

RF Mode	NR n41 Channel Bandwidth: 100MHz	Channel	CH 509202 : 2546.01 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	21 °C, 69 % RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5092.02	-46.69	-25.00	-21.69	1.02 H	47	46.01	-92.70
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5092.02	-45.83	-25.00	-20.83	2.54 V	138	46.87	-92.70

Remarks:

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

RF Mode	NR n41 Channel Bandwidth: 100MHz	Channel	CH 518598 : 2592.99 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	21 °C, 69 % RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5185.98	-46.40	-25.00	-21.40	1.01 H	48	46.03	-92.43
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5185.98	-45.48	-25.00	-20.48	2.53 V	138	46.95	-92.43

Remarks:

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

RF Mode	NR n41 Channel Bandwidth: 100MHz	Channel	CH 528000 : 2640 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	21 °C, 69 % RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5280.00	-46.89	-25.00	-21.89	1.08 H	50	45.76	-92.65
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5280.00	-45.66	-25.00	-20.66	2.55 V	142	46.99	-92.65

Remarks:

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

7.8 Frequency Stability

Environmental Conditions:	25°C, 60% RH	Tested By:	Noah Chang
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7.8.1 NR n7 SCS 15 kHz

NR n7 SCS 15 kHz, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 500500 (2502.5 MHz)		CH 513500 (2567.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.27	2502.500004	0.0016	2567.500005	0.0019
3.85	2502.499998	-0.0008	2567.500001	0.0004
4.43	2502.500002	0.0008	2567.500001	0.0004

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 500500 (2502.5 MHz)		CH 513500 (2567.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2502.500004	0.0016	2567.500008	0.0031
-20	2502.500001	0.0004	2567.500002	0.0008
-10	2502.499996	-0.0016	2567.499991	-0.0035
0	2502.500001	0.0004	2567.500006	0.0023
10	2502.499995	-0.002	2567.499995	-0.0019
20	2502.499993	-0.0028	2567.499993	-0.0027
30	2502.499994	-0.0024	2567.499992	-0.0031
40	2502.500006	0.0024	2567.500007	0.0027
50	2502.5	0	2567.499999	-0.0004

NR n7 SCS 15 kHz, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 501000 (2505 MHz)		CH 513000 (2565 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.27	2505.000005	0.002	2565.000007	0.0027
3.85	2504.999993	-0.0028	2564.999994	-0.0023
4.43	2504.999991	-0.0036	2564.999992	-0.0031

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 501000 (2505 MHz)		CH 513000 (2565 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2504.999997	-0.0012	2564.999998	-0.0008
-20	2504.999991	-0.0036	2564.999994	-0.0023
-10	2504.999999	-0.0004	2564.999998	-0.0008
0	2504.999994	-0.0024	2564.999994	-0.0023
10	2505.000007	0.0028	2565.000004	0.0016
20	2505.000002	0.0008	2565.000002	0.0008
30	2504.999996	-0.0016	2565	0
40	2504.999991	-0.0036	2564.999991	-0.0035
50	2504.999993	-0.0028	2564.999997	-0.0012

NR n7 SCS 15 kHz, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 501500 (2507.5 MHz)		CH 512500 (2562.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.27	2507.500004	0.0016	2562.500008	0.0031
3.85	2507.499999	-0.0004	2562.500001	0.0004
4.43	2507.500004	0.0016	2562.500009	0.0035

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 501500 (2507.5 MHz)		CH 512500 (2562.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2507.499991	-0.0036	2562.499996	-0.0016
-20	2507.500005	0.002	2562.500006	0.0023
-10	2507.499996	-0.0016	2562.5	0
0	2507.500001	0.004	2562.500009	0.0035
10	2507.500008	0.0032	2562.500003	0.0012
20	2507.499996	-0.0016	2562.499996	-0.0016
30	2507.500008	0.0032	2562.500004	0.0016
40	2507.500008	0.0032	2562.500009	0.0035
50	2507.499993	-0.0028	2562.499994	-0.0023

