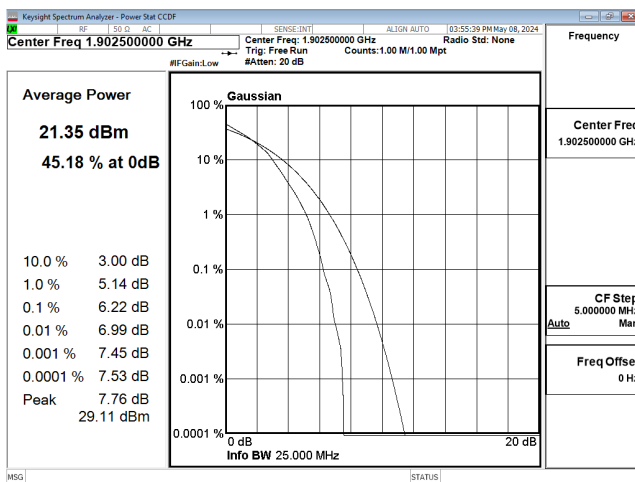
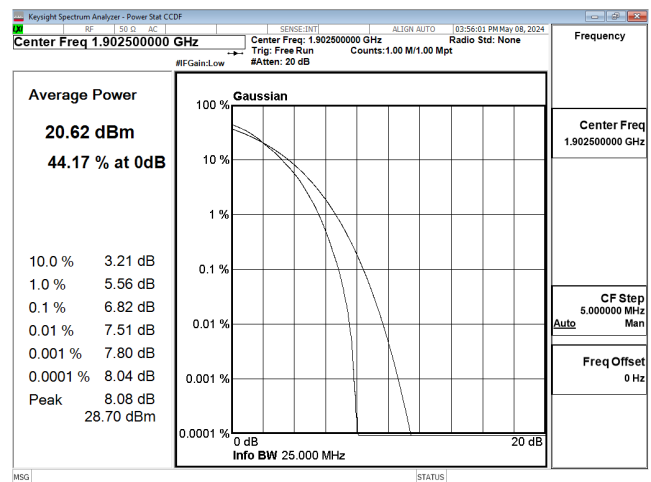
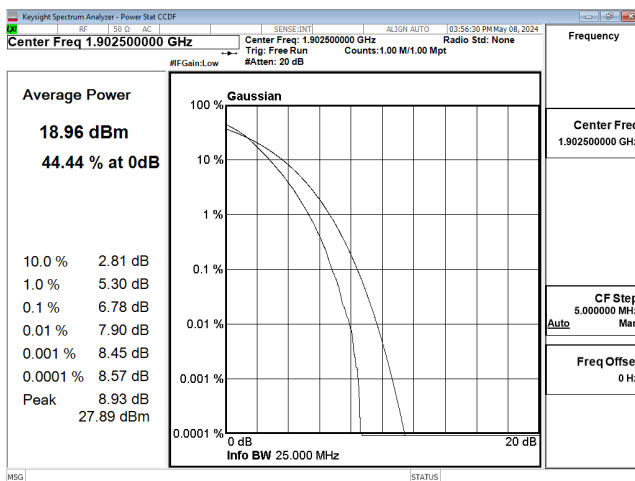




