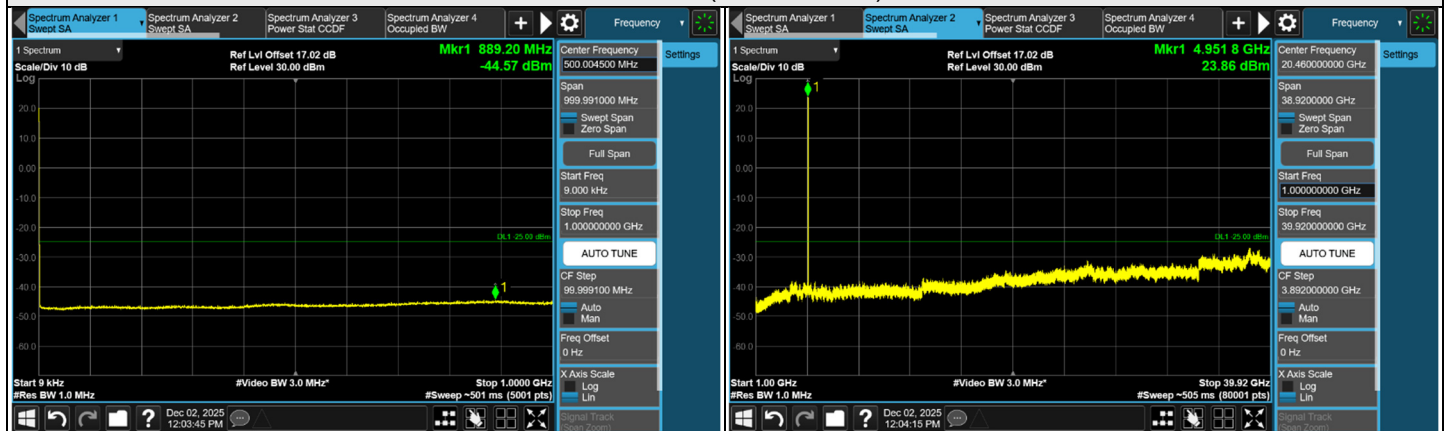


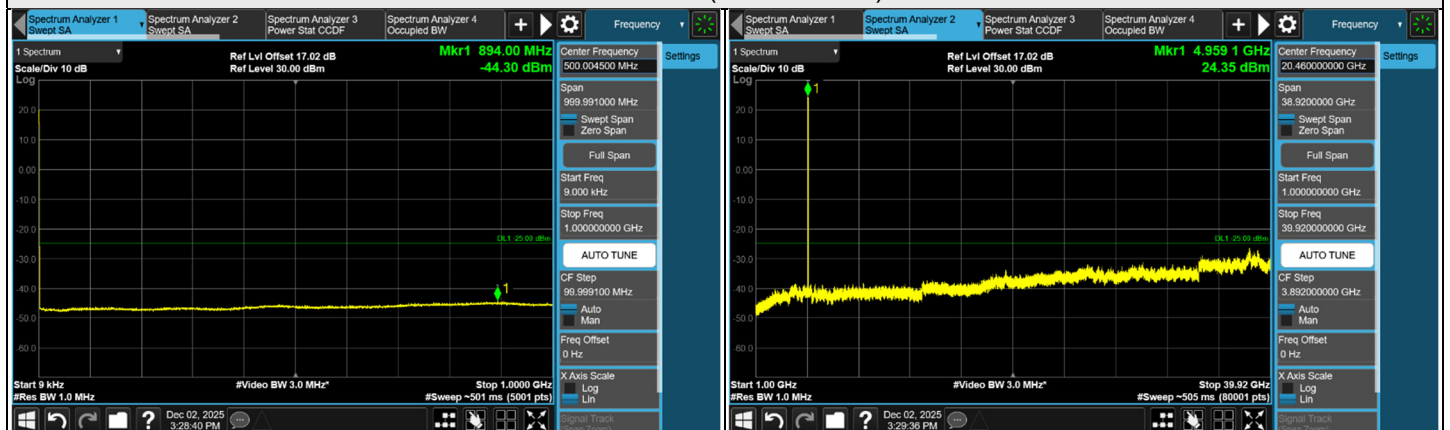
Chain 3



CH 730668 (4960.02 MHz)

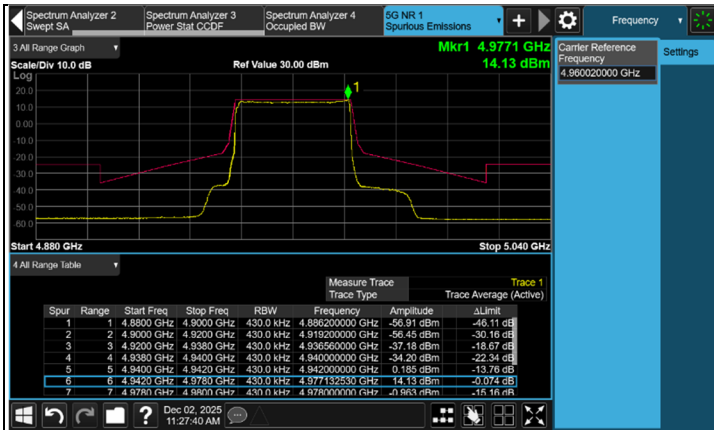


CH 731000 (4965.00 MHz)

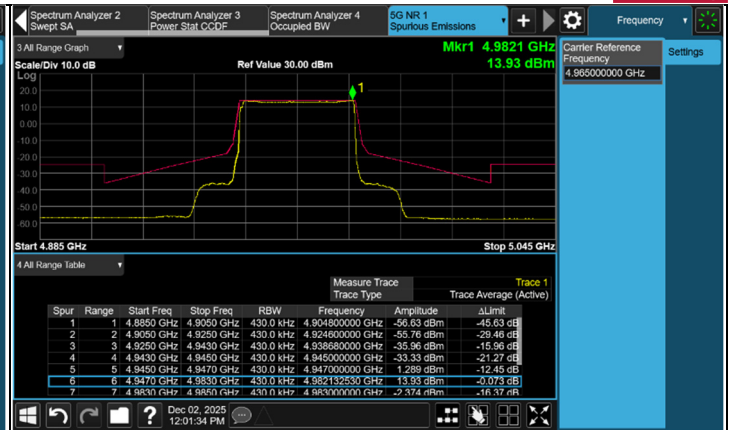


CH 731332 (4969.98 MHz)

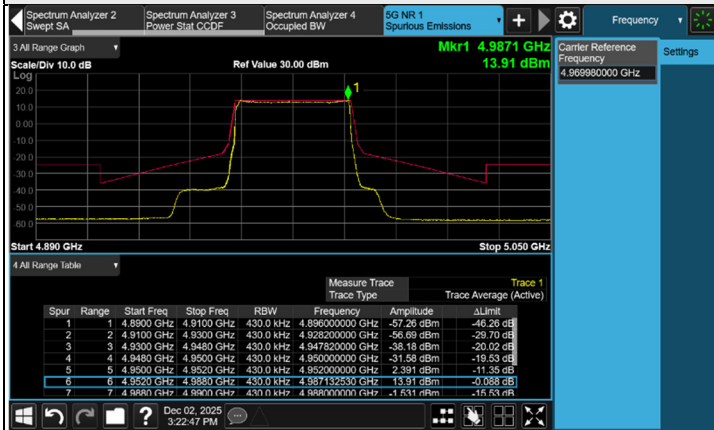
Note: The signal at 9 kHz is IF signal from spectrum analyzer.



