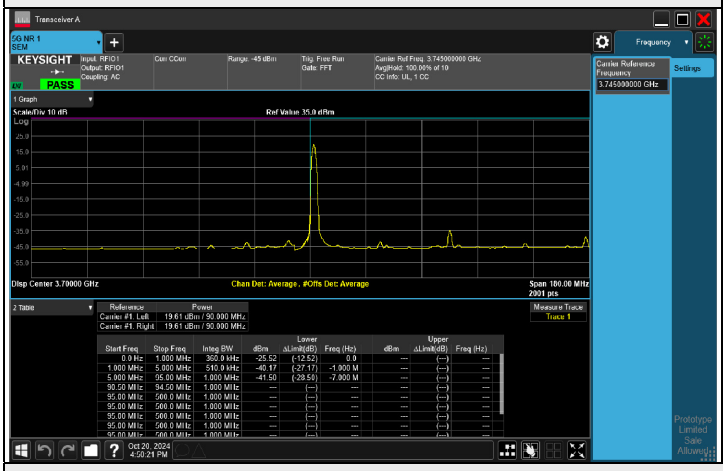
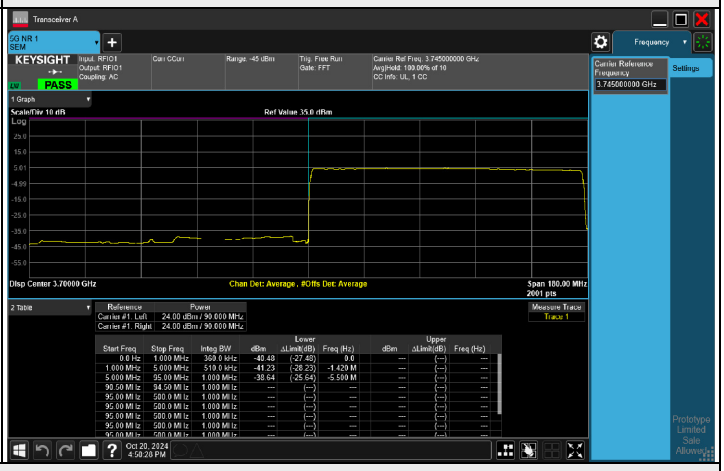
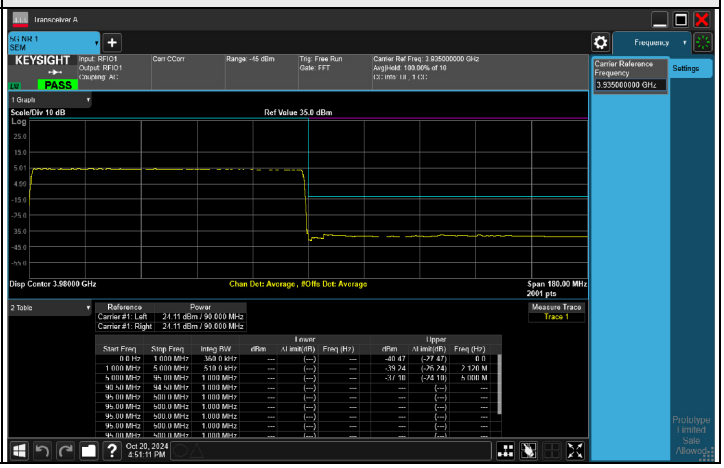
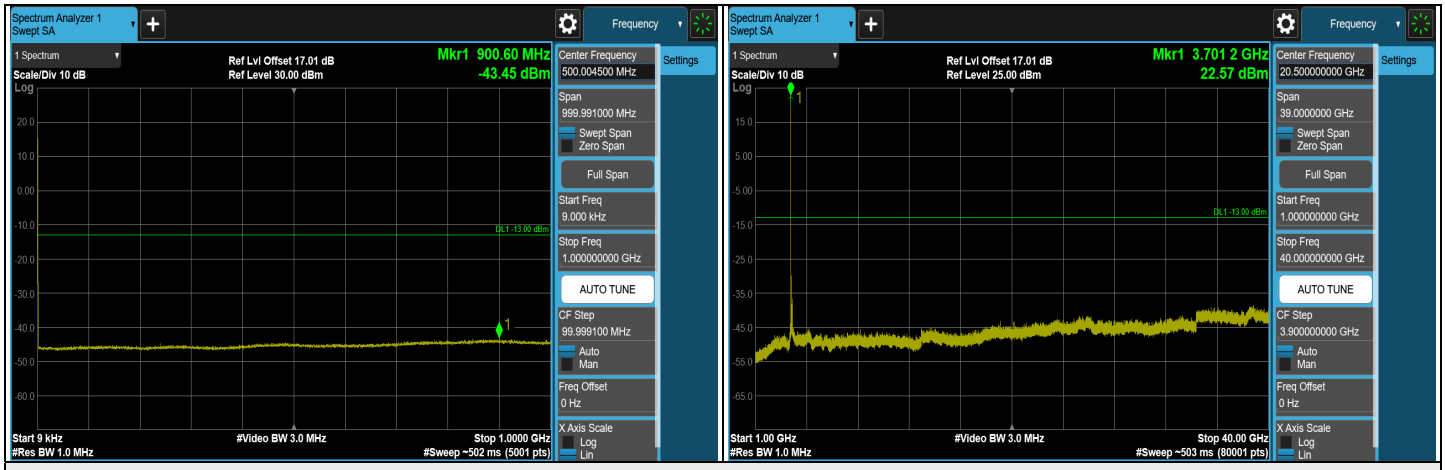
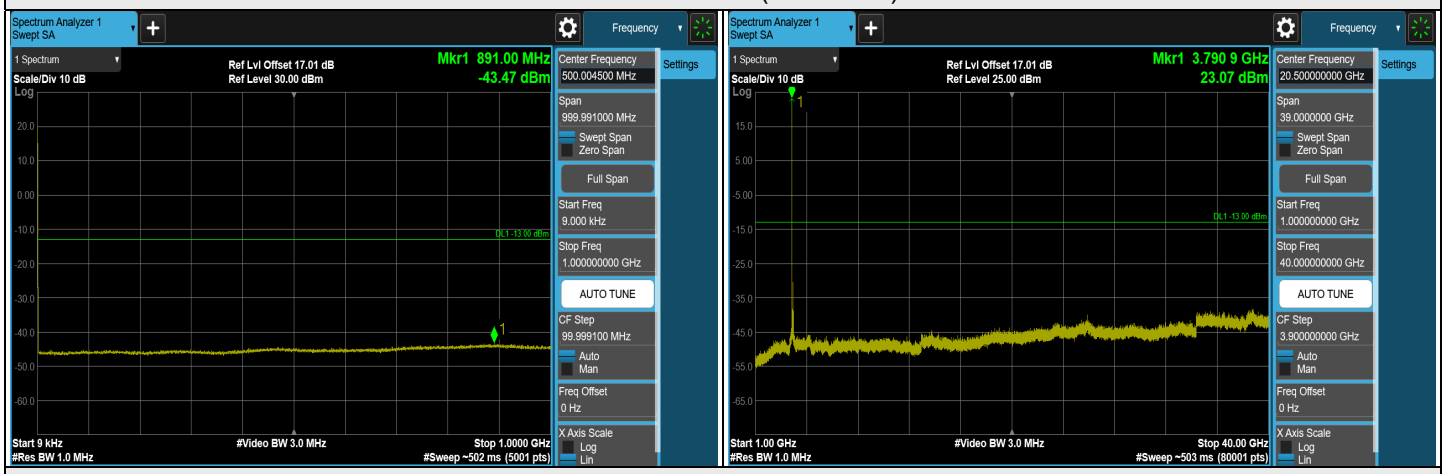
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 4, Channel Bandwidth: 90 MHz

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

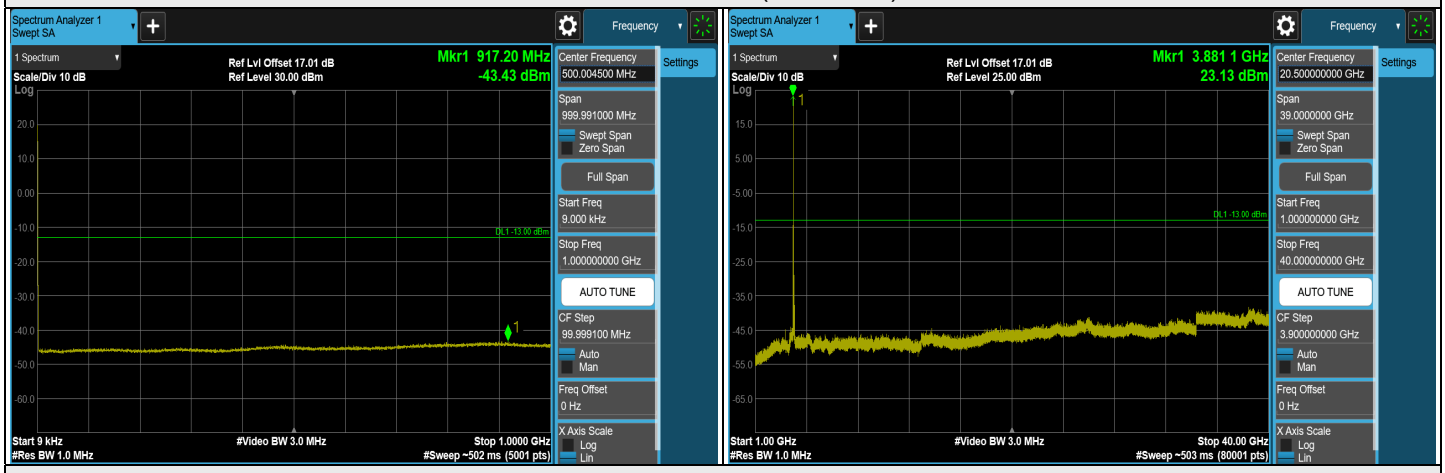
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 4, Channel Bandwidth: 100 MHz



BPSKCH 650000 (3750 MHz)