NR n7 SCS 15 kHz, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 502000 (2510 MHz)		CH 512000 (2560 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.27	2510.000001	0.0004	2559.999997	-0.0012
3.85	2510.000005	0.002	2560.000001	0.0004
4.43	2510.000006	0.0024	2560.00001	0.0039

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 502000 (2510 MHz)		CH 512000 (2560 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2509.999998	-0.0008	2560.000002	0.0008
-20	2509.999992	-0.0032	2559.999997	-0.0012
-10	2509.999997	-0.0012	2559.999995	-0.002
0	2510.000004	0.0016	2560	0
10	2510.000002	0.0008	2560.000002	0.0008
20	2509.999998	-0.0008	2559.999999	-0.0004
30	2510.000009	0.0036	2560.000006	0.0023
40	2510.000008	0.0032	2560.00001	0.0039
50	2510.000007	0.0028	2560.000005	0.002

NR n7 SCS 15 kHz, Channel Bandwidth: 25 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 502500 (2512.5 MHz)		CH 511500 (2557.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.27	2512.499994	-0.0024	2557.499997	-0.0012
3.85	2512.500006	0.0024	2557.500005	0.002
4.43	2512.500006	0.0024	2557.500001	0.0039

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 502500 (2512.5 MHz)		CH 511500 (2557.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2512.499992	-0.0032	2557.499996	-0.0016
-20	2512.5	0	2557.500002	0.0008
-10	2512.500003	0.0012	2557.500004	0.0016
0	2512.500005	0.002	2557.500002	0.0008
10	2512.499996	-0.0016	2557.499995	-0.002
20	2512.499991	-0.0036	2557.499995	-0.002
30	2512.500001	0.0004	2557.500002	0.0008
40	2512.500004	0.0016	2557.500004	0.0016
50	2512.49999	-0.004	2557.49999	-0.0039

NR n7 SCS 15 kHz, Channel Bandwidth: 30 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 503000 (2515 MHz)		CH 511000 (2555 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.27	2515.000007	0.0028	2555.000007	0.0027
3.85	2515.000001	0.0004	2555.000006	0.0023
4.43	2515	0	2555.000001	0.0004

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 503000 (2515 MHz)		CH 511000 (2555 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2515.000007	0.0028	2555.000001	0.0039
-20	2514.999999	-0.0004	2555.000001	0.0004
-10	2514.999994	-0.0024	2554.999991	-0.0035
0	2515.000005	0.002	2555.000009	0.0035
10	2514.999993	-0.0028	2554.999995	-0.002
20	2514.999991	-0.0036	2554.999993	-0.0027
30	2514.999992	-0.0032	2554.999992	-0.0031
40	2515.000009	0.0036	2555.000009	0.0035
50	2515.000004	0.0016	2555.000005	0.002

NR n7 SCS 15 kHz, Channel Bandwidth: 40 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 504000 (2520 MHz)		CH 510000 (2550 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.27	2519.999994	-0.0024	2549.999998	-0.0008
3.85	2519.999996	-0.0016	2550.000001	0.0004
4.43	2519.999994	-0.0024	2549.999992	-0.0031

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 504000 (2520 MHz)		CH 510000 (2550 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2519.999995	-0.002	2549.999995	-0.002
-20	2520.000006	0.0024	2550.000002	0.0008
-10	2519.999994	-0.0024	2549.999991	-0.0035
0	2519.999999	-0.0004	2550.000003	0.0012
10	2520.000006	0.0024	2550.000004	0.0016
20	2519.999998	-0.0008	2549.999993	-0.0027
30	2519.999993	-0.0028	2549.999993	-0.0027
40	2520.000003	0.0012	2550.000003	0.0012
50	2519.999991	-0.0036	2549.999996	-0.0016

7.8.2 NR n40 SCS 30 kHz (2.305 GHz ~ 2.315 GHz)

NR n40 SCS 30 kHz (2.305 GHz ~ 2.315 GHz), Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage		
Voltage (Vdc)	CH 462000 (2310 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
3.27	2310.00001	0.0043
3.85	2310.000009	0.0039
4.43	2309.999991	-0.0039

