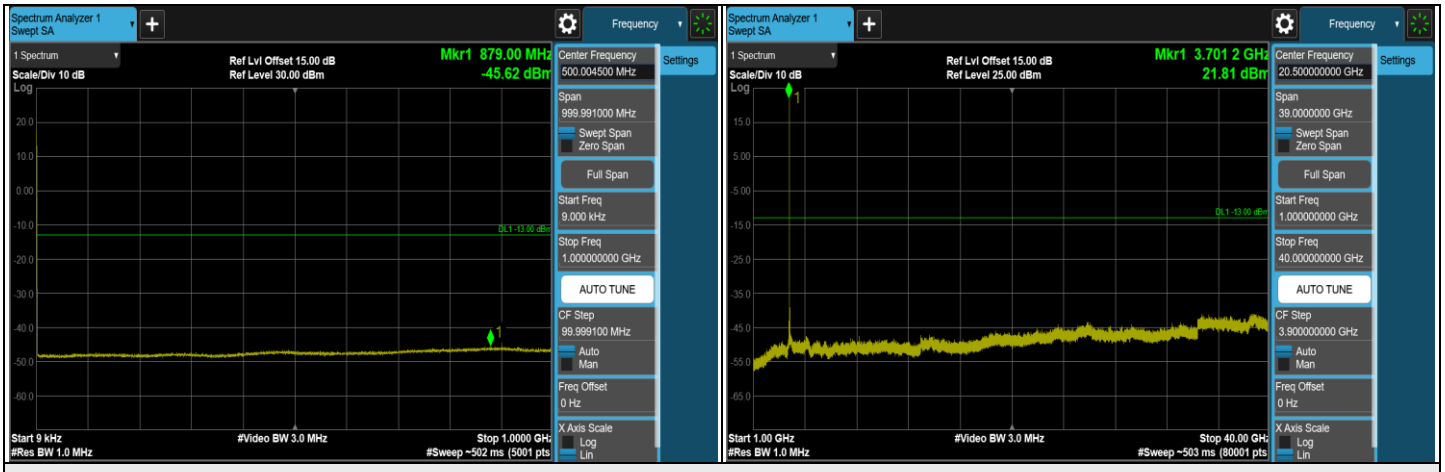
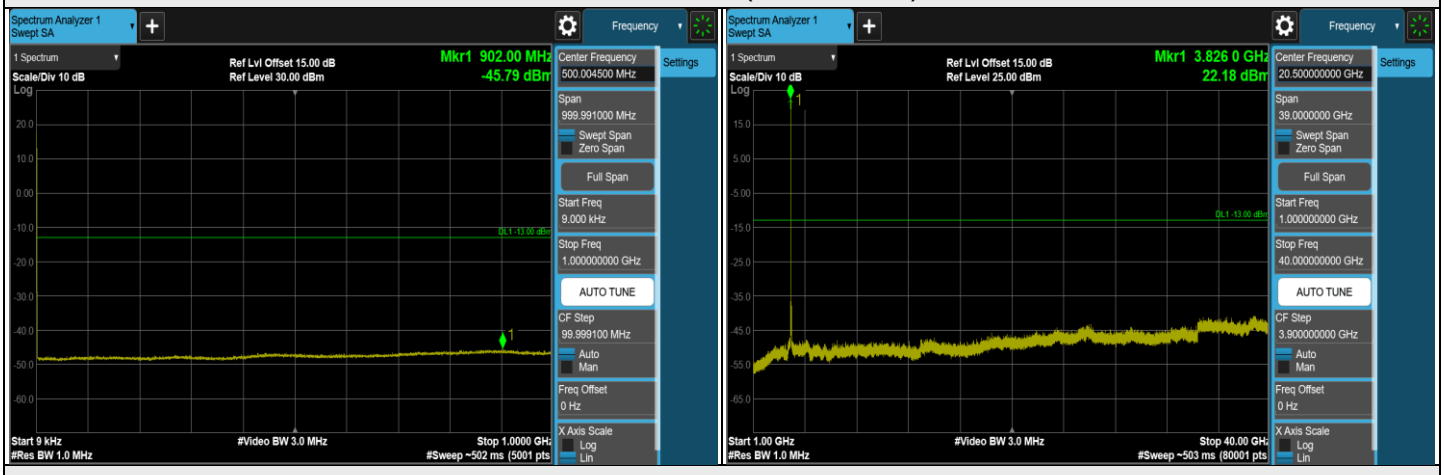
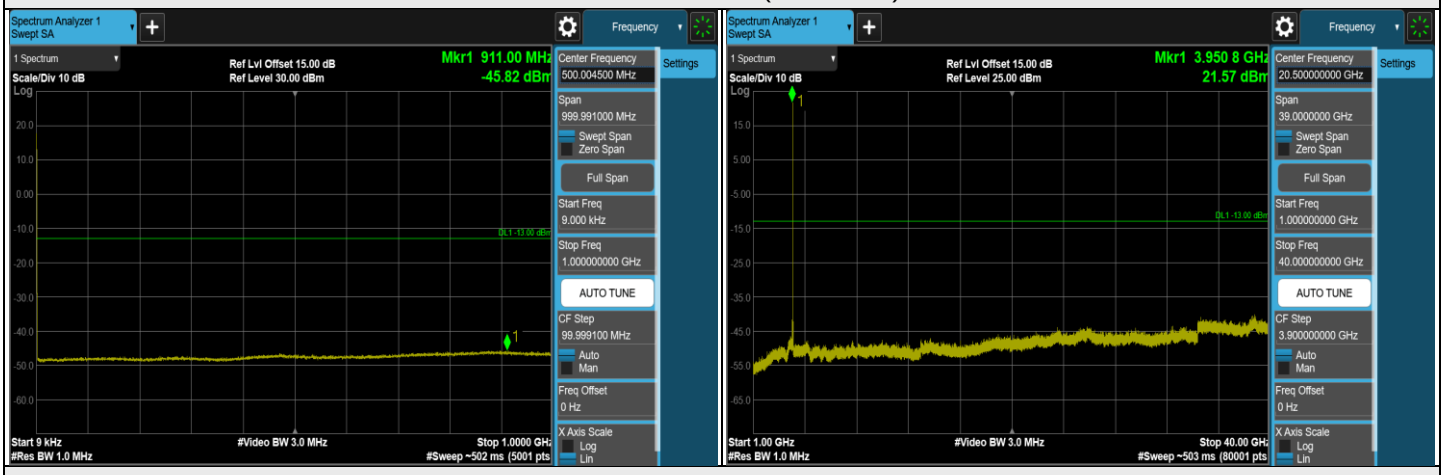
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 30 MHz



BPSK CH 647668 (3715.02 MHz)



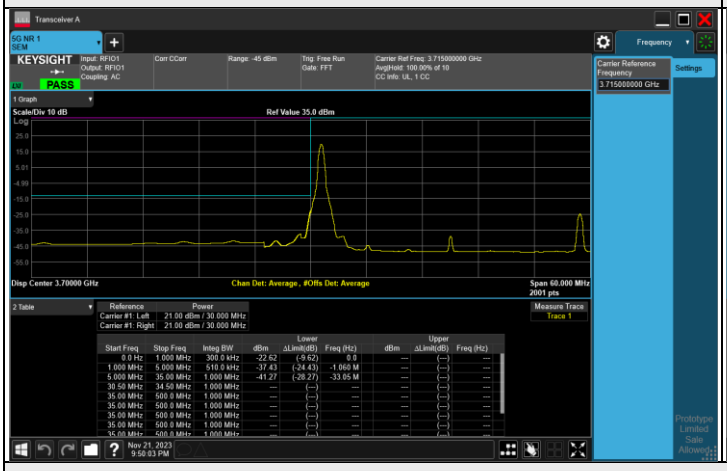
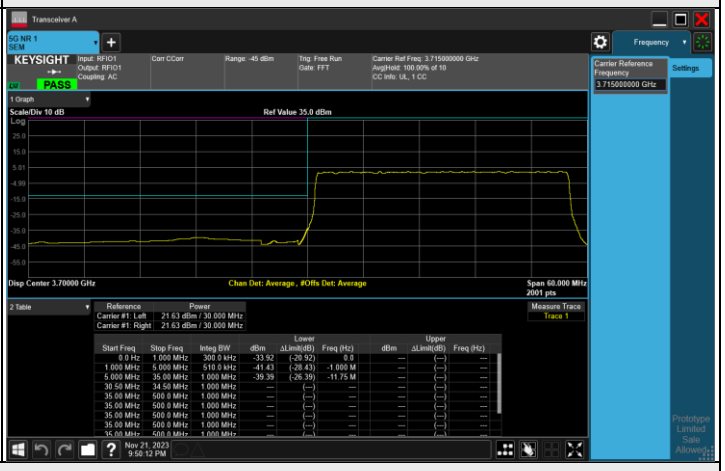
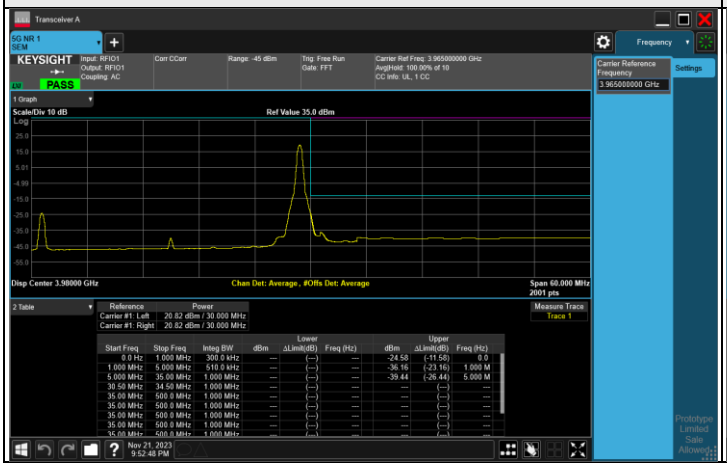
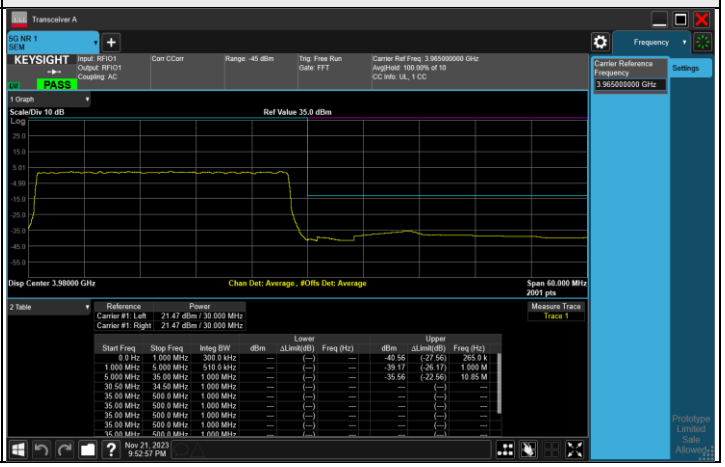
BPSK CH 656000 (3840 MHz)



