



### NR n78 SCS 30 kHz, Channel Bandwidth: 50 MHz



Channel 631668(3475.02 MHz)

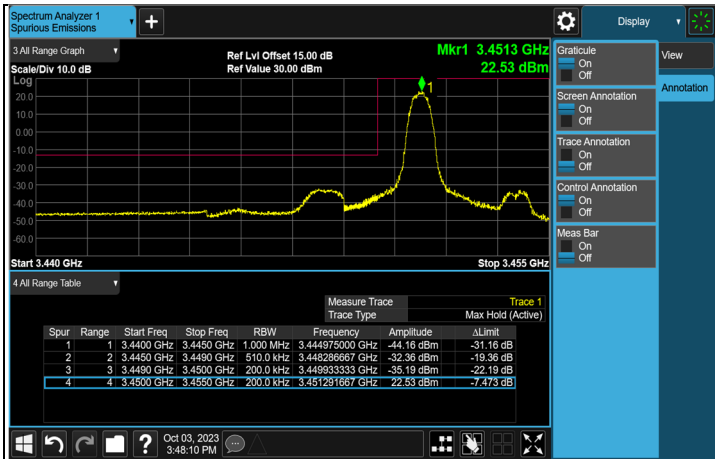


Channel 633334 (3500.01 MHz)

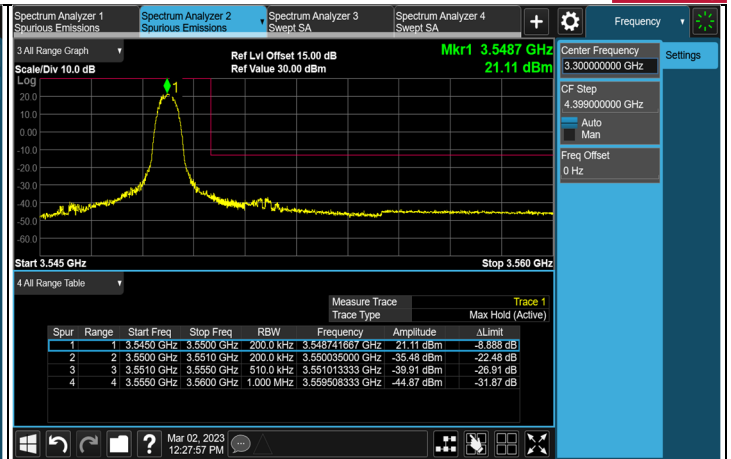


Channel 6350000 (3525MHz)

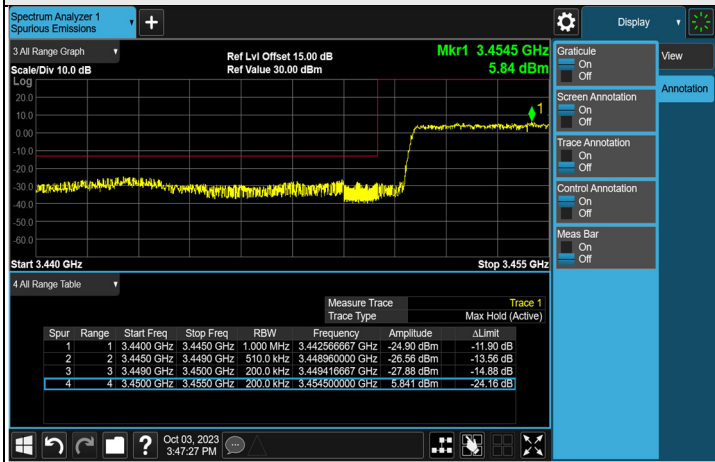
\*The 9kHz signal over the limit is from Spectrum.



1RB CH 631668 (3475.02 MHz)



1RB CH 635000 (3525.00 MHz)



FULL CH 631668 (3475.02 MHz)



FULL CH 635000 (3525.00 MHz)



### NR n78 SCS 30 kHz, Channel Bandwidth: 60 MHz



### Channel 632000 (3480 MHz)

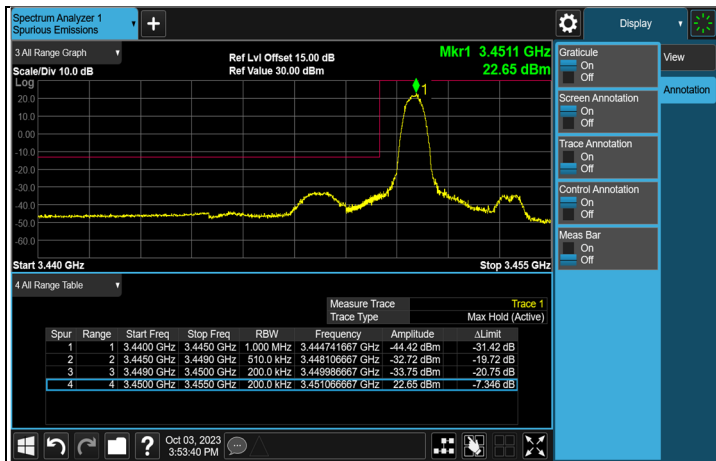


### Channel 633334 (3500.01 MHz)

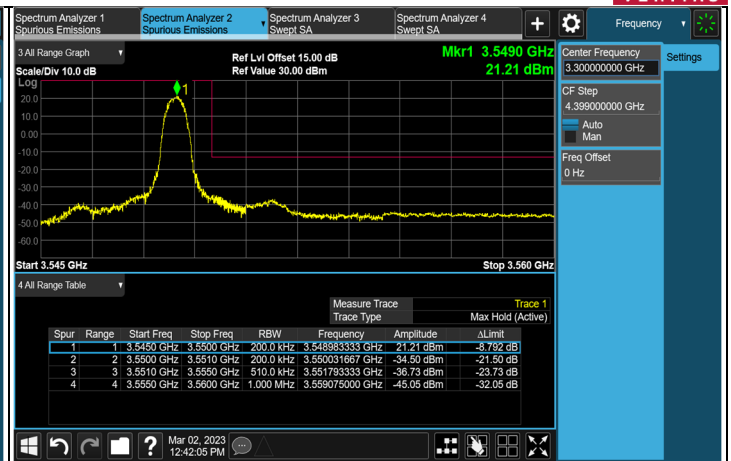


### Channel 634666 (3519.99 MHz)

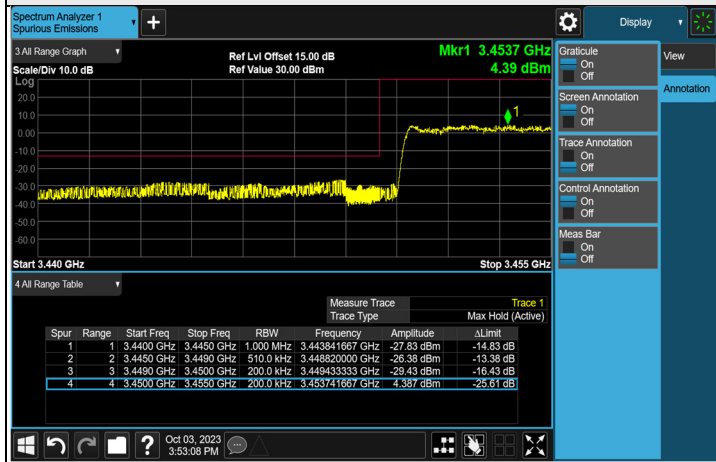
\*The 9kHz signal over the limit is from Spectrum.



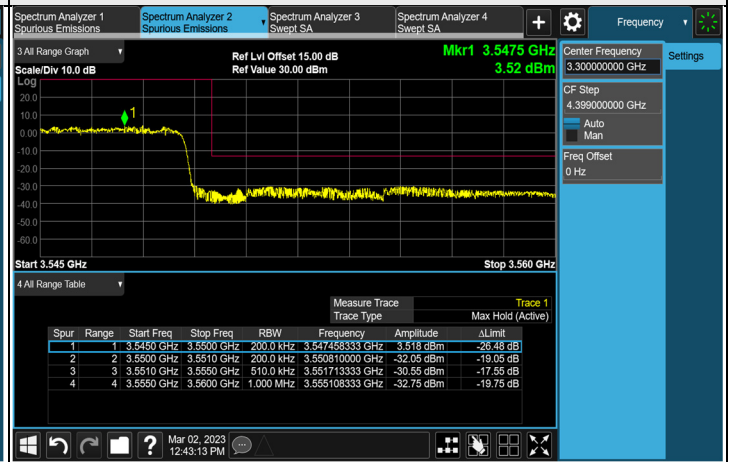
1RB CH 632000 (3480.00 MHz)



1RB CH 634666 (3519.99 MHz)



FULL CH 632000 (3480.00 MHz)



FULL CH 634666 (3519.99 MHz)

## 7.6 Radiated Spurious Emissions below 1GHz

### 7.6.1 NR n2 SCS 15 kHz

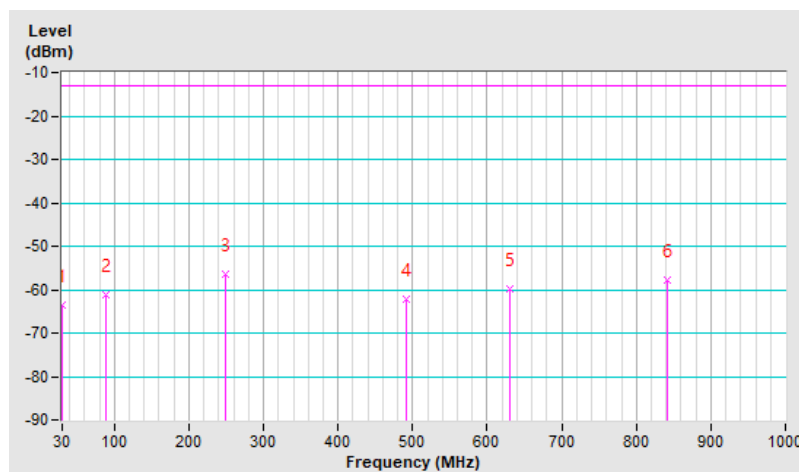
<b>RF Mode</b>	NR n2 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 370500 : 1852.5 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

#### 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	30.97	-63.64	-13.00	-50.64	1.49 H	138	46.25	-109.89
2	89.17	-61.35	-13.00	-48.35	1.00 H	263	52.95	-114.30
3	249.22	-56.59	-13.00	-43.59	1.00 H	2	53.25	-109.84
4	490.75	-62.33	-13.00	-49.33	1.00 H	2	40.97	-103.30
5	629.46	-59.88	-13.00	-46.88	1.49 H	90	40.56	-100.44
6	840.92	-57.75	-13.00	-44.75	1.00 H	239	39.41	-97.16

#### Remarks:

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
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.