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 462000 (2310 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-30	2310.000005	0.0022
-20	2310.000008	0.0035
-10	2309.999991	-0.0039
0	2309.999997	-0.0013
10	2310.000007	0.003
20	2310.000007	0.003
30	2309.999993	-0.003
40	2310.000009	0.0039
50	2309.99999	-0.0043

7.8.3 NR n40 SCS 30 kHz (2.35 GHz ~ 2.36 GHz)

NR n40 SCS 30 kHz (2.35 GHz ~ 2.36 GHz), Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage		
Voltage (Vdc)	CH 471000 (2355 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
3.27	2355.000007	0.003
3.85	2355.000002	0.0008
4.43	2354.999993	-0.003

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 471000 (2355 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-30	2355.000005	0.0021
-20	2355.000004	0.0017
-10	2354.999997	-0.0013
0	2354.999993	-0.003
10	2355.000001	0.0004
20	2354.999997	-0.0013
30	2354.999993	-0.003
40	2354.999999	-0.0004
50	2355.000003	0.0013

7.8.4 NR n41 SCS 30 kHz

NR n41 SCS 30 kHz, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 500202 (2501.01 MHz)		CH 537000 (2685 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.27	2501.009996	-0.0016	2684.999994	-0.0022
3.85	2501.009991	-0.0036	2684.999991	-0.0034
4.43	2501.010005	0.002	2685.000001	0.0037

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 500202 (2501.01 MHz)		CH 537000 (2685 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2501.010001	0.0004	2685.000005	0.0019
-20	2501.01	0	2685.000005	0.0019
-10	2501.009996	-0.0016	2684.999996	-0.0015
0	2501.009996	-0.0016	2684.999994	-0.0022
10	2501.009993	-0.0028	2684.999993	-0.0026
20	2501.009999	-0.0004	2685.000003	0.0011
30	2501.010001	0.0004	2685.000004	0.0015
40	2501.010008	0.0032	2685.000008	0.003
50	2501.009997	-0.0012	2684.999996	-0.0015

NR n41 SCS 30 kHz, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 500700 (2503.5 MHz)		CH 536496 (2682.48 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.27	2503.500006	0.0024	2682.480009	0.0034
3.85	2503.49999	-0.004	2682.47999	-0.0037
4.43	2503.499992	-0.0032	2682.479994	-0.0022

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 500700 (2503.5 MHz)		CH 536496 (2682.48 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2503.500009	0.0036	2682.48001	0.0037
-20	2503.500004	0.0016	2682.48	0
-10	2503.499995	-0.002	2682.47999	-0.0037
0	2503.500003	0.0012	2682.480004	0.0015
10	2503.500001	0.0004	2682.480001	0.0004
20	2503.500003	0.0012	2682.480001	0.0004
30	2503.499994	-0.0024	2682.479992	-0.003
40	2503.500009	0.0036	2682.480007	0.0026
50	2503.500005	0.002	2682.480008	0.003

NR n41 SCS 30 kHz, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 501204 (2506.02 MHz)		CH 535998 (2679.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.27	2506.020007	0.0028	2679.990009	0.0034
3.85	2506.019994	-0.0024	2679.989996	-0.0015
4.43	2506.019997	-0.0012	2679.989992	-0.003

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 501204 (2506.02 MHz)		CH 535998 (2679.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2506.020009	0.0036	2679.990007	0.0026
-20	2506.020009	0.0036	2679.99001	0.0037
-10	2506.020008	0.0032	2679.990007	0.0026
0	2506.019997	-0.0012	2679.990001	0.0004
10	2506.019997	-0.0012	2679.989998	-0.0007
20	2506.020007	0.0028	2679.990007	0.0026
30	2506.020006	0.0024	2679.990007	0.0026
40	2506.020003	0.0012	2679.989999	-0.0004
50	2506.020008	0.0032	2679.990006	0.0022

NR n41 SCS 30 kHz, Channel Bandwidth: 25 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 501702 (2508.51 MHz)		CH 535500 (2677.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.27	2508.509991	-0.0036	2677.499991	-0.0034
3.85	2508.510008	0.0032	2677.500007	0.0026
4.43	2508.509999	-0.0004	2677.499998	-0.0007