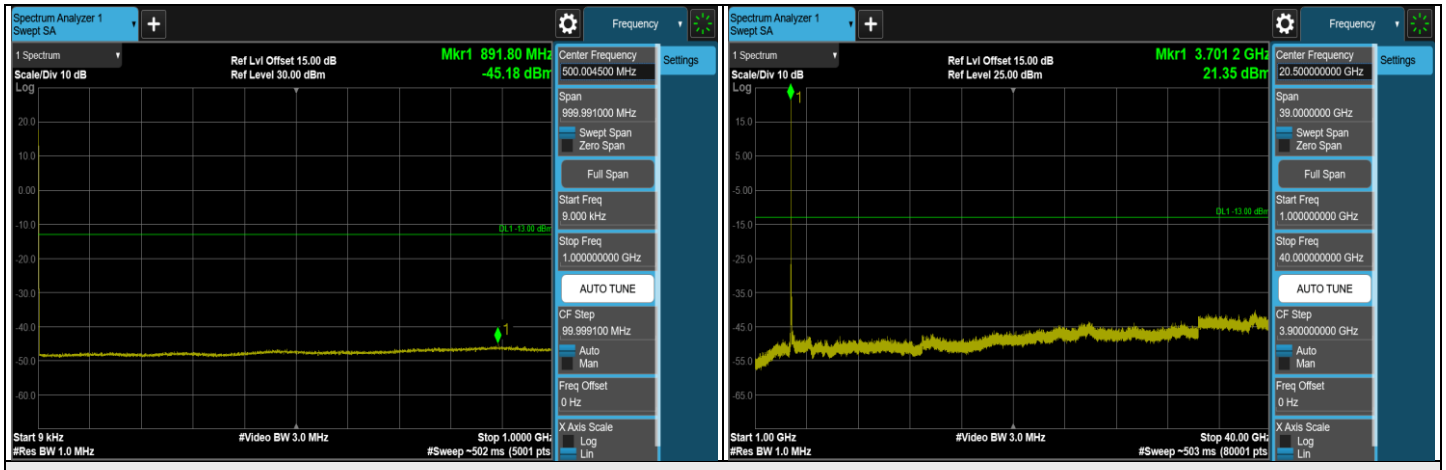
BPSK CH 664332 (3964.98 MHz)

Note: The signal at 9 kHz is IF signal from spectrum analyzer.

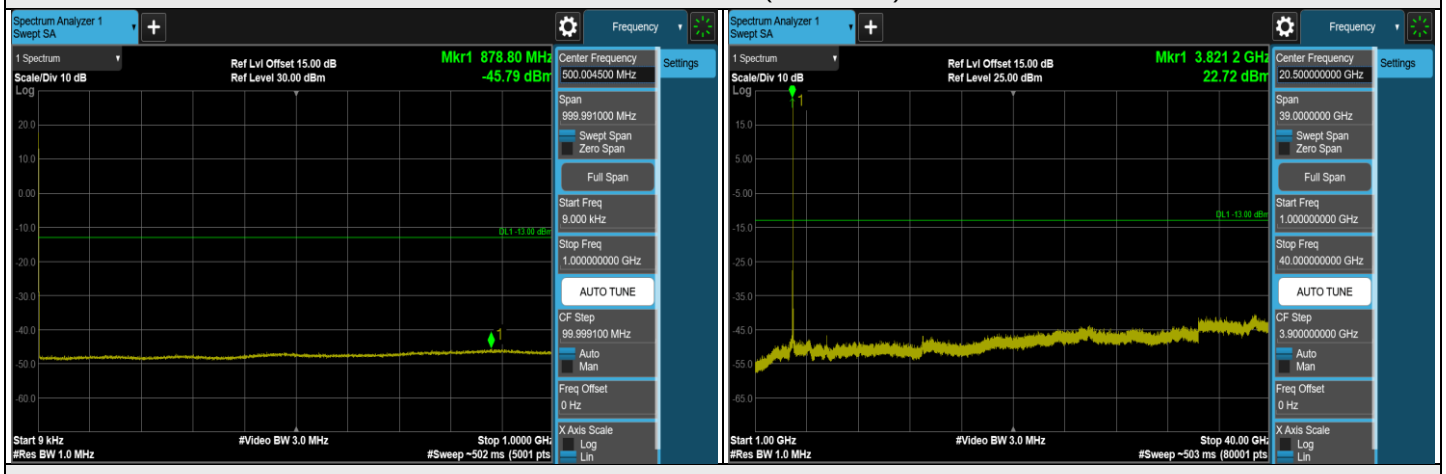
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 30 MHz

Channel 647668(3715.02 MHz)	
1 RB	FULL RB
	
Channel 664332(3964.98 MHz)	
1 RB	FULL RB
	

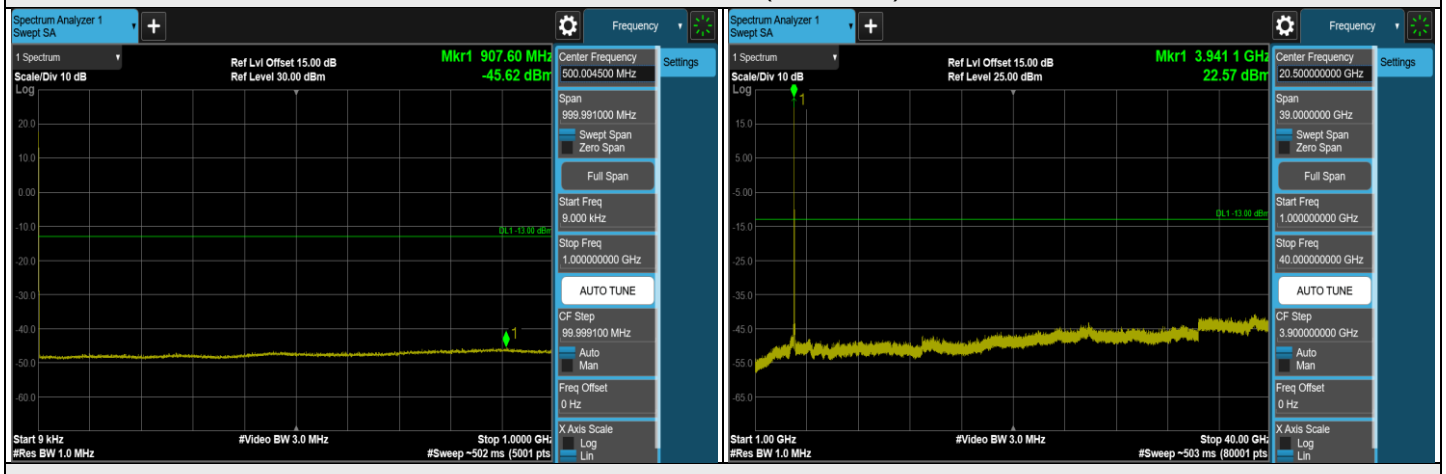
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 40 MHz



BPSK CH 648000 (3720 MHz)



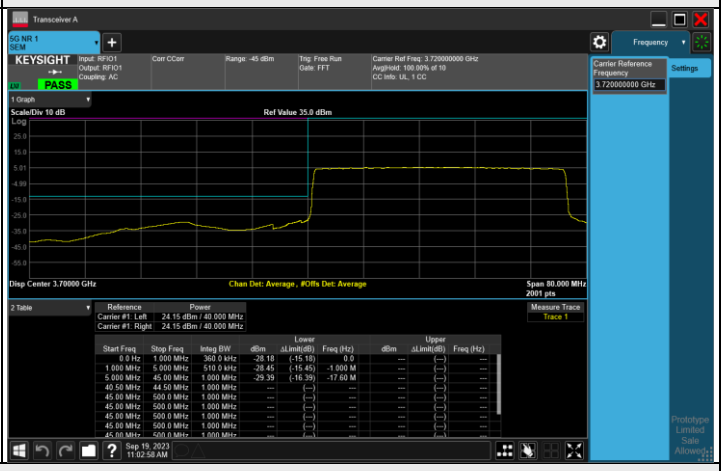
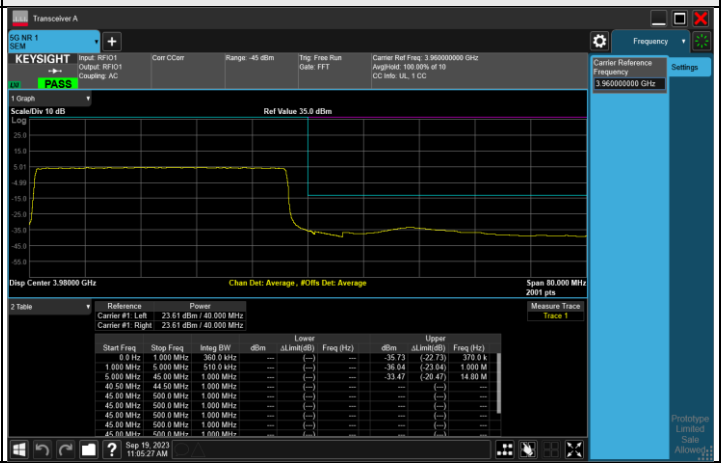
BPSK CH 656000 (3840 MHz)