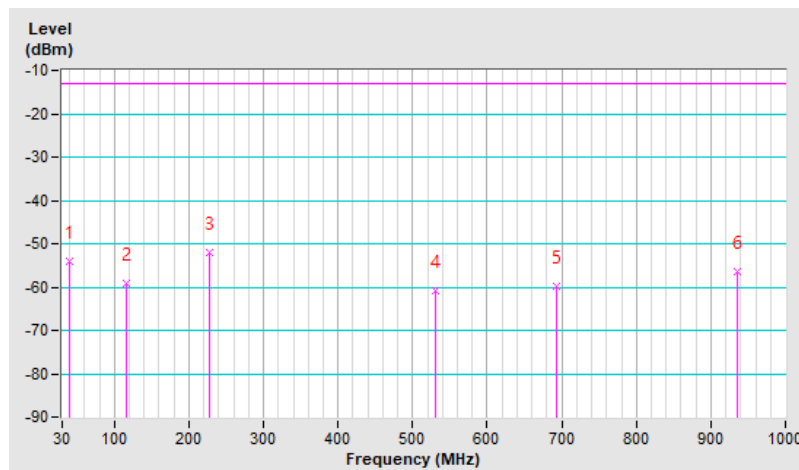


<b>RF Mode</b>	NR n2 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 370500 : 1852.5 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	40.67	-53.96	-13.00	-40.96	1.01 V	114	54.87	-108.83
2	116.33	-59.00	-13.00	-46.00	1.50 V	208	51.88	-110.88
3	227.88	-52.17	-13.00	-39.17	1.01 V	250	59.20	-111.37
4	530.52	-61.01	-13.00	-48.01	1.01 V	110	41.59	-102.60
5	692.51	-59.70	-13.00	-46.70	1.01 V	110	39.78	-99.48
6	935.01	-56.38	-13.00	-43.38	1.01 V	50	39.76	-96.14

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
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.



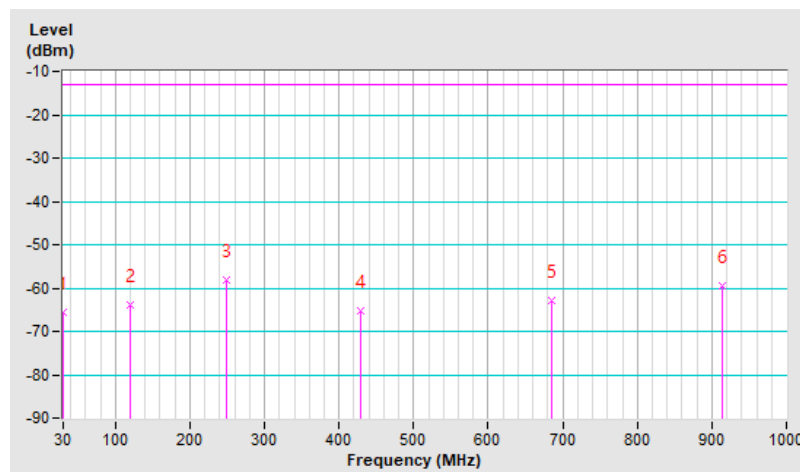
## 7.6.2 NR n5 SCS 15 kHz

<b>RF Mode</b>	NR n5 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 167300 : 836.5 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	30.97	-65.62	-13.00	-52.62	1.01 H	164	46.42	-112.04
2	120.21	-63.94	-13.00	-50.94	1.50 H	102	48.77	-112.71
3	248.25	-58.06	-13.00	-45.06	1.01 H	355	53.95	-112.01
4	428.67	-65.20	-13.00	-52.20	1.01 H	146	41.65	-106.85
5	685.72	-62.98	-13.00	-49.98	1.50 H	200	38.81	-101.79
6	914.64	-59.35	-13.00	-46.35	1.01 H	358	39.19	-98.54

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- 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.

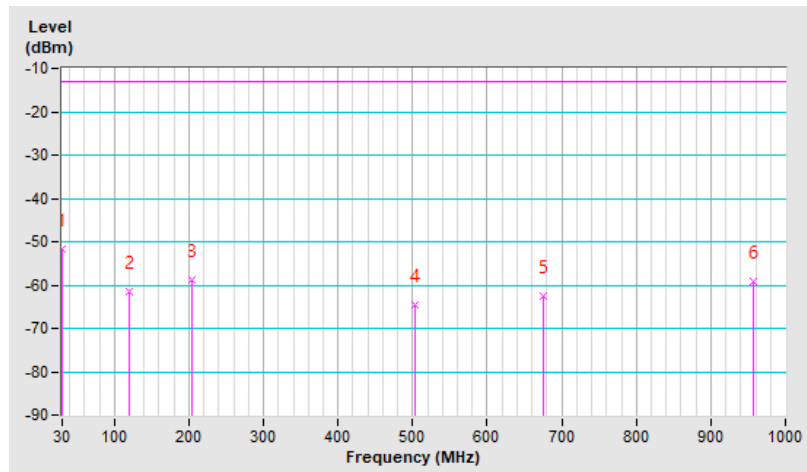


<b>RF Mode</b>	NR n5 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 167300 : 836.5 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	30.97	-51.75	-13.00	-38.75	1.00 V	264	60.29	-112.04
2	119.24	-61.68	-13.00	-48.68	1.00 V	228	51.11	-112.79
3	204.60	-58.90	-13.00	-45.90	1.25 V	180	55.42	-114.32
4	502.39	-64.54	-13.00	-51.54	1.00 V	118	40.75	-105.29
5	676.02	-62.60	-13.00	-49.60	1.00 V	211	39.36	-101.96
6	956.35	-59.05	-13.00	-46.05	1.49 V	345	38.86	-97.91

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- 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.





## 7.6.3 NR n41 SCS 30 kHz

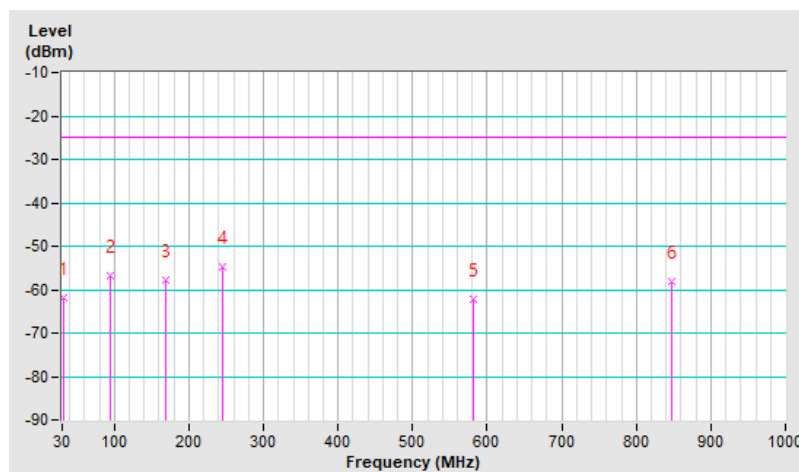
<b>RF Mode</b>	NR n41 Channel Bandwidth: 50MHz	<b>Channel</b>	CH 518598 : 2592.99 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

## Antenna Polarity &amp; 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	32.91	-61.98	-25.00	-36.98	1.49 H	18	47.72	-109.70
2	94.02	-56.73	-25.00	-31.73	1.49 H	248	57.14	-113.87
3	169.68	-57.77	-25.00	-32.77	1.49 H	319	51.00	-108.77
4	244.37	-54.58	-25.00	-29.58	1.00 H	10	55.36	-109.94
5	581.93	-62.23	-25.00	-37.23	1.49 H	1	39.18	-101.41
6	846.74	-58.21	-25.00	-33.21	1.49 H	22	38.95	-97.16

## Remarks:

- EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
- Margin value = EIRP – Limit value
- The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- 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.

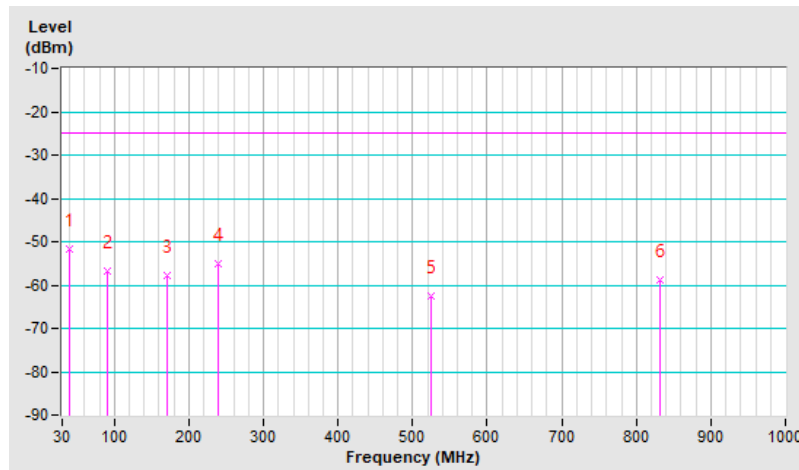


<b>RF Mode</b>	NR n41 Channel Bandwidth: 50MHz	<b>Channel</b>	CH 518598 : 2592.99 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	39.70	-51.84	-25.00	-26.84	1.25 V	193	57.14	-108.98
2	91.11	-56.82	-25.00	-31.82	1.01 V	282	57.40	-114.22
3	171.62	-57.82	-25.00	-32.82	1.01 V	115	51.07	-108.89
4	239.52	-54.96	-25.00	-29.96	1.50 V	200	55.15	-110.11
5	524.70	-62.61	-25.00	-37.61	1.01 V	139	40.07	-102.68
6	832.19	-58.81	-25.00	-33.81	2.00 V	319	38.49	-97.30

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
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.