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 501702 (2508.51 MHz)		CH 535500 (2677.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2508.510002	0.0008	2677.500004	0.0015
-20	2508.510009	0.0036	2677.500008	0.003
-10	2508.509998	-0.0008	2677.499999	-0.0004
0	2508.510006	0.0024	2677.500008	0.003
10	2508.509995	-0.002	2677.499995	-0.0019
20	2508.510008	0.0032	2677.500006	0.0022
30	2508.510003	0.0012	2677.500004	0.0015
40	2508.509997	-0.0012	2677.500002	0.0007
50	2508.509993	-0.0028	2677.499996	-0.0015

NR n41 SCS 30 kHz, Channel Bandwidth: 30 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 502200 (2511 MHz)		CH 534996 (2674.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.27	2511.000006	0.0024	2674.98001	0.0037
3.85	2511.000005	0.002	2674.98	0
4.43	2510.99999	-0.004	2674.979993	-0.0026

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 502200 (2511 MHz)		CH 534996 (2674.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2510.999999	-0.0004	2674.979997	-0.0011
-20	2511.000005	0.002	2674.980001	0.0004
-10	2511.000008	0.0032	2674.980009	0.0034
0	2510.999995	-0.002	2674.979993	-0.0026
10	2511.000004	0.0016	2674.980001	0.0004
20	2510.999997	-0.0012	2674.979998	-0.0007
30	2511.000006	0.0024	2674.980003	0.0011
40	2510.999999	-0.0004	2674.979996	-0.0015
50	2511.000009	0.0036	2674.980009	0.0034

NR n41 SCS 30 kHz, Channel Bandwidth: 40 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 503202 (2516.01 MHz)		CH 534000 (2670 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.27	2516.010008	0.0032	2670.000004	0.0015
3.85	2516.009991	-0.0036	2669.99999	-0.0037
4.43	2516.009993	-0.0028	2669.99999	-0.0037

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 503202 (2516.01 MHz)		CH 534000 (2670 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2516.010004	0.0016	2670.000001	0.0004
-20	2516.009999	-0.0004	2669.999997	-0.0011
-10	2516.010003	0.0012	2670.000004	0.0015
0	2516.009991	-0.0036	2669.999991	-0.0034
10	2516.010009	0.0036	2670.000006	0.0022
20	2516.010009	0.0036	2670.000007	0.0026
30	2516.010001	0.0004	2670.000006	0.0022
40	2516.010005	0.002	2670.000009	0.0034
50	2516.009997	-0.0012	2669.999995	-0.0019

NR n41 SCS 30 kHz, Channel Bandwidth: 50 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 504204 (2521.02 MHz)		CH 532998 (2664.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.27	2521.020007	0.0028	2664.990005	0.0019
3.85	2521.020008	0.0032	2664.990007	0.0026
4.43	2521.020001	0.0004	2664.990003	0.0011

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 504204 (2521.02 MHz)		CH 532998 (2664.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2521.020005	0.002	2664.990007	0.0026
-20	2521.020006	0.0024	2664.990003	0.0011
-10	2521.019997	-0.0012	2664.989997	-0.0011
0	2521.019992	-0.0032	2664.98999	-0.0038
10	2521.019997	-0.0012	2664.989998	-0.0008
20	2521.020004	0.0016	2664.989999	-0.0004
30	2521.020007	0.0028	2664.990005	0.0019
40	2521.020003	0.0012	2664.990003	0.0011
50	2521.019994	-0.0024	2664.989997	-0.0011

NR n41 SCS 30 kHz, Channel Bandwidth: 60 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 505200 (2526 MHz)		CH 531996 (2659.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.27	2526.000008	0.0032	2659.980006	0.0023
3.85	2526.000007	0.0028	2659.980002	0.0008
4.43	2526.000006	0.0024	2659.980001	0.0004

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 505200 (2526 MHz)		CH 531996 (2659.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2526.000001	0.0004	2659.980001	0.0004
-20	2525.999991	-0.0036	2659.979992	-0.003
-10	2525.99999	-0.004	2659.979992	-0.003
0	2525.999999	-0.0004	2659.980002	0.0008
10	2525.999996	-0.0016	2659.979999	-0.0004
20	2525.99999	-0.004	2659.979994	-0.0023
30	2525.999995	-0.002	2659.979999	-0.0004
40	2525.999997	-0.0012	2659.979993	-0.0026
50	2525.999995	-0.002	2659.979994	-0.0023