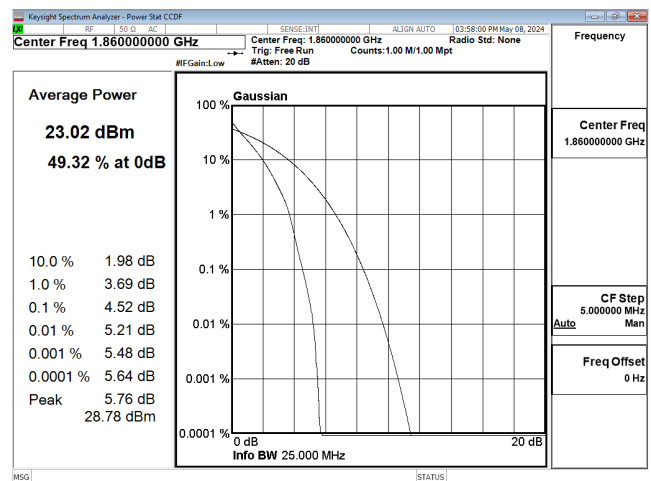
PTAR n2 15M CH380500 16QAM



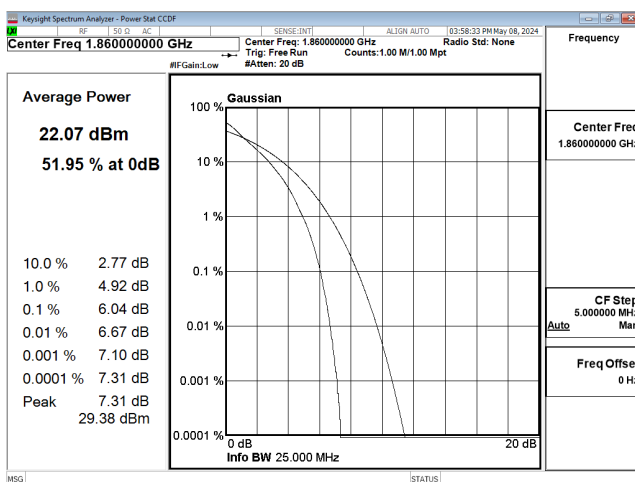
PTAR n2 15M CH380500 64QAM



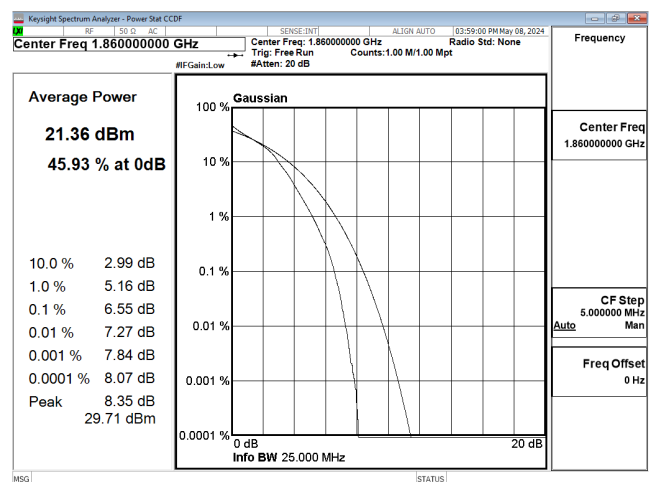
PTAR n2 15M CH380500 256QAM



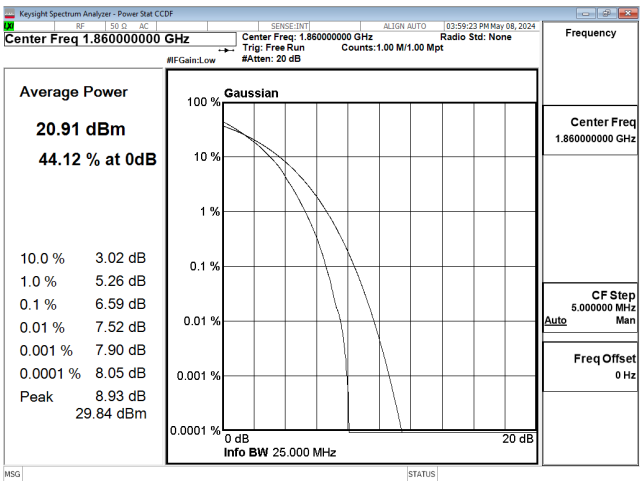
PTAR n2 20M CH372000 BPSK



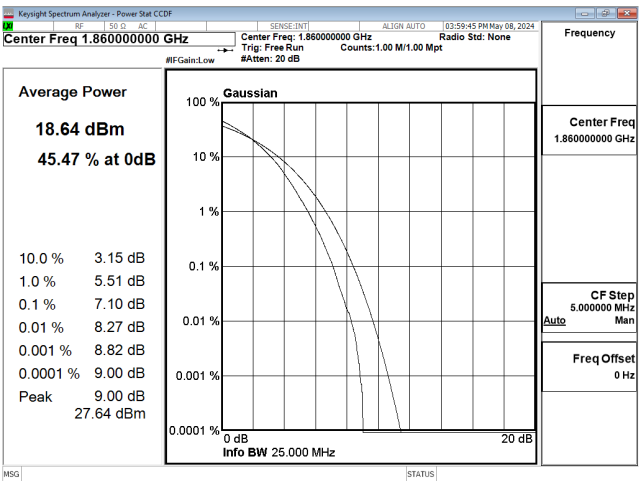
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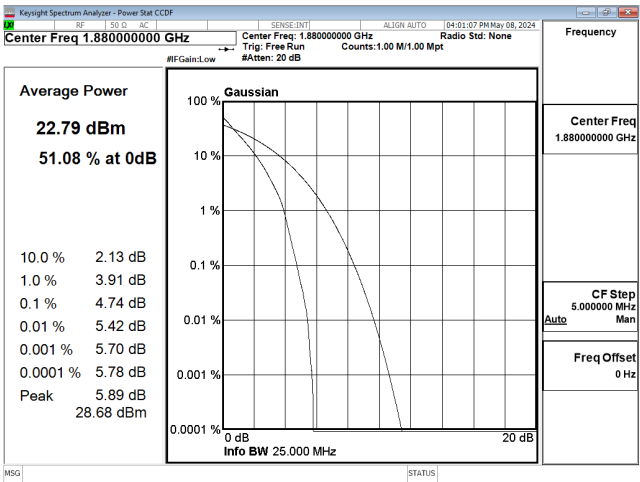
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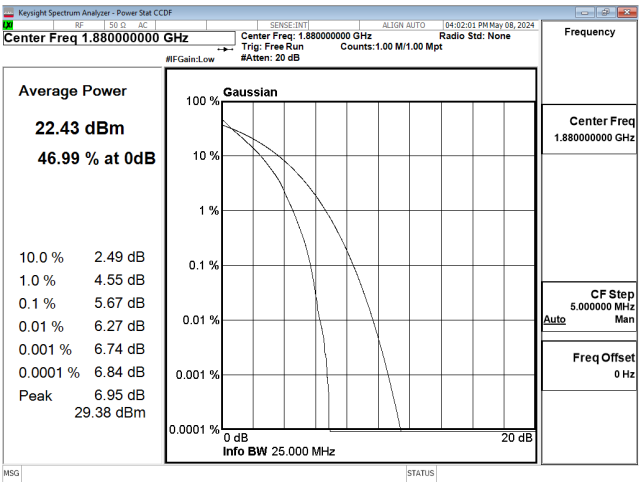
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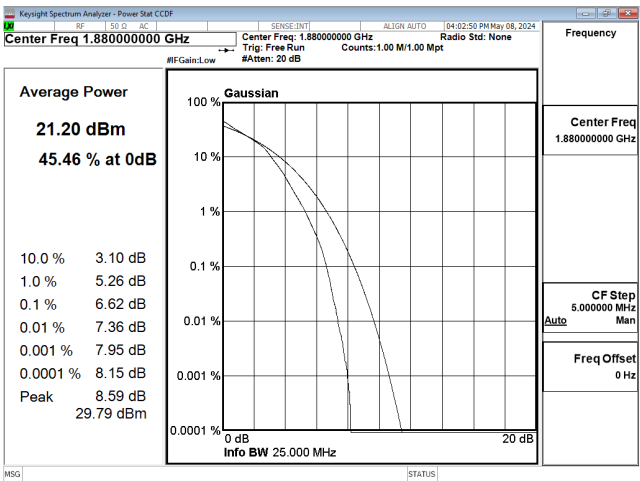
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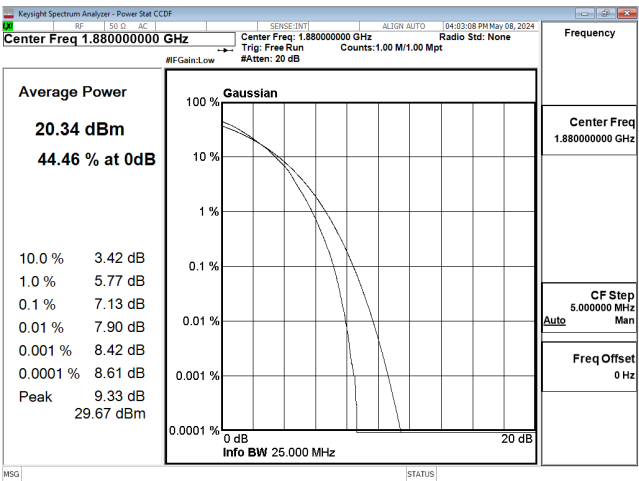
PTAR n2 20M CH376000 BPSK



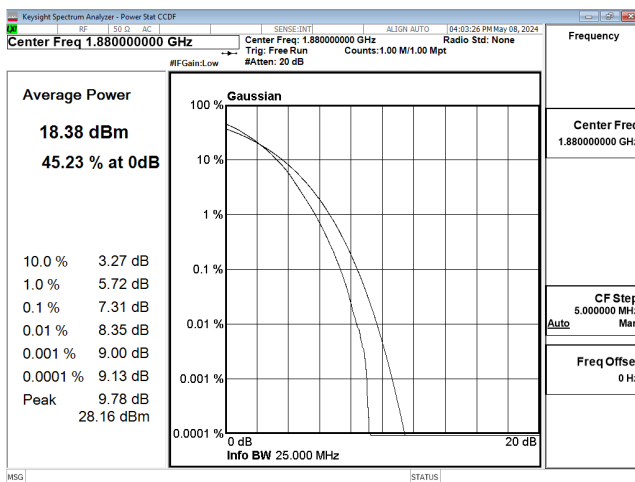
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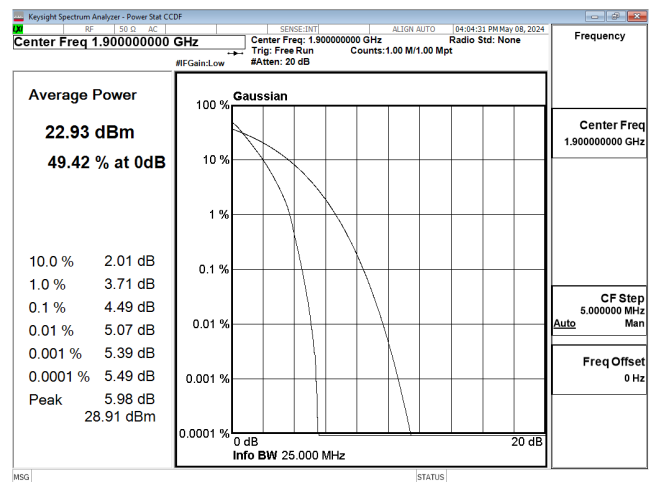
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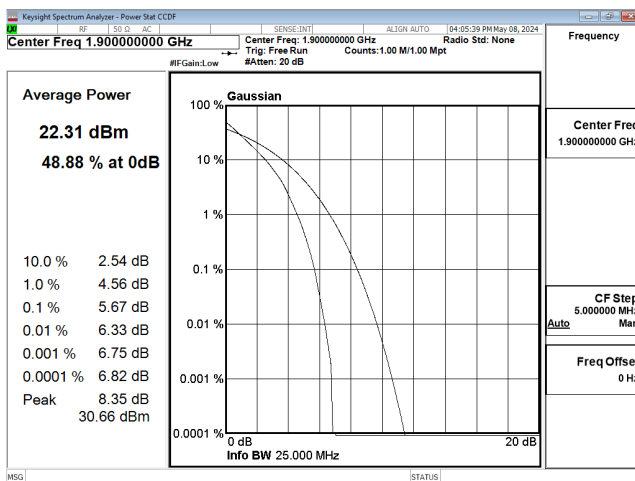
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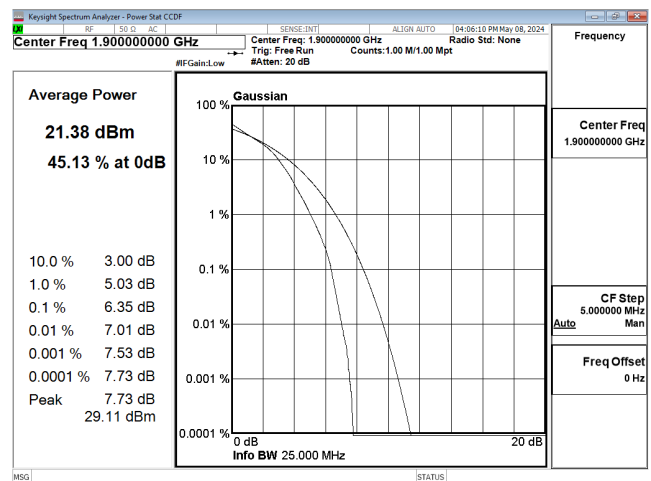
PTAR n2 20M CH376000 256QAM