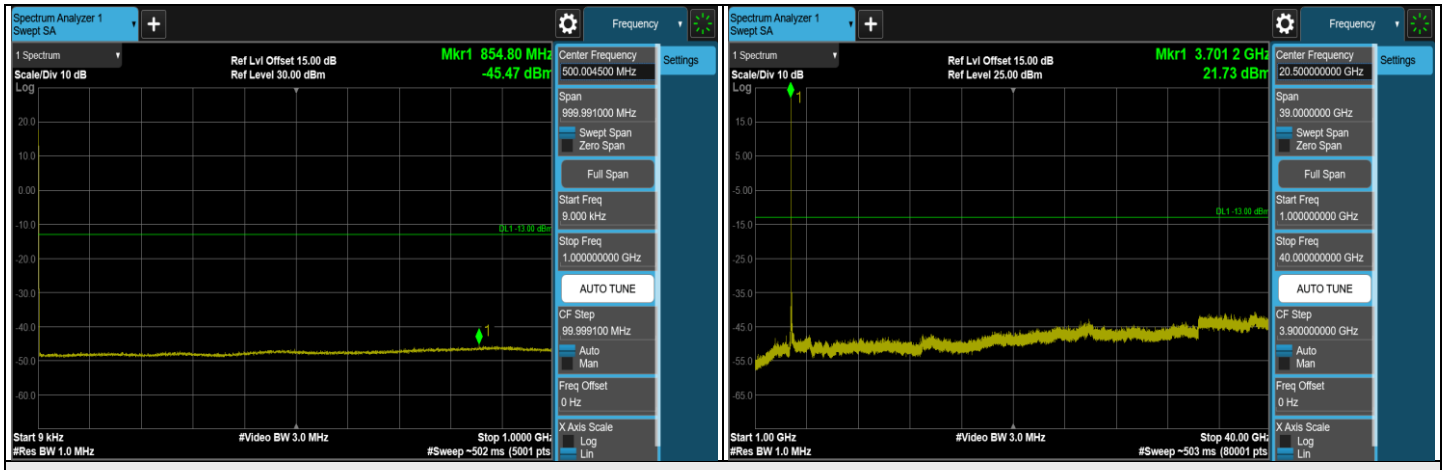
BPSK CH 664000 (3960 MHz)

Note: The signal at 9 kHz is IF signal from spectrum analyzer.

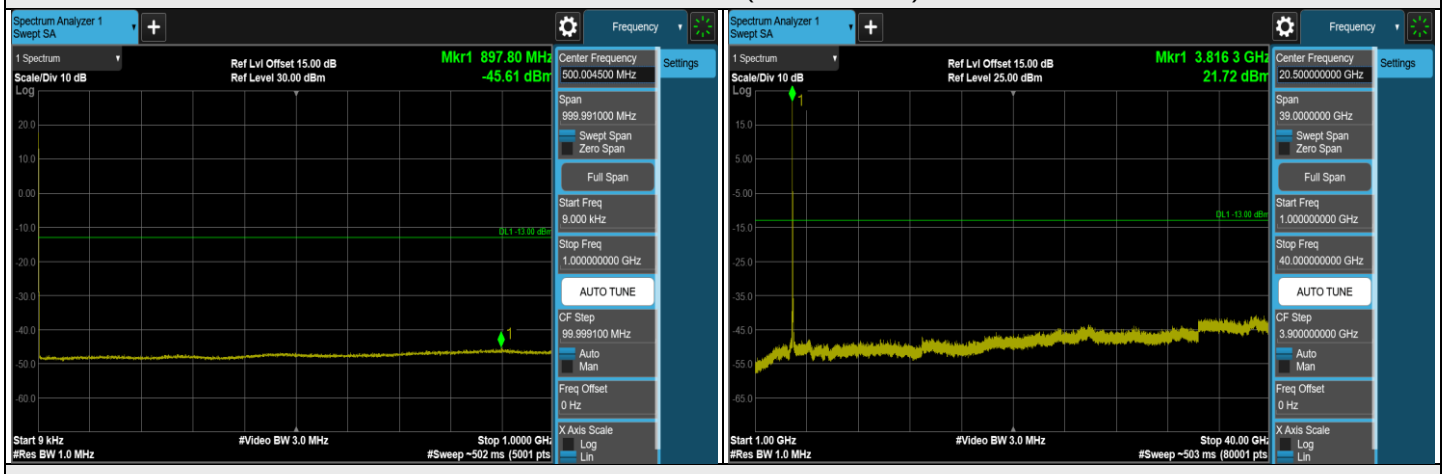
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 40 MHz

Channel 648000(3720 MHz)	
1 RB	FULL RB
	
Channel 664000(3960 MHz)	
1 RB	FULL RB
	

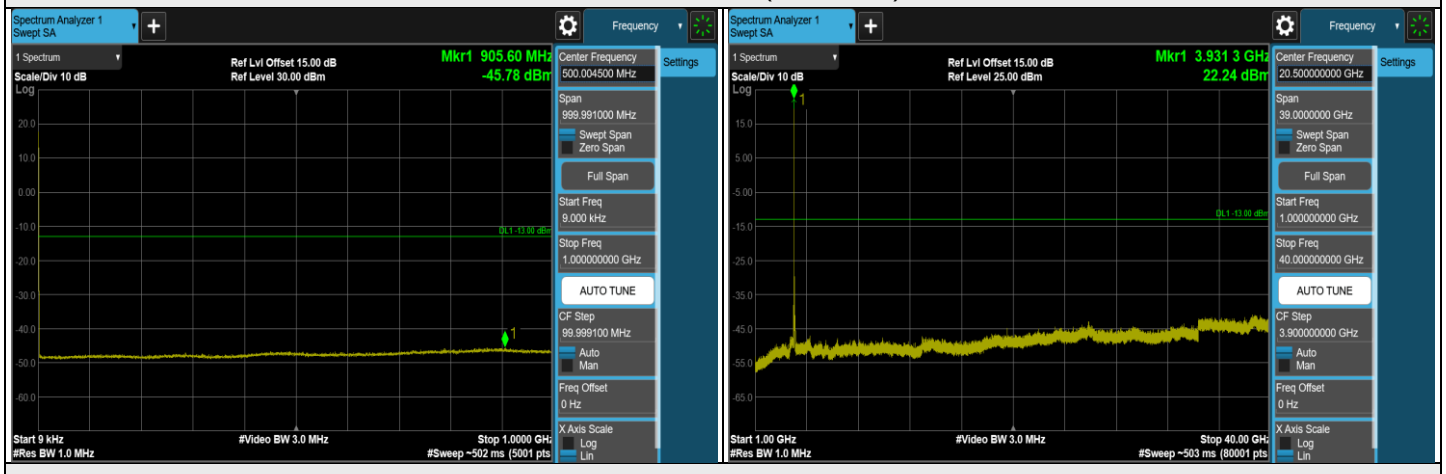
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 50 MHz



BPSK CH 648334 (3725.01 MHz)



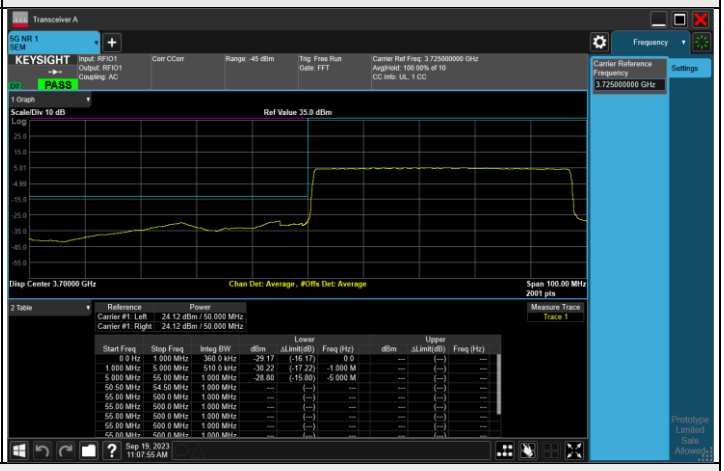
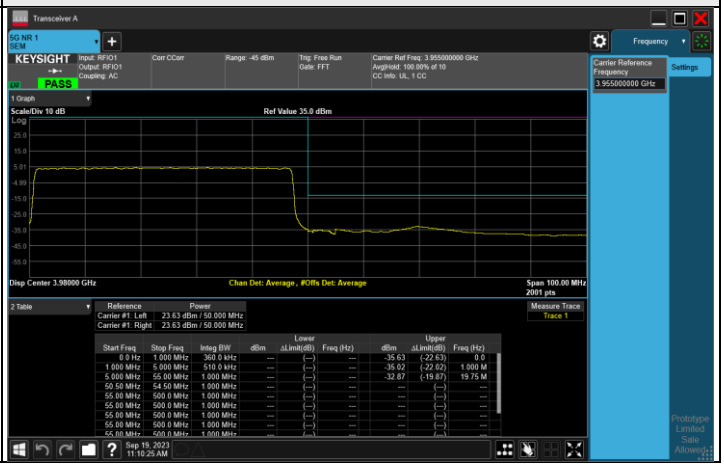
BPSK CH 656000 (3840 MHz)



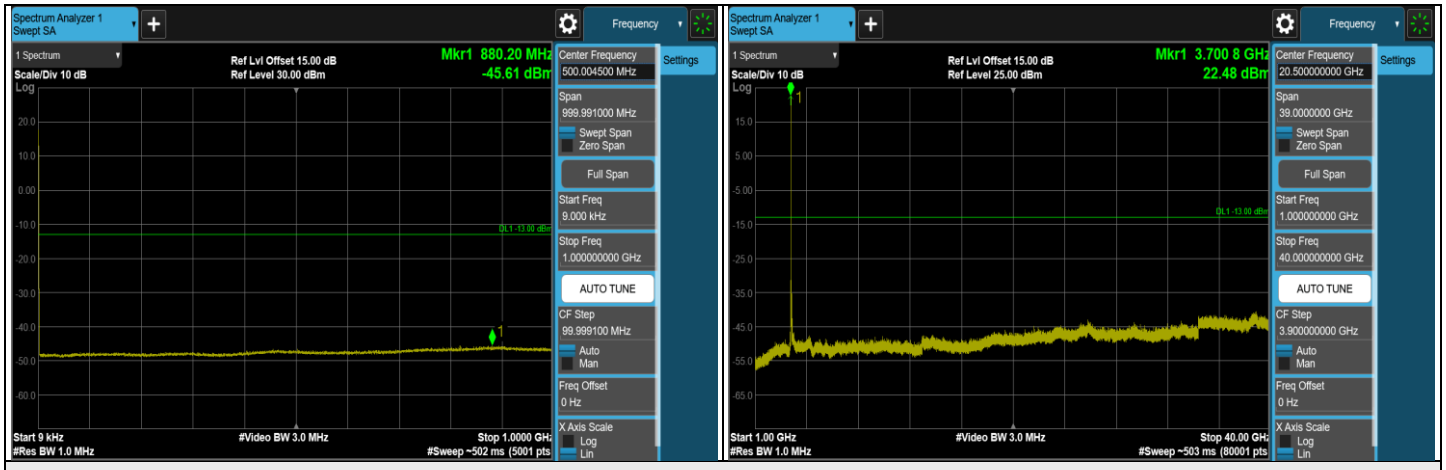
BPSK CH 663666 (3954.99 MHz)

Note: The signal at 9 kHz is IF signal from spectrum analyzer.