NR n41 SCS 30 kHz, Channel Bandwidth: 70 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 506202 (2531.01 MHz)		CH 531000 (2655 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.27	2531.009996	-0.0016	2654.999996	-0.0015
3.85	2531.010007	0.0028	2655.000003	0.0011
4.43	2531.009996	-0.0016	2654.999994	-0.0023

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 506202 (2531.01 MHz)		CH 531000 (2655 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2531.01	0	2655.000004	0.0015
-20	2531.010007	0.0028	2655.000006	0.0023
-10	2531.009999	-0.0004	2654.999995	-0.0019
0	2531.009994	-0.0024	2654.999995	-0.0019
10	2531.010004	0.0016	2655.000004	0.0015
20	2531.009993	-0.0028	2654.999997	-0.0011
30	2531.00999	-0.004	2654.999995	-0.0019
40	2531.010009	0.0036	2655.000005	0.0019
50	2531.009998	-0.0008	2655.000002	0.0008

NR n41 SCS 30 kHz, Channel Bandwidth: 80 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 507204 (2536.02 MHz)		CH 529998 (2649.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.27	2536.020008	0.0032	2649.990005	0.0019
3.85	2536.01999	-0.0039	2649.989994	-0.0023
4.43	2536.020009	0.0035	2649.99001	0.0038

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 507204 (2536.02 MHz)		CH 529998 (2649.99 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2536.02	0	2649.989997	-0.0011
-20	2536.020009	0.0035	2649.990007	0.0026
-10	2536.019993	-0.0028	2649.989998	-0.0008
0	2536.019995	-0.002	2649.989995	-0.0019
10	2536.019992	-0.0032	2649.989997	-0.0011
20	2536.020007	0.0028	2649.990006	0.0023
30	2536.020001	0.0004	2649.990004	0.0015
40	2536.019997	-0.0012	2649.989999	-0.0004
50	2536.019996	-0.0016	2649.989999	-0.0004

NR n41 SCS 30 kHz, Channel Bandwidth: 90 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 508200 (2541 MHz)		CH 528996 (2644.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.27	2540.999993	-0.0028	2644.979992	-0.003
3.85	2540.999993	-0.0028	2644.979992	-0.003
4.43	2540.999996	-0.0016	2644.979994	-0.0023

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 508200 (2541 MHz)		CH 528996 (2644.98 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2541.000004	0.0016	2644.980003	0.0011
-20	2541.000002	0.0008	2644.980004	0.0015
-10	2541.000003	0.0012	2644.980007	0.0026
0	2540.999994	-0.0024	2644.979991	-0.0034
10	2541.000002	0.0008	2644.980003	0.0011
20	2541.000006	0.0024	2644.980004	0.0015
30	2541.000008	0.0031	2644.980008	0.003
40	2541.000006	0.0024	2644.980005	0.0019
50	2541.000001	0.0004	2644.980005	0.0019

NR n41 SCS 30 kHz, Channel Bandwidth: 100 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 509202 (2546.01 MHz)		CH 528000 (2640 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.27	2546.009991	-0.0035	2639.999994	-0.0023
3.85	2546.009999	-0.0004	2639.999998	-0.0008
4.43	2546.009998	-0.0008	2639.999996	-0.0015

Note: The applicant defined the normal working voltage is from 3.27 to 4.43 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 509202 (2546.01 MHz)		CH 528000 (2640 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2546.009999	-0.0004	2639.999996	-0.0015
-20	2546.009999	-0.0039	2639.999999	-0.0038
-10	2546.009995	-0.002	2640	0
0	2546.009996	-0.0016	2639.999995	-0.0019
10	2546.009998	-0.0008	2639.999995	-0.0019
20	2546.010005	0.002	2640.000003	0.0011
30	2546.010008	0.0031	2640.000009	0.0034
40	2546.01	0	2639.999998	-0.0008
50	2546.010003	0.0012	2640.000003	0.0011

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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