



FCC RF Test Report

APPLICANT : Nokia Shanghai Bell Co., Ltd.
EQUIPMENT : Nokia FastMile 5G Receiver
BRAND NAME : Nokia
MODEL NAME : 5G16-B
FCC ID : 2ADZR5G16B
STANDARD : 47 CFR Part 2, 22, 27,90S
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Jun. 24, 2024 ~ Jul. 12, 2024

We, Sporton International Inc. (Shenzhen), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Shenzhen), the test report shall not be reproduced except in full.

Jason Jia



Approved by: Jason Jia

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People's Republic of China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG341901-02G	Rev. 01	Initial issue of report	Jul. 26, 2024



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
4.4	§2.1046	Conducted Output Power (5G NR n5, n12, n26, n26(90S), n71) (5G NR n77)	Reporting Only	PASS	-
	§2.1046 §27.50(h)(2)	Conducted Output Power (5G NR n7, n38, n41)	< 2Watt		
	§22.913(a)(5)	Effective Radiated Power (5G NR n5, n26)	ERP < 7 Watt		
	§24.232(c) §27.50(h)(2)	Equivalent Isotropic Radiated Power (5G NR n7, n38, n41)	Reporting Only		
	§27.50(c)(3)	Effective Radiated Power (5G NR n12)	ERP < 1000 Watt		
	§27.50(c)(10)	Effective Radiated Power (5G NR n71)	ERP < 3 Watt		
	§27.50(j)(3) §27.50 (k)(2)	Equivalent Isotropic Radiated Power (5G NR n77)	EIRP < 1640 Watt		
5.4	§2.1053 §22.917(a) §27.53(g) §27.53(l)(2) §27.53 (n)(2) §90.691	Radiated Spurious Emission (5G NR n5, n12, n26, n26(90S), n71) (5G NR n77)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 9.66 dB at 14464.000 MHz
	§27.53(m)(2)(v)	Radiated Spurious Emission (5G NR n7, n38, n41)	< 43+10log ₁₀ (P[Watts])		

Conformity Assessment Condition:

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
- The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



1 General Description

1.1 Applicant

Nokia Shanghai Bell Co., Ltd.

388#, Ningqiao Road, China (Shanghai) Pilot Free Trade Zone, Shanghai 201206, China

1.2 Manufacturer

Nokia Solutions and Networks Oy

Karakaari 7, 02610 Espoo, Finland

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Nokia FastMile 5G Receiver
Brand Name	Nokia
Model Name	5G16-B
FCC ID	2ADZR5G16B
IMEI Code	Conducted: 358937920000081 Radiation: 358937920000248
HW Version	3TG02508Axxx(x:A~Z)
SW Version	5GReceiver-HG-2_D240200BieT0001E0643
EUT Stage	Identical Prototype

Note: There are two Samples under test, Sample 1 is 1st antenna, Sample 2 is 2nd antenna and they are with the same Gain but different manufacturers. According to the difference, we choose sample 1 to full test and the sample 2 is verified the worse case for Radiation Spurious Emission among NR WWAN Bands which can refer to FG341901-02H

Specification of Accessory			
AC Adapter	Brand Name	NOKIA	Model Name G1418B-540-028-2.5G



1.4 Product Specification of Equipment Under Test

Standards-related Product Specification						
Tx Frequency	5G NR n5 : 824 MHz - 849 MHz 5G NR n7 : 2500 MHz - 2570 MHz 5G NR n12 : 699 MHz - 716 MHz 5G NR n26(22H) : 824 MHz - 849 MHz 5G NR n26(90S) : 814 - 824 MHz 5G NR n38 : 2570 MHz - 2620 MHz 5G NR n41 : 2496 MHz - 2690 MHz 5G NR n71: 663 MHz - 698 MHz 5G NR n77: 3450 MHz - 3550 MHz; 3700 MHz - 3980 MHz					
Rx Frequency	5G NR n5 : 869 MHz - 894 MHz 5G NR n7 : 2620 MHz - 2690 MHz 5G NR n12: 729 MHz - 746 MHz 5G NR n26(22H) : 869 MHz - 894 MHz 5G NR n26(90S) : 859 - 869 MHz 5G NR n38: 2570 MHz - 2620 MHz 5G NR n41 : 2496 MHz - 2690 MHz 5G NR n71: 617 MHz - 652 MHz 5G NR n77: 3450 MHz - 3550 MHz; 3700 MHz - 3980 MHz					
Bandwidth	15kHz: n5: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz n7: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz / 30MHz/ 40MHz / 50MHz n12: 5MHz/ 10MHz/ 15MHz n26/n71: 5MHz / 10MHz / 15MHz / 20MHz 30kHz: n38: 10MHz/ 15MHz/ 20MHz/ 25MHz/ 30MHz/ 40MHz n41 : 10MHz/ 15MHz/ 20MHz/ 30MHz/ 35MHz/ 40MHz/ 50MHz/ 60MHz/ 70MHz/ 80MHz/ 90MHz/ 100MHz n77: 10MHz/ 15MHz/ 20MHz/ 25MHz/ 30MHz/ 40MHz/ 50MHz/ 60MHz/ 70MHz/ 80MHz/ 90MHz/ 100MHz					
SCS	15kHz for FDD Bands, 30kHz for TDD Band					
Antenna Gain	NR Band	Mode	Ant. 0	Ant. 1	Ant. 4	Ant. 5
	n5	SA	2.3dBi	-	-	-
		NSA	2.3dBi	-	-	-
	n7	SA	2.8dBi	-	-	-
		NSA	2.8dBi	2.0dBi	-	-
	n12	SA	1.8 dBi	-	-	-
		NSA	1.8 dBi	-	-	-
	n26	SA	2.3 dBi	-	-	-
		NSA	2.3dBi	2.9 dBi	-	-
	n38	SA	-	2.0 dBi	-	-
		NSA/CA	2.8 dBi	2.0dBi	-	-
		UL MIMO	1.8 dBi		-	-
	n41	SA	-	2.0 dBi	-	-
		NSA/CA	2.8 dBi	2.0dBi	-	-
		UL MIMO	1.8 dBi		-	-
	n71	SA	1.0dBi	-	-	-
		NSA	1.0dBi	-	-	-
	n77	SA	-	-	-	10 dBi
		NSA/CA	-	-	9.3 dBi	10dBi
		UL MIMO	-	-	9.3 dBi	



Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM
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Remark:

1. The maximum ERP/EIRP is calculated from max output power and max antenna gain, only the maximum ERP/EIRP of Ant.0 for 5G NR n5/n7/n12/n26/n71, Ant.1 for 5G NR n38/n41 and Ant.5 for 5G NR n77 are shown in the report.
2. 5G NR n41 support ENDC_(n)41AA & , the max power test three conditions: LTE Max & NR Min / LTE Min & NR Max / LTE & NR Averaged, the maximum EIRP only show NR Max, and the other items only test LTE & NR Averaged, due to the LTE Max and NR Max have been tested stand alone mode separately.
3. 5G NR n38/n41/n77 Single Carrier, 5G NR n38 MIMO and ENDC_(n)41AA support Power class 2, and n41/n77 MIMO support Power class 1.5.
4. 5G NR n41C/n77C supports Power class 3.
5. 5G NR n38/n41 support UL MIMO mode for Antenna 0+1.
6. 5G NR n77 support UL MIMO mode for Antenna 5+4.
7. 5G NR UL_MIMO mode is completely uncorrelated, the conducted BE/Spurious are tested at single antenna port and add 10*log(NANT) according to KDB 662911 D01.
8. All the supported ENDC combinations are verified conducted power, only the ENDC combination with highest power are shown in the report.
9. The EN-DC mode combination could be referred to the product spec.
10. 5G NR n26 only support SA mode, n5/n7/n12/n38/n41/n71/n77 support SA mode and NSA mode. According to the maximum power between SA and NSA mode, NSA covers SA for 5G NR n7 and SA covers NSA mode for others bands.

1.5 Modification of EUT

No modifications are made to the EUT during all test items.



1.6 Maximum ERP/EIRP Power or Conudcted Power and Emission Designator

5G NR n5 – SCS 15k		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	826.5 – 846.5	0.2328	-	0.1991	-
10	829.0 – 844.0	0.2360	-	0.1977	-
15	831.5 – 841.5	0.2328	-	0.2004	-
20	834.0 – 839.0	0.2355	-	0.2018	-
25	836.5	0.2427	-	0.1879	-

ENDC n7+2A – SCS 30k		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Emission Designator (99%OBW)	Maximum Conducted power (W)	Emission Designator (99%OBW)
5	2502.5 – 2567.5	0.2208	-	0.1644	-
10	2505.0 – 2565.0	0.2193	-	0.1683	-
15	2507.5 – 2562.5	0.2218	-	0.1687	-
20	2510.0 – 2560.0	0.2228	-	0.1694	-
25	2512.5 – 2557.5	0.2128	-	0.1644	-
30	2515.0 – 2555.0	0.2178	-	0.1652	-
40	2520.0 – 2550.0	0.2118	-	0.1648	-
50	2525.0 – 2545.0	0.2301	-	0.1779	-

5G NR n12 – SCS 15k		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	701.5 – 713.5	0.2228	-	0.1795	-
10	704.0 – 711.0	0.2234	-	0.1803	-
15	706.5 – 708.5	0.2244	-	0.1807	-



5G NR n26 – SCS 15k		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	826.5 – 846.5	0.2415	-	0.2061	-
10	829.0 – 844.0	0.2404	-	0.2070	-
15	831.5 – 841.5	0.2404	-	0.2046	-
20	834.0 – 839.0	0.2432	-	0.2099	-

5G NR n26 (90S) – SCS 15k		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power(W)	Emission Designator (99%OBW)	Maximum Conducted power(W)	Emission Designator (99%OBW)
5	816.5 – 821.5	0.2275	-	0.1923	-
10	819	0.2254	-	0.1892	-
15	821.5	0.2244	-	0.1932	-
20	824	0.2286	-	0.1936	-

5G NR n38 – SCS 30k		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Emission Designator (99%OBW)	Maximum Conducted power (W)	Emission Designator (99%OBW)
10	2575.0 – 2615.0	0.3828	-	0.3090	-
15	2577.5 – 2612.5	0.3811	-	0.3112	-
20	2580.0 – 2610.0	0.3828	-	0.3148	-
25	2582.5 – 2607.5	0.3999	-	0.3184	-
30	2585.0 – 2605.0	0.3811	-	0.3112	-
40	2590.0 – 2600.0	0.4074	-	0.3119	-

5G NR n38 UL MIMO – SCS 30k		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Emission Designator (99%OBW)	Maximum Conducted power (W)	Emission Designator (99%OBW)
10	2575.0 – 2615.0	0.4194	-	0.3190	-
15	2577.5 – 2612.5	0.4159	-	0.3127	-
20	2580.0 – 2610.0	0.4055	-	0.3137	-
25	2582.5 – 2607.5	0.4027	-	0.3109	-
30	2585.0 – 2605.0	0.3803	-	0.3048	-
40	2590.0 – 2600.0	0.4293	-	0.3511	-



5G NR n71 – SCS 15k		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	665.5 – 695.5	0.1758	-	0.1374	-
10	668.0 – 693.0	0.1742	-	0.1374	-
15	670.5 – 690.5	0.1702	-	0.1355	-
20	673.0 – 688.0	0.1782	-	0.1387	-

5G NR n41 – SCS 30k		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Emission Designator (99%OBW)	Maximum Conducted power (W)	Emission Designator (99%OBW)
10	2501.01 – 2685.00	0.3981	-	0.3155	-
15	2503.50 – 2682.48	0.3864	-	0.3126	-
20	2506.02 – 2679.99	0.3882	-	0.3206	-
30	2511.00 – 2674.98	0.3802	-	0.2958	-
35	2513.52 – 2672.49	0.3698	-	0.3048	-
40	2516.01 – 2670.00	0.3698	-	0.3069	-
50	2521.02 – 2664.99	0.3565	-	0.2965	-
60	2526.00 – 2659.98	0.3524	-	0.2938	-
70	2531.01 – 2655.00	0.3573	-	0.2924	-
80	2536.02 – 2649.99	0.3614	-	0.2911	-
90	2541.00 – 2644.98	0.3589	-	0.2897	-
100	2546.01 – 2640.00	0.4365	-	0.3373	-

5G NR n41 UL MIMO – SCS 30k		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Emission Designator (99%OBW)	Maximum Conducted power (W)	Emission Designator (99%OBW)
10	2501.01 – 2685.00	0.8072	-	0.6180	-
15	2503.50 – 2682.48	0.7885	-	0.6110	-
20	2506.02 – 2679.99	0.7935	-	0.6153	-
30	2511.00 – 2674.98	0.7331	-	0.5869	-
35	2513.52 – 2672.49	0.7221	-	0.5757	-
40	2516.01 – 2670.00	0.7270	-	0.5800	-
50	2521.02 – 2664.99	0.6956	-	0.5478	-
60	2526.00 – 2659.98	0.6975	-	0.5782	-
70	2531.01 – 2655.00	0.7054	-	0.5674	-
80	2536.02 – 2649.99	0.6826	-	0.5347	-
90	2541.00 – 2644.98	0.6825	-	0.5297	-
100	2546.01 – 2640.00	0.8167	-	0.6385	-



EN_DC_(n)41AA – SCS 30k		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)		Maximum Conducted power (W)	Emission Designator (99%OBW)	Maximum Conducted power (W)	Emission Designator (99%OBW)
NR BW10MHz	LTE BW20MHz	0.3581	-	0.2965	-
NR BW 15MHz	LTE BW20MHz	0.3614	-	0.3041	-
NR BW 20MHz	LTE BW20MHz	0.3750	-	0.2793	-
NR BW 30MHz	LTE BW20MHz	0.3715	-	0.3069	-
NR BW 35MHz	LTE BW20MHz	0.3882	-	0.3055	-
NR BW 40MHz	LTE BW20MHz	0.3741	-	0.3041	-
NR BW 50MHz	LTE BW20MHz	0.3614	-	0.2924	-
NR BW 60MHz	LTE BW20MHz	0.3540	-	0.3062	-
NR BW 70MHz	LTE BW20MHz	0.3758	-	0.3055	-
NR BW 80MHz	LTE BW20MHz	0.3873	-	0.3041	-
NR BW 90MHz	LTE BW20MHz	0.3589	-	0.2871	-
NR BW 100MHz	LTE BW20MHz	0.4111	-	0.3350	-

5G NR n41C		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)		Maximum Conducted power (W)	Emission Designator (99%OBW)	Maximum Conducted power (W)	Emission Designator (99%OBW)
10MHz+100MHz		0.0453	-	0.0306	-
15MHz+90MHz		0.0678	-	0.0456	-
15MHz+100MHz		0.0687	-	0.0456	-
20MHz+90MHz		0.0716	-	0.0480	-
20MHz+100MHz		0.0716	-	0.0467	-
30MHz+80MHz		0.0791	-	0.0566	-
30MHz+90MHz		0.0813	-	0.0529	-
30MHz+100MHz		0.0785	-	0.0513	-
40MHz+80MHz		0.0730	-	0.0484	-
40MHz+90MHz		0.0726	-	0.0487	-
40MHz+100MHz		0.0826	-	0.0543	-
50MHz+60MHz		0.0753	-	0.0500	-
50MHz+80MHz		0.0815	-	0.0552	-
50MHz+90MHz		0.0733	-	0.0470	-
50MHz+100MHz		0.0710	-	0.0473	-
60MHz+50MHz		0.0747	-	0.0500	-
60MHz+60MHz		0.0747	-	0.0496	-
60MHz+80MHz		0.0705	-	0.0460	-
60MHz+90MHz		0.0728	-	0.0484	-



60MHz+100MHz	0.0718	-	0.0478	-
80MHz+30MHz	0.1069	-	0.0723	-
80MHz+40MHz	0.0759	-	0.0500	-
80MHz+50MHz	0.0863	-	0.0574	-
80MHz+60MHz	0.0780	-	0.0502	-
80MHz+80MHz	0.0753	-	0.0496	-
80MHz+90MHz	0.0752	-	0.0484	-
80MHz+100MHz	0.0753	-	0.0496	-
90MHz+15MHz	0.1077	-	0.0723	-
90MHz+20MHz	0.1074	-	0.0723	-
90MHz+30MHz	0.1072	-	0.0723	-
90MHz+40MHz	0.0767	-	0.0507	-
90MHz+50MHz	0.0778	-	0.0500	-
90MHz+60MHz	0.0759	-	0.0496	-
90MHz+80MHz	0.0759	-	0.0489	-
90MHz+90MHz	0.0747	-	0.0491	-
90MHz+100MHz	0.0752	-	0.0489	-
100MHz+10MHz	0.1079	-	0.0723	-
100MHz+15MHz	0.1079	-	0.0723	-
100MHz+20MHz	0.1077	-	0.0718	-
100MHz+30MHz	0.1055	-	0.0708	-
100MHz+40MHz	0.0787	-	0.0507	-
100MHz+50MHz	0.0760	-	0.0491	-
100MHz+60MHz	0.0757	-	0.0492	-
100MHz+80MHz	0.0752	-	0.0492	-
100MHz+90MHz	0.1087	-	0.1074	-



5G NR n77 SA (270) for SCS 30kHz		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10	3705.00 – 3975.00	4.2560	-	3.4119	-
15	3705.52 – 3972.48	4.1976	-	3.2734	-
20	3710.01 – 3969.99	4.1495	-	3.2434	-
25	3712.50 – 3967.50	4.2462	-	3.3497	-
30	3715.02 – 3964.98	4.1879	-	3.2659	-
40	3720.00 – 3960.00	4.2267	-	3.3113	-
50	3725.01 – 3954.99	4.1687	-	3.3189	-
60	3730.02 – 3949.98	4.3251	-	3.3189	-
70	3735.00 – 3945.00	4.2073	-	3.3343	-
80	3740.01 – 3939.99	4.3152	-	3.3189	-
90	3745.02 – 3934.98	4.2267	-	3.3343	-
100	3750.00 – 3930.00	4.4055	-	3.4594	-

