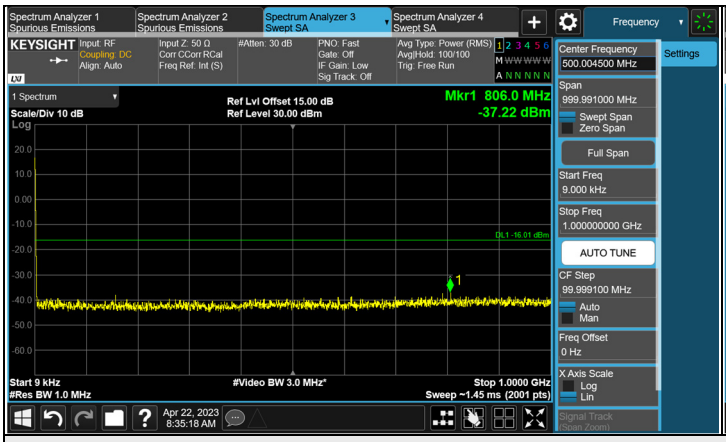
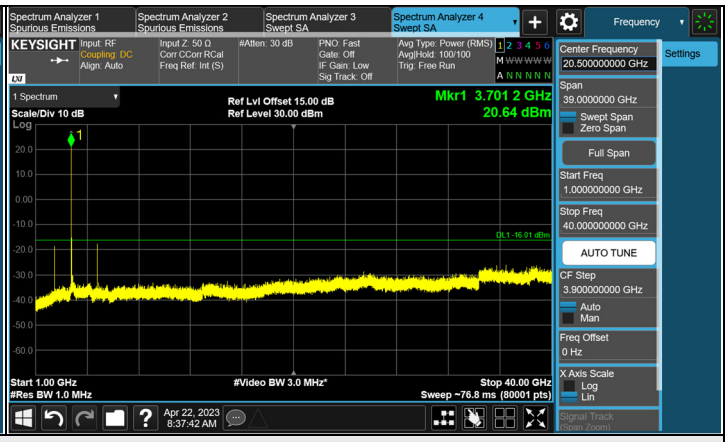
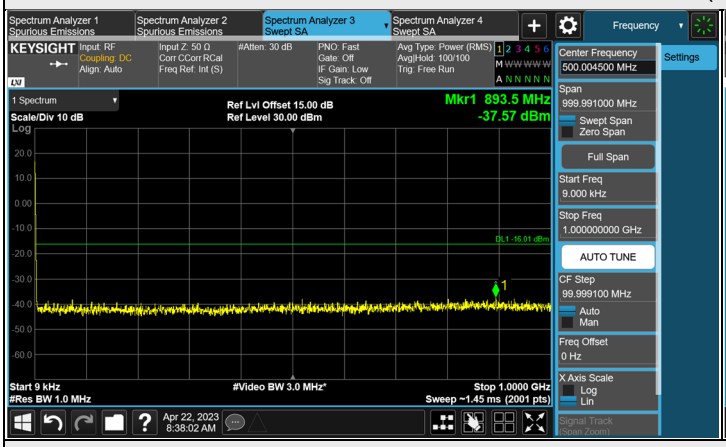
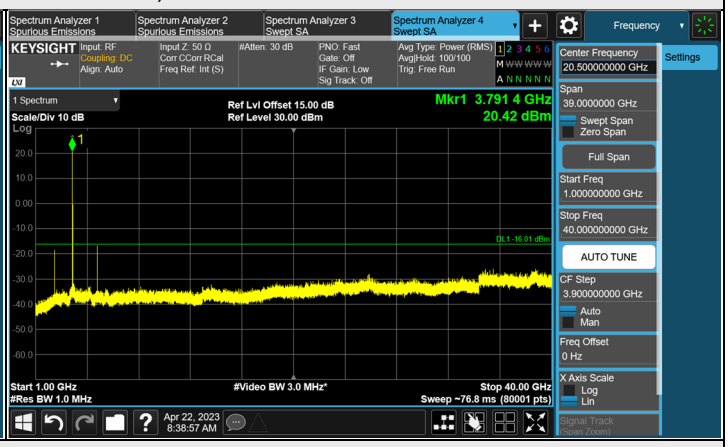
NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 100 MHz



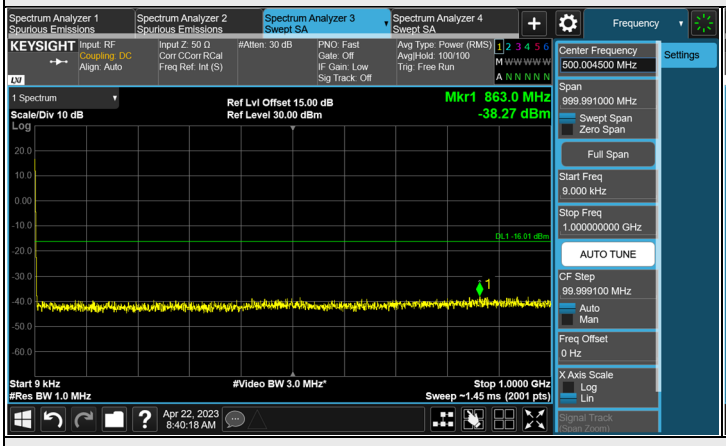


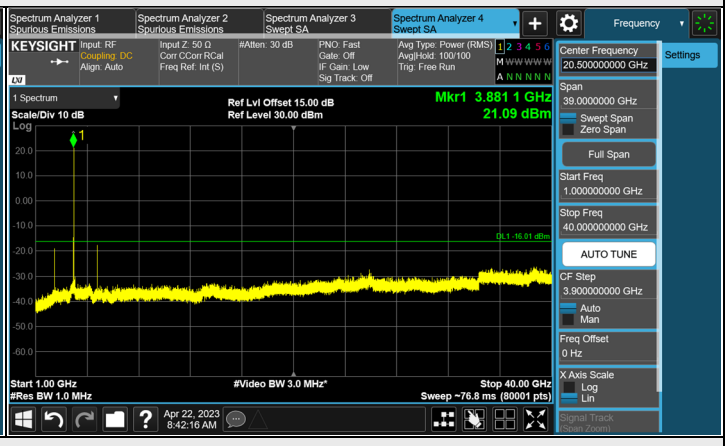
CH 650000 (3750.00 MHz)





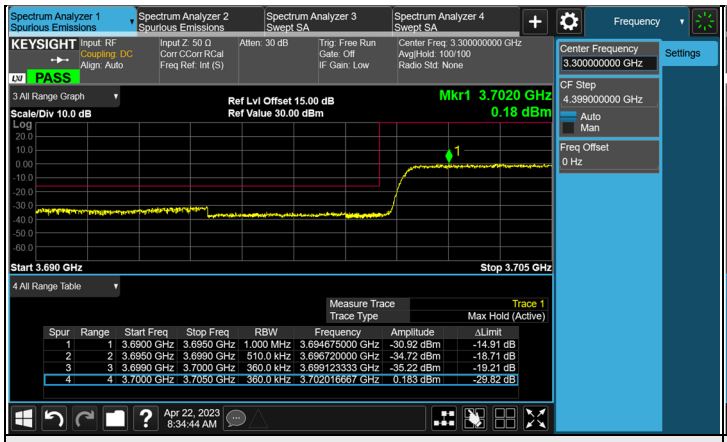
CH 656000 (3840.00 MHz)