CH 730668 (4960.02 MHz)



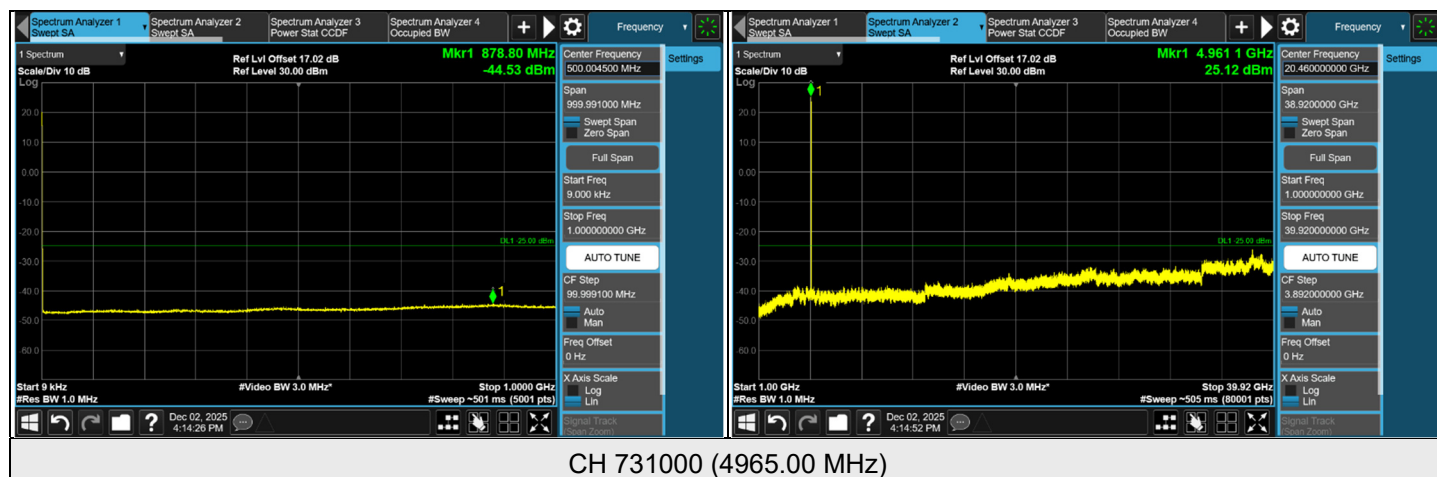
CH 731000 (4965.00 MHz)



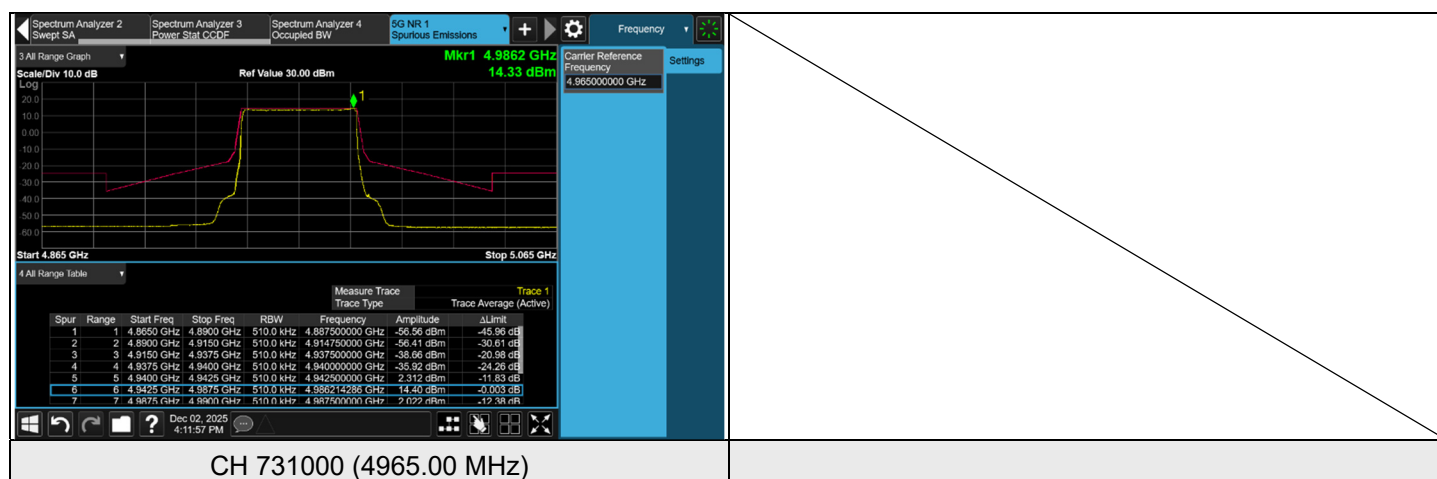
CH 731332 (4969.98 MHz)

1CC, Channel Bandwidth: 50 MHz

Chain 0



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

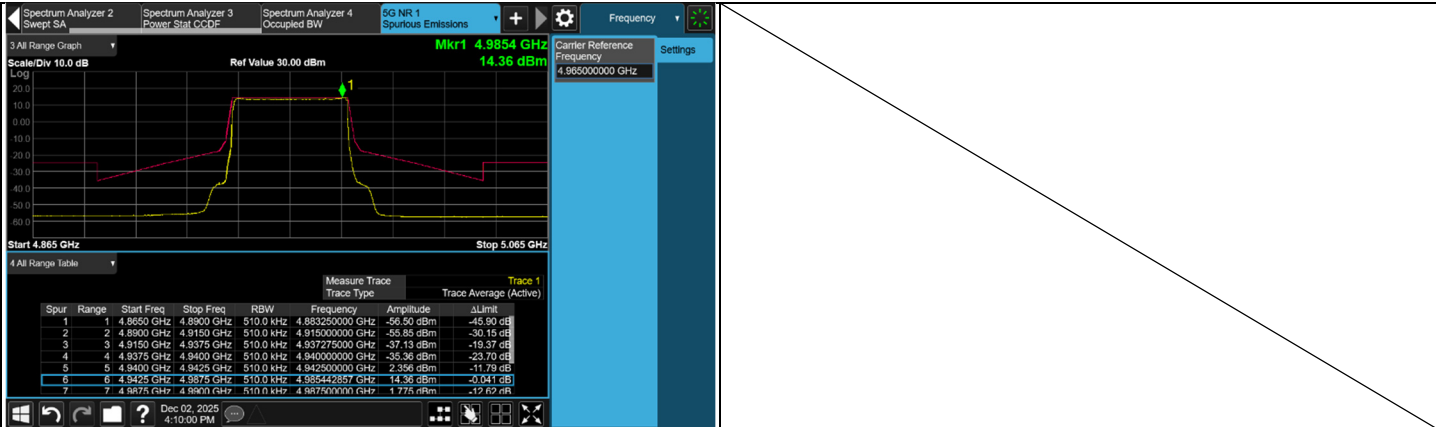


Chain 1



CH 731000 (4965.00 MHz)

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



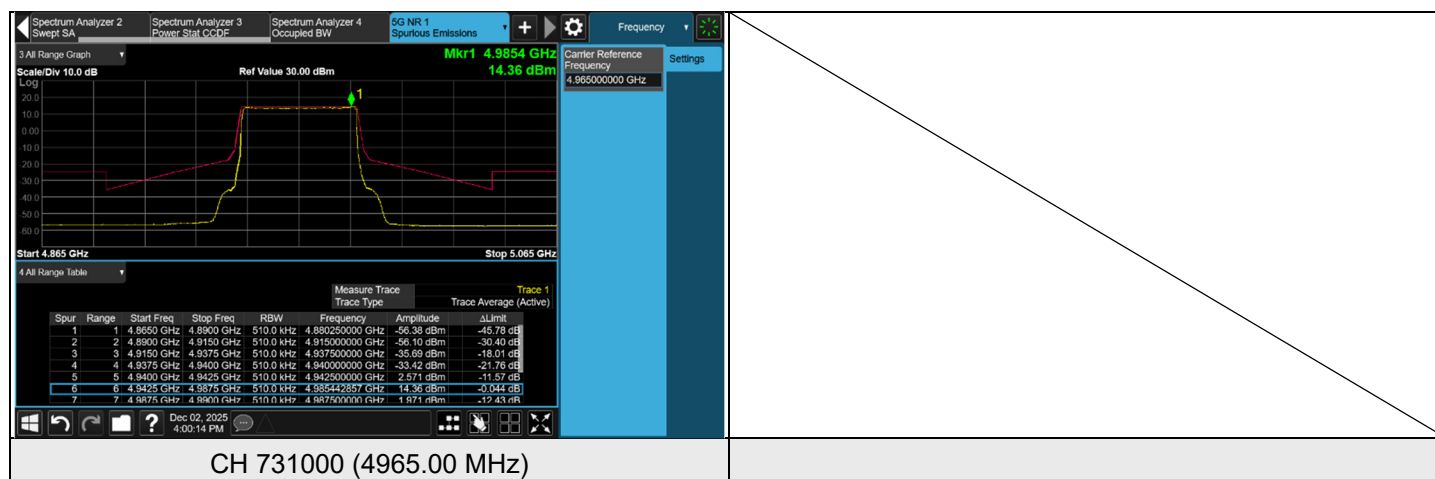
CH 731000 (4965.00 MHz)