5G NR n77 UL MIMO (270) for SCS 30kHz		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10	3705.00 – 3975.00	6.9823	-	5.5208	-
15	3705.52 – 3972.48	6.8549	-	5.3211	-
20	3710.01 – 3969.99	6.7920	-	5.4325	-
25	3712.50 – 3967.50	6.8549	-	5.4075	-
30	3715.02 – 3964.98	6.6988	-	5.2845	-
40	3720.00 – 3960.00	6.8549	-	5.4954	-
50	3725.01 – 3954.99	6.8549	-	5.3703	-
60	3730.02 – 3949.98	6.7920	-	5.3580	-
70	3735.00 – 3945.00	6.9343	-	5.3703	-
80	3740.01 – 3939.99	6.8234	-	5.3703	-
90	3745.02 – 3934.98	6.7608	-	5.2845	-
100	3750.00 – 3930.00	6.9823	-	5.5208	-



5G NR n77C(270) BW (MHz)	PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10MHz+100MHz	0.4019	-	0.2637	-
15MHz+90MHz	0.6055	-	0.4001	-
15MHz+100MHz	0.5985	-	0.3883	-
20MHz+90MHz	0.6443	-	0.4218	-
20MHz+100MHz	0.6746	-	0.4520	-
25MHz+80MHz	0.6354	-	0.4122	-
25MHz+90MHz	0.6354	-	0.4218	-
25MHz+100MHz	0.6685	-	0.4386	-
30MHz+80MHz	0.6125	-	0.3991	-
30MHz+90MHz	0.6473	-	0.4218	-
30MHz+100MHz	0.6700	-	0.4387	-
40MHz+70MHz	0.6700	-	0.4458	-
40MHz+80MHz	0.6517	-	0.4257	-
40MHz+90MHz	0.7246	-	0.4733	-
40MHz+100MHz	0.2736	-	0.1783	-
50MHz+60MHz	0.6809	-	0.4447	-
50MHz+70MHz	0.6654	-	0.4417	-
50MHz+80MHz	0.7346	-	0.4776	-
50MHz+90MHz	0.7312	-	0.4732	-
50MHz+100MHz	0.7229	-	0.4689	-
60MHz+50MHz	0.6824	-	0.4457	-
60MHz+60MHz	0.6746	-	0.4458	-
60MHz+70MHz	0.7016	-	0.4561	-
60MHz+80MHz	0.7015	-	0.4561	-
60MHz+90MHz	0.7262	-	0.4668	-
60MHz+100MHz	0.7179	-	0.4700	-
70MHz+40MHz	0.6856	-	0.4457	-
70MHz+50MHz	0.6872	-	0.4457	-
70MHz+60MHz	0.7346	-	0.4776	-
70MHz+70MHz	0.7657	-	0.4955	-
70MHz+80MHz	0.7500	-	0.4854	-
70MHz+90MHz	0.7781	-	0.5036	-
70MHz+100MHz	0.7535	-	0.4810	-



80MHz+25MHz	0.9864	-	0.6340	-
80MHz+30MHz	0.9706	-	0.6340	-
80MHz+40MHz	0.6809	-	0.4519	-
80MHz+50MHz	0.7466	-	0.4843	-
80MHz+60MHz	0.7674	-	0.5001	-
80MHz+70MHz	0.7587	-	0.4910	-
80MHz+80MHz	0.7710	-	0.4956	-
80MHz+90MHz	0.7500	-	0.4809	-
80MHz+100MHz	0.7675	-	0.4922	-
90MHz+15MHz	0.9819	-	0.6384	-
90MHz+20MHz	0.9684	-	0.6296	-
90MHz+25MHz	0.9796	-	0.6340	-
90MHz+30MHz	1.0234	-	0.7981	-
90MHz+40MHz	0.7675	-	0.4967	-
90MHz+50MHz	0.7890	-	0.5153	-
90MHz+60MHz	0.7908	-	0.5024	-
90MHz+70MHz	0.7569	-	0.4854	-
90MHz+80MHz	0.7657	-	0.4888	-
90MHz+90MHz	0.7535	-	0.4843	-
90MHz+100MHz	0.7746	-	0.4921	-
100MHz+10MHz	0.9729	-	0.6355	-
100MHz+15MHz	0.9662	-	0.6296	-
100MHz+20MHz	1.0164	-	0.6623	-
100MHz+25MHz	1.0281	-	0.6685	-
100MHz+30MHz	1.0941	-	0.7097	-
100MHz+40MHz	0.7746	-	0.4967	-
100MHz+50MHz	0.7890	-	0.5036	-
100MHz+60MHz	0.7604	-	0.4921	-
100MHz+70MHz	0.7675	-	0.4910	-
100MHz+80MHz	0.7584	-	0.4854	-
100MHz+90MHz	0.7963	-	0.5153	-
100MHz+100MHz	1.1093	-	1.1068	-



5G NR n77 SA(27Q) for SCS 30kHz		PI/2 BPSK / QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10	3455.01 – 3544.98	4.0179	-	3.1623	-
15	3457.50 – 3542.49	4.1020	-	3.1696	-
20	3460.02 – 3540.00	4.0272	-	3.1842	-
25	3462.51 – 3537.48	4.0738	-	3.1842	-
30	3465.00 – 3534.99	4.0272	-	3.1989	-
40	3470.01 – 3529.98	4.0458	-	3.2063	-
50	3475.02 – 3525.00	4.1210	-	3.2211	-
60	3480.00 – 3519.99	4.0738	-	3.2359	-
70	3485.01 – 3514.98	4.1115	-	3.2434	-
80	3490.02 – 3510.00	4.2560	-	3.2285	-
90	3495.00 – 3504.99	4.2073	-	3.2885	-
100	3500.01	4.2560	-	3.3113	-

5G NR n77 UL MIMO (27Q)for SCS 30kHz		PI/2 BPSK / QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10	3455.01 – 3544.98	6.4565	-	5.1642	-
15	3457.50 – 3542.49	6.5013	-	5.1761	-
20	3460.02 – 3540.00	6.6069	-	5.1880	-
25	3462.51 – 3537.48	6.4863	-	5.1050	-
30	3465.00 – 3534.99	6.5766	-	5.1880	-
40	3470.01 – 3529.98	6.5013	-	5.2119	-
50	3475.02 – 3525.00	6.6834	-	5.2360	-
60	3480.00 – 3519.99	6.5615	-	5.2966	-
70	3485.01 – 3514.98	6.7453	-	5.2723	-
80	3490.02 – 3510.00	6.7453	-	5.2602	-
90	3495.00 – 3504.99	6.6681	-	5.3211	-
100	3500.01	6.8549	-	5.2723	-

Note:

1. All modulations have been tested, only the worst test results of PSK & QAM are shown in the report.
2. 5G NR Band n26 overlaps the entire frequency range of Band n5, therefore the conducted power results of n26 provided in this report cover n5.
3. 5G NR n41AA / n41C / n77C supported bandwidth combinations and frequency are followed 3GPP 38.508-1



1.7 Testing Location

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People’s Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-SZ	CN1256	421272

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People’s Republic of China TEL: +86-755-86066985		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH02-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH02-SZ	AUDIX	E3	6.2009-8-24a

1.9 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 2, 22, 27, 90S
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.



2 Re-use of Measured Data

2.1 Introduction Section

The subject device of this application (Model: 5G16-B, FCC ID: 2ADZR5G16B) is electrically identical to the reference device (Model: 5G16-A, FCC ID: 2ADZR5G16A) for the portions of the circuitry corresponding to the data being re-used.

The applicant takes full responsibility that the test data as referenced in this report represent compliance for this FCC ID: 2ADZR5G16B .

2.2 Model Difference Information

The main difference between FCC ID: 2ADZR5G16A and FCC ID: 2ADZR5G16B is as below:

- Remove 5G NR n78.
- Change the Antenna Gain.
- Change equipment class of Part 96
- Disable 5G NR n71AA by Software

Other differences and all the details of similarity and difference can be found in the confidential documents (5G16-B_Operational Description of Product Equality Declaration).

2.3 Reference detail Section:

Rule Part	Equipment Class	Frequency Band (MHz)	Reference FCC ID (Parent)	Reference on test	Reference Title	FCC ID Filling (Variant)	Test on the variant	Data Referencing (Y/N)
22, 27, 90	PCB (LTE)	n5/n26/n71	2ADZR5G16A	Full test	FG341901G	2ADZR5G16B	Spot check, Full test on Power/ERP/EIRP/RSE	Y, Conducted Items
		n7/n12/n38/n41/n41AA/n41C/n41_UL MIMO /n38_ULMIMO	2ADZR5G16A	Full test	FG341901H	2ADZR5G16B	Spot check, Full test on Power/ERP/EIRP/RSE	Y, Conducted Items
		n26(90S)	2ADZR5G16A	Full test	FG341901I	2ADZR5G16B	Spot check, Full test on Conducted Power /RSE	Y, Conducted Items
		n77/n77C/n77_UL MIMO(27O)	2ADZR5G16A	Full test	FG341901K	2ADZR5G16B	Spot check, Full test on Power/EIRP/RSE	Y, Conducted Items
		n77/n77_UL MIMO (27Q)	2ADZR5G16A	Full test	FG341901L	2ADZR5G16B	Spot check, Full test on Power/EIRP/RSE	Y, Conducted Items

Y: Pointer to spot-check exhibit; N: Pointer to full test exhibit

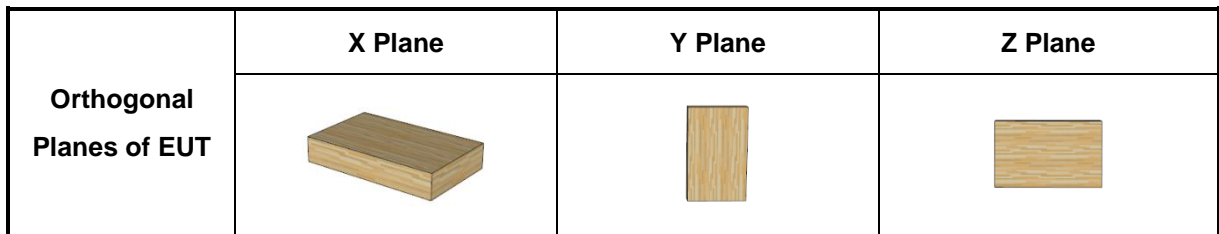
3 Test Configuration of Equipment Under Test

3.1 Test Mode

Antenna port conducted and radiated test items are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

For radiated measurement, pre-scanned flip open and close state in three orthogonal panels X, Y, Z. The worst cases (Y/Z plane) were recorded in this report.

The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.



Test Items	5G NR	Bandwidth (MHz)														Modulation					RB #		Test Channel				
		5	10	15	20	25	30	35	40	45	50-70	80	90	100	PI/2 BPSK	QPSK	16 QAM	64 QAM	256 QAM	1	Full	L	M	H			
Max. Output Power	n5	v	v	v	v	v	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	v	v	
	n7	v	v	v	v	v	v	-	v	-	v	-	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	n12	v	v	v	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	n26	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	n38	-	v	v	v	v	v	-	v	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	n41	-	v	v	v	-	v	v	v	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	n71	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	n77	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
E.R.P /E.I.R.P	n5	v	v	v	v	v	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	v	v	
	n7	v	v	v	v	v	v	-	v	-	v	-	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	n12	v	v	v	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	n26	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	n38	-	v	v	v	v	v	-	v	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	n41	-	v	v	v	-	v	v	v	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	n71	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	n77	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	n5	Worst Case																							v		
	n26	Worst Case																							v		



Test Items	5G NR	Bandwidth (MHz)													Modulation				RB #		Test Channel		
		5	10	15	20	25	30	35	40	45	50-70	80	90	100	PI/2 BPSK	QPSK	16 QAM	64 QAM	256 QAM	1	Full	L	M
	n26(90S)	Worst Case																				v	
	n7	Worst Case																				v	
	n12	Worst Case																				v	
	n41	Worst Case																				v	
	n71	Worst Case																					
	n77	Worst Case																				v	
Note	<ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. Frequency Stability : Normal Voltage = 54V ; Low Voltage =48V. ; High Voltage =57V All test items are based on engineering evaluation. 																						

Test Cases	Band	Bandwidth (MHz)				Modulation	RB #	Test Channel
		eg. 10+20M, 15+20M, 20+20, 30+20M, 35+20M, 40+20M, 50+20M, 60+20M, 70+20M, 80+20M, 90+20M, 100+20M	eg. PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB, Partial RB, Full RB	L/M/H			
Max. Output Power	n41AA	All supported Bandwidth				All Modulation	1RB, Full RB	L, M, H
E.I.R.P	n41AA	All supported Bandwidth				All Modulation	1RB, Full RB	L, M, H
Radiated Spurious Emission	n41AA	Worst case from maximum power					M	
Note:	<ol style="list-style-type: none"> The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. All test items are based on engineering evaluation. Frequency Stability: Normal Voltage = 54V ; Low Voltage = 48V ; High Voltage = 57V. 							



Test Cases	Band	Bandwidth (MHz)	Modulation	RB #	Test Channel
		eg. 10+100M, 15+90M, 15+100, 20+90M, 20+100M, 30+80M, 30+90M, 30+100M, 40+80M, 40+90M, 40+100M, 50+60M, 50+80M, 50+90M, 50+100M, 60+50M, 60+60M, 60+80M, 60+90M, 60+100M, 80+30M, 80+40M, 80+50M, 80+60M, 80+80M, 80+90M, 80+100M, 90+15M, 90+20M, 90+30M, 90+40M, 90+50M, 90+60M, 90+80M, 90+90M, 90+100M, 100+10M, 100+15M, 100+20M, 100+30M, 100+40M, 100+50M, 100+60M, 100+80M, 100+90M	eg. PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB, Partial RB, Full RB	L/M/H
Max. Output Power	n41C	All supported Bandwidth	All Modulation	1RB, Full RB	L, M, H
E.I.R.P	n41C	All supported Bandwidth	All Modulation	1RB, Full RB	L, M, H
Radiated Spurious Emission	n41C	Worst case from maximum power			M

Note:

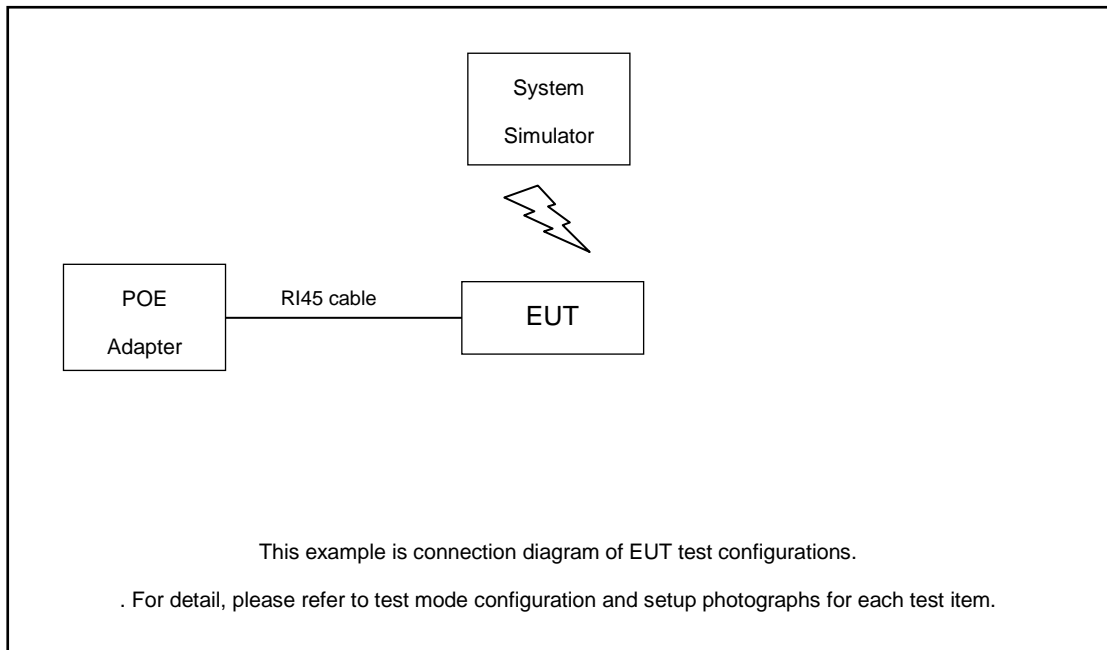
- The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.
- All test items are based on engineering evaluation.
- Frequency Stability: Normal Voltage = 54V ; Low Voltage = 48V ; High Voltage = 57V.

Test Cases	Band	Bandwidth (MHz)	Modulation	RB #	Test Channel
		eg. 10+100M, 15+90M, 15+100, 20+90M, 20+100M, 25+80M, 25+90M, 25+100M, 30+80M, 30+90M, 30+100M, 40+70M, 40+80M, 40+90M, 40+100M, 50+60M, 50+70M, 50+80M, 50+90M, 50+100M, 60+50M, 60+60M, 60+70M, 60+80M, 60+90M, 60+100M, 70+40M, 70+50M, 70+60M, 70+70M, 70+80M, 70+90M, 70+100M, 80+25M, 80+30M, 80+40M, 80+50M, 80+60M, 80+70M, 80+80M, 80+90M, 80+100M, 90+15M, 90+20M, 90+25M, 90+30M, 90+40M, 90+50M, 90+60M, 90+70M, 90+80M, 90+90M, 90+100M, 100+10M, 100+15M, 100+20M, 100+25M, 100+30M, 100+40M, 100+50M, 100+60M, 100+70M, 100+80M, 100+90M, 100+100M	eg. PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB, Partial RB, Full RB	L/M/H
Max. Output Power	n77C	All supported Bandwidth	All Modulation	1RB, Full RB	L, M, H
E.I.R.P	n77C	All supported Bandwidth	All Modulation	1RB, Full RB	L, M, H
Radiated Spurious Emission	n77C	Worst case from maximum power			M

Note:

- The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.
- All test items are based on engineering evaluation.
- Frequency Stability: Normal Voltage = 54V ; Low Voltage = 48V ; High Voltage = 57V.

3.2 Connection Diagram of Test System



The EUT has been configuration operated in a manner tended to maximize its emission characteristics in a typical application.

