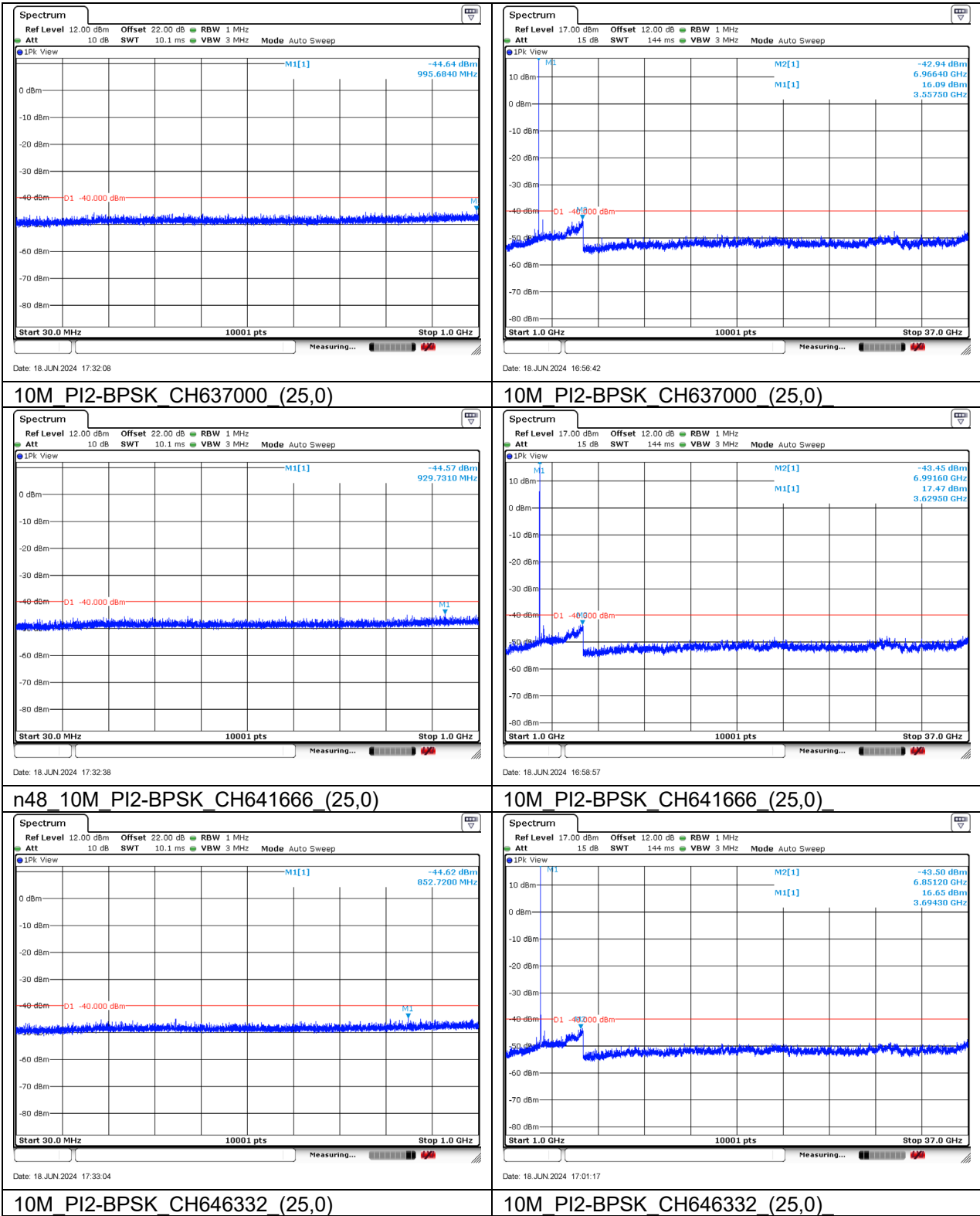
40M PI/2-BPSK CH645332 3680(100,6)