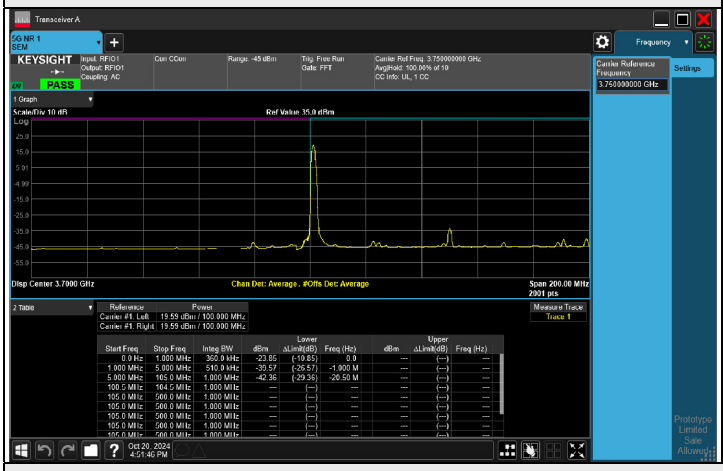
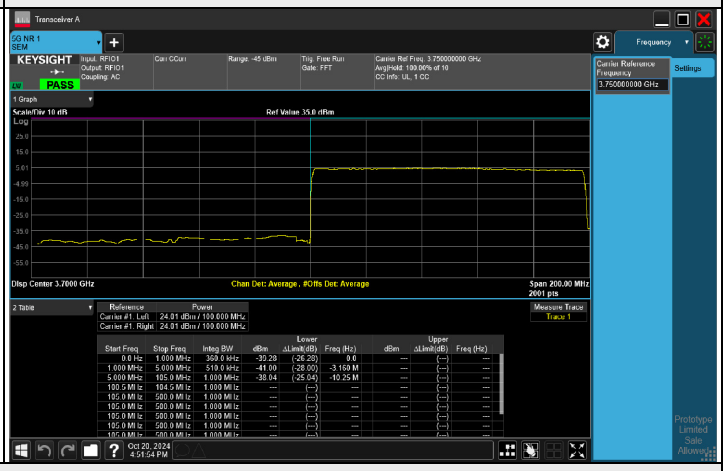
BPSKCH 656000 (3840 MHz)



BPSKCH 662000 (3930 MHz)

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

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 4, Channel Bandwidth: 100 MHz

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

7.6 Radiated Spurious Emissions below 1GHz

MIMO

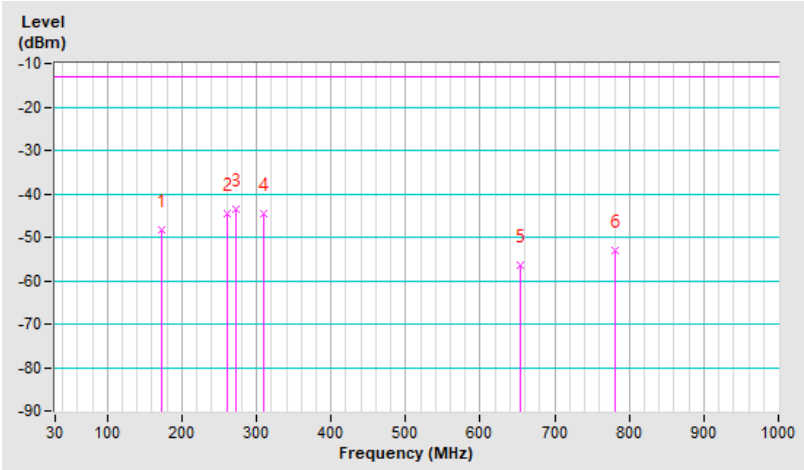
7.6.1 NR n2 SCS 15 kHz

RF Mode	NR n2 Channel Bandwidth: 40MHz	**Channel**	CH 374000：1870 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 66 % RH
Tested By	Charles Hsiao		

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	172.59	-48.40	-13.00	-35.40	1.87 H	180	60.28	-108.68
2	260.86	-44.72	-13.00	-31.72	1.15 H	114	64.38	-109.10
3	272.50	-43.44	-13.00	-30.44	1.05 H	201	65.10	-108.54
4	310.33	-44.50	-13.00	-31.50	1.53 H	336	62.88	-107.38
5	653.71	-56.38	-13.00	-43.38	1.16 H	66	43.24	-99.62
6	780.78	-53.06	-13.00	-40.06	1.35 H	100	44.22	-97.28

Remarks:

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

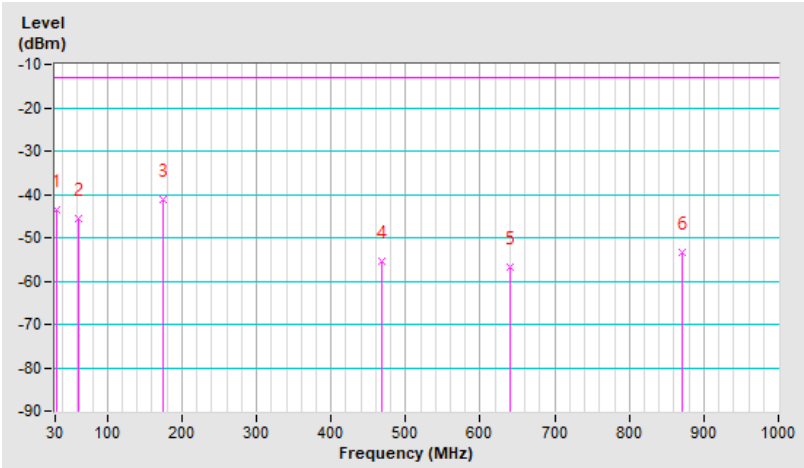


RF Mode	NR n2 Channel Bandwidth: 40MHz	**Channel**	CH 374000：1870 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 66 % RH
Tested By	Charles Hsiao		

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	32.91	-43.55	-13.00	-30.55	1.18 V	53	66.03	-109.58
2	62.01	-45.75	-13.00	-32.75	1.24 V	228	63.70	-109.45
3	175.50	-41.10	-13.00	-28.10	1.24 V	108	67.87	-108.97
4	468.44	-55.53	-13.00	-42.53	1.68 V	223	47.68	-103.21
5	641.10	-56.67	-13.00	-43.67	1.57 V	170	43.10	-99.77
6	870.02	-53.42	-13.00	-40.42	1.25 V	230	43.14	-96.56

Remarks:

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



SISO

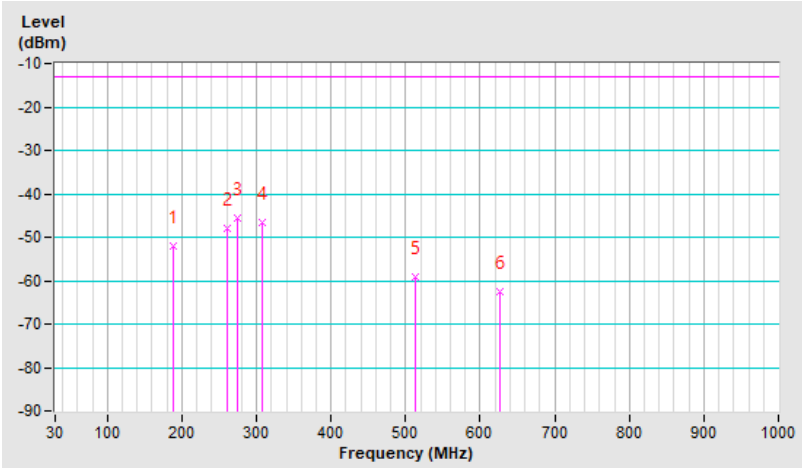
7.6.2 NR n5 SCS 15 kHz

RF Mode	NR n5 Channel Bandwidth: 20MHz	**Channel**	CH 166800：834 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 66 % RH
Tested By	Charles Hsiao		

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	188.11	-52.11	-13.00	-39.11	1.57 H	188	60.82	-112.93
2	260.86	-47.96	-13.00	-34.96	1.53 H	3	63.29	-111.25
3	275.41	-45.76	-13.00	-32.76	1.57 H	115	64.74	-110.50
4	307.42	-46.74	-13.00	-33.74	1.05 H	219	62.89	-109.63
5	513.06	-59.32	-13.00	-46.32	1.36 H	329	45.47	-104.79
6	625.58	-62.69	-13.00	-49.69	1.58 H	355	39.42	-102.11

Remarks:

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

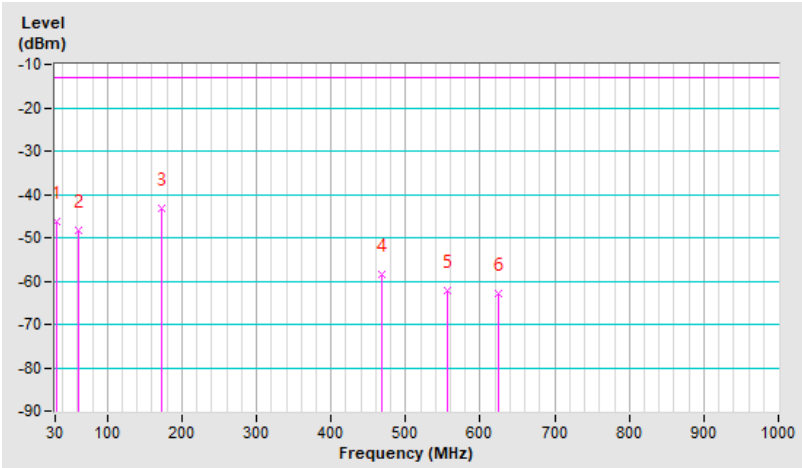


RF Mode	NR n5 Channel Bandwidth: 20MHz	**Channel**	CH 166800：834 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 66 % RH
Tested By	Charles Hsiao		

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	32.91	-46.14	-13.00	-33.14	1.87 V	189	65.59	-111.73
2	61.04	-48.28	-13.00	-35.28	1.21 V	101	63.02	-111.30
3	173.56	-43.18	-13.00	-30.18	1.53 V	274	67.77	-110.95
4	468.44	-58.54	-13.00	-45.54	1.55 V	157	46.82	-105.36
5	555.74	-62.11	-13.00	-49.11	1.00 V	100	41.80	-103.91
6	624.61	-62.79	-13.00	-49.79	1.61 V	237	39.33	-102.12

Remarks:

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



MIMO

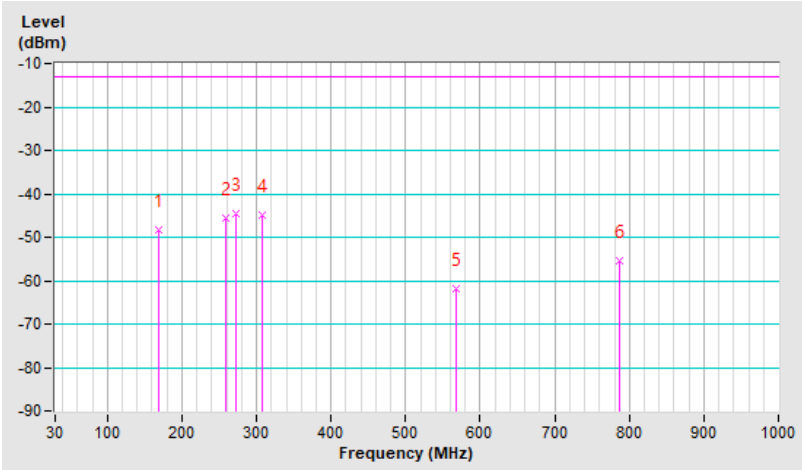
7.6.3 NR n66 SCS 15 kHz

RF Mode	NR n66 Channel Bandwidth: 20MHz	**Channel**	CH 344000：1720 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 66 % RH
Tested By	Charles Hsiao		

