TEST REPORT

CERTIFICATE OF CONFORMITY

Standard:	**47 CFR FCC Part 22** **47 CFR FCC Part 24** **47 CFR FCC Part 27** **47 CFR FCC Part 2**
Report No.:	RFCDVB-WTW-P24010025-3
FCC ID:	QYLFN990S5
Product:	5G NR Module
Brand:	Getac
Model No.:	FN990A28
Received Date:	2024/1/20
Test Date:	2024/3/8 ~ 2024/5/16
Issued Date:	2024/5/31
Applicant:	Getac Technology Corporation.
Address:	5F., Building A, No. 209, Sec.1, Nangang Rd., Nangang Dist., Taipei City 11568, Taiwan, R.O.C.
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location:	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kewi Shan Dist., Taoyuan City 33383, Taiwan
FCC Registration / Designation Number:	788550 / TW0003

Approved by: Jeremy Lin , **Date:** 2024/5/31

Jeremy Lin / Project Engineer

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Prepared by : Vera Huang / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFCDVB-WTW-P24010025-3	Original Release	2024/5/31

1 Certificate

Product:	5G NR Module
Brand:	Getac
Test Model:	FN990A28
Sample Status:	Engineering sample
Applicant:	Getac Technology Corporation.
Test Date:	2024/3/8 ~ 2024/5/16
Standard:	47 CFR FCC Part 22 47 CFR FCC Part 24 47 CFR FCC Part 27 47 CFR FCC Part 2
Measurement procedure:	ANSI/TIA/EIA-603-E 2016 ANSI C63.26-2015 KDB 971168 D01 Power Meas License Digital Systems v03r01 KDB 971168 D02 Misc Rev Approv License Devices v02r02

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

2 Summary of Test Results

Standard / Clause	Test Item	Result	Remark
Part 2.1046 Part 22.913 (a) Part 24.232 (c) Part 27.50(d) Part 27.50(h) Part 27.50(c) Part 27.50(j) Part 27.50(k)	Effective Radiated Power and Equivalent Isotropically Radiated Power	Pass	Meet the requirement of limit.
Part 2.1047	Modulation Characteristics	N/A	Refer to Note
Part 22.913 (d) Part 24.232 (d) Part 27.50(d) Part 27.50(k)(4) Part 27.50(j)(4)	Peak to Average Ratio	N/A	Refer to Note
Part 2.1049	Bandwidth	N/A	Refer to Note
Part 2.1051 Part 22.917 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g) Part 27.53(l) Part 27.53(n)	Conducted Spurious Emissions	N/A	Refer to Note
Part 2.1053 Part 22.917 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g) Part 27.53(l) Part 27.53(n)	Radiated Spurious Emissions below 1GHz	Pass	Minimum passing margin is -11.11 dB at 425.03 MHz
Part 2.1053 Part 22.917 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g) Part 27.53(l) Part 27.53(n)	Radiated Spurious Emissions above 1GHz	Pass	Minimum passing margin is -5.59 dB at 4620.00 MHz
Part 2.1055 Part 22.355 Part 24.235 Part 27.54	Frequency Stability	N/A	Refer to Note

Note:

1. Only test item of Effective Radiated Power and Equivalent Isotropically Radiated Power and Radiated Spurious Emissions were performed for this report. Other testing data please refer to SPORTON lab report no.: 270608-01 and ELEMENT lab report no.: 1M2306220084-01.R17 and 1M2306220084-03.R17 for module (Brand: Telit, Model: FN990A28).
2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Parameter	Specification	Uncertainty (±)
Radiated Spurious Emissions below 1GHz	9 kHz ~ 30 MHz	3.59 dB
	30 MHz ~ 1 GHz	3.64 dB
Radiated Spurious Emissions above 1GHz	1 GHz ~ 18 GHz	2.29 dB
	18 GHz ~ 40 GHz	2.29 dB

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	5G NR Module
Brand	Getac
Test Model	FN990A28
Status of EUT	Engineering sample
Power Supply Rating	Refer to note

Note:

1. This report is prepared for FCC class II permissive change application. The EUT is authorized for use in specific End-product. Please refer to below for more details.

Product	Brand	Model	Difference
Notebook	Getac	S510	marketing purpose
		S510Y (Y= 10 characters, Y can be 0 to 9, A to Z, a to z, “/”, “\”, “-”, “_” or blank for marketing purpose)	

2. The End-product uses following accessories.

Battery		
Brand	Model	Specification
Getac	BP3S2P3450P-04	Power Rating : Rating: 10.8Vdc , 6600mAh, 72Wh Typical Capacity: 6900mAh, 75Wh
AC Adapter 1		
Brand	Model	Specification
FSP	FSP065-RBBN3	AC Input : 100-240 Vac； 50-60 Hz； 1.5 A DC Output : 19.0Vdc； 3.42A, 65.0W DC Output Cable : 1.45M / 1core AC Power Cord : 1.75M
AC Adapter 2		
Brand	Model	Specification
FSP	FSP090-ABBN3	AC Input : 100-240 Vac； 50-60 Hz； 1.2 A DC Output : 19.0Vdc； 4.74A, 90.0W DC Output Cable : 1.2M / 1 core AC Power Cord : 1.75M
Touch Pen		
Brand	Model	
Getac	340GA8900001	

* After pretesting, Adapter 2 was the worst case and chosen for final test.

3. The EUT supports the following configuration.

	FCC 5G FR1			ENDC
	Band	SCS	Bandwidth (MHz)	LTE Band
5GNR	n2	15kHz	5/10/15/20	B5, B12, B13, B14, B71
	n5	15kHz	5/10/15/20	B5, B7, B30, B48, B66
	n7	15kHz	5/10/15/20	B5, B12, B13, B71
	n25	15kHz	5/10/15/20	B5, B12, B13, B26, B48, B71
	n30	15kHz	5/10	B5, B12, B14
	n38	30kHz	20/30/40	B2, B4, B5, B12, B66, B71
	n41	30kHz	20/30/40/50/60/80/90/100	B2, B4, B5, B12, B25, B26, B41, B66, B71
	n66	15kHz	5/10/15/20/30	B5, B12, B13, B14, B48, B71
	n71	15kHz	5/10/15/20	B2, B7, B48, B66
	n77 (For Part 27Q)	30kHz	20/30/40/60/80/90/100	B2, B5, B7, B12, B13, B14, B25, B30, B41, B66, B71
	n77 (For Part 27O)	30kHz	20/30/40/60/80/100	B2, B5, B7, B12, B13, B14, B25, B30, B41, B66, B71
	n78 (For Part 27Q)	30kHz	10/20/30/40/50/60/70/80/90/100	B2, B5, B7, B12, B13, B25, B41, B66, B71
	n78 (For Part 27O)	30kHz	20/30/40/50/60/70/80/90/100	B2, B5, B7, B12, B13, B25, B41, B66, B71

* The EUT support SA mode and NSA mode, after verification, SA mode was the worst case and chosen for final test.

4. EUT Overview

SA Mode (SISO)

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power				
		BPSK	QPSK	16QAM	64QAM	256QAM
n2 (Channel Bandwidth 5MHz)	1852.50-1907.50	273.527mW (24.37dBm)	277.332mW (24.43dBm)	217.270mW (23.37dBm)	156.315mW (21.94dBm)	98.401mW (19.93dBm)
n2 (Channel Bandwidth 10MHz)	1855.00-1905.00	269.153mW (24.30dBm)	276.058mW (24.41dBm)	216.272mW (23.35dBm)	154.525mW (21.89dBm)	99.770mW (19.99dBm)
n2 (Channel Bandwidth 15MHz)	1857.50-1902.50	273.527mW (24.37dBm)	278.612mW (24.45dBm)	219.786mW (23.42dBm)	157.398mW (21.97dBm)	101.859mW (20.08dBm)
n2 (Channel Bandwidth 20MHz)	1860.00-1900.00	277.332mW (24.43dBm)	280.543mW (24.48dBm)	221.820mW (23.46dBm)	159.221mW (22.02dBm)	102.094mW (20.09dBm)
n7 (Channel Bandwidth 5 MHz)	2502.5-2567.5	278.612mW (24.45dBm)	281.838mW (24.50dBm)	224.388mW (23.51dBm)	167.880mW (22.25dBm)	93.111mW (19.69dBm)
n7 (Channel Bandwidth 10 MHz)	2505.0-2565.0	279.254mW (24.46dBm)	279.254mW (24.46dBm)	219.786mW (23.42dBm)	166.341mW (22.21dBm)	90.991mW (19.59dBm)
n7 (Channel Bandwidth 15 MHz)	2507.5-2562.5	283.139mW (24.52dBm)	281.838mW (24.50dBm)	223.357mW (23.49dBm)	167.880mW (22.25dBm)	93.972mW (19.73dBm)
n7 (Channel Bandwidth 20 MHz)	2510.0-2560.0	284.446mW (24.54dBm)	285.102mW (24.55dBm)	228.034mW (23.58dBm)	169.434mW (22.29dBm)	95.499mW (19.80dBm)
n25 (Channel Bandwidth 5MHz)	1852.50-1912.50	263.633mW (24.21dBm)	264.241mW (24.22dBm)	210.378mW (23.23dBm)	158.489mW (22.00dBm)	91.833mW (19.63dBm)
n25 (Channel Bandwidth 10MHz)	1855.00-1910.00	258.821mW (24.13dBm)	270.396mW (24.32dBm)	209.894mW (23.22dBm)	157.761mW (21.98dBm)	91.201mW (19.60dBm)
n25 (Channel Bandwidth 15MHz)	1857.50-1907.50	263.027mW (24.20dBm)	267.917mW (24.28dBm)	216.770mW (23.36dBm)	158.125mW (21.99dBm)	92.897mW (19.68dBm)
n25 (Channel Bandwidth 20MHz)	1860.00-1905.00	268.534mW (24.29dBm)	272.270mW (24.35dBm)	217.270mW (23.37dBm)	160.325mW (22.05dBm)	94.624mW (19.76dBm)
n30 (Channel Bandwidth 5MHz)	2307.50-2312.50	239.332mW (23.79dBm)	242.103mW (23.84dBm)	190.108mW (22.79dBm)	141.579mW (21.51dBm)	83.753mW (19.23dBm)
n30 (Channel Bandwidth 10MHz)	2310.00	244.906mW (23.89dBm)	247.742mW (23.94dBm)	191.426mW (22.82dBm)	143.549mW (21.57dBm)	84.918mW (19.29dBm)
n38 (Channel Bandwidth 20MHz)	2580.00-2610.00	286.418mW (24.57dBm)	287.078mW (24.58dBm)	222.331mW (23.47dBm)	158.855mW (22.01dBm)	91.411mW (19.61dBm)
n38 (Channel Bandwidth 30MHz)	2585.00-2605.00	282.488mW (24.51dBm)	285.759mW (24.56dBm)	222.331mW (23.47dBm)	160.325mW (22.05dBm)	90.365mW (19.56dBm)
n38 (Channel Bandwidth 40MHz)	2590.00-2600.00	289.734mW (24.62dBm)	292.415mW (24.66dBm)	227.510mW (23.57dBm)	164.437mW (22.16dBm)	94.842mW (19.77dBm)
n41 (Channel Bandwidth 20MHz)	2506.02-2679.99	514.044mW (27.11dBm)	590.201mW (27.71dBm)	414.954mW (26.18dBm)	285.102mW (24.55dBm)	193.642mW (22.87dBm)
n41 (Channel Bandwidth 30MHz)	2511.00-2674.98	516.416mW (27.13dBm)	595.662mW (27.75dBm)	416.869mW (26.20dBm)	291.743mW (24.65dBm)	194.089mW (22.88dBm)
n41 (Channel Bandwidth 40MHz)	2516.01-2670.00	526.017mW (27.21dBm)	595.662mW (27.75dBm)	421.697mW (26.25dBm)	290.402mW (24.63dBm)	198.609mW (22.98dBm)
n41 (Channel Bandwidth 50MHz)	2521.02-2664.99	527.230mW (27.22dBm)	601.174mW (27.79dBm)	422.669mW (26.26dBm)	290.402mW (24.63dBm)	199.067mW (22.99dBm)
n41 (Channel Bandwidth 60MHz)	2526.00-2659.98	519.996mW (27.16dBm)	619.441mW (27.92dBm)	419.759mW (26.23dBm)	299.226mW (24.76dBm)	201.837mW (23.05dBm)
n41 (Channel Bandwidth 80MHz)	2536.02-2649.99	524.807mW (27.20dBm)	608.135mW (27.84dBm)	428.549mW (26.32dBm)	301.995mW (24.80dBm)	203.704mW (23.09dBm)
n41 (Channel Bandwidth 90MHz)	2541.00-2644.98	535.797mW (27.29dBm)	628.058mW (27.98dBm)	436.516mW (26.40dBm)	303.389mW (24.82dBm)	202.768mW (23.07dBm)
n41 (Channel Bandwidth 100MHz)	2546.01-2640.00	535.797mW (27.29dBm)	629.506mW (27.99dBm)	436.516mW (26.40dBm)	301.995mW (24.80dBm)	205.589mW (23.13dBm)

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power				
		BPSK	QPSK	16QAM	64QAM	256QAM
n66 (Channel Bandwidth 5MHz)	1712.50-1777.50	331.131mW (25.20dBm)	324.340mW (25.11dBm)	252.930mW (24.03dBm)	195.884mW (22.92dBm)	118.032mW (20.72dBm)
n66 (Channel Bandwidth 10MHz)	1715.00-1775.00	328.095mW (25.16dBm)	332.660mW (25.22dBm)	255.270mW (24.07dBm)	195.434mW (22.91dBm)	118.304mW (20.73dBm)
n66 (Channel Bandwidth 15MHz)	1717.50-1772.50	329.610mW (25.18dBm)	328.852mW (25.17dBm)	260.615mW (24.16dBm)	195.434mW (22.91dBm)	118.304mW (20.73dBm)
n66 (Channel Bandwidth 20MHz)	1720.00-1770.00	328.852mW (25.17dBm)	319.154mW (25.04dBm)	250.035mW (23.98dBm)	190.108mW (22.79dBm)	117.761mW (20.71dBm)
n66 (Channel Bandwidth 30MHz)	1725.00-1765.00	336.512mW (25.27dBm)	338.065mW (25.29dBm)	264.850mW (24.23dBm)	198.153mW (22.97dBm)	121.899mW (20.86dBm)

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power				
		BPSK	QPSK	16QAM	64QAM	256QAM
For Part 27Q						
n77 (Channel Bandwidth 10MHz)	3455.01-3544.98	699.842mW (28.45dBm)	696.627mW (28.43dBm)	583.445mW (27.66dBm)	399.945mW (26.02dBm)	248.886mW (23.96dBm)
n77 (Channel Bandwidth 20MHz)	3460.02-3540.00	693.426mW (28.41dBm)	717.794mW (28.56dBm)	588.844mW (27.70dBm)	400.867mW (26.03dBm)	249.459mW (23.97dBm)
n77 (Channel Bandwidth 30MHz)	3465.00-3534.99	716.143mW (28.55dBm)	717.794mW (28.56dBm)	590.201mW (27.71dBm)	404.576mW (26.07dBm)	247.172mW (23.93dBm)
n77 (Channel Bandwidth 40MHz)	3470.01-3529.98	707.946mW (28.50dBm)	732.825mW (28.65dBm)	608.135mW (27.84dBm)	407.380mW (26.10dBm)	251.189mW (24.00dBm)
n77 (Channel Bandwidth 60MHz)	3480.00-3519.99	712.853mW (28.53dBm)	727.780mW (28.62dBm)	602.560mW (27.80dBm)	404.576mW (26.07dBm)	252.930mW (24.03dBm)
n77 (Channel Bandwidth 80MHz)	3490.02-3510.00	717.794mW (28.56dBm)	739.605mW (28.69dBm)	613.762mW (27.88dBm)	405.509mW (26.08dBm)	255.859mW (24.08dBm)
n77 (Channel Bandwidth 90MHz)	3495.00-3504.99	726.106mW (28.61dBm)	744.732mW (28.72dBm)	616.595mW (27.90dBm)	413.048mW (26.16dBm)	258.821mW (24.13dBm)
n77 (Channel Bandwidth 100MHz)	3500.01	736.207mW (28.67dBm)	753.356mW (28.77dBm)	622.300mW (27.94dBm)	417.830mW (26.21dBm)	263.027mW (24.20dBm)
For Part 27O						
n77 (Channel Bandwidth 20MHz)	3710.01-3969.99	704.693mW (28.48dBm)	737.904mW (28.68dBm)	574.116mW (27.59dBm)	405.509mW (26.08dBm)	252.930mW (24.03dBm)
n77 (Channel Bandwidth 30MHz)	3715.02-3964.98	711.214mW (28.52dBm)	756.833mW (28.79dBm)	590.201mW (27.71dBm)	416.869mW (26.20dBm)	262.422mW (24.19dBm)
n77 (Channel Bandwidth 40MHz)	3720.00-3960.00	717.794mW (28.56dBm)	779.830mW (28.92dBm)	590.201mW (27.71dBm)	420.727mW (26.24dBm)	262.422mW (24.19dBm)
n77 (Channel Bandwidth 60MHz)	3730.02-3949.98	726.106mW (28.61dBm)	783.430mW (28.94dBm)	594.292mW (27.74dBm)	410.204mW (26.13dBm)	267.301mW (24.27dBm)
n77 (Channel Bandwidth 80MHz)	3740.01-3939.99	736.207mW (28.67dBm)	776.247mW (28.90dBm)	612.350mW (27.87dBm)	425.598mW (26.29dBm)	269.774mW (24.31dBm)
n77 (Channel Bandwidth 100MHz)	3750.00-3930.00	762.079mW (28.82dBm)	792.501mW (28.99dBm)	626.614mW (27.97dBm)	438.531mW (26.42dBm)	262.422mW (24.19dBm)

Band / Bandwidth	TX Frequency Range (MHz)	Max. ERP Power				
		BPSK	QPSK	16QAM	64QAM	256QAM
n5 (Channel Bandwidth 5MHz)	826.50-846.50	143.549mW (21.57dBm)	144.544mW (21.60dBm)	115.878mW (20.64dBm)	84.140mW (19.25dBm)	49.204mW (16.92dBm)
n5 (Channel Bandwidth 10MHz)	829.00-844.00	141.579mW (21.51dBm)	145.546mW (21.63dBm)	115.345mW (20.62dBm)	82.414mW (19.16dBm)	48.865mW (16.89dBm)
n5 (Channel Bandwidth 15MHz)	831.50-841.50	143.549mW (21.57dBm)	145.546mW (21.63dBm)	114.551mW (20.59dBm)	85.114mW (19.30dBm)	50.234mW (17.01dBm)
n5 (Channel Bandwidth 20MHz)	834.00-839.00	146.893mW (21.67dBm)	147.911mW (21.70dBm)	116.413mW (20.66dBm)	85.507mW (19.32dBm)	50.933mW (17.07dBm)
n71 (Channel Bandwidth 5MHz)	665.50-695.50	248.313mW (23.95dBm)	249.459mW (23.97dBm)	203.704mW (23.09dBm)	146.893mW (21.67dBm)	88.105mW (19.45dBm)
n71 (Channel Bandwidth 10MHz)	668.00-693.00	250.035mW (23.98dBm)	259.418mW (24.14dBm)	196.789mW (22.94dBm)	147.571mW (21.69dBm)	90.782mW (19.58dBm)
n71 (Channel Bandwidth 15MHz)	670.50-690.50	257.040mW (24.10dBm)	259.418mW (24.14dBm)	201.837mW (23.05dBm)	148.936mW (21.73dBm)	91.201mW (19.60dBm)
n71 (Channel Bandwidth 20MHz)	673.00-688.00	258.821mW (24.13dBm)	261.216mW (24.17dBm)	203.704mW (23.09dBm)	150.314mW (21.77dBm)	92.683mW (19.67dBm)

SA Mode (MIMO)

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power			
		QPSK	16QAM	64QAM	256QAM
n38 (Channel Bandwidth 20MHz)	2580.00-2610.00	162.555mW (22.11dBm)	145.881mW (21.64dBm)	102.565mW (20.11dBm)	51.050mW (17.08dBm)
n38 (Channel Bandwidth 30MHz)	2585.00-2605.00	162.555mW (22.11dBm)	145.546mW (21.63dBm)	102.565mW (20.11dBm)	51.050mW (17.08dBm)
n38 (Channel Bandwidth 40MHz)	2590.00-2600.00	164.437mW (22.16dBm)	146.893mW (21.67dBm)	103.514mW (20.15dBm)	51.523mW (17.12dBm)
n41 (Channel Bandwidth 20MHz)	2506.02-2679.99	290.402mW (24.63dBm)	218.273mW (23.39dBm)	146.555mW (21.66dBm)	84.528mW (19.27dBm)
n41 (Channel Bandwidth 30MHz)	2511.00-2674.98	288.403mW (24.60dBm)	216.770mW (23.36dBm)	144.877mW (21.61dBm)	83.560mW (19.22dBm)
n41 (Channel Bandwidth 40MHz)	2516.01-2670.00	290.402mW (24.63dBm)	218.273mW (23.39dBm)	145.881mW (21.64dBm)	84.140mW (19.25dBm)
n41 (Channel Bandwidth 50MHz)	2521.02-2664.99	289.068mW (24.61dBm)	218.273mW (23.39dBm)	145.881mW (21.64dBm)	84.918mW (19.29dBm)
n41 (Channel Bandwidth 60MHz)	2526.00-2659.98	289.734mW (24.62dBm)	217.270mW (23.37dBm)	146.218mW (21.65dBm)	85.114mW (19.30dBm)
n41 (Channel Bandwidth 80MHz)	2536.02-2649.99	291.072mW (24.64dBm)	216.272mW (23.35dBm)	145.881mW (21.64dBm)	84.333mW (19.26dBm)
n41 (Channel Bandwidth 90MHz)	2541.00-2644.98	288.403mW (24.60dBm)	217.771mW (23.38dBm)	151.356mW (21.80dBm)	84.140mW (19.25dBm)
n41 (Channel Bandwidth 100MHz)	2546.01-2640.00	291.743mW (24.65dBm)	215.774mW (23.34dBm)	155.955mW (21.93dBm)	79.250mW (18.99dBm)

Band / Bandwidth	TX Frequency Range (MHz)	Max. EIRP Power			
		QPSK	16QAM	64QAM	256QAM
For Part 27Q					
n77 (Channel Bandwidth 10MHz)	3455.01-3544.98	452.898mW (26.56dBm)	368.129mW (25.66dBm)	267.301mW (24.27dBm)	136.458mW (21.35dBm)
n77 (Channel Bandwidth 20MHz)	3460.02-3540.00	452.898mW (26.56dBm)	368.978mW (25.67dBm)	269.153mW (24.30dBm)	136.458mW (21.35dBm)
n77 (Channel Bandwidth 30MHz)	3465.00-3534.99	452.898mW (26.56dBm)	368.978mW (25.67dBm)	267.917mW (24.28dBm)	136.773mW (21.36dBm)
n77 (Channel Bandwidth 40MHz)	3470.01-3529.98	452.898mW (26.56dBm)	368.978mW (25.67dBm)	269.153mW (24.30dBm)	136.773mW (21.36dBm)
n77 (Channel Bandwidth 60MHz)	3480.00-3519.99	451.856mW (26.55dBm)	370.681mW (25.69dBm)	268.534mW (24.29dBm)	136.773mW (21.36dBm)
n77 (Channel Bandwidth 80MHz)	3490.02-3510.00	453.942mW (26.57dBm)	368.978mW (25.67dBm)	269.774mW (24.31dBm)	136.458mW (21.35dBm)
n77 (Channel Bandwidth 90MHz)	3495.00-3504.99	453.942mW (26.57dBm)	368.129mW (25.66dBm)	267.917mW (24.28dBm)	137.404mW (21.38dBm)
n77 (Channel Bandwidth 100MHz)	3500.01	456.037mW (26.59dBm)	371.535mW (25.70dBm)	271.019mW (24.33dBm)	137.721mW (21.39dBm)
For Part 27O					
n77 (Channel Bandwidth 20MHz)	3710.01-3969.99	458.142mW (26.61dBm)	388.150mW (25.89dBm)	257.040mW (24.10dBm)	148.252mW (21.71dBm)
n77 (Channel Bandwidth 30MHz)	3715.02-3964.98	457.088mW (26.60dBm)	388.150mW (25.89dBm)	260.016mW (24.15dBm)	148.594mW (21.72dBm)
n77 (Channel Bandwidth 40MHz)	3720.00-3960.00	457.088mW (26.60dBm)	389.045mW (25.90dBm)	258.226mW (24.12dBm)	148.594mW (21.72dBm)
n77 (Channel Bandwidth 60MHz)	3730.02-3949.98	457.088mW (26.60dBm)	390.841mW (25.92dBm)	257.040mW (24.10dBm)	148.594mW (21.72dBm)
n77 (Channel Bandwidth 80MHz)	3740.01-3939.99	456.037mW (26.59dBm)	389.045mW (25.90dBm)	257.632mW (24.11dBm)	147.911mW (21.70dBm)
n77 (Channel Bandwidth 100MHz)	3750.00-3930.00	459.198mW (26.62dBm)	399.945mW (26.02dBm)	263.027mW (24.20dBm)	135.831mW (21.33dBm)

5. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.
6. 5G NR n77 has same RF characteristic and power setting as 5GNR n78.
7. 5G NR n77 overlaps the entire frequency range of 5G NR n78. Therefore, test data provided in this report covers 5G NR n77 as well as 5G NR n78.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna Type	Antenna Connector	Band	Peak Gain (dBi)			
			Main (Ant. 0)	Aux. (Ant. 2)	MIMO1 (Ant. 1)	MIMO2 (Ant. 3)
PIFA	MHF-4	5G NR n2	1.3	-	-	-
		5G NR n5	0.5	-	-	-
		5G NR n7	1.37	-	-	-
		5G NR n25	1.3	-	-	-
		5G NR n30	2.61	-	-	-
		5G NR n38	0.59	0.28	-	-
		5G NR n41	1.37	0.28	-	-
		5G NR n66	2.3	-	-	-
		5G NR n71	2.89	-	-	-
		5G NR n77 (3450-3550 MHz)	-	-	2.15	0.7
		5G NR n77 (3700-3980 MHz)	-	-	2.84	1.08
		5G NR n78 (3450-3550 MHz)	-	-	2.15	0.7
		5G NR n78 (3700-3800 MHz)	-	-	2.84	0.78

* Detail antenna specification please refer to antenna datasheet and/or antenna measurement report.

* For 5G NR n77, n78 MIMO mode, only MIMO1 and MIMO2 antennas are used to transmit. For SISO mode, select maximum gain (MIMO1) for testing.