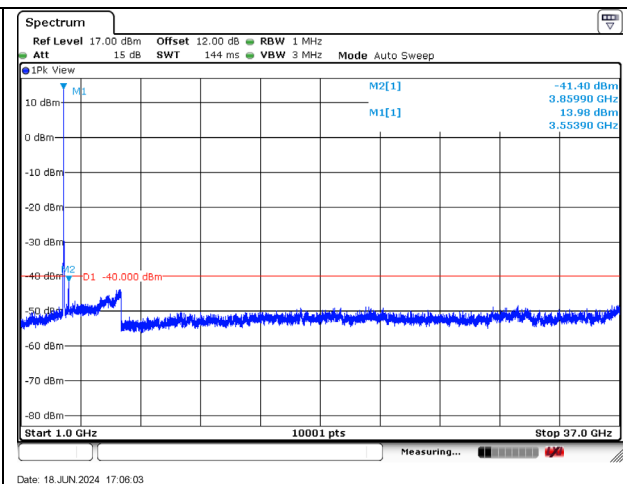
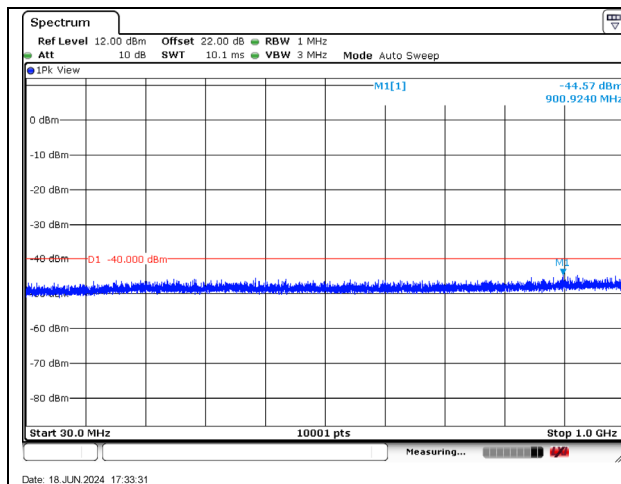


N/A

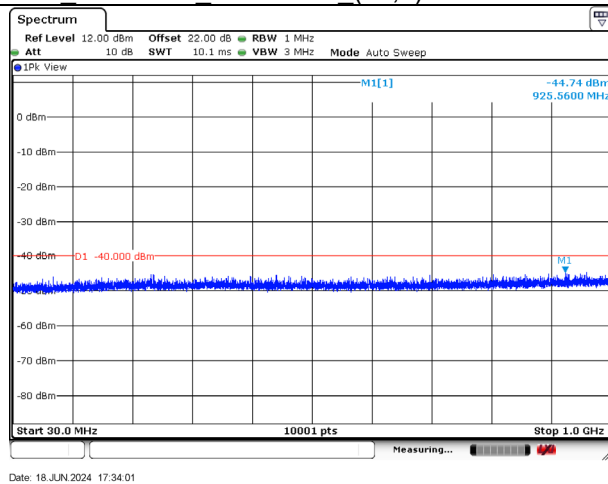
N/A

Appendix E.1 Test Result of Conducted Spurious Emission

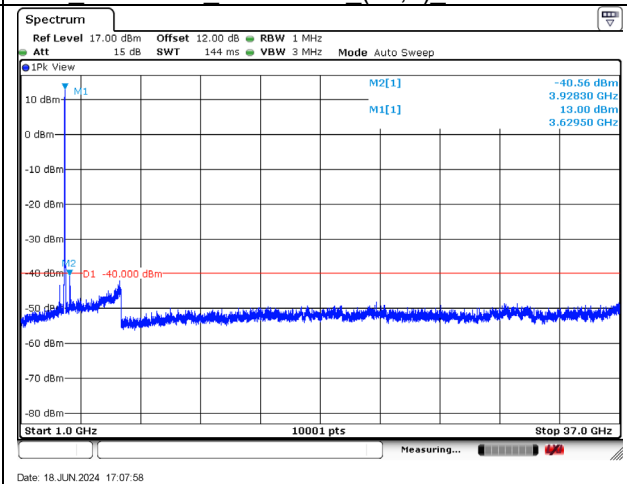




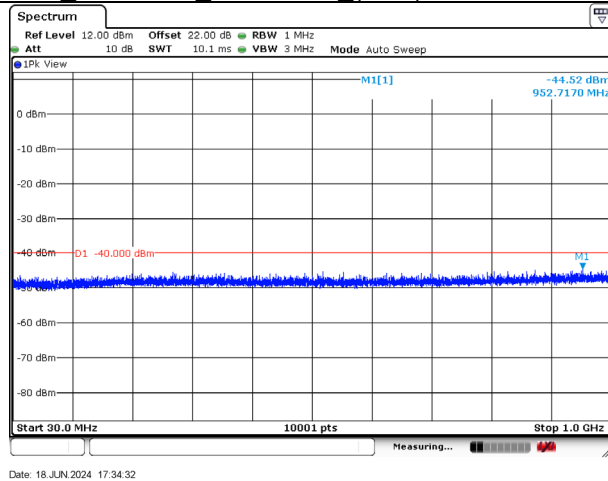
20M PI2-BPSK CH637334 (50,0)