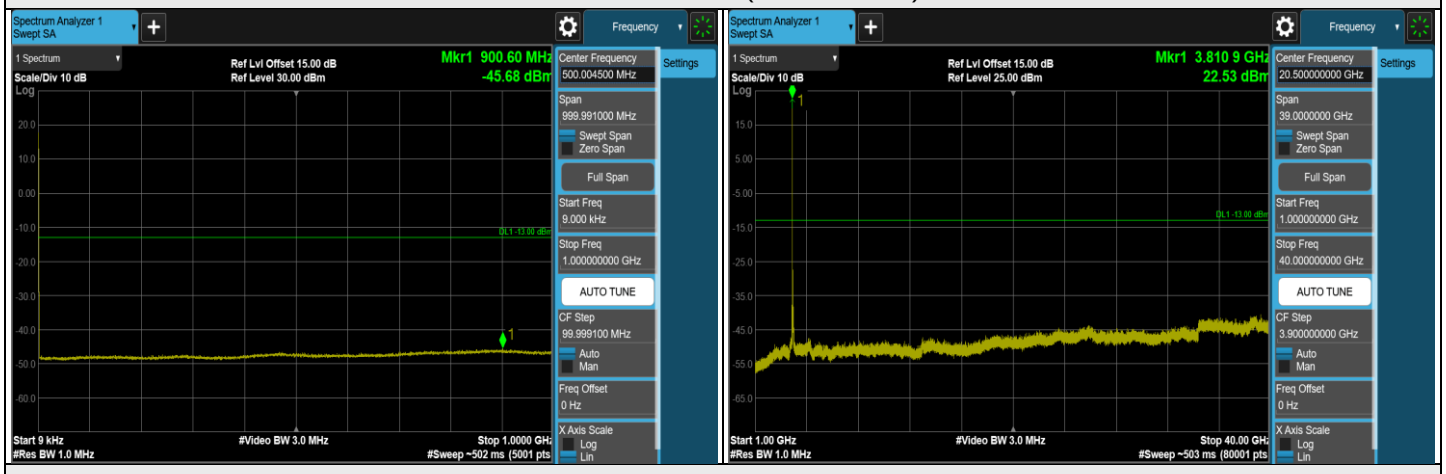
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 50 MHz

Channel 648334(3725.01 MHz)	
1 RB	FULL RB
	
Channel 663666(3954.99 MHz)	
1 RB	FULL RB
	

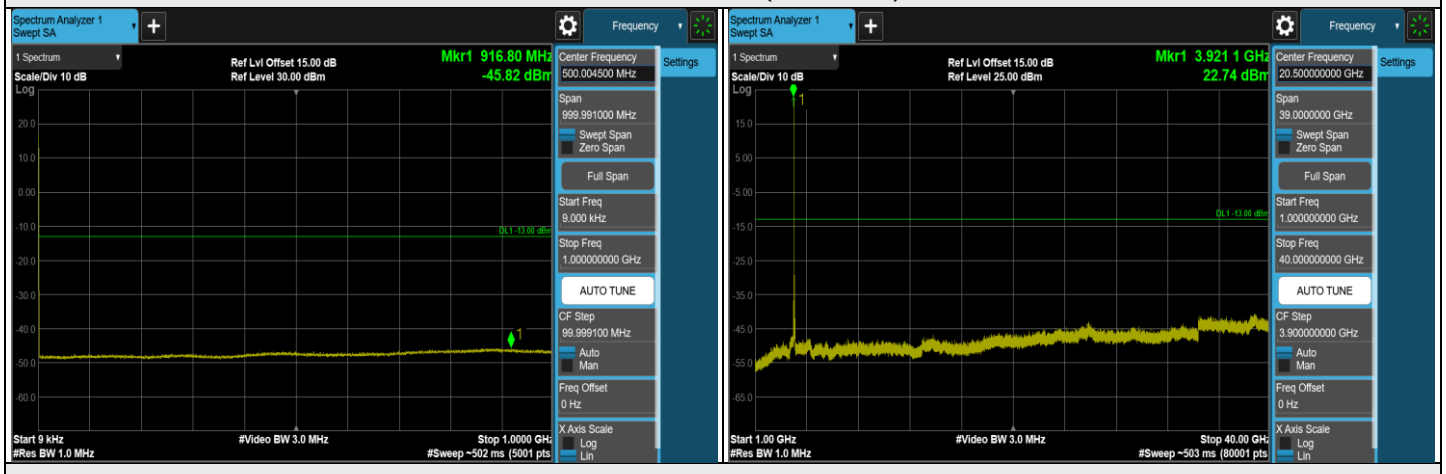
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 60 MHz



BPSK CH 648668 (3730.02 MHz)



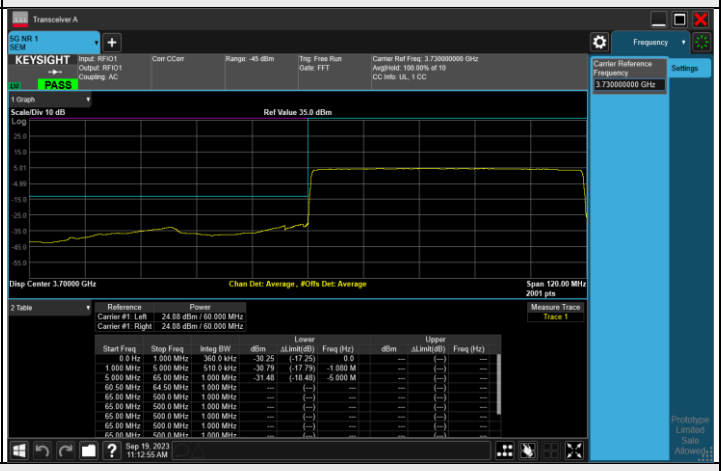
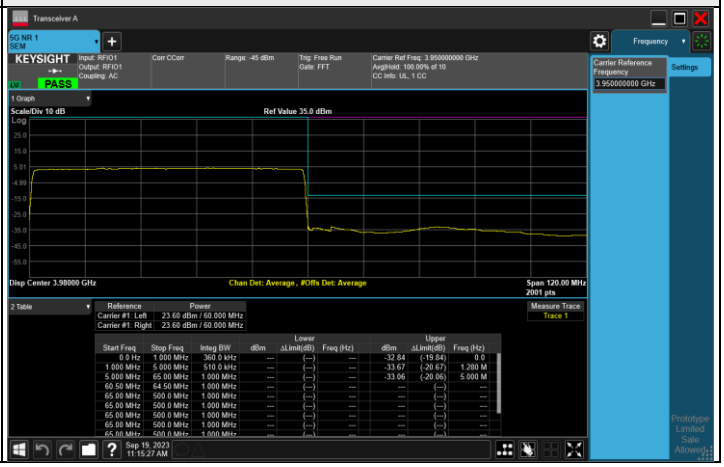
BPSK CH 656000 (3840 MHz)



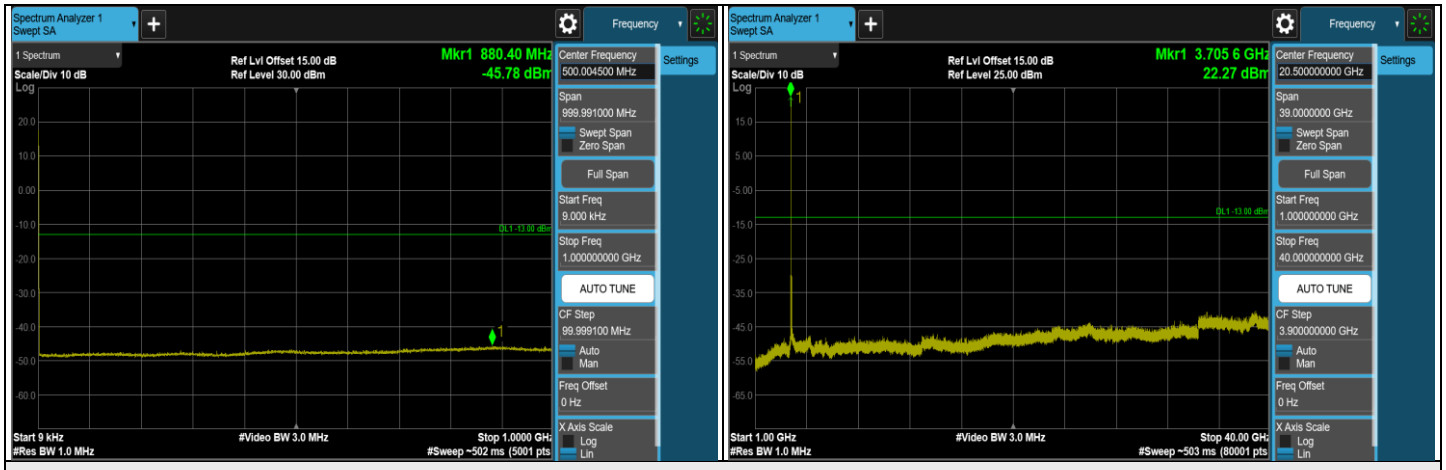
BPSK CH 663332 (3949.98 MHz)

Note: The signal at 9 kHz is IF signal from spectrum analyzer.