* For 5G NR n38, n41 MIMO mode, only Main and Aux antennas are used to transmit. For SISO mode, select maximum gain (Main) for testing.

3.3 Test Mode Applicability and Tested Channel Detail

The EUT is designed to be positioned on the NB Mode only.

For NR n2

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	370500 (1852.50 MHz) 376000 (1880.00 MHz) 381500 (1907.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	371000 (1855.00 MHz) 376000 (1880.00 MHz) 381000 (1905.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	371500 (1857.50 MHz) 376000 (1880.00 MHz) 380500 (1902.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	372000 (1860.00 MHz) 376000 (1880.00 MHz) 380000 (1900.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Emission Below 1GHz	376000 (1880.00 MHz)	20 MHz	QPSK	1 RB
Radiated Emission Above 1GHz	376000 (1880.00 MHz)	20 MHz	QPSK	1 RB

For NR n5

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
ERP	165300 (826.50 MHz) 167300 (836.50 MHz) 169300 (846.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	165800 (829.00 MHz) 167300 (836.50 MHz) 168800 (844.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	166300 (831.50 MHz) 167300 (836.50 MHz) 168300 (841.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	166800 (834.00 MHz) 167300 (836.50 MHz) 167800 (839.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Emission Below 1GHz	167300 (836.50 MHz)	20 MHz	QPSK	1 RB
Radiated Emission Above 1GHz	167300 (836.50 MHz)	20 MHz	QPSK	1 RB

For NR n7

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	500500 (2502.5MHz) 507000 (2535.0MHz) 513500 (2567.5MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	501000 (2505.0MHz) 507000 (2535.0MHz) 513000 (2565.0MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	501500 (2507.5MHz) 507000 (2535.0MHz) 512500 (2562.5MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	502000 (2510.0MHz) 507000 (2535.0MHz) 512000 (2560.0MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	512000 (2560.0MHz)	20 MHz	BPSK	1 RB
Radiated Spurious Emissions above 1GHz	512000 (2560.0MHz)	20 MHz	BPSK	1 RB

For NR n25

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	370500 (1852.50 MHz) 376500 (1882.50 MHz) 382500 (1912.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	371000 (1855.00 MHz) 376500 (1882.50 MHz) 382000 (1910.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	371500 (1857.50 MHz) 376500 (1882.50 MHz) 381500 (1907.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	372000 (1860.00 MHz) 376500 (1882.50 MHz) 381000 (1905.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Emission Below 1GHz	372000 (1860.00 MHz)	20 MHz	QPSK	1 RB
Radiated Emission Above 1GHz	372000 (1860.00 MHz)	20 MHz	QPSK	1 RB

For NR n30

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	461500 (2307.50 MHz) 462000 (2310.00 MHz) 462500 (2312.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	462000 (2310.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Emission Below 1GHz	462000 (2310.00 MHz)	10 MHz	QPSK	1 RB
Radiated Emission Above 1GHz	462000 (2310.00 MHz)	10 MHz	QPSK	1 RB

For NR n38

SA Mode (SISO)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	516000 (2580.00 MHz) 519000 (2595.00 MHz) 522000 (2610.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	517000 (2585.00 MHz) 519000 (2595.00 MHz) 521000 (2605.00 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	518000 (2590.00 MHz) 519000 (2595.00 MHz) 520000 (2600.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Emission Below 1GHz	519000 (2595.00 MHz)	40 MHz	QPSK	1 RB
Radiated Emission Above 1GHz	519000 (2595.00 MHz)	40 MHz	QPSK	1 RB

SA Mode (MIMO)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	516000 (2580.00 MHz) 519000 (2595.00 MHz) 522000 (2610.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	517000 (2585.00 MHz) 519000 (2595.00 MHz) 521000 (2605.00 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	518000 (2590.00 MHz) 519000 (2595.00 MHz) 520000 (2600.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Emission Below 1GHz	518000 (2590.00 MHz)	40 MHz	QPSK	1 RB
Radiated Emission Above 1GHz	518000 (2590.00 MHz)	40 MHz	QPSK	1 RB

For NR n41

SA Mode (SISO)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	501204 (2506.02 MHz) 518598 (2592.99 MHz) 535998 (2679.99 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	502200 (2511.00 MHz) 518598 (2592.99 MHz) 534996 (2674.98 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	503202 (2516.01 MHz) 518598 (2592.99 MHz) 534000 (2670.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	504204 (2521.02 MHz) 518598 (2592.99 MHz) 532998 (2664.99 MHz)	50 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	505200 (2526.00 MHz) 518598 (2592.99 MHz) 531996 (2659.98 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	507204 (2536.02 MHz) 518598 (2592.99 MHz) 529998 (2649.99 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	508200 (2541.00 MHz) 518598 (2592.99 MHz) 528996 (2644.98 MHz)	90 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	509202 (2546.01 MHz) 518598 (2592.99 MHz) 528000 (2640.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Emission Below 1GHz	518598 (2592.99 MHz)	100 MHz	QPSK	1 RB
Radiated Emission Above 1GHz	518598 (2592.99 MHz)	100 MHz	QPSK	1 RB

SA Mode (MIMO)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	501204 (2506.02 MHz) 518598 (2592.99 MHz) 535998 (2679.99 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	502200 (2511.00 MHz) 518598 (2592.99 MHz) 534996 (2674.98 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	503202 (2516.01 MHz) 518598 (2592.99 MHz) 534000 (2670.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	504204 (2521.02 MHz) 518598 (2592.99 MHz) 532998 (2664.99 MHz)	50 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	505200 (2526.00 MHz) 518598 (2592.99 MHz) 531996 (2659.98 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	507204 (2536.02 MHz) 518598 (2592.99 MHz) 529998 (2649.99 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	508200 (2541.00 MHz) 518598 (2592.99 MHz) 528996 (2644.98 MHz)	90 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	509202 (2546.01 MHz) 518598 (2592.99 MHz) 528000 (2640.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Emission Below 1GHz	528000 (2640.00 MHz)	100 MHz	QPSK	1 RB
Radiated Emission Above 1GHz	528000 (2640.00 MHz)	100 MHz	QPSK	1 RB

For NR n66

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	342500 (1712.50 MHz) 349000 (1745.00 MHz) 355500 (1777.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	343000 (1715.00 MHz) 349000 (1745.00 MHz) 355000 (1775.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	343500 (1717.50 MHz) 349000 (1745.00 MHz) 354500 (1772.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	344000 (1720.00 MHz) 349000 (1745.00 MHz) 354000 (1770.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	345000 (1725.00 MHz) 349000 (1745.00 MHz) 353000 (1765.00 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Emission Below 1GHz	345000 (1725.00 MHz)	30 MHz	QPSK	1 RB
Radiated Emission Above 1GHz	345000 (1725.00 MHz)	30 MHz	QPSK	1 RB

For NR n71

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
ERP	133100 (665.50 MHz) 136100 (680.50 MHz) 139100 (695.50 MHz)	5 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	133600 (668.00 MHz) 136100 (680.50 MHz) 138600 (693.00 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	134100 (670.50 MHz) 136100 (680.50 MHz) 138100 (690.50 MHz)	15 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	134600 (673.00 MHz) 136100 (680.50 MHz) 137600 (688.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Emission Below 1GHz	137600 (688.00 MHz)	20 MHz	QPSK	1 RB
Radiated Emission Above 1GHz	137600 (688.00 MHz)	20 MHz	QPSK	1 RB

For NR n77 (3450-3550 MHz)

SA Mode (SISO)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	630334 (3455.01 MHz) 633334 (3500.01 MHz) 636332 (3544.98 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	630668 (3460.02 MHz) 633334 (3500.01 MHz) 636000 (3540.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	631000 (3465.00 MHz) 633334 (3500.01 MHz) 635666 (3535.99 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	631334 (3470.01 MHz) 633334 (3500.01 MHz) 635332 (3529.98 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	632000 (3480.00 MHz) 633334 (3500.01 MHz) 634666 (3519.99 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	632668 (3490.02 MHz) 633334 (3500.01 MHz) 634000 (3510.00 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	633000 (3495.00 MHz) 633334 (3500.01 MHz) 633666 (3504.99 MHz)	90 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	633334 (3500.01 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Emission Below 1GHz	633334 (3500.01 MHz)	100 MHz	QPSK	1 RB
Radiated Emission Above 1GHz	630668 (3460.02 MHz) 633334 (3500.01 MHz) 636000 (3540.00 MHz)	20 MHz	QPSK	1 RB
	632000 (3480.00 MHz) 633334 (3500.01 MHz) 634666 (3519.99 MHz)	60 MHz	QPSK	1 RB
	633334 (3500.01 MHz)	100 MHz	QPSK	1 RB

SA Mode (MIMO)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	630334 (3455.01 MHz) 633334 (3500.01 MHz) 636332 (3544.98 MHz)	10 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	630668 (3460.02 MHz) 633334 (3500.01 MHz) 636000 (3540.00 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	631000 (3465.00 MHz) 633334 (3500.01 MHz) 635666 (3535.99 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	631334 (3470.01 MHz) 633334 (3500.01 MHz) 635332 (3529.98 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	632000 (3480.00 MHz) 633334 (3500.01 MHz) 634666 (3519.99 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	632668 (3490.02 MHz) 633334 (3500.01 MHz) 634000 (3510.00 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	633000 (3495.00 MHz) 633334 (3500.01 MHz) 633666 (3504.99 MHz)	90 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	633334 (3500.01 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Emission Below 1GHz	633334 (3500.01 MHz)	100 MHz	QPSK	1 RB
Radiated Emission Above 1GHz	630668 (3460.02 MHz) 633334 (3500.01 MHz) 636000 (3540.00 MHz)	20 MHz	QPSK	1 RB
	632000 (3480.00 MHz) 633334 (3500.01 MHz) 634666 (3519.99 MHz)	60 MHz	QPSK	1 RB
	633334 (3500.01 MHz)	100 MHz	QPSK	1 RB

For NR n77 (3700-3980 MHz)

SA Mode (SISO)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	647334 (3710.01 MHz) 656000 (3840.00 MHz) 664666 (3969.99 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	647668 (3715.02 MHz) 656000 (3840.00 MHz) 664332 (3965.00 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	648000 (3720.00 MHz) 656000 (3840.00 MHz) 664000 (3960.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	649334 (3740.01 MHz) 656000 (3840.00 MHz) 662666 (3939.99 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Emission Below 1GHz	662000 (3930.00 MHz)	100 MHz	QPSK	1 RB
Radiated Emission Above 1GHz	647334 (3710.01 MHz) 656000 (3840.00 MHz) 664666 (3969.99 MHz)	20 MHz	QPSK	1 RB
	648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	QPSK	1 RB
	650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	QPSK	1 RB

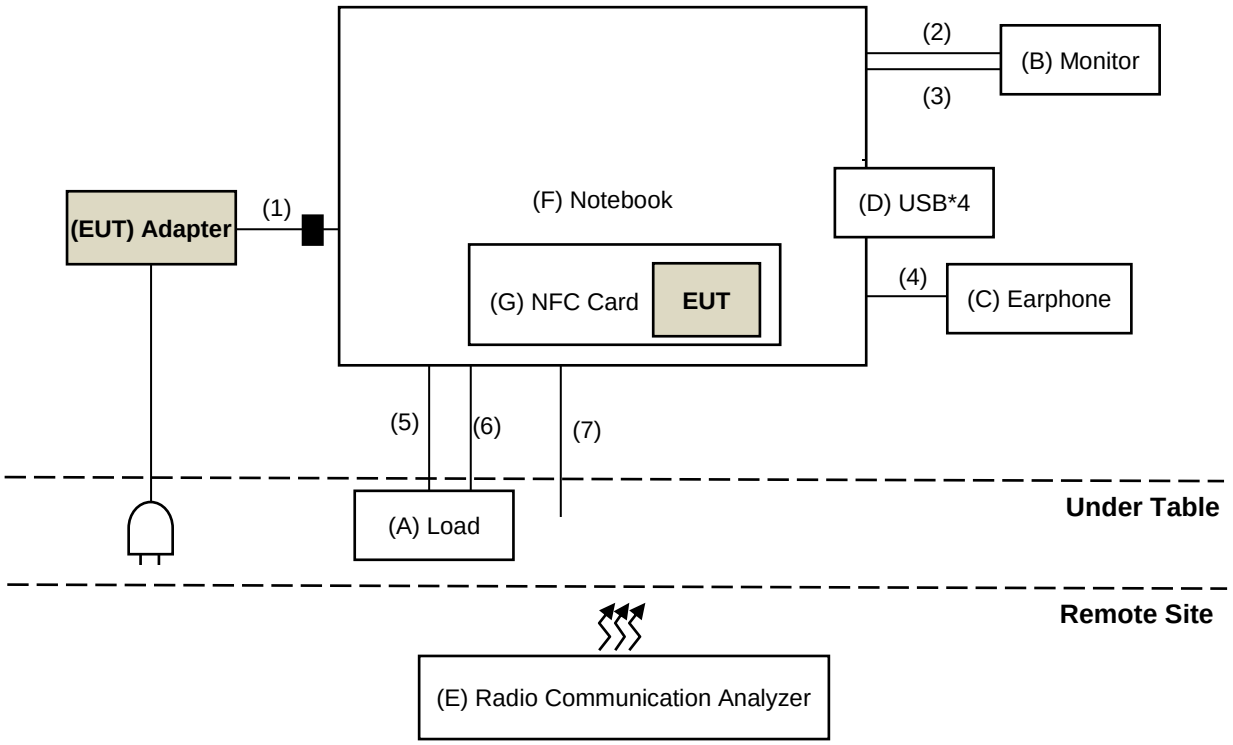
SA Mode (MIMO)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	647334 (3710.01 MHz) 656000 (3840.00 MHz) 664666 (3969.99 MHz)	20 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	647668 (3715.02 MHz) 656000 (3840.00 MHz) 664332 (3965.00 MHz)	30 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	648000 (3720.00 MHz) 656000 (3840.00 MHz) 664000 (3960.00 MHz)	40 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	649334 (3740.01 MHz) 656000 (3840.00 MHz) 662666 (3939.99 MHz)	80 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Emission Below 1GHz	650000 (3750.00 MHz)	100 MHz	QPSK	1 RB
Radiated Emission Above 1GHz	647334 (3710.01 MHz) 656000 (3840.00 MHz) 664666 (3969.99 MHz)	20 MHz	QPSK	1 RB
	648668 (3730.02 MHz) 656000 (3840.00 MHz) 663332 (3949.98 MHz)	60 MHz	QPSK	1 RB
	650000 (3750.00 MHz) 656000 (3840.00 MHz) 662000 (3930.00 MHz)	100 MHz	QPSK	1 RB

3.4 Test Program Used and Operation Descriptions

There is no need to controlling software during the test, and the EUT can be paired with the Radio Communication Analyzer to test the connection when it is powered on.

3.5 Connection Diagram of EUT and Peripheral Devices



3.6 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Load	N/A	N/A	N/A	N/A	Provided by Lab
B	Monitor	ENVISON	TFT22W90PS1	ECRE4JA000764	N/A	Provided by Lab
C	Earphone	APPLE	MB77PFEB	N/A	N/A	Provided by Lab
D	USB*4	SanDisk	SDDDC3-032G	N/A	N/A	Provided by Lab
E	Radio Communication Analyzer	Anritsu	MT8821C	6201462755	N/A	Provided by Lab
F	Notebook	Getac	S510	N/A	N/A	Supplied by applicant
G	NFC Card	TYPE-B	N/A	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	ADAPTER	1	1.2	Y	1	Accessory of EUT
2	HDMI	1	1.8	Y	0	Provided by Lab
3	D-SUB	1	1.8	Y	2	Provided by Lab
4	AUDIO	1	1.2	N	0	Provided by Lab
5	LAN	1	1.5	N	0	Provided by Lab
6	LAN	1	1.5	N	0	Provided by Lab
7	RS232	1	1.5	N	0	Provided by Lab

4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
N9030B - PXA Signal Analyzer KEYSIGHT	N9030B	MY57140488	2024/3/6	2025/3/5
Radio Communication Analyzer Anritsu	MT8821C	6201462755	2024/3/13	2025/3/12
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/5/16

4.2 Radiated Spurious Emissions below 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower inn-co GmbH	MA 4000	010303	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-155	2023/10/13	2024/10/12
EMI Test Receiver R&S	ESR3	102782	2023/12/7	2024/12/6
Loop Antenna Electro-Metrics	EM-6879	269	2023/9/23	2024/9/22
Loop Antenna TESEQ	HLA 6121	45745	2023/8/8	2024/8/7
Preamplifier Agilent	8447D	2944A10631	2023/5/7	2024/5/6
Preamplifier EMCI	EMC001340	980201	2023/9/27	2024/9/26
RF Coaxial Cable Woken	8D-FB	Cable-CH4-01	2023/7/8	2024/7/7
Signal & Spectrum Analyzer R&S	FSW43	101582	2023/4/13	2024/4/12
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 3.
2. Tested Date: 2024/3/9 ~ 2024/3/28

4.3 Radiated Spurious Emissions above 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower inn-co GmbH	MA 4000	010303	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	5	N/A	N/A
EMI Test Receiver R&S	ESR3	102782	2023/12/7	2024/12/6
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-408	2023/11/12	2024/11/11
	BBHA 9170	9170-480	2023/11/12	2024/11/11
		BBHA9170241	2023/10/16	2024/10/15
		BBHA9170243	2023/11/12	2024/11/11
Preamplifier EMCI	EMC 184045	980116	2023/9/27	2024/9/26
Preamplifier Keysight	83017A	MY53270295	2023/5/7	2024/5/6
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2023/7/8	2024/7/7
	EMC102-KM-KM-3000	150929	2023/7/8	2024/7/7
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	Cable-CH4-03(250724)	2023/5/7	2024/5/6
	Sucoflex 104	MY 13380+295012/04	2023/5/7	2024/5/6
Signal & Spectrum Analyzer R&S	FSW43	101582	2023/4/13	2024/4/12
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 3.
2. Tested Date: 2024/3/8 ~ 2024/3/28

5 Limits of Test Items

5.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

For NR n2, NR n25:

Mobile and portable stations are limited to 2 watts EIRP.

For NR n5:

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

For NR n7, NR n38, NR n41:

Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

For NR n30:

For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth.

For NR n66:

Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

For NR n71:

Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

For NR n77 (3450-3550 MHz):

Mobile devices are limited to 1Watt (30 dBm) EIRP.

For NR n77 (3700-3980 MHz):

Mobile and portable stations are limited to 1 Watt EIRP.

5.2 Radiated Spurious Emissions below 1GHz

For NR n2, NR n5, NR n25:

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit equal to –13 dBm.

For NR n7, NR n38, NR n41:

According to FCC 47 CFR part 27.53(m)(4), on any frequency outside a licensee's frequency block, The power of any emission shall be attenuated below the transmitter power (P) by at least 55 + 10 log (P) dB. The emission limit equal to –25 dBm.

For NR n30:

According to FCC 47 CFR part 27.53(a)(4)(ii)(iii), the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 70 +10 log (P) dB. The limit of emission is equal to -40 dBm.

For NR n66:

According to FCC 47 CFR part 27.53(h), for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log (P) dB. The limit of emission is equal to -13 dBm.

For NR n71:

According to FCC 47 CFR part 27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. The limit of emissions is equal to -13 dBm.

For NR n77 (3450-3550 MHz):

According to FCC 47 CFR part 27.53(n), for operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

For NR n77 (3700-3980 MHz):

According to FCC 47 CFR part 27.53(l), for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

5.3 Radiated Spurious Emissions above 1GHz

For NR n2, NR n5, NR n25:

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit equal to –13 dBm.

For NR n7, NR n38, NR n41:

According to FCC 47 CFR part 27.53(m)(4), on any frequency outside a licensee's frequency block, The power of any emission shall be attenuated below the transmitter power (P) by at least 55 + 10 log (P) dB. The emission limit equal to –25 dBm.

For NR n30:

According to FCC 47 CFR part 27.53(a)(4)(ii)(iii), the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 70 +10 log (P) dB. The limit of emission is equal to -40 dBm.

For NR n66:

According to FCC 47 CFR part 27.53(h), for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log (P) dB. The limit of emission is equal to -13 dBm.

For NR n71:

According to FCC 47 CFR part 27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. The limit of emissions is equal to -13 dBm.

For NR n77 (3450-3550 MHz):

According to FCC 47 CFR part 27.53(n), for operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

For NR n77 (3700-3980 MHz):

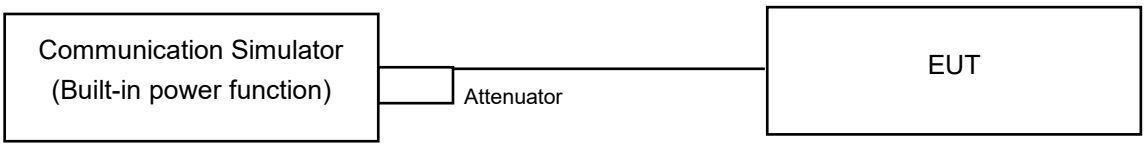
According to FCC 47 CFR part 27.53(l), for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

6 Test Arrangements

6.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

6.1.1 Test Setup

Conducted Power Measurement:



6.1.2 Test Procedure

Conducted Power Measurement:

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology. The power measurement was performed on emulator and power value was measured from power function on emulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

Maximum EIRP / ERP

The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation as follows:

$EIRP = P_{Meas} + G_T$

$ERP = P_{Meas} + G_T - 2.15$

where

ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas}, e.g., dBm or dBW)

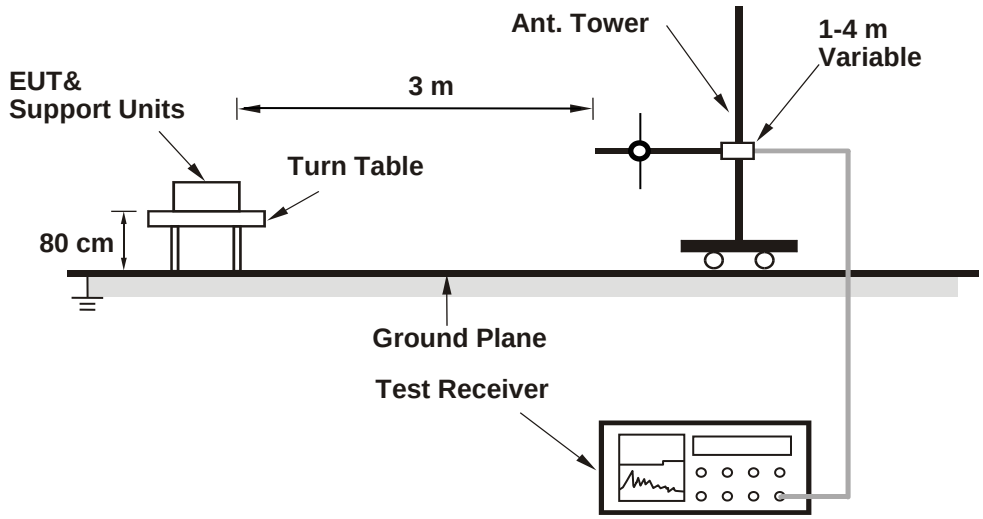
P_{Meas} measured transmitter output power or PSD, in dBm or dBW

G_T gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

6.2 Radiated Spurious Emissions below 1GHz

6.2.1 Test Setup

For radiated emission 30 MHz to 1 GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

6.2.2 Test Procedure

The EUT is configured by test software or key-in commands to set data modulation and maximum power using WWAN technology.

a. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) height of turn table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.

b. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

c. Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.

d. Following ANSI C63.26 section 5.5 and 5.2.7

e. EIRP (dBm) = E (dBμV/m) + 20log(D) - 104.8; where D is the measurement distance (in the far field region) in m.

f. ERP (dBm) = E (dBμV/m) + 20log(D) - 104.8 - 2.15; where D is the measurement distance (in the far field region) in m.

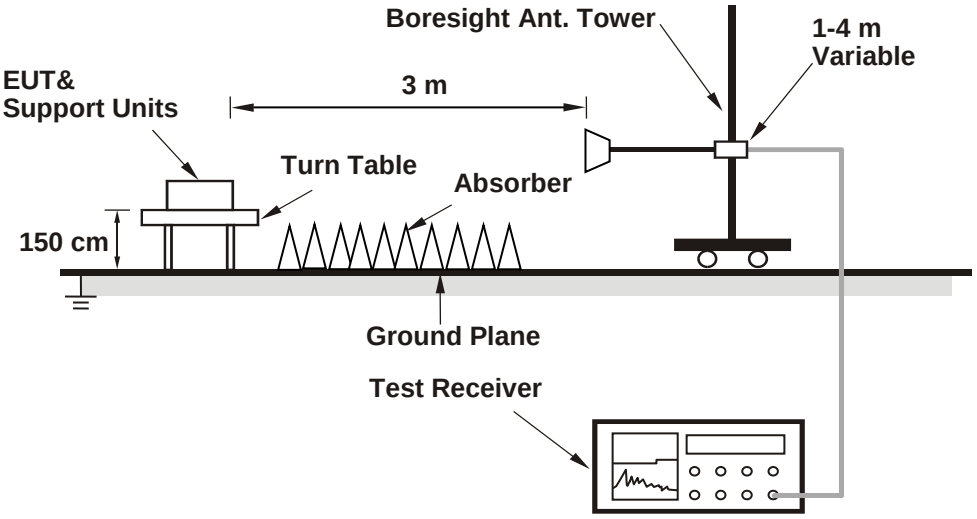
Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz. Set detector = average.

6.3 Radiated Spurious Emissions above 1GHz

6.3.1 Test Setup

For radiated emission above 1 GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

6.3.2 Test Procedure

The EUT is configured by test software or key-in commands to set data modulation and maximum power using WWAN technology.

a. In the semi-anechoic chamber, EUT placed on the 1.5 m height of turn table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.

b. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

c. Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.

d. Following ANSI C63.26 section 5.5 and 5.2.7

e. EIRP (dBm) = E (dBμV/m) + 20log(D) - 104.8; where D is the measurement distance (in the far field region) in m.

f. ERP (dBm) = E (dBμV/m) + 20log(D) - 104.8 - 2.15; where D is the measurement distance (in the far field region) in m.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz. Set detector = average.