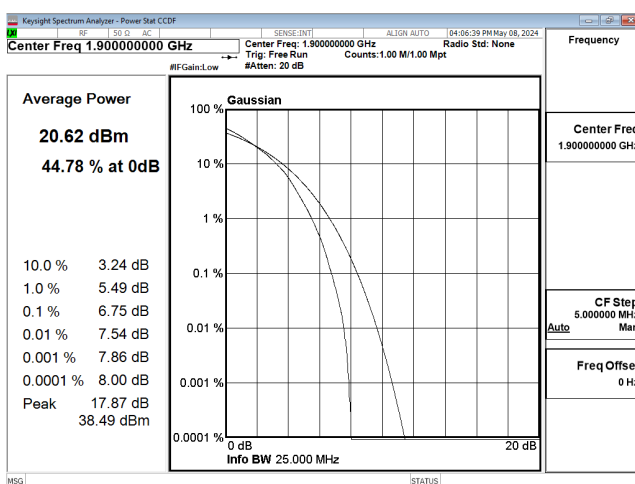
PTAR n2 20M CH380000 BPSK



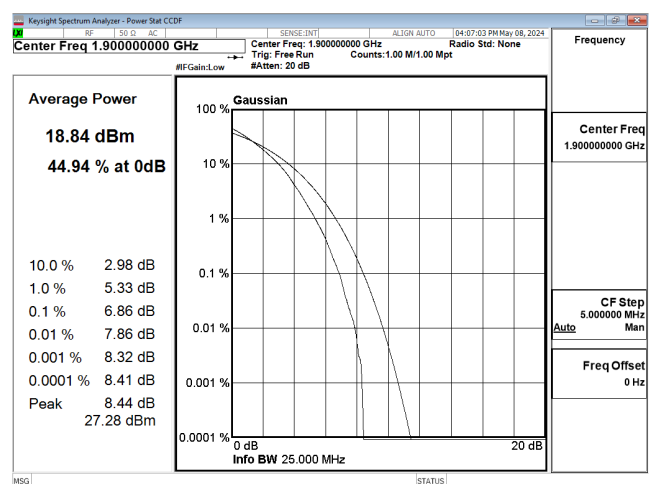
PTAR n2 20M CH380000 QPSK



PTAR n2 20M CH380000 16QAM

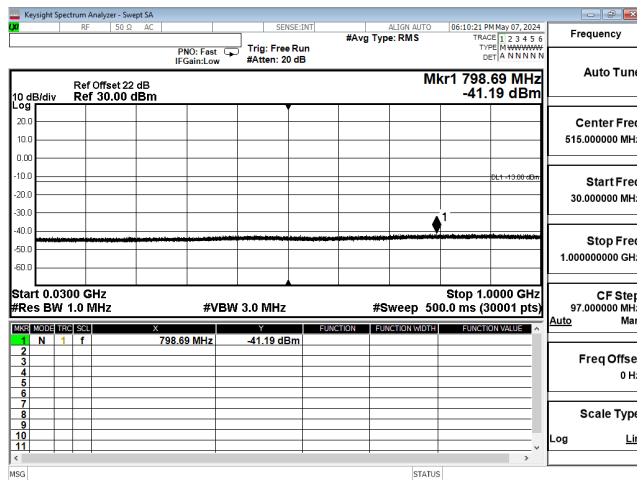


PTAR n2 20M CH380000 64QAM

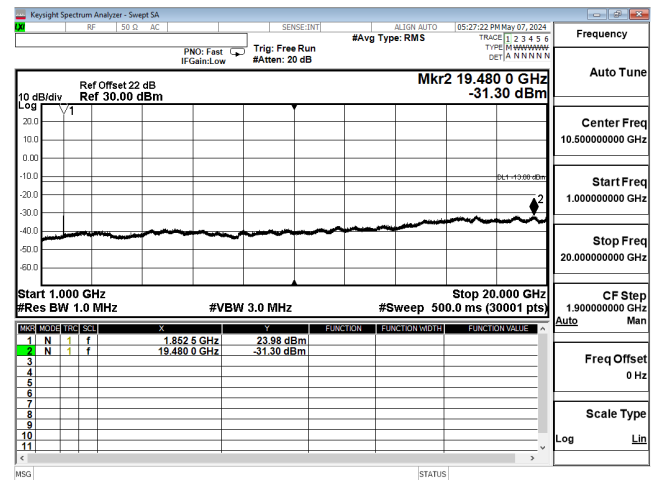


PTAR n2 20M CH380000 256QAM

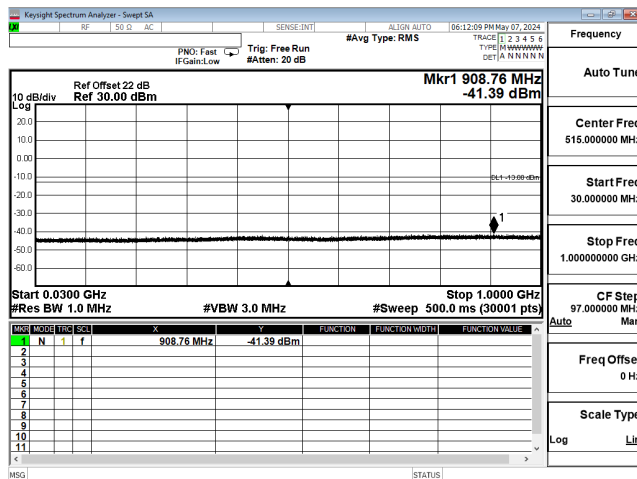
Appendix D.1 Test Result of Conducted Spurious Emission



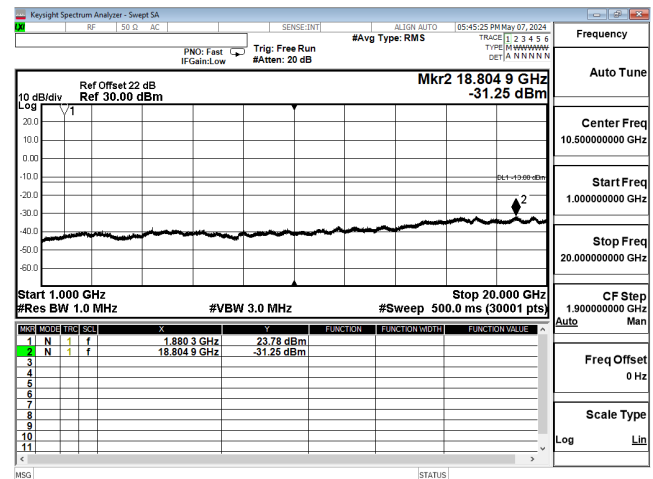
CSE n2 5M CH370500 BPSK(1,13) 30M-1G



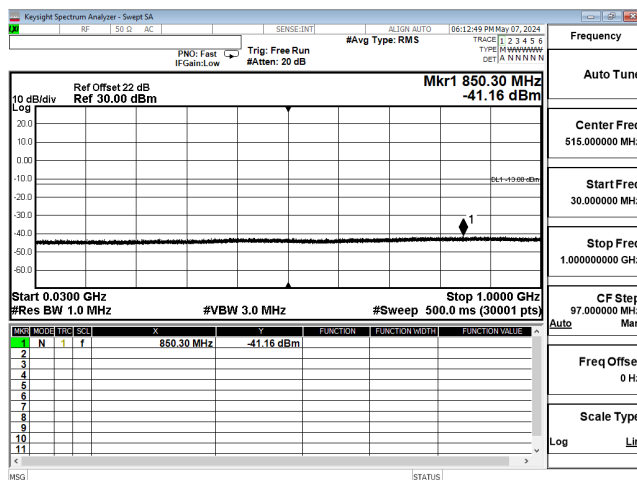
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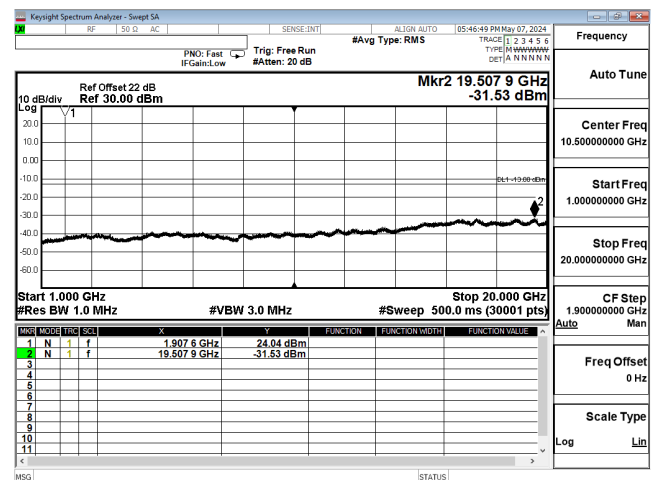
CSE n2 5M CH376000 BPSK(1,13) 30M-1G



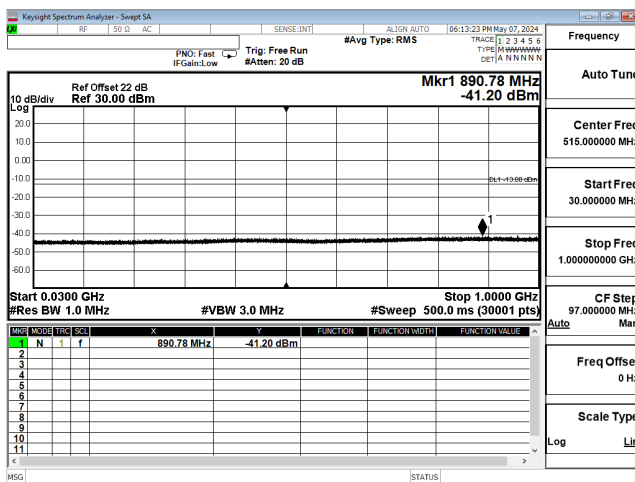
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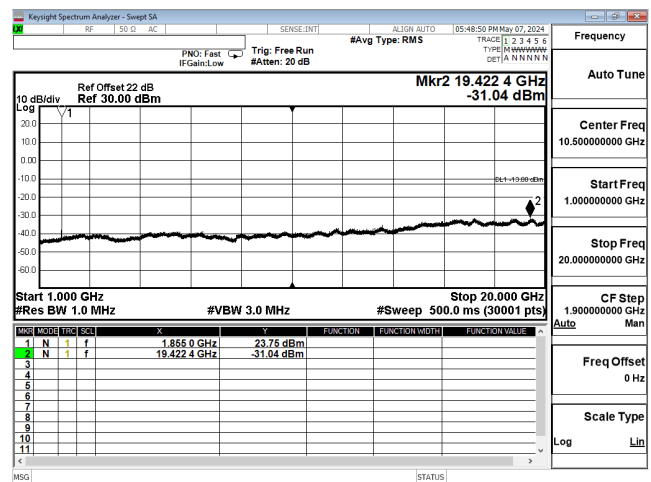
CSE n2 5M CH381500 BPSK(1,13) 30M-1G