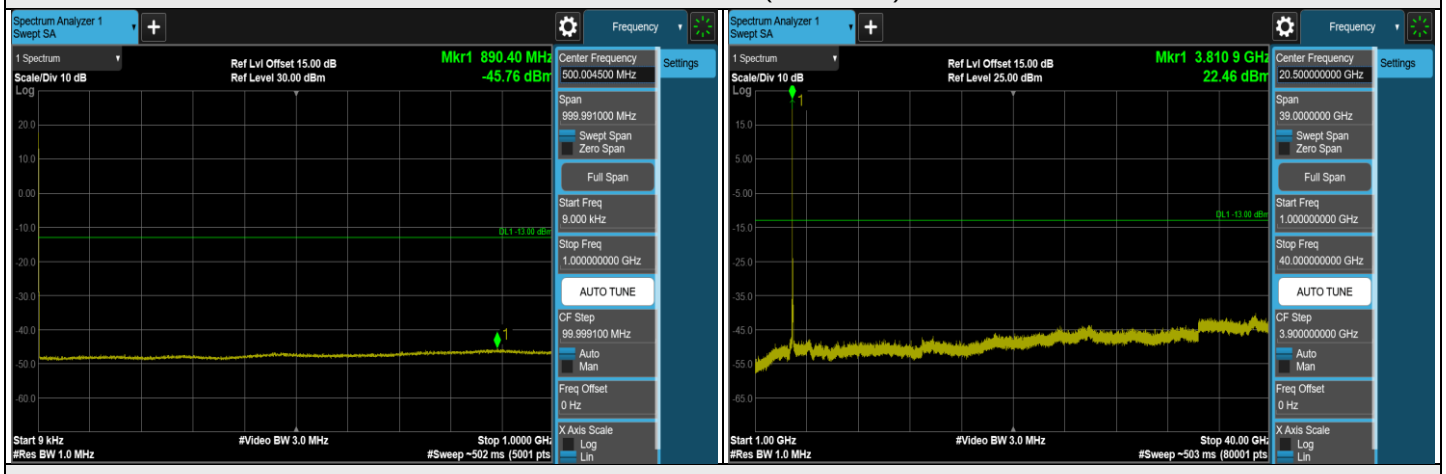
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 60 MHz

Channel 648668(3730.02 MHz)	
1 RB	FULL RB
	
Channel 663332(3949.98 MHz)	
1 RB	FULL RB
	

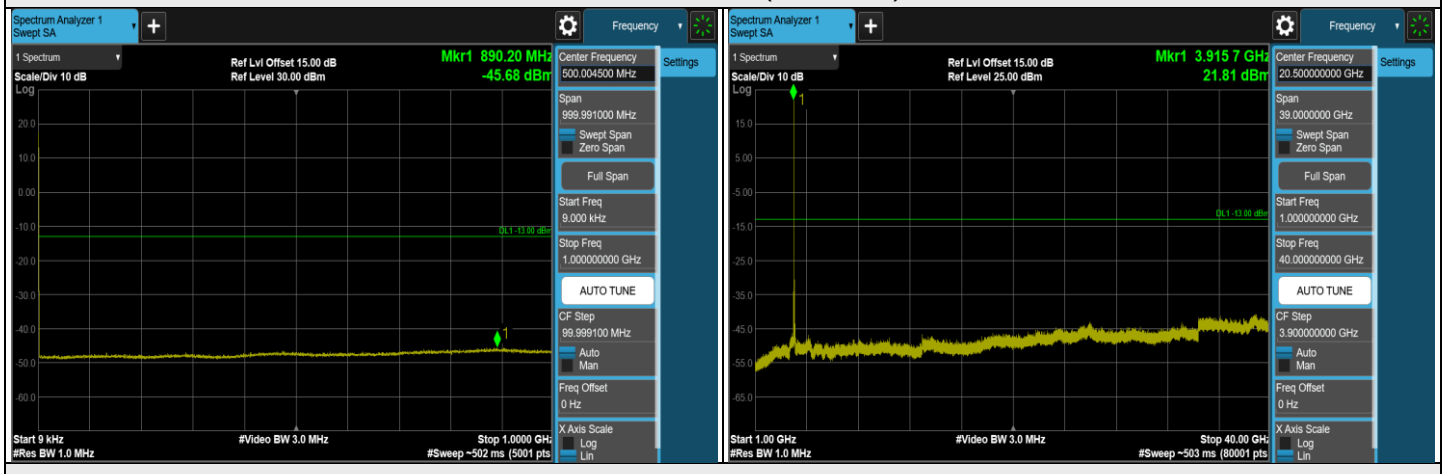
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 70 MHz



BPSK CH 649000 (3735 MHz)



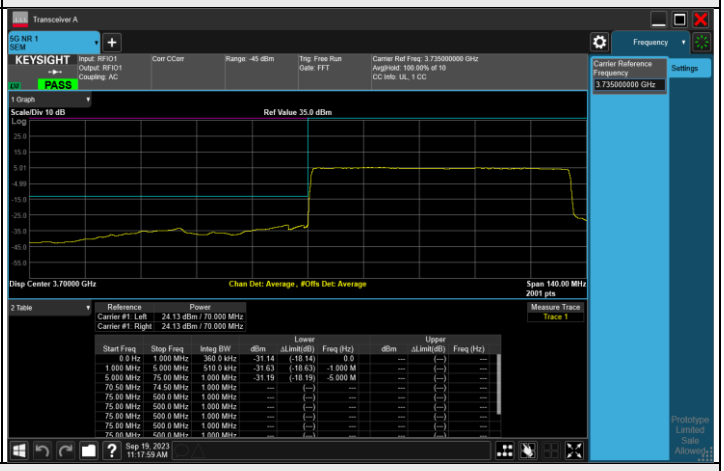
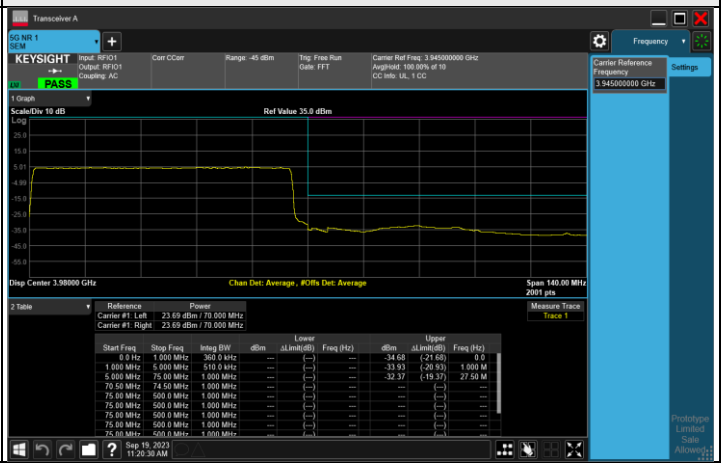
BPSK CH 656000 (3840 MHz)



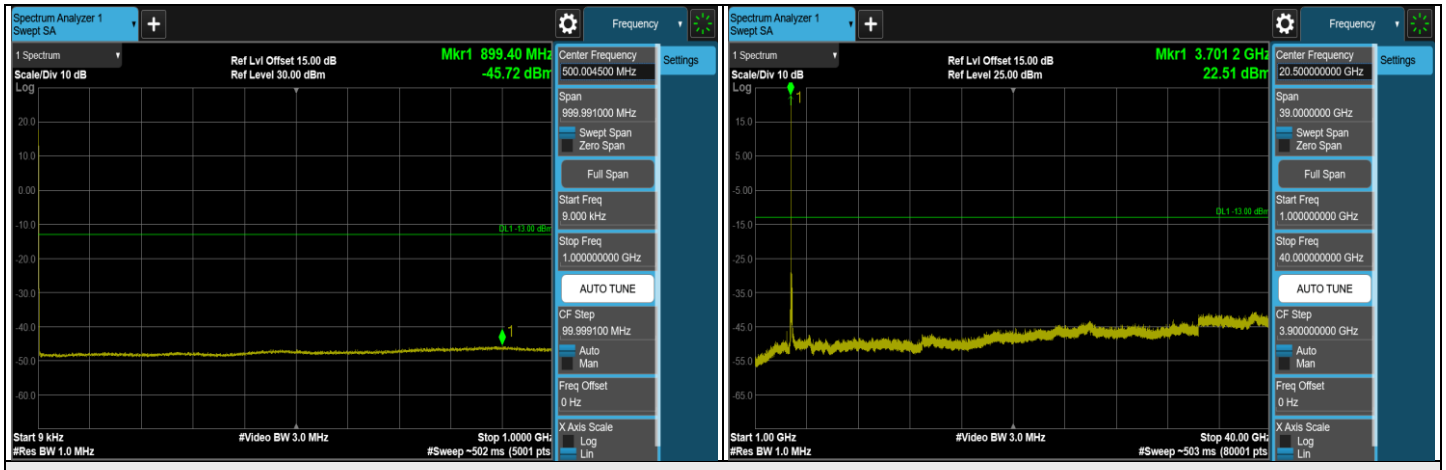
BPSK CH 663000 (3945 MHz)

Note: The signal at 9 kHz is IF signal from spectrum analyzer.

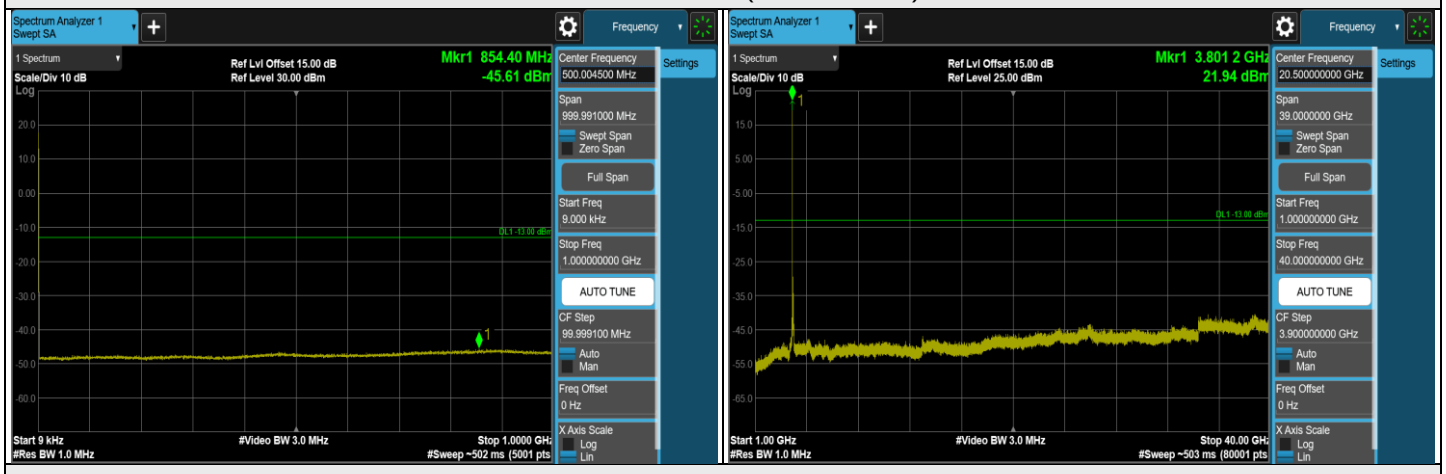
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 70 MHz