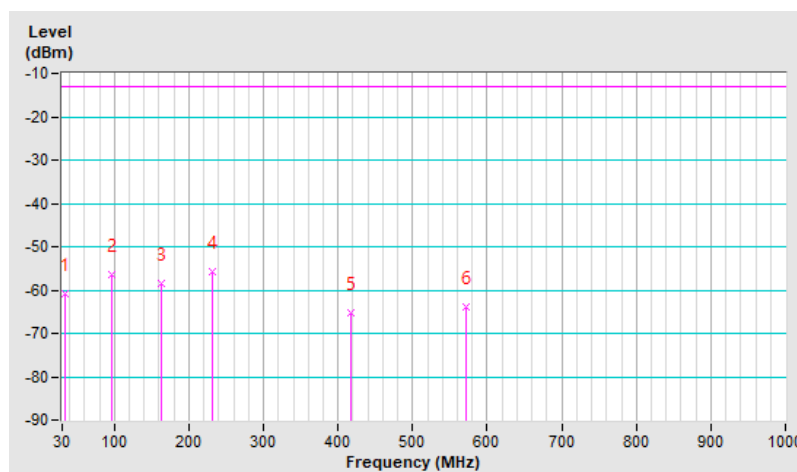
**7.6.4 NR n71 SCS 15 kHz**

<b>RF Mode</b>	NR n71 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 133100 : 665.5 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	33.88	-60.79	-13.00	-47.79	1.01 H	159	50.77	-111.56
2	95.96	-56.41	-13.00	-43.41	1.50 H	249	59.32	-115.73
3	163.86	-58.41	-13.00	-45.41	1.50 H	315	52.18	-110.59
4	231.76	-55.90	-13.00	-42.90	1.50 H	4	57.04	-112.94
5	417.03	-65.15	-13.00	-52.15	1.01 H	143	42.16	-107.31
6	571.26	-63.77	-13.00	-50.77	1.01 H	18	40.16	-103.93

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- 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.

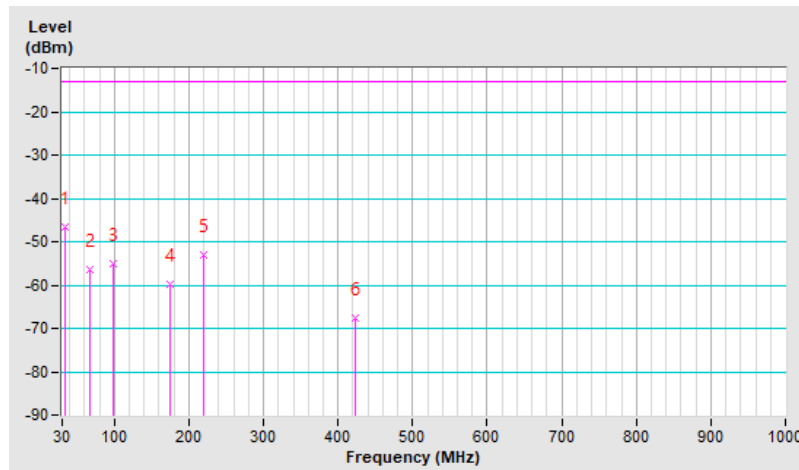


<b>RF Mode</b>	NR n71 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 133100 : 665.5 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	33.88	-46.70	-13.00	-33.70	1.00 V	354	64.86	-111.56
2	66.86	-56.47	-13.00	-43.47	1.00 V	214	55.98	-112.45
3	97.90	-55.20	-13.00	-42.20	1.00 V	299	60.26	-115.46
4	175.50	-59.69	-13.00	-46.69	1.00 V	111	51.79	-111.48
5	220.12	-52.91	-13.00	-39.91	1.00 V	232	61.30	-114.21
6	422.85	-67.60	-13.00	-54.60	1.49 V	233	39.50	-107.10

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- 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.



## 7.6.5 NR n77 (3450-3550 MHz) SCS 30 kHz

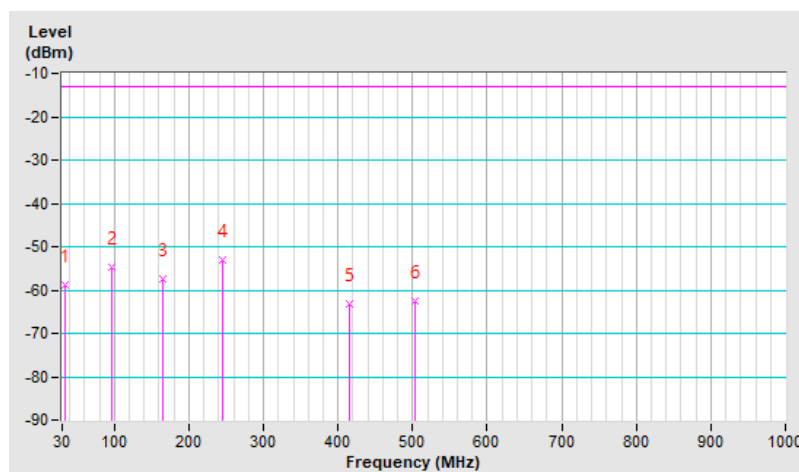
<b>RF Mode</b>	NR n77 Channel Bandwidth: 50MHz	<b>Channel</b>	CH 635000 : 3525 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

**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	33.88	-58.89	-13.00	-45.89	1.49 H	173	50.52	-109.41
2	96.93	-54.79	-13.00	-41.79	1.49 H	271	58.85	-113.64
3	164.83	-57.53	-13.00	-44.53	1.49 H	329	51.02	-108.55
4	245.34	-53.19	-13.00	-40.19	1.00 H	355	56.72	-109.91
5	416.06	-63.11	-13.00	-50.11	1.00 H	161	42.08	-105.19
6	503.36	-62.50	-13.00	-49.50	1.49 H	229	40.62	-103.12

**Remarks:**

- EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
- Margin value = EIRP – Limit value
- The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- 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.

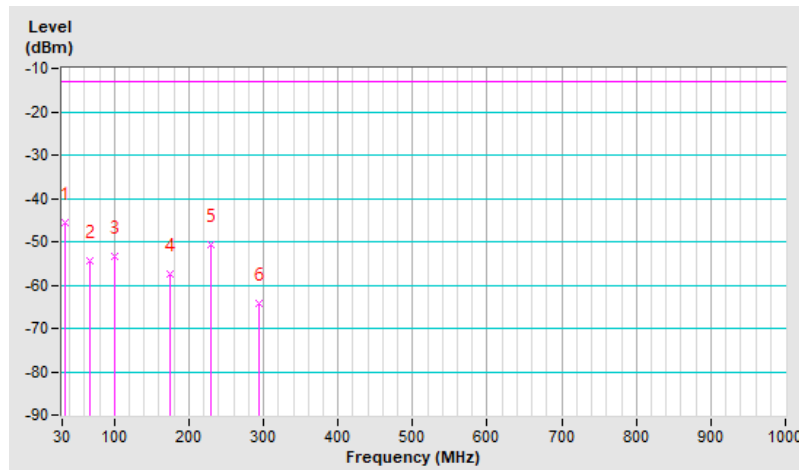


<b>RF Mode</b>	NR n77 Channel Bandwidth: 50MHz	<b>Channel</b>	CH 635000 : 3525 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	33.88	-45.44	-13.00	-32.44	1.01 V	264	63.97	-109.41
2	66.86	-54.30	-13.00	-41.30	1.01 V	182	56.00	-110.30
3	100.81	-53.46	-13.00	-40.46	1.01 V	176	59.25	-112.71
4	174.53	-57.50	-13.00	-44.50	1.01 V	128	51.69	-109.19
5	228.85	-50.61	-13.00	-37.61	1.01 V	248	60.59	-111.20
6	294.81	-64.36	-13.00	-51.36	1.01 V	231	43.70	-108.06

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
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.



**7.6.6 NR n77 (3700-3980 MHz) SCS 30 kHz**

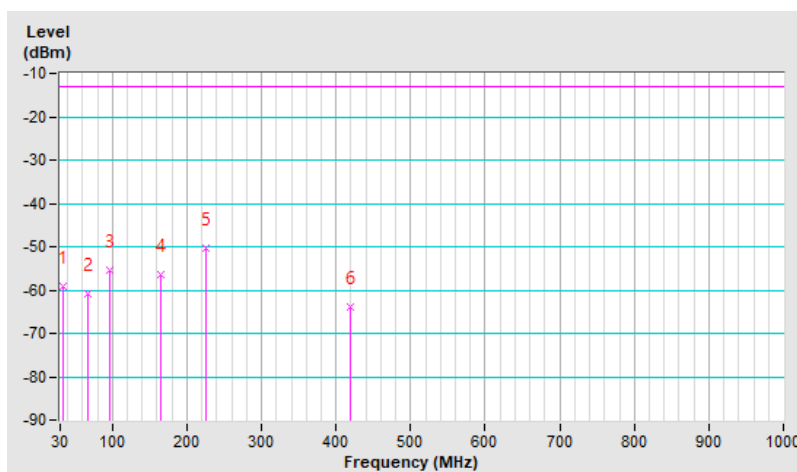
<b>RF Mode</b>	NR n77 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 656000 : 3840 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

**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	33.88	-59.28	-13.00	-46.28	1.50 H	194	50.13	-109.41
2	66.86	-60.82	-13.00	-47.82	1.50 H	139	49.48	-110.30
3	96.93	-55.27	-13.00	-42.27	1.50 H	226	58.37	-113.64
4	164.83	-56.48	-13.00	-43.48	1.50 H	306	52.07	-108.55
5	224.97	-50.22	-13.00	-37.22	1.50 H	2	61.65	-111.87
6	418.97	-63.81	-13.00	-50.81	1.01 H	159	41.30	-105.11

**Remarks:**

- EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
- Margin value = EIRP – Limit value
- The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- 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.