3.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
2.	Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m



3.4 Frequency List of Low/Middle/High Channels

5G NR n5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
25	Channel	-	167300	-
	Frequency	-	836.5	-
20	Channel	166800	167300	167800
	Frequency	834	836.5	839
15	Channel	166300	167300	168300
	Frequency	831.5	836.5	841.5
10	Channel	165800	167300	168800
	Frequency	829	836.5	844
5	Channel	165300	167300	169300
	Frequency	826.5	836.5	846.5

5G NR n7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
50	Channel	505000	507000	509000
	Frequency	2525	2535	2545
40	Channel	504000	507000	510000
	Frequency	2520	2535	2550
30	Channel	503000	507000	511000
	Frequency	2515	2535	2555
25	Channel	502500	507000	511500
	Frequency	2512.5	2535	2557.5
20	Channel	502000	507000	512000
	Frequency	2510	2535	2560
15	Channel	501500	507000	512500
	Frequency	2507.5	2535	2562.5
10	Channel	501000	507000	513000
	Frequency	2505	2535	2565
5	Channel	500500	507000	513500
	Frequency	2502.5	2535	2567.5



5G NR n12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	141300	141500	141700
	Frequency	706.5	707.5	708.5
10	Channel	140800	141500	142200
	Frequency	704	707.5	711
5	Channel	140300	141500	142700
	Frequency	701.5	707.5	713.5

5G NR n26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	166800	167300	167800
	Frequency	834	836.5	839
15	Channel	166300	167300	168300
	Frequency	831.5	836.5	841.5
10	Channel	165800	167300	168800
	Frequency	829	836.5	844
5	Channel	165300	167300	169300
	Frequency	826.5	836.5	846.5

5G NR n26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	-	164800	-
	Frequency	-	824	-
15	Channel	-	164300	-
	Frequency	-	821.5	-
10	Channel	-	163800	-
	Frequency	-	819	-
5	Channel	163300	163800	164300
	Frequency	816.5	819	821.5



5G NR n38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	518000	519000	520000
	Frequency	2590	2595	2600
30	Channel	517000	519000	521000
	Frequency	2585	2595	2605
25	Channel	516500	519000	521500
	Frequency	2582.5	2595	2607.5
20	Channel	516000	519000	522000
	Frequency	2580	2595	2610
15	Channel	515500	519000	522500
	Frequency	2577.5	2595	2612.5
10	Channel	515000	519000	523000
	Frequency	2575	2595	2615

5G NR n71 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	134600	136100	137600
	Frequency	673	680.5	688
15	Channel	134100	136100	138100
	Frequency	670.5	680.5	690.5
10	Channel	133600	136100	138600
	Frequency	668	680.5	693
5	Channel	133100	136100	139100
	Frequency	665.5	680.5	695.5



5G NR n41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	509202	518598	528000
	Frequency	2546.01	2592.99	2640
90	Channel	508200	518598	528996
	Frequency	2541	2592.99	2644.98
80	Channel	507204	518598	529998
	Frequency	2536.02	2592.99	2649.99
70	Channel	506202	518598	531000
	Frequency	2531.01	2592.99	2655
60	Channel	505200	518598	531996
	Frequency	2526	2592.99	2659.98
50	Channel	504204	518598	532998
	Frequency	2521.02	2592.99	2664.99
40	Channel	503202	518598	534000
	Frequency	2516.01	2592.99	2670
35	Channel	502704	518598	534498
	Frequency	2513.52	2592.99	2672.49
30	Channel	502200	518598	534996
	Frequency	2511	2592.99	2674.98
20	Channel	501204	518598	535998
	Frequency	2506.02	2592.99	2679.99
15	Channel	500700	518598	536496
	Frequency	2503.5	2592.99	2682.48
10	Channel	500202	518598	537000
	Frequency	2501.01	2592.99	2685



5G n77 Channel and Frequency List for 270				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	650000	656000	662000
	Frequency	3750	3840	3930
90	Channel	649668	656000	662332
	Frequency	3745.02	3840	3934.98
80	Channel	649334	656000	662666
	Frequency	3740.01	3840	3939.99
70	Channel	649000	656000	663000
	Frequency	3735	3840	3945
60	Channel	648668	656000	663332
	Frequency	3730.02	3840	3949.98
50	Channel	648334	656000	663666
	Frequency	3725.01	3840	3954.99
40	Channel	648000	656000	664000
	Frequency	3720	3840	3960
30	Channel	647668	656000	664332
	Frequency	3715.02	3840	3964.98
25	Channel	647500	656000	664500
	Frequency	3712.5	3840	3967.5
20	Channel	647334	656000	664666
	Frequency	3710.01	3840	3969.99
15	Channel	647168	656000	664832
	Frequency	3707.52	3840	3972.48
10	Channel	647000	656000	665000
	Frequency	3705	3840	3975



5G n77 Channel and Frequency List for 27Q				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	-	633334	-
	Frequency	-	3500.01	-
90	Channel	633000	633334	633666
	Frequency	3495	3500.01	3504.99
80	Channel	632668	633334	634000
	Frequency	3490.02	3500.01	3510
70	Channel	632334	633334	634332
	Frequency	3485.01	3500.01	3514.98
60	Channel	632000	633334	634666
	Frequency	3480	3500.01	3519.99
50	Channel	631668	633334	635000
	Frequency	3475.02	3500.01	3525
40	Channel	631334	633334	635332
	Frequency	3470.01	3500.01	3529.98
30	Channel	631000	633334	635666
	Frequency	3465	3500.01	3534.99
25	Channel	630834	633334	635832
	Frequency	3462.51	3500.01	3537.48
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540
15	Channel	630500	633334	636166
	Frequency	3457.5	3500.01	3542.49
10	Channel	630334	633334	636332
	Frequency	3455.01	3500.01	3544.98

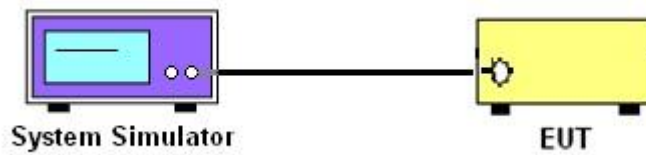
4 Conducted Test Items

4.1 Measuring Instruments

See list of measuring instruments of this test report.

4.2 Test Setup

4.2.1 Conducted Output Power



4.3 Test Result of Conducted Test

Please refer to Appendix A.



4.4 Conducted Output Power and ERP/EIRP

4.4.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP must not exceed 7 Watts for 5G NR n5, n26.

All user stations are limited to 2.0 watts transmitter output power for 5G NR n7, n38 and n41.

The ERP must not exceed 1000 Watts for 5G NR n12.

The ERP must not exceed 3 Watts for 5G NR n71.

The EIRP must not exceed 1640 Watts for 5G NR n77.

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.

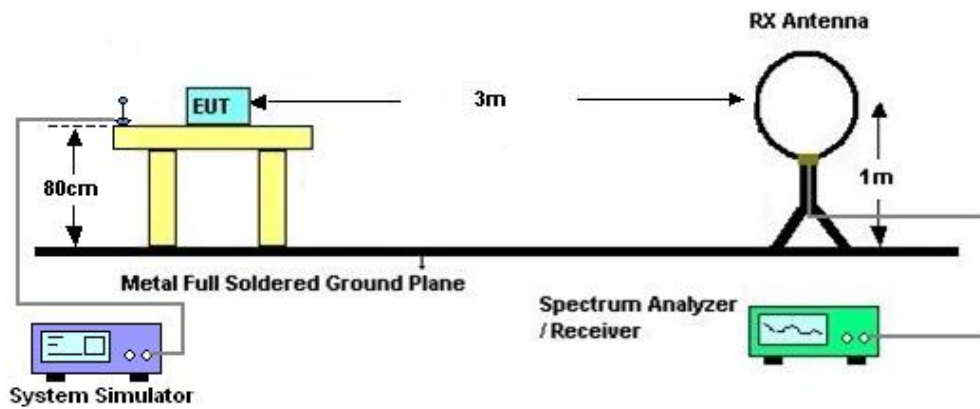
5 Radiated Test Items

5.1 Measuring Instruments

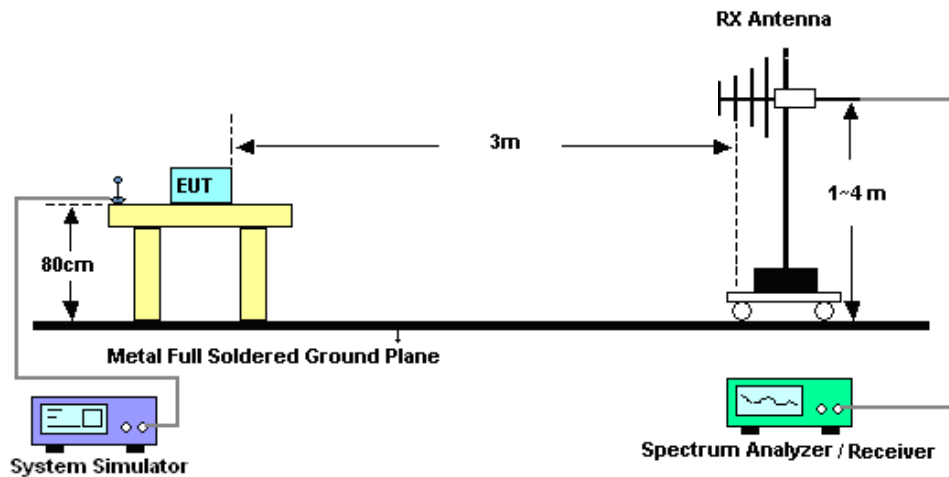
See list of measuring instruments of this test report.

5.2 Test Setup

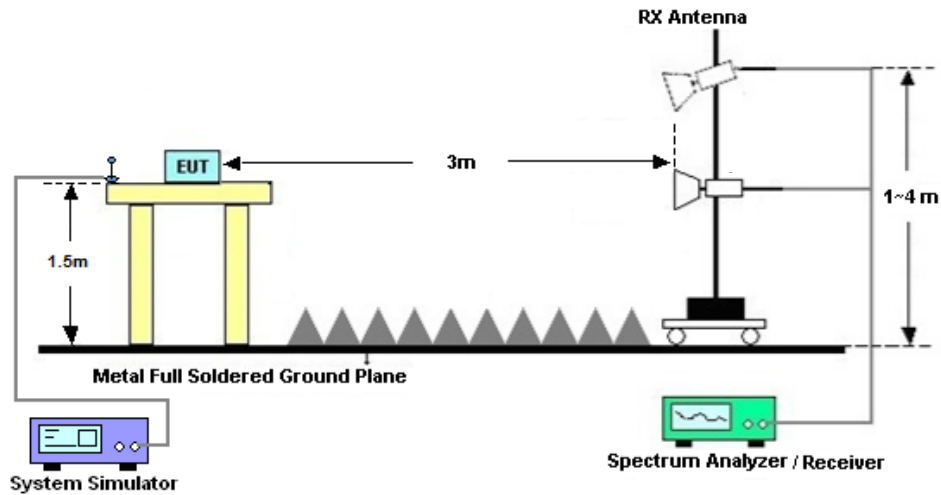
5.2.1 For radiated test below 30MHz



5.2.2 For radiated test from 30MHz to 1GHz



5.2.3 For radiated test above 1GHz



5.3 Test Result of Radiated Test

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

Please refer to Appendix B.



5.4 Radiated Spurious Emission

5.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

5.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. $EIRP (dBm) = S.G. Power - Tx Cable Loss + Tx Antenna Gain$
11. $ERP (dBm) = EIRP - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)] (dB)$
 $= [30 + 10\log(P)] (dBm) - [43 + 10\log(P)] (dB)$
 $= -13dBm.$



6 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 09, 2024	Jul. 09, 2024~ Jul. 12, 2024	Apr. 08, 2025	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 25, 2023	Jul. 09, 2024~ Jul. 12, 2024	Dec. 24, 2024	Conducted (TH01-SZ)
Power Divider	SOLVANG TECHNOLOGY	STI08-0055	-	Max 40GHz	Mar. 20, 2024	Jul. 09, 2024~ Jul. 12, 2024	Mar. 19, 2025	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 07, 2023	Jun. 24, 2024~ Jun. 26, 2024	Jul. 06, 2024	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jul. 28, 2022	Jun. 24, 2024~ Jun. 26, 2024	Jul. 27, 2024	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 24, 2023	Jun. 24, 2024~ Jun. 26, 2024	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 08, 2023	Jun. 24, 2024~ Jun. 26, 2024	Jul. 07, 2024	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 07, 2023	Jun. 24, 2024~ Jun. 26, 2024	Jul. 06, 2024	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 09, 2024	Jun. 24, 2024~ Jun. 26, 2024	Apr. 08, 2025	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 18, 2023	Jun. 24, 2024~ Jun. 26, 2024	Oct. 17, 2024	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 18, 2023	Jun. 24, 2024~ Jun. 26, 2024	Oct. 17, 2024	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 18, 2023	Jun. 24, 2024~ Jun. 26, 2024	Oct. 17, 2024	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Jun. 24, 2024~ Jun. 26, 2024	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Jun. 24, 2024~ Jun. 26, 2024	NCR	Radiation (03CH02-SZ)

NCR: No Calibration Required



7 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Power	±1.34 dB

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.47 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.31 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.72 dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Lorenzo Liu	Temperature :	23~25°C
		Relative Humidity :	41~42%

A1. Conducted Output Power(Average power) and ERP/EIRP

5G NR n5_ANT 0

Transmitter Conducted Output Power And ERP, (GT - LC)=2.3dbi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	ERP(dBm)	ERP(W)
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@1	23.52	23.67	0.2328
5	15	5	165300	826.5	DFT-s-OFDM 16 QAM	1@1	22.84	22.99	0.1991
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@1	23.37	23.52	0.2249
5	15	5	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.71	22.86	0.1932
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@1	23.24	23.39	0.2183
5	15	5	169300	846.5	DFT-s-OFDM 16 QAM	1@1	22.54	22.69	0.1858
5	15	10	165800	829	DFT-s-OFDM QPSK	1@1	23.58	23.73	0.2360
5	15	10	165800	829	DFT-s-OFDM 16 QAM	1@1	22.79	22.94	0.1968
5	15	10	167300	836.5	DFT-s-OFDM QPSK	1@1	23.49	23.64	0.2312
5	15	10	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.81	22.96	0.1977
5	15	10	168800	844	DFT-s-OFDM QPSK	1@1	23.29	23.44	0.2208
5	15	10	168800	844	DFT-s-OFDM 16 QAM	1@1	22.69	22.84	0.1923
5	15	15	166300	831.5	DFT-s-OFDM QPSK	1@1	23.52	23.67	0.2328
5	15	15	166300	831.5	DFT-s-OFDM 16 QAM	1@1	22.83	22.98	0.1986
5	15	15	167300	836.5	DFT-s-OFDM QPSK	1@1	23.5	23.65	0.2317
5	15	15	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.87	23.02	0.2004
5	15	15	168300	841.5	DFT-s-OFDM QPSK	1@1	23.42	23.57	0.2275
5	15	15	168300	841.5	DFT-s-OFDM 16 QAM	1@1	22.81	22.96	0.1977
5	15	20	166800	834	DFT-s-OFDM QPSK	1@1	23.53	23.68	0.2333
5	15	20	166800	834	DFT-s-OFDM 16 QAM	1@1	22.8	22.95	0.1972
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@1	23.57	23.72	0.2355
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.82	22.97	0.1982
5	15	20	167800	839	DFT-s-OFDM QPSK	1@1	23.55	23.7	0.2344
5	15	20	167800	839	DFT-s-OFDM 16 QAM	1@1	22.9	23.05	0.2018
5	15	25	167300	836.5	DFT-s-OFDM PI/2 BPSK	64@32	23.23	23.38	0.2178
5	15	25	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	23.62	23.77	0.2382
5	15	25	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@131	23.25	23.4	0.2188
5	15	25	167300	836.5	DFT-s-OFDM QPSK	64@32	23.28	23.43	0.2203
5	15	25	167300	836.5	DFT-s-OFDM QPSK	1@1	23.7	23.85	0.2427
5	15	25	167300	836.5	DFT-s-OFDM QPSK	1@131	23.39	23.54	0.2259
5	15	25	167300	836.5	DFT-s-OFDM 16 QAM	64@32	22.55	22.7	0.1862
5	15	25	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.59	22.74	0.1879
5	15	25	167300	836.5	DFT-s-OFDM 16 QAM	1@131	22.23	22.38	0.1730
5	15	25	167300	836.5	DFT-s-OFDM 64 QAM	64@32	21.03	21.18	0.1312



5	15	25	167300	836.5	DFT-s-OFDM 64 QAM	1@1	20.92	21.07	0.1279
5	15	25	167300	836.5	DFT-s-OFDM 64 QAM	1@131	20.64	20.79	0.1199
5	15	25	167300	836.5	DFT-s-OFDM 256 QAM	64@32	18.96	19.11	0.0815
5	15	25	167300	836.5	DFT-s-OFDM 256 QAM	1@1	18.9	19.05	0.0804
5	15	25	167300	836.5	DFT-s-OFDM 256 QAM	1@131	18.64	18.79	0.0757
5	15	25	167300	836.5	CP-OFDM QPSK	67@33	22.06	22.21	0.1663
5	15	25	167300	836.5	CP-OFDM QPSK	1@1	22.04	22.19	0.1656
5	15	25	167300	836.5	CP-OFDM QPSK	1@131	21.66	21.81	0.1517