Channel 649000(3735 MHz)	
1 RB	FULL RB
	
Channel 663000(3945 MHz)	
1 RB	FULL RB
	

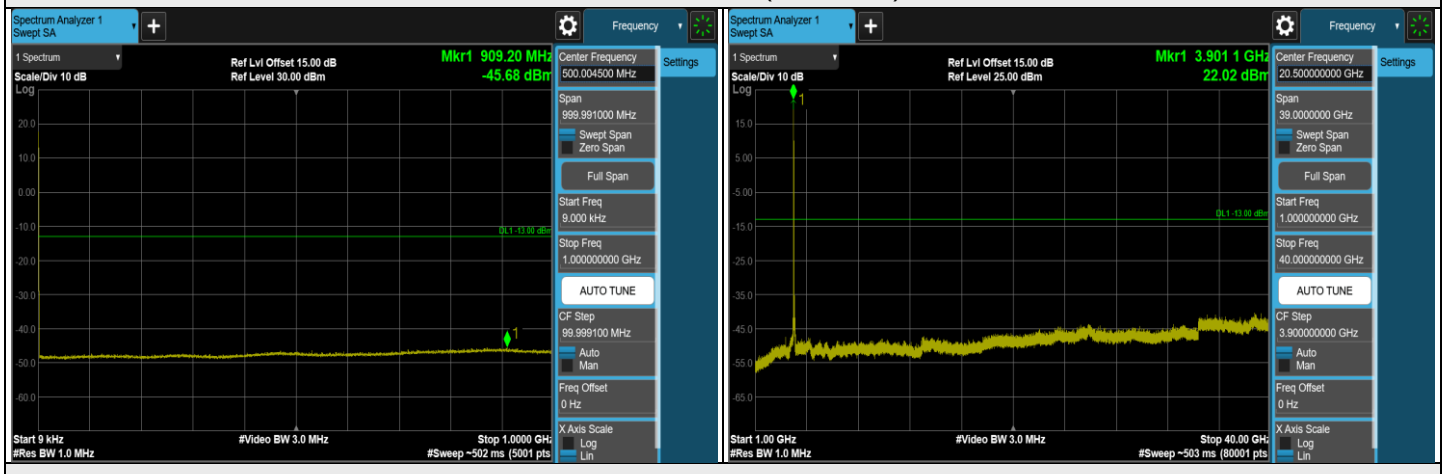
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 80 MHz



BPSK CH 649334 (3740.01 MHz)



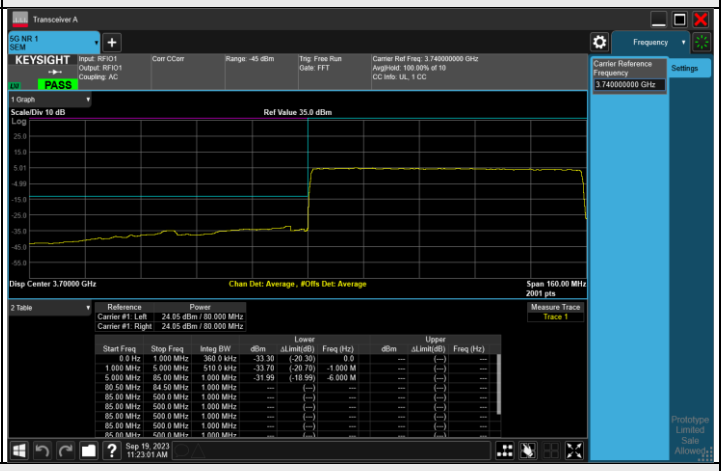
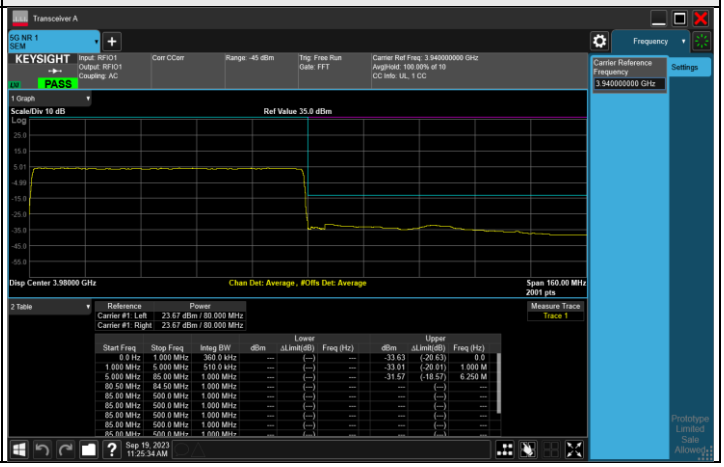
BPSK CH 656000 (3840 MHz)



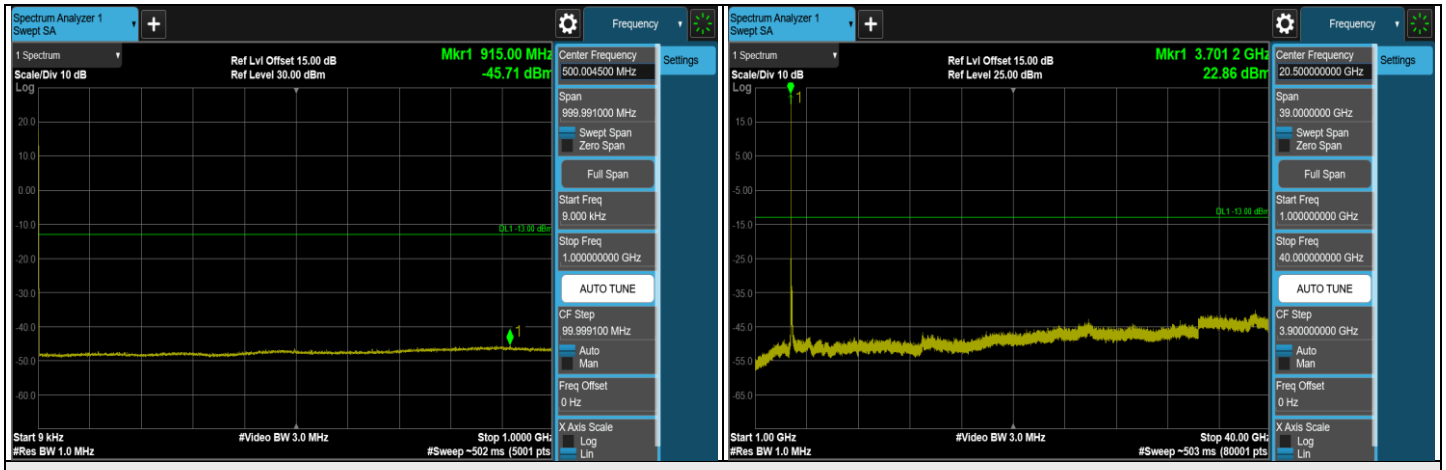
BPSK CH 662666 (3939.99 MHz)

Note: The signal at 9 kHz is IF signal from spectrum analyzer.

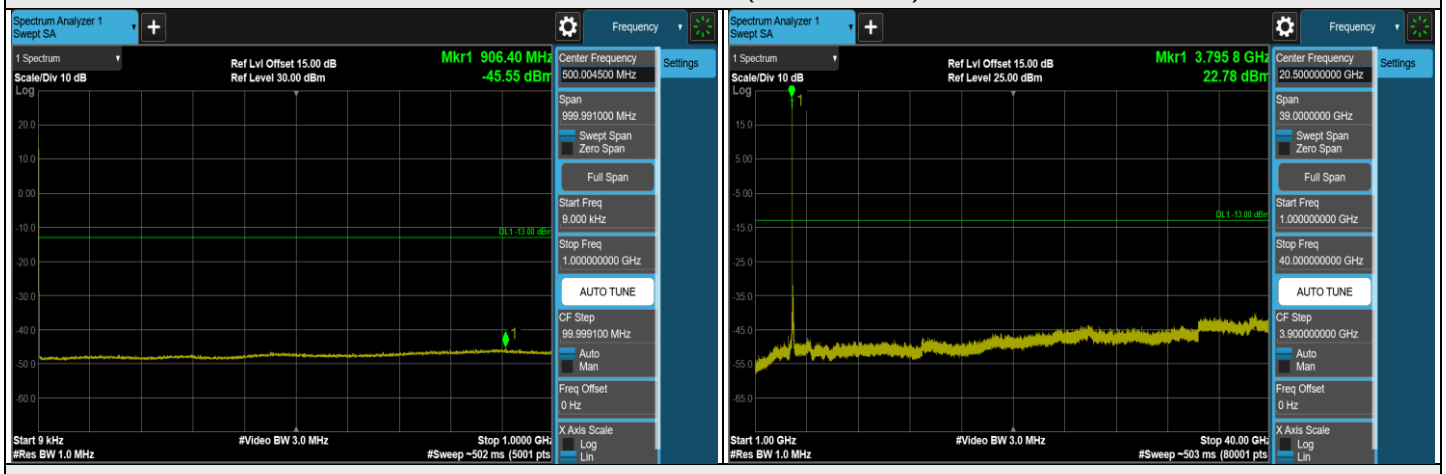
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 80 MHz

