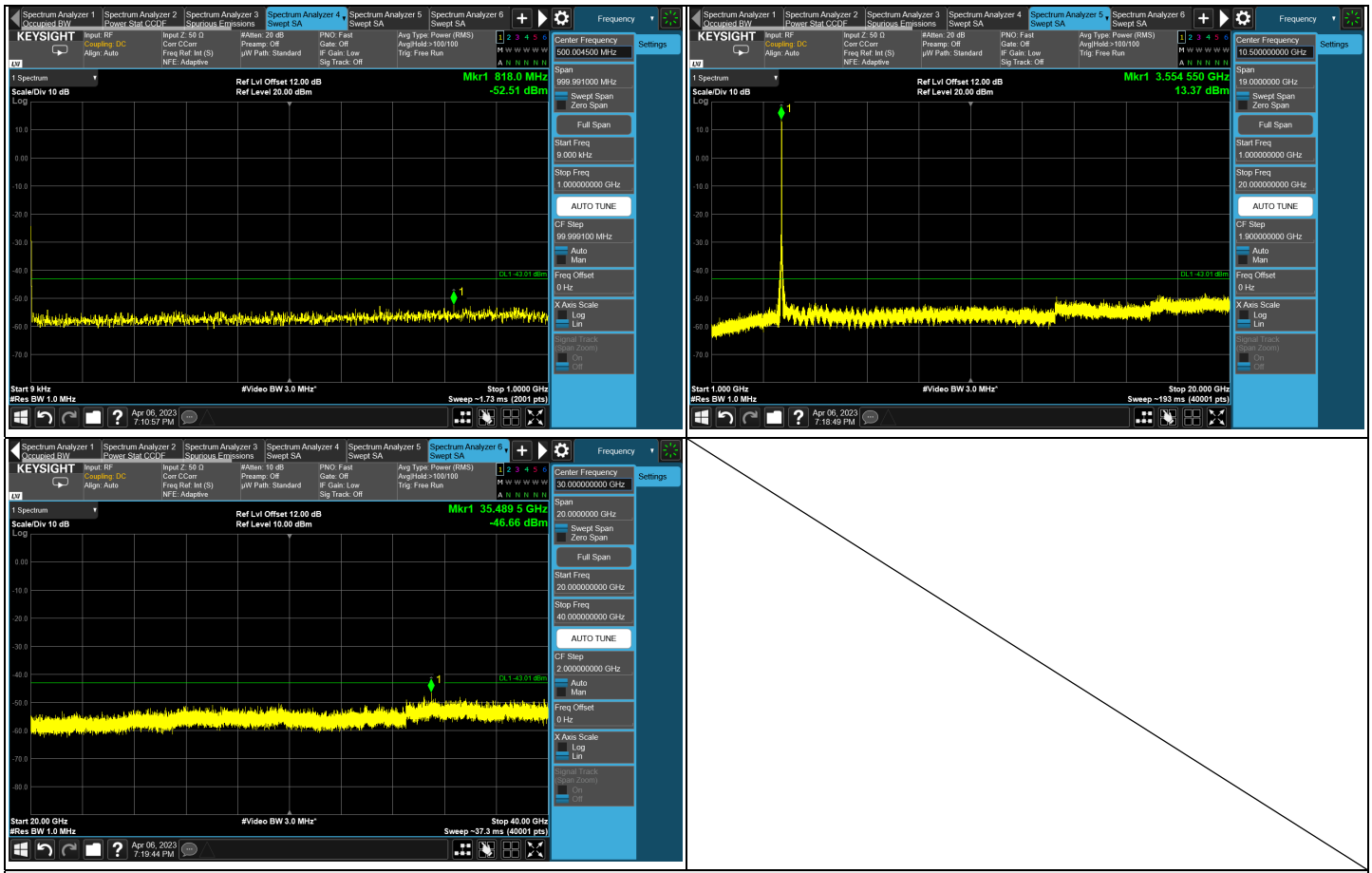
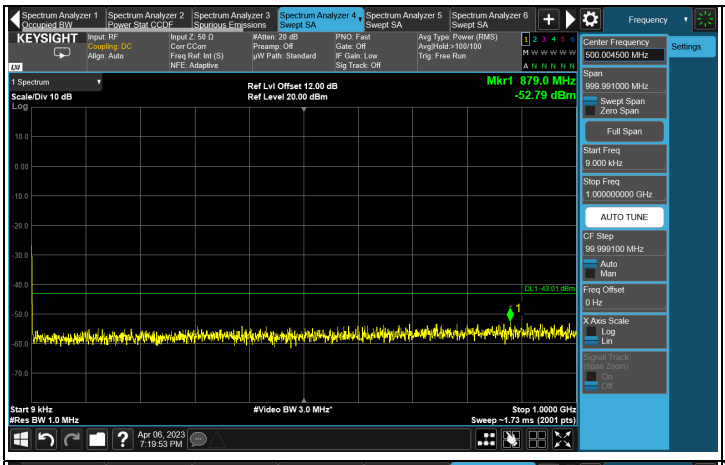
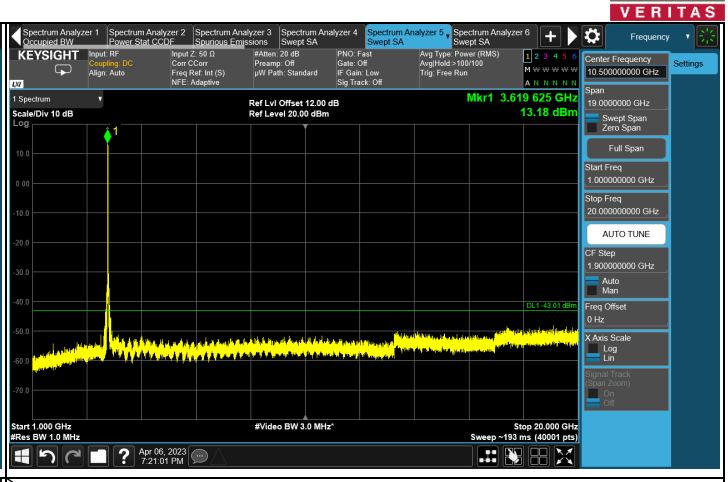
NR n48 SCS 30 kHz, Channel Bandwidth: 20 MHz

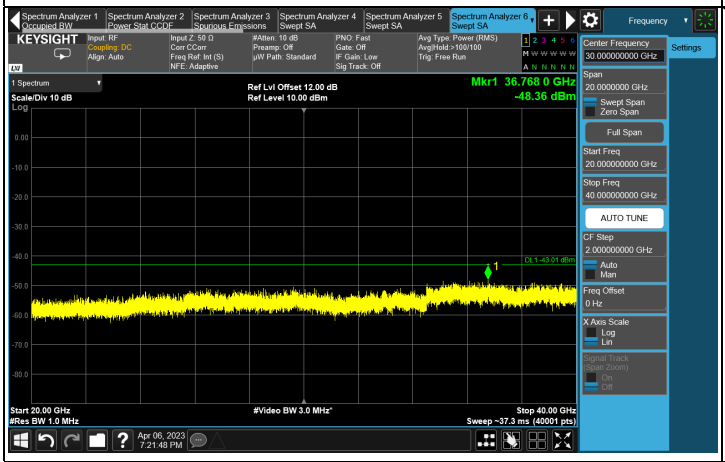
Chain 0

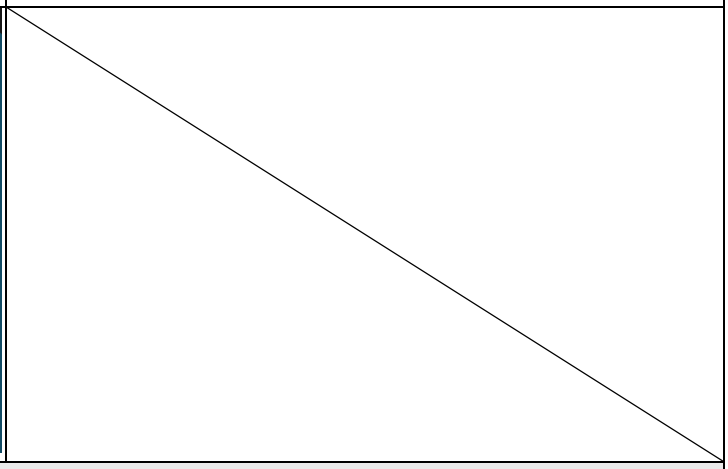


CH 637334 (3560.01 MHz)

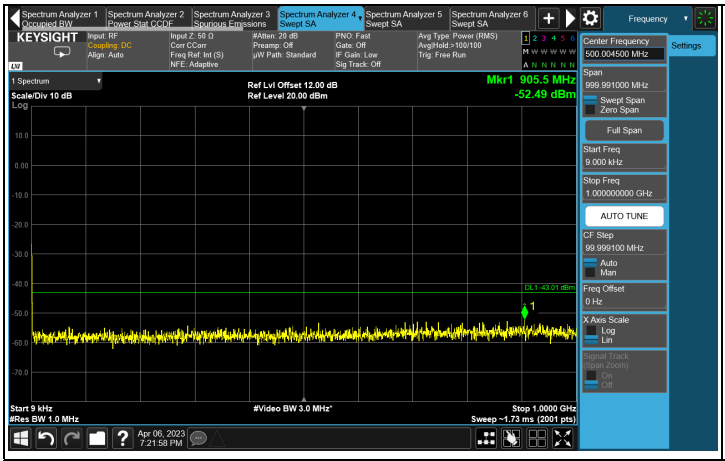


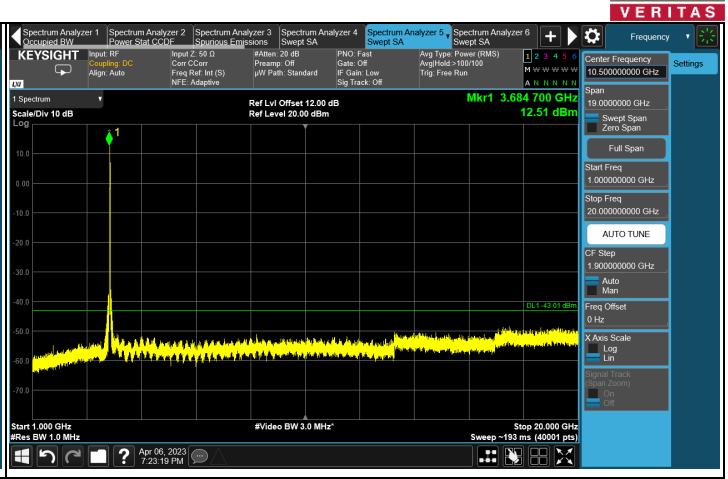


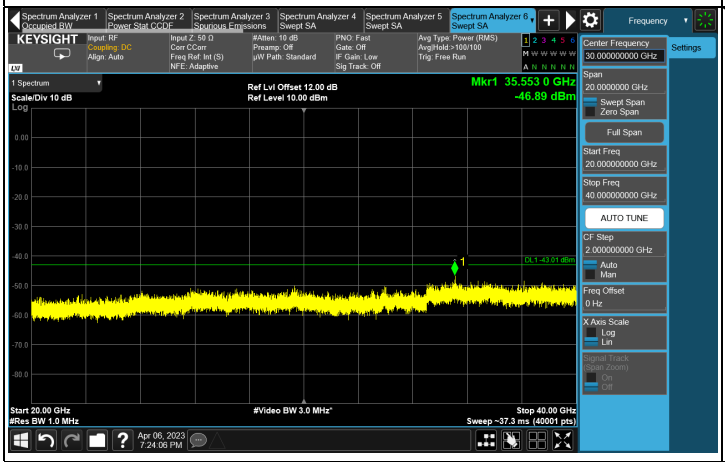


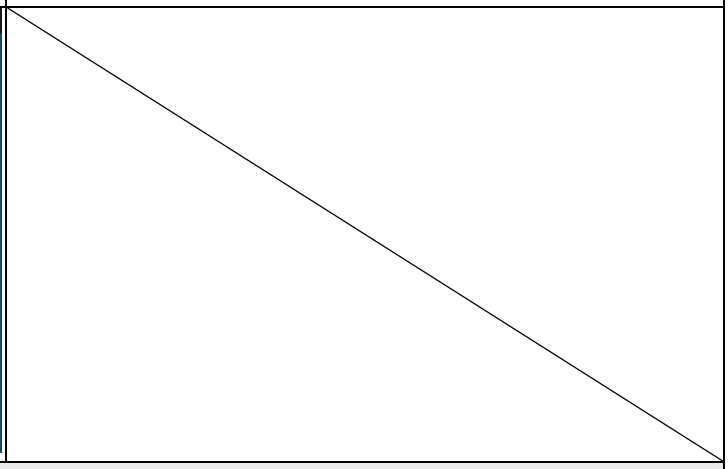


CH 641666 (3624.99 MHz)