7 Test Results of Test Item

7.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	22°C, 65% RH	Tested By:	Willy Cheng

7.1.1 NR n2 SCS 15 kHz

Conducted Output Power (dBm)

NR Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		372000	376000	380000
		Frequence (MHz)		1860	1880	1900
20M	DFT-S PI/2 BPSK	1	1	23.08	23.13	23.05
20M	DFT-S QPSK	1	1	23.16	23.18	23.11
		1	53	23.09	23.15	23.02
		1	104	23.09	23.12	23.02
		50	0	22.07	22.08	22.00
		50	28	23.02	23.07	22.99
		50	56	22.12	22.13	22.07
		100	0	21.91	22.01	21.88
20M	DFT-S 16QAM	1	1	22.13	22.16	22.11
20M	DFT-S 64QAM	1	1	20.64	20.72	20.56
20M	DFT-S 256QAM	1	1	18.71	18.79	18.63
20M	CP QPSK	1	1	21.58	21.61	21.54

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	23.13	24.43	33.01
DFT-S QPSK	23.18	24.48	33.01
DFT-S 16QAM	22.16	23.46	33.01
DFT-S 64QAM	20.72	22.02	33.01
DFT-S 256QAM	18.79	20.09	33.01
CP QPSK	21.61	22.91	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		371500	376000	380500
		Frequence (MHz)		1857.5	1880	1902.5
15M	DFT-S PI/2 BPSK	1	1	23.01	23.07	22.98
15M	DFT-S QPSK	1	1	23.06	23.15	23.04
		1	40	23.06	23.13	23.00
		1	77	23.07	23.07	22.97
		36	0	22.05	22.03	21.90
		36	22	22.92	23.05	22.97
		36	43	22.05	22.12	21.98
		75	0	21.91	21.99	21.85
15M	DFT-S 16QAM	1	1	22.10	22.12	22.10
15M	DFT-S 64QAM	1	1	20.55	20.67	20.47
15M	DFT-S 256QAM	1	1	18.69	18.78	18.54
15M	CP QPSK	1	1	21.49	21.57	21.53

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	23.07	24.37	33.01
DFT-S QPSK	23.15	24.45	33.01
DFT-S 16QAM	22.12	23.42	33.01
DFT-S 64QAM	20.67	21.97	33.01
DFT-S 256QAM	18.78	20.08	33.01
CP QPSK	21.57	22.87	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		371000	376000	381000
		Frequence (MHz)		1855	1880	1905
10M	DFT-S PI/2 BPSK	1	1	22.86	23.00	22.98
10M	DFT-S QPSK	1	1	22.98	23.11	22.96
		1	26	23.05	23.02	22.82
		1	50	22.90	23.09	22.95
		25	0	21.92	21.95	21.92
		25	14	22.87	22.87	22.95
		25	27	21.94	22.04	21.87
		50	0	21.75	21.93	21.71
10M	DFT-S 16QAM	1	1	22.01	22.05	21.95
10M	DFT-S 64QAM	1	1	20.47	20.59	20.37
10M	DFT-S 256QAM	1	1	18.59	18.69	18.46
10M	CP QPSK	1	1	21.41	21.38	21.40

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	23.00	24.30	33.01
DFT-S QPSK	23.11	24.41	33.01
DFT-S 16QAM	22.05	23.35	33.01
DFT-S 64QAM	20.59	21.89	33.01
DFT-S 256QAM	18.69	19.99	33.01
CP QPSK	21.41	22.71	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		370500	376000	381500
		Frequence (MHz)		1852.5	1880	1907.5
5M	DFT-S PI/2 BPSK	1	1	23.07	23.00	22.82
5M	DFT-S QPSK	1	1	23.13	23.06	22.84
		1	13	22.96	23.01	22.86
		1	23	22.85	23.08	22.86
		12	0	21.91	21.95	21.67
		12	7	22.82	22.96	22.78
		12	13	22.02	22.00	21.93
		25	0	21.86	21.88	21.71
5M	DFT-S 16QAM	1	1	22.01	22.04	22.07
5M	DFT-S 64QAM	1	1	20.51	20.64	20.38
5M	DFT-S 256QAM	1	1	18.63	18.63	18.43
5M	CP QPSK	1	1	21.38	21.58	21.42

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	23.07	24.37	33.01
DFT-S QPSK	23.13	24.43	33.01
DFT-S 16QAM	22.07	23.37	33.01
DFT-S 64QAM	20.64	21.94	33.01
DFT-S 256QAM	18.63	19.93	33.01
CP QPSK	21.58	22.88	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.2 NR n5 SCS 15 kHz

Conducted Output Power (dBm)

NR Band 5						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		166800	167300	167800
		Frequence (MHz)		834	836.5	839
20M	DFT-S PI/2 BPSK	1	1	23.17	23.32	23.11
20M	DFT-S QPSK	1	1	23.22	23.35	23.21
		1	53	23.17	23.28	23.15
		1	104	23.13	23.27	23.12
		50	0	22.31	22.39	22.27
		50	28	23.30	23.31	23.26
		50	56	22.15	22.18	22.13
		100	0	22.21	22.28	22.13
20M	DFT-S 16QAM	1	1	22.29	22.31	22.24
20M	DFT-S 64QAM	1	1	20.90	20.97	20.80
20M	DFT-S 256QAM	1	1	18.65	18.72	18.61
20M	CP QPSK	1	1	21.87	21.89	21.79

ERP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	ERP (dBm)	ERP Limit (dBm)
DFT-S PI/2 BPSK	23.32	21.67	38.5
DFT-S QPSK	23.35	21.70	38.5
DFT-S 16QAM	22.31	20.66	38.5
DFT-S 64QAM	20.97	19.32	38.5
DFT-S 256QAM	18.72	17.07	38.5
CP QPSK	21.89	20.24	38.5

Note: ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

Conducted Output Power (dBm)

NR Band 5						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		166300	167300	168300
		Frequence (MHz)		831.5	836.5	841.5
15M	DFT-S PI/2 BPSK	1	1	23.14	23.22	23.02
15M	DFT-S QPSK	1	1	23.12	23.28	23.12
		1	40	23.16	23.25	23.13
		1	77	23.03	23.21	23.02
		36	0	22.27	22.29	22.22
		36	22	23.24	23.21	23.16
		36	43	22.10	22.17	22.06
		75	0	22.14	22.18	22.08
15M	DFT-S 16QAM	1	1	22.20	22.24	22.24
15M	DFT-S 64QAM	1	1	20.86	20.95	20.78
15M	DFT-S 256QAM	1	1	18.61	18.66	18.55
15M	CP QPSK	1	1	21.82	21.79	21.70

ERP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	ERP (dBm)	ERP Limit (dBm)
DFT-S PI/2 BPSK	23.22	21.57	38.5
DFT-S QPSK	23.28	21.63	38.5
DFT-S 16QAM	22.24	20.59	38.5
DFT-S 64QAM	20.95	19.30	38.5
DFT-S 256QAM	18.66	17.01	38.5
CP QPSK	21.82	20.17	38.5

Note: ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

Conducted Output Power (dBm)

NR Band 5						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		165800	167300	168800
		Frequence (MHz)		829	836.5	844
10M	DFT-S PI/2 BPSK	1	1	23.07	23.16	23.00
10M	DFT-S QPSK	1	1	23.10	23.12	23.00
		1	26	22.97	23.28	22.90
		1	50	22.97	23.25	23.08
		25	0	22.31	22.28	22.19
		25	14	23.12	23.25	23.22
		25	27	22.01	22.01	22.07
		50	0	22.16	22.20	22.03
10M	DFT-S 16QAM	1	1	22.12	22.27	22.10
10M	DFT-S 64QAM	1	1	20.81	20.78	20.74
10M	DFT-S 256QAM	1	1	18.46	18.54	18.37
10M	CP QPSK	1	1	21.77	21.80	21.64

ERP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	ERP (dBm)	ERP Limit (dBm)
DFT-S PI/2 BPSK	23.16	21.51	38.5
DFT-S QPSK	23.28	21.63	38.5
DFT-S 16QAM	22.27	20.62	38.5
DFT-S 64QAM	20.81	19.16	38.5
DFT-S 256QAM	18.54	16.89	38.5
CP QPSK	21.80	20.15	38.5

Note: ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

Conducted Output Power (dBm)

NR Band 5						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		165300	167300	169300
		Frequence (MHz)		826.5	836.5	846.5
5M	DFT-S PI/2 BPSK	1	1	23.04	23.22	22.87
5M	DFT-S QPSK	1	1	23.15	23.19	23.08
		1	13	23.12	23.17	23.00
		1	23	23.06	23.20	22.91
		12	0	22.21	22.34	21.93
		12	7	23.25	23.13	23.09
		12	13	21.93	21.98	22.01
		25	0	22.10	22.12	21.95
5M	DFT-S 16QAM	1	1	22.22	22.29	22.04
5M	DFT-S 64QAM	1	1	20.82	20.90	20.72
5M	DFT-S 256QAM	1	1	18.52	18.57	18.54
5M	CP QPSK	1	1	21.73	21.76	21.61

ERP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	ERP (dBm)	ERP Limit (dBm)
DFT-S PI/2 BPSK	23.22	21.57	38.5
DFT-S QPSK	23.25	21.60	38.5
DFT-S 16QAM	22.29	20.64	38.5
DFT-S 64QAM	20.90	19.25	38.5
DFT-S 256QAM	18.57	16.92	38.5
CP QPSK	21.76	20.11	38.5

Note: ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

7.1.3 NR n7 SCS 15 kHz

Conducted Output Power (dBm)

NR Band 7						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		502000	507000	512000
		Frequence (MHz)		2510	2535	2560
20M	DFT-S PI/2 BPSK	1	1	23.03	23.11	23.17
20M	DFT-S QPSK	1	1	23.06	23.15	23.18
		1	53	23.10	23.11	23.16
		1	104	23.04	23.07	23.11
		50	0	22.07	22.07	22.15
		50	28	23.05	23.11	23.13
		50	56	22.06	22.09	22.12
		100	0	22.03	22.10	22.17
20M	DFT-S 16QAM	1	1	22.07	22.11	22.21
20M	DFT-S 64QAM	1	1	20.87	20.89	20.92
20M	DFT-S 256QAM	1	1	18.22	18.35	18.43
20M	CP QPSK	1	1	21.57	21.67	21.76

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	23.17	24.54	33.01
DFT-S QPSK	23.18	24.55	33.01
DFT-S 16QAM	22.21	23.58	33.01
DFT-S 64QAM	20.92	22.29	33.01
DFT-S 256QAM	18.43	19.80	33.01
CP QPSK	21.76	23.13	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 7						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		501500	507000	512500
		Frequence (MHz)		2507.5	2535	2562.5
15M	DFT-S PI/2 BPSK	1	1	22.99	23.11	23.15
15M	DFT-S QPSK	1	1	23.06	23.13	23.11
		1	40	23.03	23.07	23.10
		1	77	23.00	23.03	23.09
		36	0	22.01	22.05	22.11
		36	22	22.99	23.09	23.08
		36	43	22.03	22.03	22.04
		75	0	22.01	22.01	22.16
15M	DFT-S 16QAM	1	1	22.04	22.05	22.12
15M	DFT-S 64QAM	1	1	20.77	20.88	20.84
15M	DFT-S 256QAM	1	1	18.21	18.17	18.36
15M	CP QPSK	1	1	21.53	21.61	21.72

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	23.15	24.52	33.01
DFT-S QPSK	23.13	24.50	33.01
DFT-S 16QAM	22.12	23.49	33.01
DFT-S 64QAM	20.88	22.25	33.01
DFT-S 256QAM	18.36	19.73	33.01
CP QPSK	21.72	23.09	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 7						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		501000	507000	513000
		Frequence (MHz)		2505	2535	2565
10M	DFT-S PI/2 BPSK	1	1	22.88	23.03	23.09
10M	DFT-S QPSK	1	1	22.95	23.04	23.09
		1	26	23.02	23.02	22.97
		1	50	22.82	22.89	22.96
		25	0	21.90	21.91	22.02
		25	14	22.87	22.93	22.98
		25	27	21.97	21.87	22.00
		50	0	21.98	21.94	22.09
10M	DFT-S 16QAM	1	1	22.03	22.00	22.05
10M	DFT-S 64QAM	1	1	20.73	20.84	20.80
10M	DFT-S 256QAM	1	1	18.13	18.20	18.22
10M	CP QPSK	1	1	21.47	21.55	21.60

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	23.09	24.46	33.01
DFT-S QPSK	23.09	24.46	33.01
DFT-S 16QAM	22.05	23.42	33.01
DFT-S 64QAM	20.84	22.21	33.01
DFT-S 256QAM	18.22	19.59	33.01
CP QPSK	21.60	22.97	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 7						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		500500	507000	513500
		Frequence (MHz)		2502.5	2535	2567.5
5M	DFT-S PI/2 BPSK	1	1	22.94	23.08	22.89
5M	DFT-S QPSK	1	1	22.98	23.13	22.94
		1	13	22.88	22.96	22.85
		1	23	22.98	22.87	23.02
		12	0	21.95	21.97	21.94
		12	7	23.03	23.00	22.91
		12	13	21.96	21.91	21.82
		25	0	22.02	21.98	22.07
5M	DFT-S 16QAM	1	1	21.95	21.94	22.14
5M	DFT-S 64QAM	1	1	20.77	20.76	20.88
5M	DFT-S 256QAM	1	1	18.12	18.32	18.31
5M	CP QPSK	1	1	21.41	21.55	21.72

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	23.08	24.45	33.01
DFT-S QPSK	23.13	24.50	33.01
DFT-S 16QAM	22.14	23.51	33.01
DFT-S 64QAM	20.88	22.25	33.01
DFT-S 256QAM	18.32	19.69	33.01
CP QPSK	21.72	23.09	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.4 NR n25 SCS 15 kHz

Conducted Output Power (dBm)

NR Band 25						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		372000	376500	381000
		Frequence (MHz)		1860	1882.5	1905
20M	DFT-S PI/2 BPSK	1	1	22.99	22.89	22.83
20M	DFT-S QPSK	1	1	23.05	22.91	22.95
		1	53	23.01	22.83	22.93
		1	104	22.96	22.88	22.88
		50	0	22.03	21.94	22.03
		50	28	23.02	22.92	23.01
		50	56	21.98	21.95	21.97
		100	0	22.08	21.98	22.07
20M	DFT-S 16QAM	1	1	22.07	22.02	22.03
20M	DFT-S 64QAM	1	1	20.75	20.62	20.72
20M	DFT-S 256QAM	1	1	18.46	18.33	18.41
20M	CP QPSK	1	1	21.48	21.35	21.41

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	22.99	24.29	33.01
DFT-S QPSK	23.05	24.35	33.01
DFT-S 16QAM	22.07	23.37	33.01
DFT-S 64QAM	20.75	22.05	33.01
DFT-S 256QAM	18.46	19.76	33.01
CP QPSK	23.00	24.30	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 25						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		371500	376500	381500
		Frequence (MHz)		1857.5	1882.5	1907.5
15M	DFT-S PI/2 BPSK	1	1	22.90	22.85	22.74
15M	DFT-S QPSK	1	1	22.95	22.85	22.87
		1	40	22.93	22.76	22.91
		1	77	22.89	22.81	22.85
		36	0	22.03	21.94	21.96
		36	22	22.97	22.91	22.98
		36	43	21.93	21.85	21.94
		75	0	22.04	21.91	22.01
15M	DFT-S 16QAM	1	1	22.06	21.99	22.01
15M	DFT-S 64QAM	1	1	20.69	20.60	20.67
15M	DFT-S 256QAM	1	1	18.38	18.19	18.21
15M	CP QPSK	1	1	21.45	21.35	21.32

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	22.90	24.20	33.01
DFT-S QPSK	22.98	24.28	33.01
DFT-S 16QAM	22.06	23.36	33.01
DFT-S 64QAM	20.69	21.99	33.01
DFT-S 256QAM	18.38	19.68	33.01
CP QPSK	23.00	24.30	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 25						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		371000	376500	382000
		Frequence (MHz)		1855	1882.5	1910
10M	DFT-S PI/2 BPSK	1	1	22.83	22.74	22.79
10M	DFT-S QPSK	1	1	23.02	22.90	22.77
		1	26	22.83	22.63	22.81
		1	50	22.78	22.77	22.68
		25	0	21.96	21.87	21.96
		25	14	22.96	22.79	22.90
		25	27	21.83	21.80	21.85
		50	0	21.97	21.96	21.95
10M	DFT-S 16QAM	1	1	21.88	21.84	21.92
10M	DFT-S 64QAM	1	1	20.68	20.57	20.64
10M	DFT-S 256QAM	1	1	18.30	18.17	18.20
10M	CP QPSK	1	1	21.27	21.18	21.28

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	22.83	24.13	33.01
DFT-S QPSK	23.02	24.32	33.01
DFT-S 16QAM	21.92	23.22	33.01
DFT-S 64QAM	20.68	21.98	33.01
DFT-S 256QAM	18.30	19.60	33.01
CP QPSK	23.00	24.30	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 25						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		370500	376500	382500
		Frequence (MHz)		1852.5	1882.5	1912.5
5M	DFT-S PI/2 BPSK	1	1	22.91	22.74	22.58
5M	DFT-S QPSK	1	1	22.92	22.90	22.72
		1	13	22.84	22.71	22.77
		1	23	22.83	22.71	22.70
		12	0	22.02	21.71	21.91
		12	7	22.92	22.87	22.76
		12	13	21.91	21.78	21.78
		25	0	21.97	21.83	21.84
5M	DFT-S 16QAM	1	1	21.93	21.85	21.90
5M	DFT-S 64QAM	1	1	20.59	20.61	20.70
5M	DFT-S 256QAM	1	1	18.33	18.13	18.30
5M	CP QPSK	1	1	21.35	21.28	21.28

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	22.91	24.21	33.01
DFT-S QPSK	22.92	24.22	33.01
DFT-S 16QAM	21.93	23.23	33.01
DFT-S 64QAM	20.70	22.00	33.01
DFT-S 256QAM	18.33	19.63	33.01
CP QPSK	23.00	24.30	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.5 NR n30 SCS 15 kHz

Conducted Output Power (dBm/5MHz)

NR Band 30				
BW	MCS Index	RB Size	RB Offset	Mid
		Channel		462000
		Frequence (MHz)		2310
10M	DFT-S PI/2 BPSK	1	1	21.28
10M	DFT-S QPSK	1	1	21.33
		1	26	21.26
		1	50	21.29
		25	0	20.28
		25	14	21.26
		25	27	20.26
		50	0	20.27
10M	DFT-S 16QAM	1	1	20.21
10M	DFT-S 64QAM	1	1	18.96
10M	DFT-S 256QAM	1	1	16.68
10M	CP QPSK	1	1	19.55

EIRP Power (dBm/5MHz)

Maximum Output Power			
Modulation	Cond. Power (dBm/5MHz)	EIRP (dBm/5MHz)	EIRP Limit (dBm/5MHz)
DFT-S PI/2 BPSK	21.28	23.89	23.98
DFT-S QPSK	21.33	23.94	23.98
DFT-S 16QAM	20.21	22.82	23.98
DFT-S 64QAM	18.96	21.57	23.98
DFT-S 256QAM	16.68	19.29	23.98
CP QPSK	19.55	22.16	23.98

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm/5MHz)

NR Band 30						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		461500	462000	462500
		Frequence (MHz)		2307.5	2310	2312.5
5M	DFT-S PI/2 BPSK	1	1	21.11	21.18	21.13
5M	DFT-S QPSK	1	1	21.19	21.23	21.12
		1	13	21.18	21.19	21.04
		1	23	21.20	21.22	21.10
		12	0	20.11	20.18	20.02
		12	7	21.17	21.20	21.10
		12	13	20.16	20.20	20.12
		25	0	20.22	20.18	20.09
5M	DFT-S 16QAM	1	1	20.13	20.18	20.11
5M	DFT-S 64QAM	1	1	18.77	18.90	18.73
5M	DFT-S 256QAM	1	1	16.58	16.62	16.51
5M	CP QPSK	1	1	19.47	19.50	19.38

EIRP Power (dBm/5MHz)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	21.18	23.79	33.01
DFT-S QPSK	21.23	23.84	33.01
DFT-S 16QAM	20.18	22.79	33.01
DFT-S 64QAM	18.90	21.51	33.01
DFT-S 256QAM	16.62	19.23	33.01
CP QPSK	19.50	22.11	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.6 NR n38 SCS 30 kHz (SISO)

Conducted Output Power (dBm)

NR Band 38						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		518000	519000	520000
		Frequence (MHz)		2590	2595	2600
40M	DFT-S PI/2 BPSK	1	1	23.92	23.93	24.03
40M	DFT-S QPSK	1	1	23.98	24.07	24.06
		1	53	23.95	24.01	23.99
		1	104	23.85	23.97	23.90
		50	0	22.95	23.11	23.02
		50	28	23.91	24.03	24.01
		50	56	23.01	23.07	23.01
		100	0	23.09	23.14	23.10
40M	DFT-S 16QAM	1	1	22.87	22.98	22.95
40M	DFT-S 64QAM	1	1	21.41	21.57	21.50
40M	DFT-S 256QAM	1	1	19.16	19.18	19.17
40M	CP QPSK	1	1	22.47	22.52	22.52

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	24.03	24.62	33.01
DFT-S QPSK	24.07	24.66	33.01
DFT-S 16QAM	22.98	23.57	33.01
DFT-S 64QAM	21.57	22.16	33.01
DFT-S 256QAM	19.18	19.77	33.01
CP QPSK	22.52	23.11	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 38						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		517000	519000	521000
		Frequence (MHz)		2585	2595	2605
30M	DFT-S PI/2 BPSK	1	1	23.84	23.92	23.82
30M	DFT-S QPSK	1	1	23.81	23.93	23.94
		1	39	23.77	23.91	23.84
		1	76	23.83	23.87	23.78
		36	0	22.87	23.02	22.89
		36	21	23.87	23.94	23.97
		36	42	22.95	23.01	22.85
		75	0	22.94	23.01	23.01
30M	DFT-S 16QAM	1	1	22.83	22.88	22.81
30M	DFT-S 64QAM	1	1	21.32	21.44	21.46
30M	DFT-S 256QAM	1	1	18.95	18.96	18.97
30M	CP QPSK	1	1	22.33	22.40	22.39

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	23.92	24.51	33.01
DFT-S QPSK	23.97	24.56	33.01
DFT-S 16QAM	22.88	23.47	33.01
DFT-S 64QAM	21.46	22.05	33.01
DFT-S 256QAM	18.97	19.56	33.01
CP QPSK	22.40	22.99	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 38						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		516000	519000	522000
		Frequence (MHz)		2580	2595	2610
20M	DFT-S PI/2 BPSK	1	1	23.79	23.84	23.98
20M	DFT-S QPSK	1	1	23.84	23.99	23.93
		1	26	23.74	23.91	23.90
		1	49	23.69	23.90	23.88
		25	0	22.89	22.92	22.94
		25	13	23.83	23.92	23.93
		25	26	22.91	22.96	22.95
		50	0	23.07	23.07	23.02
20M	DFT-S 16QAM	1	1	22.80	22.88	22.88
20M	DFT-S 64QAM	1	1	21.37	21.42	21.39
20M	DFT-S 256QAM	1	1	18.97	19.02	19.02
20M	CP QPSK	1	1	22.41	22.38	22.39

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	23.98	24.57	33.01
DFT-S QPSK	23.99	24.58	33.01
DFT-S 16QAM	22.88	23.47	33.01
DFT-S 64QAM	21.42	22.01	33.01
DFT-S 256QAM	19.02	19.61	33.01
CP QPSK	22.41	23.00	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.7 NR n38 SCS 30 kHz (MIMO)

Conducted Output Power (dBm)

NR Band 38												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		518000			519000			520000		
		Frequence (MHz)		2590			2595			2600		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
40M	CP QPSK	1	1	18.33	18.77	21.57	18.22	18.47	21.36	18.35	18.75	21.56
		1	53	18.23	18.67	21.47	18.08	18.58	21.35	18.21	18.49	21.36
		1	104	18.31	18.72	21.53	18.17	18.62	21.41	18.25	18.56	21.42
		50	0	16.76	17.14	19.96	16.66	17.09	19.89	16.62	17.14	19.90
		50	28	18.39	18.61	21.51	18.38	18.52	21.46	18.34	18.50	21.43
		50	56	16.78	17.25	20.03	16.69	17.06	19.89	16.61	17.19	19.92
		100	0	16.79	17.19	20.00	16.66	17.01	19.85	16.71	17.06	19.90
40M	CP 16QAM	1	1	18	18.14	21.08	17.87	18.02	20.96	17.85	18.01	20.94
40M	CP 64QAM	1	1	16.33	16.75	19.56	16.17	16.57	19.38	16.26	16.52	19.40
40M	CP 256QAM	1	1	13.19	13.83	16.53	13.01	13.67	16.36	13.02	13.79	16.43

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	21.57	22.16	33.01
CP 16QAM	21.08	21.67	33.01
CP 64QAM	19.56	20.15	33.01
CP 256QAM	16.53	17.12	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 38												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		517000			519000			521000		
		Frequence (MHz)		2585			2595			2605		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
30M	CP QPSK	1	1	18.24	18.70	21.49	18.27	18.71	21.51	18.28	18.72	21.52
		1	39	18.18	18.61	21.41	18.21	18.57	21.40	18.23	18.62	21.44
		1	76	18.26	18.69	21.49	18.22	18.64	21.45	18.24	18.67	21.47
		36	0	16.71	17.04	19.89	16.71	17.07	19.90	16.70	17.09	19.91
		36	21	18.32	18.57	21.46	18.31	18.51	21.42	18.37	18.54	21.47
		36	42	16.70	17.20	19.97	16.75	17.18	19.98	16.75	17.15	19.96
		75	0	16.79	17.10	19.96	16.69	17.10	19.91	16.79	17.18	20.00
30M	CP 16QAM	1	1	17.91	18.14	21.04	17.90	18.09	21.01	18.00	18.05	21.04
30M	CP 64QAM	1	1	16.26	16.75	19.52	16.29	16.70	19.51	16.25	16.65	19.46
30M	CP 256QAM	1	1	13.19	13.74	16.48	13.14	13.80	16.49	13.10	13.76	16.45

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	21.52	22.11	33.01
CP 16QAM	21.04	21.63	33.01
CP 64QAM	19.52	20.11	33.01
CP 256QAM	16.49	17.08	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 38												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		516000			519000			522000		
		Frequence (MHz)		2580			2595			2610		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
20M	CP QPSK	1	1	18.24	18.77	21.52	18.30	18.67	21.50	18.23	18.77	21.52
		1	26	18.15	18.66	21.42	18.15	18.67	21.43	18.15	18.66	21.42
		1	49	18.31	18.67	21.50	18.23	18.64	21.45	18.27	18.71	21.51
		25	0	16.72	17.09	19.92	16.70	17.06	19.89	16.76	17.14	19.96
		25	13	18.39	18.58	21.50	18.29	18.57	21.44	18.35	18.61	21.49
		25	26	16.76	17.16	19.97	16.72	17.24	20.00	16.74	17.19	19.98
		50	0	16.75	17.15	19.96	16.71	17.15	19.95	16.75	17.19	19.99
20M	CP 16QAM	1	1	17.98	18.07	21.04	17.93	18.11	21.03	17.98	18.10	21.05
20M	CP 64QAM	1	1	16.27	16.73	19.52	16.29	16.70	19.51	16.24	16.66	19.47
20M	CP 256QAM	1	1	13.18	13.76	16.49	13.17	13.74	16.47	13.16	13.73	16.46