5G NR ENDC n7+2A_ANT 0

Transmitter Conducted Output Power And EIRP, (GT - LC)=2.0dbi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@1	23.29	25.29	0.3381
7	15	5	500500	2502.5	DFT-s-OFDM 16 QAM	1@1	22.11	24.11	0.2576
7	15	5	507000	2535	DFT-s-OFDM QPSK	1@1	23.44	25.44	0.3499
7	15	5	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.16	24.16	0.2606
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@1	23.36	25.36	0.3436
7	15	5	513500	2567.5	DFT-s-OFDM 16 QAM	1@1	22.14	24.14	0.2594
7	15	10	501000	2505	DFT-s-OFDM QPSK	1@1	23.24	25.24	0.3342
7	15	10	501000	2505	DFT-s-OFDM 16 QAM	1@1	22.17	24.17	0.2612
7	15	10	507000	2535	DFT-s-OFDM QPSK	1@1	23.41	25.41	0.3475
7	15	10	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.24	24.24	0.2655
7	15	10	513000	2565	DFT-s-OFDM QPSK	1@1	23.41	25.41	0.3475
7	15	10	513000	2565	DFT-s-OFDM 16 QAM	1@1	22.26	24.26	0.2667
7	15	15	501500	2507.5	DFT-s-OFDM QPSK	1@1	23.26	25.26	0.3357
7	15	15	501500	2507.5	DFT-s-OFDM 16 QAM	1@1	22.19	24.19	0.2624
7	15	15	507000	2535	DFT-s-OFDM QPSK	1@1	23.46	25.46	0.3516
7	15	15	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.27	24.27	0.2673
7	15	15	512500	2562.5	DFT-s-OFDM QPSK	1@1	23.39	25.39	0.3459
7	15	15	512500	2562.5	DFT-s-OFDM 16 QAM	1@1	22.19	24.19	0.2624
7	15	20	502000	2510	DFT-s-OFDM QPSK	1@1	23.3	25.3	0.3388
7	15	20	502000	2510	DFT-s-OFDM 16 QAM	1@1	22.26	24.26	0.2667
7	15	20	507000	2535	DFT-s-OFDM QPSK	1@1	23.42	25.42	0.3483
7	15	20	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.29	24.29	0.2685
7	15	20	512000	2560	DFT-s-OFDM QPSK	1@1	23.48	25.48	0.3532
7	15	20	512000	2560	DFT-s-OFDM 16 QAM	1@1	22.26	24.26	0.2667
7	15	25	502500	2512.5	DFT-s-OFDM QPSK	1@1	23.2	25.2	0.3311
7	15	25	502500	2512.5	DFT-s-OFDM 16 QAM	1@1	22.04	24.04	0.2535
7	15	25	507000	2535	DFT-s-OFDM QPSK	1@1	23.28	25.28	0.3373
7	15	25	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.03	24.03	0.2529
7	15	25	511500	2557.5	DFT-s-OFDM QPSK	1@1	23.26	25.26	0.3357
7	15	25	511500	2557.5	DFT-s-OFDM 16 QAM	1@1	22.16	24.16	0.2606
7	15	30	503000	2515	DFT-s-OFDM QPSK	1@1	23.22	25.22	0.3327
7	15	30	503000	2515	DFT-s-OFDM 16 QAM	1@1	22.06	24.06	0.2547
7	15	30	507000	2535	DFT-s-OFDM QPSK	1@1	23.33	25.33	0.3412
7	15	30	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.18	24.18	0.2618
7	15	30	511000	2555	DFT-s-OFDM QPSK	1@1	23.38	25.38	0.3451
7	15	30	511000	2555	DFT-s-OFDM 16 QAM	1@1	22.17	24.17	0.2612
7	15	40	504000	2520	DFT-s-OFDM QPSK	1@1	23.24	25.24	0.3342
7	15	40	504000	2520	DFT-s-OFDM 16 QAM	1@1	22.04	24.04	0.2535
7	15	40	507000	2535	DFT-s-OFDM QPSK	1@1	23.23	25.23	0.3334
7	15	40	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.17	24.17	0.2612
7	15	40	510000	2550	DFT-s-OFDM QPSK	1@1	23.26	25.26	0.3357



7	15	40	510000	2550	DFT-s-OFDM 16 QAM	1@1	22.04	24.04	0.2535
7	15	50	505000	2525	DFT-s-OFDM PI/2 BPSK	135@67	23.45	25.45	0.3508
7	15	50	505000	2525	DFT-s-OFDM PI/2 BPSK	1@1	23.37	25.37	0.3443
7	15	50	505000	2525	DFT-s-OFDM PI/2 BPSK	1@268	23.39	25.39	0.3459
7	15	50	505000	2525	DFT-s-OFDM QPSK	135@67	23.42	25.42	0.3483
7	15	50	505000	2525	DFT-s-OFDM QPSK	1@1	23.36	25.36	0.3436
7	15	50	505000	2525	DFT-s-OFDM QPSK	1@268	23.49	25.49	0.3540
7	15	50	505000	2525	DFT-s-OFDM 16 QAM	135@67	22.46	24.46	0.2793
7	15	50	505000	2525	DFT-s-OFDM 16 QAM	1@1	22.22	24.22	0.2642
7	15	50	505000	2525	DFT-s-OFDM 16 QAM	1@268	22.28	24.28	0.2679
7	15	50	505000	2525	DFT-s-OFDM 64 QAM	135@67	20.99	22.99	0.1991
7	15	50	505000	2525	DFT-s-OFDM 64 QAM	1@1	20.75	22.75	0.1884
7	15	50	505000	2525	DFT-s-OFDM 64 QAM	1@268	20.68	22.68	0.1854
7	15	50	505000	2525	DFT-s-OFDM 256 QAM	135@67	18.94	20.94	0.1242
7	15	50	505000	2525	DFT-s-OFDM 256 QAM	1@1	19.12	21.12	0.1294
7	15	50	505000	2525	DFT-s-OFDM 256 QAM	1@268	19.16	21.16	0.1306
7	15	50	505000	2525	CP-OFDM QPSK	135@67	21.99	23.99	0.2506
7	15	50	505000	2525	CP-OFDM QPSK	1@1	22.06	24.06	0.2547
7	15	50	505000	2525	CP-OFDM QPSK	1@268	22.13	24.13	0.2588
7	15	50	507000	2535	DFT-s-OFDM PI/2 BPSK	135@67	23.49	25.49	0.3540
7	15	50	507000	2535	DFT-s-OFDM PI/2 BPSK	1@1	23.43	25.43	0.3491
7	15	50	507000	2535	DFT-s-OFDM PI/2 BPSK	1@268	23.37	25.37	0.3443
7	15	50	507000	2535	DFT-s-OFDM QPSK	135@67	23.52	25.52	0.3565
7	15	50	507000	2535	DFT-s-OFDM QPSK	1@1	23.5	25.5	0.3548
7	15	50	507000	2535	DFT-s-OFDM QPSK	1@268	23.45	25.45	0.3508
7	15	50	507000	2535	DFT-s-OFDM 16 QAM	135@67	22.5	24.5	0.2818
7	15	50	507000	2535	DFT-s-OFDM 16 QAM	1@1	22.39	24.39	0.2748
7	15	50	507000	2535	DFT-s-OFDM 16 QAM	1@268	22.34	24.34	0.2716
7	15	50	507000	2535	DFT-s-OFDM 64 QAM	135@67	21	23	0.1995
7	15	50	507000	2535	DFT-s-OFDM 64 QAM	1@1	20.75	22.75	0.1884
7	15	50	507000	2535	DFT-s-OFDM 64 QAM	1@268	20.8	22.8	0.1905
7	15	50	507000	2535	DFT-s-OFDM 256 QAM	135@67	19.02	21.02	0.1265
7	15	50	507000	2535	DFT-s-OFDM 256 QAM	1@1	19.14	21.14	0.1300
7	15	50	507000	2535	DFT-s-OFDM 256 QAM	1@268	19.17	21.17	0.1309
7	15	50	507000	2535	CP-OFDM QPSK	135@67	22.06	24.06	0.2547
7	15	50	507000	2535	CP-OFDM QPSK	1@1	22.18	24.18	0.2618
7	15	50	507000	2535	CP-OFDM QPSK	1@268	22.11	24.11	0.2576
7	15	50	509000	2545	DFT-s-OFDM PI/2 BPSK	135@67	23.4	25.4	0.3467
7	15	50	509000	2545	DFT-s-OFDM PI/2 BPSK	1@1	23.39	25.39	0.3459
7	15	50	509000	2545	DFT-s-OFDM PI/2 BPSK	1@268	23.47	25.47	0.3524
7	15	50	509000	2545	DFT-s-OFDM QPSK	135@67	23.49	25.49	0.3540
7	15	50	509000	2545	DFT-s-OFDM QPSK	1@1	23.62	25.62	0.3648
7	15	50	509000	2545	DFT-s-OFDM QPSK	1@268	23.47	25.47	0.3524
7	15	50	509000	2545	DFT-s-OFDM 16 QAM	135@67	22.5	24.5	0.2818
7	15	50	509000	2545	DFT-s-OFDM 16 QAM	1@1	22.36	24.36	0.2729



7	15	50	509000	2545	DFT-s-OFDM 16 QAM	1@268	22.43	24.43	0.2773
7	15	50	509000	2545	DFT-s-OFDM 64 QAM	135@67	21.04	23.04	0.2014
7	15	50	509000	2545	DFT-s-OFDM 64 QAM	1@1	20.9	22.9	0.1950
7	15	50	509000	2545	DFT-s-OFDM 64 QAM	1@268	20.77	22.77	0.1892
7	15	50	509000	2545	DFT-s-OFDM 256 QAM	135@67	19.05	21.05	0.1274
7	15	50	509000	2545	DFT-s-OFDM 256 QAM	1@1	19.21	21.21	0.1321
7	15	50	509000	2545	DFT-s-OFDM 256 QAM	1@268	19.16	21.16	0.1306
7	15	50	509000	2545	CP-OFDM QPSK	135@67	22.03	24.03	0.2529
7	15	50	509000	2545	CP-OFDM QPSK	1@1	22.25	24.25	0.2661
7	15	50	509000	2545	CP-OFDM QPSK	1@268	22.28	24.28	0.2679



5G NR n12_ANT 0

Transmitter Conducted Output Power And ERP, (GT - LC)=1.8dbi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	ERP(dBm)	ERP(W)
12	15	5	140300	701.5	DFT-s-OFDM QPSK	1@1	23.83	23.48	0.2228
12	15	5	140300	701.5	DFT-s-OFDM 16 QAM	1@1	22.89	22.54	0.1795
12	15	5	141500	707.5	DFT-s-OFDM QPSK	1@1	23.83	23.48	0.2228
12	15	5	141500	707.5	DFT-s-OFDM 16 QAM	1@1	22.82	22.47	0.1766
12	15	5	142700	713.5	DFT-s-OFDM QPSK	1@1	23.69	23.34	0.2158
12	15	5	142700	713.5	DFT-s-OFDM 16 QAM	1@1	22.68	22.33	0.1710
12	15	10	140800	704	DFT-s-OFDM QPSK	1@1	23.8	23.45	0.2213
12	15	10	140800	704	DFT-s-OFDM 16 QAM	1@1	22.91	22.56	0.1803
12	15	10	141500	707.5	DFT-s-OFDM QPSK	1@1	23.84	23.49	0.2234
12	15	10	141500	707.5	DFT-s-OFDM 16 QAM	1@1	22.84	22.49	0.1774
12	15	10	142200	711	DFT-s-OFDM QPSK	1@1	23.83	23.48	0.2228
12	15	10	142200	711	DFT-s-OFDM 16 QAM	1@1	22.76	22.41	0.1742
12	15	15	141300	706.5	DFT-s-OFDM PI/2 BPSK	36@18	23.82	23.47	0.2223
12	15	15	141300	706.5	DFT-s-OFDM PI/2 BPSK	1@1	23.76	23.41	0.2193
12	15	15	141300	706.5	DFT-s-OFDM PI/2 BPSK	1@77	23.53	23.18	0.2080
12	15	15	141300	706.5	DFT-s-OFDM QPSK	36@18	23.84	23.49	0.2234
12	15	15	141300	706.5	DFT-s-OFDM QPSK	1@1	23.78	23.43	0.2203
12	15	15	141300	706.5	DFT-s-OFDM QPSK	1@77	23.66	23.31	0.2143
12	15	15	141300	706.5	DFT-s-OFDM 16 QAM	36@18	22.79	22.44	0.1754
12	15	15	141300	706.5	DFT-s-OFDM 16 QAM	1@1	22.9	22.55	0.1799
12	15	15	141300	706.5	DFT-s-OFDM 16 QAM	1@77	22.63	22.28	0.1690
12	15	15	141300	706.5	DFT-s-OFDM 64 QAM	36@18	21.34	20.99	0.1256
12	15	15	141300	706.5	DFT-s-OFDM 64 QAM	1@1	21.39	21.04	0.1271
12	15	15	141300	706.5	DFT-s-OFDM 64 QAM	1@77	21	20.65	0.1161
12	15	15	141300	706.5	DFT-s-OFDM 256 QAM	36@18	19.18	18.83	0.0764
12	15	15	141300	706.5	DFT-s-OFDM 256 QAM	1@1	19.19	18.84	0.0766
12	15	15	141300	706.5	DFT-s-OFDM 256 QAM	1@77	18.91	18.56	0.0718
12	15	15	141300	706.5	CP-OFDM QPSK	39@19	22.27	21.92	0.1556
12	15	15	141300	706.5	CP-OFDM QPSK	1@1	22.34	21.99	0.1581
12	15	15	141300	706.5	CP-OFDM QPSK	1@77	22.03	21.68	0.1472
12	15	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	36@18	23.81	23.46	0.2218
12	15	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	1@1	23.75	23.4	0.2188
12	15	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	1@77	23.57	23.22	0.2099
12	15	15	141500	707.5	DFT-s-OFDM QPSK	36@18	23.81	23.46	0.2218
12	15	15	141500	707.5	DFT-s-OFDM QPSK	1@1	23.86	23.51	0.2244
12	15	15	141500	707.5	DFT-s-OFDM QPSK	1@77	23.64	23.29	0.2133
12	15	15	141500	707.5	DFT-s-OFDM 16 QAM	36@18	22.74	22.39	0.1734
12	15	15	141500	707.5	DFT-s-OFDM 16 QAM	1@1	22.92	22.57	0.1807
12	15	15	141500	707.5	DFT-s-OFDM 16 QAM	1@77	22.58	22.23	0.1671
12	15	15	141500	707.5	DFT-s-OFDM 64 QAM	36@18	21.28	20.93	0.1239



12	15	15	141500	707.5	DFT-s-OFDM 64 QAM	1@1	21.34	20.99	0.1256
12	15	15	141500	707.5	DFT-s-OFDM 64 QAM	1@77	21.12	20.77	0.1194
12	15	15	141500	707.5	DFT-s-OFDM 256 QAM	36@18	19.19	18.84	0.0766
12	15	15	141500	707.5	DFT-s-OFDM 256 QAM	1@1	19.2	18.85	0.0767
12	15	15	141500	707.5	DFT-s-OFDM 256 QAM	1@77	18.9	18.55	0.0716
12	15	15	141500	707.5	CP-OFDM QPSK	39@19	22.23	21.88	0.1542
12	15	15	141500	707.5	CP-OFDM QPSK	1@1	22.3	21.95	0.1567
12	15	15	141500	707.5	CP-OFDM QPSK	1@77	22.09	21.74	0.1493
12	15	15	141700	708.5	DFT-s-OFDM PI/2 BPSK	36@18	23.77	23.42	0.2198
12	15	15	141700	708.5	DFT-s-OFDM PI/2 BPSK	1@1	23.81	23.46	0.2218
12	15	15	141700	708.5	DFT-s-OFDM PI/2 BPSK	1@77	23.53	23.18	0.2080
12	15	15	141700	708.5	DFT-s-OFDM QPSK	36@18	23.73	23.38	0.2178
12	15	15	141700	708.5	DFT-s-OFDM QPSK	1@1	23.85	23.5	0.2239
12	15	15	141700	708.5	DFT-s-OFDM QPSK	1@77	23.69	23.34	0.2158
12	15	15	141700	708.5	DFT-s-OFDM 16 QAM	36@18	22.76	22.41	0.1742
12	15	15	141700	708.5	DFT-s-OFDM 16 QAM	1@1	22.87	22.52	0.1786
12	15	15	141700	708.5	DFT-s-OFDM 16 QAM	1@77	22.56	22.21	0.1663
12	15	15	141700	708.5	DFT-s-OFDM 64 QAM	36@18	21.28	20.93	0.1239
12	15	15	141700	708.5	DFT-s-OFDM 64 QAM	1@1	21.35	21	0.1259
12	15	15	141700	708.5	DFT-s-OFDM 64 QAM	1@77	21.08	20.73	0.1183
12	15	15	141700	708.5	DFT-s-OFDM 256 QAM	36@18	19.16	18.81	0.0760
12	15	15	141700	708.5	DFT-s-OFDM 256 QAM	1@1	19.27	18.92	0.0780
12	15	15	141700	708.5	DFT-s-OFDM 256 QAM	1@77	18.95	18.6	0.0724
12	15	15	141700	708.5	CP-OFDM QPSK	39@19	22.13	21.78	0.1507
12	15	15	141700	708.5	CP-OFDM QPSK	1@1	22.33	21.98	0.1578
12	15	15	141700	708.5	CP-OFDM QPSK	1@77	22	21.65	0.1462