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	168.71	-48.40	-13.00	-35.40	1.08 H	214	59.99	-108.39
2	258.92	-45.68	-13.00	-32.68	1.16 H	29	63.49	-109.17
3	272.50	-44.73	-13.00	-31.73	1.35 H	337	63.81	-108.54
4	307.42	-44.94	-13.00	-31.94	1.57 H	208	62.54	-107.48
5	567.38	-61.90	-13.00	-48.90	1.16 H	326	39.45	-101.35
6	786.60	-55.57	-13.00	-42.57	1.88 H	19	41.76	-97.33

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) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

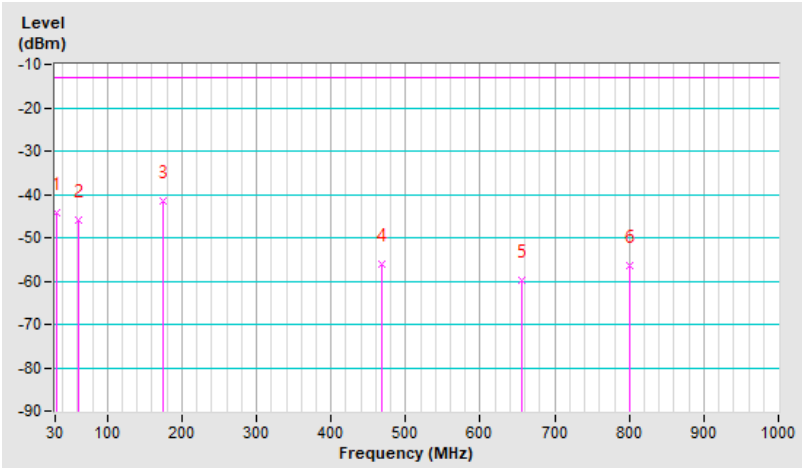


RF Mode	NR n66 Channel Bandwidth: 20MHz	**Channel**	CH 344000：1720 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 66 % RH
Tested By	Charles Hsiao		

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	32.91	-44.15	-13.00	-31.15	1.65 V	288	65.43	-109.58
2	62.01	-45.92	-13.00	-32.92	1.47 V	107	63.53	-109.45
3	174.53	-41.47	-13.00	-28.47	1.56 V	66	67.41	-108.88
4	468.44	-55.98	-13.00	-42.98	1.58 V	8	47.23	-103.21
5	655.65	-59.70	-13.00	-46.70	1.74 V	188	39.89	-99.59
6	801.15	-56.58	-13.00	-43.58	1.65 V	229	40.77	-97.35

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



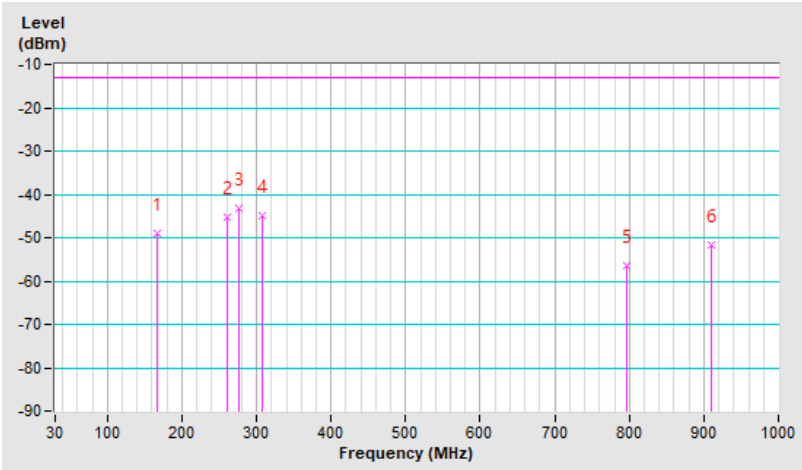
7.6.4 NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)

RF Mode	NR n77 Channel Bandwidth: 10MHz	**Channel**	CH 633334：3500.01 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 66 % RH
Tested By	Charles Hsiao		

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	167.74	-48.96	-13.00	-35.96	1.85 H	189	59.30	-108.26
2	260.86	-45.36	-13.00	-32.36	1.15 H	110	63.74	-109.10
3	277.35	-43.38	-13.00	-30.38	1.53 H	336	64.90	-108.28
4	308.39	-44.95	-13.00	-31.95	1.57 H	221	62.50	-107.45
5	796.30	-56.35	-13.00	-43.35	1.89 H	9	41.00	-97.35
6	909.79	-51.73	-13.00	-38.73	1.57 H	117	44.40	-96.13

Remarks:

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

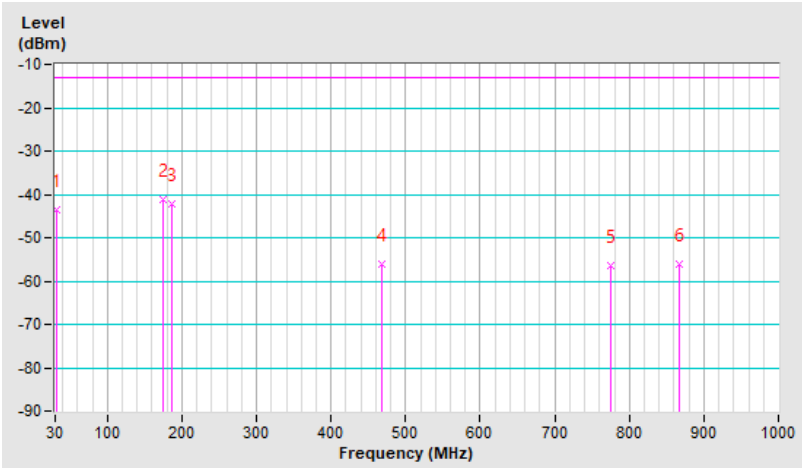


RF Mode	NR n77 Channel Bandwidth: 10MHz	**Channel**	CH 633334：3500.01 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 66 % RH
Tested By	Charles Hsiao		

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	32.91	-43.54	-13.00	-30.54	1.58 V	97	66.04	-109.58
2	**174.53**	**-41.07**	**-13.00**	**-28.07**	**1.14 V**	**152**	**67.81**	**-108.88**
3	186.17	-42.12	-13.00	-29.12	1.99 V	200	68.39	-110.51
4	468.44	-56.03	-13.00	-43.03	1.08 V	87	47.18	-103.21
5	774.96	-56.35	-13.00	-43.35	1.37 V	226	41.12	-97.47
6	867.11	-56.09	-13.00	-43.09	1.57 V	118	40.51	-96.60

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) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



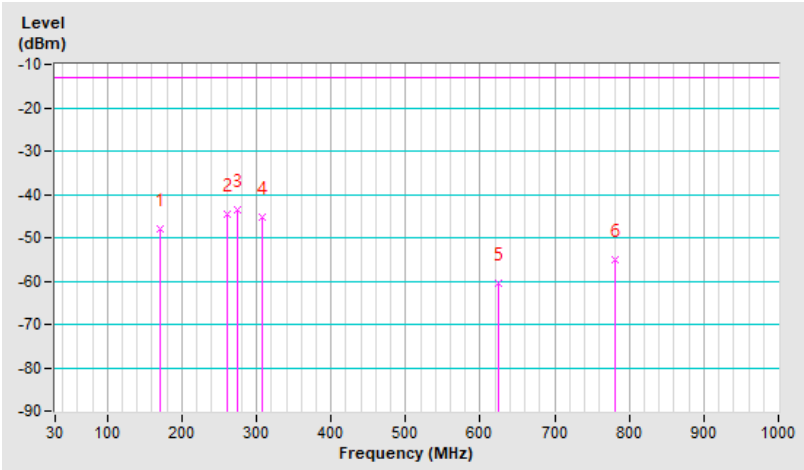
7.6.5 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)

RF Mode	NR n77 Channel Bandwidth: 100MHz	**Channel**	CH 662000：3930 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 66 % RH
Tested By	Charles Hsiao		

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	171.62	-48.05	-13.00	-35.05	1.62 H	223	60.55	-108.60
2	259.89	-44.72	-13.00	-31.72	1.87 H	77	64.42	-109.14
3	275.41	-43.57	-13.00	-30.57	1.54 H	166	64.78	-108.35
4	308.39	-45.12	-13.00	-32.12	1.18 H	217	62.33	-107.45
5	624.61	-60.48	-13.00	-47.48	1.67 H	180	39.49	-99.97
6	780.78	-55.25	-13.00	-42.25	1.99 H	227	42.03	-97.28

Remarks:

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

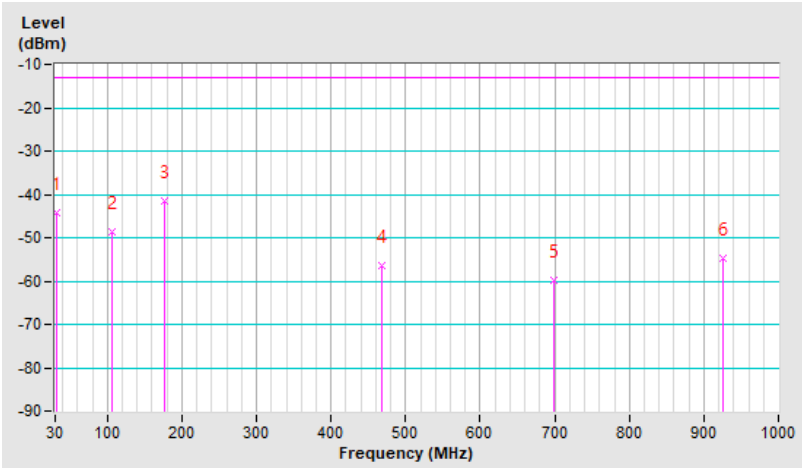


RF Mode	NR n77 Channel Bandwidth: 100MHz	**Channel**	CH 662000：3930 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 66 % RH
Tested By	Charles Hsiao		

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	31.94	-44.18	-13.00	-31.18	1.68 V	290	65.40	-109.58
2	105.66	-48.80	-13.00	-35.80	1.15 V	274	63.10	-111.90
3	176.47	-41.49	-13.00	-28.49	1.54 V	144	67.65	-109.14
4	468.44	-56.59	-13.00	-43.59	1.69 V	290	46.62	-103.21
5	699.30	-59.88	-13.00	-46.88	1.69 V	336	39.02	-98.90
6	925.31	-54.79	-13.00	-41.79	1.17 V	45	41.07	-95.86

Remarks:

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



7.7 Radiated Spurious Emissions above 1GHz

MIMO

7.7.1 NR n2 SCS 15 kHz

RF Mode	NR n2 Channel Bandwidth: 5MHz	**Channel**	CH 370500：1852.5 MHz
Frequency Range	1 GHz ~ 20 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-37.61	-13.00	-24.61	2.52 H	117	54.00	-91.61
2	5557.50	-42.72	-13.00	-29.72	1.62 H	62	44.21	-86.93
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	3705.00	-32.43	-13.00	-19.43	1.78 V	162	59.18	-91.61
2	5557.50	-41.66	-13.00	-28.66	1.51 V	169	45.27	-86.93

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) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	NR n2 Channel Bandwidth: 5MHz	**Channel**	CH 376000：1880 MHz
Frequency Range	1 GHz ~ 20 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-37.90	-13.00	-24.90	2.51 H	177	53.32	-91.22
2	5640.00	-41.90	-13.00	-28.90	1.32 H	61	44.45	-86.35
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	-32.93	-13.00	-19.93	1.77 V	162	58.29	-91.22
2	5640.00	-40.29	-13.00	-27.29	1.50 V	167	46.06	-86.35

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.