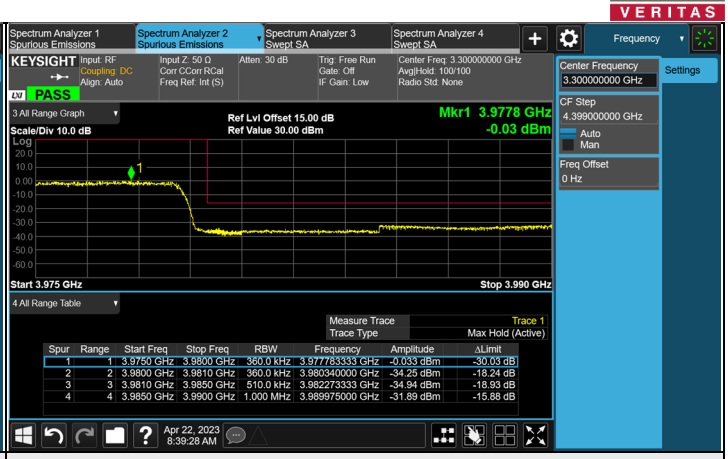


CH 662000 (3930.00 MHz)

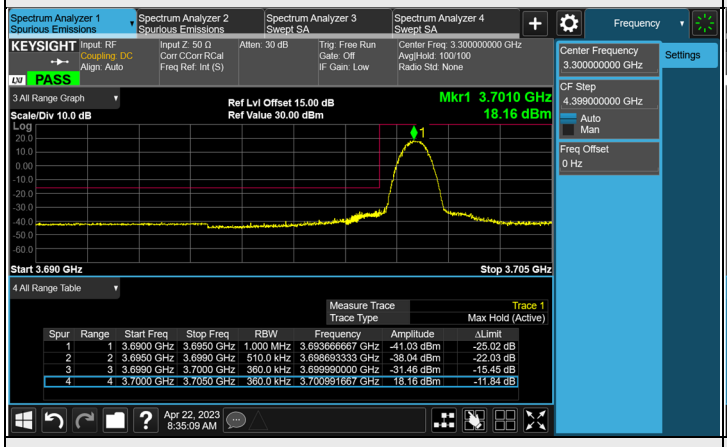
*The 9kHz signal over the limit is from Spectrum.



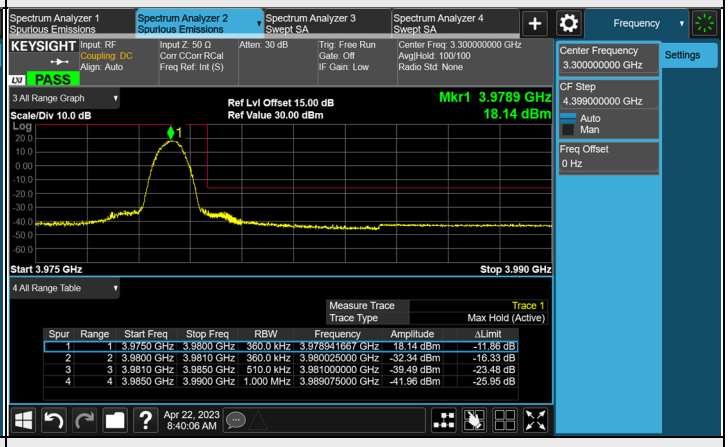
FULL CH 650000 (3750.00 MHz)



FULL CH 662000 (3930.00 MHz)



1RB CH 650000 (3750.00 MHz)



1RB CH 662000 (3930.00 MHz)

7.6 Radiated Spurious Emissions below 1GHz

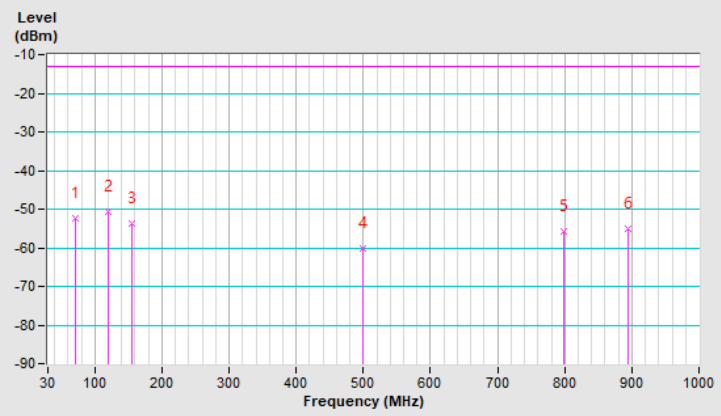
7.6.1 NR n77 (3450-3550 MHz) SCS 30 kHz (MIMO)

RF Mode	NR n77 Channel Bandwidth: 10MHz	Channel	CH 636332：3544.98 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 78% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	71.71	-52.32	-13.00	-39.32	1.00 H	215	57.63	-109.95
2	119.24	-50.70	-13.00	-37.70	1.50 H	111	58.92	-109.62
3	155.13	-53.80	-13.00	-40.80	2.00 H	70	53.94	-107.74
4	499.48	-60.23	-13.00	-47.23	1.50 H	208	41.94	-102.17
5	799.21	-55.70	-13.00	-42.70	1.00 H	193	40.99	-96.69
6	894.27	-55.11	-13.00	-42.11	2.00 H	35	41.24	-96.35

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

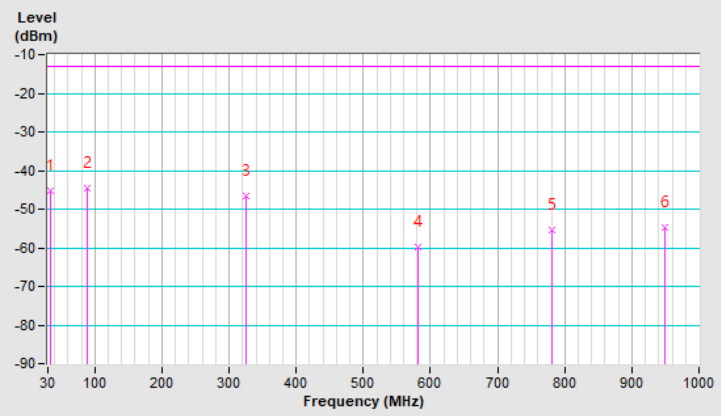


RF Mode	NR n77 Channel Bandwidth: 10MHz	Channel	CH 636332：3544.98 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 78% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.88	-45.38	-13.00	-32.38	1.00 V	71	62.62	-108.00
2	89.17	-44.65	-13.00	-31.65	1.50 V	208	68.62	-113.27
3	325.85	-46.48	-13.00	-33.48	1.50 V	349	59.88	-106.36
4	581.93	-59.69	-13.00	-46.69	2.00 V	2	41.33	-101.02
5	781.75	-55.46	-13.00	-42.46	1.50 V	2	41.36	-96.82
6	948.59	-54.87	-13.00	-41.87	1.00 V	322	40.82	-95.69

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



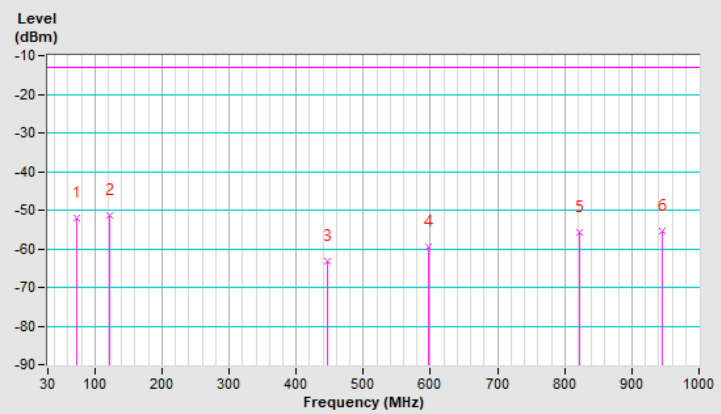
7.6.2 NR n77 (3700-3980 MHz) SCS 30 kHz (MIMO)