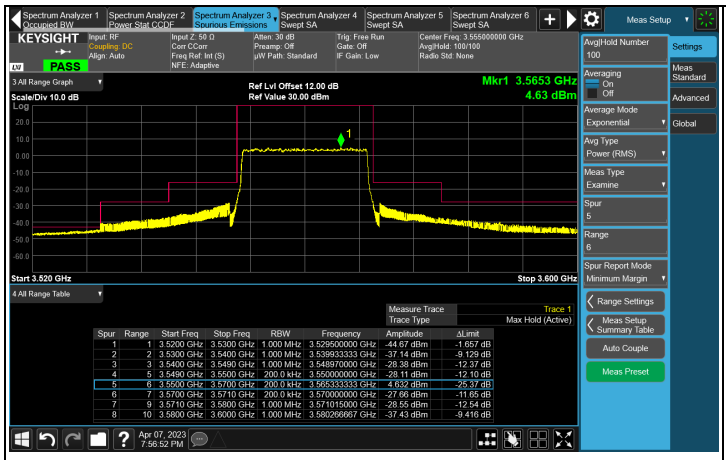




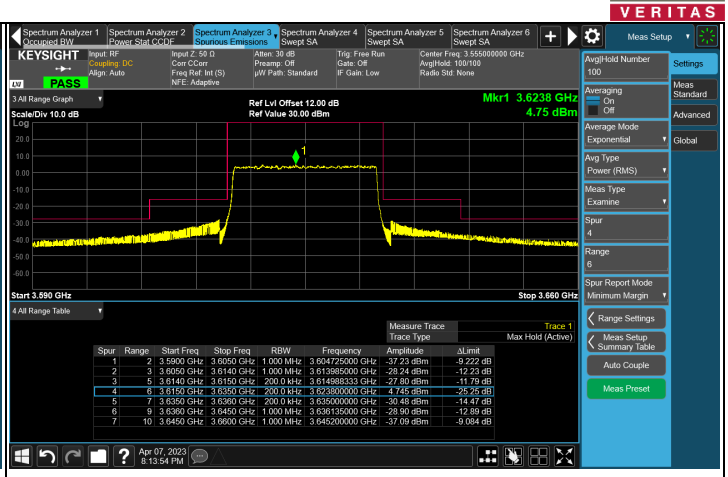




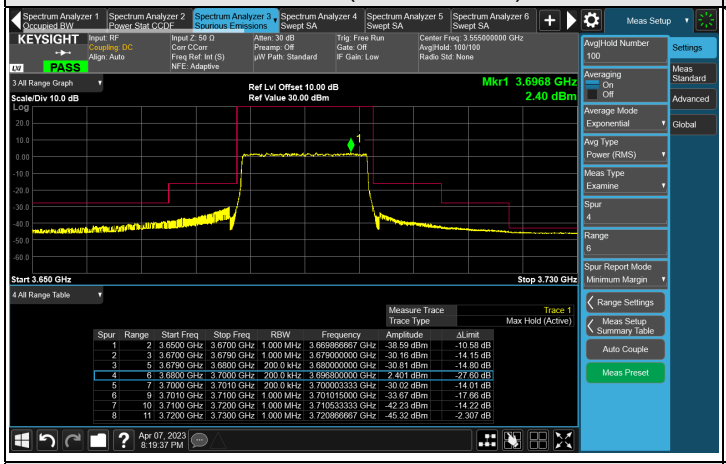
CH 646000 (3690 MHz)



CH 637334 (3560.01 MHz)

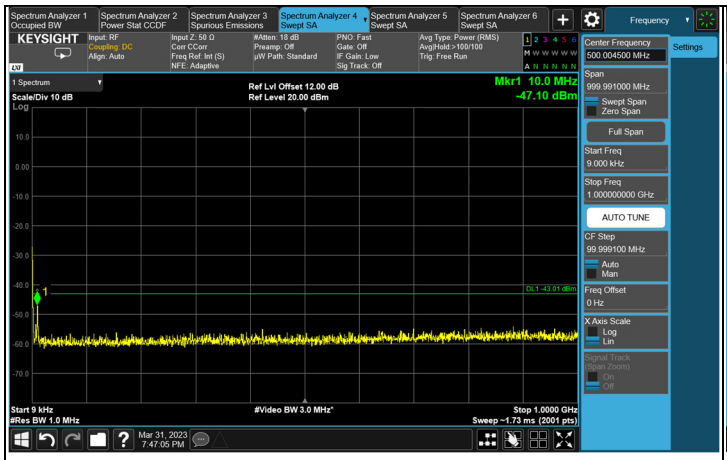


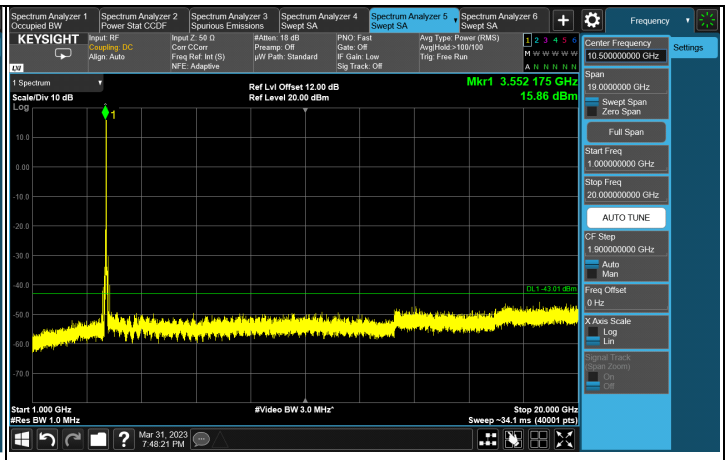
CH 641666 (3624.99 MHz)

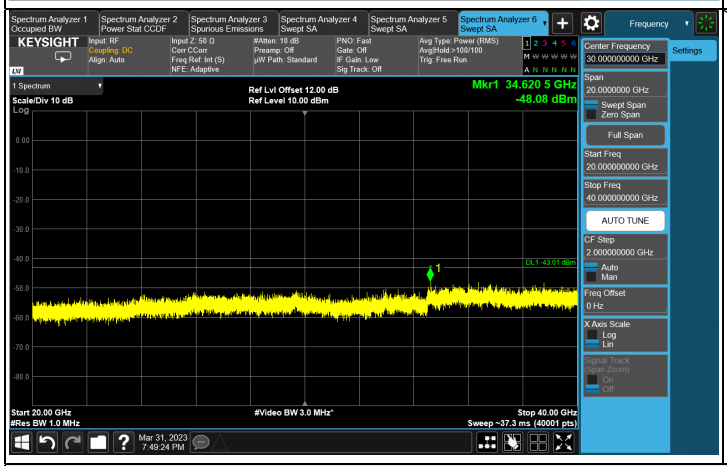


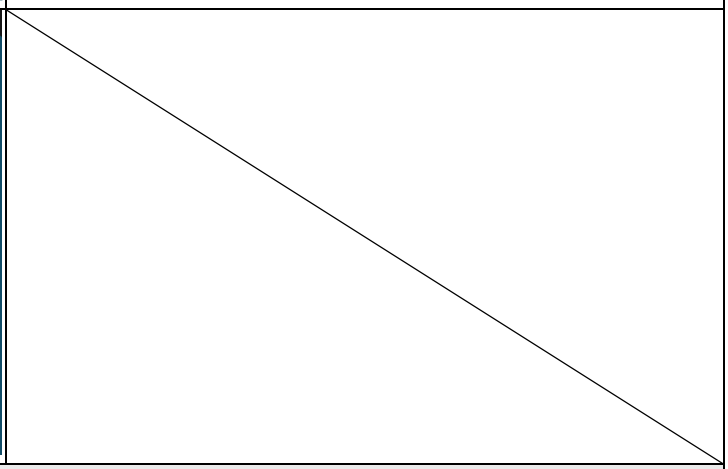
CH 646000 (3690 MHz)

Chain 1

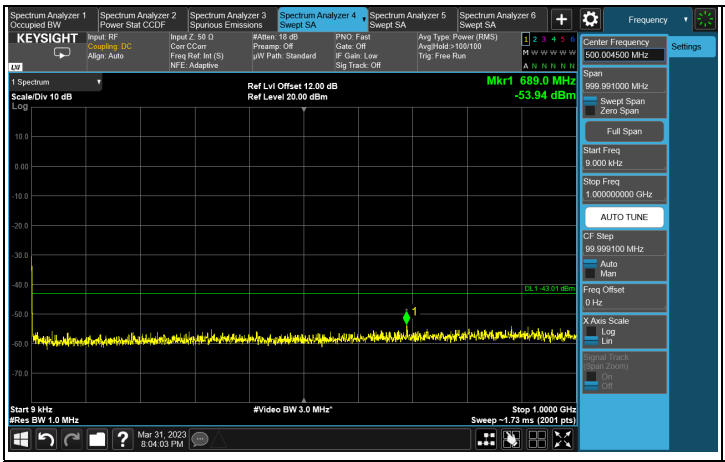


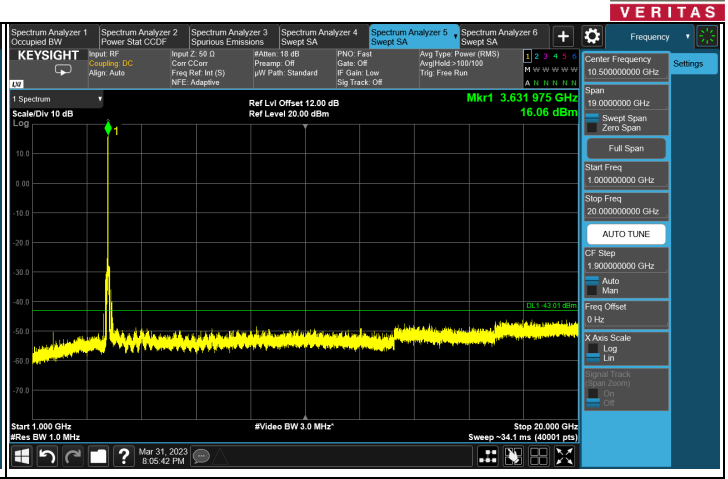


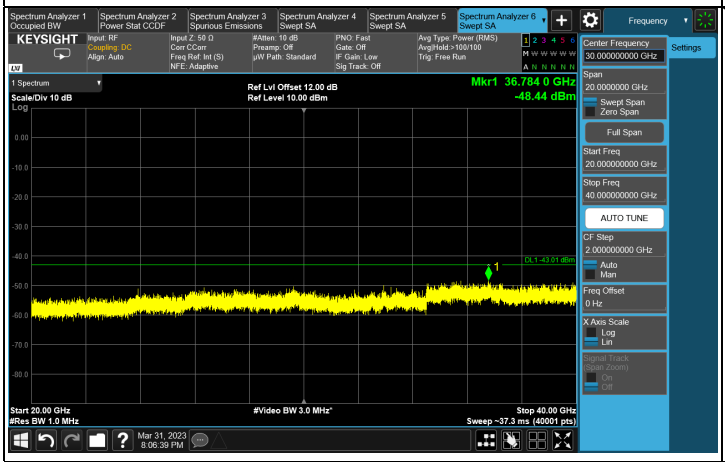




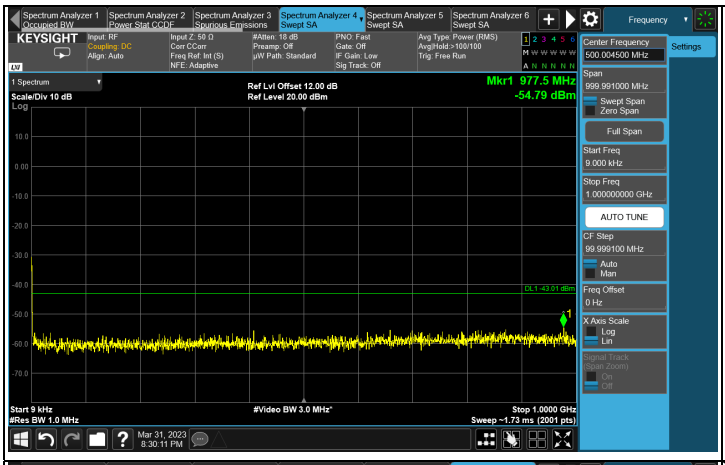
CH 637334 (3560.01 MHz)

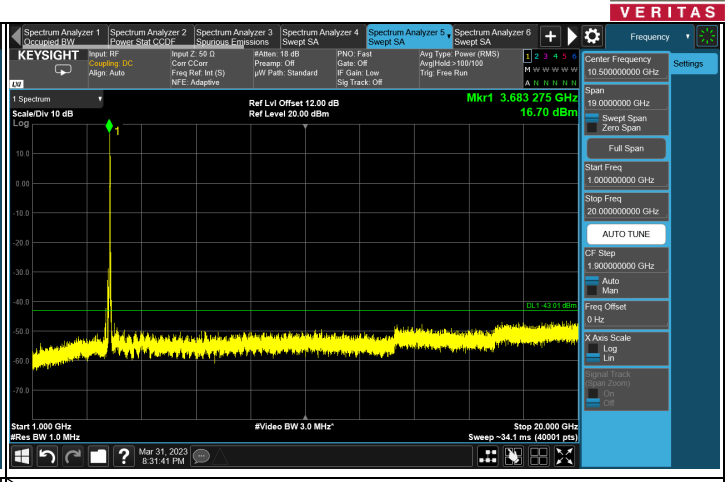


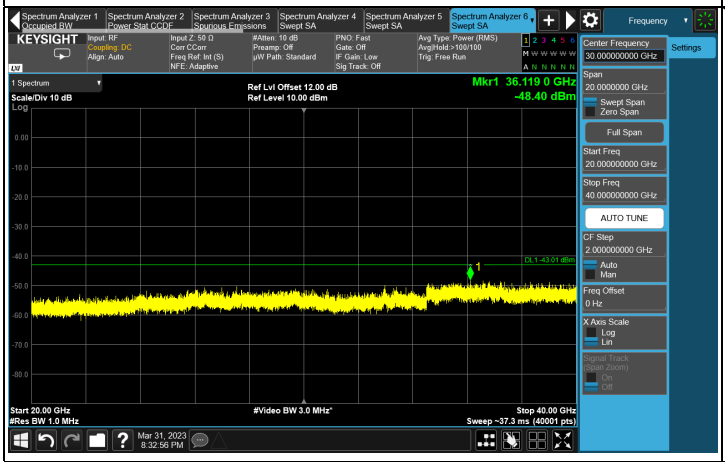




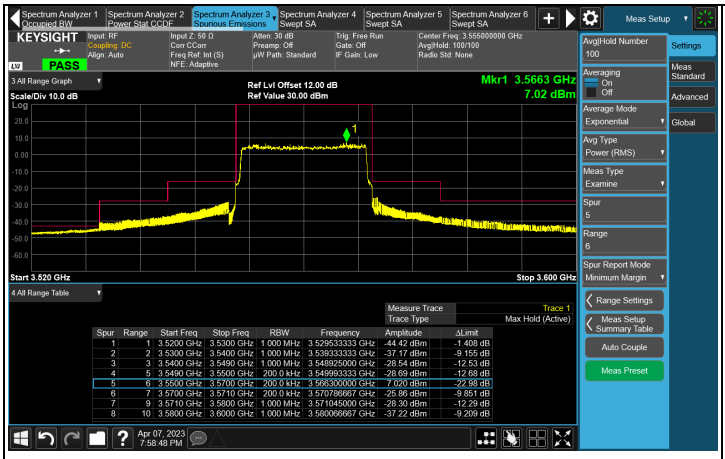
CH 641666 (3624.99 MHz)