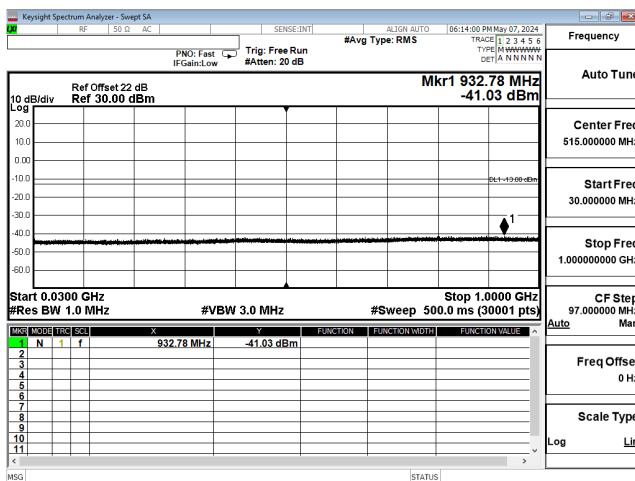
CSE n2 5M CH381500 BPSK(1,13) 1G-20G



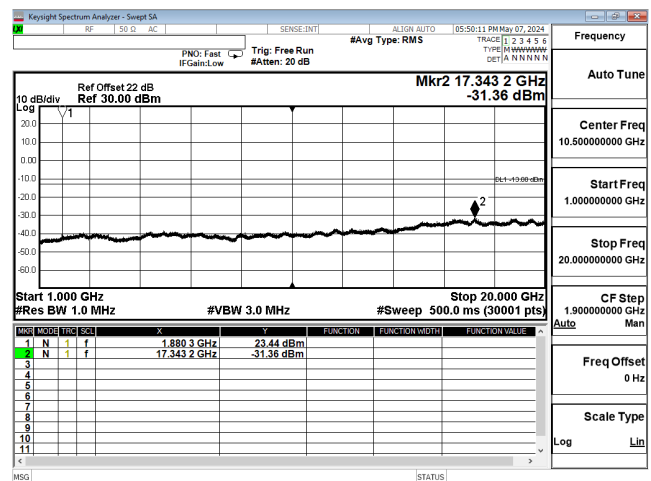
CSE n2 10M CH371000 BPSK(1,26) 30M-1G



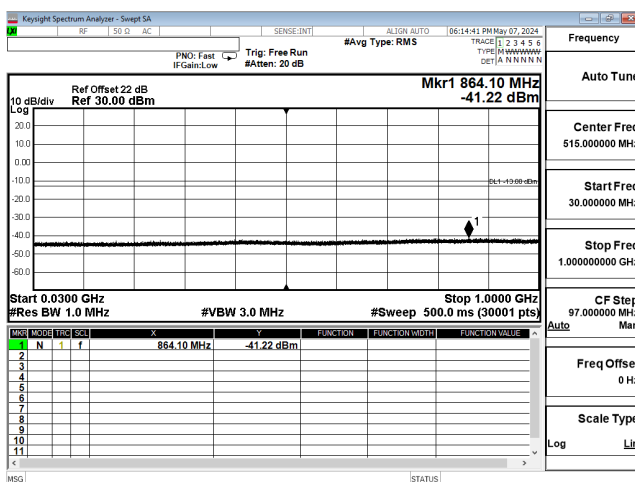
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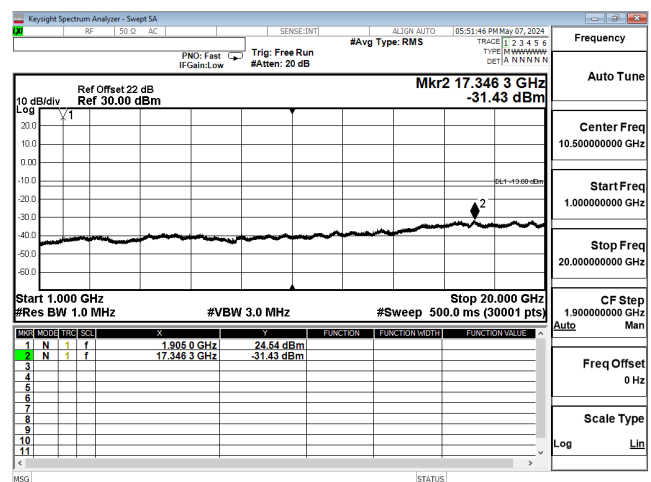
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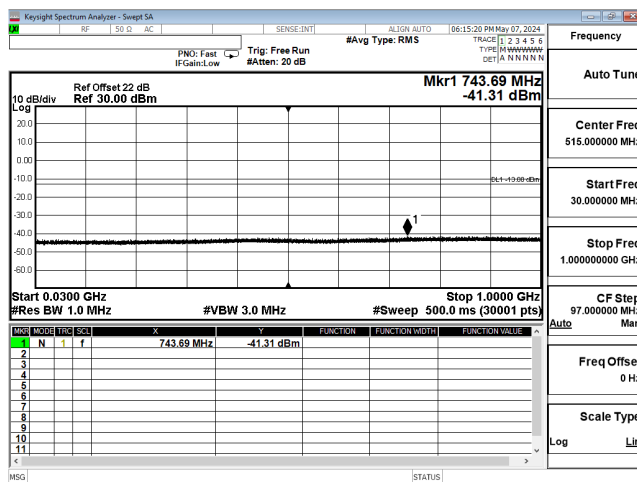
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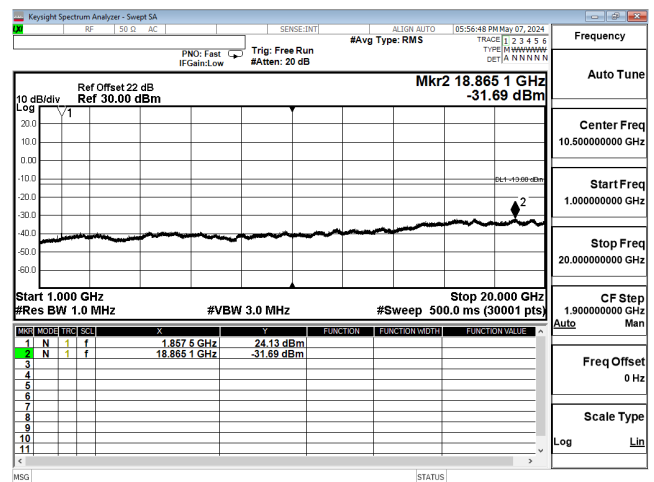
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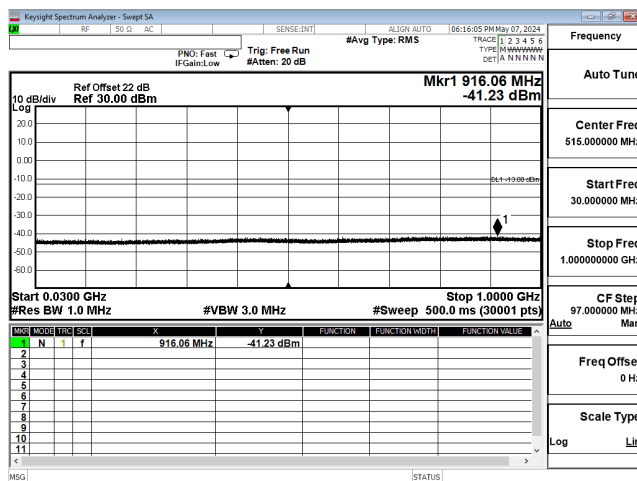
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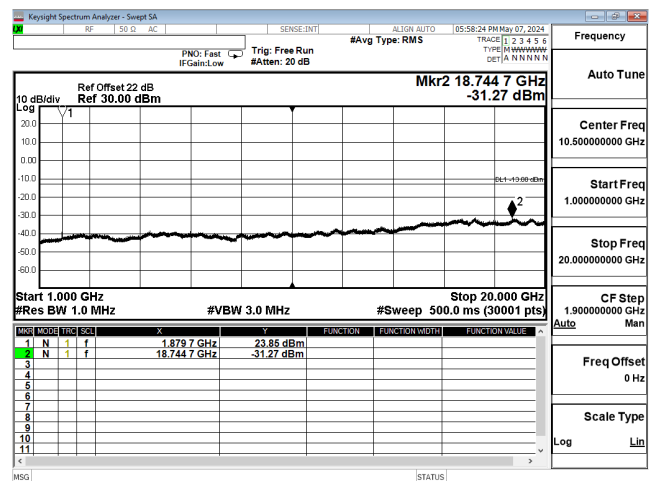
CSE n2 15M CH371500 BPSK(1,39) 30M-1G