Chain 2



CH 731000 (4965.00 MHz)

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



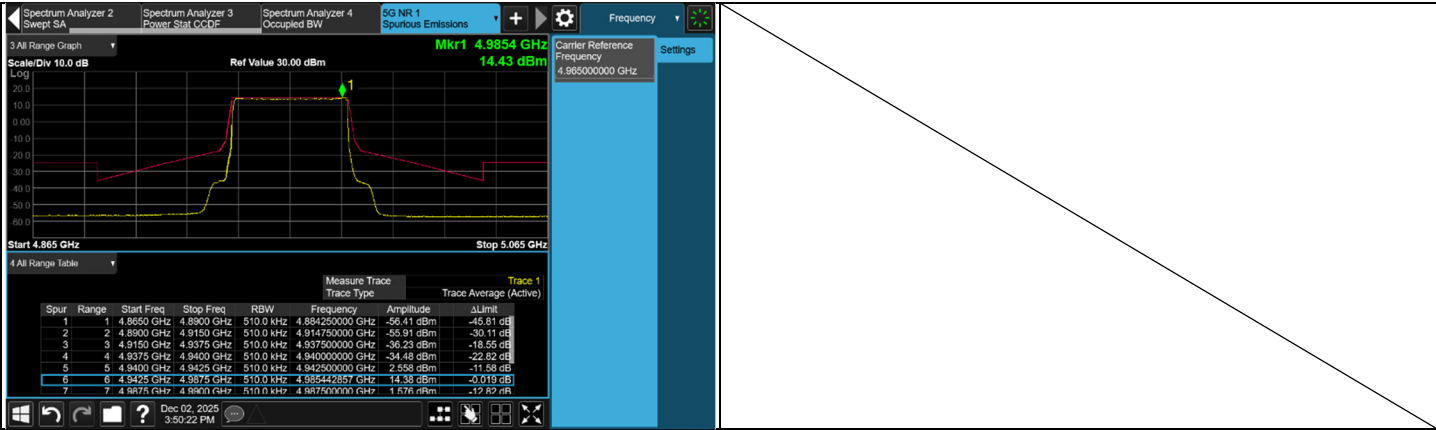
CH 731000 (4965.00 MHz)

Chain 3



CH 731000 (4965.00 MHz)

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



CH 731000 (4965.00 MHz)

7.7 Radiated Spurious Emissions below 1GHz

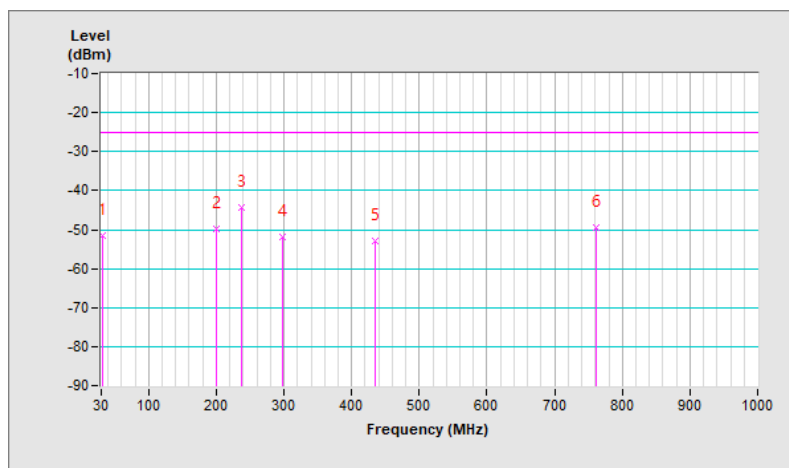
7.7.1 NR n79 SCS 30 kHz

RF Mode	NR n79 SCS 30 kHz Channel Bandwidth: 50MHz	Channel	CH 731000 : 4965 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	-51.40	-25.00	-26.40	1.25 H	331	58.13	-109.53
2	199.75	-49.66	-25.00	-24.66	1.25 H	166	62.04	-111.70
3	237.58	-44.42	-25.00	-19.42	1.50 H	166	65.42	-109.84
4	298.69	-51.72	-25.00	-26.72	1.00 H	2	55.95	-107.67
5	435.46	-52.78	-25.00	-27.78	1.50 H	331	51.22	-104.00
6	762.35	-49.53	-25.00	-24.53	1.25 H	229	48.26	-97.79

Remarks:

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

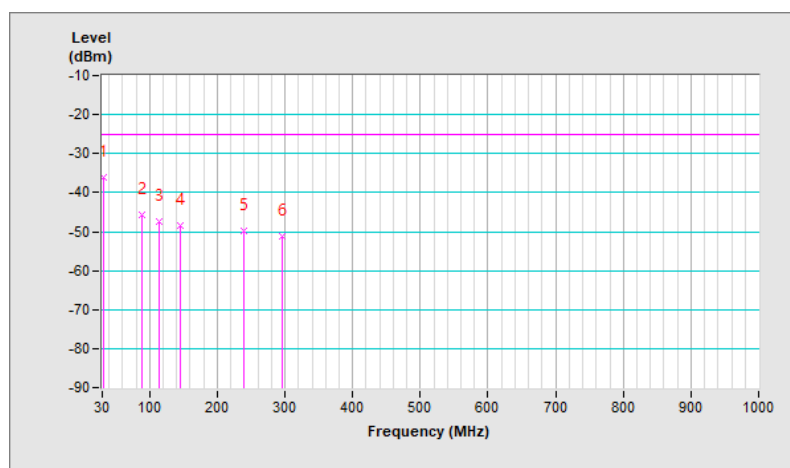


RF Mode	NR n79 SCS 30 kHz Channel Bandwidth: 50MHz	Channel	CH 731000 : 4965 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	-36.11	-25.00	-11.11	1.25 V	46	73.42	-109.53
2	89.17	-45.86	-25.00	-20.86	1.50 V	127	68.41	-114.27
3	114.39	-47.26	-25.00	-22.26	1.50 V	127	63.68	-110.94
4	145.43	-48.48	-25.00	-23.48	1.00 V	129	59.81	-108.29
5	239.52	-49.86	-25.00	-24.86	1.25 V	16	59.86	-109.72
6	296.75	-51.11	-25.00	-26.11	2.00 V	129	56.63	-107.74

Remarks:

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



7.8 Radiated Spurious Emissions above 1GHz

7.8.1 NR n79 SCS 30 kHz

RF Mode	NR n79 SCS 30 kHz Channel Bandwidth: 10MHz	Channel	CH 729668 : 4945.02 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	9890.04	-38.62	-25.00	-13.62	2.98 H	175	47.19	-85.81
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	9890.04	-38.20	-25.00	-13.20	2.26 V	314	47.61	-85.81

Remarks:

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

RF Mode	NR n79 SCS 30 kHz Channel Bandwidth: 10MHz	Channel	CH 731000 : 4965 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	9930.00	-38.52	-25.00	-13.52	2.97 H	176	47.29	-85.81
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	9930.00	-38.04	-25.00	-13.04	2.33 V	309	47.77	-85.81

Remarks:

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

RF Mode	NR n79 SCS 30 kHz Channel Bandwidth: 10MHz	Channel	CH 732332 : 4984.98 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	9969.96	-38.58	-25.00	-13.58	2.98 H	173	47.28	-85.86
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	9969.96	-38.10	-25.00	-13.10	2.25 V	312	47.76	-85.86

Remarks:

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

RF Mode	NR n79 SCS 30 kHz Channel Bandwidth: 30MHz	Channel	CH 730334 : 4955.01 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	9910.02	-38.53	-25.00	-13.53	3.04 H	173	47.26	-85.79
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	9910.02	-38.27	-25.00	-13.27	2.30 V	315	47.52	-85.79

Remarks:

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

RF Mode	NR n79 SCS 30 kHz Channel Bandwidth: 30MHz	Channel	CH 731000 : 4965 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	9930.00	-38.60	-25.00	-13.60	3.01 H	178	47.21	-85.81
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	9930.00	-38.12	-25.00	-13.12	2.25 V	313	47.69	-85.81