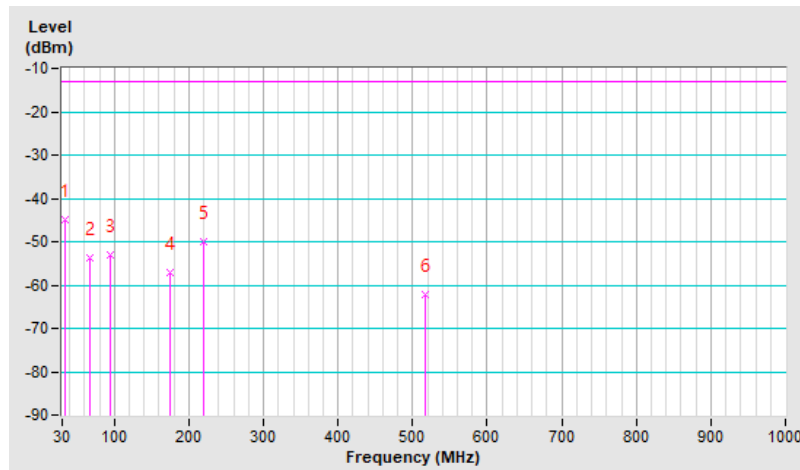


<b>RF Mode</b>	NR n77 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 656000 : 3840 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	33.88	-45.02	-13.00	-32.02	1.00 V	257	64.39	-109.41
2	66.86	-53.88	-13.00	-40.88	1.00 V	244	56.42	-110.30
3	94.02	-53.19	-13.00	-40.19	1.49 V	129	60.68	-113.87
4	174.53	-57.17	-13.00	-44.17	1.00 V	131	52.02	-109.19
5	219.15	-50.07	-13.00	-37.07	1.00 V	215	61.99	-112.06
6	516.94	-62.23	-13.00	-49.23	1.00 V	113	40.58	-102.81

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
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.





## 7.6.7 NR n78 SCS 30 kHz

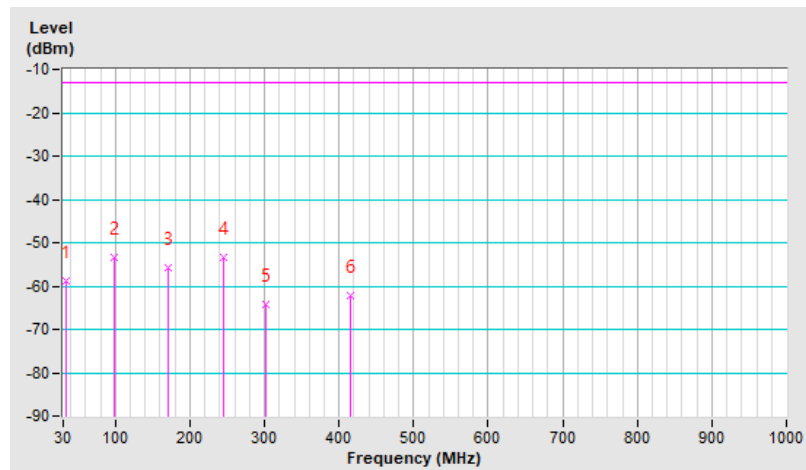
<b>RF Mode</b>	NR n78 Channel Bandwidth: 60MHz	<b>Channel</b>	CH 632000 : 3480 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

**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	33.88	-58.75	-13.00	-45.75	1.49 H	189	50.66	-109.41
2	97.90	-53.25	-13.00	-40.25	1.49 H	263	60.06	-113.31
3	170.65	-55.78	-13.00	-42.78	1.49 H	298	53.02	-108.80
4	244.37	-53.47	-13.00	-40.47	1.00 H	329	56.47	-109.94
5	301.60	-64.38	-13.00	-51.38	1.49 H	296	43.52	-107.90
6	416.06	-62.19	-13.00	-49.19	1.00 H	143	43.00	-105.19

**Remarks:**

- EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
- Margin value = EIRP – Limit value
- The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- 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.

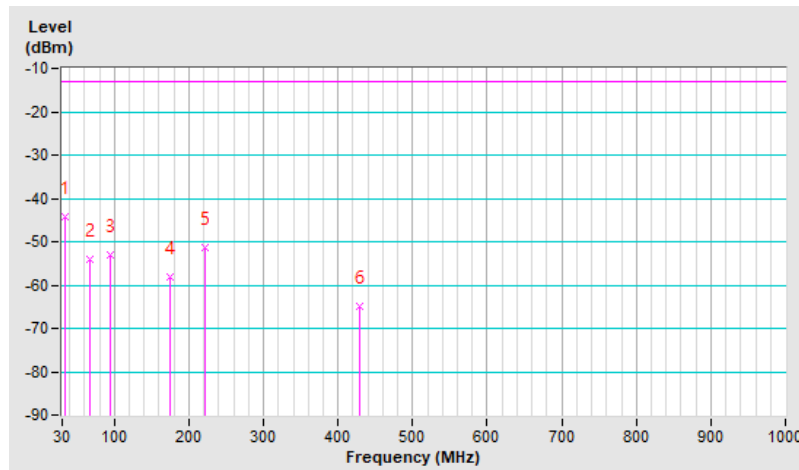


<b>RF Mode</b>	NR n78 Channel Bandwidth: 60MHz	<b>Channel</b>	CH 632000 : 3480 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	33.88	-44.14	-13.00	-31.14	1.01 V	229	65.27	-109.41
2	67.83	-54.12	-13.00	-41.12	1.01 V	212	56.42	-110.54
3	94.02	-53.13	-13.00	-40.13	1.01 V	124	60.74	-113.87
4	174.53	-58.16	-13.00	-45.16	1.01 V	140	51.03	-109.19
5	221.09	-51.19	-13.00	-38.19	1.01 V	193	60.83	-112.02
6	428.67	-64.79	-13.00	-51.79	1.50 V	332	39.91	-104.70

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
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.



## 7.7 Radiated Spurious Emissions above 1GHz

### 7.7.1 NR n2 SCS 15 kHz

<b>RF Mode</b>	NR n2 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 370500 : 1852.5 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

#### 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	3705.00	-45.17	-13.00	-32.17	1.34 H	205	49.89	-95.06

#### 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	3705.00	-46.42	-13.00	-33.42	1.37 V	201	48.64	-95.06

#### Remarks:

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.



<b>RF Mode</b>	NR n2 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 376000 : 1880 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	3760.00	-44.99	-13.00	-31.99	1.42 H	208	49.83	-94.82
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	3760.00	-46.15	-13.00	-33.15	1.32 V	198	48.67	-94.82

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



<b>RF Mode</b>	NR n2 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 381500 : 1907.5 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	3815.00	-44.91	-13.00	-31.91	1.47 H	213	49.68	-94.59
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	3815.00	-45.98	-13.00	-32.98	1.34 V	193	48.61	-94.59

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



<b>RF Mode</b>	NR n2 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 372000 : 1860 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	3720.00	-44.98	-13.00	-31.98	1.42 H	214	50.02	-95.00
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	3720.00	-46.28	-13.00	-33.28	1.34 V	206	48.72	-95.00

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



<b>RF Mode</b>	NR n2 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 376000 : 1880 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	3760.00	-45.25	-13.00	-32.25	1.39 H	205	49.57	-94.82
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	3760.00	-46.01	-13.00	-33.01	1.33 V	196	48.81	-94.82

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

<b>RF Mode</b>	NR n2 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 380000 : 1900 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	3800.00	-45.06	-13.00	-32.06	1.41 H	204	49.58	-94.64
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	3800.00	-46.01	-13.00	-33.01	1.31 V	197	48.63	-94.64

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



**7.7.2 NR n5 SCS 15 kHz**

<b>RF Mode</b>	NR n5 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 165300 : 826.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

**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	1653.00	-54.97	-13.00	-41.97	3.37 H	127	48.52	-103.49

**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	1653.00	-56.97	-13.00	-43.97	1.71 V	199	46.52	-103.49

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)  
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.



<b>RF Mode</b>	NR n5 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 167300 : 836.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	1673.00	-54.91	-13.00	-41.91	3.33 H	214	48.54	-103.45
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	1673.00	-57.14	-13.00	-44.14	1.68 V	195	46.31	-103.45

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.



<b>RF Mode</b>	NR n5 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 169300 : 846.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	1693.00	-55.26	-13.00	-42.26	3.38 H	211	48.13	-103.39
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	1693.00	-57.05	-13.00	-44.05	1.73 V	193	46.34	-103.39

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.



<b>RF Mode</b>	NR n5 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 166800 : 839 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	1668.00	-55.51	-13.00	-42.51	3.31 H	210	47.94	-103.45
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	1668.00	-56.86	-13.00	-43.86	1.73 V	199	46.59	-103.45

**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.



<b>RF Mode</b>	NR n5 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 167300 : 836.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	1673.00	-54.94	-13.00	-41.94	3.33 H	211	48.51	-103.45
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	1673.00	-57.02	-13.00	-44.02	1.67 V	196	46.43	-103.45

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.



<b>RF Mode</b>	NR n5 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 167800 : 826.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	1678.00	-55.31	-13.00	-42.31	3.36 H	216	48.12	-103.43
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	1678.00	-57.28	-13.00	-44.28	1.71 V	193	46.15	-103.43

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

**7.7.3 NR n41 SCS 30 kHz**

<b>RF Mode</b>	NR n41 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 501204 : 2506.02 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

<b>Antenna Polarity &amp; Test Distance : Horizontal at 3 m</b>								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5012.04	-48.38	-25.00	-23.38	1.45 H	233	43.67	-92.05
<b>Antenna Polarity &amp; Test Distance : Vertical at 3 m</b>								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5012.04	-50.02	-25.00	-25.02	1.55 V	219	42.03	-92.05

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



<b>RF Mode</b>	NR n41 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 518598 : 2592.99 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	5185.98	-48.18	-25.00	-23.18	1.44 H	235	43.86	-92.04
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	5185.98	-50.12	-25.00	-25.12	1.53 V	219	41.92	-92.04

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.