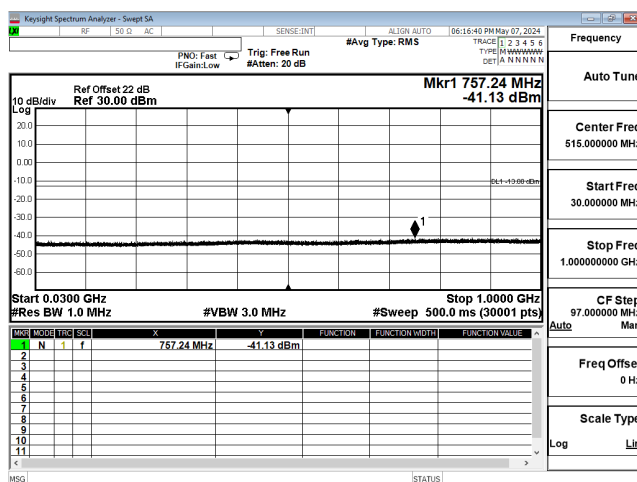
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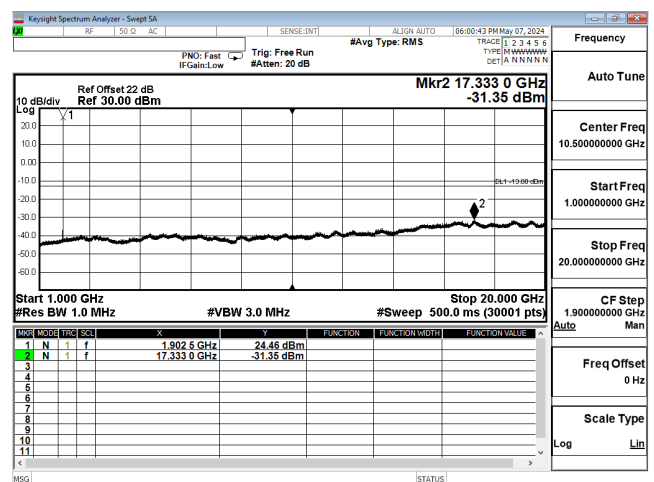
CSE n2 15M CH376000 BPSK(1,39) 30M-1G



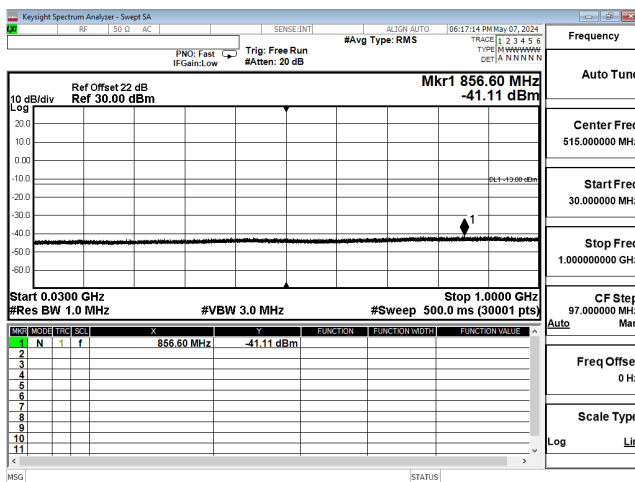
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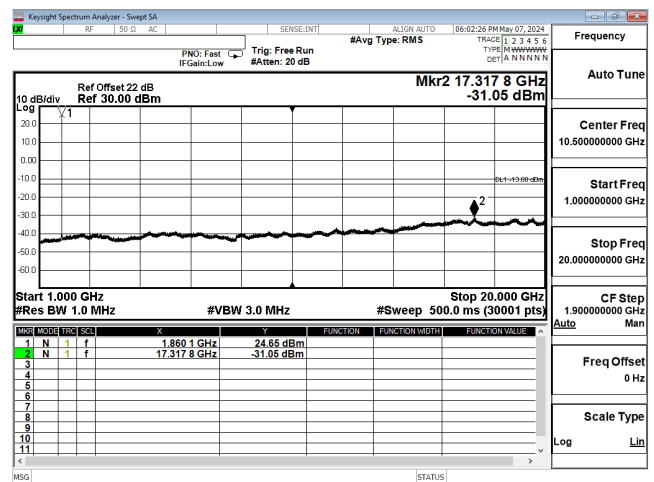
CSE n2 15M CH380500 BPSK(1,39) 30M-1G



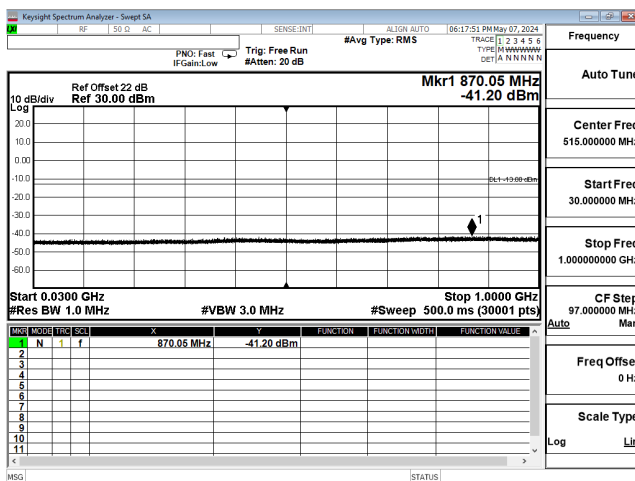
CSE n2 15M CH380500 BPSK(1,39) 1G-20G



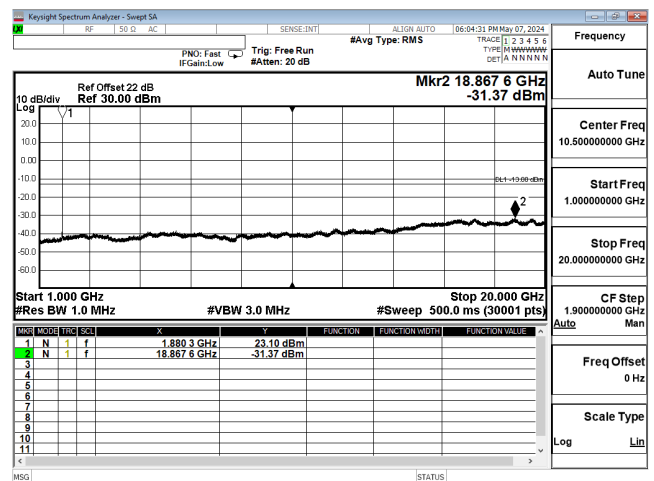
CSE n2 20M CH372000 BPSK(1,53) 30M-1G



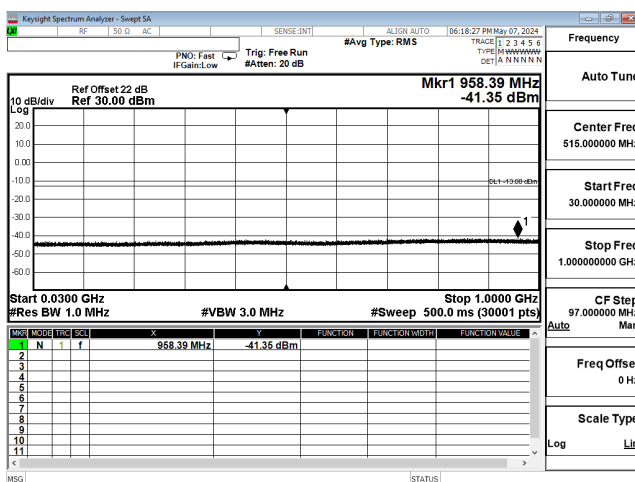
CSE n2 20M CH372000 BPSK(1,53) 1G-20G



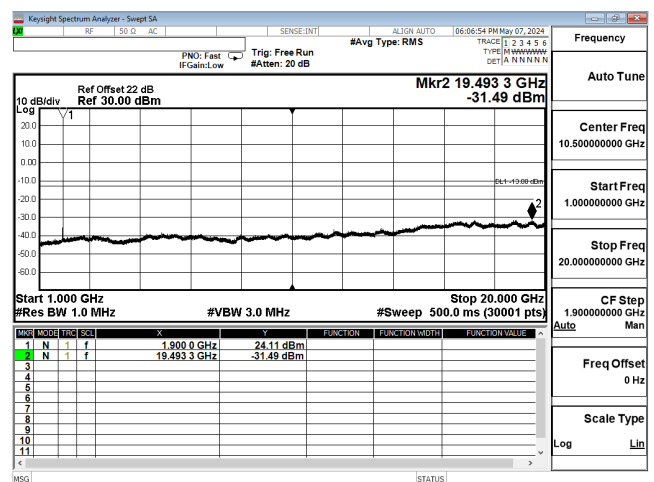
CSE n2 20M CH376000 BPSK(1,53) 30M-1G



CSE n2 20M CH376000 BPSK(1,53) 1G-20G



CSE n2 20M CH380000 BPSK(1,53) 30M-1G

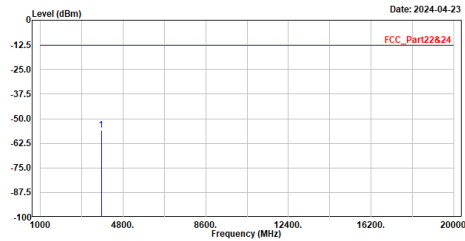


CSE n2 20M CH380000 BPSK(1,53) 1G-20G

Appendix D.2 Test Result of Radiated Spurious Emission

<

Site :HY-CB01
Condition :3m Horizontal
Mode :5GMR_N2_20M_IRB MID_CH380000
Test BY :Caster