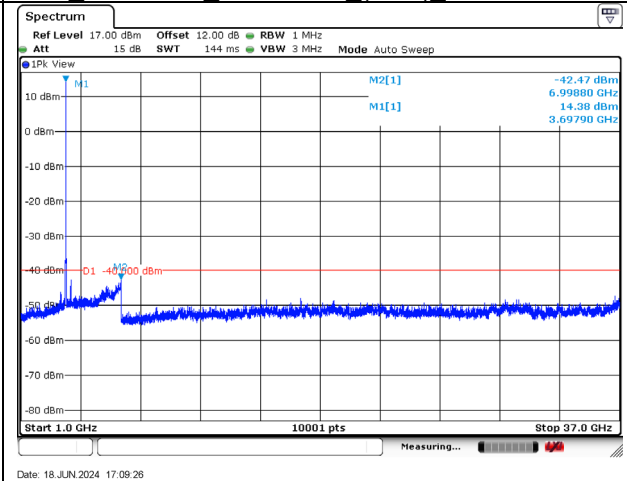
20M PI2-BPSK CH637334 (50,0)



20M PI2-BPSK CH641666 (50,0)

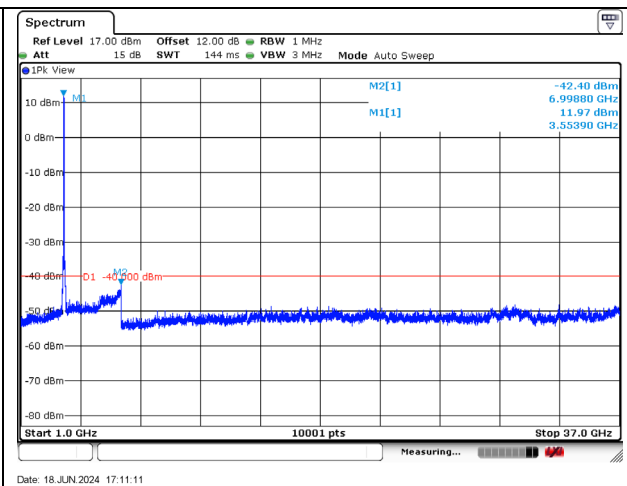
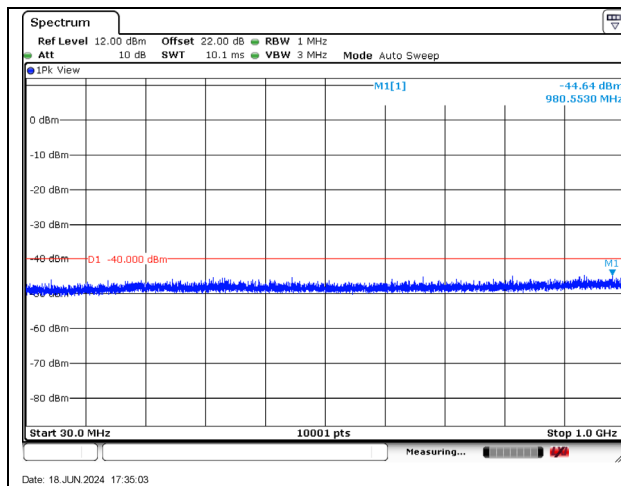


20M PI2-BPSK CH641666 (50,0)