<b>RF Mode</b>	NR n41 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 535998 : 2679.99 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	5359.98	-48.55	-25.00	-23.55	1.43 H	239	43.62	-92.17
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	5359.98	-49.95	-25.00	-24.95	1.57 V	221	42.22	-92.17

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



<b>RF Mode</b>	NR n41 Channel Bandwidth: 50MHz	<b>Channel</b>	CH 504204 : 2521.02 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	5042.04	-48.12	-25.00	-23.12	1.43 H	239	43.88	-92.00
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	5042.04	-50.02	-25.00	-25.02	1.57 V	221	41.98	-92.00

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



<b>RF Mode</b>	NR n41 Channel Bandwidth: 50MHz	<b>Channel</b>	CH 518598 : 2592.99 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	5185.98	-48.05	-25.00	-23.05	1.38 H	239	43.99	-92.04
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	5185.98	-49.90	-25.00	-24.90	1.51 V	219	42.14	-92.04

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

<b>RF Mode</b>	NR n41 Channel Bandwidth: 50MHz	<b>Channel</b>	CH 532998 : 2664.99 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	5329.98	-48.59	-25.00	-23.59	1.39 H	236	43.65	-92.24
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	5329.98	-50.20	-25.00	-25.20	1.56 V	224	42.04	-92.24

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

<b>RF Mode</b>	NR n41 Channel Bandwidth: 100MHz	<b>Channel</b>	CH 509202 : 2546.01 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	5092.02	-48.21	-25.00	-23.21	1.38 H	237	43.72	-91.93
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	5092.02	-49.58	-25.00	-24.58	1.51 V	220	42.35	-91.93

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

<b>RF Mode</b>	NR n41 Channel Bandwidth: 100MHz	<b>Channel</b>	CH 518598 : 2592.99 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	5185.98	-48.49	-25.00	-23.49	1.42 H	239	43.55	-92.04
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	5185.98	-50.08	-25.00	-25.08	1.55 V	224	41.96	-92.04

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



<b>RF Mode</b>	NR n41 Channel Bandwidth: 100MHz	<b>Channel</b>	CH 528000 : 2640 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	5280.00	-48.23	-25.00	-23.23	1.36 H	238	44.02	-92.25
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	5280.00	-50.32	-25.00	-25.32	1.54 V	227	41.93	-92.25

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

**7.7.4 NR n71 SCS 15 kHz**

<b>RF Mode</b>	NR n71 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 133100 : 665.5 MHz
<b>Frequency Range</b>	1 GHz ~ 7 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

**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	1331.00	-58.92	-13.00	-45.92	1.84 H	226	45.02	-103.94

**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	1331.00	-60.51	-13.00	-47.51	1.56 V	205	43.43	-103.94

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)  
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.





<b>RF Mode</b>	NR n71 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 136100 : 680.5 MHz
<b>Frequency Range</b>	1 GHz ~ 7GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	1361.00	-58.99	-13.00	-45.99	1.82 H	229	44.94	-103.93
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	1361.00	-60.64	-13.00	-47.64	1.59 V	208	43.29	-103.93

**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.

<b>RF Mode</b>	NR n71 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 139100 : 695.5 MHz
<b>Frequency Range</b>	1 GHz ~ 7GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	1391.00	-59.25	-13.00	-46.25	1.86 H	228	44.61	-103.86
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	1391.00	-60.32	-13.00	-47.32	1.56 V	205	43.54	-103.86

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3.  $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.



<b>RF Mode</b>	NR n71 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 134600 : 673 MHz
<b>Frequency Range</b>	1 GHz ~ 7 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	1346.00	-59.31	-13.00	-46.31	1.89 H	226	44.64	-103.95
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	1346.00	-60.56	-13.00	-47.56	1.52 V	205	43.39	-103.95

**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.



<b>RF Mode</b>	NR n71 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 136100 : 680.5 MHz
<b>Frequency Range</b>	1 GHz ~ 7 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	1361.00	-59.41	-13.00	-46.41	1.89 H	229	44.52	-103.93
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	1361.00	-60.43	-13.00	-47.43	1.59 V	206	43.50	-103.93

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3.  $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.



<b>RF Mode</b>	NR n71 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 137600 : 688 MHz
<b>Frequency Range</b>	1 GHz ~ 7 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	1376.00	-59.20	-13.00	-46.20	1.90 H	230	44.69	-103.89
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	1376.00	-60.43	-13.00	-47.43	1.54 V	210	43.46	-103.89

**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.

**7.7.5 NR n77 (3450-3550 MHz) SCS 30 kHz**

<b>RF Mode</b>	NR n77 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 630668 : 3460.02 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

<b>Antenna Polarity &amp; Test Distance : Horizontal at 3 m</b>								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	6920.04	-40.94	-13.00	-27.94	2.46 H	241	46.76	-87.70
<b>Antenna Polarity &amp; Test Distance : Vertical at 3 m</b>								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	6920.04	-42.38	-13.00	-29.38	1.17 V	243	45.32	-87.70

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



<b>RF Mode</b>	NR n77 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 633334 : 3500.01 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	7000.02	-41.08	-13.00	-28.08	2.42 H	240	46.46	-87.54
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	7000.02	-42.28	-13.00	-29.28	1.25 V	244	45.26	-87.54

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

<b>RF Mode</b>	NR n77 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 636000 : 3540 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	7080.00	-40.61	-13.00	-27.61	2.42 H	241	46.65	-87.26
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	7080.00	-42.14	-13.00	-29.14	1.21 V	248	45.12	-87.26

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.





<b>RF Mode</b>	NR n77 Channel Bandwidth: 50MHz	<b>Channel</b>	CH 631668 : 3475.02 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	6950.04	-40.98	-13.00	-27.98	2.45 H	243	46.63	-87.61
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	6950.04	-42.37	-13.00	-29.37	1.23 V	247	45.24	-87.61

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

<b>RF Mode</b>	NR n77 Channel Bandwidth: 50MHz	<b>Channel</b>	CH 633334 : 3500.01 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	7000.02	-41.00	-13.00	-28.00	2.42 H	241	46.54	-87.54
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	7000.02	-42.32	-13.00	-29.32	1.26 V	246	45.22	-87.54

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



<b>RF Mode</b>	NR n77 Channel Bandwidth: 50MHz	<b>Channel</b>	CH 635000 : 3525 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	7050.00	-40.57	-13.00	-27.57	2.41 H	236	46.52	-87.09
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	7050.00	-41.87	-13.00	-28.87	1.26 V	247	45.22	-87.09

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

**7.7.6 NR n77 (3700-3980 MHz) SCS 30 kHz**

<b>RF Mode</b>	NR n77 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 647334 : 3710.01 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

**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	7420.02	-40.29	-13.00	-27.29	2.44 H	233	47.04	-87.33

**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	7420.02	-41.68	-13.00	-28.68	1.13 V	241	45.65	-87.33

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



<b>RF Mode</b>	NR n77 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 656000 : 3840 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	7680.00	-40.12	-13.00	-27.12	2.37 H	231	47.79	-87.91
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	7680.00	-41.97	-13.00	-28.97	1.17 V	238	45.94	-87.91

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



<b>RF Mode</b>	NR n77 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 664666 : 3969.99 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	7939.98	-40.86	-13.00	-27.86	2.36 H	229	46.89	-87.75
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	7939.98	-42.18	-13.00	-29.18	1.21 V	241	45.57	-87.75

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

<b>RF Mode</b>	NR n77 Channel Bandwidth: 50MHz	<b>Channel</b>	CH 648334 : 3725.01 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	7450.02	-40.56	-13.00	-27.56	2.41 H	235	46.71	-87.27
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	7450.02	-41.80	-13.00	-28.80	1.16 V	238	45.47	-87.27

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

<b>RF Mode</b>	NR n77 Channel Bandwidth: 50MHz	<b>Channel</b>	CH 656000 : 3840 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	7680.00	-40.17	-13.00	-27.17	2.39 H	229	47.74	-87.91
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	7680.00	-41.97	-13.00	-28.97	1.15 V	236	45.94	-87.91

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.





<b>RF Mode</b>	NR n77 Channel Bandwidth: 50MHz	<b>Channel</b>	CH 663666 : 3954.99 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	7909.98	-40.76	-13.00	-27.76	2.37 H	232	46.99	-87.75
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	7909.98	-41.87	-13.00	-28.87	1.14 V	237	45.88	-87.75

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

## 7.7.7 NR n78 SCS 30 kHz

<b>RF Mode</b>	NR n78 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 630668 : 3460.02 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	6920.04	-40.71	-13.00	-27.71	2.49 H	234	46.99	-87.70
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	6920.04	-42.36	-13.00	-29.36	1.22 V	244	45.34	-87.70

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



<b>RF Mode</b>	NR n78 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 633334 : 3500.01 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	7000.02	-40.87	-13.00	-27.87	2.48 H	233	46.67	-87.54
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	7000.02	-42.28	-13.00	-29.28	1.19 V	241	45.26	-87.54

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

<b>RF Mode</b>	NR n78 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 636000 : 3540 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	7080.00	-40.55	-13.00	-27.55	2.49 H	232	46.71	-87.26
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	7080.00	-41.70	-13.00	-28.70	1.15 V	243	45.56	-87.26

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

<b>RF Mode</b>	NR n78 Channel Bandwidth: 50MHz	<b>Channel</b>	CH 631668 : 3475.02 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	6950.04	-40.79	-13.00	-27.79	2.45 H	232	46.82	-87.61
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	6950.04	-42.36	-13.00	-29.36	1.24 V	245	45.25	-87.61

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



<b>RF Mode</b>	NR n78 Channel Bandwidth: 50MHz	<b>Channel</b>	CH 633334 : 3500.01 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	7000.02	-40.56	-13.00	-27.56	2.40 H	233	46.98	-87.54
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	7000.02	-42.23	-13.00	-29.23	1.18 V	240	45.31	-87.54

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

<b>RF Mode</b>	NR n78 Channel Bandwidth: 50MHz	<b>Channel</b>	CH 635000 : 3525 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	7050.00	-40.35	-13.00	-27.35	2.48 H	234	46.74	-87.09
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	7050.00	-41.83	-13.00	-28.83	1.22 V	248	45.26	-87.09

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



<b>RF Mode</b>	NR n78 Channel Bandwidth: 60MHz	<b>Channel</b>	CH 633334 : 3500.01 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	7000.02	-40.67	-13.00	-27.67	2.43 H	239	46.87	-87.54
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	7000.02	-42.32	-13.00	-29.32	1.22 V	243	45.22	-87.54

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



<b>RF Mode</b>	NR n78 Channel Bandwidth: 60MHz	<b>Channel</b>	CH 632000 : 3480 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	6960.00	-40.27	-13.00	-27.27	2.46 H	209	47.33	-87.60
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	6960.00	-43.93	-13.00	-30.93	1.42 V	263	43.67	-87.60

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



<b>RF Mode</b>	NR n78 Channel Bandwidth: 60MHz	<b>Channel</b>	CH 634666 : 3519.99 MHz
<b>Frequency Range</b>	1 GHz ~ 40 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	23°C, 66% RH
<b>Tested By</b>	Greg Lin		

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	7039.98	-40.43	-13.00	-27.43	2.55 H	211	46.75	-87.18
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	7039.98	-43.59	-13.00	-30.59	1.49 V	277	43.59	-87.18

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

## 7.8 Frequency Stability

Environmental Conditions:	25°C, 60% RH	Tested By:	Ted Chang
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### 7.8.1 NR n2 SCS 15 kHz