Remarks:

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

RF Mode	NR n79 SCS 30 kHz Channel Bandwidth: 30MHz	Channel	CH 731666 : 4974.99 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	9949.98	-38.68	-25.00	-13.68	3.01 H	180	47.15	-85.83
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	9949.98	-38.21	-25.00	-13.21	2.27 V	312	47.62	-85.83

Remarks:

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

RF Mode	NR n79 SCS 30 kHz Channel Bandwidth: 50MHz	Channel	CH 731000 : 4965 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	9930.00	-38.47	-25.00	-13.47	3.01 H	176	47.34	-85.81
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	9930.00	-38.05	-25.00	-13.05	2.28 V	312	47.76	-85.81

Remarks:

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

7.9 Frequency Stability

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

7.9.1 NR n79 SCS 30 kHz

1CC, Channel Bandwidth: 10 MHz

Chain 0

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 729668 (4945.02 MHz)		CH 732332 (4984.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
57	4945.019998	-0.000404	4984.980003	0.000602
48	4945.019996	-0.000809	4984.979998	-0.000401
40	4945.020001	0.000202	4984.979998	-0.000401

Note: The applicant defined the normal working voltage is from 40 to 57 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 729668 (4945.02 MHz)		CH 732332 (4984.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4945.019997	-0.000607	4984.980002	0.000401
-30	4945.020003	0.000607	4984.979998	-0.000401
-20	4945.020002	0.000404	4984.980004	0.000802
-10	4945.019996	-0.000809	4984.979998	-0.000401
0	4945.019999	-0.000202	4984.980002	0.000401
10	4945.019997	-0.000607	4984.980004	0.000802
20	4945.019996	-0.000809	4984.980002	0.000401
30	4945.019999	-0.000202	4984.980001	0.000201
40	4945.020003	0.000607	4984.979998	-0.000401
50	4945.020004	0.000809	4984.979998	-0.000401
60	4945.020004	0.000809	4984.980001	0.000201

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 729668 (4945.02 MHz)		CH 732332 (4984.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
240	4945.019999	-0.000202	4984.980005	0.001003
230	4945.020003	0.000607	4984.979999	-0.000201
100	4945.020004	0.000809	4984.980003	0.000602

Note: The applicant defined the normal working voltage is from 100 to 240 Vac.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 729668 (4945.02 MHz)		CH 732332 (4984.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4945.020003	0.000607	4984.979996	-0.000802
-30	4945.019996	-0.000809	4984.979998	-0.000401
-20	4945.020002	0.000404	4984.979996	-0.000802
-10	4945.020003	0.000607	4984.979998	-0.000401
0	4945.019996	-0.000809	4984.979997	-0.000602
10	4945.019995	-0.001011	4984.979997	-0.000602
20	4945.020003	0.000607	4984.980005	0.001003
30	4945.020005	0.001011	4984.980002	0.000401
40	4945.020004	0.000809	4984.980002	0.000401
50	4945.020001	0.000202	4984.979999	-0.000201
60	4945.019997	-0.000607	4984.979999	-0.000201

Chain 1

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 729668 (4945.02 MHz)		CH 732332 (4984.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
57	4945.020002	0.000404	4984.980003	0.000602
48	4945.020002	0.000404	4984.980002	0.000401
40	4945.019997	-0.000607	4984.979996	-0.000802

Note: The applicant defined the normal working voltage is from 40 to 57 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 729668 (4945.02 MHz)		CH 732332 (4984.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4945.019997	-0.000607	4984.980002	0.000401
-30	4945.019996	-0.000809	4984.980003	0.000602
-20	4945.020003	0.000607	4984.980005	0.001003
-10	4945.020004	0.000809	4984.979995	-0.001003
0	4945.020001	0.000202	4984.979996	-0.000802
10	4945.019996	-0.000809	4984.980003	0.000602
20	4945.020004	0.000809	4984.980002	0.000401
30	4945.020002	0.000404	4984.980002	0.000401
40	4945.019999	-0.000202	4984.980002	0.000401
50	4945.019995	-0.001011	4984.980005	0.001003
60	4945.020001	0.000202	4984.980002	0.000401

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 729668 (4945.02 MHz)		CH 732332 (4984.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
240	4945.019996	-0.000809	4984.979999	-0.000201
230	4945.019996	-0.000809	4984.980001	0.000201
100	4945.020001	0.000202	4984.979998	-0.000401

Note: The applicant defined the normal working voltage is from 100 to 240 Vac.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 729668 (4945.02 MHz)		CH 732332 (4984.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4945.019999	-0.000202	4984.979997	-0.000602
-30	4945.019995	-0.001011	4984.979999	-0.000201
-20	4945.020001	0.000202	4984.980001	0.000201
-10	4945.019997	-0.000607	4984.979997	-0.000602
0	4945.019996	-0.000809	4984.979998	-0.000401
10	4945.020001	0.000202	4984.979996	-0.000802
20	4945.019998	-0.000404	4984.980001	0.000201
30	4945.019995	-0.001011	4984.979996	-0.000802
40	4945.019997	-0.000607	4984.979998	-0.000401
50	4945.019998	-0.000404	4984.979996	-0.000802
60	4945.020003	0.000607	4984.980002	0.000401

Chain 2

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 729668 (4945.02 MHz)		CH 732332 (4984.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
57	4945.019999	-0.000202	4984.980004	0.000802
48	4945.020005	0.001011	4984.980004	0.000802
40	4945.019999	-0.000202	4984.979997	-0.000602

Note: The applicant defined the normal working voltage is from 40 to 57 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 729668 (4945.02 MHz)		CH 732332 (4984.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4945.019997	-0.000607	4984.980002	0.000401
-30	4945.019997	-0.000607	4984.979996	-0.000802
-20	4945.019995	-0.001011	4984.980003	0.000602
-10	4945.019996	-0.000809	4984.980004	0.000802
0	4945.019996	-0.000809	4984.979996	-0.000802
10	4945.019997	-0.000607	4984.980002	0.000401
20	4945.020003	0.000607	4984.980005	0.001003
30	4945.020004	0.000809	4984.979997	-0.000602
40	4945.020004	0.000809	4984.980005	0.001003
50	4945.020002	0.000404	4984.979998	-0.000401
60	4945.020002	0.000404	4984.980001	0.000201

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 729668 (4945.02 MHz)		CH 732332 (4984.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
240	4945.020001	0.000202	4984.980001	0.000201
230	4945.020002	0.000404	4984.980004	0.000802
100	4945.019995	-0.001011	4984.979996	-0.000802

Note: The applicant defined the normal working voltage is from 100 to 240 Vac.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 729668 (4945.02 MHz)		CH 732332 (4984.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4945.019996	-0.000809	4984.979995	-0.001003
-30	4945.020005	0.001011	4984.980001	0.000201
-20	4945.020003	0.000607	4984.980005	0.001003
-10	4945.019996	-0.000809	4984.979996	-0.000802
0	4945.020005	0.001011	4984.980003	0.000602
10	4945.020002	0.000404	4984.979998	-0.000401
20	4945.019996	-0.000809	4984.979999	-0.000201
30	4945.019998	-0.000404	4984.980005	0.001003
40	4945.020004	0.000809	4984.980005	0.001003
50	4945.019999	-0.000202	4984.979997	-0.000602
60	4945.019998	-0.000404	4984.980004	0.000802

Chain 3

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 729668 (4945.02 MHz)		CH 732332 (4984.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
57	4945.019998	-0.000404	4984.980002	0.000401
48	4945.020004	0.000809	4984.980001	0.000201
40	4945.019998	-0.000404	4984.980003	0.000602

Note: The applicant defined the normal working voltage is from 40 to 57 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 729668 (4945.02 MHz)		CH 732332 (4984.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4945.019997	-0.000607	4984.980002	0.000401
-30	4945.019996	-0.000809	4984.980001	0.000201
-20	4945.020001	0.000202	4984.980001	0.000201
-10	4945.019996	-0.000809	4984.979998	-0.000401
0	4945.019998	-0.000404	4984.980001	0.000201
10	4945.020001	0.000202	4984.979998	-0.000401
20	4945.020004	0.000809	4984.979998	-0.000401
30	4945.020001	0.000202	4984.979998	-0.000401
40	4945.019997	-0.000607	4984.980005	0.001003
50	4945.019996	-0.000809	4984.980001	0.000201
60	4945.019995	-0.001011	4984.980002	0.000401