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	21.52	22.11	33.01
CP 16QAM	21.05	21.64	33.01
CP 64QAM	19.52	20.11	33.01
CP 256QAM	16.49	17.08	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.8 NR n41 SCS 30 kHz (SISO)

Conducted Output Power (dBm)

NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		509202	518598	528000
		Frequence (MHz)		2546.01	2592.99	2640
100M	DFT-S PI/2 BPSK	1	1	25.81	25.92	25.88
100M	DFT-S QPSK	1	1	25.89	26.03	25.97
		1	137	25.83	25.98	25.93
		1	271	26.30	26.62	26.52
		135	0	24.87	25.07	25.06
		135	69	25.85	26.02	26.01
		135	138	24.86	25.06	25.00
		270	0	24.75	25.13	24.87
100M	DFT-S 16QAM	1	1	24.89	25.02	25.03
100M	DFT-S 64QAM	1	1	23.38	23.43	23.39
100M	DFT-S 256QAM	1	1	21.63	21.76	21.75
100M	CP QPSK	1	1	24.38	24.46	24.55

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	25.92	27.29	33.01
DFT-S QPSK	26.62	27.99	33.01
DFT-S 16QAM	25.03	26.40	33.01
DFT-S 64QAM	23.43	24.80	33.01
DFT-S 256QAM	21.76	23.13	33.01
CP QPSK	24.55	25.92	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		508200	518598	528996
		Frequence (MHz)		2541	2592.99	2644.98
90M	DFT-S PI/2 BPSK	1	1	25.76	25.92	25.88
90M	DFT-S QPSK	1	1	25.80	26.00	25.89
		1	123	25.73	25.98	25.91
		1	243	26.20	26.61	26.49
		120	0	24.87	24.99	25.00
		120	63	25.80	25.94	26.00
		120	125	24.83	25.04	24.97
		243	0	24.74	24.85	24.79
90M	DFT-S 16QAM	1	1	24.86	25.03	24.88
90M	DFT-S 64QAM	1	1	23.30	23.45	23.41
90M	DFT-S 256QAM	1	1	21.59	21.70	21.68
90M	CP QPSK	1	1	24.31	24.54	24.53

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	25.92	27.29	33.01
DFT-S QPSK	26.61	27.98	33.01
DFT-S 16QAM	25.03	26.40	33.01
DFT-S 64QAM	23.45	24.82	33.01
DFT-S 256QAM	21.70	23.07	33.01
CP QPSK	24.54	25.91	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		507204	518598	529998
		Frequence (MHz)		2536.02	2592.99	2649.99
80M	DFT-S PI/2 BPSK	1	1	25.67	25.83	25.74
80M	DFT-S QPSK	1	1	25.79	25.91	25.90
		1	109	25.73	25.92	25.88
		1	215	26.18	26.44	26.47
		108	0	24.75	24.97	24.94
		108	55	25.68	25.99	25.92
		108	109	24.72	24.98	24.92
		216	0	24.73	24.86	24.79
80M	DFT-S 16QAM	1	1	24.74	24.95	24.87
80M	DFT-S 64QAM	1	1	23.20	23.43	23.36
80M	DFT-S 256QAM	1	1	21.57	21.72	21.63
80M	CP QPSK	1	1	24.26	24.51	24.51

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	25.83	27.20	33.01
DFT-S QPSK	26.47	27.84	33.01
DFT-S 16QAM	24.95	26.32	33.01
DFT-S 64QAM	23.43	24.80	33.01
DFT-S 256QAM	21.72	23.09	33.01
CP QPSK	24.51	25.88	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		505200	518598	531996
		Frequence (MHz)		2526	2592.99	2659.98
60M	DFT-S PI/2 BPSK	1	1	25.63	25.79	25.78
60M	DFT-S QPSK	1	1	25.71	25.83	25.88
		1	81	25.76	25.76	25.84
		1	160	26.15	26.55	26.44
		81	0	24.72	24.88	24.96
		81	41	25.74	25.87	25.82
		81	81	24.74	24.88	24.77
		162	0	24.60	24.81	24.82
60M	DFT-S 16QAM	1	1	24.72	24.80	24.86
60M	DFT-S 64QAM	1	1	23.22	23.28	23.39
60M	DFT-S 256QAM	1	1	21.51	21.68	21.62
60M	CP QPSK	1	1	24.28	24.38	24.39

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	25.79	27.16	33.01
DFT-S QPSK	26.55	27.92	33.01
DFT-S 16QAM	24.86	26.23	33.01
DFT-S 64QAM	23.39	24.76	33.01
DFT-S 256QAM	21.68	23.05	33.01
CP QPSK	24.39	25.76	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		504204	518598	532998
		Frequence (MHz)		2521.02	2592.99	2664.99
50M	DFT-S PI/2 BPSK	1	1	25.56	25.85	25.71
50M	DFT-S QPSK	1	1	25.67	25.84	25.90
		1	67	25.75	25.77	25.84
		1	131	26.17	26.42	26.37
		64	0	24.67	24.86	24.87
		64	35	25.67	25.87	25.86
		64	69	24.71	24.84	24.71
		128	0	24.63	24.85	24.72
50M	DFT-S 16QAM	1	1	24.60	24.82	24.89
50M	DFT-S 64QAM	1	1	23.15	23.24	23.26
50M	DFT-S 256QAM	1	1	21.40	21.50	21.62
50M	CP QPSK	1	1	24.25	24.36	24.39

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	25.85	27.22	33.01
DFT-S QPSK	26.42	27.79	33.01
DFT-S 16QAM	24.89	26.26	33.01
DFT-S 64QAM	23.26	24.63	33.01
DFT-S 256QAM	21.62	22.99	33.01
CP QPSK	24.39	25.76	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		503202	518598	534000
		Frequence (MHz)		2516.01	2592.99	2670
40M	DFT-S PI/2 BPSK	1	1	25.68	25.84	25.64
40M	DFT-S QPSK	1	1	25.73	25.80	25.86
		1	53	25.71	25.70	25.78
		1	104	26.19	26.38	26.31
		50	0	24.70	24.76	24.96
		50	28	25.68	25.79	25.79
		50	56	24.67	24.94	24.71
		100	0	24.69	24.80	24.65
40M	DFT-S 16QAM	1	1	24.64	24.82	24.88
40M	DFT-S 64QAM	1	1	23.26	23.21	23.24
40M	DFT-S 256QAM	1	1	21.49	21.55	21.61
40M	CP QPSK	1	1	24.19	24.35	24.46

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	25.84	27.21	33.01
DFT-S QPSK	26.38	27.75	33.01
DFT-S 16QAM	24.88	26.25	33.01
DFT-S 64QAM	23.26	24.63	33.01
DFT-S 256QAM	21.61	22.98	33.01
CP QPSK	24.46	25.83	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		502200	518598	534996
		Frequence (MHz)		2511	2592.99	2674.98
30M	DFT-S PI/2 BPSK	1	1	25.50	25.65	25.76
30M	DFT-S QPSK	1	1	25.65	25.68	25.87
		1	39	25.58	25.68	25.68
		1	76	26.12	26.38	26.16
		36	0	24.56	24.75	24.85
		36	21	25.69	25.71	25.69
		36	42	24.67	24.68	24.73
		75	0	24.59	24.66	24.76
30M	DFT-S 16QAM	1	1	24.69	24.66	24.83
30M	DFT-S 64QAM	1	1	23.07	23.18	23.28
30M	DFT-S 256QAM	1	1	21.50	21.51	21.51
30M	CP QPSK	1	1	24.06	24.29	24.37

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	25.76	27.13	33.01
DFT-S QPSK	26.38	27.75	33.01
DFT-S 16QAM	24.83	26.20	33.01
DFT-S 64QAM	23.28	24.65	33.01
DFT-S 256QAM	21.51	22.88	33.01
CP QPSK	24.37	25.74	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		501204	518598	535998
		Frequence (MHz)		2506.02	2592.99	2679.99
20M	DFT-S PI/2 BPSK	1	1	25.52	25.65	25.74
20M	DFT-S QPSK	1	1	25.59	25.65	25.87
		1	26	25.54	25.60	25.74
		1	49	26.06	26.34	26.10
		25	0	24.45	24.70	24.81
		25	13	25.70	25.64	25.66
		25	26	24.57	24.72	24.64
		50	0	24.49	24.59	24.72
20M	DFT-S 16QAM	1	1	24.62	24.61	24.81
20M	DFT-S 64QAM	1	1	23.11	23.18	23.16
20M	DFT-S 256QAM	1	1	21.42	21.50	21.49
20M	CP QPSK	1	1	23.95	24.26	24.31

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	25.74	27.11	33.01
DFT-S QPSK	26.34	27.71	33.01
DFT-S 16QAM	24.81	26.18	33.01
DFT-S 64QAM	23.18	24.55	33.01
DFT-S 256QAM	21.50	22.87	33.01
CP QPSK	24.31	25.68	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.9 NR n41 SCS 30 kHz (MIMO)

Conducted Output Power (dBm)

NR Band 41												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		509202			518598			528000		
		Frequence (MHz)		2546.01			2592.99			2640		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
100M	CP QPSK	1	1	20.07	19.77	22.93	19.99	19.69	22.85	20.47	20.07	23.28
		1	137	19.27	19.06	22.18	19.33	19.61	22.48	19.43	19.61	22.53
		1	271	19.36	19.53	22.46	19.58	19.75	22.68	20.07	19.77	22.93
		135	0	17.86	18.00	20.94	17.89	17.92	20.92	17.94	18.02	20.99
		135	69	19.87	19.60	22.75	19.90	19.57	22.75	19.92	19.62	22.78
		135	138	18.65	18.26	21.47	18.66	18.26	21.47	18.68	18.33	21.52
		270	0	18.32	18.08	21.21	18.33	18.11	21.23	18.35	18.11	21.24
100M	CP 16QAM	1	1	18.89	18.87	21.89	18.94	18.84	21.90	18.97	18.94	21.97
100M	CP 64QAM	1	1	17.41	17.56	20.50	17.40	17.57	20.50	17.49	17.61	20.56
100M	CP 256QAM	1	1	14.53	14.58	17.57	14.45	14.62	17.55	14.55	14.67	17.62

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	23.28	24.65	33.01
CP 16QAM	21.97	23.34	33.01
CP 64QAM	20.56	21.93	33.01
CP 256QAM	17.62	18.99	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 41												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		508200			518598			528996		
		Frequence (MHz)		2541			2592.99			2644.98		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
90M	CP QPSK	1	1	20.44	19.99	23.23	19.92	19.77	22.86	20.46	19.97	23.23
		1	123	19.41	19.59	22.51	19.28	19.52	22.41	19.39	19.61	22.51
		1	243	20.03	19.70	22.88	19.32	19.54	22.44	20.02	19.67	22.86
		120	0	17.87	17.94	20.92	17.86	17.91	20.90	17.94	17.95	20.96
		120	63	19.87	19.56	22.73	19.85	19.54	22.71	19.89	19.58	22.75
		120	125	18.62	18.33	21.49	18.53	18.31	21.43	18.66	18.32	21.50
		243	0	18.25	18.02	21.15	18.26	17.99	21.14	18.32	18.01	21.18
90M	CP 16QAM	1	1	18.95	18.98	21.98	18.87	18.90	21.90	18.93	19.06	22.01
90M	CP 64QAM	1	1	17.43	17.10	20.28	17.32	17.52	20.43	17.42	17.04	20.24
90M	CP 256QAM	1	1	14.50	15.20	17.87	14.47	14.57	17.53	14.50	15.21	17.88

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	23.23	24.60	33.01
CP 16QAM	22.01	23.38	33.01
CP 64QAM	20.43	21.80	33.01
CP 256QAM	17.88	19.25	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 41												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		507204			518598			529998		
		Frequence (MHz)		2536.02			2592.99			2649.99		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
80M	CP QPSK	1	1	20.47	20.03	23.27	20.45	20.06	23.27	20.41	20.01	23.22
		1	109	19.41	19.51	22.47	19.37	19.59	22.49	19.35	19.54	22.46
		1	215	19.99	19.72	22.87	20.07	19.67	22.88	20.06	19.71	22.90
		108	0	17.91	17.98	20.96	17.90	17.99	20.96	17.93	17.92	20.94
		108	55	19.88	19.59	22.75	19.88	19.55	22.73	19.88	19.60	22.75
		108	109	18.65	18.27	21.47	18.64	18.32	21.49	18.59	18.23	21.42
		216	0	18.26	18.08	21.18	18.30	18.10	21.21	18.31	18.08	21.21
80M	CP 16QAM	1	1	18.93	18.97	21.96	18.88	19.03	21.97	18.93	19.01	21.98
80M	CP 64QAM	1	1	17.39	17.05	20.23	17.44	17.01	20.24	17.43	17.08	20.27
80M	CP 256QAM	1	1	14.45	15.18	17.84	14.46	15.21	17.86	14.54	15.20	17.89

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	23.27	24.64	33.01
CP 16QAM	21.98	23.35	33.01
CP 64QAM	20.27	21.64	33.01
CP 256QAM	17.89	19.26	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 41												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		505200			518598			531996		
		Frequence (MHz)		2526			2592.99			2659.98		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
60M	CP QPSK	1	1	20.37	20.01	23.20	20.42	20.05	23.25	20.41	20.06	23.25
		1	81	19.33	19.54	22.45	19.43	19.58	22.52	19.33	19.59	22.47
		1	160	20.03	19.73	22.89	20.07	19.67	22.88	19.99	19.69	22.85
		81	0	17.87	17.93	20.91	17.92	18.01	20.98	17.85	17.93	20.90
		81	41	19.89	19.53	22.72	19.92	19.52	22.73	19.90	19.57	22.75
		81	81	18.60	18.24	21.43	18.58	18.28	21.44	18.59	18.29	21.45
		162	0	18.26	18.04	21.16	18.26	18.03	21.16	18.35	18.10	21.24
60M	CP 16QAM	1	1	18.93	19.04	22.00	18.97	18.99	21.99	18.97	18.97	21.98
60M	CP 64QAM	1	1	17.41	17.02	20.23	17.48	17.04	20.28	17.44	17.08	20.27
60M	CP 256QAM	1	1	14.45	15.26	17.88	14.47	15.18	17.85	14.53	15.27	17.93

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	23.25	24.62	33.01
CP 16QAM	22.00	23.37	33.01
CP 64QAM	20.28	21.65	33.01
CP 256QAM	17.93	19.30	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 41												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		504204			518598			532998		
		Frequence (MHz)		2521.02			2592.99			2664.99		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
50M	CP QPSK	1	1	20.42	19.98	23.22	20.43	20.03	23.24	20.44	20.01	23.24
		1	67	19.34	19.58	22.47	19.35	19.58	22.48	19.36	19.54	22.46
		1	131	19.97	19.75	22.87	20.01	19.76	22.90	20.04	19.70	22.88
		64	0	17.89	17.95	20.93	17.86	17.93	20.91	17.94	18.01	20.99
		64	35	19.85	19.60	22.74	19.83	19.52	22.69	19.89	19.57	22.74
		64	69	18.65	18.29	21.48	18.68	18.25	21.48	18.65	18.26	21.47
		128	0	18.29	18.03	21.17	18.26	18.02	21.15	18.33	18.08	21.22
50M	CP 16QAM	1	1	18.97	19.05	22.02	18.89	18.97	21.94	18.93	19.07	22.01
50M	CP 64QAM	1	1	17.39	17.03	20.22	17.44	17.08	20.27	17.39	17.04	20.23
50M	CP 256QAM	1	1	14.52	15.26	17.92	14.46	15.27	17.89	14.47	15.25	17.89

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	23.24	24.61	33.01
CP 16QAM	22.02	23.39	33.01
CP 64QAM	20.27	21.64	33.01
CP 256QAM	17.92	19.29	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 41												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		503202			518598			534000		
		Frequence (MHz)		2516.01			2592.99			2670		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
40M	CP QPSK	1	1	20.43	20.04	23.25	20.45	20.05	23.26	20.43	19.98	23.22
		1	53	19.38	19.56	22.48	19.39	19.52	22.47	19.42	19.56	22.50
		1	104	20.03	19.73	22.89	20.06	19.68	22.88	20.07	19.77	22.93
		50	0	17.86	18.01	20.95	17.89	18.02	20.97	17.84	17.94	20.90
		50	28	19.87	19.56	22.73	19.86	19.53	22.71	19.88	19.54	22.72
		50	56	18.58	18.31	21.46	18.67	18.27	21.48	18.64	18.27	21.47
		100	0	18.27	18.05	21.17	18.35	18.09	21.23	18.29	18.01	21.16
40M	CP 16QAM	1	1	18.97	19.05	22.02	18.90	19.03	21.98	18.97	18.97	21.98
40M	CP 64QAM	1	1	17.42	17.04	20.24	17.47	17.01	20.26	17.49	17.01	20.27
40M	CP 256QAM	1	1	14.55	15.17	17.88	14.45	15.24	17.87	14.49	15.19	17.86

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	23.26	24.63	33.01
CP 16QAM	22.02	23.39	33.01
CP 64QAM	20.27	21.64	33.01
CP 256QAM	17.88	19.25	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 41												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		502200			518598			534996		
		Frequence (MHz)		2511			2592.99			2674.98		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
30M	CP QPSK	1	1	20.40	20.01	23.22	20.42	20.02	23.23	20.40	19.95	23.19
		1	39	19.35	19.53	22.45	19.36	19.49	22.44	19.39	19.53	22.47
		1	76	20.00	19.70	22.86	20.03	19.65	22.85	20.04	19.74	22.90
		36	0	17.83	17.98	20.92	17.86	17.99	20.94	17.81	17.91	20.87
		36	21	19.84	19.53	22.70	19.83	19.50	22.68	19.85	19.51	22.69
		36	42	18.55	18.28	21.43	18.64	18.24	21.45	18.61	18.24	21.44
		75	0	18.24	18.02	21.14	18.32	18.06	21.20	18.26	17.98	21.13
30M	CP 16QAM	1	1	18.94	19.02	21.99	18.87	19.00	21.95	18.94	18.94	21.95
30M	CP 64QAM	1	1	17.39	17.01	20.21	17.44	16.98	20.23	17.46	16.98	20.24
30M	CP 256QAM	1	1	14.52	15.14	17.85	14.42	15.21	17.84	14.46	15.16	17.83

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	23.23	24.60	33.01
CP 16QAM	21.99	23.36	33.01
CP 64QAM	20.24	21.61	33.01
CP 256QAM	17.85	19.22	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 41												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		501204			518598			535998		
		Frequence (MHz)		2506.02			2592.99			2679.99		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
20M	CP QPSK	1	1	20.43	20.05	23.25	20.46	19.99	23.24	20.45	20.04	23.26
		1	26	19.38	19.58	22.49	19.37	19.61	22.50	19.43	19.56	22.51
		1	49	20.07	19.67	22.88	20.04	19.69	22.88	20.06	19.67	22.88
		25	0	17.90	17.98	20.95	17.85	17.93	20.90	17.91	18.02	20.98
		25	13	19.92	19.60	22.77	19.85	19.61	22.74	19.87	19.55	22.72
		25	26	18.66	18.31	21.50	18.66	18.26	21.47	18.58	18.23	21.42
		50	0	18.27	18.02	21.16	18.27	18.09	21.19	18.31	18.03	21.18
20M	CP 16QAM	1	1	18.96	19.06	22.02	18.87	19.01	21.95	18.97	19.01	22.00
20M	CP 64QAM	1	1	17.48	17.08	20.29	17.49	17.03	20.28	17.42	17.02	20.23
20M	CP 256QAM	1	1	14.52	15.22	17.89	14.49	15.22	17.88	14.55	15.21	17.90

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	23.26	24.63	33.01
CP 16QAM	22.02	23.39	33.01
CP 64QAM	20.29	21.66	33.01
CP 256QAM	17.90	19.27	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

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Conducted Output Power (dBm)

NR Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		345000	349000	353000
		Frequence (MHz)		1725	1745	1765
30M	DFT-S PI/2 BPSK	1	1	22.97	22.75	22.85
30M	DFT-S QPSK	1	1	22.99	22.78	22.86
		1	80	22.88	22.73	22.85
		1	158	22.72	22.67	22.68
		80	0	21.96	21.89	21.95
		80	40	22.91	22.82	22.87
		80	80	21.93	21.88	21.92
		160	0	21.95	21.87	21.93
30M	DFT-S 16QAM	1	1	21.93	21.77	21.87
30M	DFT-S 64QAM	1	1	20.67	20.62	20.66
30M	DFT-S 256QAM	1	1	18.56	18.51	18.47
30M	CP QPSK	1	1	21.45	21.37	21.44

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	22.97	25.27	30
DFT-S QPSK	22.99	25.29	30
DFT-S 16QAM	21.93	24.23	30
DFT-S 64QAM	20.67	22.97	30
DFT-S 256QAM	18.56	20.86	30
CP QPSK	21.45	23.75	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		344000	349000	354000
		Frequence (MHz)		1720	1745	1770
20M	DFT-S PI/2 BPSK	1	1	22.87	22.56	22.66
20M	DFT-S QPSK	1	1	22.74	22.64	22.67
		1	53	22.60	22.49	22.59
		1	104	22.55	22.52	22.63
		50	0	21.67	21.63	21.66
		50	28	22.68	22.56	22.71
		50	56	21.67	21.71	21.67
		100	0	21.79	21.54	21.79
20M	DFT-S 16QAM	1	1	21.67	21.50	21.68
20M	DFT-S 64QAM	1	1	20.47	20.49	20.35
20M	DFT-S 256QAM	1	1	18.41	18.39	18.32
20M	CP QPSK	1	1	21.30	21.17	21.31

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	22.87	25.17	30
DFT-S QPSK	22.74	25.04	30
DFT-S 16QAM	21.68	23.98	30
DFT-S 64QAM	20.49	22.79	30
DFT-S 256QAM	18.41	20.71	30
CP QPSK	21.31	23.61	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		343500	349000	354500
		Frequence (MHz)		1717.5	1745	1772.5
15M	DFT-S PI/2 BPSK	1	1	22.88	22.62	22.78
15M	DFT-S QPSK	1	1	22.87	22.71	22.71
		1	40	22.75	22.56	22.65
		1	77	22.58	22.66	22.64
		36	0	21.83	21.76	21.84
		36	22	22.71	22.60	22.83
		36	43	21.86	21.79	21.83
		75	0	21.78	21.71	21.79
15M	DFT-S 16QAM	1	1	21.86	21.56	21.82
15M	DFT-S 64QAM	1	1	20.48	20.43	20.61
15M	DFT-S 256QAM	1	1	18.35	18.43	18.27
15M	CP QPSK	1	1	21.32	21.29	21.40

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	22.88	25.18	30
DFT-S QPSK	22.87	25.17	30
DFT-S 16QAM	21.86	24.16	30
DFT-S 64QAM	20.61	22.91	30
DFT-S 256QAM	18.43	20.73	30
CP QPSK	21.40	23.70	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		343000	349000	355000
		Frequence (MHz)		1715	1745	1775
10M	DFT-S PI/2 BPSK	1	1	22.86	22.64	22.61
10M	DFT-S QPSK	1	1	22.92	22.64	22.61
		1	26	22.71	22.59	22.64
		1	50	22.59	22.52	22.51
		25	0	21.84	21.74	21.89
		25	14	22.84	22.74	22.62
		25	27	21.75	21.67	21.83
		50	0	21.77	21.76	21.75
10M	DFT-S 16QAM	1	1	21.75	21.62	21.77
10M	DFT-S 64QAM	1	1	20.61	20.44	20.54
10M	DFT-S 256QAM	1	1	18.43	18.31	18.21
10M	CP QPSK	1	1	21.23	21.33	21.28

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	22.86	25.16	30
DFT-S QPSK	22.92	25.22	30
DFT-S 16QAM	21.77	24.07	30
DFT-S 64QAM	20.61	22.91	30
DFT-S 256QAM	18.43	20.73	30
CP QPSK	21.33	23.63	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		342500	349000	355500
		Frequence (MHz)		1712.5	1745	1777.5
5M	DFT-S PI/2 BPSK	1	1	22.90	22.60	22.78
5M	DFT-S QPSK	1	1	22.81	22.56	22.70
		1	13	22.71	22.56	22.65
		1	23	22.67	22.51	22.59
		12	0	21.76	21.82	21.74
		12	7	22.74	22.65	22.72
		12	13	21.75	21.66	21.81
		25	0	21.81	21.67	21.78
5M	DFT-S 16QAM	1	1	21.73	21.55	21.72
5M	DFT-S 64QAM	1	1	20.62	20.49	20.44
5M	DFT-S 256QAM	1	1	18.42	18.35	18.15
5M	CP QPSK	1	1	21.28	21.27	21.38

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	22.90	25.20	30
DFT-S QPSK	22.81	25.11	30
DFT-S 16QAM	21.73	24.03	30
DFT-S 64QAM	20.62	22.92	30
DFT-S 256QAM	18.42	20.72	30
CP QPSK	21.38	23.68	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

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Conducted Output Power (dBm)

NR Band 71						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		134600	136100	137600
		Frequence (MHz)		673	680.5	688
20M	DFT-S PI/2 BPSK	1	1	23.37	23.28	23.39
20M	DFT-S QPSK	1	1	23.41	23.35	23.43
		1	53	23.29	23.28	23.38
		1	104	23.35	23.27	23.37
		50	0	22.41	22.35	22.48
		50	28	23.31	23.27	23.41
		50	56	22.38	22.34	22.46
		100	0	22.30	22.28	22.39
20M	DFT-S 16QAM	1	1	22.27	22.17	22.35
20M	DFT-S 64QAM	1	1	21.02	20.92	21.03
20M	DFT-S 256QAM	1	1	18.86	18.71	18.93
20M	CP QPSK	1	1	21.92	21.86	21.98

ERP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	ERP (dBm)	ERP Limit (dBm)
DFT-S PI/2 BPSK	23.39	24.13	34.8
DFT-S QPSK	23.43	24.17	34.8
DFT-S 16QAM	22.35	23.09	34.8
DFT-S 64QAM	21.03	21.77	34.8
DFT-S 256QAM	18.93	19.67	34.8
CP QPSK	21.98	22.72	34.8