5G NR n26_ANT 0

Transmitter Conducted Output Power And ERP, (GT - LC)=2.3dbi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	ERP(dBm)	ERP(W)
26	15	5	165300	826.5	DFT-s-OFDM QPSK	1@1	23.68	23.83	0.2415
26	15	5	165300	826.5	DFT-s-OFDM 16 QAM	1@1	22.99	23.14	0.2061
26	15	5	167300	836.5	DFT-s-OFDM QPSK	1@1	23.48	23.63	0.2307
26	15	5	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.83	22.98	0.1986
26	15	5	169300	846.5	DFT-s-OFDM QPSK	1@1	23.31	23.46	0.2218
26	15	5	169300	846.5	DFT-s-OFDM 16 QAM	1@1	22.78	22.93	0.1963
26	15	10	165800	829	DFT-s-OFDM QPSK	1@1	23.66	23.81	0.2404
26	15	10	165800	829	DFT-s-OFDM 16 QAM	1@1	22.92	23.07	0.2028
26	15	10	167300	836.5	DFT-s-OFDM QPSK	1@1	23.58	23.73	0.2360
26	15	10	167300	836.5	DFT-s-OFDM 16 QAM	1@1	23.01	23.16	0.2070
26	15	10	168800	844	DFT-s-OFDM QPSK	1@1	23.44	23.59	0.2286
26	15	10	168800	844	DFT-s-OFDM 16 QAM	1@1	22.74	22.89	0.1945
26	15	15	166300	831.5	DFT-s-OFDM QPSK	1@1	23.66	23.81	0.2404
26	15	15	166300	831.5	DFT-s-OFDM 16 QAM	1@1	22.96	23.11	0.2046
26	15	15	167300	836.5	DFT-s-OFDM QPSK	1@1	23.56	23.71	0.2350
26	15	15	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.94	23.09	0.2037
26	15	15	168300	841.5	DFT-s-OFDM QPSK	1@1	23.47	23.62	0.2301
26	15	15	168300	841.5	DFT-s-OFDM 16 QAM	1@1	22.87	23.02	0.2004
26	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	50@25	23.49	23.64	0.2312
26	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@1	23.58	23.73	0.2360
26	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@104	23.33	23.48	0.2228
26	15	20	166800	834	DFT-s-OFDM QPSK	50@25	23.44	23.59	0.2286
26	15	20	166800	834	DFT-s-OFDM QPSK	1@1	23.65	23.8	0.2399
26	15	20	166800	834	DFT-s-OFDM QPSK	1@104	23.34	23.49	0.2234
26	15	20	166800	834	DFT-s-OFDM 16 QAM	50@25	22.96	23.11	0.2046
26	15	20	166800	834	DFT-s-OFDM 16 QAM	1@1	23	23.15	0.2065
26	15	20	166800	834	DFT-s-OFDM 16 QAM	1@104	22.75	22.9	0.1950
26	15	20	166800	834	DFT-s-OFDM 64 QAM	50@25	21.33	21.48	0.1406
26	15	20	166800	834	DFT-s-OFDM 64 QAM	1@1	21.35	21.5	0.1413
26	15	20	166800	834	DFT-s-OFDM 64 QAM	1@104	21.1	21.25	0.1334
26	15	20	166800	834	DFT-s-OFDM 256 QAM	50@25	19.4	19.55	0.0902
26	15	20	166800	834	DFT-s-OFDM 256 QAM	1@1	19.31	19.46	0.0883
26	15	20	166800	834	DFT-s-OFDM 256 QAM	1@104	19.03	19.18	0.0828
26	15	20	166800	834	CP-OFDM QPSK	53@26	22.44	22.59	0.1816
26	15	20	166800	834	CP-OFDM QPSK	1@1	22.44	22.59	0.1816
26	15	20	166800	834	CP-OFDM QPSK	1@104	22.13	22.28	0.1690
26	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	50@25	23.5	23.65	0.2317
26	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	23.6	23.75	0.2371
26	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@104	23.27	23.42	0.2198
26	15	20	167300	836.5	DFT-s-OFDM QPSK	50@25	23.43	23.58	0.2280
26	15	20	167300	836.5	DFT-s-OFDM QPSK	1@1	23.71	23.86	0.2432
26	15	20	167300	836.5	DFT-s-OFDM QPSK	1@104	23.45	23.6	0.2291
26	15	20	167300	836.5	DFT-s-OFDM 16 QAM	50@25	22.87	23.02	0.2004



26	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@1	23.02	23.17	0.2075
26	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@104	22.65	22.8	0.1905
26	15	20	167300	836.5	DFT-s-OFDM 64 QAM	50@25	21.41	21.56	0.1432
26	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@1	21.37	21.52	0.1419
26	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@104	21.09	21.24	0.1330
26	15	20	167300	836.5	DFT-s-OFDM 256 QAM	50@25	19.29	19.44	0.0879
26	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@1	19.38	19.53	0.0897
26	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@104	18.98	19.13	0.0818
26	15	20	167300	836.5	CP-OFDM QPSK	53@26	22.38	22.53	0.1791
26	15	20	167300	836.5	CP-OFDM QPSK	1@1	22.41	22.56	0.1803
26	15	20	167300	836.5	CP-OFDM QPSK	1@104	22.13	22.28	0.1690
26	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	50@25	23.41	23.56	0.2270
26	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@1	23.48	23.63	0.2307
26	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@104	23.29	23.44	0.2208
26	15	20	167800	839	DFT-s-OFDM QPSK	50@25	23.34	23.49	0.2234
26	15	20	167800	839	DFT-s-OFDM QPSK	1@1	23.59	23.74	0.2366
26	15	20	167800	839	DFT-s-OFDM QPSK	1@104	23.29	23.44	0.2208
26	15	20	167800	839	DFT-s-OFDM 16 QAM	50@25	22.85	23	0.1995
26	15	20	167800	839	DFT-s-OFDM 16 QAM	1@1	23.07	23.22	0.2099
26	15	20	167800	839	DFT-s-OFDM 16 QAM	1@104	22.63	22.78	0.1897
26	15	20	167800	839	DFT-s-OFDM 64 QAM	50@25	21.36	21.51	0.1416
26	15	20	167800	839	DFT-s-OFDM 64 QAM	1@1	21.38	21.53	0.1422
26	15	20	167800	839	DFT-s-OFDM 64 QAM	1@104	20.95	21.1	0.1288
26	15	20	167800	839	DFT-s-OFDM 256 QAM	50@25	19.29	19.44	0.0879
26	15	20	167800	839	DFT-s-OFDM 256 QAM	1@1	19.34	19.49	0.0889
26	15	20	167800	839	DFT-s-OFDM 256 QAM	1@104	18.89	19.04	0.0802
26	15	20	167800	839	CP-OFDM QPSK	53@26	22.38	22.53	0.1791
26	15	20	167800	839	CP-OFDM QPSK	1@1	22.4	22.55	0.1799
26	15	20	167800	839	CP-OFDM QPSK	1@104	22	22.15	0.1641



5G NR n26(90S)_ANT 0

Transmitter Conducted Output Power And ERP, (GT - LC)=2.3dbi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	Conducted Power (W)
26	15	5	163300	816.5	DFT-s-OFDM QPSK	1@1	23.57	0.2275
26	15	5	163300	816.5	DFT-s-OFDM 16 QAM	1@1	22.83	0.1919
26	15	5	163800	819	DFT-s-OFDM QPSK	1@1	23.45	0.2213
26	15	5	163800	819	DFT-s-OFDM 16 QAM	1@1	22.77	0.1892
26	15	5	164300	821.5	DFT-s-OFDM QPSK	1@1	23.54	0.2259
26	15	5	164300	821.5	DFT-s-OFDM 16 QAM	1@1	22.84	0.1923
26	15	10	163800	819	DFT-s-OFDM QPSK	1@1	23.53	0.2254
26	15	10	163800	819	DFT-s-OFDM 16 QAM	1@1	22.77	0.1892
26	15	15	164300	821.5	DFT-s-OFDM QPSK	1@1	23.51	0.2244
26	15	15	164300	821.5	DFT-s-OFDM 16 QAM	1@1	22.86	0.1932
26	15	20	164800	824	DFT-s-OFDM PI/2 BPSK	50@25	23.49	0.2234
26	15	20	164800	824	DFT-s-OFDM PI/2 BPSK	1@1	23.5	0.2239
26	15	20	164800	824	DFT-s-OFDM PI/2 BPSK	1@104	23.31	0.2143
26	15	20	164800	824	DFT-s-OFDM QPSK	50@25	23.5	0.2239
26	15	20	164800	824	DFT-s-OFDM QPSK	1@1	23.59	0.2286
26	15	20	164800	824	DFT-s-OFDM QPSK	1@104	23.44	0.2208
26	15	20	164800	824	DFT-s-OFDM 16 QAM	50@25	22.81	0.1910
26	15	20	164800	824	DFT-s-OFDM 16 QAM	1@1	22.87	0.1936
26	15	20	164800	824	DFT-s-OFDM 16 QAM	1@104	22.76	0.1888
26	15	20	164800	824	DFT-s-OFDM 64 QAM	50@25	21.31	0.1352
26	15	20	164800	824	DFT-s-OFDM 64 QAM	1@1	21.26	0.1337
26	15	20	164800	824	DFT-s-OFDM 64 QAM	1@104	21.11	0.1291
26	15	20	164800	824	DFT-s-OFDM 256 QAM	50@25	19.26	0.0843
26	15	20	164800	824	DFT-s-OFDM 256 QAM	1@1	19.23	0.0838
26	15	20	164800	824	DFT-s-OFDM 256 QAM	1@104	19.2	0.0832
26	15	20	164800	824	CP-OFDM QPSK	53@26	22.29	0.1694
26	15	20	164800	824	CP-OFDM QPSK	1@1	22.22	0.1667
26	15	20	164800	824	CP-OFDM QPSK	1@104	22.21	0.1663



5G NR n38_ANT 1

Transmitter Conducted Output Power And EIRP, (GT - LC)=2.0dbi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
38	30	10	515000	2575	DFT-s-OFDM QPSK	1@1	25.66	27.66	0.5834
38	30	10	515000	2575	DFT-s-OFDM 16 QAM	1@1	24.79	26.79	0.4775
38	30	10	519000	2595	DFT-s-OFDM QPSK	1@1	25.72	27.72	0.5916
38	30	10	519000	2595	DFT-s-OFDM 16 QAM	1@1	24.87	26.87	0.4864
38	30	10	523000	2615	DFT-s-OFDM QPSK	1@1	25.83	27.83	0.6067
38	30	10	523000	2615	DFT-s-OFDM 16 QAM	1@1	24.9	26.9	0.4898
38	30	15	515500	2577.5	DFT-s-OFDM QPSK	1@1	25.72	27.72	0.5916
38	30	15	515500	2577.5	DFT-s-OFDM 16 QAM	1@1	24.82	26.82	0.4808
38	30	15	519000	2595	DFT-s-OFDM QPSK	1@1	25.75	27.75	0.5957
38	30	15	519000	2595	DFT-s-OFDM 16 QAM	1@1	24.93	26.93	0.4932
38	30	15	522500	2612.5	DFT-s-OFDM QPSK	1@1	25.81	27.81	0.6039
38	30	15	522500	2612.5	DFT-s-OFDM 16 QAM	1@1	24.9	26.9	0.4898
38	30	20	516000	2580	DFT-s-OFDM QPSK	1@1	25.68	27.68	0.5861
38	30	20	516000	2580	DFT-s-OFDM 16 QAM	1@1	24.8	26.8	0.4786
38	30	20	519000	2595	DFT-s-OFDM QPSK	1@1	25.77	27.77	0.5984
38	30	20	519000	2595	DFT-s-OFDM 16 QAM	1@1	24.98	26.98	0.4989
38	30	20	522000	2610	DFT-s-OFDM QPSK	1@1	25.83	27.83	0.6067
38	30	20	522000	2610	DFT-s-OFDM 16 QAM	1@1	24.95	26.95	0.4955
38	30	25	516500	2582.5	DFT-s-OFDM QPSK	1@1	25.86	27.86	0.6109
38	30	25	516500	2582.5	DFT-s-OFDM 16 QAM	1@1	24.87	26.87	0.4864
38	30	25	519000	2595	DFT-s-OFDM QPSK	1@1	26.02	28.02	0.6339
38	30	25	519000	2595	DFT-s-OFDM 16 QAM	1@1	24.94	26.94	0.4943
38	30	25	521500	2607.5	DFT-s-OFDM QPSK	1@1	25.83	27.83	0.6067
38	30	25	521500	2607.5	DFT-s-OFDM 16 QAM	1@1	25.03	27.03	0.5047
38	30	30	517000	2585	DFT-s-OFDM QPSK	1@1	25.79	27.79	0.6012
38	30	30	517000	2585	DFT-s-OFDM 16 QAM	1@1	24.79	26.79	0.4775
38	30	30	519000	2595	DFT-s-OFDM QPSK	1@1	25.74	27.74	0.5943
38	30	30	519000	2595	DFT-s-OFDM 16 QAM	1@1	24.78	26.78	0.4764
38	30	30	521000	2605	DFT-s-OFDM QPSK	1@1	25.81	27.81	0.6039
38	30	30	521000	2605	DFT-s-OFDM 16 QAM	1@1	24.93	26.93	0.4932
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	50@25	25.87	27.87	0.6124
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@1	25.83	27.83	0.6067
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@104	26.09	28.09	0.6442
38	30	40	518000	2590	DFT-s-OFDM QPSK	50@25	25.89	27.89	0.6152
38	30	40	518000	2590	DFT-s-OFDM QPSK	1@1	25.81	27.81	0.6039
38	30	40	518000	2590	DFT-s-OFDM QPSK	1@104	26.04	28.04	0.6368
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	50@25	24.88	26.88	0.4875
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	1@1	24.88	26.88	0.4875
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	1@104	25.02	27.02	0.5035
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	50@25	23.44	25.44	0.3499
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	1@1	23.3	25.3	0.3388
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	1@104	23.51	25.51	0.3556



38	30	40	518000	2590	DFT-s-OFDM 256 QAM	50@25	21.57	23.57	0.2275
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	1@1	21.65	23.65	0.2317
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	1@104	21.89	23.89	0.2449
38	30	40	518000	2590	CP-OFDM QPSK	53@26	24.36	26.36	0.4325
38	30	40	518000	2590	CP-OFDM QPSK	1@1	24.4	26.4	0.4365
38	30	40	518000	2590	CP-OFDM QPSK	1@104	24.62	26.62	0.4592
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	50@25	25.98	27.98	0.6281
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	25.87	27.87	0.6124
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@104	26.1	28.1	0.6457
38	30	40	519000	2595	DFT-s-OFDM QPSK	50@25	25.98	27.98	0.6281
38	30	40	519000	2595	DFT-s-OFDM QPSK	1@1	25.8	27.8	0.6026
38	30	40	519000	2595	DFT-s-OFDM QPSK	1@104	25.98	27.98	0.6281
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	50@25	24.97	26.97	0.4977
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	1@1	24.89	26.89	0.4887
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	1@104	25.03	27.03	0.5047
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	50@25	23.54	25.54	0.3581
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	1@1	23.31	25.31	0.3396
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	1@104	23.46	25.46	0.3516
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	50@25	21.69	23.69	0.2339
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	1@1	21.69	23.69	0.2339
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	1@104	21.91	23.91	0.2460
38	30	40	519000	2595	CP-OFDM QPSK	53@26	24.5	26.5	0.4467
38	30	40	519000	2595	CP-OFDM QPSK	1@1	24.52	26.52	0.4487
38	30	40	519000	2595	CP-OFDM QPSK	1@104	24.72	26.72	0.4699
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	50@25	26.02	28.02	0.6339
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@1	25.87	27.87	0.6124
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@104	26.08	28.08	0.6427
38	30	40	520000	2600	DFT-s-OFDM QPSK	50@25	26.02	28.02	0.6339
38	30	40	520000	2600	DFT-s-OFDM QPSK	1@1	25.84	27.84	0.6081
38	30	40	520000	2600	DFT-s-OFDM QPSK	1@104	25.95	27.95	0.6237
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	50@25	25.03	27.03	0.5047
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	1@1	24.85	26.85	0.4842
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	1@104	25.05	27.05	0.5070
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	50@25	23.54	25.54	0.3581
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	1@1	23.26	25.26	0.3357
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	1@104	23.51	25.51	0.3556
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	50@25	21.71	23.71	0.2350
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	1@1	21.64	23.64	0.2312
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	1@104	21.86	23.86	0.2432
38	30	40	520000	2600	CP-OFDM QPSK	53@26	24.47	26.47	0.4436
38	30	40	520000	2600	CP-OFDM QPSK	1@1	24.39	26.39	0.4355
38	30	40	520000	2600	CP-OFDM QPSK	1@104	24.47	26.47	0.4436



5G NR n38 UL (MIMO ANT0+1)

Transmitter Conducted Output Power And EIRP, (GT - LC)=1.8dbi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT0 Power(dBm)	ANT1 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
38	30	10	515000	2575	DFT-s-OFDM QPSK	1@1	23.01	22.94	25.99	27.79	0.6012
38	30	10	515000	2575	DFT-s-OFDM 16 QAM	1@1	21.82	21.76	24.80	26.6	0.4571
38	30	10	519000	2595	DFT-s-OFDM QPSK	1@1	22.98	23.08	26.04	27.84	0.6081
38	30	10	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.81	21.91	24.87	26.67	0.4645
38	30	10	523000	2615	DFT-s-OFDM QPSK	1@1	23.12	23.31	26.23	28.03	0.6353
38	30	10	523000	2615	DFT-s-OFDM 16 QAM	1@1	21.89	22.16	25.04	26.84	0.4831
38	30	15	515500	2577.5	DFT-s-OFDM QPSK	1@1	23.06	22.96	26.02	27.82	0.6053
38	30	15	515500	2577.5	DFT-s-OFDM 16 QAM	1@1	21.85	21.77	24.82	26.62	0.4592
38	30	15	519000	2595	DFT-s-OFDM QPSK	1@1	22.86	22.91	25.90	27.7	0.5888
38	30	15	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.75	21.76	24.77	26.57	0.4539
38	30	15	522500	2612.5	DFT-s-OFDM QPSK	1@1	23.15	23.21	26.19	27.99	0.6295
38	30	15	522500	2612.5	DFT-s-OFDM 16 QAM	1@1	21.89	21.99	24.95	26.75	0.4732
38	30	20	516000	2580	DFT-s-OFDM QPSK	1@1	22.98	22.96	25.98	27.78	0.5998
38	30	20	516000	2580	DFT-s-OFDM 16 QAM	1@1	21.89	21.82	24.87	26.67	0.4645
38	30	20	519000	2595	DFT-s-OFDM QPSK	1@1	22.88	22.99	25.95	27.75	0.5957
38	30	20	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.73	21.74	24.75	26.55	0.4519
38	30	20	522000	2610	DFT-s-OFDM QPSK	1@1	23.04	23.1	26.08	27.88	0.6138
38	30	20	522000	2610	DFT-s-OFDM 16 QAM	1@1	21.93	21.98	24.97	26.77	0.4753
38	30	25	516500	2582.5	DFT-s-OFDM QPSK	1@1	22.72	23.01	25.88	27.68	0.5861
38	30	25	516500	2582.5	DFT-s-OFDM 16 QAM	1@1	21.6	21.68	24.65	26.45	0.4416
38	30	25	519000	2595	DFT-s-OFDM QPSK	1@1	22.61	23.08	25.86	27.66	0.5834
38	30	25	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.65	21.89	24.78	26.58	0.4550
38	30	25	521500	2607.5	DFT-s-OFDM QPSK	1@1	22.74	23.32	26.05	27.85	0.6095
38	30	25	521500	2607.5	DFT-s-OFDM 16 QAM	1@1	21.83	22	24.93	26.73	0.4710
38	30	30	517000	2585	DFT-s-OFDM QPSK	1@1	22.76	22.8	25.79	27.59	0.5741
38	30	30	517000	2585	DFT-s-OFDM 16 QAM	1@1	21.77	21.89	24.84	26.64	0.4613
38	30	30	519000	2595	DFT-s-OFDM QPSK	1@1	22.72	22.86	25.80	27.6	0.5754
38	30	30	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.6	21.83	24.73	26.53	0.4498
38	30	30	521000	2605	DFT-s-OFDM QPSK	1@1	22.58	22.98	25.79	27.59	0.5741
38	30	30	521000	2605	DFT-s-OFDM 16 QAM	1@1	21.63	21.94	24.80	26.6	0.4571
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	50@25	22.87	23	25.95	27.75	0.5957
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@1	22.79	22.99	25.90	27.7	0.5888
38	30	40	518000	2590	DFT-s-OFDM PI/2 BPSK	1@104	22.99	23.39	26.20	28	0.6310
38	30	40	518000	2590	DFT-s-OFDM QPSK	50@25	22.86	23.01	25.95	27.75	0.5957
38	30	40	518000	2590	DFT-s-OFDM QPSK	1@1	22.77	22.86	25.83	27.63	0.5794
38	30	40	518000	2590	DFT-s-OFDM QPSK	1@104	22.94	23.3	26.13	27.93	0.6209
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	50@25	21.83	22.08	24.97	26.77	0.4753
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	1@1	21.74	21.59	24.68	26.48	0.4446
38	30	40	518000	2590	DFT-s-OFDM 16 QAM	1@104	21.92	22.08	25.01	26.81	0.4797
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	50@25	20.31	20.54	23.44	25.24	0.3342
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	1@1	20.18	20.1	23.15	24.95	0.3126
38	30	40	518000	2590	DFT-s-OFDM 64 QAM	1@104	20.21	20.58	23.41	25.21	0.3319
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	50@25	18.28	18.53	21.42	23.22	0.2099