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 729668 (4945.02 MHz)		CH 732332 (4984.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
240	4945.020004	0.000809	4984.980003	0.000602
230	4945.019997	-0.000607	4984.979995	-0.001003
100	4945.020004	0.000809	4984.980003	0.000602

Note: The applicant defined the normal working voltage is from 100 to 240 Vac.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 729668 (4945.02 MHz)		CH 732332 (4984.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4945.020001	0.000202	4984.979998	-0.000401
-30	4945.019995	-0.001011	4984.980003	0.000602
-20	4945.019995	-0.001011	4984.980002	0.000401
-10	4945.019999	-0.000202	4984.980004	0.000802
0	4945.020004	0.000809	4984.980001	0.000201
10	4945.019999	-0.000202	4984.980003	0.000602
20	4945.020005	0.001011	4984.979999	-0.000201
30	4945.019997	-0.000607	4984.980003	0.000602
40	4945.020002	0.000404	4984.980005	0.001003
50	4945.019998	-0.000404	4984.980005	0.001003
60	4945.019997	-0.000607	4984.979997	-0.000602

1CC, Channel Bandwidth: 20 MHz

Chain 0

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 730000 (4950.00 MHz)		CH 732000 (4980.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
57	4950.000001	0.000202	4980.000003	0.000602
48	4950.000004	0.000808	4979.999998	-0.000402
40	4950.000002	0.000404	4979.999998	-0.000402

Note: The applicant defined the normal working voltage is from 40 to 57 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730000 (4950.00 MHz)		CH 732000 (4980.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4949.999996	-0.000808	4979.999997	-0.000602
-30	4950.000003	0.000606	4979.999998	-0.000402
-20	4949.999999	-0.000202	4980.000005	0.001004
-10	4950.000003	0.000606	4979.999999	-0.000201
0	4950.000001	0.000202	4979.999999	-0.000201
10	4950.000001	0.000202	4980.000003	0.000602
20	4950.000002	0.000404	4979.999997	-0.000602
30	4949.999999	-0.000202	4979.999995	-0.001004
40	4950.000003	0.000606	4979.999999	-0.000201
50	4949.999997	-0.000606	4979.999997	-0.000602
60	4949.999996	-0.000808	4980.000003	0.000602

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 730000 (4950.00 MHz)		CH 732000 (4980.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
240	4950.000004	0.000808	4980.000001	0.000201
230	4949.999995	-0.001010	4980.000003	0.000602
100	4949.999997	-0.000606	4980.000005	0.001004

Note: The applicant defined the normal working voltage is from 100 to 240 Vac.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730000 (4950.00 MHz)		CH 732000 (4980.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4950.000005	0.001010	4979.999997	-0.000602
-30	4949.999999	-0.000202	4979.999999	-0.000201
-20	4949.999999	-0.000202	4980.000004	0.000803
-10	4949.999998	-0.000404	4980.000004	0.000803
0	4950.000004	0.000808	4980.000005	0.001004
10	4949.999997	-0.000606	4979.999995	-0.001004
20	4949.999999	-0.000202	4979.999997	-0.000602
30	4950.000005	0.001010	4979.999997	-0.000602
40	4949.999997	-0.000606	4980.000005	0.001004
50	4949.999999	-0.000202	4979.999999	-0.000201
60	4949.999998	-0.000404	4979.999997	-0.000602

Chain 1

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 730000 (4950.00 MHz)		CH 732000 (4980.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
57	4949.999998	-0.000404	4980.000004	0.000803
48	4949.999995	-0.001010	4979.999999	-0.000201
40	4949.999997	-0.000606	4980.000004	0.000803

Note: The applicant defined the normal working voltage is from 40 to 57 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730000 (4950.00 MHz)		CH 732000 (4980.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4949.999996	-0.000808	4979.999997	-0.000602
-30	4949.999996	-0.000808	4980.000001	0.000201
-20	4950.000001	0.000202	4980.000003	0.000602
-10	4950.000003	0.000606	4980.000005	0.001004
0	4950.000005	0.001010	4980.000003	0.000602
10	4949.999996	-0.000808	4980.000002	0.000402
20	4950.000002	0.000404	4980.000000	0.000000
30	4950.000005	0.001010	4980.000002	0.000402
40	4949.999999	-0.000202	4979.999998	-0.000402
50	4949.999998	-0.000404	4980.000002	0.000402
60	4949.999997	-0.000606	4980.000002	0.000402

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 730000 (4950.00 MHz)		CH 732000 (4980.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
240	4950.000004	0.000808	4979.999999	-0.000201
230	4950.000002	0.000404	4979.999998	-0.000402
100	4949.999999	-0.000202	4980.000002	0.000402

Note: The applicant defined the normal working voltage is from 100 to 240 Vac.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730000 (4950.00 MHz)		CH 732000 (4980.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4949.999997	-0.000606	4979.999999	-0.000201
-30	4950.000003	0.000606	4979.999999	-0.000201
-20	4949.999998	-0.000404	4979.999998	-0.000402
-10	4949.999999	-0.000202	4979.999995	-0.001004
0	4950.000003	0.000606	4979.999995	-0.001004
10	4949.999995	-0.001010	4979.999997	-0.000602
20	4949.999997	-0.000606	4980.000003	0.000602
30	4949.999996	-0.000808	4980.000004	0.000803
40	4950.000001	0.000202	4979.999997	-0.000602
50	4950.000003	0.000606	4979.999996	-0.000803
60	4949.999995	-0.001010	4980.000002	0.000402

Chain 2

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 730000 (4950.00 MHz)		CH 732000 (4980.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
57	4950.000001	0.000202	4979.999997	-0.000602
48	4950.000005	0.001010	4979.999995	-0.001004
40	4950.000002	0.000404	4980.000003	0.000602

Note: The applicant defined the normal working voltage is from 40 to 57 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730000 (4950.00 MHz)		CH 732000 (4980.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4949.999996	-0.000808	4979.999997	-0.000602
-30	4950.000001	0.000202	4980.000001	0.000201
-20	4950.000002	0.000404	4980.000002	0.000402
-10	4949.999997	-0.000606	4979.999996	-0.000803
0	4949.999999	-0.000202	4979.999999	-0.000201
10	4949.999997	-0.000606	4980.000003	0.000602
20	4950.000002	0.000404	4979.999998	-0.000402
30	4950.000001	0.000202	4980.000001	0.000201
40	4950.000004	0.000808	4979.999998	-0.000402
50	4950.000005	0.001010	4979.999996	-0.000803
60	4950.000003	0.000606	4979.999996	-0.000803

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 730000 (4950.00 MHz)		CH 732000 (4980.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
240	4950.000005	0.001010	4980.000005	0.001004
230	4949.999995	-0.001010	4979.999995	-0.001004
100	4949.999999	-0.000202	4980.000001	0.000201

Note: The applicant defined the normal working voltage is from 100 to 240 Vac.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730000 (4950.00 MHz)		CH 732000 (4980.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4950.000001	0.000202	4979.999998	-0.000402
-30	4949.999999	-0.000202	4979.999998	-0.000402
-20	4949.999995	-0.001010	4979.999996	-0.000803
-10	4949.999996	-0.000808	4979.999996	-0.000803
0	4949.999999	-0.000202	4979.999996	-0.000803
10	4949.999995	-0.001010	4980.000002	0.000402
20	4949.999996	-0.000808	4980.000003	0.000602
30	4949.999996	-0.000808	4979.999996	-0.000803
40	4949.999995	-0.001010	4979.999999	-0.000201
50	4950.000004	0.000808	4979.999998	-0.000402
60	4950.000003	0.000606	4979.999998	-0.000402

Chain 3

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 730000 (4950.00 MHz)		CH 732000 (4980.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
57	4949.999998	-0.000404	4980.000003	0.000602
48	4949.999995	-0.001010	4979.999999	-0.000201
40	4949.999998	-0.000404	4979.999996	-0.000803