Note: ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

Conducted Output Power (dBm)

NR Band 71						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		134100	136100	138100
		Frequence (MHz)		670.5	680.5	690.5
15M	DFT-S PI/2 BPSK	1	1	23.31	23.21	23.36
15M	DFT-S QPSK	1	1	23.39	23.28	23.37
		1	40	23.20	23.19	23.28
		1	77	23.34	23.20	23.36
		36	0	22.38	22.35	22.41
		36	22	23.31	23.25	23.40
		36	43	22.38	22.25	22.39
		75	0	22.28	22.25	22.36
15M	DFT-S 16QAM	1	1	22.18	22.10	22.31
15M	DFT-S 64QAM	1	1	20.99	20.88	20.98
15M	DFT-S 256QAM	1	1	18.79	18.67	18.86
15M	CP QPSK	1	1	21.85	21.83	21.90

ERP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	ERP (dBm)	ERP Limit (dBm)
DFT-S PI/2 BPSK	23.36	24.10	34.8
DFT-S QPSK	23.40	24.14	34.8
DFT-S 16QAM	22.31	23.05	34.8
DFT-S 64QAM	20.99	21.73	34.8
DFT-S 256QAM	18.86	19.60	34.8
CP QPSK	21.90	22.64	34.8

Note: ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

Conducted Output Power (dBm)

NR Band 71						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133600	136100	138600
		Frequence (MHz)		668	680.5	693
10M	DFT-S PI/2 BPSK	1	1	23.21	23.13	23.24
10M	DFT-S QPSK	1	1	23.38	23.28	23.40
		1	26	23.12	23.16	23.19
		1	50	23.24	23.13	23.14
		25	0	22.26	22.28	22.36
		25	14	23.29	23.04	23.24
		25	27	22.19	22.20	22.38
		50	0	22.13	22.09	22.23
10M	DFT-S 16QAM	1	1	22.15	22.08	22.20
10M	DFT-S 64QAM	1	1	20.81	20.76	20.95
10M	DFT-S 256QAM	1	1	18.84	18.67	18.83
10M	CP QPSK	1	1	21.77	21.80	21.86

ERP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	ERP (dBm)	ERP Limit (dBm)
DFT-S PI/2 BPSK	23.24	23.98	34.8
DFT-S QPSK	23.40	24.14	34.8
DFT-S 16QAM	22.20	22.94	34.8
DFT-S 64QAM	20.95	21.69	34.8
DFT-S 256QAM	18.84	19.58	34.8
CP QPSK	21.86	22.60	34.8

Note: ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

Conducted Output Power (dBm)

NR Band 71						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133100	136100	139100
		Frequence (MHz)		665.5	680.5	695.5
5M	DFT-S PI/2 BPSK	1	1	23.20	23.21	23.16
5M	DFT-S QPSK	1	1	23.21	23.19	23.18
		1	13	23.14	23.16	23.05
		1	23	23.18	23.23	23.20
		12	0	22.38	22.32	22.41
		12	7	23.08	23.19	23.18
		12	13	22.19	22.14	22.26
		25	0	22.19	22.20	22.34
5M	DFT-S 16QAM	1	1	22.06	22.01	22.35
5M	DFT-S 64QAM	1	1	20.93	20.86	20.84
5M	DFT-S 256QAM	1	1	18.71	18.46	18.64
5M	CP QPSK	1	1	21.81	21.80	21.97

ERP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	ERP (dBm)	ERP Limit (dBm)
DFT-S PI/2 BPSK	23.21	23.95	34.8
DFT-S QPSK	23.23	23.97	34.8
DFT-S 16QAM	22.35	23.09	34.8
DFT-S 64QAM	20.93	21.67	34.8
DFT-S 256QAM	18.71	19.45	34.8
CP QPSK	21.97	22.71	34.8

Note: ERP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi) - 2.15

7.1.12 NR n77 (3450-3550 MHz) SCS 30 kHz (SISO)

Conducted Output Power (dBm)

NR Band 77				
BW	MCS Index	RB Size	RB Offset	Mid
		Channel		633334
		Frequence (MHz)		3500.01
100M	DFT-S PI/2 BPSK	1	1	26.52
100M	DFT-S QPSK	1	1	26.62
		1	137	26.53
		1	271	26.51
		135	0	25.64
		135	69	26.57
		135	138	25.55
		270	0	25.62
100M	DFT-S 16QAM	1	1	25.79
100M	DFT-S 64QAM	1	1	24.06
100M	DFT-S 256QAM	1	1	22.05
100M	CP QPSK	1	1	25.16

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	26.52	28.67	30
DFT-S QPSK	26.62	28.77	30
DFT-S 16QAM	25.79	27.94	30
DFT-S 64QAM	24.06	26.21	30
DFT-S 256QAM	22.05	24.20	30
CP QPSK	25.16	27.31	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		633000	633334	633666
		Frequence (MHz)		3495	3500.01	3504.99
90M	DFT-S PI/2 BPSK	1	1	26.42	26.46	26.28
90M	DFT-S QPSK	1	1	26.57	26.56	26.49
		1	123	26.44	26.44	26.38
		1	243	26.51	26.42	26.40
		120	0	25.55	25.63	25.52
		120	63	26.53	26.47	26.53
		120	125	25.40	25.49	25.45
		243	0	25.50	25.61	25.45
90M	DFT-S 16QAM	1	1	25.69	25.75	25.70
90M	DFT-S 64QAM	1	1	23.99	24.01	23.95
90M	DFT-S 256QAM	1	1	21.87	21.98	21.85
90M	CP QPSK	1	1	25.02	25.12	25.00

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	26.46	28.61	30
DFT-S QPSK	26.57	28.72	30
DFT-S 16QAM	25.75	27.90	30
DFT-S 64QAM	24.01	26.16	30
DFT-S 256QAM	21.98	24.13	30
CP QPSK	25.12	27.27	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632668	633334	634000
		Frequence (MHz)		3490.02	3500.01	3510
80M	DFT-S PI/2 BPSK	1	1	26.32	26.41	26.17
80M	DFT-S QPSK	1	1	26.44	26.54	26.48
		1	109	26.34	26.49	26.30
		1	215	26.28	26.43	26.43
		108	0	25.42	25.41	25.36
		108	55	26.46	26.54	26.46
		108	109	25.43	25.43	25.32
		216	0	25.38	25.53	25.50
80M	DFT-S 16QAM	1	1	25.73	25.72	25.62
80M	DFT-S 64QAM	1	1	23.82	23.93	23.85
80M	DFT-S 256QAM	1	1	21.91	21.93	21.81
80M	CP QPSK	1	1	25.09	25.05	24.78

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	26.41	28.56	30
DFT-S QPSK	26.54	28.69	30
DFT-S 16QAM	25.73	27.88	30
DFT-S 64QAM	23.93	26.08	30
DFT-S 256QAM	21.93	24.08	30
CP QPSK	25.09	27.24	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		632000	633334	634666
		Frequence (MHz)		3480	3500.01	3519.99
60M	DFT-S PI/2 BPSK	1	1	26.31	26.38	26.22
60M	DFT-S QPSK	1	1	26.45	26.43	26.47
		1	81	26.34	26.40	26.34
		1	160	26.35	26.38	26.29
		81	0	25.50	25.54	25.40
		81	41	26.45	26.41	26.35
		81	81	25.27	25.42	25.26
		162	0	25.52	25.47	25.34
60M	DFT-S 16QAM	1	1	25.65	25.57	25.57
60M	DFT-S 64QAM	1	1	23.83	23.82	23.92
60M	DFT-S 256QAM	1	1	21.72	21.88	21.77
60M	CP QPSK	1	1	25.02	25.03	24.86

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	26.38	28.53	30
DFT-S QPSK	26.47	28.62	30
DFT-S 16QAM	25.65	27.80	30
DFT-S 64QAM	23.92	26.07	30
DFT-S 256QAM	21.88	24.03	30
CP QPSK	25.03	27.18	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631334	633334	635332
		Frequence (MHz)		3470.01	3500.01	3529.98
40M	DFT-S PI/2 BPSK	1	1	26.35	26.35	26.11
40M	DFT-S QPSK	1	1	26.42	26.50	26.32
		1	53	26.28	26.28	26.26
		1	104	26.35	26.32	26.24
		50	0	25.37	25.45	25.42
		50	28	26.28	26.36	26.33
		50	56	25.27	25.43	25.18
		100	0	25.36	25.43	25.30
40M	DFT-S 16QAM	1	1	25.52	25.69	25.59
40M	DFT-S 64QAM	1	1	23.89	23.95	23.93
40M	DFT-S 256QAM	1	1	21.72	21.85	21.70
40M	CP QPSK	1	1	24.98	24.85	24.93

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	26.35	28.50	30
DFT-S QPSK	26.50	28.65	30
DFT-S 16QAM	25.69	27.84	30
DFT-S 64QAM	23.95	26.10	30
DFT-S 256QAM	21.85	24.00	30
CP QPSK	24.98	27.13	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		631000	633334	635666
		Frequence (MHz)		3465	3500.01	3534.99
30M	DFT-S PI/2 BPSK	1	1	26.23	26.40	26.06
30M	DFT-S QPSK	1	1	26.41	26.37	26.20
		1	39	26.16	26.14	26.13
		1	76	26.36	26.30	26.11
		36	0	25.24	25.30	25.33
		36	21	26.23	26.39	26.24
		36	42	25.14	25.39	25.22
		75	0	25.22	25.36	25.16
30M	DFT-S 16QAM	1	1	25.41	25.56	25.48
30M	DFT-S 64QAM	1	1	23.81	23.83	23.92
30M	DFT-S 256QAM	1	1	21.55	21.78	21.64
30M	CP QPSK	1	1	24.90	24.76	24.84

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	26.40	28.55	30
DFT-S QPSK	26.41	28.56	30
DFT-S 16QAM	25.56	27.71	30
DFT-S 64QAM	23.92	26.07	30
DFT-S 256QAM	21.78	23.93	30
CP QPSK	24.90	27.05	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630668	633334	636000
		Frequence (MHz)		3460.02	3500.01	3540
20M	DFT-S PI/2 BPSK	1	1	26.26	26.24	26.07
20M	DFT-S QPSK	1	1	26.36	26.41	26.30
		1	26	26.27	26.21	26.12
		1	49	26.39	26.19	26.17
		25	0	25.21	25.44	25.28
		25	13	26.25	26.41	26.26
		25	26	25.13	25.28	25.02
		50	0	25.26	25.40	25.21
20M	DFT-S 16QAM	1	1	25.49	25.55	25.43
20M	DFT-S 64QAM	1	1	23.80	23.80	23.88
20M	DFT-S 256QAM	1	1	21.50	21.82	21.71
20M	CP QPSK	1	1	24.95	24.72	24.74

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	26.26	28.41	30
DFT-S QPSK	26.41	28.56	30
DFT-S 16QAM	25.55	27.70	30
DFT-S 64QAM	23.88	26.03	30
DFT-S 256QAM	21.82	23.97	30
CP QPSK	24.95	27.10	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		630334	633334	636332
		Frequence (MHz)		3455.01	3500.01	3544.98
10M	DFT-S PI/2 BPSK	1	1	26.18	26.30	25.97
10M	DFT-S QPSK	1	1	26.24	26.28	26.26
		1	11	26.22	26.14	26.25
		1	22	26.25	26.28	26.11
		12	0	25.30	25.33	25.36
		12	6	26.17	26.22	26.20
		12	12	25.29	25.24	25.05
		24	0	25.26	25.36	25.18
10M	DFT-S 16QAM	1	1	25.45	25.51	25.42
10M	DFT-S 64QAM	1	1	23.66	23.80	23.87
10M	DFT-S 256QAM	1	1	21.52	21.81	21.68
10M	CP QPSK	1	1	24.80	24.74	24.85

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	26.30	28.45	30
DFT-S QPSK	26.28	28.43	30
DFT-S 16QAM	25.51	27.66	30
DFT-S 64QAM	23.87	26.02	30
DFT-S 256QAM	21.81	23.96	30
CP QPSK	24.85	27.00	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

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

Conducted Output Power (dBm)

NR Band 77						
BW	MCS Index	RB Size	RB Offset	Mid		
		Channel		633334		
		Frequence (MHz)		3500.01		
		TX Chain		TX1	TX2	Total
100M	CP QPSK	1	1	21.58	21.27	24.44
		1	137	21.03	21.17	24.11
		1	271	21.50	21.26	24.39
		135	0	19.62	19.52	22.58
		135	69	21.62	21.22	24.43
		135	138	20.38	19.86	23.14
		270	0	20.01	19.63	22.83
100M	CP 16QAM	1	1	20.6	20.48	23.55
100M	CP 64QAM	1	1	19.14	19.2	22.18
100M	CP 256QAM	1	1	16.21	16.25	19.24

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	24.44	26.59	30
CP 16QAM	23.55	25.70	30
CP 64QAM	22.18	24.33	30
CP 256QAM	19.24	21.39	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		633000			633334			633666		
		Frequence (MHz)		3495			3500.01			3504.99		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
90M	CP QPSK	1	1	21.51	21.17	24.35	21.55	21.19	24.38	21.56	21.25	24.42
		1	123	21.02	21.14	24.09	21.01	21.13	24.08	20.94	21.07	24.02
		1	243	21.49	21.26	24.39	21.44	21.23	24.35	21.45	21.23	24.35
		120	0	19.60	19.43	22.53	19.54	19.45	22.51	19.55	19.51	22.54
		120	63	21.54	21.21	24.39	21.59	21.19	24.40	21.54	21.20	24.38
		120	125	20.35	19.77	23.08	20.38	19.76	23.09	20.35	19.81	23.10
		243	0	19.92	19.58	22.76	19.93	19.58	22.77	19.98	19.53	22.77
90M	CP 16QAM	1	1	20.50	20.40	23.46	20.53	20.41	23.48	20.53	20.47	23.51
90M	CP 64QAM	1	1	19.08	19.16	22.13	19.05	19.18	22.13	19.04	19.12	22.09
90M	CP 256QAM	1	1	16.19	16.19	19.20	16.19	16.24	19.23	16.21	16.20	19.22

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	24.42	26.57	30
CP 16QAM	23.51	25.66	30
CP 64QAM	22.13	24.28	30
CP 256QAM	19.23	21.38	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		632668			633334			634000		
		Frequence (MHz)		3490.02			3500.01			3510		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
80M	CP QPSK	1	1	21.50	21.26	24.39	21.57	21.25	24.42	21.48	21.26	24.38
		1	109	20.96	21.10	24.04	20.99	21.17	24.09	20.94	21.13	24.05
		1	215	21.49	21.24	24.38	21.44	21.22	24.34	21.47	21.21	24.35
		108	0	19.53	19.50	22.53	19.62	19.49	22.57	19.56	19.42	22.50
		108	55	21.60	21.18	24.41	21.54	21.13	24.35	21.58	21.16	24.39
		108	109	20.38	19.79	23.11	20.33	19.82	23.09	20.35	19.81	23.10
		216	0	19.99	19.55	22.79	20.01	19.60	22.82	19.98	19.62	22.81
80M	CP 16QAM	1	1	20.57	20.40	23.50	20.50	20.47	23.50	20.54	20.47	23.52
80M	CP 64QAM	1	1	19.10	19.14	22.13	19.09	19.20	22.16	19.06	19.11	22.10
80M	CP 256QAM	1	1	16.12	16.25	19.20	16.15	16.19	19.18	16.14	16.23	19.20

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	24.42	26.57	30
CP 16QAM	23.52	25.67	30
CP 64QAM	22.16	24.31	30
CP 256QAM	19.20	21.35	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		632000			633334			634666		
		Frequence (MHz)		3480			3500.01			3519.99		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
60M	CP QPSK	1	1	21.51	21.19	24.36	21.54	21.18	24.37	21.53	21.24	24.40
		1	81	20.96	21.08	24.03	21.03	21.12	24.09	21.03	21.12	24.09
		1	160	21.47	21.20	24.35	21.50	21.16	24.34	21.44	21.22	24.34
		81	0	19.53	19.46	22.51	19.62	19.51	22.58	19.60	19.43	22.53
		81	41	21.56	21.18	24.38	21.54	21.20	24.38	21.59	21.12	24.37
		81	81	20.28	19.83	23.07	20.30	19.85	23.09	20.32	19.82	23.09
		162	0	19.99	19.56	22.79	19.93	19.62	22.79	19.93	19.57	22.76
60M	CP 16QAM	1	1	20.58	20.48	23.54	20.55	20.38	23.48	20.52	20.40	23.47
60M	CP 64QAM	1	1	19.05	19.20	22.14	19.05	19.10	22.09	19.06	19.12	22.10
60M	CP 256QAM	1	1	16.16	16.16	19.17	16.15	16.25	19.21	16.11	16.19	19.16

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	24.40	26.55	30
CP 16QAM	23.54	25.69	30
CP 64QAM	22.14	24.29	30
CP 256QAM	19.21	21.36	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		631334			633334			635332		
		Frequence (MHz)		3470.01			3500.01			3529.98		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
40M	CP QPSK	1	1	21.58	21.20	24.40	21.55	21.24	24.41	21.57	21.21	24.40
		1	53	21.00	21.08	24.05	21.00	21.17	24.10	20.98	21.17	24.09
		1	104	21.44	21.16	24.31	21.43	21.17	24.31	21.50	21.19	24.36
		50	0	19.53	19.47	22.51	19.60	19.46	22.54	19.56	19.46	22.52
		50	28	21.52	21.18	24.36	21.54	21.14	24.35	21.56	21.20	24.39
		50	56	20.35	19.79	23.09	20.31	19.86	23.10	20.36	19.86	23.13
		100	0	19.92	19.54	22.74	19.99	19.55	22.79	19.95	19.55	22.76
40M	CP 16QAM	1	1	20.55	20.41	23.49	20.59	20.40	23.51	20.58	20.44	23.52
40M	CP 64QAM	1	1	19.10	19.11	22.12	19.11	19.14	22.14	19.12	19.16	22.15
40M	CP 256QAM	1	1	16.21	16.18	19.21	16.11	16.15	19.14	16.14	16.23	19.20

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	24.41	26.56	30
CP 16QAM	23.52	25.67	30
CP 64QAM	22.15	24.30	30
CP 256QAM	19.21	21.36	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		631000			633334			635666		
		Frequence (MHz)		3465			3500.01			3534.99		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
30M	CP QPSK	1	1	21.54	21.25	24.41	21.50	21.17	24.35	21.49	21.27	24.39
		1	39	20.94	21.07	24.02	20.95	21.10	24.04	20.96	21.10	24.04
		1	76	21.50	21.23	24.38	21.47	21.23	24.36	21.44	21.21	24.34
		36	0	19.59	19.47	22.54	19.57	19.52	22.56	19.59	19.46	22.54
		36	21	21.58	21.19	24.40	21.62	21.16	24.41	21.54	21.18	24.37
		36	42	20.28	19.83	23.07	20.28	19.79	23.05	20.31	19.80	23.07
		75	0	19.97	19.62	22.81	20.00	19.63	22.83	19.97	19.58	22.79
30M	CP 16QAM	1	1	20.53	20.48	23.52	20.56	20.46	23.52	20.50	20.39	23.46
30M	CP 64QAM	1	1	19.07	19.13	22.11	19.11	19.12	22.13	19.04	19.14	22.10
30M	CP 256QAM	1	1	16.17	16.22	19.21	16.16	16.15	19.17	16.18	16.18	19.19

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	24.41	26.56	30
CP 16QAM	23.52	25.67	30
CP 64QAM	22.13	24.28	30
CP 256QAM	19.21	21.36	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		630668			633334			636000		
		Frequence (MHz)		3460.02			3500.01			3540		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
20M	CP QPSK	1	1	21.58	21.18	24.39	21.57	21.22	24.41	21.49	21.27	24.39
		1	26	21.03	21.10	24.08	20.96	21.07	24.03	21.01	21.08	24.06
		1	49	21.47	21.24	24.37	21.49	21.19	24.35	21.50	21.24	24.38
		25	0	19.57	19.45	22.52	19.56	19.44	22.51	19.55	19.44	22.51
		25	13	21.58	21.15	24.38	21.53	21.15	24.35	21.56	21.16	24.37
		25	26	20.31	19.79	23.07	20.33	19.83	23.10	20.38	19.81	23.11
		50	0	20.00	19.59	22.81	19.98	19.60	22.80	19.96	19.57	22.78
20M	CP 16QAM	1	1	20.59	20.43	23.52	20.54	20.39	23.48	20.54	20.39	23.48
20M	CP 64QAM	1	1	19.11	19.16	22.15	19.05	19.19	22.13	19.11	19.10	22.12
20M	CP 256QAM	1	1	16.12	16.23	19.19	16.16	16.16	19.17	16.15	16.22	19.20

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	24.41	26.56	30
CP 16QAM	23.52	25.67	30
CP 64QAM	22.15	24.30	30
CP 256QAM	19.20	21.35	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		630334			633334			636332		
		Frequence (MHz)		3455.01			3500.01			3544.98		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
10M	CP QPSK	1	1	21.58	21.17	24.39	21.56	21.24	24.41	21.52	21.23	24.39
		1	11	20.98	21.09	24.05	20.97	21.11	24.05	21.03	21.12	24.09
		1	22	21.42	21.26	24.35	21.44	21.24	24.35	21.45	21.18	24.33
		12	0	19.57	19.43	22.51	19.61	19.50	22.57	19.54	19.48	22.52
		12	6	21.53	21.17	24.36	21.61	21.15	24.40	21.54	21.21	24.39
		12	12	20.30	19.77	23.05	20.35	19.86	23.12	20.38	19.86	23.14
		24	0	20.01	19.63	22.83	19.92	19.56	22.75	19.92	19.58	22.76
10M	CP 16QAM	1	1	20.57	20.43	23.51	20.52	20.44	23.49	20.50	20.41	23.47
10M	CP 64QAM	1	1	19.04	19.17	22.12	19.05	19.12	22.10	19.05	19.12	22.10
10M	CP 256QAM	1	1	16.21	16.16	19.20	16.14	16.16	19.16	16.16	16.19	19.19

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	24.41	26.56	30
CP 16QAM	23.51	25.66	30
CP 64QAM	22.12	24.27	30
CP 256QAM	19.20	21.35	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.14 NR n77 (3700-3980 MHz) SCS 30 kHz (SISO)

Conducted Output Power (dBm)

NR Band 77						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		650000	656000	662000
		Frequence (MHz)		3750	3840	3930
100M	DFT-S PI/2 BPSK	1	1	25.73	25.77	25.98
100M	DFT-S QPSK	1	1	25.76	25.79	26.15
		1	137	25.69	25.76	26.03
		1	271	25.77	25.87	26.11
		135	0	25.18	25.20	25.32
		135	69	25.90	25.93	26.13
		135	138	25.10	25.12	25.31
		270	0	25.10	25.18	25.26
100M	DFT-S 16QAM	1	1	24.90	24.92	25.13
100M	DFT-S 64QAM	1	1	23.20	23.29	23.58
100M	DFT-S 256QAM	1	1	21.31	21.32	21.35
100M	CP QPSK	1	1	24.46	24.54	24.68

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	25.98	28.82	30
DFT-S QPSK	26.15	28.99	30
DFT-S 16QAM	25.13	27.97	30
DFT-S 64QAM	23.58	26.42	30
DFT-S 256QAM	21.35	24.19	30
CP QPSK	24.68	27.52	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		649334	656000	662666
		Frequence (MHz)		3740.01	3840	3939.99
80M	DFT-S PI/2 BPSK	1	1	25.55	25.66	25.83
80M	DFT-S QPSK	1	1	25.67	25.74	26.06
		1	109	25.51	25.68	25.97
		1	215	25.69	25.76	25.98
		108	0	25.03	25.08	25.22
		108	55	25.72	25.80	26.03
		108	109	24.97	25.03	25.14
		216	0	24.58	24.68	24.85
80M	DFT-S 16QAM	1	1	24.69	24.71	25.03
80M	DFT-S 64QAM	1	1	22.99	23.18	23.45
80M	DFT-S 256QAM	1	1	21.18	21.24	21.47
80M	CP QPSK	1	1	24.54	24.56	24.81

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	25.83	28.67	30
DFT-S QPSK	26.06	28.90	30
DFT-S 16QAM	25.03	27.87	30
DFT-S 64QAM	23.45	26.29	30
DFT-S 256QAM	21.47	24.31	30
CP QPSK	24.81	27.65	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648668	656000	663332
		Frequence (MHz)		3730.02	3840	3949.98
60M	DFT-S PI/2 BPSK	1	1	25.52	25.62	25.77
60M	DFT-S QPSK	1	1	25.71	25.70	25.97
		1	81	25.56	25.74	25.91
		1	160	25.59	25.64	25.95
		81	0	24.95	25.05	25.24
		81	41	25.79	25.73	26.10
		81	81	24.94	24.92	25.16
		162	0	24.56	24.62	24.72
60M	DFT-S 16QAM	1	1	24.59	24.67	24.90
60M	DFT-S 64QAM	1	1	23.18	23.17	23.29
60M	DFT-S 256QAM	1	1	21.14	21.17	21.43
60M	CP QPSK	1	1	24.48	24.48	24.62

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	25.77	28.61	30
DFT-S QPSK	26.10	28.94	30
DFT-S 16QAM	24.90	27.74	30
DFT-S 64QAM	23.29	26.13	30
DFT-S 256QAM	21.43	24.27	30
CP QPSK	24.62	27.46	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		648000	656000	664000
		Frequence (MHz)		3720	3840	3960
40M	DFT-S PI/2 BPSK	1	1	25.53	25.59	25.72
40M	DFT-S QPSK	1	1	25.64	25.70	25.89
		1	53	25.51	25.69	25.90
		1	104	25.63	25.55	25.83
		50	0	24.90	25.06	25.20
		50	28	25.70	25.61	26.08
		50	56	24.97	24.89	25.11
		100	0	24.47	24.57	24.72
40M	DFT-S 16QAM	1	1	24.67	24.64	24.87
40M	DFT-S 64QAM	1	1	23.06	23.25	23.40
40M	DFT-S 256QAM	1	1	21.06	21.07	21.35
40M	CP QPSK	1	1	24.41	24.55	24.63