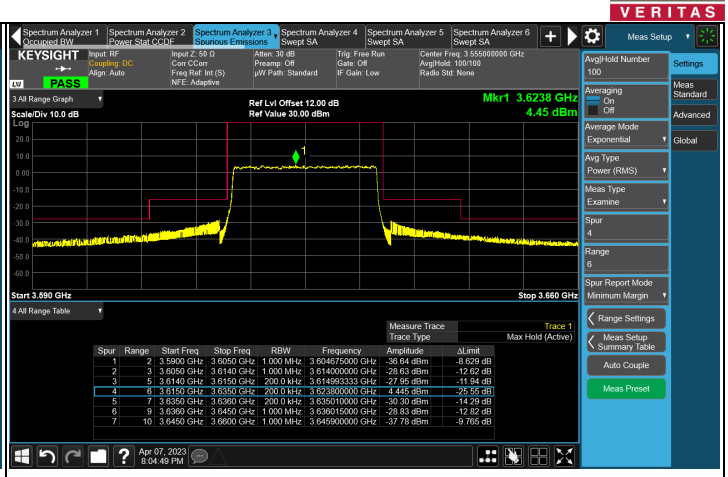




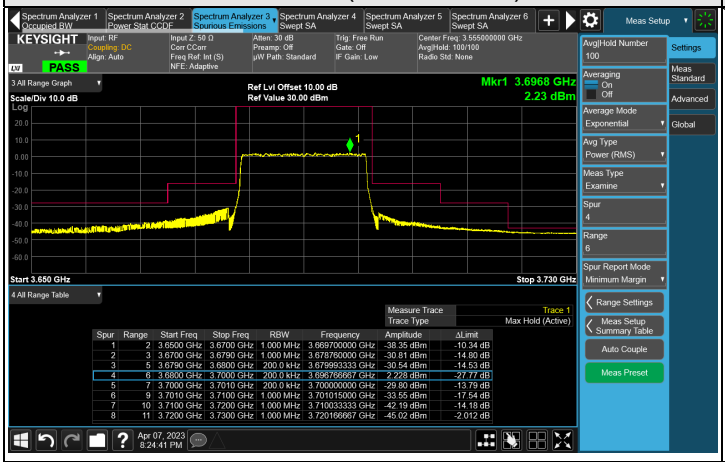
CH 646000 (3690 MHz)



CH 637334 (3560.01 MHz)



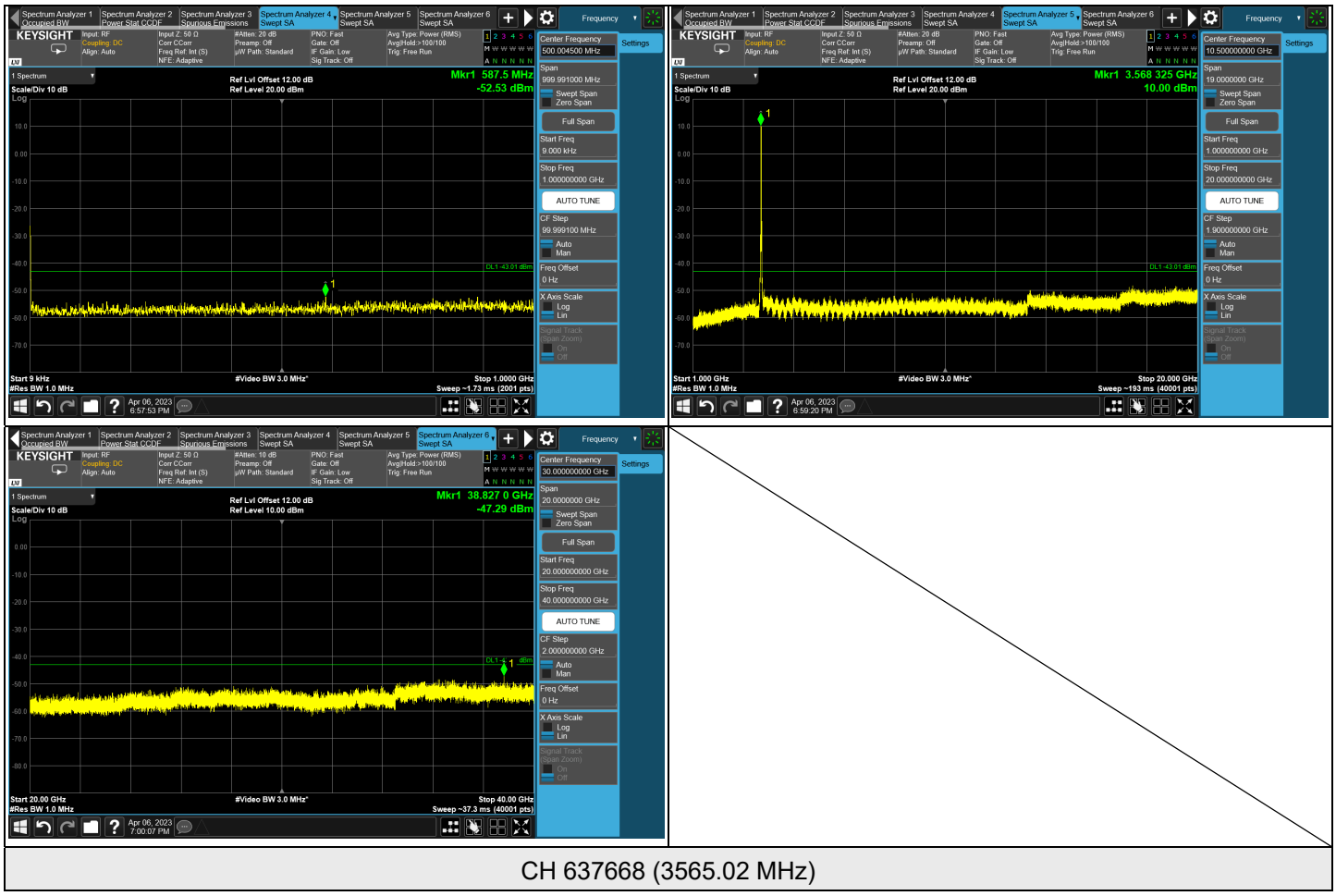
CH 641666 (3624.99 MHz)



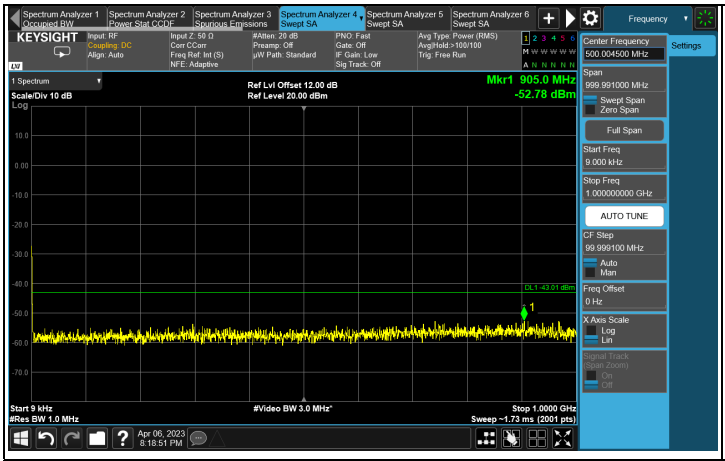
CH 646000 (3690 MHz)

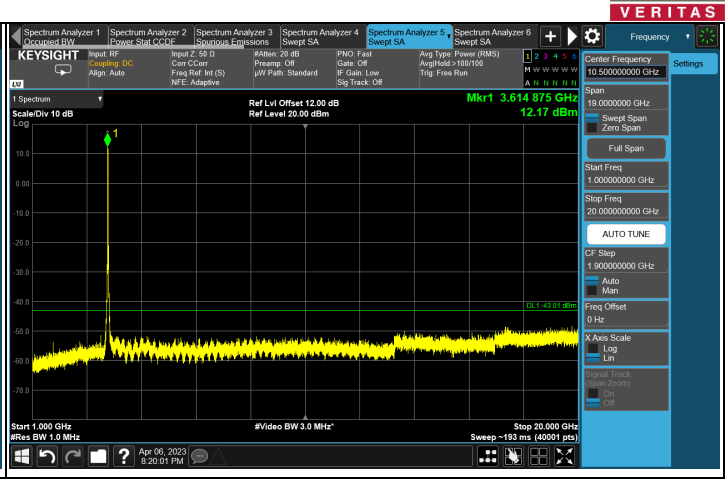
NR n48 SCS 30 kHz, Channel Bandwidth: 30 MHz

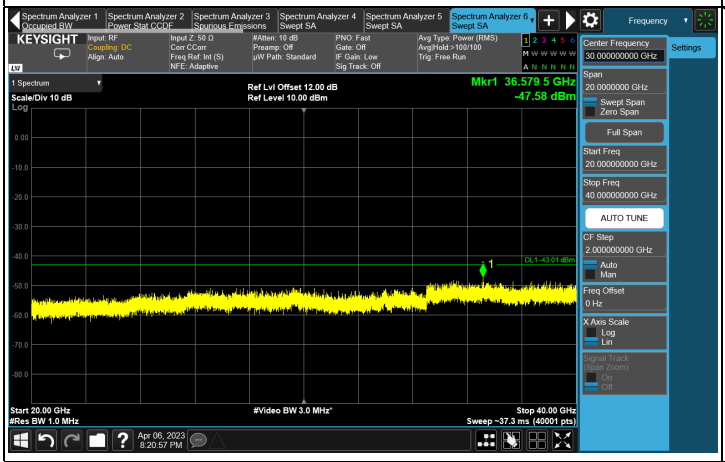
Chain 0

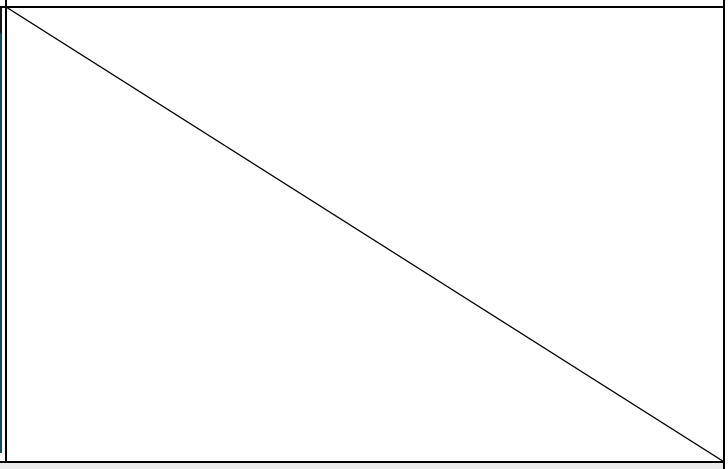


CH 637668 (3565.02 MHz)