RF Mode	NR n2 Channel Bandwidth: 5MHz	**Channel**	CH 381500：1907.5 MHz
Frequency Range	1 GHz ~ 20 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-39.21	-13.00	-26.21	2.48 H	116	51.67	-90.88
2	5722.50	-43.14	-13.00	-30.14	1.31 H	59	42.91	-86.05
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	-34.22	-13.00	-21.22	1.79 V	184	56.66	-90.88
2	5722.50	-40.44	-13.00	-27.44	1.49 V	165	45.61	-86.05

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) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	NR n2 Channel Bandwidth: 20MHz	**Channel**	CH 372000：1860 MHz
Frequency Range	1 GHz ~ 20 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-36.66	-13.00	-23.66	2.51 H	115	54.84	-91.50
2	5580.00	-42.38	-13.00	-29.38	1.61 H	60	44.39	-86.77
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	3720.00	-31.73	-13.00	-18.73	1.77 V	161	59.77	-91.50
2	5580.00	-41.24	-13.00	-28.24	1.51 V	168	45.53	-86.77

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 n2 Channel Bandwidth: 20MHz	**Channel**	CH 376000：1880 MHz
Frequency Range	1 GHz ~ 20 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-37.23	-13.00	-24.23	2.55 H	117	53.99	-91.22
2	5640.00	-41.47	-13.00	-28.47	1.31 H	62	44.88	-86.35
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	-31.80	-13.00	-18.80	1.77 V	162	59.42	-91.22
2	5640.00	-39.36	-13.00	-26.36	1.52 V	168	46.99	-86.35

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.

RF Mode	NR n2 Channel Bandwidth: 20MHz	**Channel**	CH 380000：1900 MHz
Frequency Range	1 GHz ~ 20 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-38.40	-13.00	-25.40	2.42 H	117	52.55	-90.95
2	5700.00	-42.37	-13.00	-29.37	1.31 H	58	43.82	-86.19
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	-33.58	-13.00	-20.58	1.78 V	185	57.37	-90.95
2	5700.00	-40.08	-13.00	-27.08	1.49 V	163	46.11	-86.19

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 n2 Channel Bandwidth: 40MHz	**Channel**	CH 374000：1870 MHz
Frequency Range	1 GHz ~ 20 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	3740.00	-35.92	-13.00	-22.92	2.52 H	116	55.43	-91.35
2	5610.00	-41.29	-13.00	-28.29	1.61 H	58	45.28	-86.57
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	3740.00	-30.52	-13.00	-17.52	1.77 V	160	60.83	-91.35
2	5610.00	-39.88	-13.00	-26.88	1.52 V	170	46.69	-86.57

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 n2 Channel Bandwidth: 40MHz	**Channel**	CH 376000：1880 MHz
Frequency Range	1 GHz ~ 20 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-36.38	-13.00	-23.38	2.52 H	116	54.84	-91.22
2	5640.00	-40.44	-13.00	-27.44	1.30 H	61	45.91	-86.35
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	-30.84	-13.00	-17.84	1.77 V	161	60.38	-91.22
2	5640.00	-37.78	-13.00	-24.78	1.51 V	167	48.57	-86.35

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.

RF Mode	NR n2 Channel Bandwidth: 40MHz	**Channel**	CH 378000：1890 MHz
Frequency Range	1 GHz ~ 20 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	3780.00	-37.41	-13.00	-24.41	2.44 H	115	53.67	-91.08
2	5670.00	-41.85	-13.00	-28.85	1.31 H	57	44.39	-86.24
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	3780.00	-32.84	-13.00	-19.84	1.77 V	186	58.24	-91.08
2	5670.00	-39.00	-13.00	-26.00	1.48 V	166	47.24	-86.24

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) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

SISO

7.7.2 NR n5 SCS 15 kHz

RF Mode	NR n5 Channel Bandwidth: 5MHz	**Channel**	CH 165300：826.5 MHz
Frequency Range	1 GHz ~ 18 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-55.02	-13.00	-42.02	1.57 H	150	46.68	-101.70
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	-55.00	-13.00	-42.00	1.36 V	30	46.70	-101.70

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.

RF Mode	NR n5 Channel Bandwidth: 5MHz	**Channel**	CH 167300：836.5 MHz
Frequency Range	1 GHz ~ 18 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-55.63	-13.00	-42.63	1.37 H	298	46.00	-101.63
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	-54.89	-13.00	-41.89	1.05 V	100	46.74	-101.63

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.

RF Mode	NR n5 Channel Bandwidth: 5MHz	**Channel**	CH 169300：846.5 MHz
Frequency Range	1 GHz ~ 18 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-55.37	-13.00	-42.37	1.57 H	109	46.19	-101.56
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	-54.86	-13.00	-41.86	1.60 V	224	46.70	-101.56

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.

RF Mode	NR n5 Channel Bandwidth: 20MHz	**Channel**	CH 166800：834 MHz
Frequency Range	1 GHz ~ 18 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-54.85	-13.00	-41.85	1.64 H	333	46.80	-101.65
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	-55.71	-13.00	-42.71	1.57 V	109	45.94	-101.65

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.

RF Mode	NR n5 Channel Bandwidth: 20MHz	**Channel**	CH 167300：836.5 MHz
Frequency Range	1 GHz ~ 18 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-55.67	-13.00	-42.67	1.54 H	164	45.96	-101.63
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	-55.32	-13.00	-42.32	1.50 V	158	46.31	-101.63

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.

RF Mode	NR n5 Channel Bandwidth: 20MHz	**Channel**	CH 167800：839 MHz
Frequency Range	1 GHz ~ 18 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-54.56	-13.00	-41.56	1.57 H	124	47.06	-101.62
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	-54.15	-13.00	-41.15	1.52 V	2	47.47	-101.62

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.

MIMO

7.7.3 NR n66 SCS 15 kHz

RF Mode	NR n66 Channel Bandwidth: 5MHz	**Channel**	CH 342500：1712.5 MHz
Frequency Range	1 GHz ~ 18 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	3425.00	-32.96	-13.00	-19.96	1.54 H	223	60.02	-92.98
2	5137.50	-39.58	-13.00	-26.58	1.51 H	316	47.62	-87.20
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	3425.00	-29.69	-13.00	-16.69	1.53 V	115	63.29	-92.98
2	5137.50	-38.99	-13.00	-25.99	1.54 V	111	48.21	-87.20

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 n66 Channel Bandwidth: 5MHz	**Channel**	CH 349000：1745 MHz
Frequency Range	1 GHz ~ 18 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	3490.00	-35.31	-13.00	-22.31	1.67 H	187	57.49	-92.80
2	5235.00	-38.16	-13.00	-25.16	1.51 H	114	49.26	-87.42
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	3490.00	-30.75	-13.00	-17.75	1.75 V	122	62.05	-92.80
2	5235.00	-36.83	-13.00	-23.83	1.55 V	139	50.59	-87.42

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 n66 Channel Bandwidth: 5MHz	**Channel**	CH 355500：1777.5 MHz
Frequency Range	1 GHz ~ 18 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	3555.00	-33.75	-13.00	-20.75	1.55 H	223	58.77	-92.52
2	5332.50	-40.46	-13.00	-27.46	1.55 H	313	47.08	-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	3555.00	-30.68	-13.00	-17.68	1.52 V	112	61.84	-92.52
2	5332.50	-39.63	-13.00	-26.63	1.50 V	117	47.91	-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) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	NR n66 Channel Bandwidth: 20MHz	**Channel**	CH 344000：1720 MHz
Frequency Range	1 GHz ~ 18 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	3440.00	-32.61	-13.00	-19.61	1.53 H	222	60.39	-93.00
2	5160.00	-39.09	-13.00	-26.09	1.50 H	310	48.14	-87.23
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	3440.00	-28.55	-13.00	-15.55	1.52 V	114	64.45	-93.00
2	5160.00	-38.07	-13.00	-25.07	1.53 V	112	49.16	-87.23

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 n66 Channel Bandwidth: 20MHz	**Channel**	CH 349000：1745 MHz
Frequency Range	1 GHz ~ 18 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	3490.00	-34.48	-13.00	-21.48	1.68 H	188	58.32	-92.80
2	5235.00	-37.78	-13.00	-24.78	1.50 H	115	49.64	-87.42
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	3490.00	-30.31	-13.00	-17.31	1.74 V	121	62.49	-92.80
2	5235.00	-36.37	-13.00	-23.37	1.55 V	140	51.05	-87.42

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 n66 Channel Bandwidth: 20MHz	**Channel**	CH 354000：1770 MHz
Frequency Range	1 GHz ~ 18 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	3540.00	-32.75	-13.00	-19.75	1.55 H	223	59.84	-92.59
2	5310.00	-39.10	-13.00	-26.10	1.55 H	312	48.52	-87.62
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	3540.00	-30.04	-13.00	-17.04	1.51 V	111	62.55	-92.59
2	5310.00	-38.93	-13.00	-25.93	1.51 V	116	48.69	-87.62

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 n66 Channel Bandwidth: 40MHz	**Channel**	CH 346000：1730 MHz
Frequency Range	1 GHz ~ 18 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	3460.00	-34.11	-13.00	-21.11	1.55 H	225	58.84	-92.95
2	5190.00	-38.46	-13.00	-25.46	1.48 H	301	48.82	-87.28
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	3460.00	-29.79	-13.00	-16.79	1.75 V	120	63.16	-92.95
2	5190.00	-37.66	-13.00	-24.66	1.51 V	120	49.62	-87.28