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	25.72	28.56	30
DFT-S QPSK	26.08	28.92	30
DFT-S 16QAM	24.87	27.71	30
DFT-S 64QAM	23.40	26.24	30
DFT-S 256QAM	21.35	24.19	30
CP QPSK	24.63	27.47	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647668	656000	664332
		Frequence (MHz)		3715.02	3840	3965
30M	DFT-S PI/2 BPSK	1	1	25.50	25.57	25.68
30M	DFT-S QPSK	1	1	25.59	25.53	25.81
		1	39	25.38	25.59	25.87
		1	76	25.49	25.65	25.75
		36	0	24.84	25.02	24.99
		36	21	25.68	25.73	25.95
		36	42	24.89	24.91	25.03
		75	0	24.53	24.53	24.68
30M	DFT-S 16QAM	1	1	24.62	24.62	24.87
30M	DFT-S 64QAM	1	1	22.89	23.04	23.36
30M	DFT-S 256QAM	1	1	20.89	21.07	21.35
30M	CP QPSK	1	1	24.36	24.47	24.55

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	25.68	28.52	30
DFT-S QPSK	25.95	28.79	30
DFT-S 16QAM	24.87	27.71	30
DFT-S 64QAM	23.36	26.20	30
DFT-S 256QAM	21.35	24.19	30
CP QPSK	24.55	27.39	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		647334	656000	664666
		Frequence (MHz)		3710.01	3840	3969.99
20M	DFT-S PI/2 BPSK	1	1	25.40	25.54	25.64
20M	DFT-S QPSK	1	1	25.52	25.56	25.83
		1	26	25.35	25.61	25.73
		1	49	25.38	25.49	25.66
		25	0	24.70	24.99	24.92
		25	13	25.66	25.63	25.84
		25	26	24.97	24.85	24.98
		50	0	24.46	24.49	24.62
20M	DFT-S 16QAM	1	1	24.47	24.53	24.75
20M	DFT-S 64QAM	1	1	22.86	23.04	23.24
20M	DFT-S 256QAM	1	1	20.83	21.03	21.19
20M	CP QPSK	1	1	24.23	24.48	24.47

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
DFT-S PI/2 BPSK	25.64	28.48	30
DFT-S QPSK	25.84	28.68	30
DFT-S 16QAM	24.75	27.59	30
DFT-S 64QAM	23.24	26.08	30
DFT-S 256QAM	21.19	24.03	30
CP QPSK	24.48	27.32	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

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

Conducted Output Power (dBm)

NR Band 77												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		650000			656000			662000		
		Frequence (MHz)		3750			3840			3930		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
100M	CP QPSK	1	1	20.40	21.11	23.78	20.26	21.18	23.75	20.36	21.13	23.77
		1	137	20.21	20.69	23.47	20.21	20.62	23.43	20.22	20.71	23.48
		1	271	20.35	21.11	23.76	20.40	20.79	23.61	20.41	20.98	23.71
		135	0	18.64	19.17	21.92	18.63	19.18	21.92	18.59	19.18	21.91
		135	69	20.14	20.79	23.49	20.15	20.76	23.48	20.15	20.78	23.49
		135	138	18.79	19.35	22.09	18.78	19.37	22.10	18.77	19.34	22.07
		270	0	18.54	19.25	21.92	18.55	19.21	21.90	18.55	19.20	21.90
100M	CP 16QAM	1	1	19.96	20.24	23.11	20.01	20.3	23.17	20	20.33	23.18
100M	CP 64QAM	1	1	18.03	18.61	21.34	18.06	18.62	21.36	18.04	18.53	21.30
100M	CP 256QAM	1	1	15.2	15.75	18.49	15.23	15.66	18.46	15.24	15.66	18.47

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	23.78	26.62	30
CP 16QAM	23.18	26.02	30
CP 64QAM	21.36	24.20	30
CP 256QAM	18.49	21.33	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		649334			656000			662666		
		Frequence (MHz)		3740.01			3840			3939.99		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
80M	CP QPSK	1	1	20.39	21.01	23.72	20.28	21.06	23.70	20.33	21.12	23.75
		1	109	20.13	20.66	23.41	20.13	20.64	23.40	20.21	20.63	23.44
		1	215	20.34	21.07	23.73	20.33	20.94	23.66	20.34	20.93	23.66
		108	0	18.56	19.08	21.84	18.52	19.08	21.82	18.53	19.12	21.85
		108	55	20.06	20.69	23.40	20.10	20.75	23.45	20.08	20.70	23.41
		108	109	18.75	19.27	22.03	18.75	19.27	22.03	18.69	19.25	21.99
		216	0	18.47	19.22	21.87	18.52	19.14	21.85	18.52	19.16	21.86
80M	CP 16QAM	1	1	19.87	20.19	23.04	19.97	20.12	23.06	20.00	20.07	23.05
80M	CP 64QAM	1	1	17.97	18.53	21.27	17.97	18.14	21.07	17.99	18.19	21.10
80M	CP 256QAM	1	1	15.15	15.73	18.46	15.19	16.42	18.86	15.22	16.39	18.85

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	23.75	26.59	30
CP 16QAM	23.06	25.90	30
CP 64QAM	21.27	24.11	30
CP 256QAM	18.86	21.70	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		648668			656000			663332		
		Frequence (MHz)		3730.02			3840			3949.98		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
60M	CP QPSK	1	1	20.38	21.08	23.75	20.33	21.03	23.70	20.34	21.13	23.76
		1	81	20.15	20.62	23.40	20.17	20.62	23.41	20.18	20.71	23.46
		1	160	20.34	21.05	23.72	20.37	20.94	23.67	20.36	20.94	23.67
		81	0	18.59	19.14	21.88	18.50	19.08	21.81	18.56	19.10	21.85
		81	41	20.04	20.77	23.43	20.11	20.71	23.43	20.06	20.77	23.44
		81	81	18.79	19.32	22.07	18.72	19.28	22.02	18.74	19.32	22.05
		162	0	18.44	19.18	21.84	18.55	19.13	21.86	18.55	19.16	21.88
60M	CP 16QAM	1	1	19.94	20.19	23.08	19.94	20.13	23.05	19.97	20.06	23.03
60M	CP 64QAM	1	1	17.93	18.55	21.26	17.97	18.18	21.09	18.01	18.12	21.08
60M	CP 256QAM	1	1	15.12	15.68	18.42	15.16	16.48	18.88	15.14	16.41	18.83

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	23.76	26.60	30
CP 16QAM	23.08	25.92	30
CP 64QAM	21.26	24.10	30
CP 256QAM	18.88	21.72	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		648000			656000			664000		
		Frequence (MHz)		3720			3840			3960		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
40M	CP QPSK	1	1	20.39	21.08	23.76	20.33	21.09	23.74	20.32	21.05	23.71
		1	53	20.14	20.59	23.38	20.14	20.62	23.40	20.14	20.67	23.42
		1	104	20.35	21.08	23.74	20.37	20.90	23.65	20.31	20.91	23.63
		50	0	18.63	19.12	21.89	18.54	19.13	21.86	18.55	19.17	21.88
		50	28	20.13	20.71	23.44	20.15	20.74	23.47	20.11	20.73	23.44
		50	56	18.70	19.33	22.04	18.74	19.29	22.03	18.73	19.33	22.05
		100	0	18.48	19.20	21.87	18.50	19.10	21.82	18.47	19.10	21.81
40M	CP 16QAM	1	1	19.86	20.20	23.04	19.96	20.06	23.02	19.98	20.12	23.06
40M	CP 64QAM	1	1	17.94	18.57	21.28	17.95	18.21	21.09	17.98	18.11	21.06
40M	CP 256QAM	1	1	15.11	15.73	18.44	15.20	16.45	18.88	15.16	16.46	18.87

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	23.76	26.60	30
CP 16QAM	23.06	25.90	30
CP 64QAM	21.28	24.12	30
CP 256QAM	18.88	21.72	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		647668			656000			664332		
		Frequence (MHz)		3715.02			3840			3965		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
30M	CP QPSK	1	1	20.37	21.03	23.72	20.33	21.13	23.76	20.27	21.05	23.69
		1	39	20.18	20.67	23.44	20.13	20.65	23.41	20.20	20.66	23.45
		1	76	20.28	21.01	23.67	20.38	20.90	23.66	20.35	20.96	23.68
		36	0	18.63	19.09	21.88	18.50	19.15	21.85	18.50	19.18	21.86
		36	21	20.12	20.71	23.44	20.10	20.70	23.42	20.10	20.76	23.45
		36	42	18.74	19.27	22.02	18.75	19.29	22.04	18.77	19.29	22.05
		75	0	18.51	19.24	21.90	18.50	19.13	21.84	18.45	19.19	21.85
30M	CP 16QAM	1	1	19.86	20.19	23.04	19.90	20.04	22.98	19.97	20.10	23.05
30M	CP 64QAM	1	1	18.00	18.58	21.31	17.96	18.20	21.09	18.04	18.14	21.10
30M	CP 256QAM	1	1	15.13	15.75	18.46	15.23	16.43	18.88	15.19	16.38	18.84

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	23.76	26.60	30
CP 16QAM	23.05	25.89	30
CP 64QAM	21.31	24.15	30
CP 256QAM	18.88	21.72	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

Conducted Output Power (dBm)

NR Band 77												
BW	MCS Index	RB Size	RB Offset	Low			Mid			High		
		Channel		647334			656000			664666		
		Frequence (MHz)		3710.01			3840			3969.99		
		TX Chain		TX1	TX2	Total	TX1	TX2	Total	TX1	TX2	Total
20M	CP QPSK	1	1	20.31	21.10	23.73	20.36	21.13	23.77	20.31	21.04	23.70
		1	26	20.12	20.64	23.40	20.18	20.67	23.44	20.13	20.62	23.39
		1	49	20.32	21.04	23.71	20.39	20.97	23.70	20.33	20.92	23.65
		25	0	18.63	19.13	21.90	18.59	19.15	21.89	18.59	19.08	21.85
		25	13	20.07	20.74	23.43	20.11	20.69	23.42	20.06	20.75	23.43
		25	26	18.69	19.33	22.03	18.67	19.27	21.99	18.76	19.31	22.05
		50	0	18.51	19.17	21.86	18.54	19.12	21.85	18.45	19.12	21.81
20M	CP 16QAM	1	1	19.90	20.18	23.05	19.98	20.04	23.02	19.93	20.08	23.02
20M	CP 64QAM	1	1	17.95	18.53	21.26	18.00	18.20	21.11	17.94	18.20	21.08
20M	CP 256QAM	1	1	15.11	15.72	18.44	15.15	16.46	18.86	15.24	16.40	18.87

EIRP Power (dBm)

Maximum Output Power			
Modulation	Cond. Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)
CP QPSK	23.77	26.61	30
CP 16QAM	23.05	25.89	30
CP 64QAM	21.26	24.10	30
CP 256QAM	18.87	21.71	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.2 Radiated Spurious Emissions below 1GHz

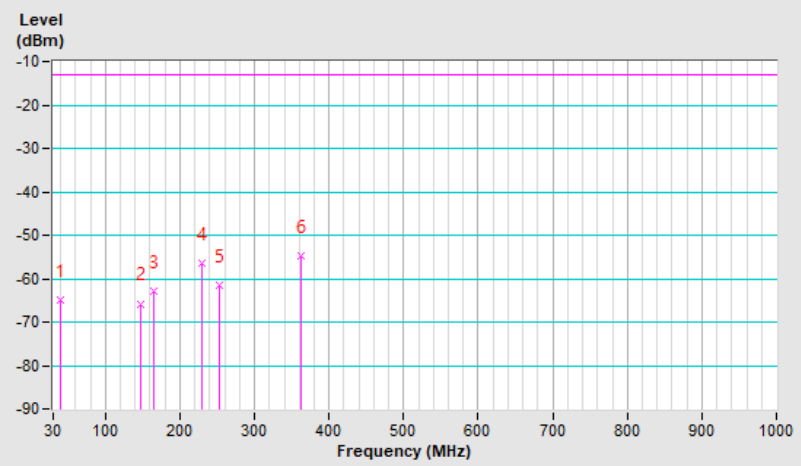
7.2.1 NR n2 SCS 15 kHz

RF Mode	NR n2 Channel Bandwidth: 20MHz	Channel	CH 376000：1880 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	39.84	-64.96	-13.00	-51.96	1.50 H	14	39.71	-104.67
2	148.09	-65.76	-13.00	-52.76	1.00 H	190	38.22	-103.98
3	164.96	-62.91	-13.00	-49.91	1.50 H	190	41.07	-103.98
4	229.62	-56.47	-13.00	-43.47	1.50 H	356	49.86	-106.33
5	252.12	-61.52	-13.00	-48.52	1.00 H	18	42.94	-104.46
6	363.17	-54.81	-13.00	-41.81	1.00 H	7	46.78	-101.59

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 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.

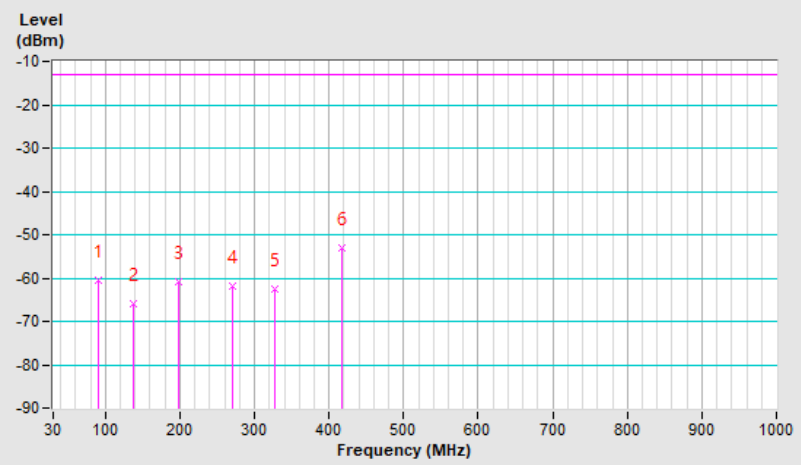


RF Mode	NR n2 Channel Bandwidth: 20MHz	Channel	CH 376000：1880 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis Lee		

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	90.45	-60.50	-13.00	-47.50	1.00 V	257	49.12	-109.62
2	138.25	-66.07	-13.00	-53.07	1.00 V	169	38.41	-104.48
3	198.70	-60.93	-13.00	-47.93	1.00 V	339	45.91	-106.84
4	270.39	-61.79	-13.00	-48.79	1.00 V	5	41.74	-103.53
5	328.03	-62.61	-13.00	-49.61	1.00 V	211	39.47	-102.08
6	418.00	-52.96	-13.00	-39.96	1.00 V	1	47.80	-100.76

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.



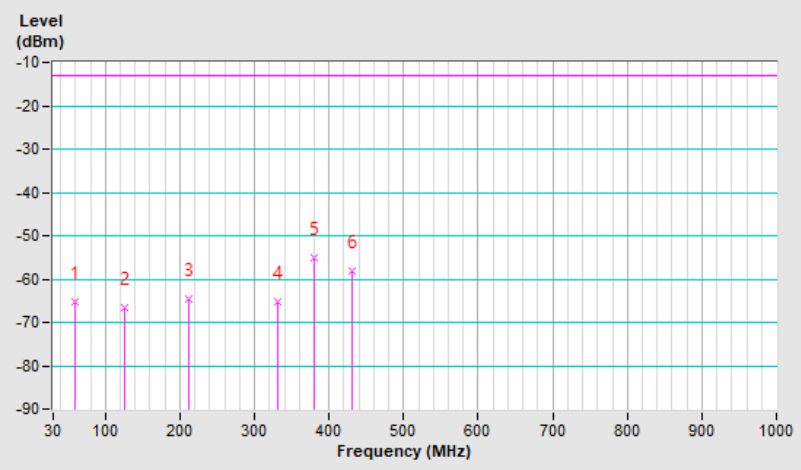
7.2.2 NR n5 SCS 15 kHz

RF Mode	NR n5 Channel Bandwidth: 20MHz	Channel	CH 167300：836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis Lee		

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	59.52	-65.31	-13.00	-52.31	1.00 H	353	41.16	-106.47
2	125.59	-66.59	-13.00	-53.59	1.00 H	250	41.19	-107.78
3	212.75	-64.60	-13.00	-51.60	1.00 H	21	44.15	-108.75
4	330.84	-65.15	-13.00	-52.15	1.00 H	13	39.06	-104.21
5	380.04	-55.06	-13.00	-42.06	1.00 H	3	48.32	-103.38
6	430.65	-58.25	-13.00	-45.25	1.00 H	27	44.23	-102.48

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.

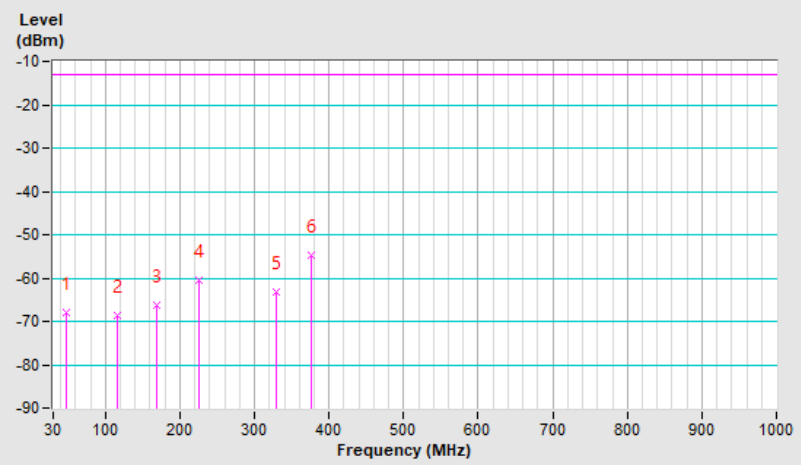


RF Mode	NR n5 Channel Bandwidth: 20MHz	Channel	CH 167300：836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis Lee		

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	48.28	-68.04	-13.00	-55.04	1.00 V	18	38.01	-106.05
2	115.75	-68.64	-13.00	-55.64	1.00 V	17	40.03	-108.67
3	169.17	-66.30	-13.00	-53.30	1.50 V	182	39.99	-106.29
4	225.41	-60.36	-13.00	-47.36	1.50 V	352	48.34	-108.70
5	329.43	-63.19	-13.00	-50.19	1.00 V	306	41.02	-104.21
6	375.83	-54.86	-13.00	-41.86	1.00 V	341	48.57	-103.43

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.



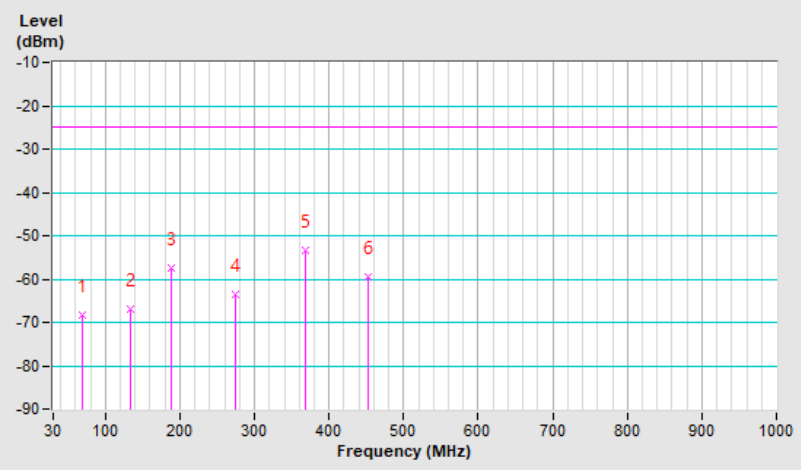
7.2.3 NR n7 SCS 15 kHz

RF Mode	NR n7 Channel Bandwidth: 20MHz	Channel	CH 512000：2560 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	69.36	-68.46	-25.00	-43.46	1.00 H	5	37.53	-105.99
2	134.03	-66.88	-25.00	-41.88	1.50 H	163	38.00	-104.88
3	188.86	-57.59	-25.00	-32.59	1.00 H	190	48.78	-106.37
4	274.61	-63.62	-25.00	-38.62	1.00 H	10	39.73	-103.35
5	368.80	-53.34	-25.00	-28.34	1.00 H	0	48.06	-101.40
6	451.74	-59.44	-25.00	-34.44	1.50 H	186	40.44	-99.88

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.

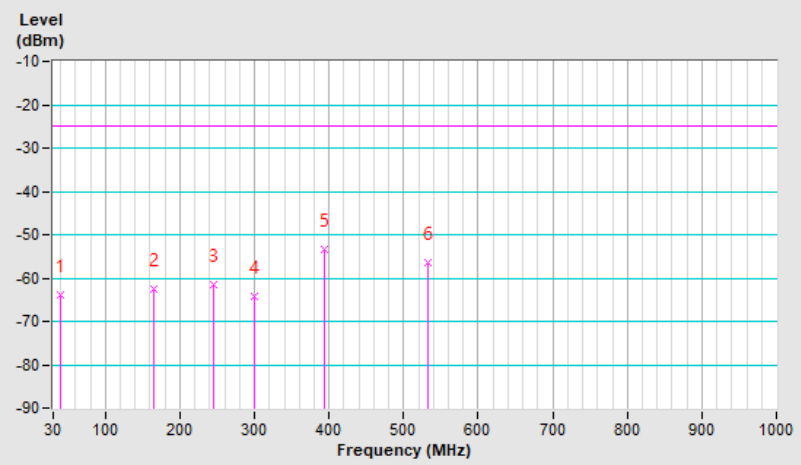


RF Mode	NR n7 Channel Bandwidth: 20MHz	Channel	CH 512000：2560 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	39.84	-63.96	-25.00	-38.96	1.00 V	203	40.71	-104.67
2	164.96	-62.70	-25.00	-37.70	1.50 V	0	41.28	-103.98
3	245.09	-61.53	-25.00	-36.53	1.00 V	71	43.18	-104.71
4	299.91	-64.31	-25.00	-39.31	1.00 V	15	38.43	-102.74
5	394.10	-53.42	-25.00	-28.42	1.50 V	15	47.69	-101.11
6	531.87	-56.38	-25.00	-31.38	1.00 V	320	42.22	-98.60

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.



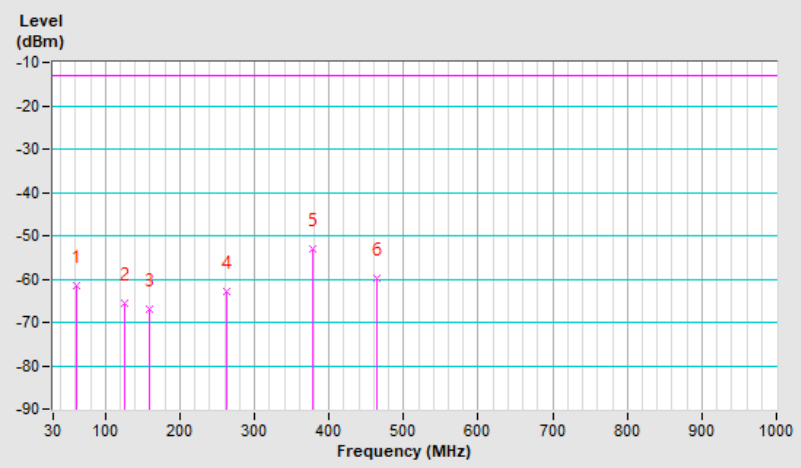
7.2.4 NR n25 SCS 15 kHz

RF Mode	NR n25 Channel Bandwidth: 20MHz	Channel	CH 372000：1860 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	60.93	-61.43	-13.00	-48.43	1.00 H	128	43.31	-104.74
2	125.59	-65.49	-13.00	-52.49	1.00 H	108	40.14	-105.63
3	159.33	-66.87	-13.00	-53.87	1.00 H	3	36.86	-103.73
4	261.96	-63.04	-13.00	-50.04	1.00 H	18	40.98	-104.02
5	377.23	-52.91	-13.00	-39.91	1.00 H	5	48.36	-101.27
6	464.39	-59.89	-13.00	-46.89	1.00 H	155	39.76	-99.65

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) + 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.

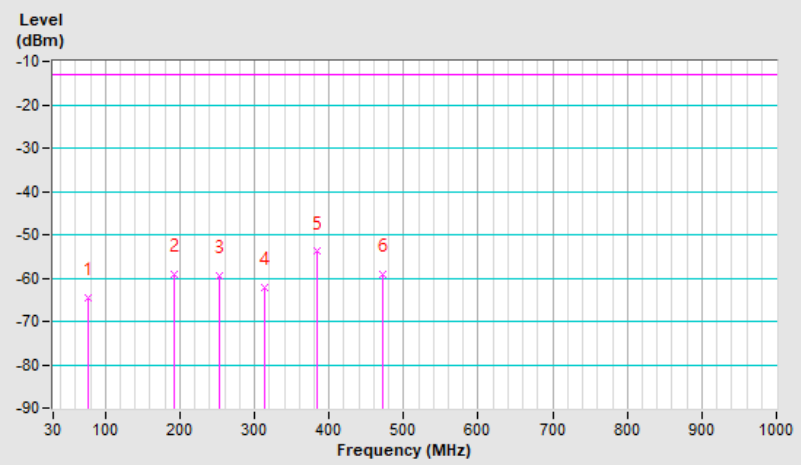


RF Mode	NR n25 Channel Bandwidth: 20MHz	Channel	CH 372000：1860 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis Lee		

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	77.80	-64.63	-13.00	-51.63	1.00 V	15	43.06	-107.69
2	191.67	-59.08	-13.00	-46.08	1.00 V	321	47.51	-106.59
3	252.12	-59.52	-13.00	-46.52	1.00 V	25	44.94	-104.46
4	313.97	-62.09	-13.00	-49.09	1.00 V	25	40.26	-102.35
5	384.26	-53.90	-13.00	-40.90	1.00 V	6	47.27	-101.17
6	472.83	-59.12	-13.00	-46.12	1.00 V	25	40.45	-99.57

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 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.



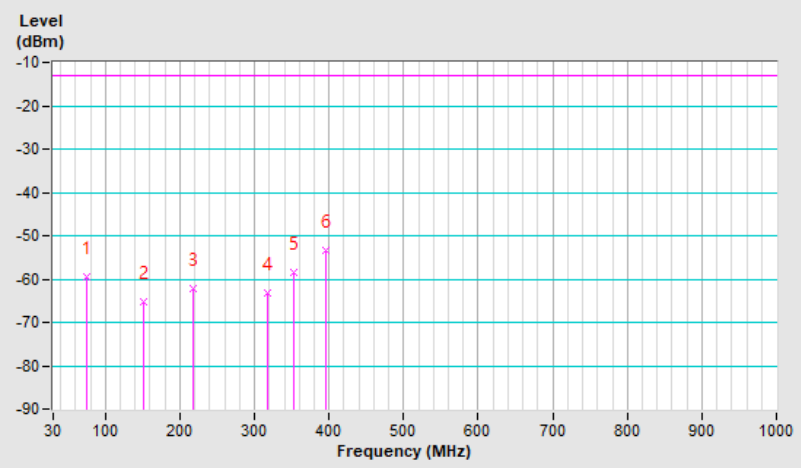
7.2.5 NR n30 SCS 15 kHz

RF Mode	NR n30 Channel Bandwidth: 10MHz	Channel	CH 462000：2310 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	74.99	-59.44	-40.00	-19.44	1.50 H	279	47.35	-106.79
2	150.90	-65.42	-40.00	-25.42	1.00 H	186	38.46	-103.88
3	216.97	-62.18	-40.00	-22.18	1.00 H	319	44.33	-106.51
4	316.78	-63.34	-40.00	-23.34	1.50 H	327	38.94	-102.28
5	351.93	-58.32	-40.00	-18.32	1.50 H	4	43.63	-101.95
6	395.51	-53.36	-40.00	-13.36	1.00 H	19	47.73	-101.09

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 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.