Note: The applicant defined the normal working voltage is from 40 to 57 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730000 (4950.00 MHz)		CH 732000 (4980.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4949.999996	-0.000808	4979.999997	-0.000602
-30	4949.999996	-0.000808	4980.000005	0.001004
-20	4949.999999	-0.000202	4980.000004	0.000803
-10	4949.999997	-0.000606	4980.000002	0.000402
0	4949.999999	-0.000202	4979.999997	-0.000602
10	4950.000002	0.000404	4980.000002	0.000402
20	4950.000005	0.001010	4980.000003	0.000602
30	4949.999998	-0.000404	4979.999999	-0.000201
40	4950.000004	0.000808	4979.999997	-0.000602
50	4950.000004	0.000808	4979.999996	-0.000803
60	4949.999997	-0.000606	4980.000002	0.000402

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 730000 (4950.00 MHz)		CH 732000 (4980.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
240	4949.999998	-0.000404	4979.999999	-0.000201
230	4949.999999	-0.000202	4979.999995	-0.001004
100	4949.999998	-0.000404	4980.000005	0.001004

Note: The applicant defined the normal working voltage is from 100 to 240 Vac.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730000 (4950.00 MHz)		CH 732000 (4980.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4950.000001	0.000202	4980.000004	0.000803
-30	4949.999998	-0.000404	4980.000001	0.000201
-20	4949.999996	-0.000808	4979.999999	-0.000201
-10	4949.999997	-0.000606	4979.999999	-0.000201
0	4949.999999	-0.000202	4980.000004	0.000803
10	4950.000001	0.000202	4980.000003	0.000602
20	4950.000001	0.000202	4980.000002	0.000402
30	4949.999995	-0.001010	4979.999995	-0.001004
40	4950.000001	0.000202	4980.000002	0.000402
50	4950.000003	0.000606	4980.000005	0.001004
60	4950.000002	0.000404	4979.999999	-0.000201

1CC, Channel Bandwidth: 30 MHz

Chain 0

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 730334 (4955.01 MHz)		CH 731666 (4974.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
57	4955.010002	0.000404	4974.990002	0.000402
48	4955.009999	-0.000202	4974.990001	0.000201
40	4955.010002	0.000404	4974.989995	-0.001005

Note: The applicant defined the normal working voltage is from 40 to 57 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730334 (4955.01 MHz)		CH 731666 (4974.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4955.009997	-0.000605	4974.989998	-0.000402
-30	4955.009999	-0.000202	4974.989996	-0.000804
-20	4955.010002	0.000404	4974.990002	0.000402
-10	4955.009997	-0.000605	4974.990004	0.000804
0	4955.009995	-0.001009	4974.989998	-0.000402
10	4955.010002	0.000404	4974.990002	0.000402
20	4955.009998	-0.000404	4974.990002	0.000402
30	4955.009996	-0.000807	4974.990005	0.001005
40	4955.009999	-0.000202	4974.990004	0.000804
50	4955.010003	0.000605	4974.990004	0.000804
60	4955.010003	0.000605	4974.989997	-0.000603

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 730334 (4955.01 MHz)		CH 731666 (4974.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
240	4955.010003	0.000605	4974.989997	-0.000603
230	4955.010002	0.000404	4974.990002	0.000402
100	4955.009997	-0.000605	4974.990003	0.000603

Note: The applicant defined the normal working voltage is from 100 to 240 Vac.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730334 (4955.01 MHz)		CH 731666 (4974.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4955.009995	-0.001009	4974.990003	0.000603
-30	4955.009997	-0.000605	4974.989995	-0.001005
-20	4955.009999	-0.000202	4974.990001	0.000201
-10	4955.010001	0.000202	4974.990005	0.001005
0	4955.010005	0.001009	4974.990002	0.000402
10	4955.010003	0.000605	4974.989995	-0.001005
20	4955.009996	-0.000807	4974.990002	0.000402
30	4955.009997	-0.000605	4974.989999	-0.000201
40	4955.009997	-0.000605	4974.989995	-0.001005
50	4955.010003	0.000605	4974.990002	0.000402
60	4955.010002	0.000404	4974.989998	-0.000402

Chain 1

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 730334 (4955.01 MHz)		CH 731666 (4974.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
57	4955.009998	-0.000404	4974.989998	-0.000402
48	4955.010001	0.000202	4974.990002	0.000402
40	4955.009996	-0.000807	4974.990005	0.001005

Note: The applicant defined the normal working voltage is from 40 to 57 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730334 (4955.01 MHz)		CH 731666 (4974.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4955.009997	-0.000605	4974.989998	-0.000402
-30	4955.010004	0.000807	4974.990003	0.000603
-20	4955.009995	-0.001009	4974.989999	-0.000201
-10	4955.010005	0.001009	4974.989995	-0.001005
0	4955.010004	0.000807	4974.990002	0.000402
10	4955.010001	0.000202	4974.989995	-0.001005
20	4955.009999	-0.000202	4974.989997	-0.000603
30	4955.010003	0.000605	4974.989998	-0.000402
40	4955.009996	-0.000807	4974.990003	0.000603
50	4955.010005	0.001009	4974.990001	0.000201
60	4955.010002	0.000404	4974.989996	-0.000804

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 730334 (4955.01 MHz)		CH 731666 (4974.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
240	4955.010005	0.001009	4974.989998	-0.000402
230	4955.010005	0.001009	4974.989998	-0.000402
100	4955.009995	-0.001009	4974.990002	0.000402

Note: The applicant defined the normal working voltage is from 100 to 240 Vac.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730334 (4955.01 MHz)		CH 731666 (4974.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4955.010005	0.001009	4974.989995	-0.001005
-30	4955.009996	-0.000807	4974.990005	0.001005
-20	4955.009996	-0.000807	4974.990004	0.000804
-10	4955.009995	-0.001009	4974.989996	-0.000804
0	4955.010003	0.000605	4974.990005	0.001005
10	4955.010003	0.000605	4974.990003	0.000603
20	4955.010001	0.000202	4974.989995	-0.001005
30	4955.010003	0.000605	4974.989997	-0.000603
40	4955.010003	0.000605	4974.989999	-0.000201
50	4955.010005	0.001009	4974.990002	0.000402
60	4955.010001	0.000202	4974.989999	-0.000201

Chain 2

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 730334 (4955.01 MHz)		CH 731666 (4974.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
57	4955.009995	-0.001009	4974.989997	-0.000603
48	4955.010001	0.000202	4974.990002	0.000402
40	4955.009997	-0.000605	4974.989999	-0.000201

Note: The applicant defined the normal working voltage is from 40 to 57 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730334 (4955.01 MHz)		CH 731666 (4974.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4955.009997	-0.000605	4974.989998	-0.000402
-30	4955.009997	-0.000605	4974.989997	-0.000603
-20	4955.009999	-0.000202	4974.989995	-0.001005
-10	4955.009996	-0.000807	4974.990001	0.000201
0	4955.009997	-0.000605	4974.990003	0.000603
10	4955.010001	0.000202	4974.989997	-0.000603
20	4955.010004	0.000807	4974.990002	0.000402
30	4955.009999	-0.000202	4974.990005	0.001005
40	4955.009996	-0.000807	4974.990001	0.000201
50	4955.010004	0.000807	4974.990004	0.000804
60	4955.009997	-0.000605	4974.990001	0.000201

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 730334 (4955.01 MHz)		CH 731666 (4974.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
240	4955.009996	-0.000807	4974.990004	0.000804
230	4955.010002	0.000404	4974.990005	0.001005
100	4955.010002	0.000404	4974.989998	-0.000402

Note: The applicant defined the normal working voltage is from 100 to 240 Vac.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730334 (4955.01 MHz)		CH 731666 (4974.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4955.010004	0.000807	4974.989998	-0.000402
-30	4955.009996	-0.000807	4974.990001	0.000201
-20	4955.010001	0.000202	4974.990004	0.000804
-10	4955.010003	0.000605	4974.990005	0.001005
0	4955.010002	0.000404	4974.990001	0.000201
10	4955.010004	0.000807	4974.989996	-0.000804
20	4955.009998	-0.000404	4974.990002	0.000402
30	4955.009999	-0.000202	4974.989998	-0.000402
40	4955.010005	0.001009	4974.989996	-0.000804
50	4955.010005	0.001009	4974.989996	-0.000804
60	4955.009998	-0.000404	4974.989999	-0.000201