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 n66 Channel Bandwidth: 40MHz	**Channel**	CH 349000：1745 MHz
Frequency Range	1 GHz ~ 18 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	3490.00	-33.67	-13.00	-20.67	1.66 H	190	59.13	-92.80
2	5235.00	-37.08	-13.00	-24.08	1.50 H	114	50.34	-87.42
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	3490.00	-29.54	-13.00	-16.54	1.75 V	121	63.26	-92.80
2	5235.00	-35.21	-13.00	-22.21	1.55 V	139	52.21	-87.42

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 n66 Channel Bandwidth: 40MHz	**Channel**	CH 352000：1760 MHz
Frequency Range	1 GHz ~ 18 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	3520.00	-37.61	-13.00	-24.61	1.54 H	231	55.06	-92.67
2	5280.00	-38.48	-13.00	-25.48	1.53 H	316	49.11	-87.59
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	3520.00	-30.83	-13.00	-17.83	1.51 V	114	61.84	-92.67
2	5280.00	-38.14	-13.00	-25.14	1.50 V	112	49.45	-87.59

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) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

7.7.4 NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)

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**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-45.97	-13.00	-32.97	1.54 H	180	37.23	-83.20
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	-45.77	-13.00	-32.77	1.57 V	111	37.43	-83.20

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**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-46.16	-13.00	-33.16	1.54 H	227	37.33	-83.49
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**EIRP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	7000.02	-46.49	-13.00	-33.49	1.52 V	115	37.00	-83.49

Remarks:

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

RF Mode	NR 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**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-44.67	-13.00	-31.67	1.91 H	217	38.27	-82.94
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	-45.27	-13.00	-32.27	1.82 V	228	37.67	-82.94

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 631668：3475.021 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-45.91	-13.00	-32.91	1.55 H	187	37.30	-83.21
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	6950.04	-45.90	-13.00	-32.90	1.60 V	100	37.31	-83.21

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: 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**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-45.65	-13.00	-32.65	1.53 H	229	37.84	-83.49
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**EIRP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	7000.02	-46.16	-13.00	-33.16	1.52 V	112	37.33	-83.49

Remarks:

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

RF Mode	NR n77 Channel Bandwidth: 50MHz	**Channel**	CH 635000：3525 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-44.53	-13.00	-31.53	1.87 H	222	38.54	-83.07
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	-45.09	-13.00	-32.09	1.81 V	236	37.98	-83.07

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**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-43.81	-13.00	-30.81	1.53 H	229	39.68	-83.49
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**EIRP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	7000.02	-45.47	-13.00	-32.47	1.57 V	111	38.02	-83.49

Remarks:

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

7.7.5 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)

RF Mode	NR n77 Channel Bandwidth: 10MHz	**Channel**	CH 647000：3705 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-26.79	-13.00	-13.79	2.34 H	351	56.66	-83.45
2	11115.00	-37.98	-13.00	-24.98	1.55 H	289	42.28	-80.26
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	7410.00	-30.31	-13.00	-17.31	1.90 V	268	53.14	-83.45
2	11115.00	-38.97	-13.00	-25.97	1.51 V	164	41.29	-80.26

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) + 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**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-17.64	-13.00	-4.64	2.34 H	351	65.84	-83.48
2	11520.00	-36.88	-13.00	-23.88	1.53 H	184	43.31	-80.19
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	-23.46	-13.00	-10.46	1.91 V	288	60.02	-83.48
2	11520.00	-37.97	-13.00	-24.97	1.55 V	151	42.22	-80.19

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 MHz
Frequency Range	1 GHz ~ 40 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-16.97	-13.00	-3.97	2.34 H	350	65.87	-82.84
2	15900.00	-33.02	-13.00	-20.02	1.42 H	188	43.25	-76.27
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	7950.00	-22.03	-13.00	-9.03	1.91 V	288	60.81	-82.84
2	15900.00	-34.04	-13.00	-21.04	1.55 V	230	42.23	-76.27

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) + 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**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-26.03	-13.00	-13.03	2.33 H	348	57.23	-83.26
2	11175.03	-36.90	-13.00	-23.90	1.55 H	287	43.36	-80.26
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	7450.02	-29.71	-13.00	-16.71	1.90 V	269	53.55	-83.26
2	11175.03	-38.11	-13.00	-25.11	1.51 V	160	42.15	-80.26

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) + 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**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-17.03	-13.00	-4.03	2.34 H	349	66.45	-83.48
2	11520.00	-35.98	-13.00	-22.98	1.55 H	183	44.21	-80.19
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	-22.64	-13.00	-9.64	1.91 V	289	60.84	-83.48
2	11520.00	-37.34	-13.00	-24.34	1.55 V	148	42.85	-80.19

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**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-16.57	-13.00	-3.57	2.34 H	349	66.35	-82.92
2	11864.97	-36.37	-13.00	-23.37	1.45 H	183	44.17	-80.54
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	7909.98	-21.37	-13.00	-8.37	1.90 V	290	61.55	-82.92
2	11864.97	-37.15	-13.00	-24.15	1.54 V	229	43.39	-80.54

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) + 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**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-24.60	-13.00	-11.60	2.35 H	350	58.41	-83.01
2	11250.00	-35.74	-13.00	-22.74	1.56 H	290	44.61	-80.35
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	-28.75	-13.00	-15.75	1.91 V	270	54.26	-83.01
2	11250.00	-37.46	-13.00	-24.46	1.50 V	157	42.89	-80.35

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.

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**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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	-16.19	-13.00	-3.19	2.34 H	349	67.29	-83.48
2	11520.00	-34.65	-13.00	-21.65	1.55 H	178	45.54	-80.19
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	-22.13	-13.00	-9.13	1.91 V	289	61.35	-83.48
2	11520.00	-36.51	-13.00	-23.51	1.54 V	150	43.68	-80.19

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**	25 °C, 64 % RH
Tested By	Charles Hsiao		

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**	**-16.00**	**-13.00**	**-3.00**	**2.34 H**	**349**	**67.22**	**-83.22**
2	11790.00	-34.70	-13.00	-21.70	1.50 H	174	45.61	-80.31
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	7860.00	-20.46	-13.00	-7.46	1.91 V	289	62.76	-83.22
2	11790.00	-36.50	-13.00	-23.50	1.53 V	229	43.81	-80.31

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.

7.8 Frequency Stability

Environmental Conditions:	25°C, 60% RH	Tested By:	James Yang

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)
6.12	1852.500002	0.0011	1907.500005	0.0026
7.2	1852.500002	0.0011	1907.500007	0.0037
8.28	1852.500006	0.0032	1907.500007	0.0037

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 370500 (1852.5 MHz)		CH 381500 (1907.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1852.500008	0.0043	1907.500004	0.0021
-20	1852.500005	0.0027	1907.500007	0.0037
-10	1852.5	0	1907.499997	-0.0016
0	1852.500005	0.0027	1907.500002	0.001
10	1852.499998	-0.0011	1907.5	0
20	1852.499997	-0.0016	1907.499999	-0.0005
30	1852.499998	-0.0011	1907.499998	-0.001
40	1852.50001	0.0054	1907.500008	0.0042
50	1852.500009	0.0049	1907.500005	0.0026

NR n2 SCS 15 kHz, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 371000 (1855 MHz)		CH 381000 (1905 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1855.000005	0.0027	1905.000002	0.001
7.2	1854.999997	-0.0016	1904.999996	-0.0021
8.28	1855.000002	0.0011	1905.000004	0.0021

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 371000 (1855 MHz)		CH 381000 (1905 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1855.000009	0.0049	1905.000008	0.0042
-20	1854.999998	-0.0011	1904.999999	-0.0005
-10	1855.000005	0.0027	1905.000007	0.0037
0	1854.999995	-0.0027	1904.999995	-0.0026
10	1855.000008	0.0043	1905.000006	0.0031
20	1855.000003	0.0016	1905.000004	0.0021
30	1854.999997	-0.0016	1905.000002	0.001
40	1854.999993	-0.0038	1904.999997	-0.0016
50	1854.999994	-0.0032	1904.999998	-0.001

NR n2 SCS 15 kHz, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 371500 (1857.5 MHz)		CH 380500 (1902.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1857.500006	0.0032	1902.50001	0.0053
7.2	1857.5	0	1902.500003	0.0016
8.28	1857.500005	0.0027	1902.5	0

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 371500 (1857.5 MHz)		CH 380500 (1902.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1857.499992	-0.0043	1902.499992	-0.0042
-20	1857.5	0	1902.500003	0.0016
-10	1857.500003	0.0016	1902.500001	0.0005
0	1857.50001	0.0054	1902.500005	0.0026
10	1857.499999	-0.0005	1902.500004	0.0021
20	1857.499991	-0.0048	1902.499992	-0.0042
30	1857.500009	0.0048	1902.500006	0.0032
40	1857.499994	-0.0032	1902.499999	-0.0005
50	1857.499999	-0.0005	1902.500003	0.0016

NR n2 SCS 15 kHz, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 372000 (1860 MHz)		CH 380000 (1900 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1860.000008	0.0043	1900.000007	0.0037
7.2	1859.999991	-0.0048	1899.99999	-0.0053
8.28	1859.999993	-0.0038	1899.99999	-0.0053

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 372000 (1860 MHz)		CH 380000 (1900 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1860.000004	0.0022	1900.000001	0.0005
-20	1859.999999	-0.0005	1899.999997	-0.0016
-10	1860.000003	0.0016	1900.000004	0.0021
0	1859.999991	-0.0048	1899.999991	-0.0047
10	1860.000009	0.0048	1900.00001	0.0053
20	1859.999995	-0.0027	1899.999995	-0.0026
30	1860.000009	0.0048	1900.000009	0.0047
40	1859.999995	-0.0027	1899.999998	-0.0011
50	1860.000007	0.0038	1900.000007	0.0037

NR n2 SCS 15 kHz, Channel Bandwidth: 25 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 372500 (1862.5 MHz)		CH 379500 (1897.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1862.500007	0.0038	1897.500009	0.0047
7.2	1862.500009	0.0048	1897.500009	0.0047
8.28	1862.500004	0.0021	1897.500006	0.0032

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 372500 (1862.5 MHz)		CH 379500 (1897.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1862.500004	0.0021	1897.500007	0.0037
-20	1862.499995	-0.0027	1897.499996	-0.0021
-10	1862.500005	0.0027	1897.500004	0.0021
0	1862.500002	0.0011	1897.500003	0.0016
10	1862.500008	0.0043	1897.500003	0.0016
20	1862.500007	0.0038	1897.500005	0.0026
30	1862.500003	0.0016	1897.500003	0.0016
40	1862.499994	-0.0032	1897.499997	-0.0016
50	1862.500008	0.0043	1897.500006	0.0032