RF Mode	NR n77 Channel Bandwidth: 10MHz	Channel	CH 665000：3975.00 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 78% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	72.68	-52.06	-13.00	-39.06	2.00 H	228	58.10	-110.16
2	121.18	-51.39	-13.00	-38.39	1.50 H	121	58.00	-109.39
3	446.13	-63.14	-13.00	-50.14	1.00 H	18	40.28	-103.42
4	596.48	-59.57	-13.00	-46.57	1.50 H	50	41.14	-100.71
5	822.49	-55.75	-13.00	-42.75	1.50 H	111	40.97	-96.72
6	944.71	-55.27	-13.00	-42.27	1.00 H	46	40.51	-95.78

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

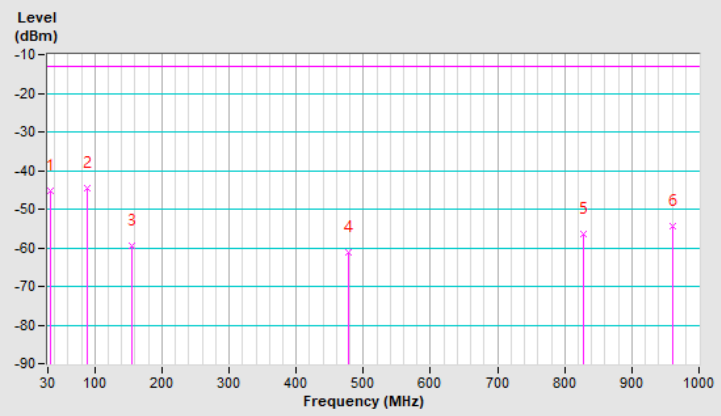


RF Mode	NR n77 Channel Bandwidth: 10MHz	Channel	CH 665000：3975.00 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	24°C, 78% RH
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	34.85	-45.36	-13.00	-32.36	2.00 V	88	62.81	-108.17
2	**89.17**	**-44.62**	**-13.00**	**-31.62**	**2.00 V**	**194**	**68.65**	**-113.27**
3	156.10	-59.60	-13.00	-46.60	1.50 V	2	48.13	-107.73
4	477.17	-61.15	-13.00	-48.15	1.00 V	44	41.55	-102.70
5	828.31	-56.39	-13.00	-43.39	1.50 V	253	40.38	-96.77
6	961.20	-54.57	-13.00	-41.57	1.00 V	58	40.90	-95.47

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



7.7 Radiated Spurious Emissions above 1GHz

7.7.1 NR n77 (3450-3550 MHz) SCS 30 kHz (MIMO)

RF Mode	NR n77 Channel Bandwidth: 10MHz	Channel	CH 630334：3455.01 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 67% RH
Tested By	Vincent Chen / Thomas Cheng		

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	6910.02	-46.31	-13.00	-33.31	1.63 H	278	55.26	-101.57
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	6910.02	-48.38	-13.00	-35.38	2.36 V	155	53.19	-101.57

Remarks:

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

RF Mode	NR n77 Channel Bandwidth: 10MHz	Channel	CH 633334：3500.01 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 67% RH
Tested By	Vincent Chen / Thomas Cheng		

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	-45.30	-13.00	-32.30	1.78 H	253	55.62	-100.92
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	-47.39	-13.00	-34.39	2.32 V	168	53.53	-100.92

Remarks:

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

RF Mode	NR n77 Channel Bandwidth: 10MHz	Channel	CH 636332：3544.98 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 67% RH
Tested By	Vincent Chen / Thomas Cheng		

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	7089.96	-44.71	-13.00	-31.71	1.23 H	278	55.23	-99.94
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	7089.96	-46.75	-13.00	-33.75	2.56 V	196	53.19	-99.94

Remarks:

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

RF Mode	NR n77 Channel Bandwidth: 50MHz	Channel	CH 631668：3475.02 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 67% RH
Tested By	Vincent Chen / Thomas Cheng		

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	-46.13	-13.00	-33.13	1.66 H	205	55.18	-101.31
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	-48.15	-13.00	-35.15	2.03 V	187	53.16	-101.31

Remarks:

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

RF Mode	NR n77 Channel Bandwidth: 50MHz	Channel	CH 633334：3500.01 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 67% RH
Tested By	Vincent Chen / Thomas Cheng		

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	-44.77	-13.00	-31.77	1.36 H	225	56.15	-100.92
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	-46.90	-13.00	-33.90	2.31 V	153	54.02	-100.92

Remarks:

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

RF Mode	NR n77 Channel Bandwidth: 50MHz	Channel	CH 635000：3525.00 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 67% RH
Tested By	Vincent Chen / Thomas Cheng		

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	-45.00	-13.00	-32.00	1.82 H	233	55.22	-100.22
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	-47.14	-13.00	-34.14	2.63 V	155	53.08	-100.22

Remarks:

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

RF Mode	NR n77 Channel Bandwidth: 100MHz	Channel	CH 633334：3500.01 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 67% RH
Tested By	Vincent Chen / Thomas Cheng		

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	-45.47	-13.00	-32.47	1.52 H	222	55.45	-100.92
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	-47.33	-13.00	-34.33	2.52 V	171	53.59	-100.92

Remarks:

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

7.7.2 NR n77 (3700-3980 MHz) SCS 30 kHz (MIMO)

RF Mode	NR n77 Channel Bandwidth: 10MHz	Channel	CH 647000：3705.00 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 67% RH
Tested By	Vincent Chen / Thomas Cheng		

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	7410.00	-44.06	-13.00	-31.06	1.34 H	232	55.16	-99.22
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	7410.00	-45.99	-13.00	-32.99	2.36 V	144	53.23	-99.22

Remarks:

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

RF Mode	NR n77 Channel Bandwidth: 10MHz	Channel	CH 656000：3840 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 67% RH
Tested By	Vincent Chen / Thomas Cheng		

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	-43.34	-13.00	-30.34	1.47 H	203	55.56	-98.90
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	-45.28	-13.00	-32.28	2.24 V	141	53.62	-98.90

Remarks:

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

RF Mode	NR n77 Channel Bandwidth: 10MHz	Channel	CH 665000：3975.00 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 67% RH
Tested By	Vincent Chen / Thomas Cheng		

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	**7950.00**	**-42.16**	**-13.00**	**-29.16**	**1.52 H**	**222**	**55.34**	**-97.50**
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7950.00	-44.27	-13.00	-31.27	2.63 V	178	53.23	-97.50

Remarks:

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

RF Mode	NR n77 Channel Bandwidth: 50MHz	Channel	CH 648334：3725.01 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 67% RH
Tested By	Vincent Chen / Thomas Cheng		

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	-43.73	-13.00	-30.73	1.37 H	220	55.23	-98.96
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7450.02	-45.80	-13.00	-32.80	2.39 V	110	53.16	-98.96

Remarks:

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

RF Mode	NR n77 Channel Bandwidth: 50MHz	Channel	CH 656000：3840 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 67% RH
Tested By	Vincent Chen / Thomas Cheng		

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	-42.56	-13.00	-29.56	1.53 H	265	56.34	-98.90
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	-44.78	-13.00	-31.78	2.63 V	135	54.12	-98.90

Remarks:

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

RF Mode	NR n77 Channel Bandwidth: 50MHz	Channel	CH 663666：3954.99 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 67% RH
Tested By	Vincent Chen / Thomas Cheng		

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	-42.60	-13.00	-29.60	1.74 H	293	55.17	-97.77
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	-44.67	-13.00	-31.67	2.93 V	168	53.10	-97.77

Remarks:

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

RF Mode	NR n77 Channel Bandwidth: 100MHz	Channel	CH 650000：3750 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 67% RH
Tested By	Vincent Chen / Thomas Cheng		

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	7500.00	-43.79	-13.00	-30.79	1.23 H	267	55.42	-99.21
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	7500.00	-45.62	-13.00	-32.62	2.31 V	212	53.59	-99.21

Remarks:

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

RF Mode	NR n77 Channel Bandwidth: 100MHz	Channel	CH 656000：3840 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 67% RH
Tested By	Vincent Chen / Thomas Cheng		