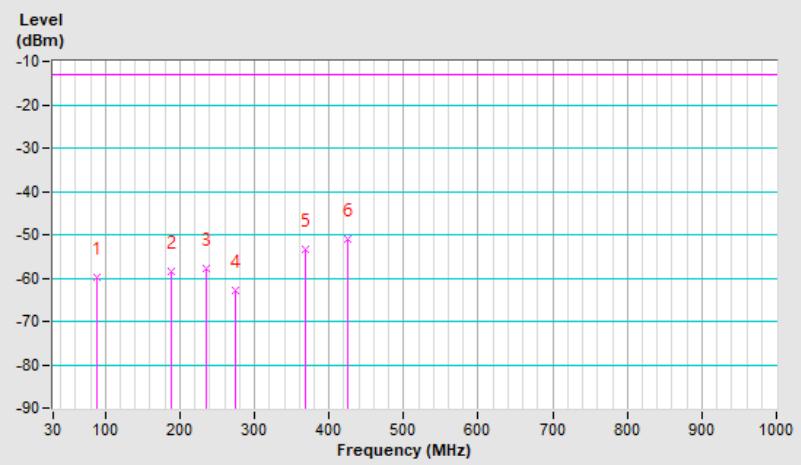


RF Mode	NR n30 Channel Bandwidth: 10MHz	Channel	CH 462000：2310 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis Lee		

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	89.04	-59.96	-40.00	-19.96	1.00 V	191	49.59	-109.55
2	187.45	-58.52	-40.00	-18.52	1.00 V	312	47.66	-106.18
3	235.25	-57.85	-40.00	-17.85	1.00 V	6	47.59	-105.44
4	274.61	-62.80	-40.00	-22.8	1.00 V	19	40.55	-103.35
5	368.80	-53.48	-40.00	-13.48	1.00 V	12	47.92	-101.40
6	**425.03**	**-51.11**	**-40.00**	**-11.11**	**1.00 V**	**8**	**49.40**	**-100.51**

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.



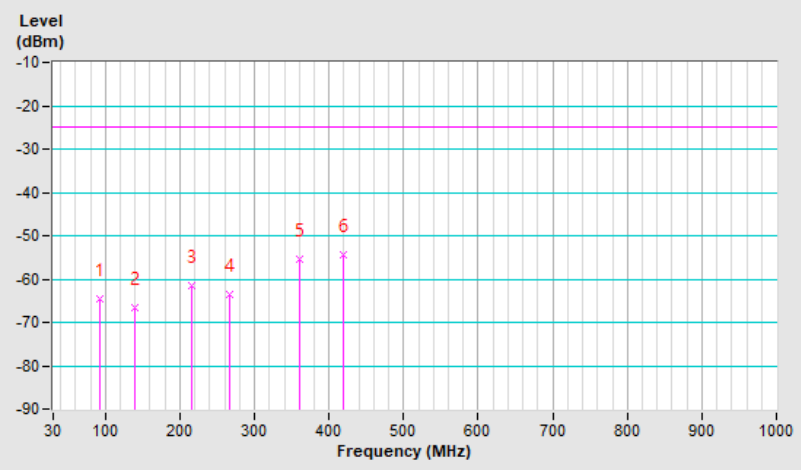
7.2.6 NR n38 SCS 30 kHz (SISO)

RF Mode	NR n38 Channel Bandwidth: 40MHz	Channel	CH 519000：2595 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	91.86	-64.66	-25.00	-39.66	1.50 H	293	44.76	-109.42
2	139.65	-66.63	-25.00	-41.63	1.00 H	169	37.81	-104.44
3	215.57	-61.56	-25.00	-36.56	1.00 H	348	44.97	-106.53
4	266.17	-63.41	-25.00	-38.41	1.50 H	348	40.37	-103.78
5	360.36	-55.28	-25.00	-30.28	1.50 H	6	46.42	-101.70
6	419.41	-54.28	-25.00	-29.28	1.00 H	6	46.43	-100.71

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.

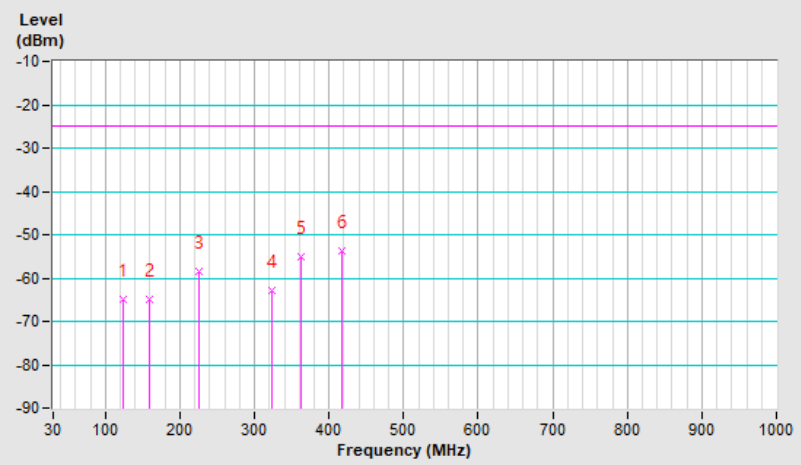


RF Mode	NR n38 Channel Bandwidth: 40MHz	Channel	CH 519000：2595 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis Lee		

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	124.19	-64.86	-25.00	-39.86	1.50 V	298	41.00	-105.86
2	159.33	-64.86	-25.00	-39.86	1.00 V	166	38.87	-103.73
3	225.41	-58.42	-25.00	-33.42	1.50 V	153	48.13	-106.55
4	323.81	-62.97	-25.00	-37.97	1.00 V	348	39.15	-102.12
5	361.77	-54.92	-25.00	-29.92	1.00 V	355	46.72	-101.64
6	418.00	-53.64	-25.00	-28.64	1.00 V	9	47.12	-100.76

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.



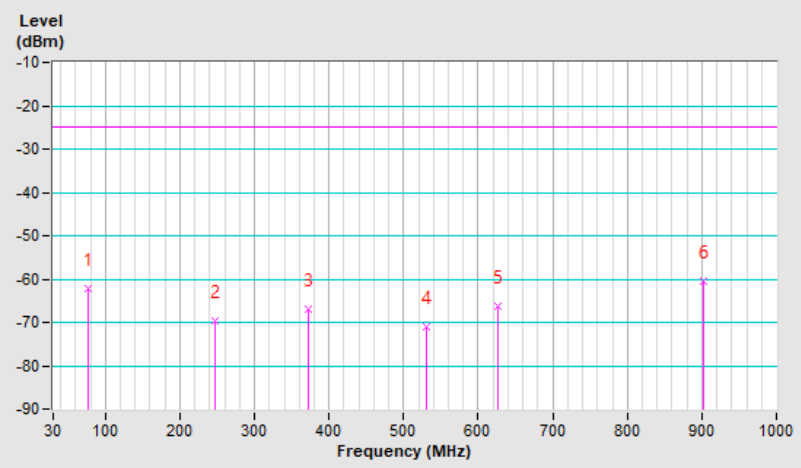
7.2.7 NR n38 SCS 30 kHz (MIMO)

RF Mode	NR n38 Channel Bandwidth: 40MHz	Channel	CH 518000：2590 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	77.53	-62.12	-25.00	-37.12	2.00 H	172	45.50	-107.62
2	247.28	-69.77	-25.00	-44.77	1.00 H	246	34.86	-104.63
3	372.41	-67.10	-25.00	-42.10	2.00 H	271	34.23	-101.33
4	530.52	-71.11	-25.00	-46.11	1.00 H	185	27.51	-98.62
5	625.58	-66.41	-25.00	-41.41	1.50 H	2	29.58	-95.99
6	903.00	-60.57	-25.00	-35.57	1.50 H	97	30.23	-90.80

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.

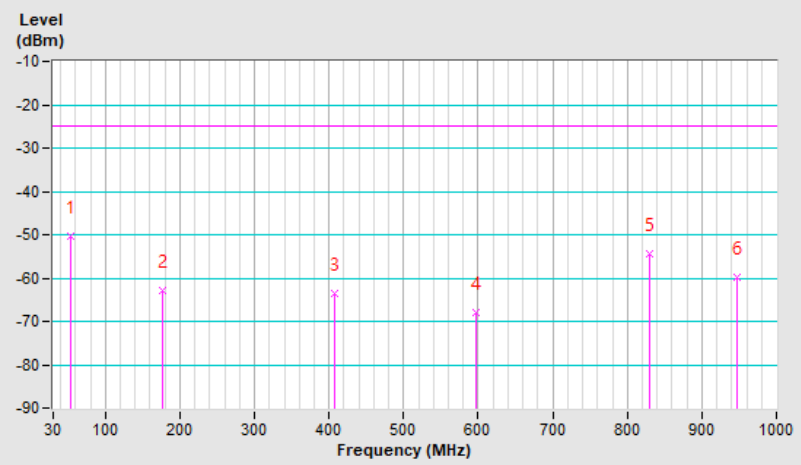


RF Mode	NR n38 Channel Bandwidth: 40MHz	Channel	CH 518000：2590 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis Lee		

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	53.28	-50.33	-25.00	-25.33	1.00 V	82	53.64	-103.97
2	177.44	-62.78	-25.00	-37.78	1.50 V	172	42.15	-104.93
3	408.30	-63.53	-25.00	-38.53	1.00 V	5	37.46	-100.99
4	597.45	-67.98	-25.00	-42.98	2.00 V	342	28.78	-96.76
5	830.25	-54.56	-25.00	-29.56	1.00 V	348	37.51	-92.07
6	946.65	-59.76	-25.00	-34.76	2.00 V	198	29.93	-89.69

Remarks:

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



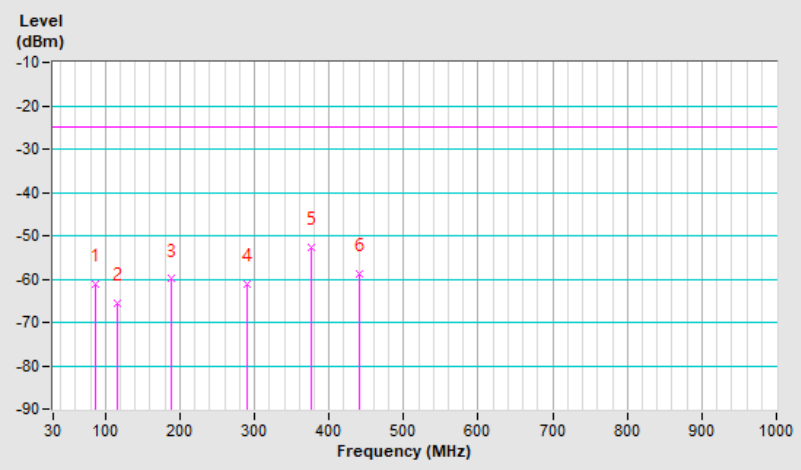
7.2.8 NR n41 SCS 30 kHz (SISO)

RF Mode	NR n41 Channel Bandwidth: 100MHz	Channel	CH 518598：2592.99 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	87.64	-61.29	-25.00	-36.29	1.00 H	272	48.31	-109.60
2	115.75	-65.58	-25.00	-40.58	1.00 H	48	40.94	-106.52
3	187.45	-60.00	-25.00	-35.00	1.00 H	122	46.18	-106.18
4	290.07	-61.21	-25.00	-36.21	1.00 H	358	41.85	-103.06
5	375.83	-52.87	-25.00	-27.87	1.50 H	4	48.41	-101.28
6	440.49	-58.76	-25.00	-33.76	1.00 H	227	41.36	-100.12

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.

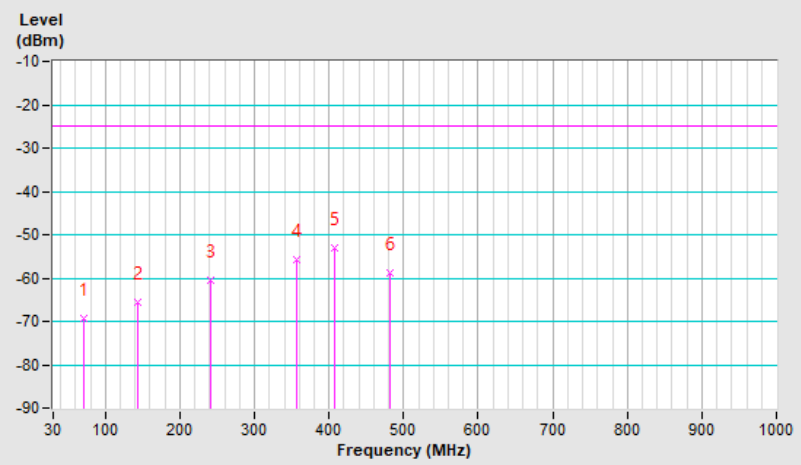


RF Mode	NR n41 Channel Bandwidth: 100MHz	Channel	CH 518598：2592.99 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis Lee		

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	70.77	-69.22	-25.00	-44.22	1.00 V	153	36.83	-106.05
2	143.87	-65.61	-25.00	-40.61	1.50 V	197	38.52	-104.13
3	240.87	-60.59	-25.00	-35.59	1.50 V	313	44.34	-104.93
4	357.55	-55.66	-25.00	-30.66	1.00 V	7	46.12	-101.78
5	408.16	-52.96	-25.00	-27.96	1.00 V	16	48.04	-101.00
6	481.26	-58.80	-25.00	-33.80	1.50 V	165	40.70	-99.50

Remarks:

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



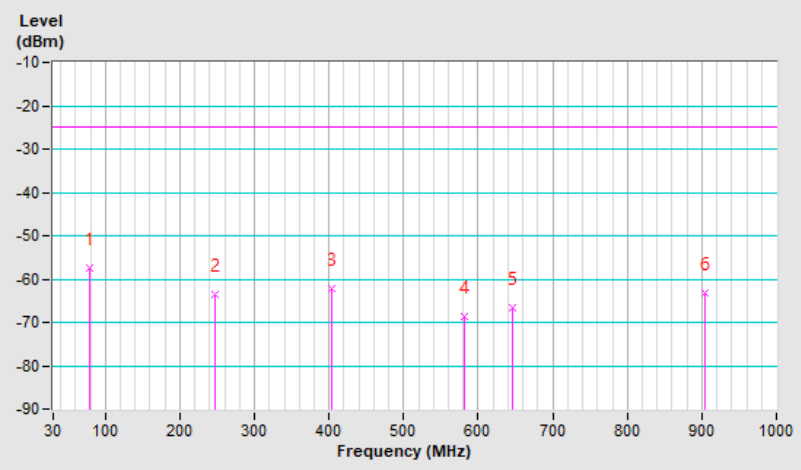
7.2.9 NR n41 SCS 30 kHz (MIMO)

RF Mode	NR n41 Channel Bandwidth: 100MHz	Channel	CH 528000：2640 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	78.50	-57.31	-25.00	-32.31	2.00 H	18	50.56	-107.87
2	246.31	-63.70	-25.00	-38.70	1.00 H	276	40.97	-104.67
3	404.42	-62.22	-25.00	-37.22	1.00 H	263	38.82	-101.04
4	580.96	-68.79	-25.00	-43.79	1.50 H	353	28.47	-97.26
5	646.92	-66.73	-25.00	-41.73	1.50 H	19	29.11	-95.84
6	903.97	-63.31	-25.00	-38.31	1.00 H	353	27.45	-90.76

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.

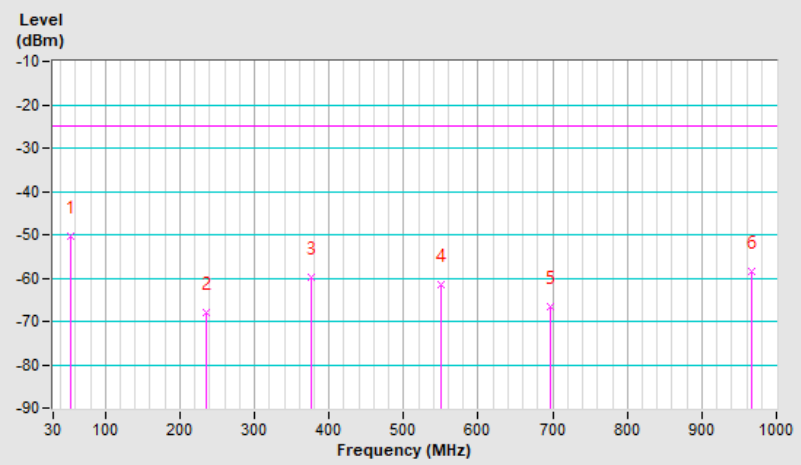


RF Mode	NR n41 Channel Bandwidth: 100MHz	Channel	CH 528000：2640 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis Lee		

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	53.28	-50.32	-25.00	-25.32	1.00 V	328	53.65	-103.97
2	234.67	-67.89	-25.00	-42.89	1.00 V	1	37.64	-105.53
3	376.29	-59.87	-25.00	-34.87	1.00 V	118	41.41	-101.28
4	550.89	-61.50	-25.00	-36.50	1.50 V	18	36.73	-98.23
5	696.39	-66.67	-25.00	-41.67	2.00 V	135	28.40	-95.07
6	967.02	-58.56	-25.00	-33.56	2.00 V	33	30.45	-89.01

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.



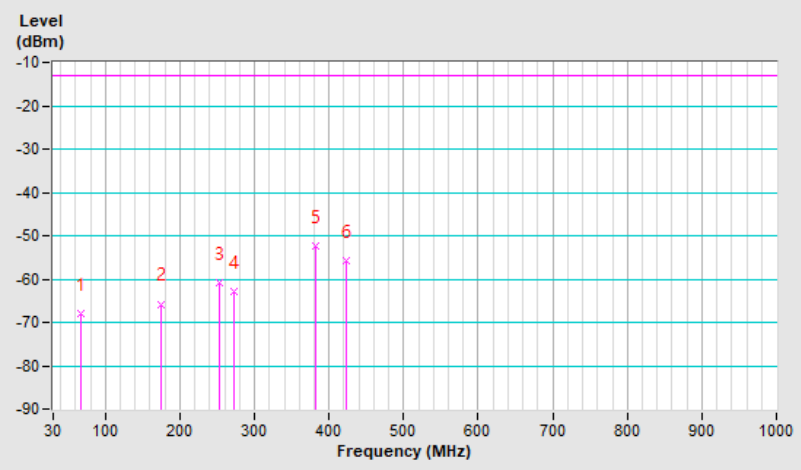
7.2.10NR n66 SCS 15 kHz

RF Mode	NR n66 Channel Bandwidth: 30MHz	Channel	CH 345000：1725 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	67.96	-67.91	-13.00	-54.91	1.00 H	293	37.69	-105.60
2	174.80	-65.76	-13.00	-52.76	1.00 H	135	38.86	-104.62
3	252.12	-60.80	-13.00	-47.80	1.00 H	355	43.66	-104.46
4	273.20	-62.83	-13.00	-49.83	1.00 H	4	40.58	-103.41
5	382.86	-52.39	-13.00	-39.39	1.00 H	357	48.80	-101.19
6	423.62	-55.73	-13.00	-42.73	1.00 H	154	44.84	-100.57

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 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.

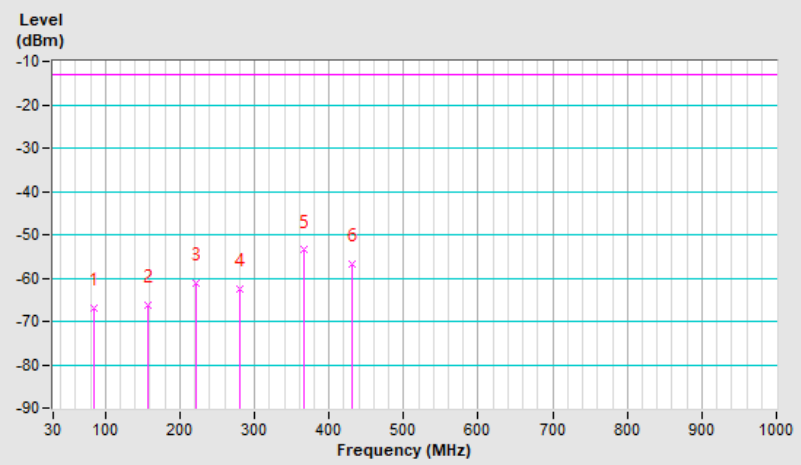


RF Mode	NR n66 Channel Bandwidth: 30MHz	Channel	CH 345000：1725 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis Lee		

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	84.83	-66.80	-13.00	-53.80	1.00 V	301	42.54	-109.34
2	156.52	-66.19	-13.00	-53.19	1.00 V	181	37.57	-103.76
3	221.19	-61.16	-13.00	-48.16	1.00 V	29	45.35	-106.51
4	280.23	-62.64	-13.00	-49.64	1.00 V	6	40.51	-103.15
5	365.99	-53.56	-13.00	-40.56	1.00 V	6	47.93	-101.49
6	430.65	-56.79	-13.00	-43.79	1.00 V	157	43.54	-100.33

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.



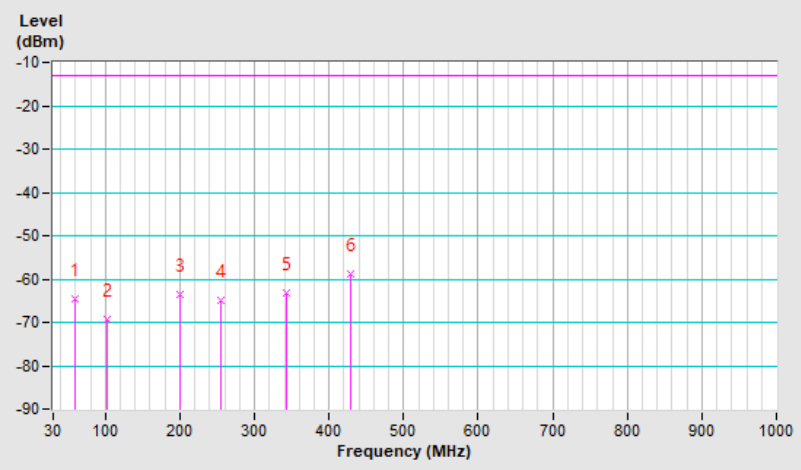
7.2.11NR n71 SCS 15 kHz

RF Mode	NR n71 Channel Bandwidth: 20MHz	Channel	CH 137600：688 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis Lee		

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	59.52	-64.63	-13.00	-51.63	1.50 H	353	41.84	-106.47
2	103.10	-69.27	-13.00	-56.27	1.00 H	246	40.79	-110.06
3	200.10	-63.45	-13.00	-50.45	1.00 H	118	45.52	-108.97
4	254.93	-64.81	-13.00	-51.81	1.50 H	82	41.72	-106.53
5	343.49	-63.31	-13.00	-50.31	1.50 H	6	40.93	-104.24
6	429.25	-58.74	-13.00	-45.74	1.00 H	356	43.77	-102.51

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.

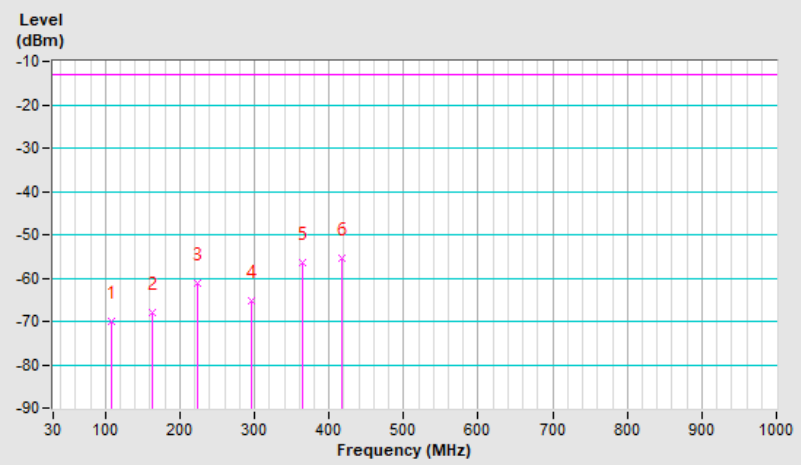


RF Mode	NR n71 Channel Bandwidth: 20MHz	Channel	CH 137600：688 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis Lee		

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	108.72	-69.95	-13.00	-56.95	1.00 V	131	39.28	-109.23
2	162.14	-67.86	-13.00	-54.86	1.00 V	217	38.10	-105.96
3	224.00	-61.04	-13.00	-48.04	1.00 V	140	47.67	-108.71
4	295.70	-65.20	-13.00	-52.20	1.00 V	354	39.85	-105.05
5	364.58	-56.47	-13.00	-43.47	1.00 V	354	47.22	-103.69
6	416.59	-55.54	-13.00	-42.54	1.50 V	19	47.42	-102.96

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.