#### NR n2 SCS 15 kHz, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 370500 (1852.5 MHz)		CH 381500 (1907.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.2725	1852.499997	-0.0016	1907.499996	-0.0021
3.85	1852.499998	-0.0011	1907.499999	-0.0005
4.4275	1852.500003	0.0016	1907.500002	0.0010

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 370500 (1852.5 MHz)		CH 381500 (1907.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1852.499996	-0.0022	1907.499996	-0.0021
-20	1852.500002	0.0011	1907.500004	0.0021
-10	1852.499997	-0.0016	1907.500002	0.0010
0	1852.499999	-0.0005	1907.500001	0.0005
10	1852.499997	-0.0016	1907.500001	0.0005
20	1852.499996	-0.0022	1907.500001	0.0005
30	1852.499996	-0.0022	1907.499997	-0.0016
40	1852.499999	-0.0005	1907.499998	-0.0010
50	1852.500004	0.0022	1907.499999	-0.0005
55	1852.500001	0.0005	1907.500002	0.0010

**NR n2 SCS 15 kHz, Channel Bandwidth: 10 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 371000 (1855 MHz)</b>		<b>CH 381000 (1905 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	1855.000004	0.0022	1905.000003	0.0016
3.85	1854.999997	-0.0016	1904.999999	-0.0005
4.4275	1855.000001	0.0005	1905.000002	0.0010

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 371000 (1855 MHz)</b>		<b>CH 381000 (1905 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	1855.000003	0.0016	1904.999996	-0.0021
-20	1855.000004	0.0022	1905.000001	0.0005
-10	1854.999999	-0.0005	1905.000004	0.0021
0	1854.999998	-0.0011	1904.999997	-0.0016
10	1854.999996	-0.0022	1905.000003	0.0016
20	1855.000001	0.0005	1905.000004	0.0021
30	1854.999997	-0.0016	1905.000001	0.0005
40	1855.000004	0.0022	1904.999998	-0.0010
50	1854.999999	-0.0005	1904.999999	-0.0005
55	1855.000002	0.0011	1904.999998	-0.0010

**NR n2 SCS 15 kHz, Channel Bandwidth: 15 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 371500 (1857.5 MHz)</b>		<b>CH 380500 (1902.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	1857.499998	-0.0011	1902.499998	-0.0010
3.85	1857.499999	-0.0005	1902.500001	0.0005
4.4275	1857.499997	-0.0016	1902.500003	0.0016

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 371500 (1857.5 MHz)</b>		<b>CH 380500 (1902.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	1857.500003	0.0016	1902.499997	-0.0016
-20	1857.499999	-0.0005	1902.500004	0.0021
-10	1857.500001	0.0005	1902.499996	-0.0021
0	1857.500001	0.0005	1902.499997	-0.0016
10	1857.499997	-0.0016	1902.499999	-0.0005
20	1857.499998	-0.0011	1902.499996	-0.0021
30	1857.499998	-0.0011	1902.499997	-0.0016
40	1857.499997	-0.0016	1902.499997	-0.0016
50	1857.500003	0.0016	1902.500003	0.0016
55	1857.500004	0.0022	1902.500002	0.0010

**NR n2 SCS 15 kHz, Channel Bandwidth: 20 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 372000 (1860 MHz)</b>		<b>CH 380000 (1900 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	1859.999998	-0.0011	1899.999998	-0.0010
3.85	1859.999997	-0.0016	1899.999996	-0.0021
4.4275	1860.000002	0.0011	1899.999999	-0.0005

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 372000 (1860 MHz)</b>		<b>CH 380000 (1900 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	1859.999996	-0.0022	1899.999996	-0.0021
-20	1860.000002	0.0011	1900.000003	0.0016
-10	1860.000001	0.0005	1900.000001	0.0005
0	1860.000004	0.0022	1899.999999	-0.0005
10	1859.999998	-0.0011	1900.000003	0.0016
20	1859.999996	-0.0022	1900.000002	0.0010
30	1860.000004	0.0022	1900.000004	0.0021
40	1859.999997	-0.0016	1900.000004	0.0021
50	1859.999997	-0.0016	1900.000002	0.0010
55	1860.000001	0.0005	1899.999997	-0.0016

## 7.8.2 NR n5 SCS 15 kHz

**NR n5 SCS 15 kHz, Channel Bandwidth: 5 MHz**

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 165300 (826.5 MHz)		CH 169300 (846.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.2725	826.499999	-0.0012	846.499997	-0.0035
3.85	826.499998	-0.0024	846.499997	-0.0035
4.4275	826.499999	-0.0012	846.499997	-0.0035

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 165300 (826.5 MHz)		CH 169300 (846.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	826.500001	0.0012	846.500002	0.0024
-20	826.500004	0.0048	846.499996	-0.0047
-10	826.499998	-0.0024	846.500002	0.0024
0	826.500002	0.0024	846.500001	0.0012
10	826.499996	-0.0048	846.499997	-0.0035
20	826.499998	-0.0024	846.500004	0.0047
30	826.499997	-0.0036	846.499996	-0.0047
40	826.500003	0.0036	846.499998	-0.0024
50	826.499996	-0.0048	846.500004	0.0047
55	826.500004	0.0048	846.500004	0.0047

**NR n5 SCS 15 kHz, Channel Bandwidth: 10 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 165800 (829 MHz)</b>		<b>CH 168800 (844 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	829.000001	0.0012	843.999997	-0.0035
3.85	829.000003	0.0036	843.999997	-0.0035
4.4275	828.999998	-0.0024	844.000002	0.0024

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 165800 (829 MHz)</b>		<b>CH 168800 (844 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	829.000001	0.0012	844.000001	0.0012
-20	829.000002	0.0024	843.999998	-0.0024
-10	828.999997	-0.0036	844.000002	0.0024
0	828.999997	-0.0036	843.999996	-0.0047
10	829.000001	0.0012	843.999999	-0.0012
20	828.999997	-0.0036	843.999999	-0.0012
30	828.999999	-0.0012	844.000002	0.0024
40	828.999996	-0.0048	843.999999	-0.0012
50	829.000001	0.0012	844.000002	0.0024
55	828.999999	-0.0012	843.999998	-0.0024



**NR n5 SCS 15 kHz, Channel Bandwidth: 15 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 166300 (831.5 MHz)</b>		<b>CH 168300 (841.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	831.500004	0.0048	841.499999	-0.0012
3.85	831.500004	0.0048	841.500001	0.0012
4.4275	831.499996	-0.0048	841.500004	0.0047

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 166300 (831.5 MHz)</b>		<b>CH 168300 (841.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	831.500004	0.0048	841.500001	0.0012
-20	831.499999	-0.0012	841.500003	0.0035
-10	831.500003	0.0036	841.500001	0.0012
0	831.499999	-0.0012	841.499998	-0.0024
10	831.499998	-0.0024	841.500001	0.0012
20	831.500004	0.0048	841.499996	-0.0047
30	831.500001	0.0012	841.500001	0.0012
40	831.499999	-0.0012	841.499999	-0.0012
50	831.499999	-0.0012	841.499996	-0.0047
55	831.500003	0.0036	841.500002	0.0024

**NR n5 SCS 15 kHz, Channel Bandwidth: 20 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 166800 (834 MHz)</b>		<b>CH 167800 (839 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	834.000003	0.0036	839.000004	0.0047
3.85	833.999996	-0.0048	838.999998	-0.0024
4.4275	834.000004	0.0048	839.000003	0.0035

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 166800 (834 MHz)</b>		<b>CH 167800 (839 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	833.999998	-0.0024	839.000002	0.0024
-20	834.000002	0.0024	838.999998	-0.0024
-10	834.000001	0.0012	838.999999	-0.0012
0	834.000004	0.0048	839.000003	0.0035
10	833.999998	-0.0024	839.000004	0.0047
20	834.000002	0.0024	838.999999	-0.0012
30	833.999999	-0.0012	838.999999	-0.0012
40	834.000003	0.0036	839.000003	0.0035
50	834.000004	0.0048	839.000002	0.0024
55	833.999996	-0.0048	838.999998	-0.0024

7.8.3 NR n41 SCS 30 kHz

**NR n41 SCS 30 kHz, Channel Bandwidth: 20 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 501204 (2506.02 MHz)</b>		<b>CH 535998 (2679.99 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	2506.020003	0.0012	2679.990000	0.0011
3.85	2506.019999	-0.0004	2679.990000	-0.0011
4.4275	2506.020002	0.0008	2679.990000	0.0011

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 501204 (2506.02 MHz)</b>		<b>CH 535998 (2679.99 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	2506.020004	0.0016	2679.990000	0.0004
-20	2506.020004	0.0016	2679.990000	0.0007
-10	2506.020002	0.0008	2679.990000	0.0004
0	2506.019998	-0.0008	2679.990000	-0.0011
10	2506.019998	-0.0008	2679.990000	-0.0011
20	2506.019999	-0.0004	2679.990000	-0.0011
30	2506.020003	0.0012	2679.990000	0.0007
40	2506.019996	-0.0016	2679.990000	-0.0007
50	2506.020003	0.0012	2679.990000	-0.0011
55	2506.020004	0.0016	2679.990000	-0.0011

**NR n41 SCS 30 kHz, Channel Bandwidth: 40 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 503202 (2516.01 MHz)</b>		<b>CH 534000 (2670 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	2516.010002	0.0008	2669.999997	-0.0011
3.85	2516.010001	0.0004	2669.999996	-0.0015
4.4275	2516.009998	-0.0008	2670.000001	0.0004

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 503202 (2516.01 MHz)</b>		<b>CH 534000 (2670 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	2516.010003	0.0012	2669.999999	-0.0004
-20	2516.010003	0.0012	2669.999997	-0.0011
-10	2516.010004	0.0016	2669.999996	-0.0015
0	2516.010000	0.0000	2670.000003	0.0011
10	2516.009998	-0.0008	2669.999997	-0.0011
20	2516.009998	-0.0008	2670.000003	0.0011
30	2516.010001	0.0004	2669.999998	-0.0007
40	2516.010001	0.0004	2670.000004	0.0015
50	2516.010002	0.0008	2669.999996	-0.0015
55	2516.009998	-0.0008	2669.999999	-0.0004

**NR n41 SCS 30 kHz, Channel Bandwidth: 50 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 504204 (2521.02 MHz)</b>		<b>CH 532998 (2664.99 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	2521.020003	0.0012	2664.990003	0.0011
3.85	2521.020001	0.0004	2664.989998	-0.0007
4.4275	2521.019996	-0.0016	2664.990002	0.0007