Channel 649334(3740.01 MHz)	
1 RB	FULL RB
	
Channel 662666(3939.99 MHz)	
1 RB	FULL RB
	

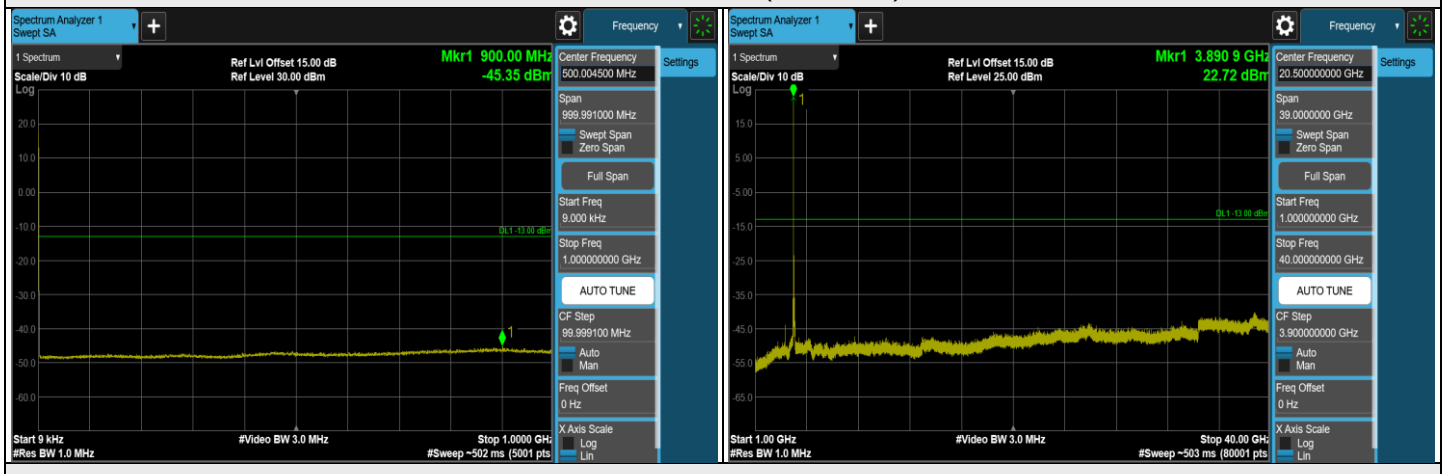
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 90 MHz



BPSK CH 649668 (3745.02 MHz)



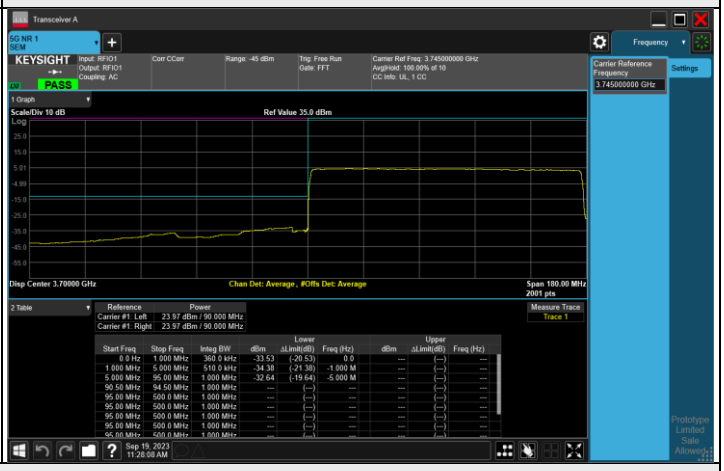
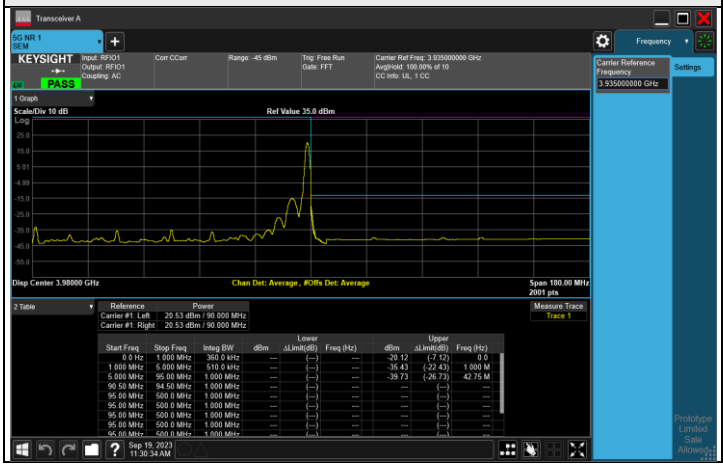
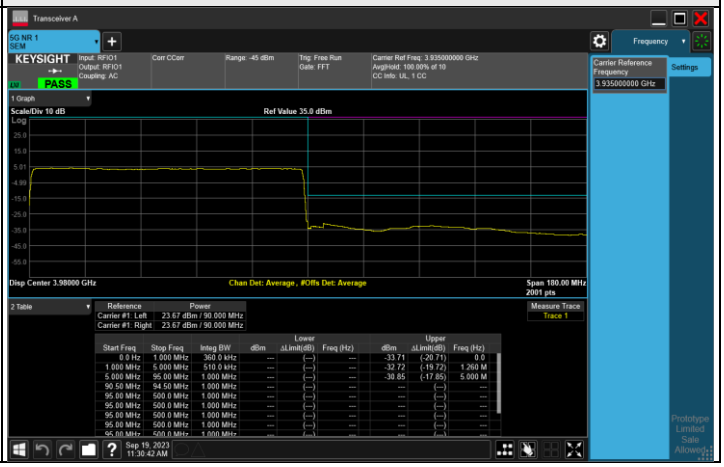
BPSK CH 656000 (3840 MHz)



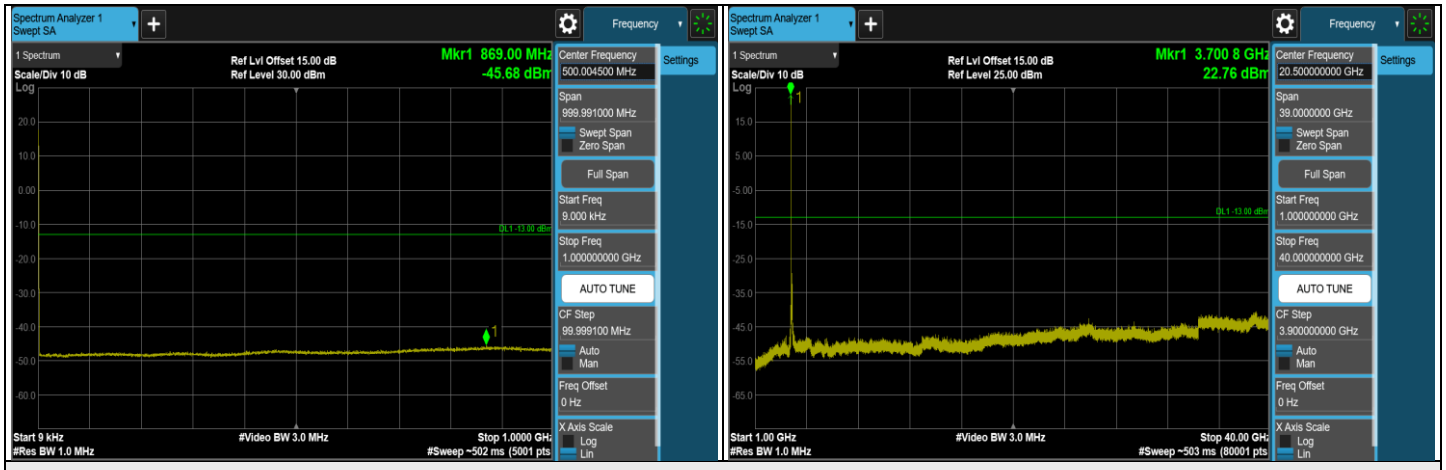
BPSK CH 662332 (3934.98 MHz)

Note: The signal at 9 kHz is IF signal from spectrum analyzer.

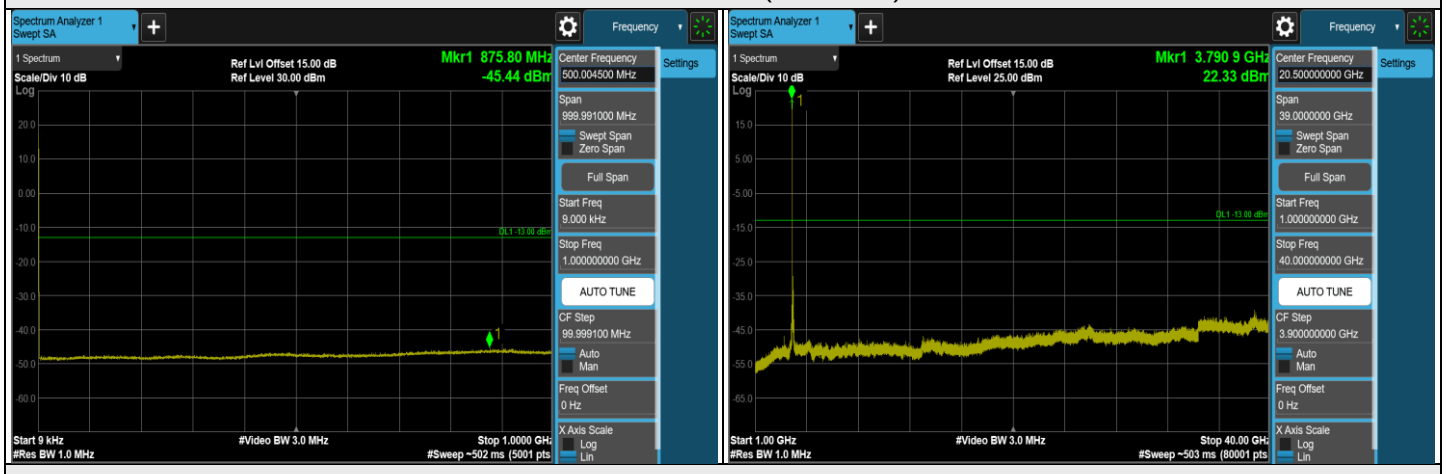
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 90 MHz

Channel 649668(3745.02 MHz)	
1 RB	FULL RB
	
Channel 662332(3934.98 MHz)	
1 RB	FULL RB
	

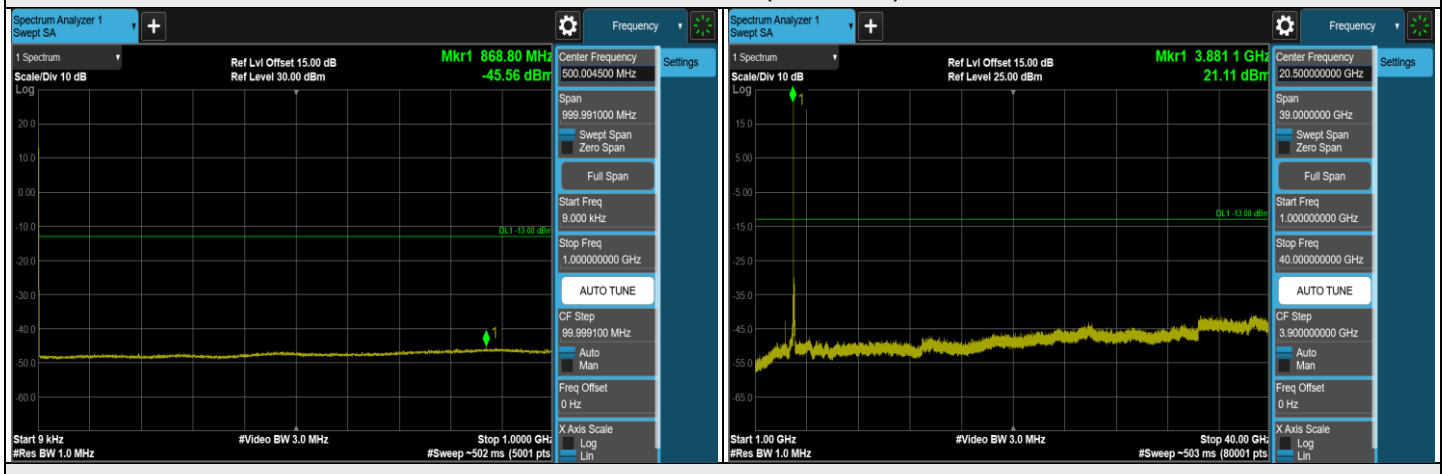
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 100 MHz