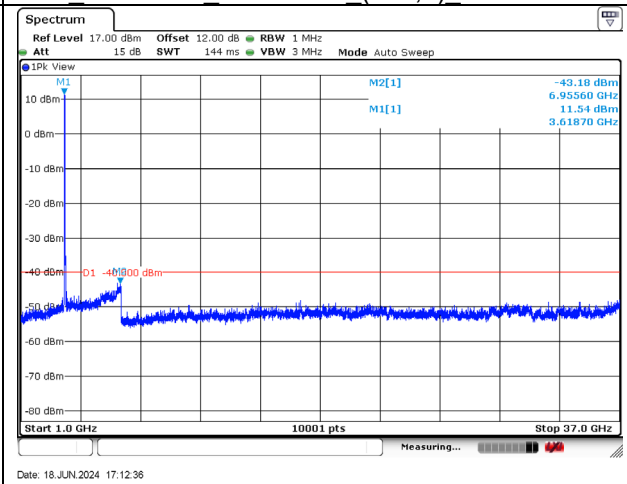
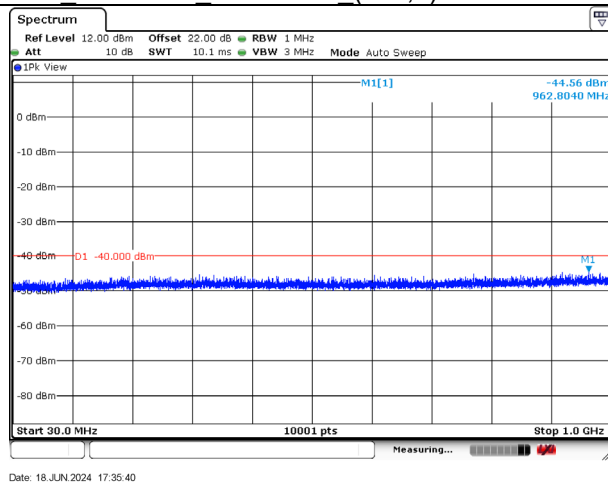
20M PI2-BPSK CH646000 (50,0)

20M PI2-BPSK CH646000 (50,0)



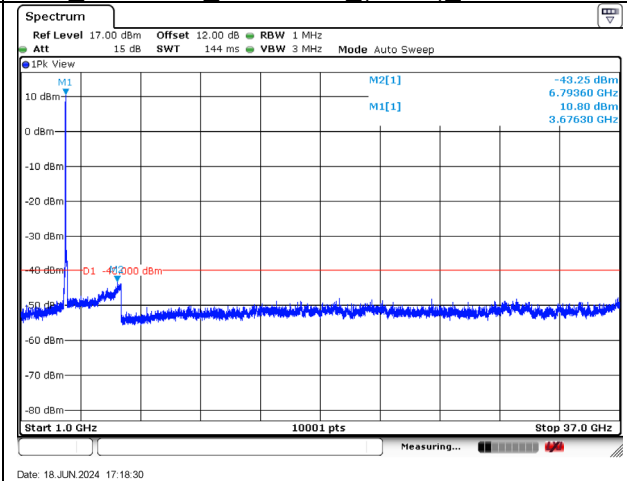
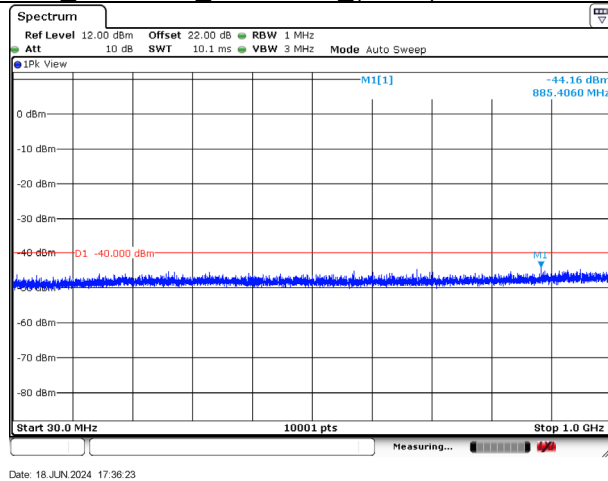
40M PI2-BPSK CH638000 (100,0)

40M PI2-BPSK CH638000 (100,0)



40M PI2-BPSK CH641666 (100,0)

40M PI2-BPSK CH641666 (100,0)

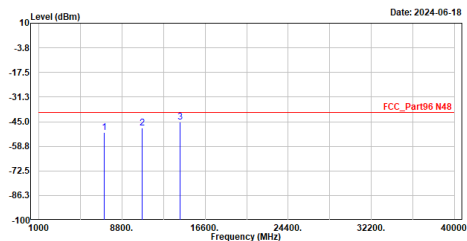


40M PI2-BPSK CH645332 (100,0)

40M PI2-BPSK CH645332 (100,0)

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

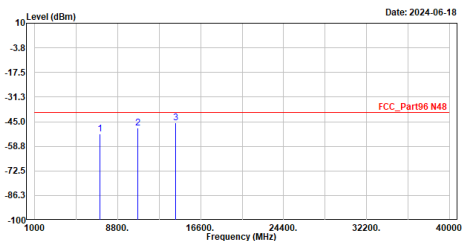
Site :HY-CB03
Condition :3m Horizontal
Mode :5G_n48_20M_BPSK_50RB0_CH637334
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	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.