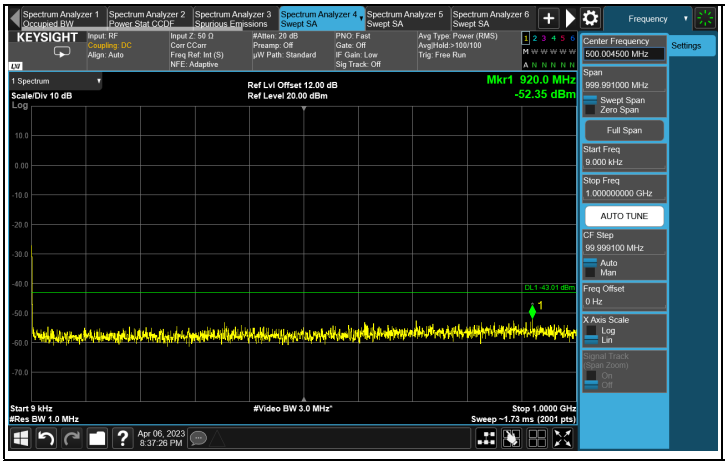


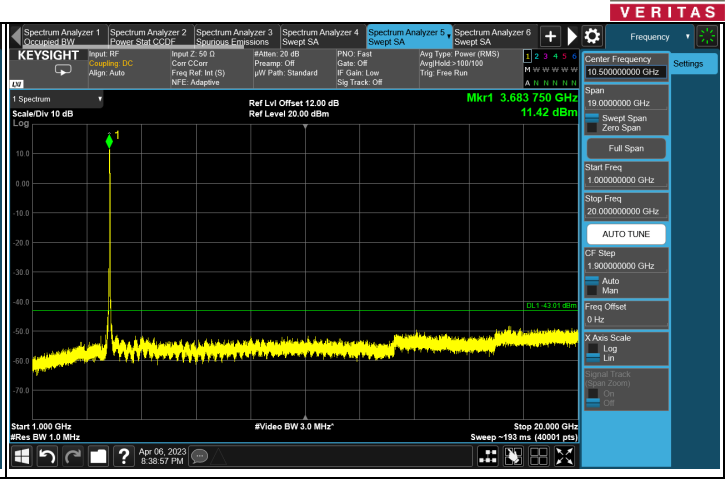


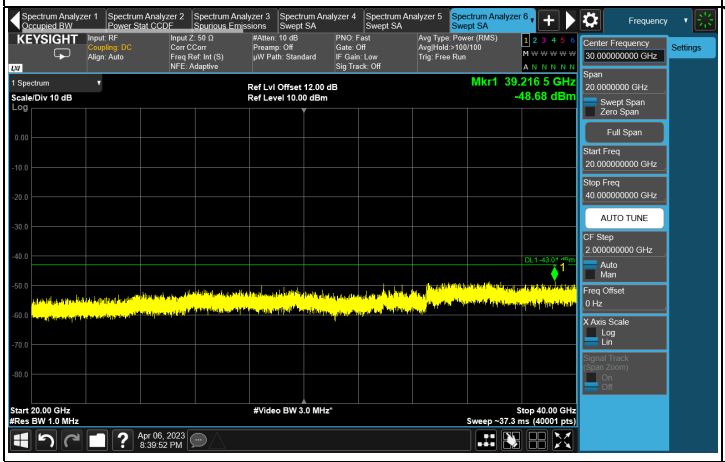




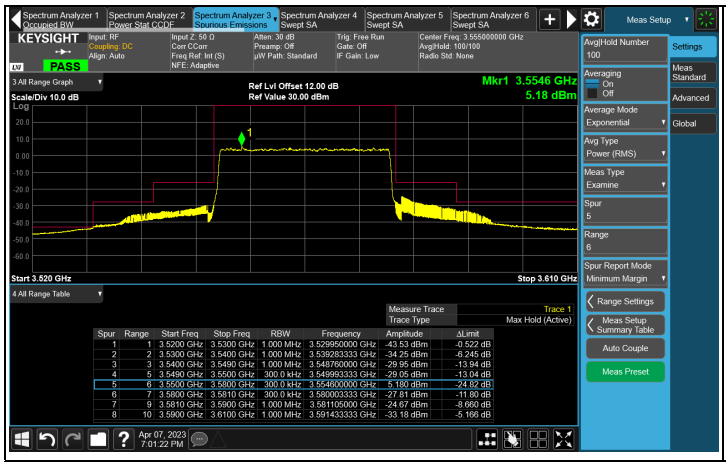
CH 641666 (3624.99 MHz)



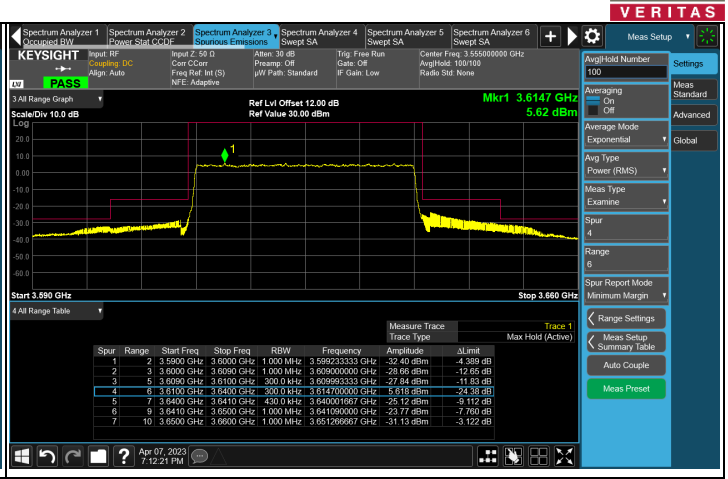




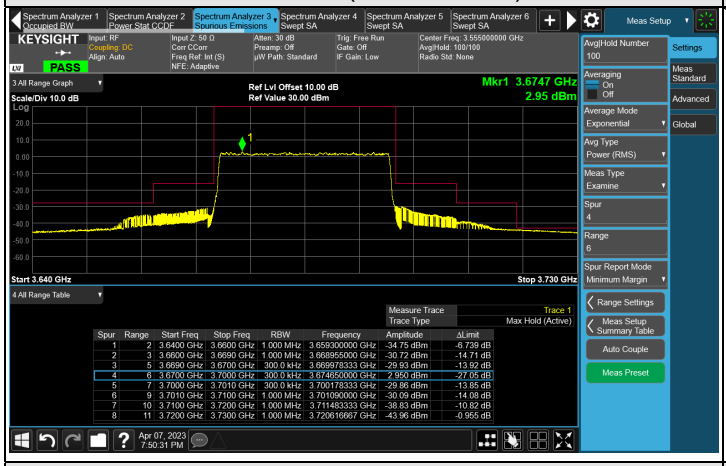
CH 645666 (3684.99 MHz)



CH 637668 (3565.02 MHz)

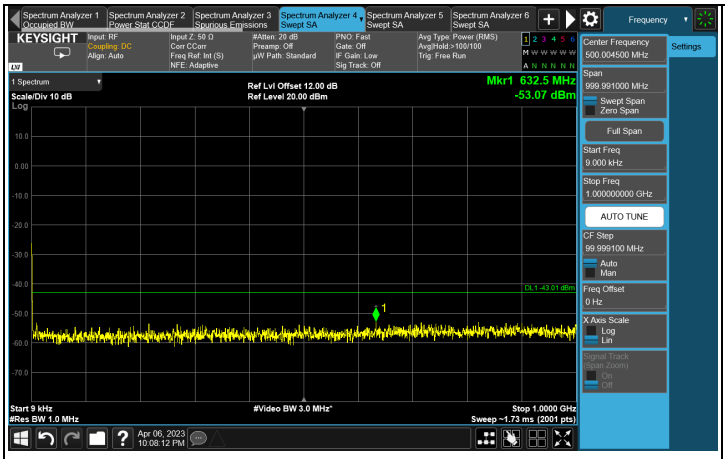


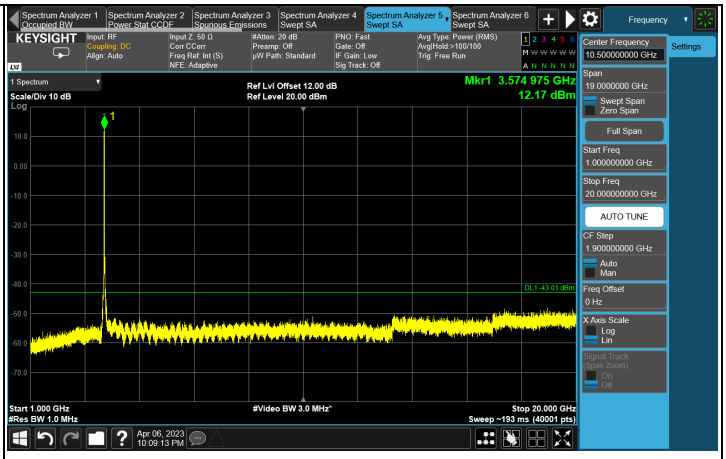
CH 641666 (3624.99 MHz)

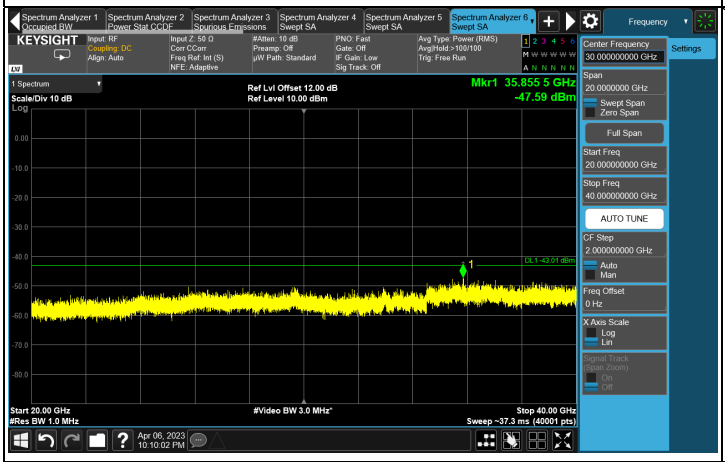


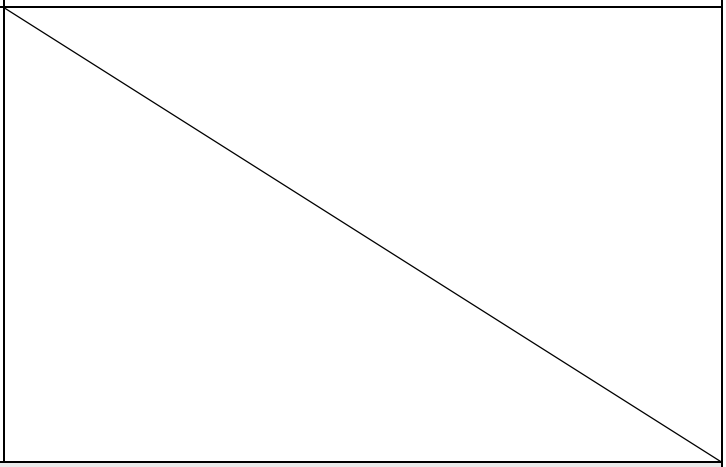
CH 645666 (3684.99 MHz)

Chain 1

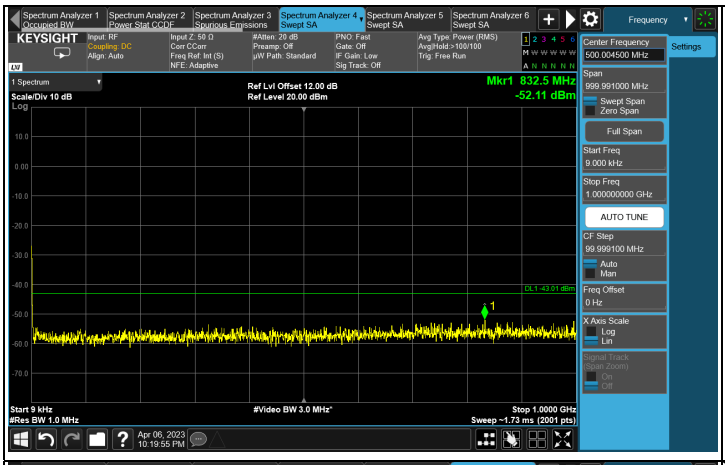


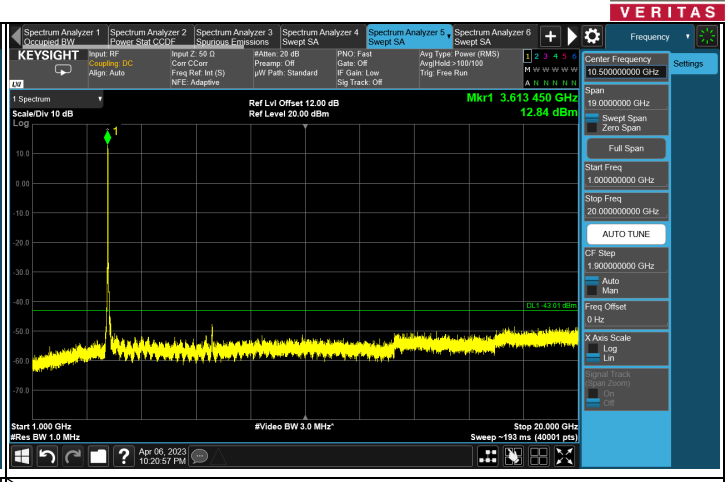


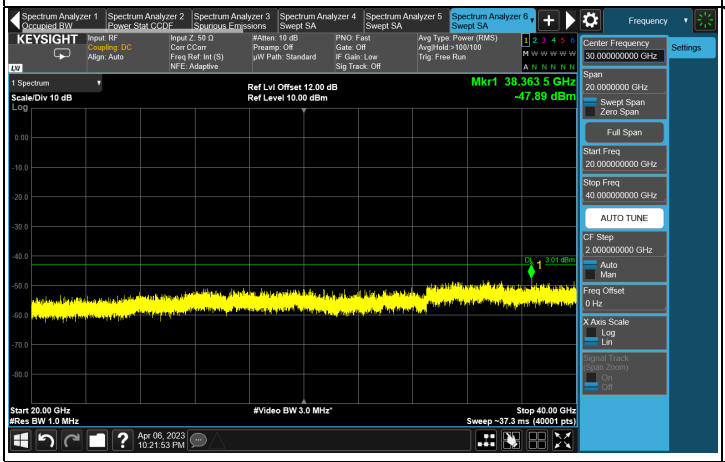




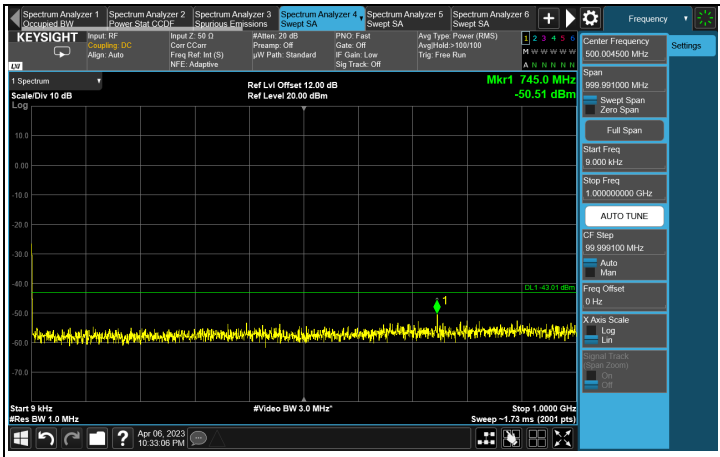
CH 637668 (3565.02 MHz)