NR n2 SCS 15 kHz, Channel Bandwidth: 30 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 373000 (1865 MHz)		CH 379000 (1895 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1865.000006	0.0032	1895.00001	0.0053
7.2	1864.999994	-0.0032	1894.99999	-0.0053
8.28	1865.000006	0.0032	1895.000001	0.0005

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 373000 (1865 MHz)		CH 379000 (1895 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1865.000001	0.0005	1895.000001	0.0005
-20	1864.999991	-0.0048	1894.99999	-0.0053
-10	1864.999998	-0.0011	1895.000003	0.0016
0	1864.999999	-0.0005	1895.000002	0.0011
10	1864.999996	-0.0021	1894.999999	-0.0005
20	1864.99999	-0.0054	1894.999994	-0.0032
30	1864.999995	-0.0027	1894.999999	-0.0005
40	1864.999997	-0.0016	1894.999992	-0.0042
50	1864.999995	-0.0027	1894.999994	-0.0032

NR n2 SCS 15 kHz, Channel Bandwidth: 35 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 373500 (1867.5 MHz)		CH 378500 (1892.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1867.499996	-0.0021	1892.499999	-0.0005
7.2	1867.499992	-0.0043	1892.499991	-0.0048
8.28	1867.500001	0.0005	1892.500002	0.0011

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 373500 (1867.5 MHz)		CH 378500 (1892.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1867.500005	0.0027	1892.500002	0.0011
-20	1867.499992	-0.0043	1892.499994	-0.0032
-10	1867.500004	0.0021	1892.500002	0.0011
0	1867.499999	-0.0005	1892.500002	0.0011
10	1867.50001	0.0054	1892.500009	0.0048
20	1867.499996	-0.0021	1892.499994	-0.0032
30	1867.499997	-0.0016	1892.499993	-0.0037
40	1867.499994	-0.0032	1892.499992	-0.0042
50	1867.500003	0.0016	1892.5	0

NR n2 SCS 15 kHz, Channel Bandwidth: 40 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 374000 (1870 MHz)		CH 378000 (1890 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1869.999993	-0.0037	1889.999993	-0.0037
7.2	1869.999996	-0.0021	1889.999994	-0.0032
8.28	1869.999994	-0.0032	1889.999996	-0.0021

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 374000 (1870 MHz)		CH 378000 (1890 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1869.999994	-0.0032	1889.999997	-0.0016
-20	1870.000005	0.0027	1890.000004	0.0021
-10	1869.999994	-0.0032	1889.999995	-0.0026
0	1869.999998	-0.0011	1889.999995	-0.0026
10	1870	0	1890.000002	0.0011
20	1869.999997	-0.0016	1889.999996	-0.0021
30	1869.999992	-0.0043	1889.999995	-0.0026
40	1870.000006	0.0032	1890.000001	0.0005
50	1870.000004	0.0021	1890	0

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)
6.12	826.500004	0.0048	846.500001	0.0012
7.2	826.5	0	846.500002	0.0024
8.28	826.5	0	846.5	0

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 165300 (826.5 MHz)		CH 169300 (846.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	826.499997	-0.0036	846.499999	-0.0012
-20	826.500003	0.0036	846.499999	-0.0012
-10	826.500005	0.006	846.50001	0.0118
0	826.499992	-0.0097	846.499995	-0.0059
10	826.500002	0.0024	846.500007	0.0083
20	826.49999	-0.0121	846.499992	-0.0095
30	826.499996	-0.0048	846.5	0
40	826.499993	-0.0085	846.499996	-0.0047
50	826.500008	0.0097	846.500006	0.0071

NR n5 SCS 15 kHz, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 165800 (829 MHz)		CH 168800 (844 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	828.999999	-0.0012	843.999996	-0.0047
7.2	829.000007	0.0084	844.000002	0.0024
8.28	828.99999	-0.0121	843.999995	-0.0059

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 165800 (829 MHz)		CH 168800 (844 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	828.999992	-0.0097	843.999995	-0.0059
-20	829.000003	0.0036	844.000006	0.0071
-10	828.999998	-0.0024	844.000002	0.0024
0	829.000002	0.0024	844.000006	0.0071
10	828.99999	-0.0121	843.999991	-0.0107
20	829.000001	0.0012	843.999998	-0.0024
30	828.999993	-0.0084	843.999997	-0.0036
40	828.999996	-0.0048	843.999992	-0.0095
50	829.000009	0.0109	844.000006	0.0071

NR n5 SCS 15 kHz, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 166300 (831.5 MHz)		CH 168300 (841.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	831.499998	-0.0024	841.499994	-0.0071
7.2	831.499992	-0.0096	841.499995	-0.0059
8.28	831.500001	0.0012	841.499997	-0.0036

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 166300 (831.5 MHz)		CH 168300 (841.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	831.5	0	841.500003	0.0036
-20	831.499991	-0.0108	841.499993	-0.0083
-10	831.49999	-0.012	841.499992	-0.0095
0	831.500007	0.0084	841.500005	0.0059
10	831.499992	-0.0096	841.49999	-0.0119
20	831.499996	-0.0048	841.499993	-0.0083
30	831.500003	0.0036	841.499999	-0.0012
40	831.500006	0.0072	841.50001	0.0119
50	831.500007	0.0084	841.500003	0.0036

NR n5 SCS 15 kHz, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 166800 (834 MHz)		CH 167800 (839 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	833.999993	-0.0084	838.999992	-0.0095
7.2	834.000007	0.0084	839.00001	0.0119
8.28	833.999995	-0.006	838.999991	-0.0107

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 166800 (834 MHz)		CH 167800 (839 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	834.000004	0.0048	838.999999	-0.0012
-20	833.999997	-0.0036	839	0
-10	833.999993	-0.0084	838.999992	-0.0095
0	833.999998	-0.0024	838.999999	-0.0012
10	834.000002	0.0024	839.000003	0.0036
20	834.000003	0.0036	839.000002	0.0024
30	833.999995	-0.006	838.999994	-0.0072
40	834.000009	0.0108	839.000006	0.0072
50	833.999994	-0.0072	838.999994	-0.0072

7.8.3 NR n66 SCS 15 kHz

NR n66 SCS 15 kHz, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 342500 (1712.5 MHz)		CH 355500 (1777.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1712.500002	0.0012	1777.500003	0.0017
7.2	1712.5	0	1777.500005	0.0028
8.28	1712.499995	-0.0029	1777.499991	-0.0051

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 342500 (1712.5 MHz)		CH 355500 (1777.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1712.500006	0.0035	1777.500006	0.0034
-20	1712.5	0	1777.500004	0.0023
-10	1712.499999	-0.0006	1777.499999	-0.0006
0	1712.500006	0.0035	1777.500004	0.0023
10	1712.500003	0.0018	1777.500002	0.0011
20	1712.499998	-0.0012	1777.500002	0.0011
30	1712.499997	-0.0018	1777.499995	-0.0028
40	1712.500008	0.0047	1777.500008	0.0045
50	1712.500007	0.0041	1777.500008	0.0045

NR n66 SCS 15 kHz, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 343000 (1715 MHz)		CH 355000 (1775 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1715.000003	0.0017	1775	0
7.2	1715.000004	0.0023	1775.000008	0.0045
8.28	1715.000006	0.0035	1775.000002	0.0011

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 343000 (1715 MHz)		CH 355000 (1775 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1714.999991	-0.0052	1774.999991	-0.0051
-20	1715.000009	0.0052	1775.000008	0.0045
-10	1714.999995	-0.0029	1774.999992	-0.0045
0	1714.999998	-0.0012	1775	0
10	1714.99999	-0.0058	1774.999993	-0.0039
20	1714.999997	-0.0017	1775	0
30	1715.000004	0.0023	1775.000002	0.0011
40	1714.999996	-0.0023	1775.000001	0.0006
50	1714.999997	-0.0017	1774.999996	-0.0023

NR n66 SCS 15 kHz, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 343500 (1717.5 MHz)		CH 354500 (1772.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1717.500002	0.0012	1772.500001	0.0006
7.2	1717.49999	-0.0058	1772.499992	-0.0045
8.28	1717.499993	-0.0041	1772.499991	-0.0051

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 343500 (1717.5 MHz)		CH 354500 (1772.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1717.500004	0.0023	1772.500007	0.0039
-20	1717.500009	0.0052	1772.50001	0.0056
-10	1717.500006	0.0035	1772.500009	0.0051
0	1717.499992	-0.0047	1772.49999	-0.0056
10	1717.499997	-0.0017	1772.499994	-0.0034
20	1717.500004	0.0023	1772.500009	0.0051
30	1717.500007	0.0041	1772.500007	0.0039
40	1717.499994	-0.0035	1772.499991	-0.0051
50	1717.500002	0.0012	1772.499999	-0.0006

NR n66 SCS 15 kHz, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 344000 (1720 MHz)		CH 354000 (1770 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1719.999995	-0.0029	1769.999995	-0.0028
7.2	1719.999999	-0.0006	1769.999995	-0.0028
8.28	1719.999998	-0.0012	1770.000002	0.0011

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 344000 (1720 MHz)		CH 354000 (1770 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1720.000007	0.0041	1770.000006	0.0034
-20	1720.000001	0.0006	1770.000004	0.0023
-10	1719.999997	-0.0017	1769.999999	-0.0006
0	1719.999996	-0.0023	1769.999999	-0.0006
10	1719.999993	-0.0041	1769.999994	-0.0034
20	1719.999993	-0.0041	1769.999992	-0.0045
30	1719.999995	-0.0029	1769.999996	-0.0023
40	1719.999995	-0.0029	1769.999997	-0.0017
50	1719.999998	-0.0012	1769.999999	-0.0006

NR n66 SCS 15 kHz, Channel Bandwidth: 25 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 344500 (1722.5 MHz)		CH 353500 (1767.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1722.500004	0.0023	1767.500005	0.0028
7.2	1722.500007	0.0041	1767.500004	0.0023
8.28	1722.499999	-0.0006	1767.5	0

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 344500 (1722.5 MHz)		CH 353500 (1767.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1722.500003	0.0017	1767.500006	0.0034
-20	1722.499996	-0.0023	1767.499993	-0.004
-10	1722.500005	0.0029	1767.500008	0.0045
0	1722.499998	-0.0012	1767.500001	0.0006
10	1722.499993	-0.0041	1767.499991	-0.0051
20	1722.499992	-0.0046	1767.499994	-0.0034
30	1722.500003	0.0017	1767.500004	0.0023
40	1722.500002	0.0012	1767.500004	0.0023
50	1722.499998	-0.0012	1767.499999	-0.0006

NR n66 SCS 15 kHz, Channel Bandwidth: 30 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 345000 (1725 MHz)		CH 353000 (1765 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1725.000004	0.0023	1764.999999	-0.0006
7.2	1725	0	1765	0
8.28	1725.000006	0.0035	1765.000007	0.004