Chain 3

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 730334 (4955.01 MHz)		CH 731666 (4974.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
57	4955.010000	0.000000	4974.990002	0.000402
48	4955.010004	0.000807	4974.989998	-0.000402
40	4955.010005	0.001009	4974.990003	0.000603

Note: The applicant defined the normal working voltage is from 40 to 57 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730334 (4955.01 MHz)		CH 731666 (4974.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4955.009997	-0.000605	4974.989998	-0.000402
-30	4955.009998	-0.000404	4974.990003	0.000603
-20	4955.010001	0.000202	4974.990004	0.000804
-10	4955.010001	0.000202	4974.989999	-0.000201
0	4955.009995	-0.001009	4974.989998	-0.000402
10	4955.010003	0.000605	4974.990001	0.000201
20	4955.010005	0.001009	4974.989999	-0.000201
30	4955.009996	-0.000807	4974.989995	-0.001005
40	4955.010005	0.001009	4974.989998	-0.000402
50	4955.010003	0.000605	4974.990004	0.000804
60	4955.009998	-0.000404	4974.990001	0.000201

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 730334 (4955.01 MHz)		CH 731666 (4974.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
240	4955.010003	0.000605	4974.990001	0.000201
230	4955.010002	0.000404	4974.990004	0.000804
100	4955.010003	0.000605	4974.990001	0.000201

Note: The applicant defined the normal working voltage is from 100 to 240 Vac.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730334 (4955.01 MHz)		CH 731666 (4974.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4955.010004	0.000807	4974.990001	0.000201
-30	4955.009999	-0.000202	4974.989996	-0.000804
-20	4955.009998	-0.000404	4974.989996	-0.000804
-10	4955.009998	-0.000404	4974.989995	-0.001005
0	4955.010002	0.000404	4974.990005	0.001005
10	4955.010001	0.000202	4974.989996	-0.000804
20	4955.010002	0.000404	4974.990003	0.000603
30	4955.010004	0.000807	4974.989996	-0.000804
40	4955.010003	0.000605	4974.990004	0.000804
50	4955.009995	-0.001009	4974.989999	-0.000201
60	4955.010002	0.000404	4974.989999	-0.000201

1CC, Channel Bandwidth: 40 MHz

Chain 0

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 730668 (4960.02 MHz)		CH 731332 (4969.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
57	4960.020004	0.000806	4969.979999	-0.000201
48	4960.020003	0.000605	4969.980003	0.000604
40	4960.020001	0.000202	4969.980004	0.000805

Note: The applicant defined the normal working voltage is from 40 to 57 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730668 (4960.02 MHz)		CH 731332 (4969.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4960.019997	-0.000605	4969.980005	0.001005
-30	4960.019998	-0.000403	4969.979997	-0.000604
-20	4960.020003	0.000605	4969.980001	0.000201
-10	4960.019996	-0.000806	4969.980002	0.000402
0	4960.019996	-0.000806	4969.979997	-0.000604
10	4960.020003	0.000605	4969.979998	-0.000402
20	4960.020002	0.000403	4969.980002	0.000402
30	4960.020002	0.000403	4969.980004	0.000805
40	4960.020004	0.000806	4969.979998	-0.000402
50	4960.020002	0.000403	4969.980003	0.000604
60	4960.019996	-0.000806	4969.979996	-0.000805

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 730668 (4960.02 MHz)		CH 731332 (4969.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
240	4960.020003	0.000605	4969.980004	0.000805
230	4960.019997	-0.000605	4969.979997	-0.000604
100	4960.019998	-0.000403	4969.979996	-0.000805

Note: The applicant defined the normal working voltage is from 100 to 240 Vac.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730668 (4960.02 MHz)		CH 731332 (4969.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4960.019997	-0.000605	4969.980003	0.000603
-30	4960.020001	0.000202	4969.979995	-0.001006
-20	4960.020005	0.001008	4969.980002	0.000402
-10	4960.019996	-0.000806	4969.979999	-0.000201
0	4960.019995	-0.001008	4969.979997	-0.000604
10	4960.020002	0.000403	4969.980004	0.000805
20	4960.020003	0.000605	4969.979997	-0.000604
30	4960.020005	0.001008	4969.980005	0.001006
40	4960.019997	-0.000605	4969.979999	-0.000201
50	4960.019998	-0.000403	4969.979999	-0.000201
60	4960.019996	-0.000806	4969.980004	0.000805

Chain 1

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 730668 (4960.02 MHz)		CH 731332 (4969.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
57	4960.019999	-0.000202	4969.980001	0.000201
48	4960.019998	-0.000403	4969.979995	-0.001006
40	4960.019995	-0.001008	4969.979997	-0.000604

Note: The applicant defined the normal working voltage is from 40 to 57 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730668 (4960.02 MHz)		CH 731332 (4969.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4960.019997	-0.000605	4969.980005	0.001005
-30	4960.019996	-0.000806	4969.980001	0.000201
-20	4960.019997	-0.000605	4969.979999	-0.000201
-10	4960.019997	-0.000605	4969.979997	-0.000604
0	4960.019995	-0.001008	4969.979997	-0.000604
10	4960.019997	-0.000605	4969.980000	0.000000
20	4960.019999	-0.000202	4969.980004	0.000805
30	4960.020002	0.000403	4969.979995	-0.001006
40	4960.020002	0.000403	4969.979995	-0.001006
50	4960.019996	-0.000806	4969.980003	0.000604
60	4960.020003	0.000605	4969.980002	0.000402

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 730668 (4960.02 MHz)		CH 731332 (4969.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
240	4960.019998	-0.000403	4969.979997	-0.000604
230	4960.020005	0.001008	4969.980001	0.000201
100	4960.020002	0.000403	4969.979996	-0.000805

Note: The applicant defined the normal working voltage is from 100 to 240 Vac.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730668 (4960.02 MHz)		CH 731332 (4969.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4960.020002	0.000404	4969.980001	0.000201
-30	4960.020004	0.000806	4969.979998	-0.000402
-20	4960.019996	-0.000806	4969.980005	0.001006
-10	4960.020001	0.000202	4969.980004	0.000805
0	4960.020002	0.000403	4969.979995	-0.001006
10	4960.019998	-0.000403	4969.979998	-0.000402
20	4960.019996	-0.000806	4969.979997	-0.000604
30	4960.019995	-0.001008	4969.980001	0.000201
40	4960.019995	-0.001008	4969.980002	0.000402
50	4960.019995	-0.001008	4969.980001	0.000201
60	4960.020001	0.000202	4969.979995	-0.001006

Chain 2

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 730668 (4960.02 MHz)		CH 731332 (4969.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
57	4960.019996	-0.000806	4969.980003	0.000604
48	4960.020001	0.000202	4969.980002	0.000402
40	4960.020005	0.001008	4969.979998	-0.000402

Note: The applicant defined the normal working voltage is from 40 to 57 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730668 (4960.02 MHz)		CH 731332 (4969.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4960.019997	-0.000605	4969.980005	0.001005
-30	4960.020003	0.000605	4969.980002	0.000402
-20	4960.019995	-0.001008	4969.980002	0.000402
-10	4960.019999	-0.000202	4969.979997	-0.000604
0	4960.020005	0.001008	4969.980005	0.001006
10	4960.020001	0.000202	4969.980001	0.000201
20	4960.020003	0.000605	4969.980004	0.000805
30	4960.020001	0.000202	4969.979997	-0.000604
40	4960.020005	0.001008	4969.979999	-0.000201
50	4960.019995	-0.001008	4969.979999	-0.000201
60	4960.020002	0.000403	4969.979997	-0.000604

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 730668 (4960.02 MHz)		CH 731332 (4969.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
240	4960.019997	-0.000605	4969.980004	0.000805
230	4960.020004	0.000806	4969.980003	0.000604
100	4960.019998	-0.000403	4969.979996	-0.000805