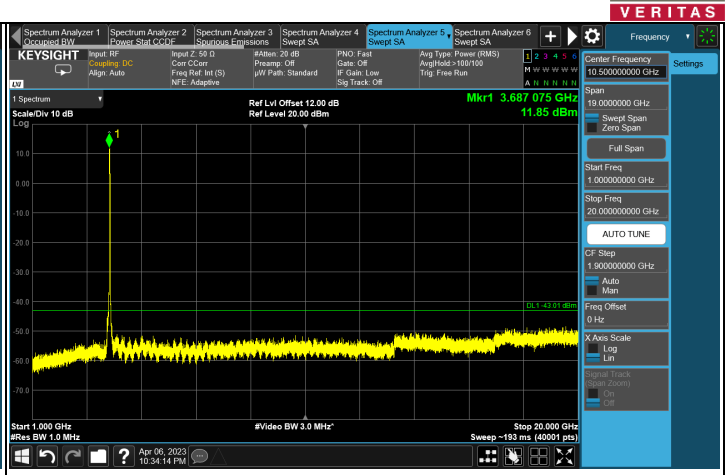


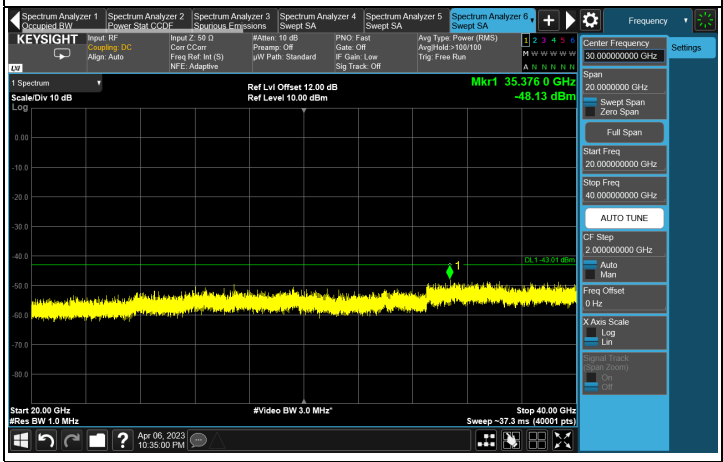




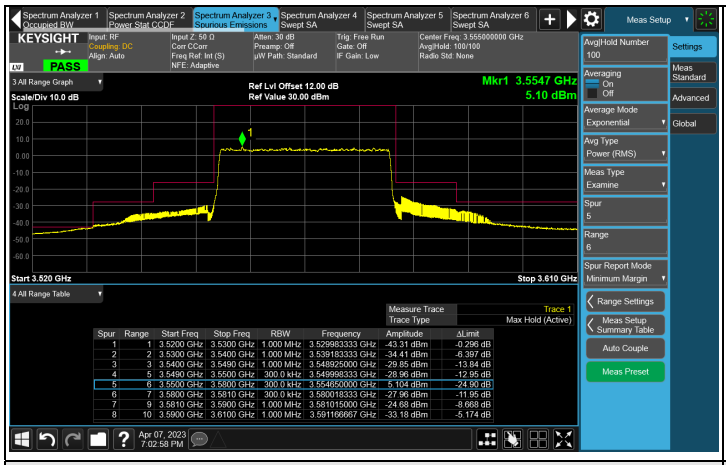
CH 641666 (3624.99 MHz)



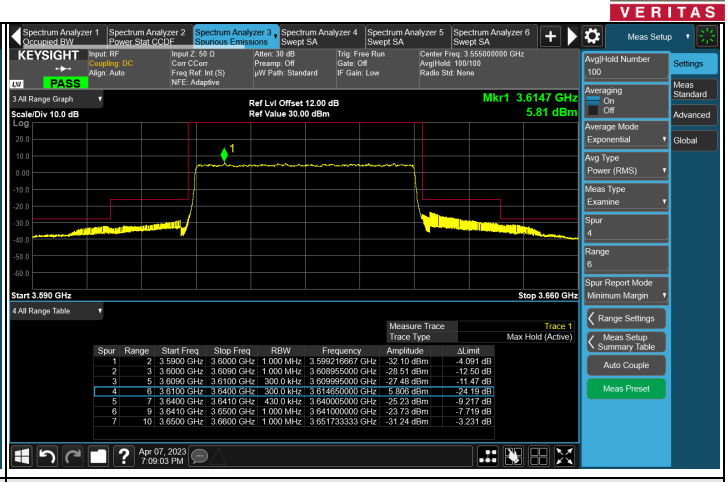




CH 645666 (3684.99 MHz)



CH 637668 (3565.02 MHz)

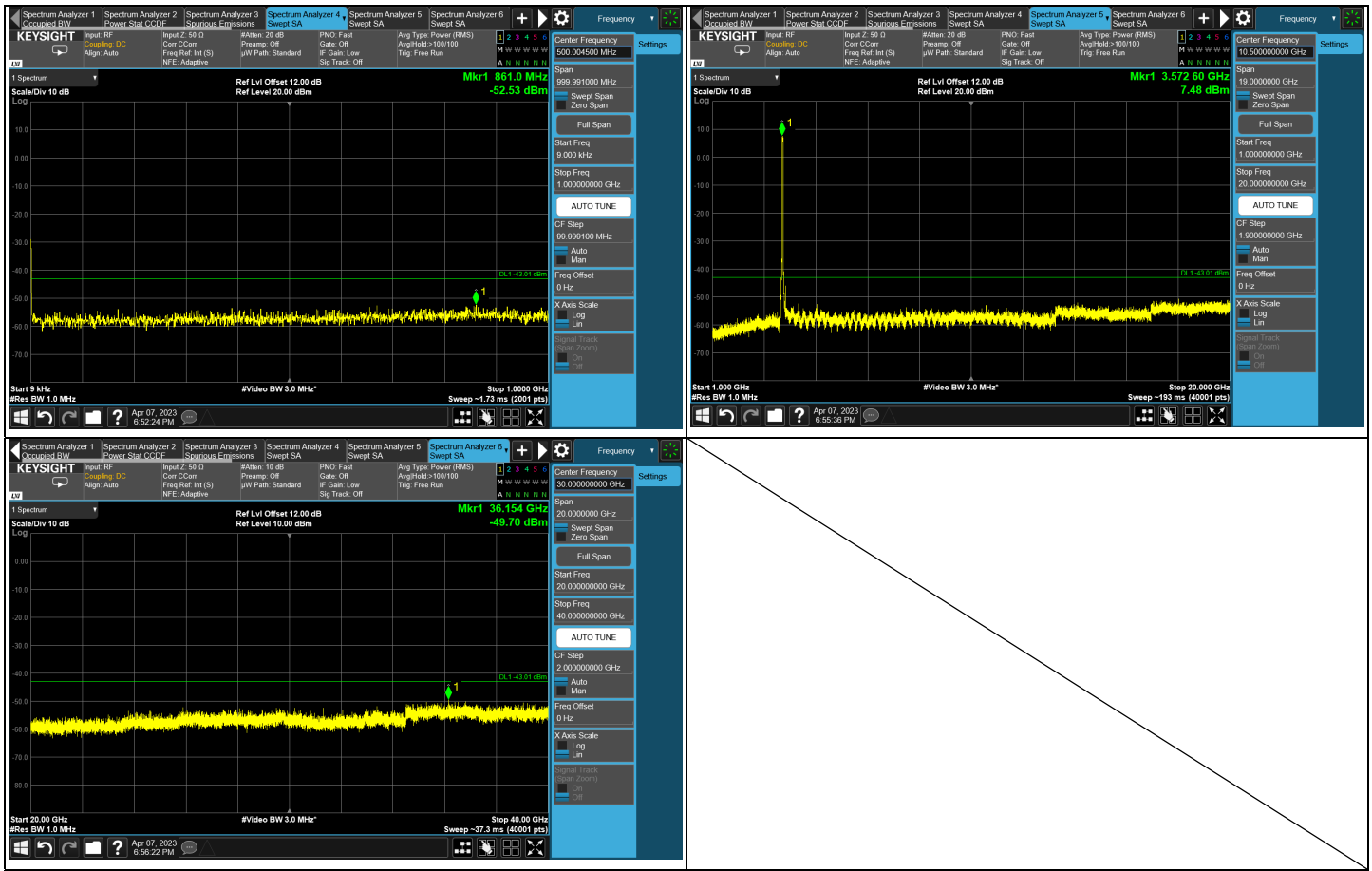


CH 641666 (3624.99 MHz)

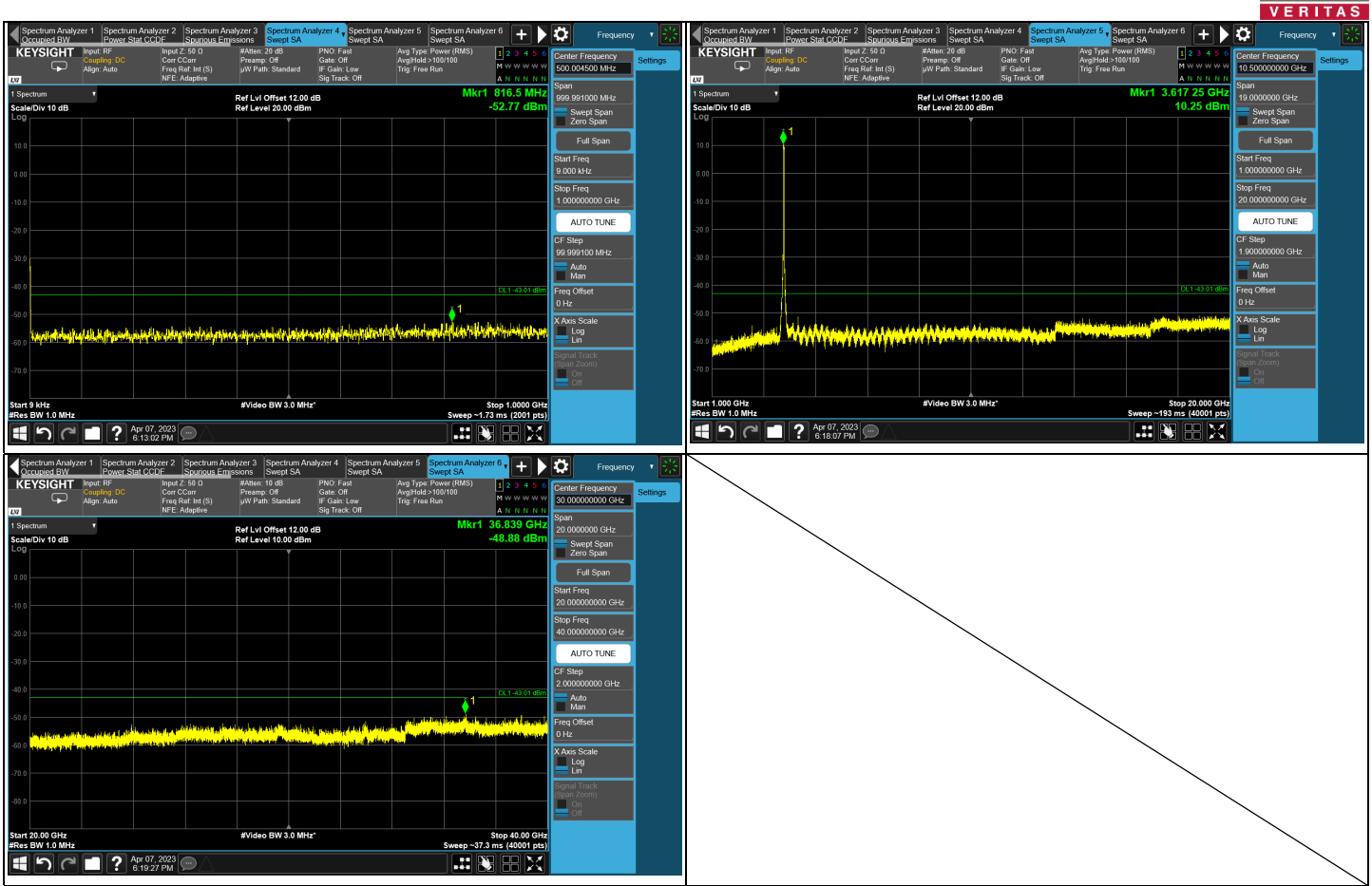
CH 645666 (3684.99 MHz)