38	30	40	518000	2590	DFT-s-OFDM 256 QAM	1@1	18.26	18.32	21.30	23.1	0.2042
38	30	40	518000	2590	DFT-s-OFDM 256 QAM	1@104	18.58	19.13	21.87	23.67	0.2328
38	30	40	518000	2590	CP-OFDM QPSK	53@26	21.34	21.55	24.46	26.26	0.4227
38	30	40	518000	2590	CP-OFDM QPSK	1@1	21.27	21.32	24.31	26.11	0.4083
38	30	40	518000	2590	CP-OFDM QPSK	1@104	21.42	21.76	24.60	26.4	0.4365
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	50@25	22.82	23.06	25.95	27.75	0.5957
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@1	22.73	23.02	25.89	27.69	0.5875
38	30	40	519000	2595	DFT-s-OFDM PI/2 BPSK	1@104	23.05	23.57	26.33	28.13	0.6501
38	30	40	519000	2595	DFT-s-OFDM QPSK	50@25	22.85	23.04	25.96	27.76	0.5970
38	30	40	519000	2595	DFT-s-OFDM QPSK	1@1	22.67	23.07	25.88	27.68	0.5861
38	30	40	519000	2595	DFT-s-OFDM QPSK	1@104	23	23.54	26.29	28.09	0.6442
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	50@25	21.86	22.15	25.02	26.82	0.4808
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	1@1	21.52	21.72	24.63	26.43	0.4395
38	30	40	519000	2595	DFT-s-OFDM 16 QAM	1@104	21.85	22.36	25.12	26.92	0.4920
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	50@25	20.36	20.63	23.51	25.31	0.3396
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	1@1	20.01	20.09	23.06	24.86	0.3062
38	30	40	519000	2595	DFT-s-OFDM 64 QAM	1@104	20.3	20.73	23.53	25.33	0.3412
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	50@25	18.31	18.57	21.45	23.25	0.2113
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	1@1	18.21	18.36	21.30	23.1	0.2042
38	30	40	519000	2595	DFT-s-OFDM 256 QAM	1@104	18.47	19.03	21.77	23.57	0.2275
38	30	40	519000	2595	CP-OFDM QPSK	53@26	21.35	21.64	24.51	26.31	0.4276
38	30	40	519000	2595	CP-OFDM QPSK	1@1	21.22	21.38	24.31	26.11	0.4083
38	30	40	519000	2595	CP-OFDM QPSK	1@104	21.46	22	24.75	26.55	0.4519
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	50@25	22.91	23.17	26.05	27.85	0.6095
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@1	22.79	22.99	25.90	27.7	0.5888
38	30	40	520000	2600	DFT-s-OFDM PI/2 BPSK	1@104	23.1	23.5	26.31	28.11	0.6471
38	30	40	520000	2600	DFT-s-OFDM QPSK	50@25	22.88	23.13	26.02	27.82	0.6053
38	30	40	520000	2600	DFT-s-OFDM QPSK	1@1	22.68	22.91	25.81	27.61	0.5768
38	30	40	520000	2600	DFT-s-OFDM QPSK	1@104	23.1	23.48	26.30	28.1	0.6457
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	50@25	21.89	22.16	25.04	26.84	0.4831
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	1@1	21.78	21.97	24.89	26.69	0.4667
38	30	40	520000	2600	DFT-s-OFDM 16 QAM	1@104	22.16	22.71	25.45	27.25	0.5309
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	50@25	20.43	20.66	23.56	25.36	0.3436
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	1@1	20.07	20.1	23.10	24.9	0.3090
38	30	40	520000	2600	DFT-s-OFDM 64 QAM	1@104	20.28	20.82	23.57	25.37	0.3443
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	50@25	18.36	18.65	21.52	23.32	0.2148
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	1@1	18.33	18.41	21.38	23.18	0.2080
38	30	40	520000	2600	DFT-s-OFDM 256 QAM	1@104	18.46	18.9	21.70	23.5	0.2239
38	30	40	520000	2600	CP-OFDM QPSK	53@26	21.45	21.71	24.59	26.39	0.4355
38	30	40	520000	2600	CP-OFDM QPSK	1@1	21.17	21.35	24.27	26.07	0.4046
38	30	40	520000	2600	CP-OFDM QPSK	1@104	21.46	21.93	24.71	26.51	0.4477



5G NR n41_ANT 1

Transmitter Conducted Output Power And EIRP, (GT - LC)=2.0dbi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@1	25.33	27.33	0.5408
41	30	10	500202	2501.01	DFT-s-OFDM 16 QAM	1@1	24.51	26.51	0.4477
41	30	10	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.7	27.7	0.5888
41	30	10	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.87	26.87	0.4864
41	30	10	537000	2685	DFT-s-OFDM QPSK	1@1	26	28	0.6310
41	30	10	537000	2685	DFT-s-OFDM 16 QAM	1@1	24.99	26.99	0.5000
41	30	15	500700	2503.5	DFT-s-OFDM QPSK	1@1	25.43	27.43	0.5534
41	30	15	500700	2503.5	DFT-s-OFDM 16 QAM	1@1	24.45	26.45	0.4416
41	30	15	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.75	27.75	0.5957
41	30	15	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.87	26.87	0.4864
41	30	15	536496	2682.48	DFT-s-OFDM QPSK	1@1	25.87	27.87	0.6124
41	30	15	536496	2682.48	DFT-s-OFDM 16 QAM	1@1	24.95	26.95	0.4955
41	30	20	501204	2506.02	DFT-s-OFDM QPSK	1@1	25.45	27.45	0.5559
41	30	20	501204	2506.02	DFT-s-OFDM 16 QAM	1@1	24.57	26.57	0.4539
41	30	20	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.64	27.64	0.5808
41	30	20	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.9	26.9	0.4898
41	30	20	535998	2679.99	DFT-s-OFDM QPSK	1@1	25.89	27.89	0.6152
41	30	20	535998	2679.99	DFT-s-OFDM 16 QAM	1@1	25.06	27.06	0.5082
41	30	30	502200	2511	DFT-s-OFDM QPSK	1@1	25.42	27.42	0.5521
41	30	30	502200	2511	DFT-s-OFDM 16 QAM	1@1	24.43	26.43	0.4395
41	30	30	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.6	27.6	0.5754
41	30	30	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.61	26.61	0.4581
41	30	30	534996	2674.98	DFT-s-OFDM QPSK	1@1	25.8	27.8	0.6026
41	30	30	534996	2674.98	DFT-s-OFDM 16 QAM	1@1	24.71	26.71	0.4688
41	30	35	502704	2513.52	DFT-s-OFDM QPSK	1@1	25.4	27.4	0.5495
41	30	35	502704	2513.52	DFT-s-OFDM 16 QAM	1@1	24.45	26.45	0.4416
41	30	35	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.64	27.64	0.5808
41	30	35	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.75	26.75	0.4732
41	30	35	534498	2672.49	DFT-s-OFDM QPSK	1@1	25.68	27.68	0.5861
41	30	35	534498	2672.49	DFT-s-OFDM 16 QAM	1@1	24.84	26.84	0.4831
41	30	40	503202	2516.01	DFT-s-OFDM QPSK	1@1	25.5	27.5	0.5623
41	30	40	503202	2516.01	DFT-s-OFDM 16 QAM	1@1	24.57	26.57	0.4539
41	30	40	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.68	27.68	0.5861
41	30	40	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.75	26.75	0.4732
41	30	40	534000	2670	DFT-s-OFDM QPSK	1@1	25.68	27.68	0.5861
41	30	40	534000	2670	DFT-s-OFDM 16 QAM	1@1	24.87	26.87	0.4864
41	30	50	504204	2521.02	DFT-s-OFDM QPSK	1@1	25.41	27.41	0.5508
41	30	50	504204	2521.02	DFT-s-OFDM 16 QAM	1@1	24.46	26.46	0.4426
41	30	50	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.52	27.52	0.5649
41	30	50	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.72	26.72	0.4699
41	30	50	532998	2664.99	DFT-s-OFDM QPSK	1@1	25.5	27.5	0.5623



41	30	50	532998	2664.99	DFT-s-OFDM 16 QAM	1@1	24.59	26.59	0.4560
41	30	60	505200	2526	DFT-s-OFDM QPSK	1@1	25.38	27.38	0.5470
41	30	60	505200	2526	DFT-s-OFDM 16 QAM	1@1	24.42	26.42	0.4385
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.47	27.47	0.5585
41	30	60	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.68	26.68	0.4656
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@1	25.41	27.41	0.5508
41	30	60	531996	2659.98	DFT-s-OFDM 16 QAM	1@1	24.54	26.54	0.4508
41	30	70	505200	2531.01	DFT-s-OFDM QPSK	1@1	25.25	27.25	0.5309
41	30	70	505200	2531.01	DFT-s-OFDM 16 QAM	1@1	24.34	26.34	0.4305
41	30	70	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.53	27.53	0.5662
41	30	70	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.54	26.54	0.4508
41	30	70	531996	2655	DFT-s-OFDM QPSK	1@1	25.5	27.5	0.5623
41	30	70	531996	2655	DFT-s-OFDM 16 QAM	1@1	24.66	26.66	0.4634
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	1@1	25.41	27.41	0.5508
41	30	80	507204	2536.02	DFT-s-OFDM 16 QAM	1@1	24.52	26.52	0.4487
41	30	80	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.54	27.54	0.5675
41	30	80	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.64	26.64	0.4613
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	1@1	25.58	27.58	0.5728
41	30	80	529998	2649.99	DFT-s-OFDM 16 QAM	1@1	24.62	26.62	0.4592
41	30	90	508200	2541	DFT-s-OFDM QPSK	1@1	25.29	27.29	0.5358
41	30	90	508200	2541	DFT-s-OFDM 16 QAM	1@1	24.38	26.38	0.4345
41	30	90	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.55	27.55	0.5689
41	30	90	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.62	26.62	0.4592
41	30	90	528996	2644.98	DFT-s-OFDM QPSK	1@1	25.49	27.49	0.5610
41	30	90	528996	2644.98	DFT-s-OFDM 16 QAM	1@1	24.56	26.56	0.4529
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	135@67	25.86	27.86	0.6109
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	1@1	25.38	27.38	0.5470
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	1@271	25.98	27.98	0.6281
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	135@67	25.84	27.84	0.6081
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@1	25.48	27.48	0.5598
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@271	25.97	27.97	0.6266
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	135@67	24.94	26.94	0.4943
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	1@1	24.6	26.6	0.4571
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	1@271	25.09	27.09	0.5117
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	135@67	22.78	24.78	0.3006
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	1@1	22.17	24.17	0.2612
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	1@271	22.71	24.71	0.2958
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	135@67	20.67	22.67	0.1849
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	1@1	20.35	22.35	0.1718
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	1@271	20.78	22.78	0.1897
41	30	100	509202	2546.01	CP-OFDM QPSK	137@68	24.36	26.36	0.4325
41	30	100	509202	2546.01	CP-OFDM QPSK	1@1	23.93	25.93	0.3917
41	30	100	509202	2546.01	CP-OFDM QPSK	1@271	24.43	26.43	0.4395
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	135@67	25.88	27.88	0.6138
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	25.6	27.6	0.5754
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@271	25.98	27.98	0.6281



41	30	100	518598	2592.99	DFT-s-OFDM QPSK	135@67	25.92	27.92	0.6194
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.65	27.65	0.5821
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@271	25.97	27.97	0.6266
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	135@67	24.96	26.96	0.4966
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.72	26.72	0.4699
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	1@271	24.9	26.9	0.4898
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	135@67	22.79	24.79	0.3013
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	1@1	22.42	24.42	0.2767
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	1@271	22.72	24.72	0.2965
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	135@67	20.68	22.68	0.1854
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	1@1	20.66	22.66	0.1845
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	1@271	20.89	22.89	0.1945
41	30	100	518598	2592.99	CP-OFDM QPSK	137@68	24.38	26.38	0.4345
41	30	100	518598	2592.99	CP-OFDM QPSK	1@1	24.2	26.2	0.4169
41	30	100	518598	2592.99	CP-OFDM QPSK	1@271	24.51	26.51	0.4477
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	135@67	25.89	27.89	0.6152
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	1@1	25.61	27.61	0.5768
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	1@271	26.4	28.4	0.6918
41	30	100	528000	2640	DFT-s-OFDM QPSK	135@67	25.89	27.89	0.6152
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@1	25.61	27.61	0.5768
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@271	26.22	28.22	0.6637
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	135@67	24.92	26.92	0.4920
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@1	24.59	26.59	0.4560
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@271	25.28	27.28	0.5346
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	135@67	22.82	24.82	0.3034
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@1	22.38	24.38	0.2742
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@271	23.11	25.11	0.3243
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	135@67	20.64	22.64	0.1837
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@1	20.5	22.5	0.1778
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@271	21.26	23.26	0.2118
41	30	100	528000	2640	CP-OFDM QPSK	137@68	24.34	26.34	0.4305
41	30	100	528000	2640	CP-OFDM QPSK	1@1	23.98	25.98	0.3963
41	30	100	528000	2640	CP-OFDM QPSK	1@271	24.73	26.73	0.4710



5G NR n41 UL (MIMO ANT0+1)

Transmitter Conducted Output Power And EIRP, (GT - LC)=1.8dbi

Table with 12 columns: NR Band, SCS (kHz), Bandwidth (MHz), Arfcn, Freq (MHz), Modulation, RB, ANT0 Power(dBm), ANT1 Power(dBm), Conducted Power(dBm), EIRP (dBm), EIRP (W). It contains 50 rows of test data.



41	30	60	505200	2526	DFT-s-OFDM 16 QAM	1@1	23.9	24.3	27.11	28.91	0.7780
41	30	60	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.12	25.71	28.44	30.24	1.0568
41	30	60	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.38	24.83	27.62	29.42	0.8750
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@1	25.04	25.59	28.33	30.13	1.0304
41	30	60	531996	2659.98	DFT-s-OFDM 16 QAM	1@1	23.99	24.58	27.31	29.11	0.8147
41	30	70	505200	2531.01	DFT-s-OFDM QPSK	1@1	25.05	25.45	28.26	30.06	1.0139
41	30	70	505200	2531.01	DFT-s-OFDM 16 QAM	1@1	23.97	24.41	27.21	29.01	0.7962
41	30	70	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.19	25.68	28.45	30.25	1.0593
41	30	70	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.11	24.64	27.39	29.19	0.8299
41	30	70	531996	2655	DFT-s-OFDM QPSK	1@1	25.11	25.81	28.48	30.28	1.0666
41	30	70	531996	2655	DFT-s-OFDM 16 QAM	1@1	24.17	24.86	27.54	29.34	0.8590
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	1@1	25.09	25.56	28.34	30.14	1.0328
41	30	80	507204	2536.02	DFT-s-OFDM 16 QAM	1@1	24.17	24.33	27.26	29.06	0.8054
41	30	80	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.06	25.56	28.33	30.13	1.0304
41	30	80	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.04	24.49	27.28	29.08	0.8091
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	1@1	25	25.59	28.32	30.12	1.0280
41	30	80	529998	2649.99	DFT-s-OFDM 16 QAM	1@1	23.94	24.48	27.23	29.03	0.7998
41	30	90	508200	2541	DFT-s-OFDM QPSK	1@1	25.1	25.55	28.34	30.14	1.0328
41	30	90	508200	2541	DFT-s-OFDM 16 QAM	1@1	23.98	24.42	27.22	29.02	0.7980
41	30	90	518598	2592.99	DFT-s-OFDM QPSK	1@1	25.06	25.49	28.29	30.09	1.0209
41	30	90	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	24.02	24.43	27.24	29.04	0.8017
41	30	90	528996	2644.98	DFT-s-OFDM QPSK	1@1	24.86	25.37	28.13	29.93	0.9840
41	30	90	528996	2644.98	DFT-s-OFDM 16 QAM	1@1	23.8	24.3	27.07	28.87	0.7709
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	135@67	25.37	25.85	28.63	30.43	1.1041
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	1@1	25.05	25.55	28.32	30.12	1.0280
41	30	100	509202	2546.01	DFT-s-OFDM PI/2 BPSK	1@271	25.02	25.54	28.30	30.1	1.0233
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	135@67	25.37	25.83	28.62	30.42	1.1015
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@1	25.14	25.73	28.46	30.26	1.0617
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@271	25.13	25.66	28.41	30.21	1.0495
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	135@67	24.42	24.89	27.67	29.47	0.8851
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	1@1	24.01	24.55	27.30	29.1	0.8128
41	30	100	509202	2546.01	DFT-s-OFDM 16 QAM	1@271	23.96	24.54	27.27	29.07	0.8072
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	135@67	22.44	23.08	25.78	27.58	0.5728
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	1@1	22.3	23.11	25.73	27.53	0.5662
41	30	100	509202	2546.01	DFT-s-OFDM 64 QAM	1@271	22.33	23.08	25.73	27.53	0.5662
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	135@67	20.39	21.05	23.74	25.54	0.3581
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	1@1	20.22	20.7	23.48	25.28	0.3373
41	30	100	509202	2546.01	DFT-s-OFDM 256 QAM	1@271	20.23	20.76	23.51	25.31	0.3396
41	30	100	509202	2546.01	CP-OFDM QPSK	137@68	23.64	24.22	26.95	28.75	0.7499
41	30	100	509202	2546.01	CP-OFDM QPSK	1@1	23.63	24.14	26.90	28.7	0.7413
41	30	100	509202	2546.01	CP-OFDM QPSK	1@271	23.58	24.11	26.86	28.66	0.7345
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	135@67	25.14	25.72	28.45	30.25	1.0593
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@1	24.89	25.39	28.16	29.96	0.9908
41	30	100	518598	2592.99	DFT-s-OFDM PI/2 BPSK	1@271	25.45	26.11	28.80	30.6	1.1482
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	135@67	25.23	25.83	28.55	30.35	1.0839
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@1	25	25.5	28.27	30.07	1.0162
41	30	100	518598	2592.99	DFT-s-OFDM QPSK	1@271	25.52	26.15	28.86	30.66	1.1641