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 345000 (1725 MHz)		CH 353000 (1765 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1725.000004	0.0023	1765.000004	0.0023
-20	1725.00001	0.0058	1765.00001	0.0057
-10	1725.000005	0.0029	1765.000005	0.0028
0	1725.000009	0.0052	1765.000009	0.0051
10	1725.000007	0.0041	1765.000002	0.0011
20	1725.000004	0.0023	1765.000006	0.0034
30	1724.999999	-0.0006	1764.999999	-0.0006
40	1725.00001	0.0058	1765.000006	0.0034
50	1724.999998	-0.0012	1765.000002	0.0011

NR n66 SCS 15 kHz, Channel Bandwidth: 40 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 346000 (1730 MHz)		CH 352000 (1760 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1729.999996	-0.0023	1760	0
7.2	1729.999997	-0.0017	1759.999999	-0.0006
8.28	1730.000009	0.0052	1760.000007	0.004

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 346000 (1730 MHz)		CH 352000 (1760 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1730.000008	0.0046	1760.000006	0.0034
-20	1730.000009	0.0052	1760.000006	0.0034
-10	1729.999996	-0.0023	1759.999993	-0.004
0	1729.999999	-0.0006	1760.000002	0.0011
10	1730.000006	0.0035	1760.000003	0.0017
20	1730	0	1760.000002	0.0011
30	1729.999993	-0.004	1759.999996	-0.0023
40	1729.999997	-0.0017	1759.999998	-0.0011
50	1729.999995	-0.0029	1759.999994	-0.0034

7.8.4 NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 630334 (3455.01 MHz)		CH 636332 (3544.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3455.010005	0.0014	3544.980009	0.0025
7.2	3455.010004	0.0012	3544.980002	0.0006
8.28	3455.009994	-0.0017	3544.979991	-0.0025

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

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	3455.009994	-0.0017	3544.979992	-0.0023
-20	3455.00999	-0.0029	3544.979994	-0.0017
-10	3455.00999	-0.0029	3544.979991	-0.0025
0	3455.009992	-0.0023	3544.979995	-0.0014
10	3455.009993	-0.002	3544.97999	-0.0028
20	3455.009995	-0.0014	3544.979991	-0.0025
30	3455.010002	0.0006	3544.979998	-0.0006
40	3455.010005	0.0014	3544.980004	0.0011
50	3455.009997	-0.0009	3544.979993	-0.002

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 630500 (3457.5 MHz)		CH 636166 (3542.49 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3457.5	0	3542.489998	-0.0006
7.2	3457.499993	-0.002	3542.489992	-0.0023
8.28	3457.500002	0.0006	3542.49	0

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

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	3542.489991	-0.0025
-20	3457.500005	0.0014	3542.490003	0.0008
-10	3457.500005	0.0014	3542.49001	0.0028
0	3457.499995	-0.0014	3542.489999	-0.0003
10	3457.499994	-0.0017	3542.489998	-0.0006
20	3457.499991	-0.0026	3542.489991	-0.0025
30	3457.499996	-0.0012	3542.489993	-0.002
40	3457.499998	-0.0006	3542.49	0
50	3457.500004	0.0012	3542.49	0

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 630668 (3460.02 MHz)		CH 636000 (3540 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3460.020001	0.0003	3539.999996	-0.0011
7.2	3460.019993	-0.002	3539.999995	-0.0014
8.28	3460.019997	-0.0009	3539.999998	-0.0006

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 630668 (3460.02 MHz)		CH 636000 (3540 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3460.019991	-0.0026	3539.999992	-0.0023
-20	3460.019999	-0.0003	3539.999997	-0.0008
-10	3460.020008	0.0023	3540.000005	0.0014
0	3460.020001	0.0003	3540.000006	0.0017
10	3460.019997	-0.0009	3539.999994	-0.0017
20	3460.01999	-0.0029	3539.999991	-0.0025
30	3460.020006	0.0017	3540.000009	0.0025
40	3460.020006	0.0017	3540.00001	0.0028
50	3460.020002	0.0006	3540.000002	0.0006

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 25 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 630834 (3462.51 MHz)		CH 635832 (3537.48 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3462.510002	0.0006	3537.479999	-0.0003
7.2	3462.509998	-0.0006	3537.479997	-0.0008
8.28	3462.510004	0.0012	3537.480007	0.002

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 630834 (3462.51 MHz)		CH 635832 (3537.48 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3462.510007	0.002	3537.480009	0.0025
-20	3462.509993	-0.002	3537.479993	-0.002
-10	3462.509996	-0.0012	3537.479991	-0.0025
0	3462.510003	0.0009	3537.480005	0.0014
10	3462.509992	-0.0023	3537.479993	-0.002
20	3462.510005	0.0014	3537.48	0
30	3462.509994	-0.0017	3537.479995	-0.0014
40	3462.510007	0.002	3537.480008	0.0023
50	3462.509997	-0.0009	3537.480001	0.0003

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 30 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 631000 (3465 MHz)		CH 635666 (3534.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3464.999999	-0.0003	3534.989998	-0.0006
7.2	3465.000009	0.0026	3534.99001	0.0028
8.28	3465.000009	0.0026	3534.990007	0.002

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 631000 (3465 MHz)		CH 635666 (3534.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3464.999995	-0.0014	3534.989998	-0.0006
-20	3465.000009	0.0026	3534.990005	0.0014
-10	3464.999993	-0.002	3534.989994	-0.0017
0	3464.99999	-0.0029	3534.98999	-0.0028
10	3464.999997	-0.0009	3534.989995	-0.0014
20	3465	0	3534.990003	0.0008
30	3464.999992	-0.0023	3534.989992	-0.0023
40	3464.999995	-0.0014	3534.989994	-0.0017
50	3465.000008	0.0023	3534.99001	0.0028

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 40 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 631334 (3470.01 MHz)		CH 635332 (3529.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3470.009991	-0.0026	3529.97999	-0.0028
7.2	3470.01	0	3529.980002	0.0006
8.28	3470.009999	-0.0003	3529.979995	-0.0014

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

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	3470.009995	-0.0014	3529.979993	-0.002
-20	3470.009995	-0.0014	3529.979993	-0.002
-10	3470.010006	0.0017	3529.98001	0.0028
0	3470.009991	-0.0026	3529.979992	-0.0023
10	3470.010008	0.0023	3529.980003	0.0008
20	3470.009995	-0.0014	3529.979993	-0.002
30	3470.009993	-0.002	3529.979994	-0.0017
40	3470.010008	0.0023	3529.980005	0.0014
50	3470.009992	-0.0023	3529.979991	-0.0025

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 50 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 631668 (3475.02 MHz)		CH 635000 (3525 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3475.019992	-0.0023	3524.999997	-0.0009
7.2	3475.019998	-0.0006	3524.999996	-0.0011
8.28	3475.020002	0.0006	3524.999998	-0.0006

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 631668 (3475.02 MHz)		CH 635000 (3525 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3475.019992	-0.0023	3524.999993	-0.002
-20	3475.020005	0.0014	3525	0
-10	3475.020001	0.0003	3525.000005	0.0014
0	3475.020001	0.0003	3525.000006	0.0017
10	3475.019997	-0.0009	3525	0
20	3475.019997	-0.0009	3524.999998	-0.0006
30	3475.019999	-0.0003	3525.000002	0.0006
40	3475.019999	-0.0003	3525.000003	0.0009
50	3475.020002	0.0006	3525.000005	0.0014

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 60 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 632000 (3480 MHz)		CH 634666 (3519.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3480.000008	0.0023	3519.990004	0.0011
7.2	3479.999998	-0.0006	3519.99	0
8.28	3480.000006	0.0017	3519.990009	0.0026

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 632000 (3480 MHz)		CH 634666 (3519.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3479.999991	-0.0026	3519.989991	-0.0026
-20	3479.999998	-0.0006	3519.990002	0.0006
-10	3480.00001	0.0029	3519.990007	0.002
0	3479.999995	-0.0014	3519.989991	-0.0026
10	3480.000003	0.0009	3519.990004	0.0011
20	3480.000002	0.0006	3519.990003	0.0009
30	3480.000003	0.0009	3519.990002	0.0006
40	3480	0	3519.990001	0.0003
50	3480.000009	0.0026	3519.990009	0.0026

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 70 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 632334 (3485.01 MHz)		CH 634332 (3514.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3485.009999	-0.0003	3514.980002	0.0006
7.2	3485.010001	0.0003	3514.980002	0.0006
8.28	3485.009999	-0.0003	3514.980003	0.0009

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

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	3485.01	0	3514.979996	-0.0011
-20	3485.009991	-0.0026	3514.979993	-0.002
-10	3485.010005	0.0014	3514.980001	0.0003
0	3485.010009	0.0026	3514.980009	0.0026
10	3485.009995	-0.0014	3514.979999	-0.0003
20	3485.010008	0.0023	3514.98001	0.0028
30	3485.010003	0.0009	3514.98	0
40	3485.009997	-0.0009	3514.979998	-0.0006
50	3485.009993	-0.002	3514.979993	-0.002

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 80 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 632668 (3490.02 MHz)		CH 634000 (3510 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3490.019992	-0.0023	3509.999993	-0.002
7.2	3490.020008	0.0023	3510.000004	0.0011
8.28	3490.020008	0.0023	3510.000007	0.002

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 632668 (3490.02 MHz)		CH 634000 (3510 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3490.019992	-0.0023	3509.999995	-0.0014
-20	3490.02	0	3509.999999	-0.0003
-10	3490.020003	0.0009	3510.000008	0.0023
0	3490.02001	0.0029	3510.000009	0.0026
10	3490.019999	-0.0003	3510	0
20	3490.019991	-0.0026	3509.999993	-0.002
30	3490.019995	-0.0014	3509.999996	-0.0011
40	3490.019994	-0.0017	3509.999992	-0.0023
50	3490.020004	0.0011	3510.000007	0.002

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 90 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 633000 (3495 MHz)		CH 633666 (3504.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3495.000003	0.0009	3504.99	0
7.2	3494.999993	-0.002	3504.98999	-0.0029
8.28	3494.999993	-0.002	3504.98999	-0.0029

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 633000 (3495 MHz)		CH 633666 (3504.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3495.000009	0.0026	3504.990005	0.0014
-20	3495.000001	0.0003	3504.989996	-0.0011
-10	3495.000005	0.0014	3504.990001	0.0003
0	3494.999993	-0.002	3504.98999	-0.0029
10	3494.999991	-0.0026	3504.989991	-0.0026
20	3494.999992	-0.0023	3504.989994	-0.0017
30	3494.999997	-0.0009	3504.989995	-0.0014
40	3494.999996	-0.0011	3504.989998	-0.0006
50	3495.000001	0.0003	3504.99	0