NR n48 SCS 30 kHz, Channel Bandwidth: 40 MHz

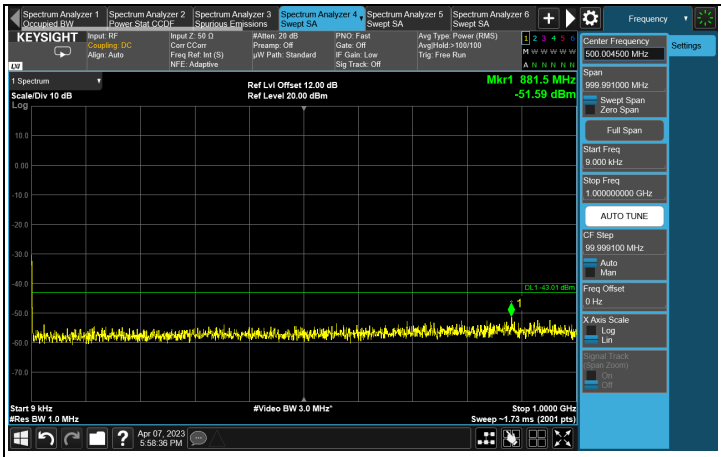
Chain 0

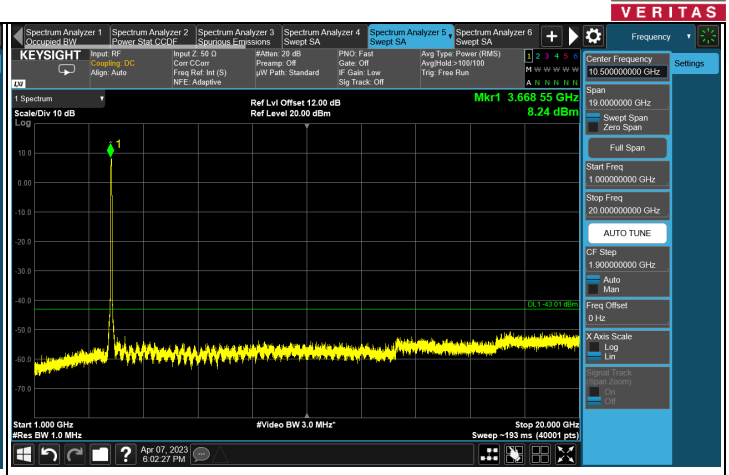


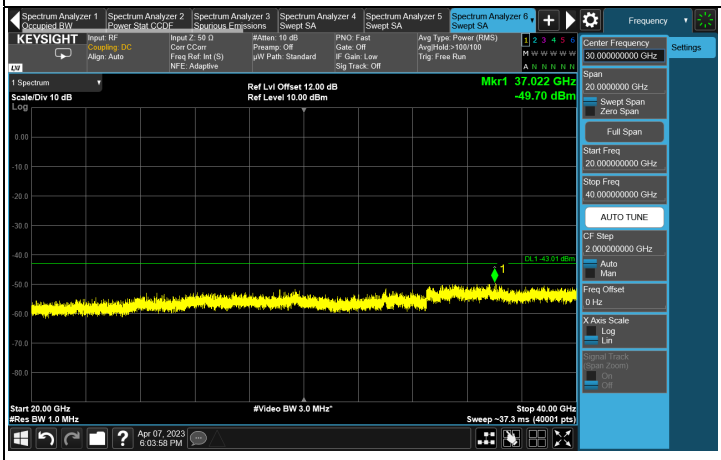
CH 638000 (3570 MHz)



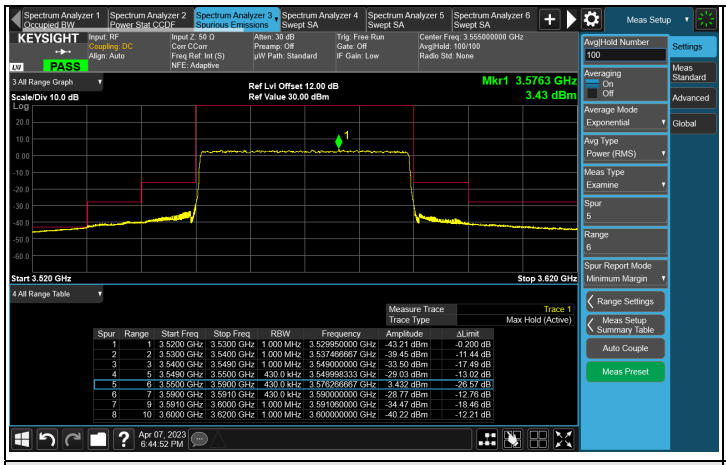
CH 641666 (3624.99 MHz)



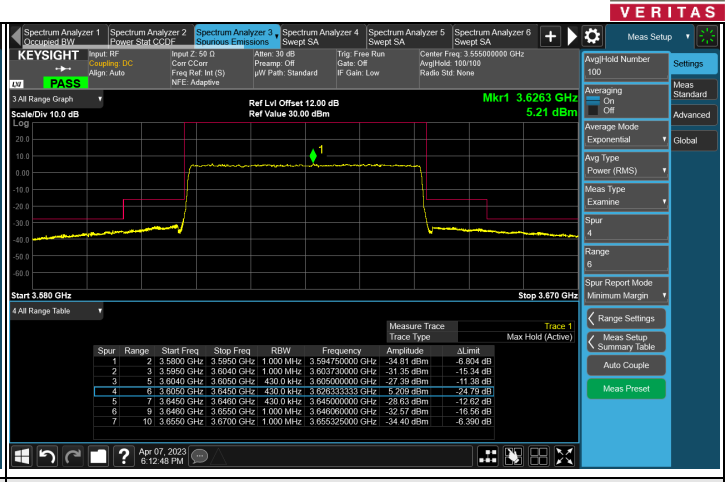




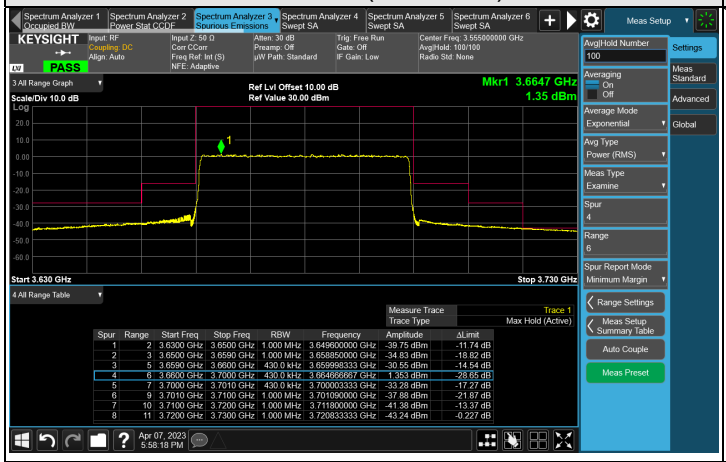
CH 645332 (3679.98 MHz)



CH 638000 (3570 MHz)

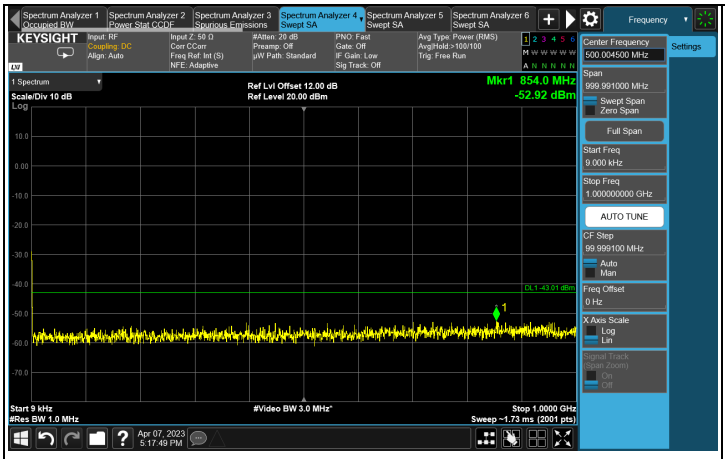


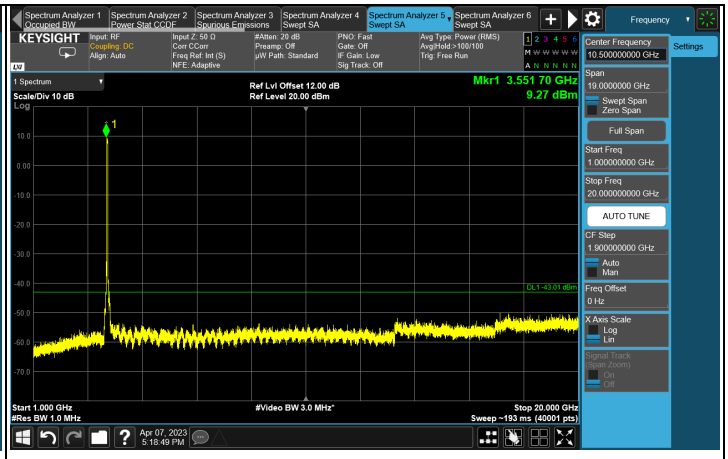
CH 641666 (3624.99 MHz)

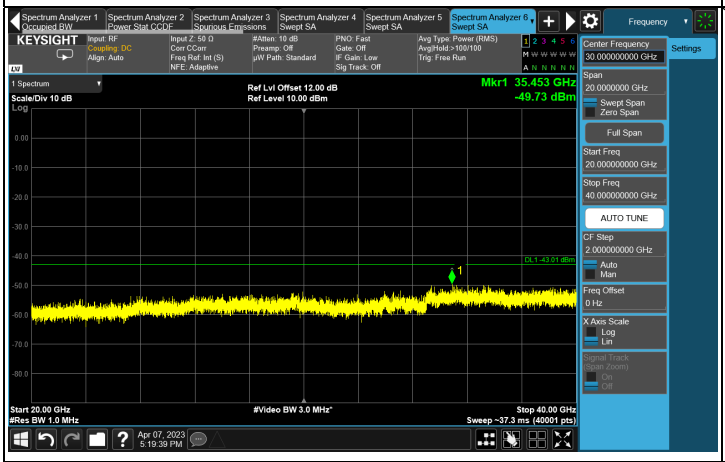


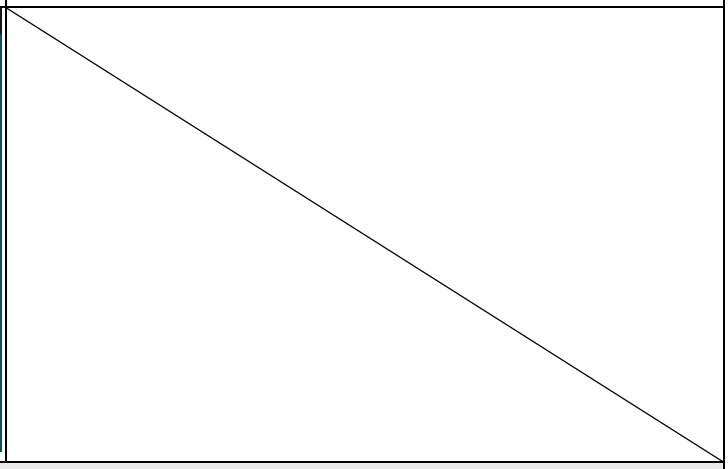
CH 645332 (3679.98 MHz)

Chain 1

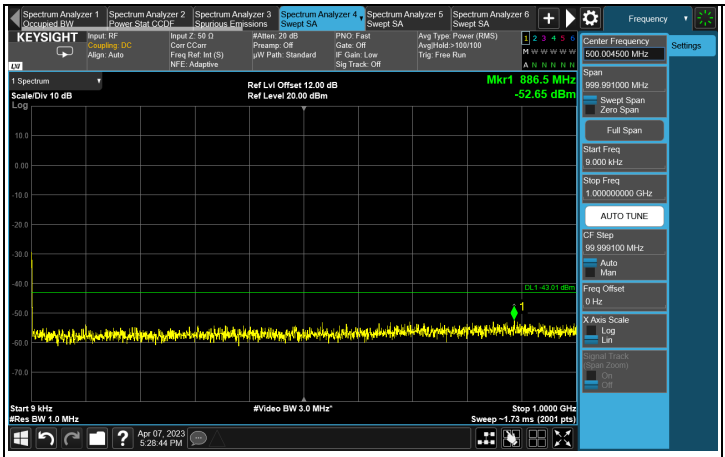


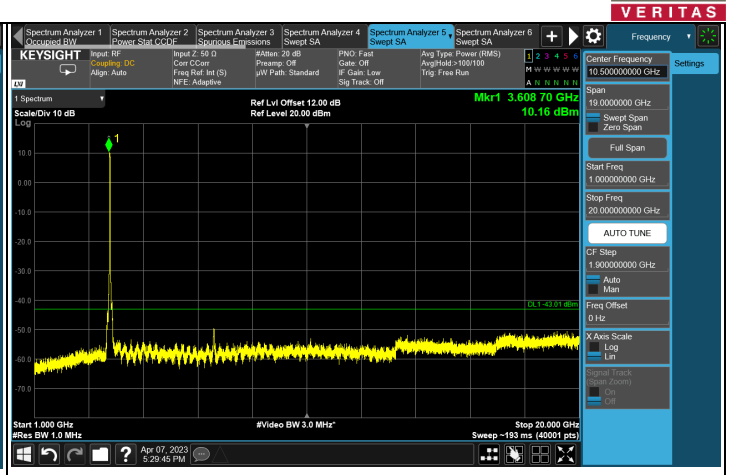


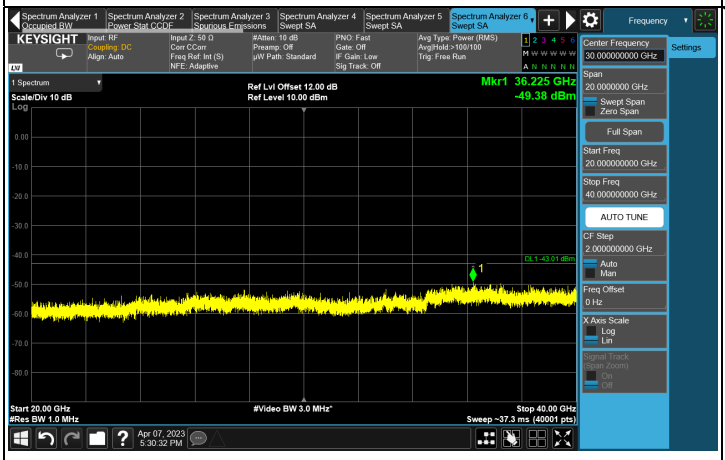




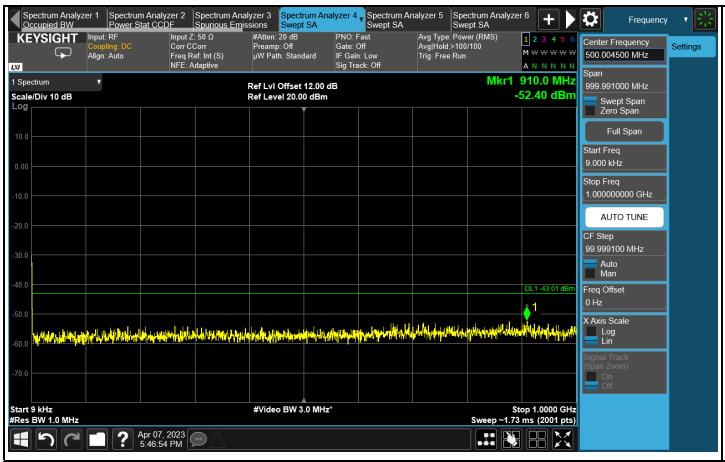
CH 638000 (3570 MHz)