41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	135@67	24.24	24.82	27.55	29.35	0.8610
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	1@1	23.88	24.37	27.14	28.94	0.7834
41	30	100	518598	2592.99	DFT-s-OFDM 16 QAM	1@271	24.45	25.04	27.77	29.57	0.9057
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	135@67	22.29	23.06	25.70	27.5	0.5623
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	1@1	22.28	22.92	25.62	27.42	0.5521
41	30	100	518598	2592.99	DFT-s-OFDM 64 QAM	1@271	22.76	23.66	26.24	28.04	0.6368
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	135@67	20.24	21.12	23.71	25.51	0.3556
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	1@1	20.15	20.49	23.33	25.13	0.3258
41	30	100	518598	2592.99	DFT-s-OFDM 256 QAM	1@271	20.7	21.25	23.99	25.79	0.3793
41	30	100	518598	2592.99	CP-OFDM QPSK	137@68	23.74	24.49	27.14	28.94	0.7834
41	30	100	518598	2592.99	CP-OFDM QPSK	1@1	23.62	23.95	26.80	28.6	0.7244
41	30	100	518598	2592.99	CP-OFDM QPSK	1@271	23.98	24.62	27.32	29.12	0.8166
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	135@67	25.44	26.08	28.78	30.58	1.1429
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	1@1	24.73	25.39	28.08	29.88	0.9727
41	30	100	528000	2640	DFT-s-OFDM PI/2 BPSK	1@271	25.89	26.32	29.12	30.92	1.2359
41	30	100	528000	2640	DFT-s-OFDM QPSK	135@67	25.47	26.12	28.82	30.62	1.1535
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@1	24.79	25.42	28.13	29.93	0.9840
41	30	100	528000	2640	DFT-s-OFDM QPSK	1@271	25.85	26.29	29.09	30.89	1.2274
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	135@67	24.52	25.22	27.89	29.69	0.9311
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@1	23.7	24.33	27.04	28.84	0.7656
41	30	100	528000	2640	DFT-s-OFDM 16 QAM	1@271	24.8	25.27	28.05	29.85	0.9661
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	135@67	22.49	23.39	25.97	27.77	0.5984
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@1	21.96	23.03	25.54	27.34	0.5420
41	30	100	528000	2640	DFT-s-OFDM 64 QAM	1@271	22.89	23.52	26.23	28.03	0.6353
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	135@67	22.47	23.36	25.95	27.75	0.5957
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@1	19.91	20.56	23.26	25.06	0.3206
41	30	100	528000	2640	DFT-s-OFDM 256 QAM	1@271	21.15	21.46	24.32	26.12	0.4093
41	30	100	528000	2640	CP-OFDM QPSK	137@68	23.47	24.69	27.13	28.93	0.7816
41	30	100	528000	2640	CP-OFDM QPSK	1@1	23.39	24.1	26.77	28.57	0.7194
41	30	100	528000	2640	CP-OFDM QPSK	1@271	24.47	24.8	27.65	29.45	0.8810



ENDC_(n)41AA (Ant1(LTE)+Ant0(NR)) – SCS 30k

Note: NRAA Power test three conditions: LTE Max & NR Min / LTE Min & NR Max / LTE & NR Averaged, the maximum power only show NR Max, and the other items only test LTE & NR Averaged, due to the LTE Max and NR Max have been tested stand alone mode separately.

Transmitter Conducted Output Power And EIRP, (GT - LC)=2.0dB

<NR MAX Power>

Table with 15 columns: NR Band, SCS, Band Width, Arfcn/NR, Arfcn/LTE, Freq (MHz)/NR, Freq (MHz)/LTE, Modulation, NR RB, LTE RB, LTE Power, NR Power, Conducted Power (dBm), EIRP (dBm), EIRP (W). It contains 30 rows of test data for various frequency bands and modulations.



41AA	30	35+20	534462	41138	2672.31	2644.8	DFT-s-OFDM QPSK	1@1	0@0	-77.37	25.89	25.89	27.89	0.6152
41AA	30	35+20	534462	41138	2672.31	2644.8	DFT-s-OFDM 16 QAM	1@1	0@0	-77.37	24.49	24.49	26.49	0.4457
41AA	30	40+20	503220	40151	2516.1	2546.1	DFT-s-OFDM QPSK	1@1	0@0	-77.49	25.34	25.34	27.34	0.5420
41AA	30	40+20	503220	40151	2516.1	2546.1	DFT-s-OFDM 16 QAM	1@1	0@0	-77.27	24.38	24.38	26.38	0.4345
41AA	30	40+20	516600	40820	2583	2613	DFT-s-OFDM QPSK	1@1	0@0	-77.88	25.73	25.73	27.73	0.5929
41AA	30	40+20	516600	40820	2583	2613	DFT-s-OFDM 16 QAM	1@1	0@0	-77.6	24.72	24.72	26.72	0.4699
41AA	30	40+20	534000	41090	2670	2640	DFT-s-OFDM QPSK	1@1	0@0	-77.66	25.63	25.63	27.63	0.5794
41AA	30	40+20	534000	41090	2670	2640	DFT-s-OFDM 16 QAM	1@1	0@0	-77.53	24.83	24.83	26.83	0.4819
41AA	30	50+20	504258	40253	2521.29	2556.3	DFT-s-OFDM QPSK	1@1	0@0	-77.39	25.28	25.28	27.28	0.5346
41AA	30	50+20	504258	40253	2521.29	2556.3	DFT-s-OFDM 16 QAM	1@1	0@0	-77.61	24.5	24.50	26.50	0.4467
41AA	30	50+20	516618	40871	2583.09	2618.1	DFT-s-OFDM QPSK	1@1	0@0	-77.66	25.24	25.24	27.24	0.5297
41AA	30	50+20	516618	40871	2583.09	2618.1	DFT-s-OFDM 16 QAM	1@1	0@0	-77.33	24.66	24.66	26.66	0.4634
41AA	30	50+20	532962	40988	2664.81	2629.8	DFT-s-OFDM QPSK	1@1	0@0	-77.73	25.58	25.58	27.58	0.5728
41AA	30	50+20	532962	40988	2664.81	2629.8	DFT-s-OFDM 16 QAM	1@1	0@0	-77.54	24.66	24.66	26.66	0.4634
41AA	30	60+20	505242	40352	2526.21	2566.2	DFT-s-OFDM QPSK	1@1	0@0	-77.69	25.49	25.49	27.49	0.5610
41AA	30	60+20	505242	40352	2526.21	2566.2	DFT-s-OFDM 16 QAM	1@1	0@0	-77.39	24.37	24.37	26.37	0.4335
41AA	30	60+20	516582	40919	2582.91	2622.9	DFT-s-OFDM QPSK	1@1	0@0	-77.73	25.29	25.29	27.29	0.5358
41AA	30	60+20	516582	40919	2582.91	2622.9	DFT-s-OFDM 16 QAM	1@1	0@0	-77.62	24.25	24.25	26.25	0.4217
41AA	30	60+20	531978	40889	2659.89	2619.9	DFT-s-OFDM QPSK	1@1	0@0	-77.78	25.44	25.44	27.44	0.5546
41AA	30	60+20	531978	40889	2659.89	2619.9	DFT-s-OFDM 16 QAM	1@1	0@0	-77.67	24.86	24.86	26.86	0.4853
41AA	30	70+20	508200	40550	2541	2586	DFT-s-OFDM QPSK	1@1	0@0	-77.26	25.32	25.32	27.32	0.5395
41AA	30	70+20	508200	40550	2541	2586	DFT-s-OFDM 16 QAM	1@1	0@0	-77.64	24.85	24.85	26.85	0.4842
41AA	30	70+20	516600	40970	2583	2628	DFT-s-OFDM QPSK	1@1	0@0	-77.42	25.75	25.75	27.75	0.5957
41AA	30	70+20	516600	40970	2583	2628	DFT-s-OFDM 16 QAM	1@1	0@0	-77.29	24.65	24.65	26.65	0.4624
41AA	30	70+20	531000	40790	2655	2610	DFT-s-OFDM QPSK	1@1	0@0	-77.81	25.67	25.67	27.67	0.5848
41AA	30	70+20	531000	40790	2655	2610	DFT-s-OFDM 16 QAM	1@1	0@0	-77.87	24.83	24.83	26.83	0.4819
41AA	30	80+20	507258	40553	2536.29	2586.3	DFT-s-OFDM QPSK	1@1	0@0	-77.42	25.42	25.42	27.42	0.5521
41AA	30	80+20	507258	40553	2536.29	2586.3	DFT-s-OFDM 16 QAM	1@1	0@0	-77.41	24.43	24.43	26.43	0.4395
41AA	30	80+20	516618	41021	2583.09	2633.1	DFT-s-OFDM QPSK	1@1	0@0	-77.88	25.88	25.88	27.88	0.6138
41AA	30	80+20	516618	41021	2583.09	2633.1	DFT-s-OFDM 16 QAM	1@1	0@0	-77.35	24.83	24.83	26.83	0.4819
41AA	30	80+20	529962	40688	2649.81	2599.8	DFT-s-OFDM QPSK	1@1	0@0	-77.56	25.82	25.82	27.82	0.6053
41AA	30	80+20	529962	40688	2649.81	2599.8	DFT-s-OFDM 16 QAM	1@1	0@0	-77.83	24.55	24.55	26.55	0.4519
41AA	30	90+20	508242	40652	2541.21	2596.2	DFT-s-OFDM QPSK	1@1	0@0	-77.76	25.55	25.55	27.55	0.5689
41AA	30	90+20	508242	40652	2541.21	2596.2	DFT-s-OFDM 16 QAM	1@1	0@0	-77.29	24.58	24.58	26.58	0.4550
41AA	30	90+20	516582	41069	2582.91	2637.9	DFT-s-OFDM QPSK	1@1	0@0	-77.54	25.22	25.22	27.22	0.5272
41AA	30	90+20	516582	41069	2582.91	2637.9	DFT-s-OFDM 16 QAM	1@1	0@0	-77.37	24.38	24.38	26.38	0.4345



Table with 15 columns: Test ID, Modulation, Bandwidth, Power, Frequency, etc. Rows include various modulation schemes like DFT-s-OFDM QPSK, CP-OFDM QPSK, and DFT-s-OFDM 16 QAM.



41AA	30	100+20	516600	41120	2583	2643	CP-OFDM QPSK	1@1	0@0	-65.39	23.76	23.76	25.76	0.3767
41AA	30	100+20	516600	41120	2583	2643	CP-OFDM QPSK	1@271	0@0	-66.81	24.13	24.13	26.13	0.4102
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM PI/2 BPSK	135@67	0@0	-68.33	25.6	25.60	27.60	0.5754
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM PI/2 BPSK	1@1	0@0	-68.68	25.02	25.02	27.02	0.5035
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM PI/2 BPSK	1@271	0@0	-68.35	26.14	26.14	28.14	0.6516
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM QPSK	135@67	0@0	-68.37	25.62	25.62	27.62	0.5781
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM QPSK	1@1	0@0	-68.49	25.03	25.03	27.03	0.5047
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM QPSK	1@271	0@0	-68.23	26.14	26.14	28.14	0.6516
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 16 QAM	135@67	0@0	-68.29	24.65	24.65	26.65	0.4624
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 16 QAM	1@1	0@0	-68.25	24.39	24.39	26.39	0.4355
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 16 QAM	1@271	0@0	-68.39	25.25	25.25	27.25	0.5309
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 64 QAM	135@67	0@0	-68.33	23.21	23.21	25.21	0.3319
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 64 QAM	1@1	0@0	-68.54	22.42	22.42	24.42	0.2767
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 64 QAM	1@271	0@0	-68.21	23.54	23.54	25.54	0.3581
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 256 QAM	135@67	0@0	-68.11	21.41	21.41	23.41	0.2193
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 256 QAM	1@1	0@0	-68.24	20.82	20.82	22.82	0.1914
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 256 QAM	1@271	0@0	-68.27	21.79	21.79	23.79	0.2393
41AA	30	100+20	528000	40490	2640	2580	CP-OFDM QPSK	137@68	0@0	-68.29	24.17	24.17	26.17	0.4140
41AA	30	100+20	528000	40490	2640	2580	CP-OFDM QPSK	1@1	0@0	-68.19	23.5	23.50	25.50	0.3548
41AA	30	100+20	528000	40490	2640	2580	CP-OFDM QPSK	1@271	0@0	-68.33	24.6	24.60	26.60	0.4571



<LTE max Power>

Table with 15 columns: NR Band, SCS, Band Width, Arfcn/ NR, Arfcn/ LTE, Freq (MHz)/ NR, Freq (MHz)/ LTE, Modulation, NR RB, LTE RB, LTE Power, NR Power, Conducted Power (dBm), EIRP (dBm), EIRP (W). Rows contain test data for various frequency bands and modulations.



41AA	30	40+20	516600	40820	2583	2613	DFT-s-OFDM 16 QAM	0@0	1@0	23.12	-55.77	23.12	25.12	0.3251
41AA	30	40+20	534000	41090	2670	2640	DFT-s-OFDM QPSK	0@0	1@0	23.3	-55.58	23.30	25.30	0.3388
41AA	30	40+20	534000	41090	2670	2640	DFT-s-OFDM 16 QAM	0@0	1@0	23.06	-55.46	23.06	25.06	0.3206
41AA	30	50+20	504258	40253	2521.29	2556.3	DFT-s-OFDM QPSK	0@0	1@0	23.34	-55.66	23.34	25.34	0.3420
41AA	30	50+20	504258	40253	2521.29	2556.3	DFT-s-OFDM 16 QAM	0@0	1@0	23.08	-55.87	23.08	25.08	0.3221
41AA	30	50+20	516618	40871	2583.09	2618.1	DFT-s-OFDM QPSK	0@0	1@0	23.43	-55.7	23.43	25.43	0.3491
41AA	30	50+20	516618	40871	2583.09	2618.1	DFT-s-OFDM 16 QAM	0@0	1@0	22.87	-55.68	22.87	24.87	0.3069
41AA	30	50+20	532962	40988	2664.81	2629.8	DFT-s-OFDM QPSK	0@0	1@0	23.17	-55.48	23.17	25.17	0.3289
41AA	30	50+20	532962	40988	2664.81	2629.8	DFT-s-OFDM 16 QAM	0@0	1@0	22.9	-55.45	22.90	24.90	0.3090
41AA	30	60+20	505242	40352	2526.21	2566.2	DFT-s-OFDM QPSK	0@0	1@0	23.35	-55.36	23.35	25.35	0.3428
41AA	30	60+20	505242	40352	2526.21	2566.2	DFT-s-OFDM 16 QAM	0@0	1@0	23.1	-55.34	23.10	25.10	0.3236
41AA	30	60+20	516582	40919	2582.91	2622.9	DFT-s-OFDM QPSK	0@0	1@0	23.23	-55.82	23.23	25.23	0.3334
41AA	30	60+20	516582	40919	2582.91	2622.9	DFT-s-OFDM 16 QAM	0@0	1@0	22.88	-55.72	22.88	24.88	0.3076
41AA	30	60+20	531978	40889	2659.89	2619.9	DFT-s-OFDM QPSK	0@0	1@0	23.3	-55.84	23.30	25.30	0.3388
41AA	30	60+20	531978	40889	2659.89	2619.9	DFT-s-OFDM 16 QAM	0@0	1@0	22.93	-55.43	22.93	24.93	0.3112
41AA	30	70+20	508200	40550	2541	2586	DFT-s-OFDM QPSK	0@0	1@0	23.39	-55.51	23.39	25.39	0.3459
41AA	30	70+20	508200	40550	2541	2586	DFT-s-OFDM 16 QAM	0@0	1@0	22.87	-55.66	22.87	24.87	0.3069
41AA	30	70+20	516600	40970	2583	2628	DFT-s-OFDM QPSK	0@0	1@0	23.31	-55.44	23.31	25.31	0.3396
41AA	30	70+20	516600	40970	2583	2628	DFT-s-OFDM 16 QAM	0@0	1@0	22.9	-55.42	22.90	24.90	0.3090
41AA	30	70+20	531000	40790	2655	2610	DFT-s-OFDM QPSK	0@0	1@0	23.44	-55.39	23.44	25.44	0.3499
41AA	30	70+20	531000	40790	2655	2610	DFT-s-OFDM 16 QAM	0@0	1@0	22.98	-55.89	22.98	24.98	0.3148
41AA	30	80+20	507258	40553	2536.29	2586.3	DFT-s-OFDM QPSK	0@0	1@0	23.24	-55.74	23.24	25.24	0.3342
41AA	30	80+20	507258	40553	2536.29	2586.3	DFT-s-OFDM 16 QAM	0@0	1@0	22.95	-55.9	22.95	24.95	0.3126
41AA	30	80+20	516618	41021	2583.09	2633.1	DFT-s-OFDM QPSK	0@0	1@0	23.38	-55.73	23.38	25.38	0.3451
41AA	30	80+20	516618	41021	2583.09	2633.1	DFT-s-OFDM 16 QAM	0@0	1@0	23	-55.33	23.00	25.00	0.3162
41AA	30	80+20	529962	40688	2649.81	2599.8	DFT-s-OFDM QPSK	0@0	1@0	23.2	-55.45	23.20	25.20	0.3311
41AA	30	80+20	529962	40688	2649.81	2599.8	DFT-s-OFDM 16 QAM	0@0	1@0	22.91	-55.74	22.91	24.91	0.3097
41AA	30	90+20	508242	40652	2541.21	2596.2	DFT-s-OFDM QPSK	0@0	1@0	23.2	-55.32	23.20	25.20	0.3311
41AA	30	90+20	508242	40652	2541.21	2596.2	DFT-s-OFDM 16 QAM	0@0	1@0	22.94	-55.79	22.94	24.94	0.3119
41AA	30	90+20	516582	41069	2582.91	2637.9	DFT-s-OFDM QPSK	0@0	1@0	23.19	-55.42	23.19	25.19	0.3304
41AA	30	90+20	516582	41069	2582.91	2637.9	DFT-s-OFDM 16 QAM	0@0	1@0	22.84	-55.91	22.84	24.84	0.3048
41AA	30	90+20	528978	40589	2644.89	2589.9	DFT-s-OFDM QPSK	0@0	1@0	23.17	-55.49	23.17	25.17	0.3289
41AA	30	90+20	528978	40589	2644.89	2589.9	DFT-s-OFDM 16 QAM	0@0	1@0	22.89	-55.39	22.89	24.89	0.3083
41AA	30	100+20	509220	40751	2546.1	2606.1	DFT-s-OFDM PI/2 BPSK	0@0	100@0	23.46	-55.52	23.46	25.46	0.3516
41AA	30	100+20	509220	40751	2546.1	2606.1	DFT-s-OFDM PI/2 BPSK	0@0	1@0	23.31	-51.63	23.31	25.31	0.3396
41AA	30	100+20	509220	40751	2546.1	2606.1	DFT-s-OFDM PI/2 BPSK	0@0	1@99	23.37	-51.61	23.37	25.37	0.3443



Table with 14 columns: Test ID, Modulation, Bandwidth, Frequency, Power, Modulation, Modulation, Modulation, Modulation, Modulation, Modulation, Modulation, Modulation, Modulation. Rows include various modulation schemes like DFT-s-OFDM QPSK, CP-OFDM QPSK, and DFT-s-OFDM PI/2 BPSK.