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 504204 (2521.02 MHz)</b>		<b>CH 532998 (2664.99 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	2521.020001	0.0004	2664.989998	-0.0007
-20	2521.020003	0.0012	2664.989998	-0.0007
-10	2521.020002	0.0008	2664.989996	-0.0015
0	2521.019996	-0.0016	2664.989996	-0.0015
10	2521.019998	-0.0008	2664.990004	0.0015
20	2521.020004	0.0016	2664.990001	0.0004
30	2521.020003	0.0012	2664.989999	-0.0004
40	2521.020001	0.0004	2664.990003	0.0011
50	2521.020002	0.0008	2664.990004	0.0015
55	2521.020004	0.0016	2664.989998	-0.0007

**NR n41 SCS 30 kHz, Channel Bandwidth: 60 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 505200 (2526 MHz)</b>		<b>CH 531996 (2659.98 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	2525.999997	-0.0012	2659.980001	0.0004
3.85	2525.999998	-0.0008	2659.979999	-0.0004
4.4275	2526.000002	0.0008	2659.980003	0.0011

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 505200 (2526 MHz)</b>		<b>CH 531996 (2659.98 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	2526.000002	0.0008	2659.980004	0.0015
-20	2526.000002	0.0008	2659.980001	0.0004
-10	2526.000004	0.0016	2659.980002	0.0007
0	2526.000003	0.0012	2659.979997	-0.0011
10	2525.999997	-0.0012	2659.980001	0.0004
20	2525.999997	-0.0012	2659.979998	-0.0007
30	2525.999996	-0.0016	2659.979998	-0.0007
40	2526.000002	0.0008	2659.979996	-0.0015
50	2525.999998	-0.0008	2659.979999	-0.0004
55	2525.999996	-0.0016	2659.980003	0.0011

**NR n41 SCS 30 kHz, Channel Bandwidth: 80 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 507204 (2536.02 MHz)</b>		<b>CH 529998 (2649.99 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	2536.019996	-0.0016	2649.990001	0.0004
3.85	2536.020003	0.0012	2649.990001	0.0004
4.4275	2536.020001	0.0004	2649.990003	0.0011

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 507204 (2536.02 MHz)</b>		<b>CH 529998 (2649.99 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	2536.019997	-0.0012	2649.990001	0.0004
-20	2536.020001	0.0004	2649.989997	-0.0011
-10	2536.019999	-0.0004	2649.989998	-0.0007
0	2536.020002	0.0008	2649.990003	0.0011
10	2536.019999	-0.0004	2649.990004	0.0015
20	2536.020001	0.0004	2649.990001	0.0004
30	2536.019996	-0.0016	2649.989996	-0.0015
40	2536.020003	0.0012	2649.989997	-0.0011
50	2536.020001	0.0004	2649.990002	0.0007
55	2536.020001	0.0004	2649.989999	-0.0004

**NR n41 SCS 30 kHz, Channel Bandwidth: 90 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 508200 (2541 MHz)</b>		<b>CH 528996 (2644.98 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	2541.000001	0.0004	2644.980002	0.0007
3.85	2540.999997	-0.0012	2644.979998	-0.0007
4.4275	2541.000002	0.0008	2644.979999	-0.0004

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 508200 (2541 MHz)</b>		<b>CH 528996 (2644.98 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	2541.000003	0.0012	2644.980002	0.0007
-20	2541.000002	0.0008	2644.980002	0.0007
-10	2540.999999	-0.0004	2644.979997	-0.0011
0	2541.000003	0.0012	2644.980003	0.0011
10	2540.999999	-0.0004	2644.979998	-0.0007
20	2541.000002	0.0008	2644.980002	0.0007
30	2540.999998	-0.0008	2644.979999	-0.0004
40	2540.999996	-0.0016	2644.979997	-0.0011
50	2540.999998	-0.0008	2644.979996	-0.0015
55	2541.000002	0.0008	2644.979997	-0.0011



**NR n41 SCS 30 kHz, Channel Bandwidth: 100 MHz**

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 509202 (2546.01 MHz)		CH 528000 (2640 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.2725	2546.010001	0.0004	2640.000001	0.0004
3.85	2546.010004	0.0016	2640.000002	0.0007
4.4275	2546.009999	-0.0004	2640.000003	0.0011

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 509202 (2546.01 MHz)		CH 528000 (2640 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2546.010001	0.0004	2640.000003	0.0011
-20	2546.010004	0.0016	2640.000002	0.0007
-10	2546.009999	-0.0004	2639.999996	-0.0015
0	2546.010003	0.0012	2639.999999	-0.0004
10	2546.010001	0.0004	2639.999997	-0.0011
20	2546.009999	-0.0004	2640.000004	0.0015
30	2546.010003	0.0012	2639.999999	-0.0004
40	2546.010001	0.0004	2639.999997	-0.0011
50	2546.009999	-0.0004	2639.999997	-0.0011
55	2546.009999	-0.0004	2639.999999	-0.0004

7.8.4 NR n71 SCS 15 kHz

**NR n71 SCS 15 kHz, Channel Bandwidth: 5 MHz**

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 133100 (665.5 MHz)		CH 139100 (695.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.2725	665.499997	-0.0045	695.500000	0.0014
3.85	665.500003	0.0045	695.500000	0.0014
4.4275	665.499998	-0.0030	695.500000	0.0043

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 133100 (665.5 MHz)		CH 139100 (695.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	665.499997	-0.0045	695.500000	0.0058
-20	665.499996	-0.0060	695.500000	0.0014
-10	665.500003	0.0045	695.500000	-0.0043
0	665.500001	0.0015	695.500000	0.0029
10	665.500001	0.0015	695.500000	-0.0058
20	665.500001	0.0015	695.500000	-0.0058
30	665.499999	-0.0015	695.500000	-0.0014
40	665.499997	-0.0045	695.500000	-0.0058
50	665.499996	-0.0060	695.500000	-0.0058
55	665.499997	-0.0045	695.500000	-0.0058

**NR n71 SCS 15 kHz, Channel Bandwidth: 10 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 133600 (668 MHz)</b>		<b>CH 138600 (693 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	667.999999	-0.0015	693.000004	0.0058
3.85	668.000001	0.0015	693.000004	0.0058
4.4275	667.999998	-0.0030	693.000002	0.0029

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 133600 (668 MHz)</b>		<b>CH 138600 (693 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	667.999996	-0.0060	693.000001	0.0014
-20	667.999999	-0.0015	692.999997	-0.0043
-10	667.999999	-0.0015	693.000002	0.0029
0	667.999998	-0.0030	693.000003	0.0043
10	668.000001	0.0015	692.999998	-0.0029
20	667.999998	-0.0030	692.999997	-0.0043
30	668.000002	0.0030	692.999996	-0.0058
40	667.999997	-0.0045	692.999998	-0.0029
50	667.999996	-0.0060	693.000002	0.0029
55	668.000003	0.0045	693.000001	0.0014

**NR n71 SCS 15 kHz, Channel Bandwidth: 15 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 134100 (670.5 MHz)</b>		<b>CH 138100 (690.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	670.500001	0.0015	690.500002	0.0029
3.85	670.499997	-0.0045	690.500003	0.0043
4.4275	670.500001	0.0015	690.500003	0.0043

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 134100 (670.5 MHz)</b>		<b>CH 138100 (690.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	670.500004	0.0060	690.500003	0.0043
-20	670.500004	0.0060	690.500003	0.0043
-10	670.499996	-0.0060	690.499997	-0.0043
0	670.500002	0.0030	690.499996	-0.0058
10	670.500001	0.0015	690.499998	-0.0029
20	670.499996	-0.0060	690.499998	-0.0029
30	670.499996	-0.0060	690.499999	-0.0014
40	670.499999	-0.0015	690.499997	-0.0043
50	670.499999	-0.0015	690.500001	0.0014
55	670.499999	-0.0015	690.500001	0.0014

**NR n71 SCS 15 kHz, Channel Bandwidth: 20 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 134600 (673 MHz)</b>		<b>CH 137600 (688 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	673.000002	0.0030	688.000001	0.0014
3.85	673.000004	0.0060	687.999996	-0.0058
4.4275	672.999999	-0.0015	687.999998	-0.0029

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 134600 (673 MHz)</b>		<b>CH 137600 (688 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	673.000001	0.0015	688.000003	0.0043
-20	672.999997	-0.0045	688.000003	0.0043
-10	672.999996	-0.0060	688.000004	0.0058
0	673.000003	0.0045	687.999997	-0.0043
10	673.000003	0.0045	688.000001	0.0014
20	673.000001	0.0015	687.999998	-0.0029
30	673.000001	0.0015	687.999997	-0.0043
40	672.999999	-0.0015	687.999999	-0.0014
50	673.000004	0.0060	688.000004	0.0058
55	673.000004	0.0060	688.000004	0.0058

7.8.5 NR n77 (3450-3550 MHz) SCS 30 kHz

**NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 20 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 630668 (3460.02 MHz)</b>		<b>CH 636000 (3540 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	3460.020004	0.0012	3540.000001	0.0003
3.85	3460.019997	-0.0009	3540.000003	0.0008
4.4275	3460.019997	-0.0009	3539.999997	-0.0008

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 630668 (3460.02 MHz)</b>		<b>CH 636000 (3540 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	3460.019997	-0.0009	3539.999999	-0.0003
-20	3460.019997	-0.0009	3539.999996	-0.0011
-10	3460.020003	0.0009	3539.999999	-0.0003
0	3460.019999	-0.0003	3540.000004	0.0011
10	3460.019997	-0.0009	3539.999996	-0.0011
20	3460.020003	0.0009	3539.999998	-0.0006
30	3460.020003	0.0009	3540.000001	0.0003
40	3460.020002	0.0006	3539.999996	-0.0011
50	3460.020004	0.0012	3539.999996	-0.0011
55	3460.019996	-0.0012	3539.999999	-0.0003

**NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 40 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 631334 (3470.01 MHz)</b>		<b>CH 635332 (3529.98 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	3470.010003	0.0009	3529.980003	0.0008
3.85	3470.009997	-0.0009	3529.979999	-0.0003
4.4275	3470.009999	-0.0003	3529.980001	0.0003