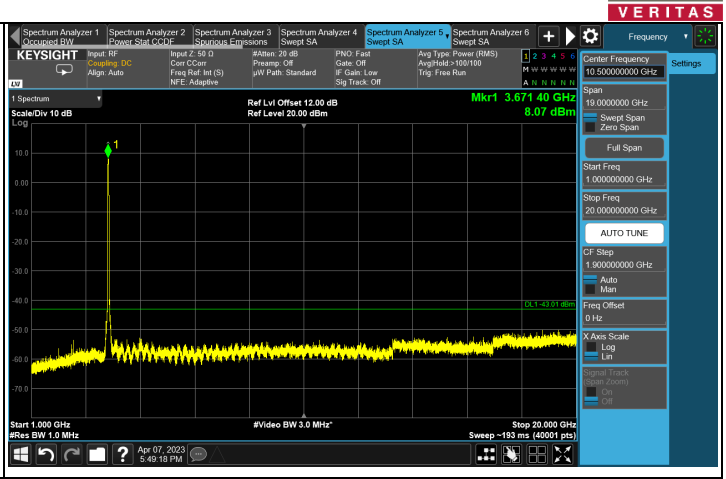


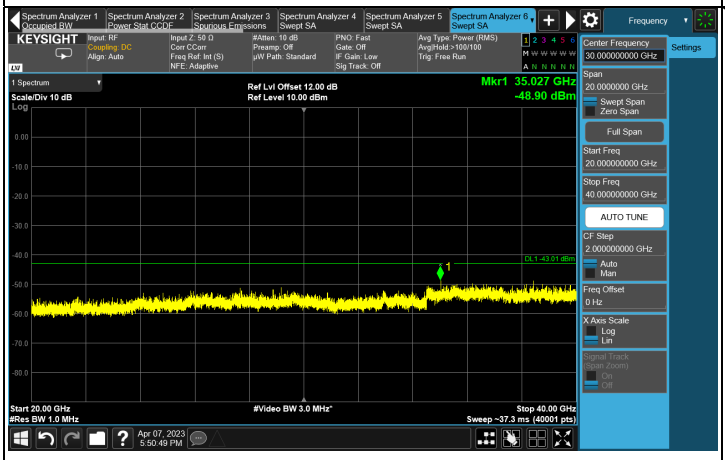


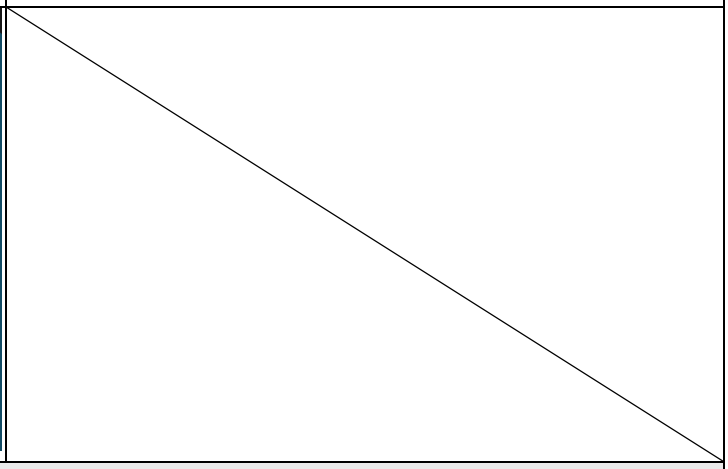


CH 641666 (3624.99 MHz)

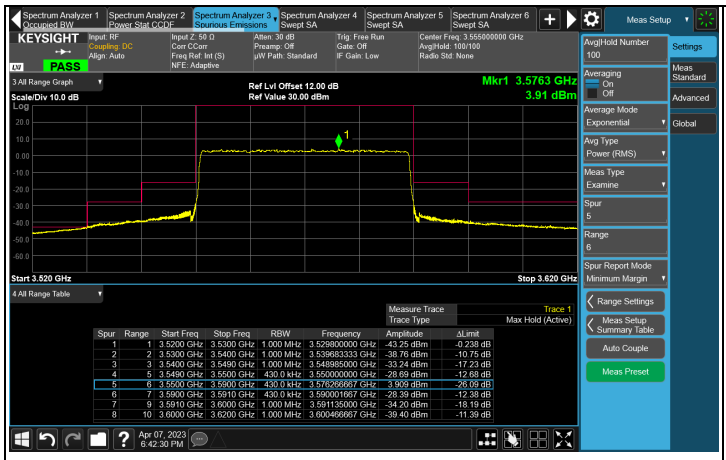




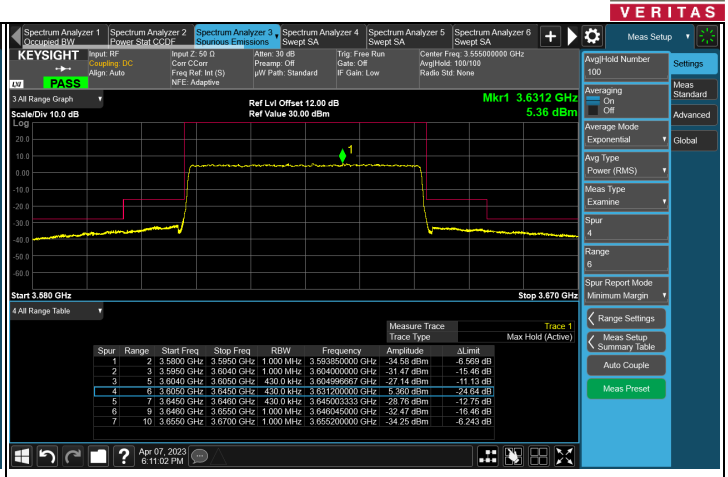




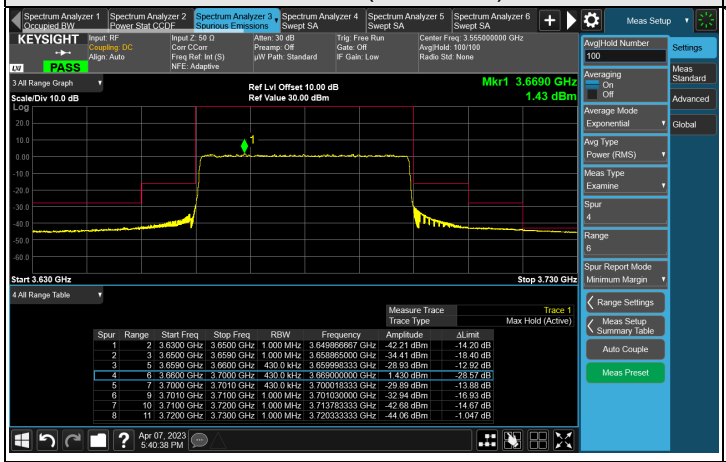
CH 645332 (3679.98 MHz)



CH 638000 (3570 MHz)



CH 641666 (3624.99 MHz)



CH 645332 (3679.98 MHz)

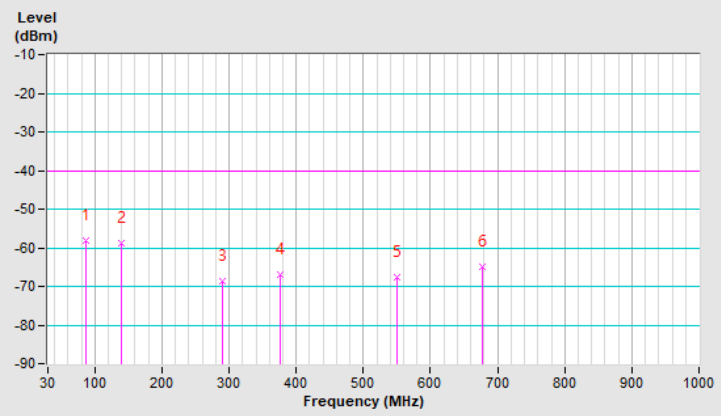
7.7 Radiated Spurious Emissions below 1GHz

RF Mode	NR n48 Channel Bandwidth: 40MHz	**Channel**	CH 641666：3624.99 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 76% RH
Tested By	Adair Peng	**Test Mode**	A

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	86.26	-58.11	-40.00	-18.11	1.99 H	3	-43.24	-14.87
2	138.64	-58.66	-40.00	-18.66	1.99 H	157	-48.85	-9.81
3	290.93	-68.55	-40.00	-28.55	1.00 H	193	-60.44	-8.11
4	375.32	-66.93	-40.00	-26.93	1.00 H	219	-60.41	-6.52
5	549.92	-67.60	-40.00	-27.60	1.49 H	191	-64.18	-3.42
6	677.96	-65.04	-40.00	-25.04	1.00 H	227	-64.49	-0.55

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 EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

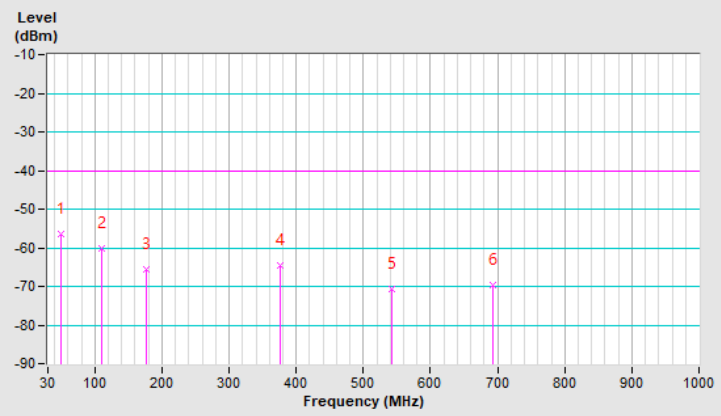


RF Mode	NR n48 Channel Bandwidth: 40MHz	**Channel**	CH 641666：3624.99 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 76% RH
Tested By	Adair Peng	**Test Mode**	A

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	50.37	-56.33	-40.00	-16.33	2.00 V	245	-46.85	-9.48
2	110.51	-60.24	-40.00	-20.24	1.00 V	55	-47.80	-12.44
3	177.44	-65.59	-40.00	-25.59	1.00 V	232	-55.37	-10.22
4	375.32	-64.51	-40.00	-24.51	1.50 V	227	-57.99	-6.52
5	543.13	-70.61	-40.00	-30.61	1.50 V	266	-67.08	-3.53
6	692.51	-69.50	-40.00	-29.50	1.00 V	185	-69.19	-0.31

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 EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

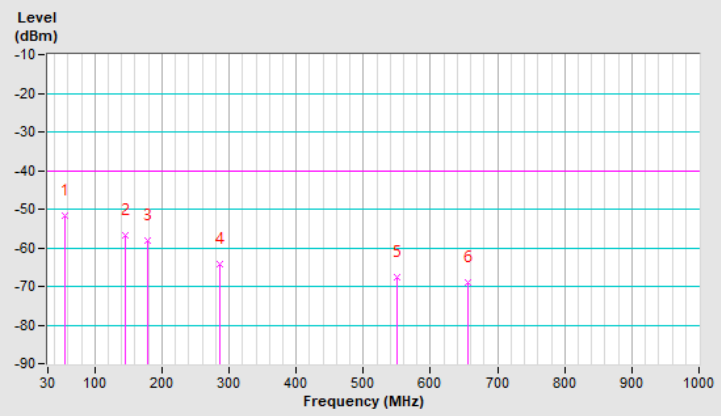


RF Mode	NR n48 Channel Bandwidth: 40MHz	**Channel**	CH 641666：3624.99 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 76% RH
Tested By	Adair Peng	**Test Mode**	B

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	**55.22**	**-51.61**	**-40.00**	**-11.61**	**1.01 H**	**256**	**-42.02**	**-9.59**
2	144.46	-56.62	-40.00	-16.62	1.51 H	267	-47.20	-9.42
3	178.41	-58.13	-40.00	-18.13	1.51 H	296	-47.80	-10.33
4	287.05	-64.28	-40.00	-24.28	1.01 H	280	-56.10	-8.18
5	550.89	-67.53	-40.00	-27.53	1.51 H	228	-64.13	-3.40
6	656.62	-68.99	-40.00	-28.99	2.00 H	39	-68.15	-0.84