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	-43.18	-13.00	-30.18	1.36 H	224	55.72	-98.90
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	-45.27	-13.00	-32.27	2.39 V	178	53.63	-98.90

Remarks:

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

RF Mode	NR n77 Channel Bandwidth: 100MHz	Channel	CH 662000：3930 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	20°C, 67% RH
Tested By	Vincent Chen / Thomas Cheng		

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	7860.00	-42.90	-13.00	-29.90	1.29 H	252	55.25	-98.15
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	7860.00	-44.87	-13.00	-31.87	2.36 V	144	53.28	-98.15

Remarks:

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

7.8 Frequency Stability

Environmental Conditions:	25°C, 60% RH	Tested By:	Frank Liu

7.8.1 NR n77 (3450-3550 MHz) SCS 30 kHz (Ant.: M1)

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 630334 (3455.01 MHz)		CH 636332 (3544.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3455.009997	-0.0009	3544.979998	-0.0006
120	3455.010001	0.0003	3544.980001	0.0003
108	3455.010001	0.0003	3544.980002	0.0006

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 630334 (3455.01 MHz)		CH 636332 (3544.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3455.010002	0.0006	3544.979997	-0.0008
-20	3455.009998	-0.0006	3544.979998	-0.0006
-10	3455.009996	-0.0012	3544.979999	-0.0003
0	3455.010003	0.0009	3544.980002	0.0006
10	3455.009998	-0.0006	3544.980001	0.0003
20	3455.009997	-0.0009	3544.980002	0.0006
30	3455.010002	0.0006	3544.979999	-0.0003
40	3455.010001	0.0003	3544.980004	0.0011
50	3455.009998	-0.0006	3544.979996	-0.0011

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 630500 (3457.5 MHz)		CH 636166 (3542.49 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3457.500001	0.0003	3542.489997	-0.0008
120	3457.500003	0.0009	3542.489998	-0.0006
108	3457.499996	-0.0012	3542.490004	0.0011

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 630500 (3457.5 MHz)		CH 636166 (3542.49 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3457.500001	0.0003	3542.489997	-0.0008
-20	3457.500003	0.0009	3542.489996	-0.0011
-10	3457.499996	-0.0012	3542.490003	0.0008
0	3457.499999	-0.0003	3542.490001	0.0003
10	3457.499999	-0.0003	3542.490004	0.0011
20	3457.500004	0.0012	3542.490001	0.0003
30	3457.500002	0.0006	3542.490004	0.0011
40	3457.500001	0.0003	3542.490001	0.0003
50	3457.500001	0.0003	3542.490002	0.0006

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

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 630668 (3460.02 MHz)		CH 636000 (3540.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3460.019999	-0.0003	3540.000003	0.0008
120	3460.019999	-0.0003	3540.000004	0.0011
108	3460.020003	0.0009	3539.999997	-0.0008

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 630668 (3460.02 MHz)		CH 636000 (3540.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3460.020002	0.0006	3540.000004	0.0011
-20	3460.019999	-0.0003	3540.000001	0.0003
-10	3460.019998	-0.0006	3539.999997	-0.0008
0	3460.020004	0.0012	3539.999999	-0.0003
10	3460.020002	0.0006	3540.000004	0.0011
20	3460.020004	0.0012	3540.000002	0.0006
30	3460.019996	-0.0012	3540.000003	0.0008
40	3460.019996	-0.0012	3540.000001	0.0003
50	3460.019997	-0.0009	3539.999996	-0.0011

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

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 631000 (3465.00 MHz)		CH 635666 (3534.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3465.000005	0.0014	3534.990001	0.0003
120	3465.000002	0.0006	3534.990004	0.0011
108	3465.000001	0.0003	3534.990003	0.0008

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 631000 (3465.00 MHz)		CH 635666 (3534.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3465.000001	0.0003	3534.990002	0.0006
-20	3465.000003	0.0009	3534.990003	0.0008
-10	3465.000004	0.0012	3534.990005	0.0014
0	3465.000004	0.0012	3534.990003	0.0008
10	3464.999997	-0.0009	3534.989995	-0.0014
20	3464.999997	-0.0009	3534.989998	-0.0006
30	3464.999998	-0.0006	3534.989999	-0.0003
40	3464.999998	-0.0006	3534.989995	-0.0014
50	3464.999995	-0.0014	3534.989996	-0.0011

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

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 631334 (3470.01 MHz)		CH 635332 (3529.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3470.009998	-0.0006	3529.980002	0.0006
120	3470.010003	0.0009	3529.980004	0.0011
108	3470.010001	0.0003	3529.979998	-0.0006

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 631334 (3470.01 MHz)		CH 635332 (3529.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3470.009997	-0.0009	3529.980002	0.0006
-20	3470.010003	0.0009	3529.980003	0.0008
-10	3470.010002	0.0006	3529.979999	-0.0003
0	3470.010002	0.0006	3529.979998	-0.0006
10	3470.009997	-0.0009	3529.979998	-0.0006
20	3470.009998	-0.0006	3529.980002	0.0006
30	3470.009999	-0.0003	3529.979996	-0.0011
40	3470.009997	-0.0009	3529.979999	-0.0003
50	3470.009999	-0.0003	3529.979997	-0.0008

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

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 631668 (3475.02 MHz)		CH 635000 (3525.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3475.019999	-0.0003	3525.000003	0.0008
120	3475.020004	0.0012	3525.000004	0.0011
108	3475.020002	0.0006	3524.999997	-0.0008

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 631668 (3475.02 MHz)		CH 635000 (3525.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3475.019996	-0.0012	3524.999998	-0.0006
-20	3475.020002	0.0006	3524.999999	-0.0003
-10	3475.020002	0.0006	3524.999998	-0.0006
0	3475.019997	-0.0009	3524.999996	-0.0011
10	3475.019996	-0.0012	3524.999999	-0.0003
20	3475.019996	-0.0012	3524.999997	-0.0008
30	3475.019996	-0.0012	3525.000003	0.0008
40	3475.020003	0.0009	3524.999998	-0.0006
50	3475.019996	-0.0012	3524.999998	-0.0006

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 60 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 632000 (3480.00 MHz)		CH 634666 (3519.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3480.000004	0.0012	3519.989998	-0.0006
120	3479.999999	-0.0003	3519.990001	0.0003
108	3479.999997	-0.0009	3519.990002	0.0006

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 632000 (3480.00 MHz)		CH 634666 (3519.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3479.999996	-0.0012	3519.989997	-0.0008
-20	3480.000001	0.0003	3519.990004	0.0011
-10	3479.999998	-0.0006	3519.989998	-0.0006
0	3480.000002	0.0006	3519.989998	-0.0006
10	3479.999996	-0.0012	3519.989997	-0.0008
20	3479.999997	-0.0009	3519.990004	0.0011
30	3480.000003	0.0009	3519.990004	0.0011
40	3480.000001	0.0003	3519.989997	-0.0008
50	3480.000002	0.0006	3519.989998	-0.0006

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 70 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 632334 (3485.01 MHz)		CH 634332 (3514.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3485.010004	0.0012	3514.980003	0.0008
120	3485.009996	-0.0012	3514.980002	0.0006
108	3485.009999	-0.0003	3514.979996	-0.0011

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 632334 (3485.01 MHz)		CH 634332 (3514.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3485.010004	0.0012	3514.979999	-0.0003
-20	3485.010001	0.0003	3514.979996	-0.0011
-10	3485.009999	-0.0003	3514.979999	-0.0003
0	3485.010002	0.0006	3514.979999	-0.0003
10	3485.009999	-0.0003	3514.979996	-0.0011
20	3485.010004	0.0012	3514.979999	-0.0003
30	3485.010003	0.0009	3514.979998	-0.0006
40	3485.010002	0.0006	3514.979996	-0.0011
50	3485.010002	0.0006	3514.980002	0.0006