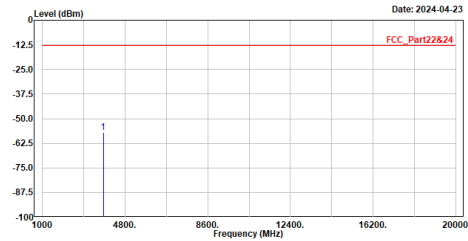


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB/m	
1	3800.000	-56.02	-13.00	-43.02	-52.26	-3.76	Peak

Note:

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

Site :HY-CB01
Condition :3m VERTICAL
Mode :5GMR_N2_20M_IRB MID_CH380000
Test BY :Caster

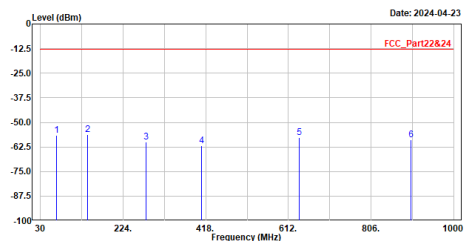


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB/m	
1	3800.000	-56.82	-13.00	-43.82	-53.06	-3.76	Peak

Note:

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

Site :HY-CB01
Condition :3m Horizontal
Mode :5GMR_N2_20M_IRB MID_CH372000
Test BY :Caster

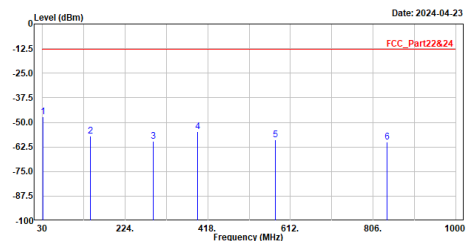


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB/m	
1	68.315	-56.45	-13.00	-43.45	-42.29	-14.16	Peak
2	140.871	-56.40	-13.00	-43.40	-43.95	-12.45	Peak
3	277.447	-60.09	-13.00	-47.09	-48.30	-11.79	Peak
4	408.658	-61.83	-13.00	-48.83	-53.65	-8.18	Peak
5	637.511	-57.59	-13.00	-44.59	-54.43	-3.16	Peak
6	899.217	-58.88	-13.00	-45.88	-59.18	0.30	Peak

Note:

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

Site :HY-CB01
Condition :3m VERTICAL
Mode :5GMR_N2_20M_IRB MID_CH372000
Test BY :Caster

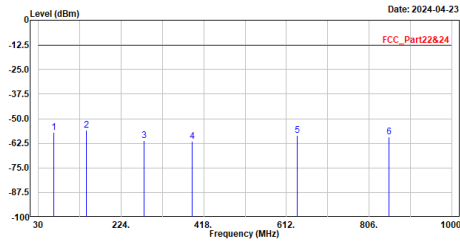


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB/m	
1	30.970	-47.21	-13.00	-34.21	-33.74	-13.47	Peak
2	142.229	-56.81	-13.00	-43.81	-44.48	-12.33	Peak
3	289.960	-59.63	-13.00	-46.63	-48.20	-11.43	Peak
4	393.653	-54.67	-13.00	-41.67	-46.13	-8.54	Peak
5	576.498	-58.98	-13.00	-45.98	-54.62	-4.36	Peak
6	838.689	-60.08	-13.00	-47.08	-59.72	-0.36	Peak

Note:

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

Site :HY-CB01
Condition :3m Horizontal
Mode :5GMR_N2_20M_1RB MID_CH376000
Test BY :Caster

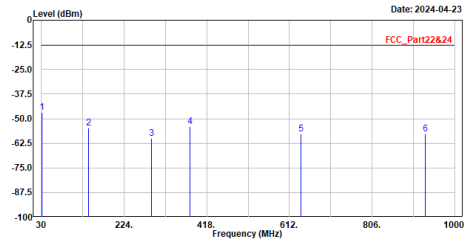


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB/m	
1	66.666	-56.91	-13.00	-43.91	-42.86	-14.05	Peak
2	142.132	-55.78	-13.00	-42.78	-43.45	-12.33	Peak
3	278.514	-61.21	-13.00	-48.21	-49.47	-11.74	Peak
4	391.616	-61.50	-13.00	-48.50	-52.91	-8.59	Peak
5	637.414	-58.32	-13.00	-45.32	-55.16	-3.16	Peak
6	852.754	-59.33	-13.00	-46.33	-59.23	-0.10	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-CB01
Condition :3m Vertical
Mode :5GMR_N2_20M_1RB MID_CH376000
Test BY :Caster

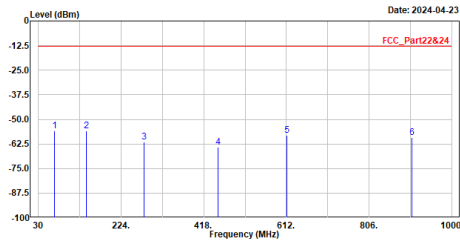


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB/m	
1	30.873	-46.74	-13.00	-33.74	-33.27	-13.47	Peak
2	141.162	-54.90	-13.00	-41.90	-42.48	-12.42	Peak
3	288.311	-60.01	-13.00	-47.01	-48.58	-11.43	Peak
4	379.491	-54.10	-13.00	-41.10	-45.24	-8.86	Peak
5	639.742	-57.68	-13.00	-44.68	-54.52	-3.16	Peak
6	930.548	-57.92	-13.00	-44.92	-58.81	0.89	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-CB01
Condition :3m Horizontal
Mode :5GMR_N2_20M_1RB MID_CH380000
Test BY :Caster

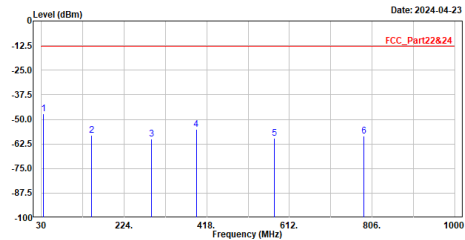


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB/m	
1	68.412	-55.95	-13.00	-42.95	-41.72	-14.23	Peak
2	142.811	-55.69	-13.00	-42.69	-43.36	-12.33	Peak
3	277.932	-61.55	-13.00	-48.55	-49.78	-11.77	Peak
4	452.435	-63.97	-13.00	-50.97	-57.06	-6.91	Peak
5	612.679	-57.95	-13.00	-44.95	-54.39	-3.56	Peak
6	907.074	-59.24	-13.00	-46.24	-59.69	0.45	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-CB01
Condition :3m Vertical
Mode :5GMR_N2_20M_1RB MID_CH380000
Test BY :Caster

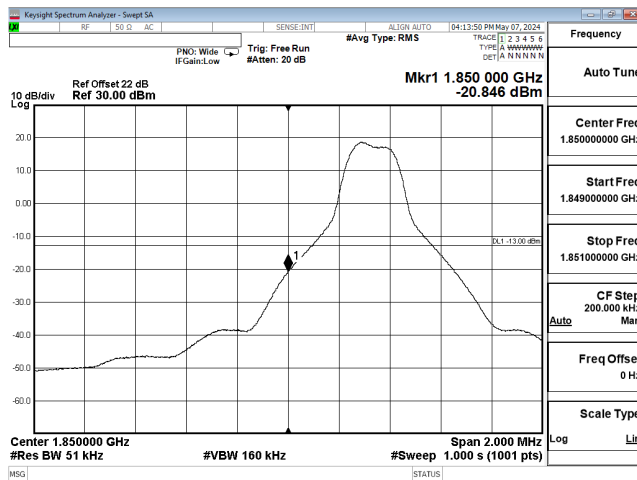


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	Line	Limit	Level	dB/m	
1	34.850	-47.20	-13.00	-34.20	-34.21	-12.99	Peak
2	148.631	-57.98	-13.00	-44.98	-45.86	-12.12	Peak
3	288.408	-60.05	-13.00	-47.05	-48.62	-11.43	Peak
4	393.459	-55.13	-13.00	-42.13	-46.50	-8.55	Peak
5	576.207	-59.49	-13.00	-46.49	-55.12	-4.37	Peak
6	786.794	-58.56	-13.00	-45.56	-57.76	-0.80	Peak

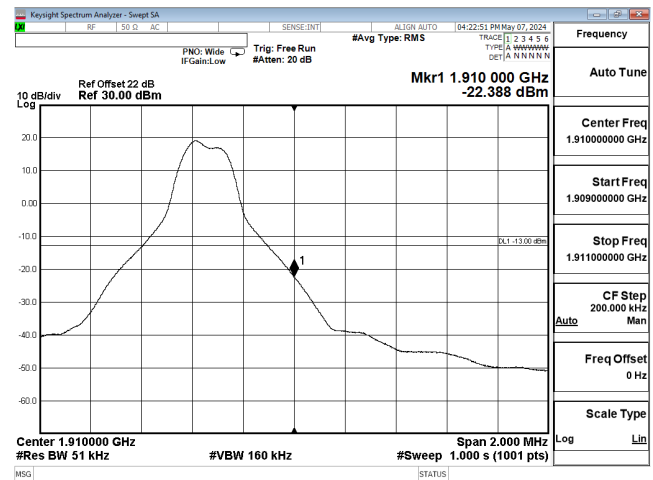
Note:

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.