Note: The applicant defined the normal working voltage is from 100 to 240 Vac.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730668 (4960.02 MHz)		CH 731332 (4969.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4960.019996	-0.000807	4969.980004	0.000804
-30	4960.020001	0.000202	4969.979995	-0.001006
-20	4960.020004	0.000806	4969.979999	-0.000201
-10	4960.019997	-0.000605	4969.979995	-0.001006
0	4960.020001	0.000202	4969.980002	0.000402
10	4960.020005	0.001008	4969.979997	-0.000604
20	4960.019997	-0.000605	4969.980003	0.000604
30	4960.020004	0.000806	4969.979999	-0.000201
40	4960.020001	0.000202	4969.979995	-0.001006
50	4960.020001	0.000202	4969.979997	-0.000604
60	4960.020002	0.000403	4969.979998	-0.000402

Chain 3

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 730668 (4960.02 MHz)		CH 731332 (4969.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
57	4960.020001	0.000202	4969.980001	0.000201
48	4960.020005	0.001008	4969.980001	0.000201
40	4960.019996	-0.000806	4969.980003	0.000604

Note: The applicant defined the normal working voltage is from 40 to 57 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730668 (4960.02 MHz)		CH 731332 (4969.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4960.019997	-0.000605	4969.980005	0.001005
-30	4960.019995	-0.001008	4969.980003	0.000604
-20	4960.019997	-0.000605	4969.979995	-0.001006
-10	4960.020001	0.000202	4969.980005	0.001006
0	4960.020003	0.000605	4969.980001	0.000201
10	4960.019995	-0.001008	4969.979995	-0.001006
20	4960.020002	0.000403	4969.980002	0.000402
30	4960.019996	-0.000806	4969.980003	0.000604
40	4960.020003	0.000605	4969.979999	-0.000201
50	4960.019998	-0.000403	4969.979998	-0.000402
60	4960.020003	0.000605	4969.980001	0.000201

Frequency Stability Versus Voltage				
Voltage (Vac)	CH 730668 (4960.02 MHz)		CH 731332 (4969.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
240	4960.019998	-0.000403	4969.979999	-0.000201
230	4960.019995	-0.001008	4969.980004	0.000805
100	4960.020001	0.000202	4969.979998	-0.000402

Note: The applicant defined the normal working voltage is from 100 to 240 Vac.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 730668 (4960.02 MHz)		CH 731332 (4969.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	4960.020004	0.000807	4969.980004	0.000804
-30	4960.019999	-0.000202	4969.980004	0.000805
-20	4960.019996	-0.000806	4969.980001	0.000201
-10	4960.020005	0.001008	4969.980004	0.000805
0	4960.020005	0.001008	4969.979999	-0.000201
10	4960.019997	-0.000605	4969.979998	-0.000402
20	4960.020001	0.000202	4969.979999	-0.000201
30	4960.019998	-0.000403	4969.979995	-0.001006
40	4960.019997	-0.000605	4969.979997	-0.000604
50	4960.019997	-0.000605	4969.979996	-0.000805
60	4960.019996	-0.000806	4969.979996	-0.000805

1CC, Channel Bandwidth: 50 MHz

Chain 0

Frequency Stability Versus Voltage		
Voltage (Vdc)	CH 731000 (4965.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
57	4964.999995	-0.001007
48	4964.999997	-0.000604
40	4965.000001	0.000201

Note: The applicant defined the normal working voltage is from 40 to 57 Vdc.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 731000 (4965.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-40	4969.980005	0.001007
-30	4964.999996	-0.000806
-20	4964.999996	-0.000806
-10	4964.999998	-0.000403
0	4965.000005	0.001007
10	4964.999996	-0.000806
20	4964.999998	-0.000403
30	4964.999996	-0.000806
40	4964.999996	-0.000806
50	4964.999998	-0.000403
60	4969.979996	-0.000806

Frequency Stability Versus Voltage		
Voltage (Vac)	CH 731000 (4965.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
240	4964.999996	-0.000806
230	4964.999998	-0.000403
100	4965.000001	0.000201

Note: The applicant defined the normal working voltage is from 100 to 240 Vac.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 731000 (4965.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-40	4969.980001	0.000201
-30	4964.999996	-0.000806
-20	4964.999997	-0.000604
-10	4964.999998	-0.000403
0	4965.000005	0.001007
10	4964.999996	-0.000806
20	4965.000001	0.000201
30	4965.000002	0.000403
40	4964.999999	-0.000201
50	4965.000002	0.000403
60	4969.980003	0.000604

Chain 1

Frequency Stability Versus Voltage		
Voltage (Vdc)	CH 731000 (4965.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
57	4965.000001	0.000201
48	4965.000001	0.000201
40	4965.000004	0.000806

Note: The applicant defined the normal working voltage is from 40 to 57 Vdc.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 731000 (4965.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-40	4969.980005	0.001007
-30	4965.000005	0.001007
-20	4964.999999	-0.000201
-10	4964.999996	-0.000806
0	4964.999995	-0.001007
10	4965.000002	0.000403
20	4964.999998	-0.000403
30	4964.999996	-0.000806
40	4965.000005	0.001007
50	4965.000005	0.001007
60	4969.980002	0.000403

Frequency Stability Versus Voltage		
Voltage (Vac)	CH 731000 (4965.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
240	4965.000001	0.000201
230	4964.999995	-0.001007
100	4965.000003	0.000604

Note: The applicant defined the normal working voltage is from 100 to 240 Vac.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 731000 (4965.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-40	4969.980004	0.000806
-30	4965.000001	0.000201
-20	4964.999995	-0.001007
-10	4965.000001	0.000201
0	4964.999995	-0.001007
10	4964.999996	-0.000806
20	4964.999998	-0.000403
30	4964.999996	-0.000806
40	4964.999999	-0.000201
50	4965.000003	0.000604
60	4969.980002	0.000403

Chain 2

Frequency Stability Versus Voltage		
Voltage (Vdc)	CH 731000 (4965.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
57	4964.999998	-0.000403
48	4964.999999	-0.000201
40	4965.000001	0.000201

Note: The applicant defined the normal working voltage is from 40 to 57 Vdc.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 731000 (4965.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-40	4969.980005	0.001007
-30	4965.000003	0.000604
-20	4965.000002	0.000403
-10	4965.000003	0.000604
0	4965.000005	0.001007
10	4965.000003	0.000604
20	4965.000005	0.001007
30	4964.999997	-0.000604
40	4965.000005	0.001007
50	4965.000005	0.001007
60	4969.980001	0.000201

Frequency Stability Versus Voltage		
Voltage (Vac)	CH 731000 (4965.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
240	4964.999996	-0.000806
230	4965.000003	0.000604
100	4965.000002	0.000403

Note: The applicant defined the normal working voltage is from 100 to 240 Vac.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 731000 (4965.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-40	4969.979997	-0.000604
-30	4965.000001	0.000201
-20	4965.000002	0.000403
-10	4964.999996	-0.000806
0	4964.999996	-0.000806
10	4965.000002	0.000403
20	4965.000002	0.000403
30	4964.999997	-0.000604
40	4965.000001	0.000201
50	4965.000004	0.000806
60	4969.979998	-0.000403

Chain 3

Frequency Stability Versus Voltage		
Voltage (Vdc)	CH 731000 (4965.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
57	4965.000004	0.000806
48	4965.000003	0.000604
40	4965.000002	0.000403

Note: The applicant defined the normal working voltage is from 40 to 57 Vdc.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 731000 (4965.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-40	4969.980005	0.001007
-30	4964.999997	-0.000604
-20	4965.000002	0.000403
-10	4964.999995	-0.001007
0	4965.000001	0.000201
10	4964.999998	-0.000403
20	4964.999999	-0.000201
30	4964.999999	-0.000201
40	4964.999996	-0.000806
50	4964.999998	-0.000403
60	4969.980002	0.000403

Frequency Stability Versus Voltage		
Voltage (Vac)	CH 731000 (4965.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
240	4964.999999	-0.000201
230	4965.000004	0.000806
100	4965.000004	0.000806

Note: The applicant defined the normal working voltage is from 100 to 240 Vac.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 731000 (4965.00 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-40	4969.979997	-0.000604
-30	4965.000005	0.001007
-20	4965.000001	0.000201
-10	4964.999999	-0.000201
0	4965.000004	0.000806
10	4964.999995	-0.001007
20	4964.999996	-0.000806
30	4964.999997	-0.000604
40	4965.000005	0.001007
50	4964.999998	-0.000403
60	4969.980001	0.000201

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.

--- END ---