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 80 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 632668 (3490.02 MHz)		CH 634000 (3510.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3490.019998	-0.0006	3509.999996	-0.0011
120	3490.019997	-0.0009	3510.000001	0.0003
108	3490.020003	0.0009	3509.999997	-0.0008

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 632668 (3490.02 MHz)		CH 634000 (3510.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3490.019998	-0.0006	3509.999999	-0.0003
-20	3490.020002	0.0006	3509.999999	-0.0003
-10	3490.019998	-0.0006	3510.000003	0.0008
0	3490.019997	-0.0009	3509.999999	-0.0003
10	3490.019996	-0.0012	3509.999996	-0.0011
20	3490.019998	-0.0006	3510.000002	0.0006
30	3490.020002	0.0006	3509.999997	-0.0008
40	3490.019997	-0.0009	3510.000001	0.0003
50	3490.020002	0.0006	3510.000001	0.0003

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 90 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 633000 (3495.00 MHz)		CH 633666 (3504.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3494.999997	-0.0009	3504.990002	0.0006
120	3495.000003	0.0009	3504.989999	-0.0003
108	3494.999998	-0.0006	3504.990002	0.0006

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 633000 (3495.00 MHz)		CH 633666 (3504.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3495.000004	0.0012	3504.989996	-0.0011
-20	3495.000001	0.0003	3504.989997	-0.0008
-10	3495.000002	0.0006	3504.990004	0.0011
0	3494.999996	-0.0012	3504.990003	0.0008
10	3494.999996	-0.0012	3504.990002	0.0006
20	3494.999998	-0.0006	3504.990002	0.0006
30	3495.000002	0.0006	3504.989999	-0.0003
40	3494.999998	-0.0006	3504.990002	0.0006
50	3494.999997	-0.0009	3504.989997	-0.0008

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 100 MHz

Frequency Stability Versus Voltage		
Voltage (Vac)	CH 633334 (3500.01 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
132	3500.010001	0.0003
120	3500.009997	-0.0009
108	3500.010004	0.0011

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature		
Temperature (℃)	CH 633334 (3500.01 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-30	3500.009998	-0.0006
-20	3500.009999	-0.0003
-10	3500.009997	-0.0009
0	3500.010003	0.0009
10	3500.010001	0.0003
20	3500.009996	-0.0011
30	3500.009999	-0.0003
40	3500.010001	0.0003
50	3500.009997	-0.0009

7.8.2 NR n77 (3450-3550 MHz) SCS 30 kHz (Ant.: M2)

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 630334 (3455.01 MHz)		CH 636332 (3544.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3455.010004	0.0012	3544.979996	-0.0011
120	3455.010002	0.0006	3544.979999	-0.0003
108	3455.010001	0.0003	3544.979998	-0.0006

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 630334 (3455.01 MHz)		CH 636332 (3544.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3455.009999	-0.0003	3544.979999	-0.0003
-20	3455.010001	0.0003	3544.979999	-0.0003
-10	3455.009996	-0.0012	3544.979997	-0.0008
0	3455.010001	0.0003	3544.980003	0.0008
10	3455.009999	-0.0003	3544.979999	-0.0003
20	3455.010003	0.0009	3544.979997	-0.0008
30	3455.009998	-0.0006	3544.979996	-0.0011
40	3455.010001	0.0003	3544.979997	-0.0008
50	3455.010004	0.0012	3544.979996	-0.0011

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 630500 (3457.5 MHz)		CH 636166 (3542.49 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3457.500003	0.0009	3542.490002	0.0006
120	3457.499997	-0.0009	3542.489996	-0.0011
108	3457.500004	0.0012	3542.489998	-0.0006

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 630500 (3457.5 MHz)		CH 636166 (3542.49 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3457.499996	-0.0012	3542.490002	0.0006
-20	3457.500003	0.0009	3542.490002	0.0006
-10	3457.500004	0.0012	3542.489997	-0.0008
0	3457.500001	0.0003	3542.490001	0.0003
10	3457.499999	-0.0003	3542.489997	-0.0008
20	3457.500002	0.0006	3542.490004	0.0011
30	3457.500002	0.0006	3542.490003	0.0008
40	3457.500001	0.0003	3542.489998	-0.0006
50	3457.500001	0.0003	3542.489998	-0.0006

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

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 630668 (3460.02 MHz)		CH 636000 (3540.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3460.020001	0.0003	3539.999998	-0.0006
120	3460.019999	-0.0003	3540.000004	0.0011
108	3460.019997	-0.0009	3540.000004	0.0011

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 630668 (3460.02 MHz)		CH 636000 (3540.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3460.019999	-0.0003	3540.000004	0.0011
-20	3460.020003	0.0009	3540.000002	0.0006
-10	3460.019999	-0.0003	3539.999999	-0.0003
0	3460.020001	0.0003	3540.000004	0.0011
10	3460.019998	-0.0006	3539.999999	-0.0003
20	3460.019996	-0.0012	3539.999999	-0.0003
30	3460.019996	-0.0012	3540.000003	0.0008
40	3460.020004	0.0012	3540.000001	0.0003
50	3460.019996	-0.0012	3540.000001	0.0003

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

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 631000 (3465.00 MHz)		CH 635666 (3534.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3465.000004	0.0012	3534.990004	0.0011
120	3465.000001	0.0003	3534.990001	0.0003
108	3465.000001	0.0003	3534.990002	0.0006

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 631000 (3465.00 MHz)		CH 635666 (3534.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3465.000004	0.0012	3534.990001	0.0003
-20	3465.000001	0.0003	3534.990004	0.0011
-10	3465.000004	0.0012	3534.990002	0.0006
0	3465.000005	0.0014	3534.990001	0.0003
10	3464.999998	-0.0006	3534.989996	-0.0011
20	3464.999997	-0.0009	3534.989998	-0.0006
30	3464.999998	-0.0006	3534.989997	-0.0008
40	3464.999999	-0.0003	3534.989999	-0.0003
50	3464.999996	-0.0012	3534.989995	-0.0014

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

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 631334 (3470.01 MHz)		CH 635332 (3529.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3470.010004	0.0012	3529.979999	-0.0003
120	3470.010003	0.0009	3529.980001	0.0003
108	3470.010001	0.0003	3529.979997	-0.0008

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 631334 (3470.01 MHz)		CH 635332 (3529.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3470.009998	-0.0006	3529.979999	-0.0003
-20	3470.009998	-0.0006	3529.979998	-0.0006
-10	3470.010003	0.0009	3529.979998	-0.0006
0	3470.009999	-0.0003	3529.979996	-0.0011
10	3470.009997	-0.0009	3529.980001	0.0003
20	3470.009999	-0.0003	3529.980003	0.0008
30	3470.009999	-0.0003	3529.980003	0.0008
40	3470.010004	0.0012	3529.979999	-0.0003
50	3470.009999	-0.0003	3529.979997	-0.0008

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

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 631668 (3475.02 MHz)		CH 635000 (3525.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3475.019997	-0.0009	3525.000002	0.0006
120	3475.019999	-0.0003	3525.000003	0.0008
108	3475.019997	-0.0009	3525.000003	0.0008

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 631668 (3475.02 MHz)		CH 635000 (3525.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3475.020002	0.0006	3524.999999	-0.0003
-20	3475.020003	0.0009	3525.000003	0.0008
-10	3475.020004	0.0012	3525.000001	0.0003
0	3475.020004	0.0012	3525.000003	0.0008
10	3475.020002	0.0006	3524.999998	-0.0006
20	3475.019999	-0.0003	3525.000003	0.0008
30	3475.019998	-0.0006	3525.000002	0.0006
40	3475.019996	-0.0012	3524.999999	-0.0003
50	3475.019997	-0.0009	3524.999999	-0.0003

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 60 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 632000 (3480.00 MHz)		CH 634666 (3519.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3479.999999	-0.0003	3519.990004	0.0011
120	3480.000004	0.0012	3519.989997	-0.0008
108	3480.000004	0.0012	3519.990001	0.0003