BPSK CH 650000 (3750 MHz)



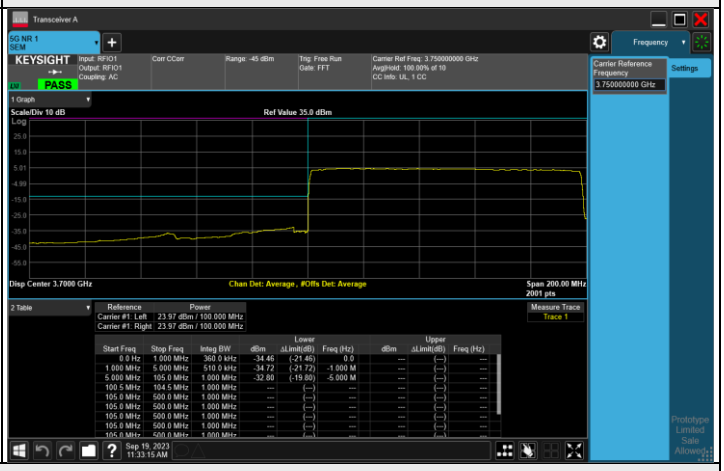
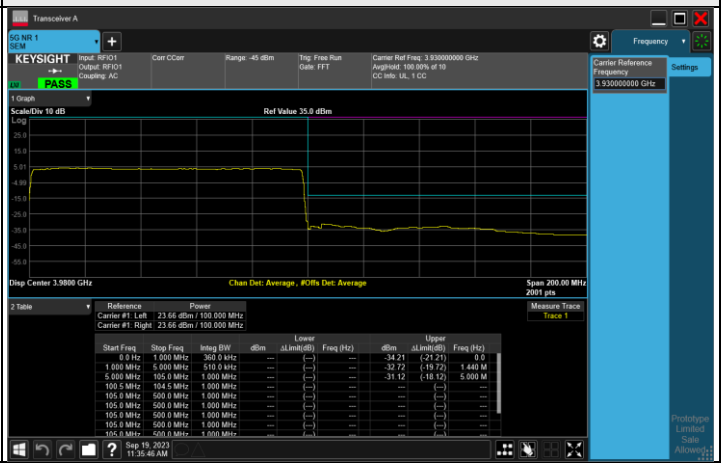
BPSK CH 656000 (3840 MHz)



BPSK CH 662000 (3930 MHz)

Note: The signal at 9 kHz is IF signal from spectrum analyzer.

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 100 MHz

Channel 650000(3750 MHz)	
1 RB	FULL RB
	
Channel 662000(3930 MHz)	
1 RB	FULL RB
	

7.6 Radiated Spurious Emissions below 1GHz

With shielding case

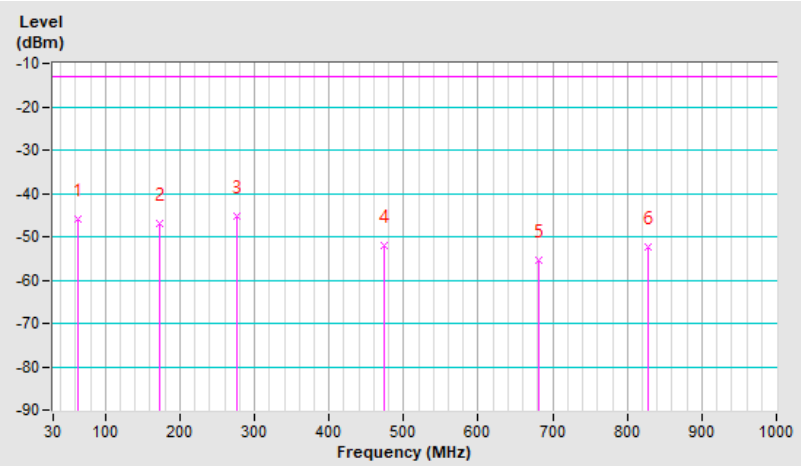
7.6.1 NR n2

RF Mode	NR n2 Channel Bandwidth: 20MHz	**Channel**	CH 376000：1880 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	21 °C, 65 % RH
Tested By	vincent chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**EIRP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	62.98	-45.91	-13.00	-32.91	2.00 H	217	62.76	-108.67
2	172.59	-46.90	-13.00	-33.90	1.00 H	74	61.74	-108.64
3	277.35	-45.24	-13.00	-32.24	1.50 H	175	62.73	-107.97
4	474.26	-52.20	-13.00	-39.20	1.00 H	282	50.65	-102.85
5	680.87	-55.54	-13.00	-42.54	1.00 H	157	43.31	-98.85
6	828.31	-52.23	-13.00	-39.23	2.00 H	38	43.94	-96.17

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

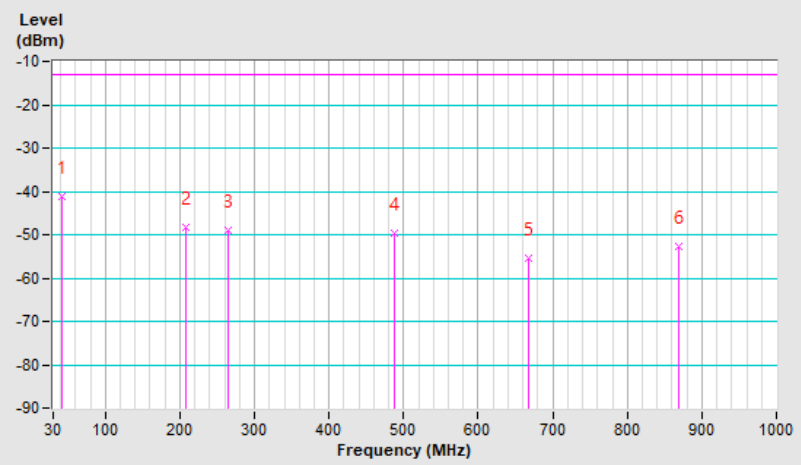


RF Mode	NR n2 Channel Bandwidth: 20MHz	**Channel**	CH 376000：1880 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	21 °C, 65 % RH
Tested By	vincent chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**EIRP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	41.64	-41.13	-13.00	-28.13	1.50 V	140	66.71	-107.84
2	207.51	-48.40	-13.00	-35.40	1.00 V	165	62.73	-111.13
3	263.77	-48.90	-13.00	-35.90	2.00 V	230	59.70	-108.60
4	487.84	-49.74	-13.00	-36.74	1.00 V	80	52.80	-102.54
5	668.26	-55.45	-13.00	-42.45	1.00 V	275	43.65	-99.10
6	869.05	-52.60	-13.00	-39.60	1.50 V	225	43.51	-96.11

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



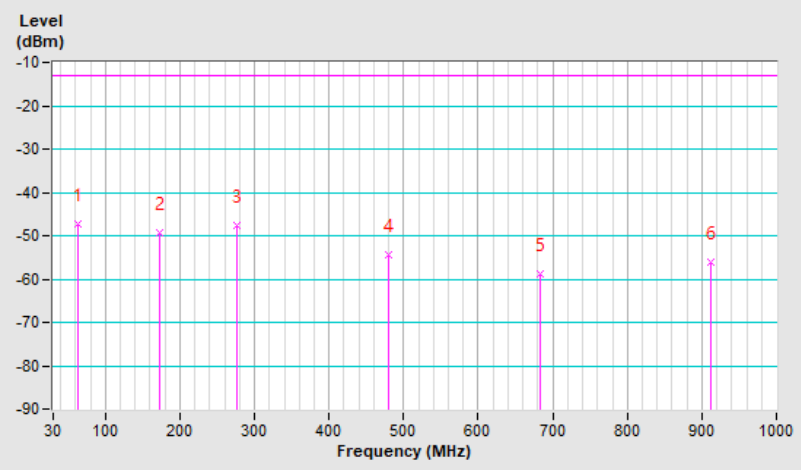
7.6.2 NR n5

RF Mode	NR n5 Channel Bandwidth: 20MHz	**Channel**	CH 167300：836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	21 °C, 65 % RH
Tested By	vincent chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**ERP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	63.95	-47.30	-13.00	-34.30	2.00 H	206	63.97	-111.27
2	173.56	-49.24	-13.00	-36.24	1.00 H	75	61.63	-110.87
3	276.38	-47.47	-13.00	-34.47	1.00 H	181	62.70	-110.17
4	480.08	-54.56	-13.00	-41.56	1.50 H	292	50.36	-104.92
5	682.81	-58.65	-13.00	-45.65	2.00 H	191	42.33	-100.98
6	911.73	-56.16	-13.00	-43.16	1.50 H	16	41.85	-98.01

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



RF Mode	NR n5 Channel Bandwidth: 20MHz	**Channel**	CH 167300：836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	21 °C, 65 % RH
Tested By	vincent chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**ERP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	40.67	-43.96	-13.00	-30.96	1.50 V	2	66.17	-110.13
2	206.54	-50.96	-13.00	-37.96	1.00 V	166	62.33	-113.29
3	266.68	-50.35	-13.00	-37.35	1.00 V	244	60.25	-110.60
4	481.05	-51.86	-13.00	-38.86	1.50 V	89	53.02	-104.88
5	625.58	-58.41	-13.00	-45.41	1.00 V	140	43.42	-101.83
6	864.20	-55.62	-13.00	-42.62	2.00 V	260	42.75	-98.37

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.