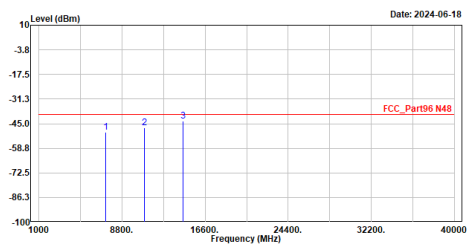
Site :HY-CB03
Condition :3m Vertical
Mode :5G_n48_20M_BPSK_50RB0_CH637334
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	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.

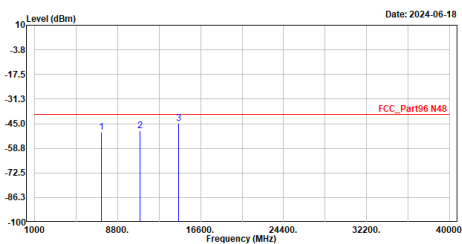
Site :HY-CB03
Condition :3m Horizontal
Mode :5G_n48_20M_BPSK_50RB0_CH641666
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	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.

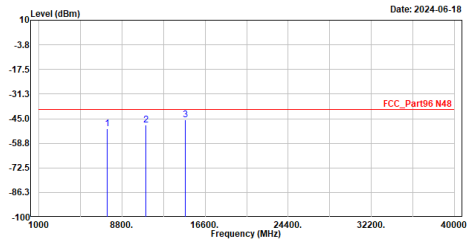
Site :HY-CB03
Condition :3m Vertical
Mode :5G_n48_20M_BPSK_50RB0_CH641666
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	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

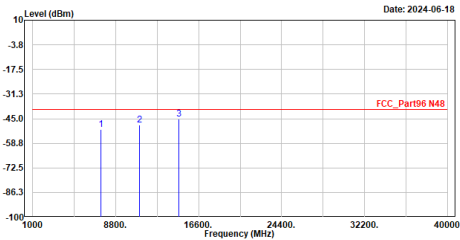


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	7380.000	-50.64	-40.00	-10.64	-55.83	5.19	Peak
2	11070.000	-48.55	-40.00	-8.55	-57.48	8.93	Peak
3	14760.000	-45.79	-40.00	-5.79	-58.35	12.56	Peak

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 (dBuVm) 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

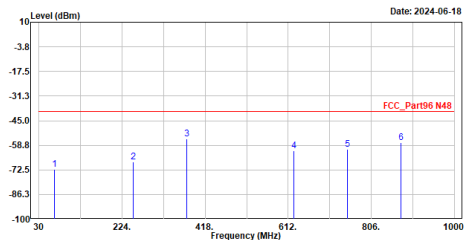


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	7380.000	-51.22	-40.00	-11.22	-56.41	5.19	Peak
2	11070.000	-48.59	-40.00	-8.59	-57.52	8.93	Peak
3	14760.000	-45.25	-40.00	-5.25	-57.81	12.56	Peak

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 (dBuVm) 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

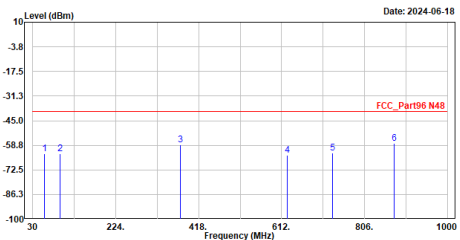


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	65.890	-72.21	-40.00	-32.21	-58.26	-13.95	Peak
2	250.190	-68.00	-40.00	-28.00	-55.06	-12.94	Peak
3	375.320	-55.36	-40.00	-15.36	-46.37	-8.99	Peak
4	625.580	-61.75	-40.00	-21.75	-58.46	-3.29	Peak
5	731.310	-60.92	-40.00	-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 (dBuVm) 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

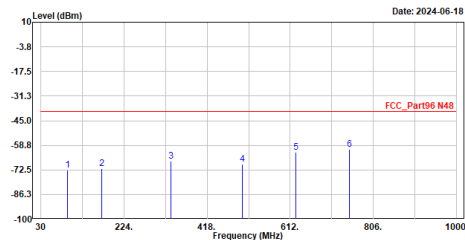


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB	
1	58.130	-63.56	-40.00	-23.56	-51.23	-12.33	Peak
2	94.020	-63.58	-40.00	-23.58	-46.40	-17.18	Peak
3	375.320	-58.30	-40.00	-18.30	-49.31	-8.99	Peak
4	625.580	-64.45	-40.00	-24.45	-61.16	-3.29	Peak
5	731.310	-62.88	-40.00	-22.88	-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 (dBuVm) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.