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 632000 (3480.00 MHz)		CH 634666 (3519.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3479.999997	-0.0009	3519.990004	0.0011
-20	3479.999998	-0.0006	3519.989997	-0.0008
-10	3480.000003	0.0009	3519.990003	0.0008
0	3480.000004	0.0012	3519.990001	0.0003
10	3480.000003	0.0009	3519.989997	-0.0008
20	3479.999998	-0.0006	3519.990004	0.0011
30	3480.000003	0.0009	3519.990001	0.0003
40	3479.999996	-0.0012	3519.990004	0.0011
50	3479.999999	-0.0003	3519.990004	0.0011

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 70 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 632334 (3485.01 MHz)		CH 634332 (3514.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3485.009998	-0.0006	3514.980003	0.0008
120	3485.010004	0.0012	3514.980004	0.0011
108	3485.009996	-0.0012	3514.980004	0.0011

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 632334 (3485.01 MHz)		CH 634332 (3514.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3485.009999	-0.0003	3514.980001	0.0003
-20	3485.009996	-0.0012	3514.980003	0.0008
-10	3485.009999	-0.0003	3514.980001	0.0003
0	3485.009996	-0.0012	3514.979998	-0.0006
10	3485.010001	0.0003	3514.980004	0.0011
20	3485.009998	-0.0006	3514.979999	-0.0003
30	3485.009999	-0.0003	3514.979999	-0.0003
40	3485.009999	-0.0003	3514.980004	0.0011
50	3485.010004	0.0012	3514.979997	-0.0008

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 80 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 632668 (3490.02 MHz)		CH 634000 (3510.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3490.020003	0.0009	3510.000003	0.0008
120	3490.019998	-0.0006	3510.000001	0.0003
108	3490.020001	0.0003	3509.999996	-0.0011

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 632668 (3490.02 MHz)		CH 634000 (3510.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3490.020002	0.0006	3509.999997	-0.0008
-20	3490.019999	-0.0003	3509.999999	-0.0003
-10	3490.020001	0.0003	3509.999997	-0.0008
0	3490.020004	0.0012	3510.000001	0.0003
10	3490.020002	0.0006	3510.000001	0.0003
20	3490.019997	-0.0009	3510.000004	0.0011
30	3490.020002	0.0006	3510.000003	0.0008
40	3490.019996	-0.0012	3509.999997	-0.0008
50	3490.019999	-0.0003	3510.000003	0.0008

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 90 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 633000 (3495.00 MHz)		CH 633666 (3504.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3494.999997	-0.0009	3504.990004	0.0011
120	3494.999996	-0.0012	3504.989997	-0.0008
108	3494.999999	-0.0003	3504.989996	-0.0011

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 633000 (3495.00 MHz)		CH 633666 (3504.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3494.999996	-0.0012	3504.989998	-0.0006
-20	3495.000001	0.0003	3504.990003	0.0008
-10	3495.000003	0.0009	3504.989997	-0.0008
0	3494.999997	-0.0009	3504.990001	0.0003
10	3495.000002	0.0006	3504.990002	0.0006
20	3495.000004	0.0012	3504.990002	0.0006
30	3494.999996	-0.0012	3504.990001	0.0003
40	3494.999999	-0.0003	3504.990001	0.0003
50	3494.999997	-0.0009	3504.989998	-0.0006

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 100 MHz

Frequency Stability Versus Voltage		
Voltage (Vac)	CH 633334 (3500.01 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
132	3500.009997	-0.0009
120	3500.009998	-0.0006
108	3500.009998	-0.0006

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature		
Temperature (℃)	CH 633334 (3500.01 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-30	3500.010003	0.0009
-20	3500.009998	-0.0006
-10	3500.010003	0.0009
0	3500.009997	-0.0009
10	3500.010001	0.0003
20	3500.009997	-0.0009
30	3500.009997	-0.0009
40	3500.010001	0.0003
50	3500.009999	-0.0003

7.8.3 NR n77 (3700-3980 MHz) SCS 30 kHz (Ant.: M1)

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 647000 (3705.00 MHz)		CH 665000 (3975.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3705.000001	0.0003	3974.999999	-0.0003
120	3704.999998	-0.0005	3975.000004	0.0010
108	3704.999997	-0.0008	3975.000002	0.0005

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 647000 (3705.00 MHz)		CH 665000 (3975.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3704.999996	-0.0011	3975.000003	0.0008
-20	3704.999998	-0.0005	3974.999996	-0.0010
-10	3705.000003	0.0008	3975.000003	0.0008
0	3705.000001	0.0003	3975.000003	0.0008
10	3705.000004	0.0011	3974.999996	-0.0010
20	3704.999997	-0.0008	3974.999996	-0.0010
30	3704.999998	-0.0005	3974.999997	-0.0008
40	3704.999997	-0.0008	3975.000002	0.0005
50	3705.000003	0.0008	3975.000004	0.0010

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 647168 (3707.52 MHz)		CH 664832 (3972.48 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3707.520002	0.0005	3972.479998	-0.0005
120	3707.519997	-0.0008	3972.480004	0.0010
108	3707.520002	0.0005	3972.479997	-0.0008

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 647168 (3707.52 MHz)		CH 664832 (3972.48 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3707.519996	-0.0011	3972.480003	0.0008
-20	3707.520004	0.0011	3972.480003	0.0008
-10	3707.520003	0.0008	3972.480003	0.0008
0	3707.519997	-0.0008	3972.480002	0.0005
10	3707.520003	0.0008	3972.480001	0.0003
20	3707.520003	0.0008	3972.479997	-0.0008
30	3707.519998	-0.0005	3972.480003	0.0008
40	3707.519996	-0.0011	3972.480004	0.0010
50	3707.519996	-0.0011	3972.480003	0.0008

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

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 647334 (3710.01 MHz)		CH 665666 (3969.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3710.009999	-0.0003	3969.990004	0.0010
120	3710.010003	0.0008	3969.989997	-0.0008
108	3710.009998	-0.0005	3969.990002	0.0005

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 647334 (3710.01 MHz)		CH 665666 (3969.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3710.009997	-0.0008	3969.990003	0.0008
-20	3710.010004	0.0011	3969.989998	-0.0005
-10	3710.009998	-0.0005	3969.990001	0.0003
0	3710.009997	-0.0008	3969.989996	-0.0010
10	3710.009998	-0.0005	3969.989996	-0.0010
20	3710.010001	0.0003	3969.989997	-0.0008
30	3710.010002	0.0005	3969.990003	0.0008
40	3710.009996	-0.0011	3969.989996	-0.0010
50	3710.009997	-0.0008	3969.990003	0.0008

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

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 647668 (3715.02 MHz)		CH 664332 (3964.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3715.020002	0.0005	3964.980002	0.0005
120	3715.020003	0.0008	3964.980003	0.0008
108	3715.020003	0.0008	3964.980003	0.0008

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 647668 (3715.02 MHz)		CH 664332 (3964.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3715.020004	0.0011	3964.980003	0.0008
-20	3715.020002	0.0005	3964.980001	0.0003
-10	3715.020004	0.0011	3964.980005	0.0013
0	3715.020004	0.0011	3964.980003	0.0008
10	3715.019995	-0.0013	3964.979998	-0.0005
20	3715.019999	-0.0003	3964.979998	-0.0005
30	3715.019998	-0.0005	3964.979995	-0.0013
40	3715.019998	-0.0005	3964.979996	-0.0010
50	3715.019996	-0.0011	3964.979996	-0.0010

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

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 648000 (3720.00 MHz)		CH 664000 (3960.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3719.999997	-0.0008	3959.999996	-0.0010
120	3720.000004	0.0011	3960.000001	0.0003
108	3720.000004	0.0011	3960.000003	0.0008