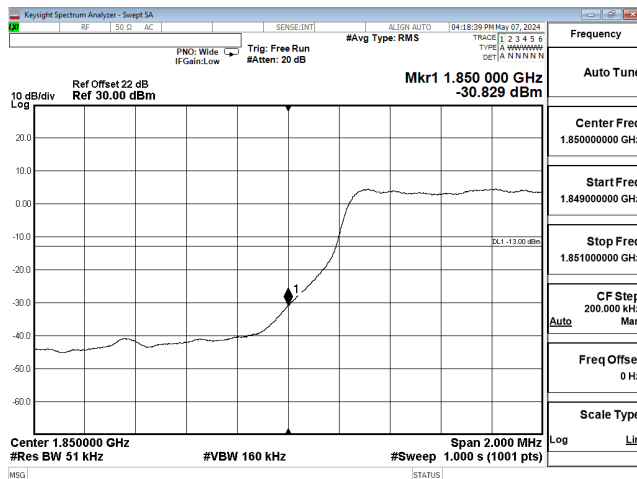
Appendix E. Test Result of Conducted Band Edge



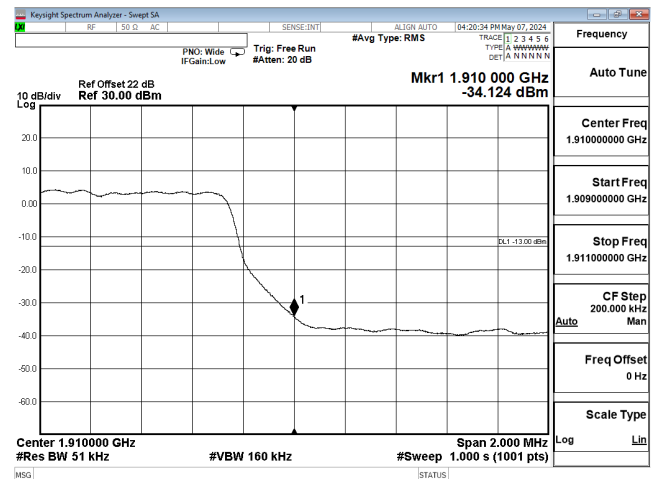
Bandedge n2 5M CH370500 BPSK(1,0)



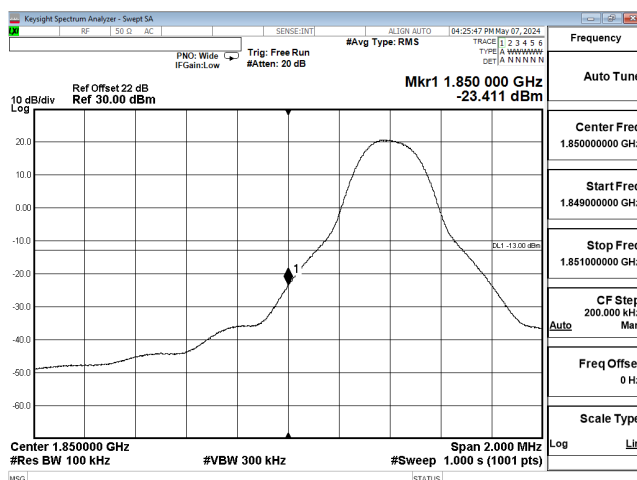
Bandedge n2 5M CH381500 BPSK(1,24)



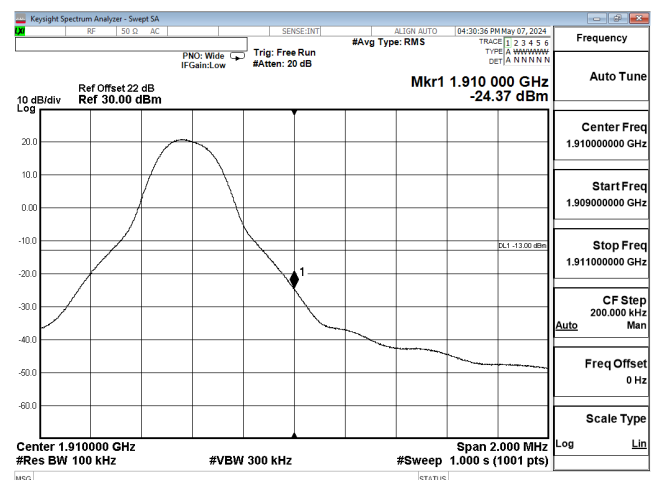
Bandedge n2 5M CH370500 BPSK(25,0)



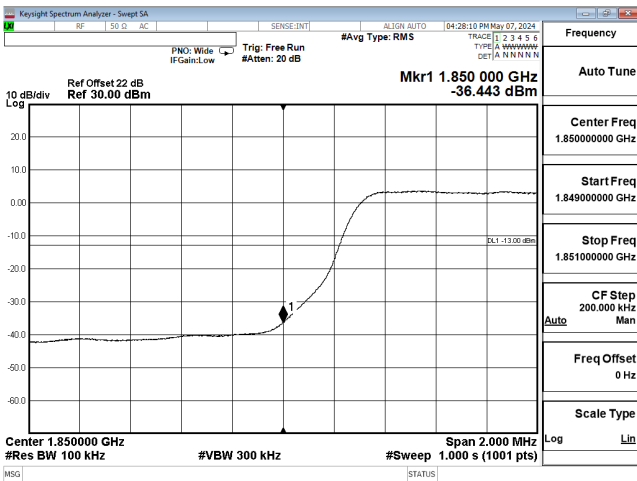
Bandedge n2 5M CH381500 BPSK(25,0)



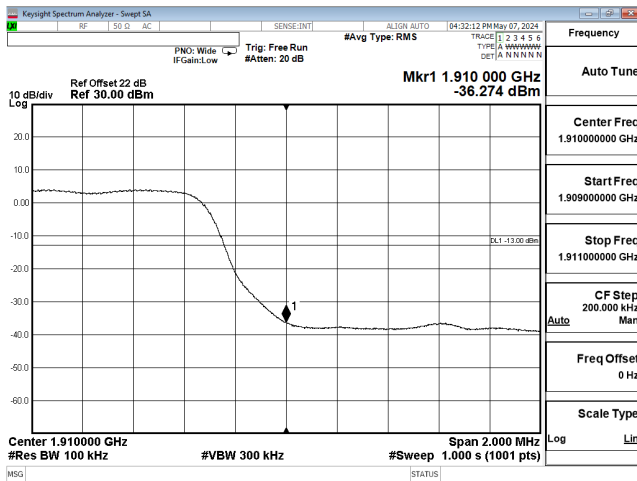
Bandedge n2 10M CH371000 BPSK(1,0)



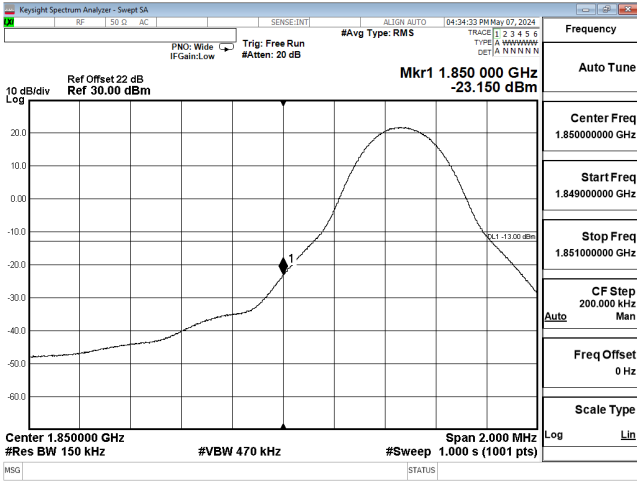
Bandedge n2 10M CH381000 BPSK(1,51)



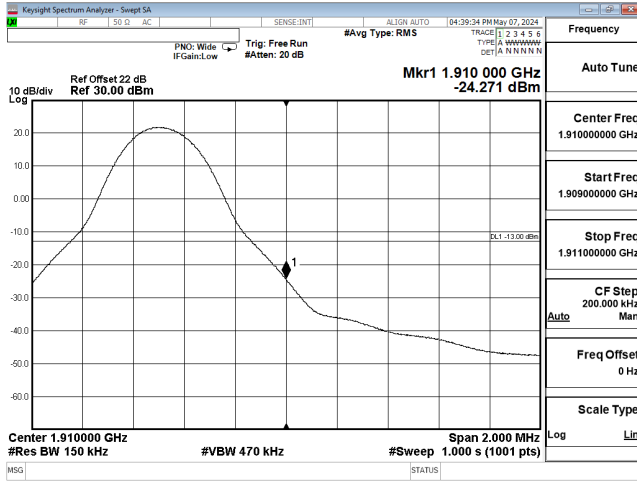
Bandedge n2 10M CH371000 BPSK(50,0)



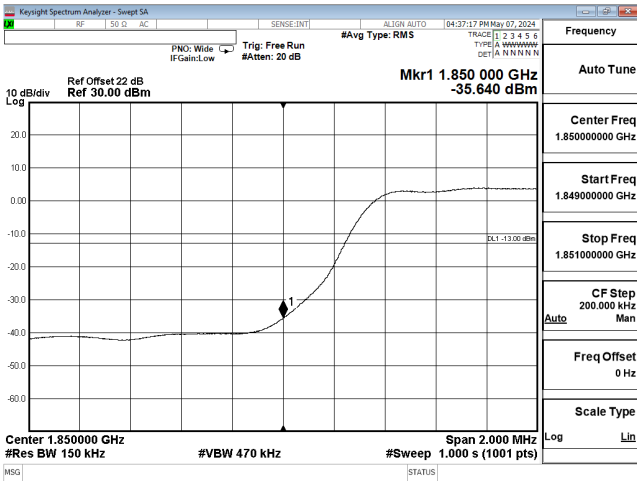
Bandedge n2 10M CH381000 BPSK(50,2)