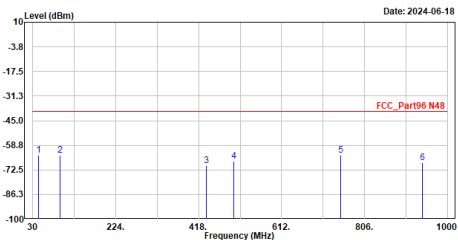
Site :HY-CB03
Condition :3m Horizontal
Mode :5G_n48_20M_BPSK_50RB0_CH641666
Test BY :Ashton



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 (dBuV/m) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.

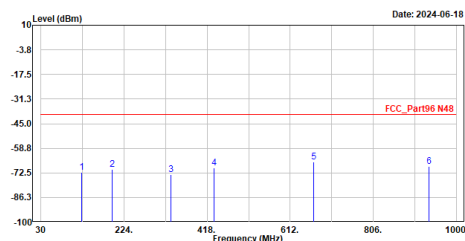
Site :HY-CB03
Condition :3m Vertical
Mode :5G_n48_20M_BPSK_50RB0_CH641666
Test BY :Ashton



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 (dBuV/m) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.

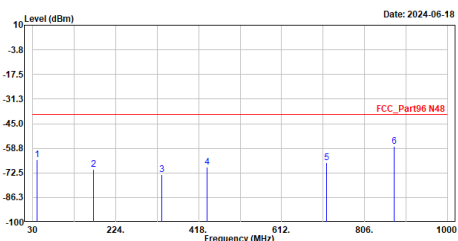
Site :HY-CB03
Condition :3m Horizontal
Mode :5G_n48_20M_BPSK_50RB0_CH646000
Test BY :Ashton



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 (dBuV/m) 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 (dBuV/m) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.

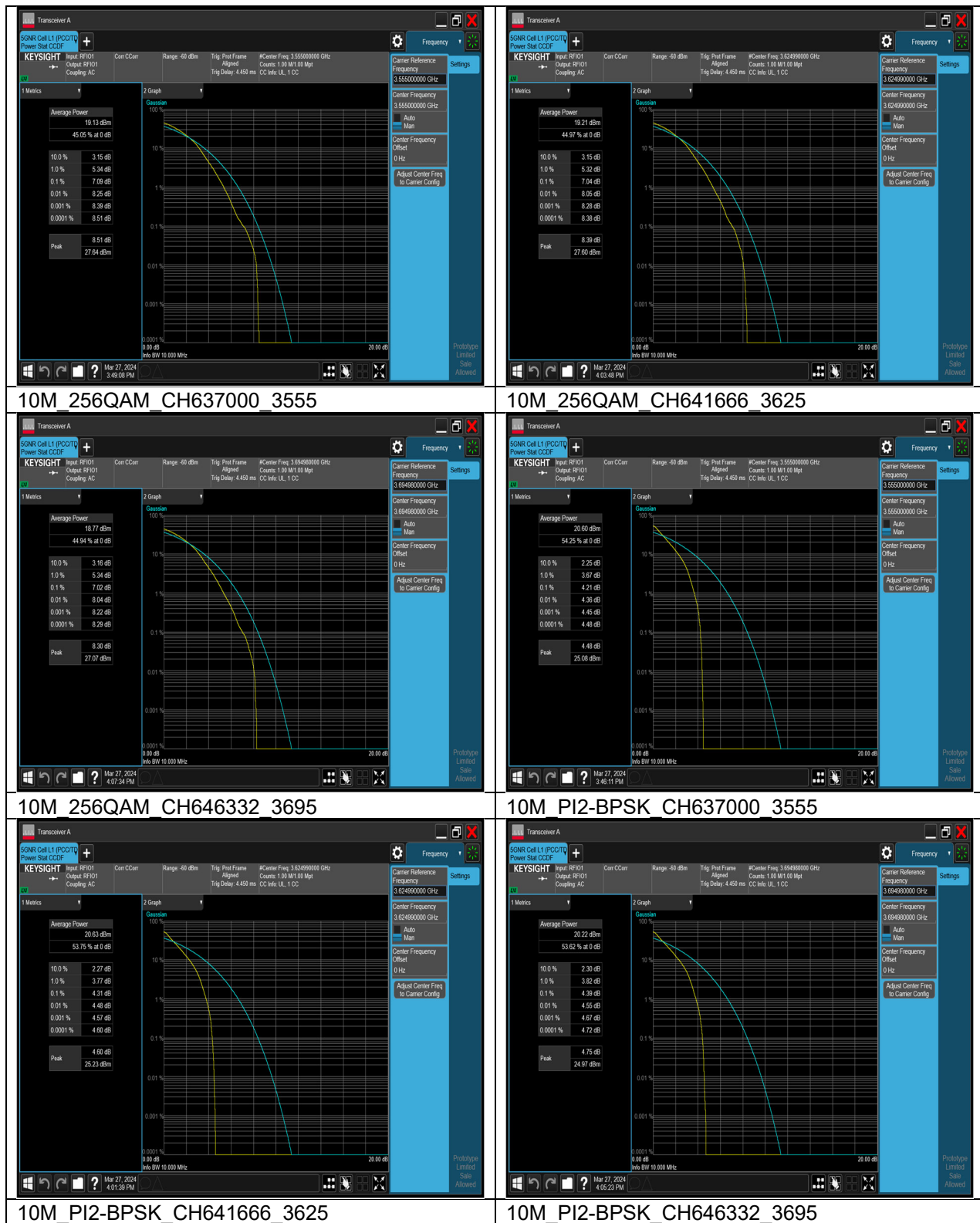
Appendix F. Test Result of Frequency Stability