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 648000 (3720.00 MHz)		CH 664000 (3960.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3719.999996	-0.0011	3960.000003	0.0008
-20	3720.000002	0.0005	3960.000001	0.0003
-10	3720.000001	0.0003	3959.999999	-0.0003
0	3719.999997	-0.0008	3960.000002	0.0005
10	3719.999998	-0.0005	3960.000001	0.0003
20	3720.000002	0.0005	3959.999998	-0.0005
30	3719.999999	-0.0003	3960.000001	0.0003
40	3720.000002	0.0005	3960.000001	0.0003
50	3719.999997	-0.0008	3960.000001	0.0003

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

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 648334 (3725.01 MHz)		CH 663666 (3954.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3725.010004	0.0011	3954.989996	-0.0010
120	3725.009997	-0.0008	3954.989996	-0.0010
108	3725.010002	0.0005	3954.990002	0.0005

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 648334 (3725.01 MHz)		CH 663666 (3954.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3725.010002	0.0005	3954.990001	0.0003
-20	3725.010004	0.0011	3954.989999	-0.0003
-10	3725.010001	0.0003	3954.990003	0.0008
0	3725.010003	0.0008	3954.990002	0.0005
10	3725.010004	0.0011	3954.990001	0.0003
20	3725.010001	0.0003	3954.989997	-0.0008
30	3725.010004	0.0011	3954.990002	0.0005
40	3725.009998	-0.0005	3954.990003	0.0008
50	3725.010001	0.0003	3954.989997	-0.0008

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 60 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 648668 (3730.02 MHz)		CH 663332 (3949.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3730.019998	-0.0005	3949.979996	-0.0010
120	3730.019996	-0.0011	3949.979999	-0.0003
108	3730.020002	0.0005	3949.979999	-0.0003

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 648668 (3730.02 MHz)		CH 663332 (3949.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3730.020002	0.0005	3949.980001	0.0003
-20	3730.019996	-0.0011	3949.980002	0.0005
-10	3730.019999	-0.0003	3949.979998	-0.0005
0	3730.020001	0.0003	3949.979999	-0.0003
10	3730.020004	0.0011	3949.980003	0.0008
20	3730.020004	0.0011	3949.980002	0.0005
30	3730.019997	-0.0008	3949.979998	-0.0005
40	3730.019996	-0.0011	3949.979996	-0.0010
50	3730.019998	-0.0005	3949.980004	0.0010

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 70 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 649000 (3735.00 MHz)		CH 663000 (3945.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3734.999997	-0.0008	3944.999998	-0.0005
120	3734.999999	-0.0003	3944.999997	-0.0008
108	3735.000001	0.0003	3944.999996	-0.0010

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 649000 (3735.00 MHz)		CH 663000 (3945.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3735.000003	0.0008	3945.000001	0.0003
-20	3734.999997	-0.0008	3944.999997	-0.0008
-10	3734.999997	-0.0008	3944.999997	-0.0008
0	3734.999996	-0.0011	3945.000003	0.0008
10	3734.999996	-0.0011	3944.999997	-0.0008
20	3735.000004	0.0011	3944.999997	-0.0008
30	3735.000002	0.0005	3944.999998	-0.0005
40	3734.999999	-0.0003	3945.000002	0.0005
50	3735.000002	0.0005	3944.999999	-0.0003

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 80 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 649334 (3740.01 MHz)		CH 662666 (3939.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3740.009996	-0.0011	3939.989996	-0.0010
120	3740.010002	0.0005	3939.989998	-0.0005
108	3740.009997	-0.0008	3939.989999	-0.0003

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 649334 (3740.01 MHz)		CH 662666 (3939.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3740.009997	-0.0008	3939.990004	0.0010
-20	3740.009996	-0.0011	3939.989996	-0.0010
-10	3740.010002	0.0005	3939.989998	-0.0005
0	3740.010002	0.0005	3939.990001	0.0003
10	3740.009999	-0.0003	3939.990001	0.0003
20	3740.010001	0.0003	3939.990003	0.0008
30	3740.009996	-0.0011	3939.989996	-0.0010
40	3740.009997	-0.0008	3939.990001	0.0003
50	3740.009998	-0.0005	3939.989998	-0.0005

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 90 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 649668 (3745.02 MHz)		CH 662332 (3934.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3745.020001	0.0003	3934.979998	-0.0005
120	3745.020002	0.0005	3934.980002	0.0005
108	3745.020003	0.0008	3934.979999	-0.0003

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 649668 (3745.02 MHz)		CH 662332 (3934.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3745.020002	0.0005	3934.980002	0.0005
-20	3745.019999	-0.0003	3934.979999	-0.0003
-10	3745.020004	0.0011	3934.980002	0.0005
0	3745.019996	-0.0011	3934.980004	0.0010
10	3745.020001	0.0003	3934.979998	-0.0005
20	3745.019998	-0.0005	3934.979997	-0.0008
30	3745.020002	0.0005	3934.980003	0.0008
40	3745.020003	0.0008	3934.980003	0.0008
50	3745.020002	0.0005	3934.980004	0.0010

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 100 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 650000 (3750.00 MHz)		CH 662000 (3930.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3749.999996	-0.0011	3929.999999	-0.0003
120	3750.000002	0.0005	3929.999999	-0.0003
108	3749.999999	-0.0003	3930.000003	0.0008

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 650000 (3750.00 MHz)		CH 662000 (3930.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3749.999996	-0.0011	3930.000002	0.0005
-20	3750.000001	0.0003	3930.000002	0.0005
-10	3750.000003	0.0008	3929.999999	-0.0003
0	3749.999996	-0.0011	3929.999997	-0.0008
10	3750.000002	0.0005	3930.000002	0.0005
20	3750.000002	0.0005	3929.999999	-0.0003
30	3750.000003	0.0008	3930.000003	0.0008
40	3749.999998	-0.0005	3930.000001	0.0003
50	3749.999996	-0.0011	3929.999997	-0.0008

7.8.4 NR n77 (3700-3980 MHz) SCS 30 kHz (Ant.: M2)

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 647000 (3705.00 MHz)		CH 665000 (3975.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3705.000003	0.0008	3975.000002	0.0005
120	3704.999997	-0.0008	3975.000003	0.0008
108	3704.999998	-0.0005	3974.999999	-0.0003

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 647000 (3705.00 MHz)		CH 665000 (3975.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3705.000002	0.0005	3974.999998	-0.0005
-20	3705.000002	0.0005	3975.000001	0.0003
-10	3704.999998	-0.0005	3974.999998	-0.0005
0	3704.999998	-0.0005	3974.999999	-0.0003
10	3704.999997	-0.0008	3975.000001	0.0003
20	3705.000003	0.0008	3974.999997	-0.0008
30	3704.999996	-0.0011	3975.000004	0.0010
40	3704.999996	-0.0011	3974.999997	-0.0008
50	3704.999996	-0.0011	3975.000001	0.0003

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 647168 (3707.52 MHz)		CH 664832 (3972.48 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3707.520004	0.0011	3972.479998	-0.0005
120	3707.519999	-0.0003	3972.480002	0.0005
108	3707.520002	0.0005	3972.480002	0.0005

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 647168 (3707.52 MHz)		CH 664832 (3972.48 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3707.520003	0.0008	3972.480004	0.0010
-20	3707.519999	-0.0003	3972.480004	0.0010
-10	3707.519999	-0.0003	3972.479997	-0.0008
0	3707.519998	-0.0005	3972.480002	0.0005
10	3707.520004	0.0011	3972.479997	-0.0008
20	3707.519998	-0.0005	3972.479996	-0.0010
30	3707.519996	-0.0011	3972.479998	-0.0005
40	3707.520004	0.0011	3972.480003	0.0008
50	3707.520002	0.0005	3972.479997	-0.0008

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

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 647334 (3710.01 MHz)		CH 665666 (3969.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3710.009997	-0.0008	3969.990001	0.0003
120	3710.010002	0.0005	3969.990004	0.0010
108	3710.010003	0.0008	3969.989998	-0.0005