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 100 MHz

Frequency Stability Versus Voltage		
Voltage (Vdc)	CH 633334 (3500.01 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
6.12	3500.010002	0.0006
7.2	3500.010006	0.0017
8.28	3500.01	0

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature		
Temperature (℃)	CH 633334 (3500.01 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-30	3500.01	0
-20	3500.009995	-0.0014
-10	3500.01001	0.0029
0	3500.01	0
10	3500.010009	0.0026
20	3500.009993	-0.002
30	3500.009999	-0.0003
40	3500.009992	-0.0023
50	3500.009998	-0.0006

7.8.5 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 647000 (3705 MHz)		CH 665000 (3975 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3704.999993	-0.0019	3974.99999	-0.0025
7.2	3705.000005	0.0013	3975.000005	0.0013
8.28	3704.999999	-0.0003	3974.999997	-0.0008

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 647000 (3705 MHz)		CH 665000 (3975 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3705.000004	0.0011	3975.000005	0.0013
-20	3704.999991	-0.0024	3974.999991	-0.0023
-10	3705.000009	0.0024	3975.000005	0.0013
0	3705.00001	0.0027	3975.000007	0.0018
10	3704.999996	-0.0011	3974.999997	-0.0008
20	3705.00001	0.0027	3975.000005	0.0013
30	3704.999994	-0.0016	3974.999993	-0.0018
40	3704.999996	-0.0011	3974.999999	-0.0003
50	3704.999993	-0.0019	3974.999993	-0.0018

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 647168 (3707.52 MHz)		CH 664832 (3972.48 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3707.519991	-0.0024	3972.47999	-0.0025
7.2	3707.519996	-0.0011	3972.479992	-0.002
8.28	3707.520004	0.0011	3972.480008	0.002

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

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	3707.520008	0.0022	3972.480006	0.0015
-20	3707.520001	0.0003	3972.480003	0.0008
-10	3707.519995	-0.0013	3972.479995	-0.0013
0	3707.52	0	3972.480003	0.0008
10	3707.520007	0.0019	3972.480006	0.0015
20	3707.520001	0.0003	3972.48	0
30	3707.519992	-0.0022	3972.479994	-0.0015
40	3707.520006	0.0016	3972.480003	0.0008
50	3707.520005	0.0013	3972.480008	0.002

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 647334 (3710.01 MHz)		CH 664666 (3969.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3710.009992	-0.0022	3969.98999	-0.0025
7.2	3710.010004	0.0011	3969.990008	0.002
8.28	3710.010004	0.0011	3969.990003	0.0008

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 647334 (3710.01 MHz)		CH 664666 (3969.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3710.010009	0.0024	3969.990008	0.002
-20	3710.009997	-0.0008	3969.990001	0.0003
-10	3710.010001	0.0003	3969.990005	0.0013
0	3710.010002	0.0005	3969.990004	0.001
10	3710.009994	-0.0016	3969.989996	-0.001
20	3710.010008	0.0022	3969.990008	0.002
30	3710.009992	-0.0022	3969.989992	-0.002
40	3710.010009	0.0024	3969.990008	0.002
50	3710.009995	-0.0013	3969.989992	-0.002

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 25 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 647500 (3712.5 MHz)		CH 664500 (3967.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3712.499998	-0.0005	3967.5	0
7.2	3712.499991	-0.0024	3967.49999	-0.0025
8.28	3712.499994	-0.0016	3967.499993	-0.0018

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 647500 (3712.5 MHz)		CH 664500 (3967.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3712.500007	0.0019	3967.500009	0.0023
-20	3712.499996	-0.0011	3967.499994	-0.0015
-10	3712.500009	0.0024	3967.50001	0.0025
0	3712.500004	0.0011	3967.500008	0.002
10	3712.500004	0.0011	3967.500002	0.0005
20	3712.499999	-0.0003	3967.499999	-0.0003
30	3712.499999	-0.0003	3967.499999	-0.0003
40	3712.50001	0.0027	3967.500006	0.0015
50	3712.499995	-0.0013	3967.499998	-0.0005

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

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 647668 (3715.02 MHz)		CH 664332 (3964.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3715.019992	-0.0022	3964.979995	-0.0013
7.2	3715.019999	-0.0003	3964.979999	-0.0003
8.28	3715.019997	-0.0008	3964.98	0

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

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	3715.019992	-0.0022	3964.979997	-0.0008
-20	3715.020003	0.0008	3964.980001	0.0003
-10	3715.019997	-0.0008	3964.98	0
0	3715.019996	-0.0011	3964.979995	-0.0013
10	3715.020003	0.0008	3964.980004	0.001
20	3715.019995	-0.0013	3964.979995	-0.0013
30	3715.01999	-0.0027	3964.979995	-0.0013
40	3715.020009	0.0024	3964.980009	0.0023
50	3715.020007	0.0019	3964.980007	0.0018

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

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 648000 (3720 MHz)		CH 664000 (3960 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3720.000009	0.0024	3960.000007	0.0018
7.2	3720.000005	0.0013	3960.000003	0.0008
8.28	3720	0	3959.999999	-0.0003

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 648000 (3720 MHz)		CH 664000 (3960 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3720.000005	0.0013	3960.000004	0.001
-20	3720.000007	0.0019	3960.000007	0.0018
-10	3720.000005	0.0013	3960.000008	0.002
0	3720.000005	0.0013	3960.00001	0.0025
10	3719.999996	-0.0011	3959.999997	-0.0008
20	3720.000005	0.0013	3960.000008	0.002
30	3720.000009	0.0024	3960.000008	0.002
40	3719.999996	-0.0011	3960	0
50	3720.000008	0.0022	3960.000008	0.002

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

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 648334 (3725.01 MHz)		CH 663666 (3954.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3725.010003	0.0008	3954.989998	-0.0005
7.2	3725.009999	-0.0003	3954.989997	-0.0008
8.28	3725.010007	0.0019	3954.99001	0.0025

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

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	3725.010006	0.0016	3954.990009	0.0023
-20	3725.010007	0.0019	3954.990008	0.002
-10	3725.010004	0.0011	3954.990007	0.0018
0	3725.009993	-0.0019	3954.989995	-0.0013
10	3725.010003	0.0008	3954.990008	0.002
20	3725.010005	0.0013	3954.990008	0.002
30	3725.010003	0.0008	3954.989999	-0.0003
40	3725.010004	0.0011	3954.990002	0.0005
50	3725.009995	-0.0013	3954.989999	-0.0003

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

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 648668 (3730.02 MHz)		CH 663332 (3949.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3730.020004	0.0011	3949.98	0
7.2	3730.020008	0.0021	3949.98001	0.0025
8.28	3730.02001	0.0027	3949.980007	0.0018

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

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	3730.020007	0.0019	3949.98001	0.0025
-20	3730.020002	0.0005	3949.980003	0.0008
-10	3730.019992	-0.0021	3949.97999	-0.0025
0	3730.020001	0.0003	3949.979997	-0.0008
10	3730.019999	-0.0003	3949.979994	-0.0015
20	3730.02	0	3949.980004	0.001
30	3730.019992	-0.0021	3949.979996	-0.001
40	3730.020006	0.0016	3949.980008	0.002
50	3730.019991	-0.0024	3949.979996	-0.001

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

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 649000 (3735 MHz)		CH 663000 (3945 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3734.999998	-0.0005	3944.999994	-0.0015
7.2	3734.999996	-0.0011	3944.999995	-0.0013
8.28	3734.999997	-0.0008	3944.999998	-0.0005

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 649000 (3735 MHz)		CH 663000 (3945 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3735.000008	0.0021	3945.000006	0.0015
-20	3734.999997	-0.0008	3944.999997	-0.0008
-10	3734.99999	-0.0027	3944.999991	-0.0023
0	3734.999994	-0.0016	3944.999994	-0.0015
10	3734.999993	-0.0019	3944.999991	-0.0023
20	3735.000002	0.0005	3945.000005	0.0013
30	3735.000002	0.0005	3944.999999	-0.0003
40	3734.999992	-0.0021	3944.999994	-0.0015
50	3734.999993	-0.0019	3944.999997	-0.0008

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

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 649334 (3740.01 MHz)		CH 662666 (3939.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3740.010005	0.0013	3939.990002	0.0005
7.2	3740.010009	0.0024	3939.990007	0.0018
8.28	3740.009997	-0.0008	3939.989996	-0.001

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

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	3740.009995	-0.0013	3939.989997	-0.0008
-20	3740.009996	-0.0011	3939.99	0
-10	3740.010001	0.0003	3939.990001	0.0003
0	3740.009995	-0.0013	3939.989997	-0.0008
10	3740.009999	-0.0003	3939.989997	-0.0008
20	3740.010001	0.0003	3939.990004	0.001
30	3740.009999	-0.0003	3939.989998	-0.0005
40	3740.009994	-0.0016	3939.989998	-0.0005
50	3740.009999	-0.0003	3939.990003	0.0008

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

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 649668 (3745.02 MHz)		CH 662332 (3934.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3745.019992	-0.0021	3934.979991	-0.0023
7.2	3745.019991	-0.0024	3934.97999	-0.0025
8.28	3745.019992	-0.0021	3934.979997	-0.0008

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

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	3745.019999	-0.0003	3934.979998	-0.0005
-20	3745.019995	-0.0013	3934.979996	-0.001
-10	3745.020001	0.0003	3934.979996	-0.001
0	3745.019999	-0.0003	3934.980003	0.0008
10	3745.01999	-0.0027	3934.979994	-0.0015
20	3745.019993	-0.0019	3934.97999	-0.0025
30	3745.02	0	3934.980004	0.001
40	3745.020009	0.0024	3934.980005	0.0013
50	3745.019996	-0.0011	3934.979993	-0.0018

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

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 650000 (3750 MHz)		CH 662000 (3930 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	3750.000006	0.0016	3930.000002	0.0005
7.2	3749.999999	-0.0003	3930.000002	0.0005
8.28	3749.999994	-0.0016	3929.99999	-0.0025

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (℃)	CH 650000 (3750 MHz)		CH 662000 (3930 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3750.000008	0.0021	3930.000008	0.002
-20	3750.000003	0.0008	3930.000005	0.0013
-10	3750.000003	0.0008	3930.000005	0.0013
0	3750.000002	0.0005	3930.000002	0.0005
10	3750.000002	0.0005	3929.999999	-0.0003
20	3749.999999	-0.0003	3929.999998	-0.0005
30	3750.000005	0.0013	3930.000008	0.002
40	3750.000007	0.0019	3930.000009	0.0023
50	3749.999994	-0.0016	3929.999994	-0.0015

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
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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