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 EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

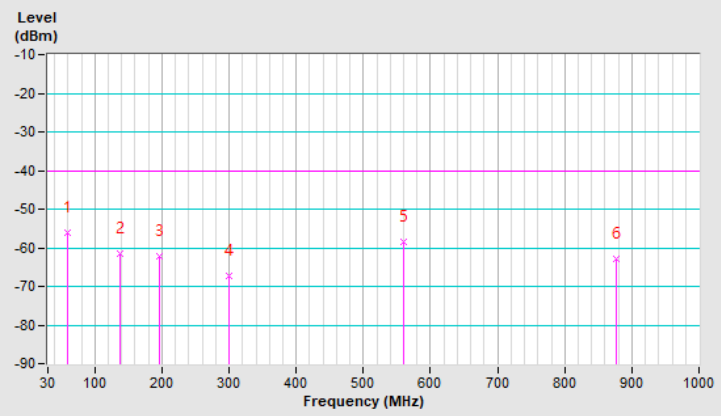


RF Mode	NR n48 Channel Bandwidth: 40MHz	**Channel**	CH 641666：3624.99 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 76% RH
Tested By	Adair Peng	**Test Mode**	B

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	59.10	-56.00	-40.00	-16.00	1.00 V	7	-46.07	-9.93
2	137.67	-61.59	-40.00	-21.59	1.00 V	216	-51.74	-9.85
3	196.84	-62.15	-40.00	-22.15	1.00 V	179	-50.06	-12.09
4	300.63	-67.27	-40.00	-27.27	1.50 V	168	-59.43	-7.84
5	559.62	-58.53	-40.00	-18.53	1.00 V	153	-55.37	-3.16
6	876.81	-63.02	-40.00	-23.02	1.99 V	208	-66.45	3.43

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 EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



7.8 Radiated Spurious Emissions above 1GHz

RF Mode	NR n48 Channel Bandwidth: 10MHz	**Channel**	CH 637000：3555.00 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 76% RH
Tested By	Adair Peng	**Test Mode**	A

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	7110.00	-51.28	-40.00	-11.28	1.61 H	323	33.70	-84.98
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	7110.00	-50.88	-40.00	-10.88	1.50 V	18	34.10	-84.98

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.

RF Mode	NR n48 Channel Bandwidth: 10MHz	**Channel**	CH 641666：3624.99 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 76% RH
Tested By	Adair Peng	**Test Mode**	A

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	7249.88	-44.79	-40.00	-4.79	1.65 H	325	39.71	-84.50
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	7249.88	-44.38	-40.00	-4.38	1.53 V	15	40.12	-84.50

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.

RF Mode	NR n48 Channel Bandwidth: 10MHz	**Channel**	CH 646332：3694.98 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 76% RH
Tested By	Adair Peng	**Test Mode**	A

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	7389.96	-51.07	-40.00	-11.07	1.64 H	320	33.41	-84.48
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	7389.96	-50.61	-40.00	-10.61	1.51 V	21	33.87	-84.48

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.

RF Mode	NR n48 Channel Bandwidth: 20MHz	**Channel**	CH 637334：3560.01 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 76% RH
Tested By	Adair Peng	**Test Mode**	A

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	7120.02	-49.47	-40.00	-9.47	1.63 H	325	35.51	-84.98
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	7120.02	-49.05	-40.00	-9.05	1.52 V	17	35.93	-84.98

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.

RF Mode	NR n48 Channel Bandwidth: 20MHz	**Channel**	CH 641666：3624.99 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 76% RH
Tested By	Adair Peng	**Test Mode**	A

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	7249.98	-43.08	-40.00	-3.08	1.67 H	330	41.42	-84.50
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	7249.98	-42.62	-40.00	-2.62	1.64 V	15	41.88	-84.50

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.

RF Mode	NR n48 Channel Bandwidth: 20MHz	**Channel**	CH 646000：3690.00 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 76% RH
Tested By	Adair Peng	**Test Mode**	A

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	7380.00	-50.20	-40.00	-10.20	1.69 H	336	34.29	-84.49
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	7380.00	-49.74	-40.00	-9.74	1.48 V	2	34.75	-84.49

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.

RF Mode	NR n48 Channel Bandwidth: 40MHz	**Channel**	CH 638000：3570.00 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 76% RH
Tested By	Adair Peng	**Test Mode**	A

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	7140.00	-48.72	-40.00	-8.72	1.69 H	327	36.24	-84.96
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	7140.00	-48.27	-40.00	-8.27	1.74 V	19	36.69	-84.96

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.

RF Mode	NR n48 Channel Bandwidth: 40MHz	**Channel**	CH 641666：3624.99 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 76% RH
Tested By	Adair Peng	**Test Mode**	A

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	7249.98	-40.63	-40.00	-0.63	1.75 H	330	43.87	-84.50
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	**7249.98**	**-40.17**	**-40.00**	**-0.17**	**2.92 V**	**13**	**44.33**	**-84.50**

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.

RF Mode	NR n48 Channel Bandwidth: 40MHz	**Channel**	CH 645332：3679.98 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23°C, 76% RH
Tested By	Adair Peng	**Test Mode**	A

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	7359.96	-50.11	-40.00	-10.11	2.52 H	15	34.39	-84.50
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	7359.96	-49.63	-40.00	-9.63	2.52 V	15	34.87	-84.50

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.

7.9 Frequency Stability

Environmental Conditions:	25°C, 60% RH	Tested By:	Ted Chang

NR n48 SCS 30 kHz, Channel Bandwidth: 10 MHz

Chain 0

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 637000 (3555 MHz)		CH 646333 (3694.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
120.0	3554.999997	-0.000844	3694.980002	0.000541
102.0	3554.999997	-0.000844	3694.980001	0.000271
132.0	3555.000002	0.000563	3694.980002	0.000541

Note: The applicant defined the normal working voltage is from 102 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 637000 (3555 MHz)		CH 646333 (3694.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3554.999997	-0.000844	3694.979999	-0.000271
-20	3554.999996	-0.001125	3694.979996	-0.001083
-10	3555.000001	0.000281	3694.980003	0.000812
0	3555.000002	0.000563	3694.980002	0.000541
10	3555.000003	0.000844	3694.979999	-0.000271
20	3555.000002	0.000563	3694.979999	-0.000271
30	3555.000002	0.000563	3694.979999	-0.000271
40	3555.000001	0.000281	3694.980004	0.001083
50	3554.999999	-0.000281	3694.980001	0.000271

Chain 1

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 637000 (3555 MHz)		CH 646333 (3694.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
120.0	3554.999997	-0.000844	3694.979997	-0.000812
102.0	3555.000003	0.000844	3694.980001	0.000271
132.0	3554.999998	-0.000563	3694.979997	-0.000812

Note: The applicant defined the normal working voltage is from 102 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 637000 (3555 MHz)		CH 646333 (3694.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3554.999996	-0.001125	3694.980002	0.000541
-20	3555.000003	0.000844	3694.979998	-0.000541
-10	3555.000001	0.000281	3694.979998	-0.000541
0	3554.999997	-0.000844	3694.980003	0.000812
10	3555.000003	0.000844	3694.980003	0.000812
20	3555.000004	0.001125	3694.979998	-0.000541
30	3555.000004	0.001125	3694.980003	0.000812
40	3555.000002	0.000563	3694.979998	-0.000541
50	3554.999998	-0.000563	3694.979999	-0.000271

NR n48 SCS 30 kHz, Channel Bandwidth: 20 MHz

Chain 0

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 637334 (3560.01 MHz)		CH 646000 (3690 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
120.0	3560.010001	0.000281	3689.999997	-0.000813
102.0	3560.009997	-0.000843	3689.999999	-0.000271
132.0	3560.010002	0.000562	3689.999997	-0.000813

Note: The applicant defined the normal working voltage is from 102 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 637334 (3560.01 MHz)		CH 646000 (3690 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3560.009998	-0.000562	3689.999998	-0.000542
-20	3560.009997	-0.000843	3690.000001	0.000271
-10	3560.009998	-0.000562	3690.000003	0.000813
0	3560.010003	0.000843	3690.000003	0.000813
10	3560.009999	-0.000281	3689.999999	-0.000271
20	3560.009999	-0.000281	3689.999998	-0.000542
30	3560.009996	-0.001124	3689.999997	-0.000813
40	3560.009996	-0.001124	3690.000003	0.000813
50	3560.010004	0.001124	3690.000003	0.000813

Chain 1

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 637334 (3560.01 MHz)		CH 646000 (3690 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
120.0	3560.009996	-0.001124	3689.999998	-0.000542
102.0	3560.010003	0.000843	3690.000002	0.000542
132.0	3560.010002	0.000562	3690.000004	0.001084

Note: The applicant defined the normal working voltage is from 102 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 637334 (3560.01 MHz)		CH 646000 (3690 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3560.009997	-0.000843	3690.000003	0.000813
-20	3560.010001	0.000281	3689.999996	-0.001084
-10	3560.009996	-0.001124	3689.999996	-0.001084
0	3560.009996	-0.001124	3690.000003	0.000813
10	3560.009996	-0.001124	3690.000003	0.000813
20	3560.009998	-0.000562	3689.999999	-0.000271
30	3560.010004	0.001124	3689.999998	-0.000542
40	3560.010002	0.000562	3690.000003	0.000813
50	3560.009998	-0.000562	3690.000002	0.000542

NR n48 SCS 30 kHz, Channel Bandwidth: 30 MHz

Chain 0

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 637668 (3565.02 MHz)		CH 645666 (3684.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
120.0	3565.019996	-0.001122	3684.989998	-0.000543
102.0	3565.019996	-0.001122	3684.990004	0.001085
132.0	3565.019996	-0.001122	3684.989999	-0.000271

Note: The applicant defined the normal working voltage is from 102 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 637668 (3565.02 MHz)		CH 645666 (3684.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3565.019997	-0.000842	3684.989996	-0.001085
-20	3565.019999	-0.000281	3684.990004	0.001085
-10	3565.020001	0.000281	3684.990004	0.001085
0	3565.019999	-0.000281	3684.989999	-0.000271
10	3565.020003	0.000842	3684.990004	0.001085
20	3565.020002	0.000561	3684.989999	-0.000271
30	3565.019999	-0.000281	3684.990001	0.000271
40	3565.019997	-0.000842	3684.990001	0.000271
50	3565.020004	0.001122	3684.990001	0.000271

Chain 1

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 637668 (3565.02 MHz)		CH 645666 (3684.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
120.0	3565.019996	-0.001122	3684.989999	-0.000271
102.0	3565.020003	0.000842	3684.990002	0.000543
132.0	3565.019997	-0.000842	3684.990003	0.000814

Note: The applicant defined the normal working voltage is from 102 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 637668 (3565.02 MHz)		CH 645666 (3684.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3565.019998	-0.000561	3684.990001	0.000271
-20	3565.020004	0.001122	3684.990002	0.000543
-10	3565.019998	-0.000561	3684.990003	0.000814
0	3565.020004	0.001122	3684.989996	-0.001085
10	3565.019997	-0.000842	3684.989999	-0.000271
20	3565.020001	0.000281	3684.989998	-0.000543
30	3565.019997	-0.000842	3684.990003	0.000814
40	3565.019999	-0.000281	3684.989996	-0.001085
50	3565.020001	0.000281	3684.990001	0.000271

NR n48 SCS 30 kHz, Channel Bandwidth: 40 MHz

Chain 0

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 638000 (3570 MHz)		CH 645332 (3679.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
120.0	3569.999998	-0.000560	3679.979999	-0.000272
102.0	3569.999996	-0.001120	3679.980004	0.001087
132.0	3569.999997	-0.000840	3679.980002	0.000543

Note: The applicant defined the normal working voltage is from 102 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 638000 (3570 MHz)		CH 645332 (3679.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3569.999997	-0.000840	3679.980002	0.000543
-20	3570.000004	0.001120	3679.979998	-0.000543
-10	3570.000001	0.000280	3679.980004	0.001087
0	3570.000003	0.000840	3679.980004	0.001087
10	3569.999996	-0.001120	3679.980002	0.000543
20	3570.000004	0.001120	3679.979998	-0.000543
30	3569.999997	-0.000840	3679.979997	-0.000815
40	3570.000001	0.000280	3679.979996	-0.001087
50	3570.000001	0.000280	3679.980003	0.000815

Chain 1

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 638000 (3570 MHz)		CH 645332 (3679.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
120.0	3560.009996	-0.001120	3679.979998	-0.000543
102.0	3560.009997	-0.000840	3679.979998	-0.000543
132.0	3560.009996	-0.001120	3679.980004	0.001087

Note: The applicant defined the normal working voltage is from 102 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 638000 (3570 MHz)		CH 645332 (3679.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3560.010004	0.001120	3679.980002	0.000543
-20	3560.009997	-0.000840	3679.980001	0.000272
-10	3560.010004	0.001120	3679.980002	0.000543
0	3560.010001	0.000280	3679.979998	-0.000543
10	3560.010002	0.000560	3679.979996	-0.001087
20	3560.010002	0.000560	3679.979996	-0.001087
30	3560.009999	-0.000280	3679.979996	-0.001087
40	3560.009997	-0.000840	3679.979996	-0.001087
50	3560.009998	-0.000560	3679.980001	0.000272

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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The address and road map of all our labs can be found in our web site also.

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