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 647334 (3710.01 MHz)		CH 665666 (3969.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3710.010004	0.0011	3969.989998	-0.0005
-20	3710.009997	-0.0008	3969.989997	-0.0008
-10	3710.010003	0.0008	3969.989999	-0.0003
0	3710.010003	0.0008	3969.989997	-0.0008
10	3710.010001	0.0003	3969.989997	-0.0008
20	3710.009997	-0.0008	3969.989996	-0.0010
30	3710.009997	-0.0008	3969.990003	0.0008
40	3710.009996	-0.0011	3969.990003	0.0008
50	3710.010001	0.0003	3969.990002	0.0005

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

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 647668 (3715.02 MHz)		CH 664332 (3964.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3715.020002	0.0005	3964.980002	0.0005
120	3715.020001	0.0003	3964.980005	0.0013
108	3715.020005	0.0013	3964.980005	0.0013

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 647668 (3715.02 MHz)		CH 664332 (3964.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3715.020005	0.0013	3964.980003	0.0008
-20	3715.020004	0.0011	3964.980002	0.0005
-10	3715.020001	0.0003	3964.980004	0.0010
0	3715.020005	0.0013	3964.980004	0.0010
10	3715.019999	-0.0003	3964.979999	-0.0003
20	3715.019998	-0.0005	3964.979995	-0.0013
30	3715.019995	-0.0013	3964.979999	-0.0003
40	3715.019995	-0.0013	3964.979997	-0.0008
50	3715.019999	-0.0003	3964.979995	-0.0013

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

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 648000 (3720.00 MHz)		CH 664000 (3960.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3720.000003	0.0008	3960.000001	0.0003
120	3720.000004	0.0011	3959.999998	-0.0005
108	3720.000001	0.0003	3960.000002	0.0005

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 648000 (3720.00 MHz)		CH 664000 (3960.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3719.999996	-0.0011	3959.999999	-0.0003
-20	3720.000003	0.0008	3960.000004	0.0010
-10	3719.999998	-0.0005	3959.999998	-0.0005
0	3720.000002	0.0005	3959.999997	-0.0008
10	3720.000004	0.0011	3960.000002	0.0005
20	3720.000003	0.0008	3959.999999	-0.0003
30	3719.999996	-0.0011	3959.999997	-0.0008
40	3719.999999	-0.0003	3959.999999	-0.0003
50	3719.999996	-0.0011	3960.000004	0.0010

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

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 648334 (3725.01 MHz)		CH 663666 (3954.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3725.009999	-0.0003	3954.990002	0.0005
120	3725.009997	-0.0008	3954.990002	0.0005
108	3725.009996	-0.0011	3954.989997	-0.0008

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 648334 (3725.01 MHz)		CH 663666 (3954.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3725.009997	-0.0008	3954.990001	0.0003
-20	3725.010004	0.0011	3954.990002	0.0005
-10	3725.009997	-0.0008	3954.989999	-0.0003
0	3725.009998	-0.0005	3954.989999	-0.0003
10	3725.010002	0.0005	3954.989999	-0.0003
20	3725.010001	0.0003	3954.989997	-0.0008
30	3725.009996	-0.0011	3954.990004	0.0010
40	3725.009997	-0.0008	3954.989998	-0.0005
50	3725.010003	0.0008	3954.989996	-0.0010

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 60 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 648668 (3730.02 MHz)		CH 663332 (3949.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3730.020003	0.0008	3949.979999	-0.0003
120	3730.019996	-0.0011	3949.979999	-0.0003
108	3730.020004	0.0011	3949.980002	0.0005

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 648668 (3730.02 MHz)		CH 663332 (3949.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3730.019996	-0.0011	3949.979996	-0.0010
-20	3730.020001	0.0003	3949.979998	-0.0005
-10	3730.020003	0.0008	3949.980002	0.0005
0	3730.020004	0.0011	3949.979998	-0.0005
10	3730.020002	0.0005	3949.980002	0.0005
20	3730.020003	0.0008	3949.979996	-0.0010
30	3730.019998	-0.0005	3949.980003	0.0008
40	3730.019997	-0.0008	3949.979996	-0.0010
50	3730.020001	0.0003	3949.979999	-0.0003

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 70 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 649000 (3735.00 MHz)		CH 663000 (3945.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3735.000003	0.0008	3945.000002	0.0005
120	3735.000002	0.0005	3945.000004	0.0010
108	3735.000004	0.0011	3944.999998	-0.0005

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 649000 (3735.00 MHz)		CH 663000 (3945.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3735.000002	0.0005	3945.000004	0.0010
-20	3735.000001	0.0003	3945.000001	0.0003
-10	3735.000001	0.0003	3944.999998	-0.0005
0	3735.000001	0.0003	3944.999998	-0.0005
10	3735.000001	0.0003	3945.000001	0.0003
20	3734.999997	-0.0008	3945.000004	0.0010
30	3735.000002	0.0005	3944.999997	-0.0008
40	3734.999999	-0.0003	3945.000001	0.0003
50	3735.000004	0.0011	3945.000001	0.0003

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 80 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 649334 (3740.01 MHz)		CH 662666 (3939.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3740.009998	-0.0005	3939.990002	0.0005
120	3740.009996	-0.0011	3939.989999	-0.0003
108	3740.010004	0.0011	3939.989996	-0.0010

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 649334 (3740.01 MHz)		CH 662666 (3939.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3740.010003	0.0008	3939.989999	-0.0003
-20	3740.009996	-0.0011	3939.989996	-0.0010
-10	3740.009999	-0.0003	3939.989996	-0.0010
0	3740.009999	-0.0003	3939.990001	0.0003
10	3740.009996	-0.0011	3939.989998	-0.0005
20	3740.009998	-0.0005	3939.989998	-0.0005
30	3740.010001	0.0003	3939.990004	0.0010
40	3740.009998	-0.0005	3939.990001	0.0003
50	3740.009996	-0.0011	3939.990001	0.0003

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 90 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 649668 (3745.02 MHz)		CH 662332 (3934.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3745.019996	-0.0011	3934.979999	-0.0003
120	3745.020003	0.0008	3934.979997	-0.0008
108	3745.020002	0.0005	3934.979996	-0.0010

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 649668 (3745.02 MHz)		CH 662332 (3934.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3745.020004	0.0011	3934.980003	0.0008
-20	3745.020004	0.0011	3934.980003	0.0008
-10	3745.020002	0.0005	3934.979996	-0.0010
0	3745.019997	-0.0008	3934.979998	-0.0005
10	3745.019997	-0.0008	3934.979997	-0.0008
20	3745.019997	-0.0008	3934.979997	-0.0008
30	3745.019999	-0.0003	3934.980003	0.0008
40	3745.019998	-0.0005	3934.980002	0.0005
50	3745.020004	0.0011	3934.980003	0.0008

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 100 MHz

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 650000 (3750.00 MHz)		CH 662000 (3930.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
132	3750.000002	0.0005	3930.000002	0.0005
120	3750.000003	0.0008	3930.000001	0.0003
108	3750.000003	0.0008	3929.999997	-0.0008

Note: The applicant defined the normal working voltage is from 108 to 132 Vac.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 650000 (3750.00 MHz)		CH 662000 (3930.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3750.000003	0.0008	3929.999997	-0.0008
-20	3750.000001	0.0003	3930.000004	0.0010
-10	3749.999999	-0.0003	3929.999998	-0.0005
0	3750.000001	0.0003	3929.999999	-0.0003
10	3750.000001	0.0003	3930.000001	0.0003
20	3750.000003	0.0008	3930.000003	0.0008
30	3749.999999	-0.0003	3930.000004	0.0010
40	3750.000002	0.0005	3929.999998	-0.0005
50	3750.000003	0.0008	3929.999999	-0.0003

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.

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

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