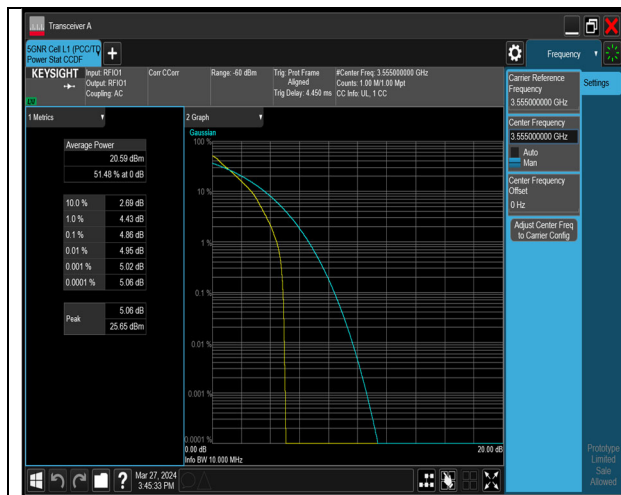
Temperature	Channel	Deviation (Hz)		
Interval(°C)		10M	20M	40M
-30	low	-17.21	-17.51	-16.23
-30	Mid	-15.08	-20.19	-12.33
-30	high	-18.91	-17.82	-23.54
-20	low	-17.93	-15.70	-16.63
-20	Mid	-11.58	-15.55	-12.31
-20	high	-15.81	-17.87	-16.52
-10	low	-17.27	-15.01	-17.86
-10	Mid	-15.34	-13.56	-20.01
-10	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

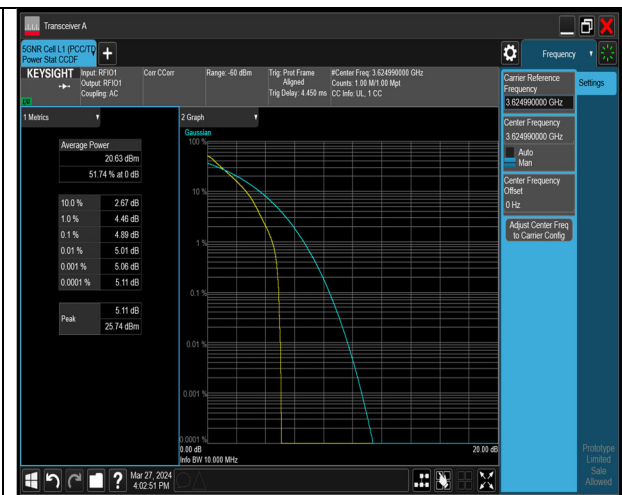
AC Voltage	Channel	Deviation (Hz)		
(V)		10M	20M	40M
56	low	-17.26	-13.91	-18.88
56	Mid	-13.68	-18.36	-13.84
56	high	-18.85	-16.29	-19.21
12	low	-14.14	-13.95	-14.52
12	Mid	-12.74	-14.96	-13.43
12	high	-20.28	-18.47	-17.88
10	low	-17.11	-16.45	-15.66
10	Mid	-13.39	-14.18	-16.17
10	high	-21.12	-19.10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