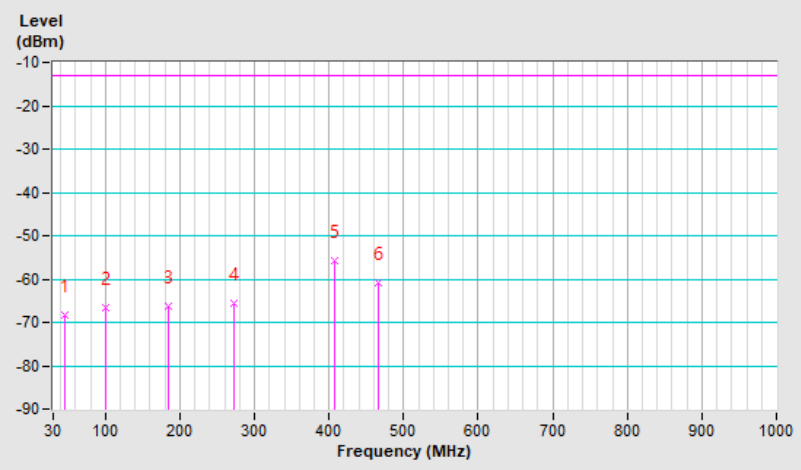
7.2.12NR n77 (3450-3550 MHz) SCS 30 kHz (SISO)

RF Mode	NR n77 Channel Bandwidth: 100MHz	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	23°C, 67% RH
Tested By	Luis 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	45.46	-68.24	-13.00	-55.24	1.00 H	12	35.78	-104.02
2	100.29	-66.55	-13.00	-53.55	1.00 H	310	41.79	-108.34
3	184.64	-66.29	-13.00	-53.29	1.00 H	266	39.58	-105.87
4	273.20	-65.66	-13.00	-52.66	1.50 H	346	37.75	-103.41
5	406.75	-55.80	-13.00	-42.80	1.50 H	19	45.21	-101.01
6	465.80	-61.01	-13.00	-48.01	1.00 H	137	38.61	-99.62

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 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.

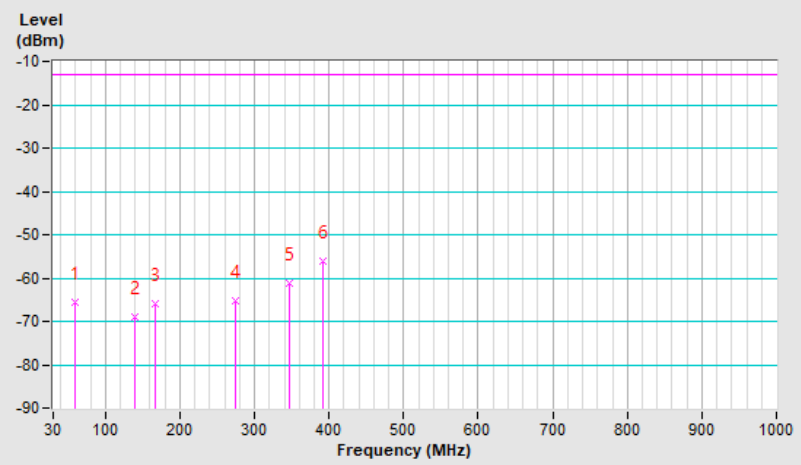


RF Mode	NR n77 Channel Bandwidth: 100MHz	Channel	CH 633334：3500.01 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis Lee		

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	59.52	-65.51	-13.00	-52.51	1.00 V	82	38.81	-104.32
2	139.65	-69.07	-13.00	-56.07	1.00 V	341	35.37	-104.44
3	167.77	-65.86	-13.00	-52.86	1.00 V	156	38.23	-104.09
4	274.61	-65.19	-13.00	-52.19	1.00 V	25	38.16	-103.35
5	347.71	-61.35	-13.00	-48.35	1.00 V	5	40.71	-102.06
6	392.70	-56.14	-13.00	-43.14	1.00 V	5	44.96	-101.10

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.



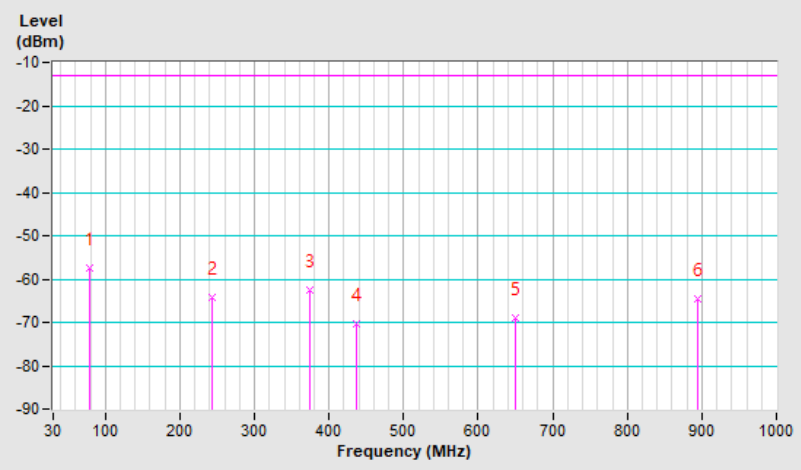
7.2.13NR n77 (3450-3550 MHz) SCS 30 kHz (MIMO)

RF Mode	NR n77 Channel Bandwidth: 100MHz	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	23°C, 67% RH
Tested By	Luis 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	78.50	-57.30	-13.00	-44.30	2.00 H	3	50.57	-107.87
2	242.43	-64.11	-13.00	-51.11	1.00 H	262	40.74	-104.85
3	374.35	-62.39	-13.00	-49.39	1.50 H	268	38.92	-101.31
4	436.43	-70.22	-13.00	-57.22	1.00 H	225	29.97	-100.19
5	650.80	-68.82	-13.00	-55.82	2.00 H	54	27.07	-95.89
6	895.24	-64.58	-13.00	-51.58	1.00 H	56	26.40	-90.98

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.

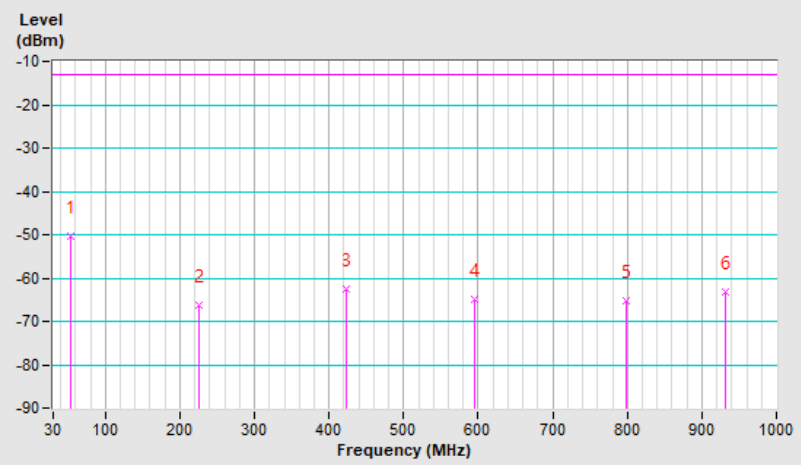


RF Mode	NR n77 Channel Bandwidth: 100MHz	Channel	CH 633334：3500.01 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis Lee		

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	53.28	-50.42	-13.00	-37.42	1.00 V	25	53.55	-103.97
2	224.97	-66.17	-13.00	-53.17	1.50 V	360	40.41	-106.58
3	423.82	-62.69	-13.00	-49.69	1.00 V	324	37.86	-100.55
4	595.51	-64.80	-13.00	-51.80	2.00 V	2	32.02	-96.82
5	798.24	-65.18	-13.00	-52.18	1.00 V	155	27.38	-92.56
6	932.10	-63.13	-13.00	-50.13	2.00 V	115	26.95	-90.08

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.



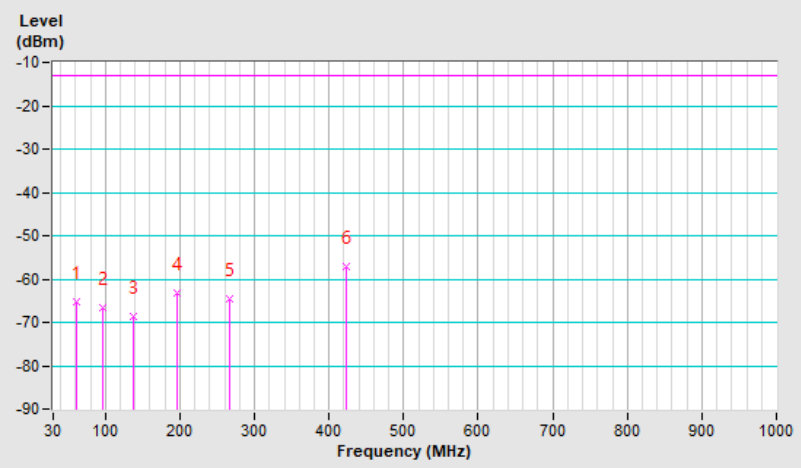
7.2.14NR n77 (3700-3980 MHz) SCS 30 kHz (SISO)

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	23°C, 67% RH
Tested By	Luis 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	60.93	-65.32	-13.00	-52.32	1.50 H	1	39.42	-104.74
2	96.07	-66.46	-13.00	-53.46	1.00 H	288	42.89	-109.35
3	136.84	-68.49	-13.00	-55.49	1.50 H	173	36.15	-104.64
4	195.88	-63.29	-13.00	-50.29	1.00 H	332	43.49	-106.78
5	266.17	-64.73	-13.00	-51.73	1.50 H	4	39.05	-103.78
6	422.22	-57.04	-13.00	-44.04	1.00 H	9	43.57	-100.61

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 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.

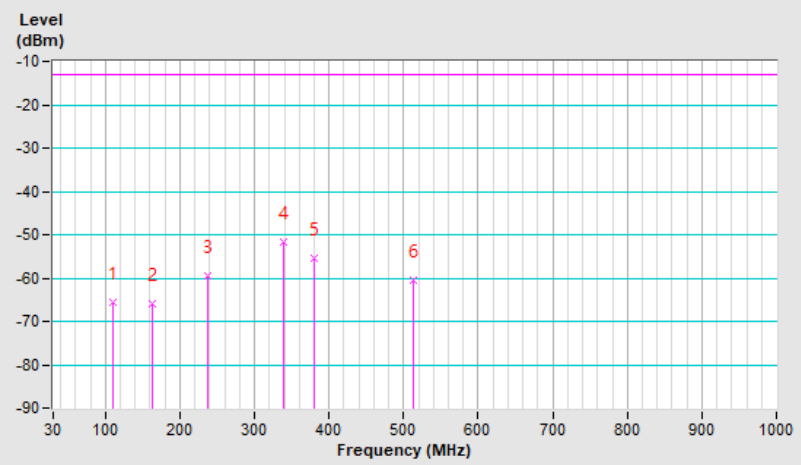


RF Mode	NR n77 Channel Bandwidth: 100MHz	Channel	CH 662000：3930 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis Lee		

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	110.13	-65.71	-13.00	-52.71	1.00 V	286	41.34	-107.05
2	163.55	-65.91	-13.00	-52.91	1.50 V	154	37.99	-103.90
3	238.06	-59.56	-13.00	-46.56	1.50 V	354	45.62	-105.18
4	339.28	-51.73	-13.00	-38.73	1.00 V	123	50.35	-102.08
5	380.04	-55.33	-13.00	-42.33	1.00 V	8	45.90	-101.23
6	512.19	-60.65	-13.00	-47.65	1.00 V	4	38.23	-98.88

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.



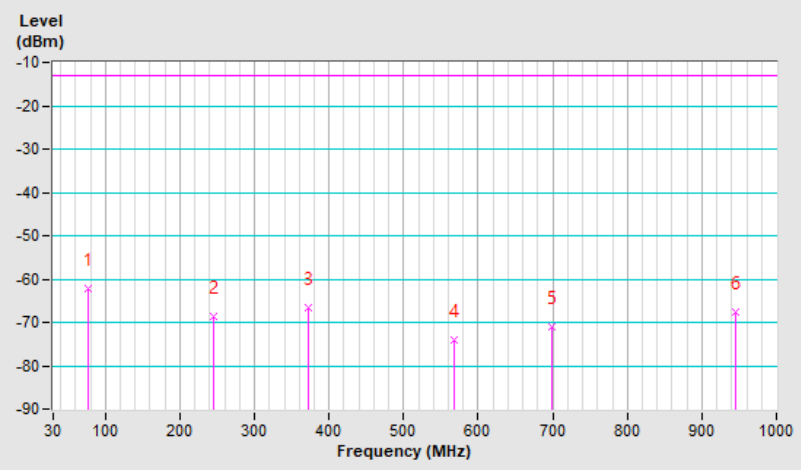
7.2.15NR n77 (3700-3980 MHz) SCS 30 kHz (MIMO)

RF Mode	NR n77 Channel Bandwidth: 100MHz	Channel	CH 650000：3750 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	77.53	-62.19	-13.00	-49.19	2.00 H	2	45.43	-107.62
2	244.37	-68.80	-13.00	-55.80	1.00 H	272	35.95	-104.75
3	372.41	-66.62	-13.00	-53.62	1.50 H	259	34.71	-101.33
4	568.35	-74.19	-13.00	-61.19	1.00 H	281	23.62	-97.81
5	698.33	-71.13	-13.00	-58.13	1.50 H	13	23.90	-95.03
6	945.68	-67.66	-13.00	-54.66	2.00 H	139	22.08	-89.74

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) + 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.

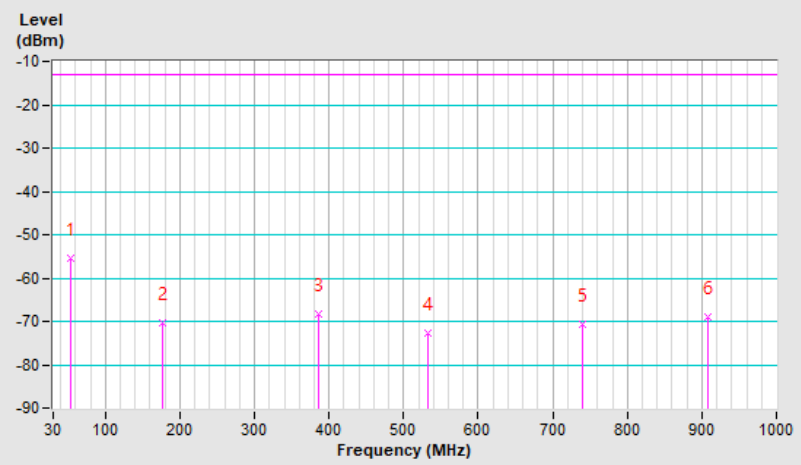


RF Mode	NR n77 Channel Bandwidth: 100MHz	Channel	CH 650000：3750 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis Lee		

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	53.28	-55.26	-13.00	-42.26	1.00 V	39	48.71	-103.97
2	177.44	-70.46	-13.00	-57.46	1.00 V	15	34.47	-104.93
3	385.02	-68.15	-13.00	-55.15	1.00 V	1	33.02	-101.17
4	533.43	-72.72	-13.00	-59.72	1.50 V	320	25.87	-98.59
5	740.04	-70.77	-13.00	-57.77	1.00 V	254	22.89	-93.66
6	908.82	-69.01	-13.00	-56.01	2.00 V	14	21.57	-90.58

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.



7.3 Radiated Spurious Emissions above 1GHz

7.3.1 NR n2 SCS 15 kHz

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	23°C, 67% RH
Tested By	Luis 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	3760.00	-48.26	-13.00	-35.26	1.74 H	156	40.17	-88.43
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	3760.00	-49.00	-13.00	-36.00	2.13 V	105	39.43	-88.43

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

7.3.2 NR n5 SCS 15 kHz

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	23°C, 67% RH
Tested By	Luis Lee		

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	-57.19	-13.00	-44.19	1.96 H	200	42.78	-99.97
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	-58.47	-13.00	-45.47	1.80 V	48	41.50	-99.97

Remarks:

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

7.3.3 NR n7 SCS 15 kHz

RF Mode	NR n7 Channel Bandwidth: 20MHz	Channel	CH 512000：2560 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	5120.00	-42.44	-25.00	-17.44	1.96 H	233	40.07	-82.51
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	5120.00	-43.83	-25.00	-18.83	1.55 V	78	38.68	-82.51

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.

7.3.4 NR n25 SCS 15 kHz

RF Mode	NR n25 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	23°C, 67% RH
Tested By	Luis 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	3720.00	-48.18	-13.00	-35.18	1.96 H	211	40.49	-88.67
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	-48.85	-13.00	-35.85	1.40 V	301	39.82	-88.67

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.

7.3.5 NR n30 SCS 15 kHz

RF Mode	NR n30 Channel Bandwidth: 10MHz	Channel	CH 462000：2310 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	**4620.00**	**-45.59**	**-40.00**	**-5.59**	**1.83 H**	**190**	**39.20**	**-84.79**
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	4620.00	-45.89	-40.00	-5.89	1.44 V	163	38.90	-84.79

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

7.3.6 NR n38 SCS 30 kHz (SISO)

RF Mode	NR n38 Channel Bandwidth: 40MHz	Channel	CH 519000：2595 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	5190.00	-44.08	-25.00	-19.08	2.14 H	163	38.74	-82.82
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5190.00	-44.79	-25.00	-19.79	1.62 V	104	38.03	-82.82

Remarks:

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

7.3.7 NR n38 SCS 30 kHz (MIMO)

RF Mode	NR n38 Channel Bandwidth: 40MHz	Channel	CH 51800：2590 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	5160.00	-44.06	-25.00	-19.06	2.16 H	166	38.56	-82.62
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	5160.00	-44.87	-25.00	-19.87	1.58 V	123	37.75	-82.62

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.

7.3.8 NR n41 SCS 30 kHz (SISO)

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	23°C, 67% RH
Tested By	Luis 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	-43.68	-25.00	-18.68	1.42 H	201	39.12	-82.80
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	-44.35	-25.00	-19.35	1.96 V	23	38.45	-82.80

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.

7.3.9 NR n41 SCS 30 kHz (MIMO)

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	23°C, 67% RH
Tested By	Luis 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	-43.95	-25.00	-18.95	1.35 H	197	38.85	-82.80
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	-44.68	-25.00	-19.68	1.82 V	32	38.12	-82.80

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.

7.3.10NR n66 SCS 15 kHz

RF Mode	NR n66 Channel Bandwidth: 30MHz	Channel	CH 345000：1725 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	3450.00	-49.65	-13.00	-36.65	1.48 H	22	40.87	-90.52
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	3450.00	-50.24	-13.00	-37.24	2.10 V	174	40.28	-90.52

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.

7.3.11NR n71 SCS 15 kHz

RF Mode	NR n71 Channel Bandwidth: 20MHz	Channel	CH 137600：688 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1376.00	-57.50	-13.00	-44.50	1.34 H	19	42.60	-100.10
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1376.00	-58.45	-13.00	-45.45	1.72 V	152	41.65	-100.10

Remarks:

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

7.3.12NR n77 (3450-3550 MHz) SCS 30 kHz (SISO)

RF Mode	NR n77 Channel Bandwidth: 20MHz	Channel	CH 630668：3460.02 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	6920.04	-37.39	-13.00	-24.39	1.98 H	82	41.46	-78.85
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	6920.04	-38.57	-13.00	-25.57	2.16 V	151	40.28	-78.85

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: 20MHz	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	23°C, 67% RH
Tested By	Luis 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	7000.02	-36.44	-13.00	-23.44	1.96 H	84	41.83	-78.27
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	7000.02	-37.39	-13.00	-24.39	2.16 V	155	40.88	-78.27

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: 20MHz	Channel	CH 636000：3540 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	7080.00	-37.27	-13.00	-24.27	1.98 H	81	41.47	-78.74
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7080.00	-38.08	-13.00	-25.08	2.10 V	155	40.66	-78.74

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) + 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: 60MHz	Channel	CH 632000：3480 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	6960.00	-37.16	-13.00	-24.16	1.94 H	85	41.39	-78.55
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	6960.00	-38.13	-13.00	-25.13	2.14 V	158	40.42	-78.55

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: 60MHz	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	23°C, 67% RH
Tested By	Luis 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	7000.02	-36.70	-13.00	-23.70	2.02 H	88	41.57	-78.27
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	7000.02	-37.82	-13.00	-24.82	2.09 V	158	40.45	-78.27

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: 60MHz	Channel	CH 634666：3519.99 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	7039.98	-37.35	-13.00	-24.35	2.04 H	85	41.21	-78.56
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7039.98	-37.92	-13.00	-24.92	2.18 V	153	40.64	-78.56

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.

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	23°C, 67% RH
Tested By	Luis 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	7000.02	-36.64	-13.00	-23.64	1.96 H	88	41.63	-78.27
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	7000.02	-37.80	-13.00	-24.80	2.19 V	151	40.47	-78.27

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.

7.3.13NR n77 (3450-3550 MHz) SCS 30 kHz (MIMO)

RF Mode	NR n77 Channel Bandwidth: 20MHz	Channel	CH 630668：3460.02 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	6920.04	-37.89	-13.00	-24.89	1.93 H	83	40.96	-78.85
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	6920.04	-39.08	-13.00	-26.08	2.14 V	147	39.77	-78.85

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: 20MHz	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	23°C, 67% RH
Tested By	Luis 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	7000.02	-36.95	-13.00	-23.95	1.00 H	82	41.32	-78.27
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	7000.02	-37.95	-13.00	-24.95	2.14 V	153	40.32	-78.27

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: 20MHz	Channel	CH 636000：3540 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	7080.00	-37.74	-13.00	-24.74	1.96 H	79	41.00	-78.74
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7080.00	-38.60	-13.00	-25.60	2.13 V	157	40.14	-78.74

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) + 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: 60MHz	Channel	CH 632000：3480 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	6960.00	-37.69	-13.00	-24.69	1.93 H	82	40.86	-78.55
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	6960.00	-38.67	-13.00	-25.67	2.17 V	163	39.88	-78.55

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: 60MHz	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	23°C, 67% RH
Tested By	Luis 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	7000.02	-37.22	-13.00	-24.22	2.04 H	93	41.05	-78.27
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	7000.02	-38.33	-13.00	-25.33	2.04 V	143	39.94	-78.27

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: 60MHz	Channel	CH 634666：3519.99 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	7039.98	-37.86	-13.00	-24.86	2.06 H	77	40.70	-78.56
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7039.98	-38.37	-13.00	-25.37	2.19 V	155	40.19	-78.56

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.

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	23°C, 67% RH
Tested By	Luis 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	7000.02	-37.09	-13.00	-24.09	1.93 H	91	41.18	-78.27
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	7000.02	-38.31	-13.00	-25.31	2.14 V	146	39.96	-78.27

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.

7.3.14NR n77 (3700-3980 MHz) SCS 30 kHz (SISO)

RF Mode	NR n77 Channel Bandwidth: 20MHz	Channel	CH 647334：3710.01 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	7420.02	-36.16	-13.00	-23.16	1.99 H	82	41.37	-77.53
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7420.02	-36.81	-13.00	-23.81	2.18 V	157	40.72	-77.53

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: 20MHz	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	23°C, 67% RH
Tested By	Luis 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	7680.00	-36.48	-13.00	-23.48	2.03 H	87	41.68	-78.16
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	-37.81	-13.00	-24.81	2.16 V	156	40.35	-78.16

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 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: 20MHz	Channel	CH 664666：3969.99 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	7939.98	-35.67	-13.00	-22.67	2.03 H	86	41.78	-77.45
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7939.98	-36.84	-13.00	-23.84	2.12 V	155	40.61	-77.45

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: 60MHz	Channel	CH 648668：3730.02 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	7460.04	-36.06	-13.00	-23.06	2.01 H	88	41.62	-77.68
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	7460.04	-37.07	-13.00	-24.07	2.17 V	152	40.61	-77.68

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: 60MHz	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	23°C, 67% RH
Tested By	Luis 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	7680.00	-36.69	-13.00	-23.69	1.96 H	88	41.47	-78.16
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	-37.36	-13.00	-24.36	2.09 V	155	40.80	-78.16

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 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: 60MHz	Channel	CH 663332：3949.98 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	7899.96	-36.01	-13.00	-23.01	2.04 H	83	41.56	-77.57
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	7899.96	-36.77	-13.00	-23.77	2.10 V	157	40.80	-77.57

Remarks:

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

RF Mode	NR n77 Channel Bandwidth: 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	23°C, 67% RH
Tested By	Luis 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	7500.00	-36.32	-13.00	-23.32	1.94 H	86	41.38	-77.70
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	7500.00	-37.22	-13.00	-24.22	2.17 V	157	40.48	-77.70

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) + 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	23°C, 67% RH
Tested By	Luis 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	7680.00	-35.40	-13.00	-22.40	1.99 H	87	42.76	-78.16
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	-37.36	-13.00	-24.36	2.09 V	153	40.80	-78.16

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 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	23°C, 67% RH
Tested By	Luis 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	7860.00	-35.81	-13.00	-22.81	1.98 H	88	41.65	-77.46
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	-36.94	-13.00	-23.94	2.10 V	154	40.52	-77.46

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.

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

RF Mode	NR n77 Channel Bandwidth: 20MHz	Channel	CH 647334：3710.01 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	7420.02	-36.65	-13.00	-23.65	1.93 H	78	40.88	-77.53
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7420.02	-37.36	-13.00	-24.36	2.16 V	153	40.17	-77.53

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: 20MHz	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	23°C, 67% RH
Tested By	Luis 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	7680.00	-37.03	-13.00	-24.03	2.04 H	82	41.13	-78.16
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	-38.34	-13.00	-25.34	2.14 V	153	39.82	-78.16

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 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: 20MHz	Channel	CH 664666：3969.99 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	7939.98	-36.19	-13.00	-23.19	2.16 H	79	41.26	-77.45
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7939.98	-37.38	-13.00	-24.38	2.11 V	152	40.07	-77.45

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: 60MHz	Channel	CH 648668：3730.02 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	7460.04	-36.50	-13.00	-23.50	1.96 H	76	41.18	-77.68
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	7460.04	-37.54	-13.00	-24.54	2.13 V	142	40.14	-77.68

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: 60MHz	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	23°C, 67% RH
Tested By	Luis 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	7680.00	-37.23	-13.00	-24.23	1.87 H	76	40.93	-78.16
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	-37.84	-13.00	-24.84	2.04 V	163	40.32	-78.16

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 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: 60MHz	Channel	CH 663332：3949.98 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23°C, 67% RH
Tested By	Luis 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	7899.96	-36.47	-13.00	-23.47	2.01 H	76	41.10	-77.57
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	7899.96	-37.00	-13.00	-24.00	2.13 V	152	40.57	-77.57

Remarks:

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

RF Mode	NR n77 Channel Bandwidth: 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	23°C, 67% RH
Tested By	Luis 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	7500.00	-36.87	-13.00	-23.87	1.91 H	82	40.83	-77.70
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	7500.00	-37.77	-13.00	-24.77	2.13 V	153	39.93	-77.70

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) + 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	23°C, 67% RH
Tested By	Luis 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	7680.00	-35.92	-13.00	-22.92	1.93 H	67	42.24	-78.16
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	-37.84	-13.00	-24.84	2.14 V	146	40.32	-78.16

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 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	23°C, 67% RH
Tested By	Luis 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	7860.00	-36.29	-13.00	-23.29	1.87 H	93	41.17	-77.46
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	-37.42	-13.00	-24.42	2.12 V	157	40.04	-77.46

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.

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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