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 631334 (3470.01 MHz)</b>		<b>CH 635332 (3529.98 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	3470.009999	-0.0003	3529.979997	-0.0008
-20	3470.010002	0.0006	3529.980002	0.0006
-10	3470.009999	-0.0003	3529.980004	0.0011
0	3470.010001	0.0003	3529.979998	-0.0006
10	3470.010001	0.0003	3529.979997	-0.0008
20	3470.009996	-0.0012	3529.980001	0.0003
30	3470.009998	-0.0006	3529.979997	-0.0008
40	3470.009997	-0.0009	3529.980002	0.0006
50	3470.010002	0.0006	3529.980004	0.0011
55	3470.009998	-0.0006	3529.980004	0.0011

**NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 50 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 631668 (3475.02 MHz)</b>		<b>CH 635000 (3525 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	3475.020004	0.0012	3524.999997	-0.0008
3.85	3475.020003	0.0009	3524.999996	-0.0011
4.4275	3475.019997	-0.0009	3525.000004	0.0011

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 631668 (3475.02 MHz)</b>		<b>CH 635000 (3525 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	3475.019999	-0.0003	3524.999998	-0.0006
-20	3475.019996	-0.0012	3525.000002	0.0006
-10	3475.020002	0.0006	3525.000001	0.0003
0	3475.019999	-0.0003	3524.999998	-0.0006
10	3475.020003	0.0009	3525.000003	0.0008
20	3475.020002	0.0006	3525.000003	0.0008
30	3475.020002	0.0006	3525.000001	0.0003
40	3475.019998	-0.0006	3524.999996	-0.0011
50	3475.019996	-0.0012	3525.000002	0.0006
55	3475.020002	0.0006	3525.000002	0.0006



7.8.6 NR n77 (3700-3980 MHz) SCS 30 kHz

**NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 20 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 647334 (3710.01 MHz)</b>		<b>CH 665666 (3969.99 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	3710.010003	0.0008	3969.989998	-0.0005
3.85	3710.009997	-0.0008	3969.989996	-0.0010
4.4275	3710.010004	0.0011	3969.990003	0.0008

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 647334 (3710.01 MHz)</b>		<b>CH 665666 (3969.99 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	3710.009999	-0.0003	3969.989998	-0.0005
-20	3710.009996	-0.0011	3969.989998	-0.0005
-10	3710.009998	-0.0005	3969.990003	0.0008
0	3710.009999	-0.0003	3969.989996	-0.0010
10	3710.010002	0.0005	3969.990003	0.0008
20	3710.009996	-0.0011	3969.989998	-0.0005
30	3710.010003	0.0008	3969.989998	-0.0005
40	3710.009999	-0.0003	3969.989999	-0.0003
50	3710.009999	-0.0003	3969.990002	0.0005
55	3710.009998	-0.0005	3969.990002	0.0005

**NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 40 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 648000 (3720 MHz)</b>		<b>CH 664000 (3960 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	3719.999997	-0.0008	3959.999999	-0.0003
3.85	3720.000002	0.0005	3960.000004	0.0010
4.4275	3719.999998	-0.0005	3960.000004	0.0010

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 648000 (3720 MHz)</b>		<b>CH 664000 (3960 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	3720.000003	0.0008	3960.000004	0.0010
-20	3719.999998	-0.0005	3960.000004	0.0010
-10	3720.000003	0.0008	3959.999999	-0.0003
0	3720.000004	0.0011	3959.999997	-0.0008
10	3719.999998	-0.0005	3960.000003	0.0008
20	3720.000004	0.0011	3960.000001	0.0003
30	3720.000001	0.0003	3959.999999	-0.0003
40	3719.999999	-0.0003	3960.000001	0.0003
50	3720.000003	0.0008	3959.999997	-0.0008
55	3720.000004	0.0011	3959.999999	-0.0003

**NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 50 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 648668 (3730.02 MHz)</b>		<b>CH 663332 (3949.98 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	3725.010002	0.0005	3954.989997	-0.0008
3.85	3725.009996	-0.0011	3954.990004	0.0010
4.4275	3725.009999	-0.0003	3954.989996	-0.0010

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 648668 (3730.02 MHz)</b>		<b>CH 663332 (3949.98 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	3725.010003	0.0008	3954.989998	-0.0005
-20	3725.010002	0.0005	3954.990003	0.0008
-10	3725.009996	-0.0011	3954.989999	-0.0003
0	3725.009996	-0.0011	3954.990001	0.0003
10	3725.009999	-0.0003	3954.990002	0.0005
20	3725.010002	0.0005	3954.989997	-0.0008
30	3725.010003	0.0008	3954.990001	0.0003
40	3725.010004	0.0011	3954.990004	0.0010
50	3725.009999	-0.0003	3954.989997	-0.0008
55	3725.010002	0.0005	3954.989996	-0.0010

7.8.7 NR n78 SCS 30 kHz

**NR n78 SCS 30 kHz, Channel Bandwidth: 20 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 630668 (3460.02 MHz)</b>		<b>CH 636000 (3540 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	3460.020002	0.0006	3540.000002	0.0006
3.85	3460.019996	-0.0012	3539.999999	-0.0003
4.4275	3460.019998	-0.0006	3540.000003	0.0008

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 630668 (3460.02 MHz)</b>		<b>CH 636000 (3540 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	3460.020001	0.0003	3539.999997	-0.0008
-20	3460.020002	0.0006	3540.000002	0.0006
-10	3460.020003	0.0009	3539.999998	-0.0006
0	3460.019998	-0.0006	3540.000003	0.0008
10	3460.020004	0.0012	3540.000003	0.0008
20	3460.020002	0.0006	3540.000001	0.0003
30	3460.019999	-0.0003	3540.000003	0.0008
40	3460.020004	0.0012	3539.999999	-0.0003
50	3460.020004	0.0012	3540.000001	0.0003
55	3460.020003	0.0009	3540.000002	0.0006

**NR n78 SCS 30 kHz, Channel Bandwidth: 30 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 631000 (3465 MHz)</b>		<b>CH 635666 (3534.99 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	3465.000001	0.0003	3534.990003	0.0008
3.85	3464.999998	-0.0006	3534.989997	-0.0008
4.4275	3465.000002	0.0006	3534.989999	-0.0003

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 631000 (3465 MHz)</b>		<b>CH 635666 (3534.99 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	3464.999998	-0.0006	3534.989997	-0.0008
-20	3465.000001	0.0003	3534.989996	-0.0011
-10	3465.000003	0.0009	3534.990004	0.0011
0	3465.000002	0.0006	3534.990002	0.0006
10	3464.999996	-0.0012	3534.989996	-0.0011
20	3465.000001	0.0003	3534.989998	-0.0006
30	3465.000003	0.0009	3534.990002	0.0006
40	3464.999998	-0.0006	3534.989996	-0.0011
50	3464.999997	-0.0009	3534.990004	0.0011
55	3465.000004	0.0012	3534.989999	-0.0003

**NR n78 SCS 30 kHz, Channel Bandwidth: 40 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 631334 (3470.01 MHz)</b>		<b>CH 635332 (3529.98 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	3470.010002	0.0006	3529.980002	0.0006
3.85	3470.010001	0.0003	3529.980003	0.0008
4.4275	3470.009997	-0.0009	3529.980004	0.0011

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 631334 (3470.01 MHz)</b>		<b>CH 635332 (3529.98 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	3470.010001	0.0003	3529.979997	-0.0008
-20	3470.010003	0.0009	3529.979996	-0.0011
-10	3470.010001	0.0003	3529.980003	0.0008
0	3470.009997	-0.0009	3529.979997	-0.0008
10	3470.010004	0.0012	3529.979997	-0.0008
20	3470.009999	-0.0003	3529.979999	-0.0003
30	3470.010004	0.0012	3529.979997	-0.0008
40	3470.010002	0.0006	3529.979996	-0.0011
50	3470.010002	0.0006	3529.979998	-0.0006
55	3470.009998	-0.0006	3529.979996	-0.0011

**NR n78 SCS 30 kHz, Channel Bandwidth: 50 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 631668 (3475.02 MHz)</b>		<b>CH 635000 (3525 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	3475.019996	-0.0012	3524.999998	-0.0006
3.85	3475.020002	0.0006	3524.999998	-0.0006
4.4275	3475.019996	-0.0012	3525.000003	0.0008

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 631668 (3475.02 MHz)</b>		<b>CH 635000 (3525 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	3475.020002	0.0006	3525.000001	0.0003
-20	3475.020002	0.0006	3525.000001	0.0003
-10	3475.020003	0.0009	3524.999997	-0.0008
0	3475.019998	-0.0006	3524.999997	-0.0008
10	3475.020002	0.0006	3524.999996	-0.0011
20	3475.020001	0.0003	3525.000002	0.0006
30	3475.019997	-0.0009	3525.000003	0.0008
40	3475.020001	0.0003	3525.000004	0.0011
50	3475.019999	-0.0003	3524.999997	-0.0008
55	3475.019996	-0.0012	3524.999999	-0.0003

**NR n78 SCS 30 kHz, Channel Bandwidth: 60 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 632000 (3480 MHz)</b>		<b>CH 634666 (3519.99 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
3.2725	3480.000003	0.0009	3519.990003	0.0008
3.85	3479.999999	-0.0003	3519.990001	0.0003
4.4275	3479.999996	-0.0012	3519.990002	0.0006

Note: The applicant defined the normal working voltage is from 3.2725 to 4.4275 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 632000 (3480 MHz)</b>		<b>CH 634666 (3519.99 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	3479.999998	-0.0006	3519.989997	-0.0008
-20	3480.000002	0.0006	3519.989998	-0.0006
-10	3480.000002	0.0006	3519.990004	0.0011
0	3480.000003	0.0009	3519.989996	-0.0011
10	3479.999996	-0.0012	3519.989999	-0.0003
20	3479.999999	-0.0003	3519.990003	0.0008
30	3480.000003	0.0009	3519.990002	0.0006
40	3480.000003	0.0009	3519.990001	0.0003
50	3480.000001	0.0003	3519.990004	0.0011
55	3479.999998	-0.0006	3519.989996	-0.0011



## 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:

**Lin Kou EMC/RF Lab**

Tel: 886-2-26052180

Fax: 886-2-26051924

**Hsin Chu EMC/RF/Telecom Lab**

Tel: 886-3-6668565

Fax: 886-3-6668323

**Hwa Ya EMC/RF/Safety Lab**

Tel: 886-3-3183232

Fax: 886-3-3270892

**Email:** [service.adt@bureauveritas.com](mailto:service.adt@bureauveritas.com)

**Web Site:** <http://ee.bureauveritas.com.tw>

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

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