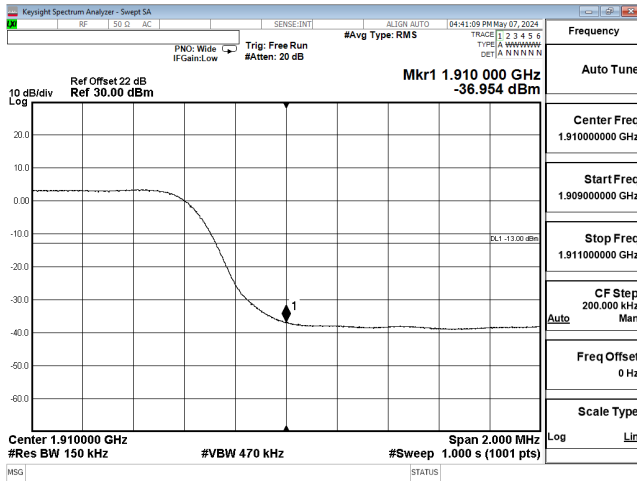
Bandedge n2 15M CH371500 BPSK(1,0)



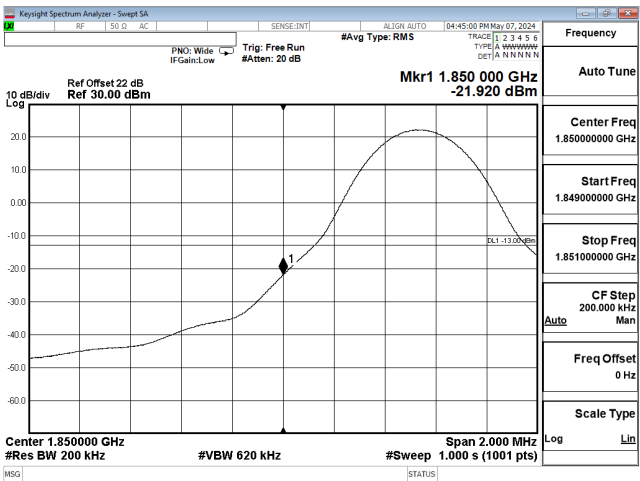
Bandedge n2 15M CH380500 BPSK(1,78)



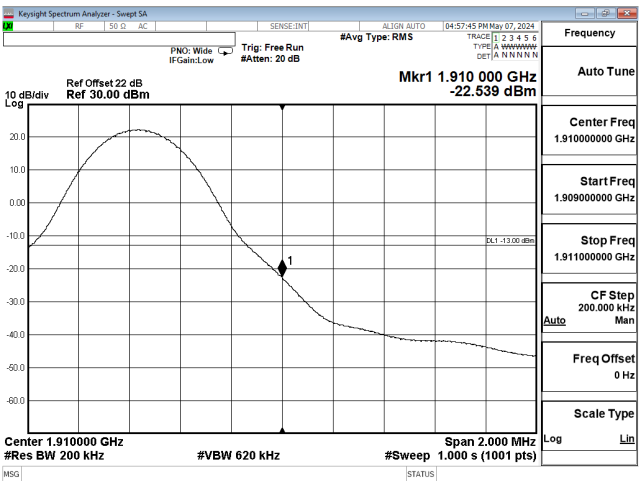
Bandedge n2 15M CH371500 BPSK(75,0)



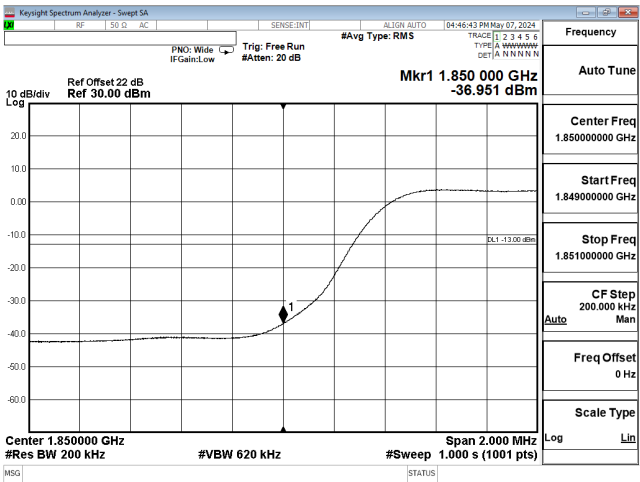
Bandedge n2 15M CH380500 BPSK(75,4)



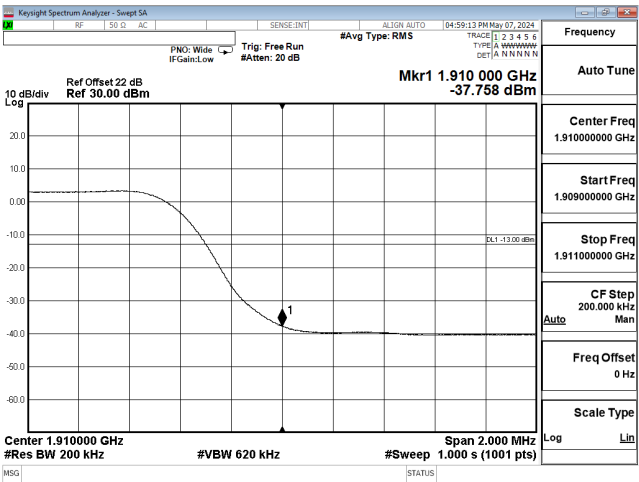
Bandedge n2 20M CH372000 BPSK(1,0)



Bandedge n2 20M CH380000 BPSK(1,105)



Bandedge n2 20M CH372000 BPSK(100,0)



Bandedge n2 20M CH380000 BPSK(100,6)

Appendix F. Test Result of Frequency Stability

Temperature Interval (°C)	Test Channel	Deviation (Hz)				Deviation (ppm)			
		5M	10M	15M	20M	5M	10M	15M	20M
-30	Low	-7.4	-3.4	-3.3	-7.3	-0.004	-0.002	-0.002	-0.004
-20	Low	-3.8	-5.7	-6.3	-3.4	-0.002	-0.003	-0.003	-0.002
-10	Low	-5.2	-4.8	-3.9	-6.2	-0.003	-0.003	-0.002	-0.003
0	Low	-4.9	-6.1	-5.4	-5.1	-0.003	-0.003	-0.003	-0.003
10	Low	-5.5	-5.3	-4.7	-4.4	-0.003	-0.003	-0.003	-0.002
20	Low	-6.5	-6.0	-9.0	-6.4	-0.004	-0.003	-0.005	-0.003
30	Low	-5.1	-5.6	-3.4	-3.8	-0.003	-0.003	-0.002	-0.002
40	Low	-6.2	-3.9	-4.8	-5.7	-0.003	-0.002	-0.003	-0.003
50	Low	-6.5	-5.9	-5.8	-4.5	-0.004	-0.003	-0.003	-0.002

DC Voltage (V)	Test Channel	Deviation (Hz)				Deviation (ppm)			
		5M	10M	15M	20M	5M	10M	15M	20M
138	Low	-6.1	-5.6	-7.5	-6.7	-0.003	-0.003	-0.004	-0.004
120	Low	-6.5	-6.0	-9.0	-6.4	-0.004	-0.003	-0.005	-0.003
102	Low	-7.3	-7.8	-9.5	-6.5	-0.004	-0.004	-0.005	-0.004

Temperature Interval (°C)	Test Channel	Deviation (Hz)				Deviation (ppm)			
		5M	10M	15M	20M	5M	10M	15M	20M
-30	High	3.0	-6.2	-5.4	-4.3	0.002	-0.003	-0.003	-0.002
-20	High	3.7	3.9	-3.1	-5.6	0.002	0.002	-0.002	-0.003
-10	High	-4.7	4.6	-5.7	6.4	-0.003	0.002	-0.003	0.003
0	High	-5.1	-5.3	6.2	-5.5	-0.003	-0.003	0.003	-0.003
10	High	3.3	-6.5	4.4	-3.9	0.002	-0.004	0.002	-0.002
20	High	-4.9	-5.5	-5.3	-5.8	-0.003	-0.003	-0.003	-0.003
30	High	-6.2	4.3	-4.0	-4.8	-0.003	0.002	-0.002	-0.003
40	High	3.1	-3.2	-4.1	-4.6	0.002	-0.002	-0.002	-0.002
50	High	-6.6	-5.8	4.7	-6.0	-0.004	-0.003	0.003	-0.003

DC Voltage (V)	Test Channel	Deviation (Hz)				Deviation (ppm)			
		5M	10M	15M	20M	5M	10M	15M	20M
138	High	-5.4	-6.4	-6.0	-6.6	-0.003	-0.003	-0.003	-0.004
120	High	-4.9	-5.5	-5.3	-5.8	-0.003	-0.003	-0.003	-0.003
102	High	-5.3	-4.6	6.6	-6.9	-0.003	-0.002	0.004	-0.004