Appendix G. Test Result of Peak to Average Ratio

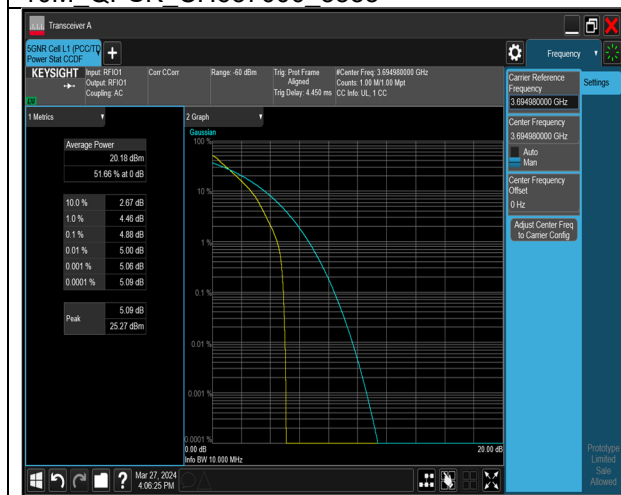




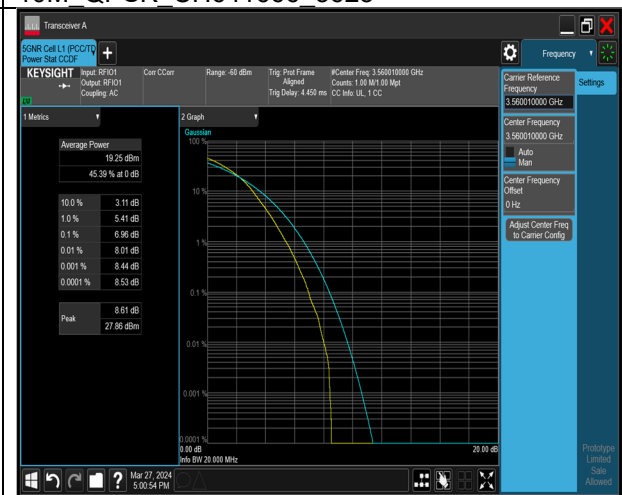
10M QPSK CH637000 3555



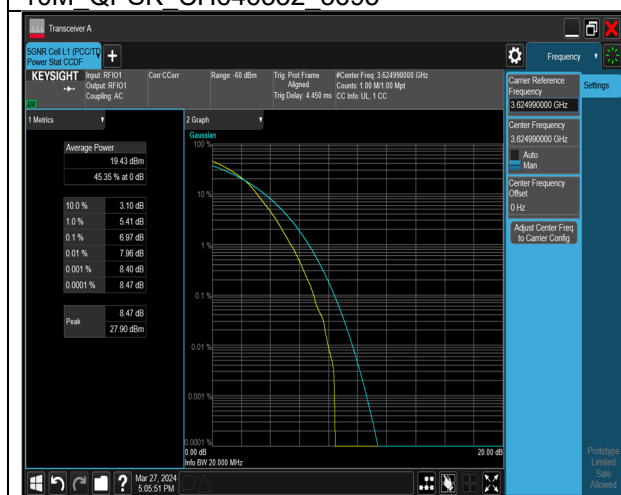
10M QPSK CH641666 3625



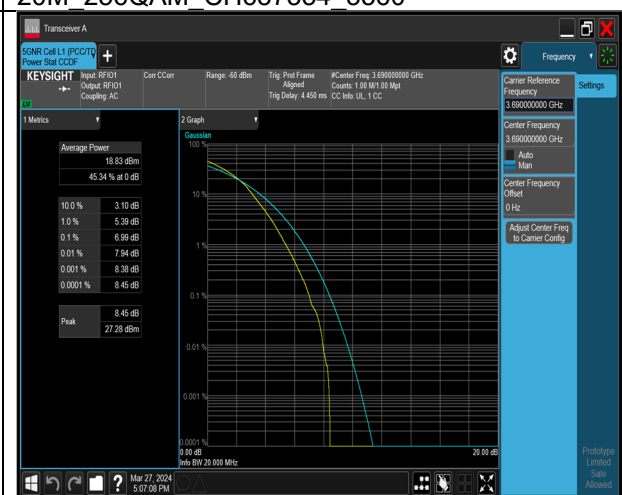
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