41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM QPSK	0@0	100@0	23.13	-51.78	23.13	25.13	0.3258
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM QPSK	0@0	1@0	23.18	-51.77	23.18	25.18	0.3296
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM QPSK	0@0	1@99	23.24	-51.77	23.24	25.24	0.3342
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 16 QAM	0@0	100@0	22.96	-51.69	22.96	24.96	0.3133
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 16 QAM	0@0	1@0	22.98	-51.46	22.98	24.98	0.3148
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 16 QAM	0@0	1@99	22.93	-51.27	22.93	24.93	0.3112
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 64 QAM	0@0	100@0	22.52	-51.32	22.52	24.52	0.2831
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 64 QAM	0@0	1@0	22.59	-51.22	22.59	24.59	0.2877
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 64 QAM	0@0	1@99	22.48	-51.33	22.48	24.48	0.2805
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 256 QAM	0@0	100@0	21.16	-51.86	21.16	23.16	0.2070
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 256 QAM	0@0	1@0	21.22	-51.82	21.22	23.22	0.2099
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 256 QAM	0@0	1@99	21.29	-51.69	21.29	23.29	0.2133
41AA	30	100+20	528000	40490	2640	2580	CP-OFDM QPSK	0@0	100@0	23.16	-51.78	23.16	25.16	0.3281
41AA	30	100+20	528000	40490	2640	2580	CP-OFDM QPSK	0@0	1@0	23.15	-51.77	23.15	25.15	0.3273
41AA	30	100+20	528000	40490	2640	2580	CP-OFDM QPSK	0@0	1@99	23.24	-51.77	23.24	25.24	0.3342



<Average Power>

Table with 15 columns: NR Band, SCS, Band Width, Arfcn/ NR, Arfcn/ LTE, Freq (MHz)/ NR, Freq (MHz)/ LTE, Modulation, NR RB, LTE RB, LTE Power, NR Power, Conducted Power (dBm), EIRP (dBm), EIRP (W). Rows contain test data for various frequencies and modulations.



41AA	30	40+20	516600	40820	2583	2613	DFT-s-OFDM 16 QAM	1@1	1@0	-4.73	13.05	13.12	15.12	0.0325
41AA	30	40+20	534000	41090	2670	2640	DFT-s-OFDM QPSK	1@1	1@0	-4.88	13.06	13.13	15.13	0.0326
41AA	30	40+20	534000	41090	2670	2640	DFT-s-OFDM 16 QAM	1@1	1@0	-5.41	12.99	13.05	15.05	0.0320
41AA	30	50+20	504258	40253	2521.29	2556.3	DFT-s-OFDM QPSK	1@1	1@0	-9.58	4.55	4.71	6.71	0.0047
41AA	30	50+20	504258	40253	2521.29	2556.3	DFT-s-OFDM 16 QAM	1@1	1@0	-10.33	4.5	4.64	6.64	0.0046
41AA	30	50+20	516618	40871	2583.09	2618.1	DFT-s-OFDM QPSK	1@1	1@0	-9.91	4.89	5.03	7.03	0.0050
41AA	30	50+20	516618	40871	2583.09	2618.1	DFT-s-OFDM 16 QAM	1@1	1@0	-10.5	4.73	4.86	6.86	0.0049
41AA	30	50+20	532962	40988	2664.81	2629.8	DFT-s-OFDM QPSK	1@1	1@0	-10.26	4.87	5.00	7.00	0.0050
41AA	30	50+20	532962	40988	2664.81	2629.8	DFT-s-OFDM 16 QAM	1@1	1@0	-9.9	4.71	4.86	6.86	0.0049
41AA	30	60+20	505242	40352	2526.21	2566.2	DFT-s-OFDM QPSK	1@1	1@0	-4.85	12.64	12.72	14.72	0.0296
41AA	30	60+20	505242	40352	2526.21	2566.2	DFT-s-OFDM 16 QAM	1@1	1@0	-5.44	12.7	12.77	14.77	0.0300
41AA	30	60+20	516582	40919	2582.91	2622.9	DFT-s-OFDM QPSK	1@1	1@0	-4.96	12.89	12.96	14.96	0.0313
41AA	30	60+20	516582	40919	2582.91	2622.9	DFT-s-OFDM 16 QAM	1@1	1@0	-5.52	12.91	12.97	14.97	0.0314
41AA	30	60+20	531978	40889	2659.89	2619.9	DFT-s-OFDM QPSK	1@1	1@0	-5.24	12.94	13.01	15.01	0.0317
41AA	30	60+20	531978	40889	2659.89	2619.9	DFT-s-OFDM 16 QAM	1@1	1@0	-4.87	12.81	12.88	14.88	0.0308
41AA	30	70+20	508200	40550	2541	2586	DFT-s-OFDM QPSK	1@1	1@0	-5.1	12.83	12.90	14.90	0.0309
41AA	30	70+20	508200	40550	2541	2586	DFT-s-OFDM 16 QAM	1@1	1@0	-4.63	12.75	12.83	14.83	0.0304
41AA	30	70+20	516600	40970	2583	2628	DFT-s-OFDM QPSK	1@1	1@0	-4.93	12.94	13.01	15.01	0.0317
41AA	30	70+20	516600	40970	2583	2628	DFT-s-OFDM 16 QAM	1@1	1@0	-4.61	12.83	12.91	14.91	0.0310
41AA	30	70+20	531000	40790	2655	2610	DFT-s-OFDM QPSK	1@1	1@0	-5.39	12.9	12.96	14.96	0.0314
41AA	30	70+20	531000	40790	2655	2610	DFT-s-OFDM 16 QAM	1@1	1@0	-4.91	12.69	12.76	14.76	0.0300
41AA	30	80+20	507258	40553	2536.29	2586.3	DFT-s-OFDM QPSK	1@1	1@0	-9.72	4.57	4.73	6.73	0.0047
41AA	30	80+20	507258	40553	2536.29	2586.3	DFT-s-OFDM 16 QAM	1@1	1@0	-10.32	4.67	4.81	6.81	0.0048
41AA	30	80+20	516618	41021	2583.09	2633.1	DFT-s-OFDM QPSK	1@1	1@0	-9.64	4.85	5.00	7.00	0.0050
41AA	30	80+20	516618	41021	2583.09	2633.1	DFT-s-OFDM 16 QAM	1@1	1@0	-10.29	4.81	4.94	6.94	0.0049
41AA	30	80+20	529962	40688	2649.81	2599.8	DFT-s-OFDM QPSK	1@1	1@0	-10.59	4.71	4.84	6.84	0.0048
41AA	30	80+20	529962	40688	2649.81	2599.8	DFT-s-OFDM 16 QAM	1@1	1@0	-10.19	4.66	4.80	6.80	0.0048
41AA	30	90+20	508242	40652	2541.21	2596.2	DFT-s-OFDM QPSK	1@1	1@0	-4.91	12.84	12.91	14.91	0.0310
41AA	30	90+20	508242	40652	2541.21	2596.2	DFT-s-OFDM 16 QAM	1@1	1@0	-5.48	12.61	12.68	14.68	0.0294
41AA	30	90+20	516582	41069	2582.91	2637.9	DFT-s-OFDM QPSK	1@1	1@0	-5.3	12.91	12.98	14.98	0.0314
41AA	30	90+20	516582	41069	2582.91	2637.9	DFT-s-OFDM 16 QAM	1@1	1@0	-4.74	12.54	12.62	14.62	0.0290
41AA	30	90+20	528978	40589	2644.89	2589.9	DFT-s-OFDM QPSK	1@1	1@0	-5.39	12.58	12.65	14.65	0.0292
41AA	30	90+20	528978	40589	2644.89	2589.9	DFT-s-OFDM 16 QAM	1@1	1@0	-5.17	12.51	12.58	14.58	0.0287
41AA	30	100+20	509220	40751	2546.1	2606.1	DFT-s-OFDM PI/2 BPSK	135@67	100@0	2.56	17	17.15	19.15	0.0823
41AA	30	100+20	509220	40751	2546.1	2606.1	DFT-s-OFDM PI/2 BPSK	1@1	1@0	-3.76	12.82	12.91	14.91	0.0310
41AA	30	100+20	509220	40751	2546.1	2606.1	DFT-s-OFDM PI/2 BPSK	1@271	1@99	-3.77	12.87	12.96	14.96	0.0314



41AA	30	100+20	509220	40751	2546.1	2606.1	DFT-s-OFDM QPSK	135@67	100@0	2.6	16.97	17.13	19.13	0.0818
41AA	30	100+20	509220	40751	2546.1	2606.1	DFT-s-OFDM QPSK	1@1	1@0	-3.51	12.8	12.90	14.90	0.0309
41AA	30	100+20	509220	40751	2546.1	2606.1	DFT-s-OFDM QPSK	1@271	1@99	-3.6	12.95	13.05	15.05	0.0320
41AA	30	100+20	509220	40751	2546.1	2606.1	DFT-s-OFDM 16 QAM	135@67	100@0	2.43	16.94	17.09	19.09	0.0811
41AA	30	100+20	509220	40751	2546.1	2606.1	DFT-s-OFDM 16 QAM	1@1	1@0	-7.61	12.87	12.91	14.91	0.0310
41AA	30	100+20	509220	40751	2546.1	2606.1	DFT-s-OFDM 16 QAM	1@271	1@99	-7.82	13	13.04	15.04	0.0319
41AA	30	100+20	509220	40751	2546.1	2606.1	DFT-s-OFDM 64 QAM	135@67	100@0	2.62	17.07	17.22	19.22	0.0836
41AA	30	100+20	509220	40751	2546.1	2606.1	DFT-s-OFDM 64 QAM	1@1	1@0	-4.66	12.92	13.00	15.00	0.0316
41AA	30	100+20	509220	40751	2546.1	2606.1	DFT-s-OFDM 64 QAM	1@271	1@99	-5.6	13.08	13.14	15.14	0.0326
41AA	30	100+20	509220	40751	2546.1	2606.1	DFT-s-OFDM 256 QAM	135@67	100@0	2.5	17.11	17.26	19.26	0.0843
41AA	30	100+20	509220	40751	2546.1	2606.1	DFT-s-OFDM 256 QAM	1@1	1@0	-8.51	12.71	12.74	14.74	0.0298
41AA	30	100+20	509220	40751	2546.1	2606.1	DFT-s-OFDM 256 QAM	1@271	1@99	-6.75	12.88	12.93	14.93	0.0311
41AA	30	100+20	509220	40751	2546.1	2606.1	CP-OFDM QPSK	137@68	100@0	2.54	16.95	17.10	19.10	0.0814
41AA	30	100+20	509220	40751	2546.1	2606.1	CP-OFDM QPSK	1@1	1@0	-4.67	12.55	12.63	14.63	0.0291
41AA	30	100+20	509220	40751	2546.1	2606.1	CP-OFDM QPSK	1@271	1@99	-1.62	12.63	12.79	14.79	0.0301
41AA	30	100+20	516600	41120	2583	2643	DFT-s-OFDM PI/2 BPSK	135@67	100@0	2.12	17.01	17.15	19.15	0.0822
41AA	30	100+20	516600	41120	2583	2643	DFT-s-OFDM PI/2 BPSK	1@1	1@0	-4.79	12.97	13.04	15.04	0.0319
41AA	30	100+20	516600	41120	2583	2643	DFT-s-OFDM PI/2 BPSK	1@271	1@99	-5.51	13.25	13.31	15.31	0.0339
41AA	30	100+20	516600	41120	2583	2643	DFT-s-OFDM QPSK	135@67	100@0	2.47	16.62	16.78	18.78	0.0756
41AA	30	100+20	516600	41120	2583	2643	DFT-s-OFDM QPSK	1@1	1@0	-4.83	13.12	13.19	15.19	0.0330
41AA	30	100+20	516600	41120	2583	2643	DFT-s-OFDM QPSK	1@271	1@99	-5.47	13.36	13.42	15.42	0.0348
41AA	30	100+20	516600	41120	2583	2643	DFT-s-OFDM 16 QAM	135@67	100@0	2.31	17.01	17.15	19.15	0.0823
41AA	30	100+20	516600	41120	2583	2643	DFT-s-OFDM 16 QAM	1@1	1@0	-5.41	12.9	12.96	14.96	0.0314
41AA	30	100+20	516600	41120	2583	2643	DFT-s-OFDM 16 QAM	1@271	1@99	-5.15	13.35	13.41	15.41	0.0348
41AA	30	100+20	516600	41120	2583	2643	DFT-s-OFDM 64 QAM	135@67	100@0	2.34	17.04	17.18	19.18	0.0829
41AA	30	100+20	516600	41120	2583	2643	DFT-s-OFDM 64 QAM	1@1	1@0	-5.59	12.96	13.02	15.02	0.0318
41AA	30	100+20	516600	41120	2583	2643	DFT-s-OFDM 64 QAM	1@271	1@99	-6.09	13.48	13.53	15.53	0.0357
41AA	30	100+20	516600	41120	2583	2643	DFT-s-OFDM 256 QAM	135@67	100@0	1.67	17.03	17.15	19.15	0.0823
41AA	30	100+20	516600	41120	2583	2643	DFT-s-OFDM 256 QAM	1@1	1@0	-5.21	13.02	13.08	15.08	0.0322
41AA	30	100+20	516600	41120	2583	2643	DFT-s-OFDM 256 QAM	1@271	1@99	-5.86	13.3	13.35	15.35	0.0343
41AA	30	100+20	516600	41120	2583	2643	CP-OFDM QPSK	137@68	100@0	2.4	17.03	17.18	19.18	0.0827
41AA	30	100+20	516600	41120	2583	2643	CP-OFDM QPSK	1@1	1@0	-4.56	13.02	13.10	15.10	0.0323
41AA	30	100+20	516600	41120	2583	2643	CP-OFDM QPSK	1@271	1@99	-5.21	13.45	13.51	15.51	0.0356
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM PI/2 BPSK	135@67	100@0	2.33	17.17	17.31	19.31	0.0853
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM PI/2 BPSK	1@1	1@0	-5.28	12.6	12.67	14.67	0.0293
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM PI/2 BPSK	1@271	1@99	-5.61	13.64	13.69	15.69	0.0371



41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM QPSK	135@67	100@0	2.46	17.22	17.36	19.36	0.0864
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM QPSK	1@1	1@0	-5.28	12.52	12.59	14.59	0.0288
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM QPSK	1@271	1@99	-4.52	13.62	13.69	15.69	0.0370
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 16 QAM	135@67	100@0	2.36	17.13	17.27	19.27	0.0846
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 16 QAM	1@1	1@0	-4.94	12.68	12.75	14.75	0.0299
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 16 QAM	1@271	1@99	-5.03	13.78	13.84	15.84	0.0383
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 64 QAM	135@67	100@0	2.16	17.18	17.31	19.31	0.0854
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 64 QAM	1@1	1@0	-6.02	12.69	12.75	14.75	0.0298
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 64 QAM	1@271	1@99	-6.37	13.97	14.01	16.01	0.0399
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 256 QAM	135@67	100@0	2.44	17.14	17.28	19.28	0.0848
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 256 QAM	1@1	1@0	-5.84	12.43	12.49	14.49	0.0281
41AA	30	100+20	528000	40490	2640	2580	DFT-s-OFDM 256 QAM	1@271	1@99	-4.97	13.73	13.79	15.79	0.0379
41AA	30	100+20	528000	40490	2640	2580	CP-OFDM QPSK	137@68	100@0	1.62	17.11	17.23	19.23	0.0838
41AA	30	100+20	528000	40490	2640	2580	CP-OFDM QPSK	1@1	1@0	-5.1	12.6	12.67	14.67	0.0293
41AA	30	100+20	528000	40490	2640	2580	CP-OFDM QPSK	1@271	1@99	-5.34	13.86	13.91	15.91	0.0390



5G NR n41C_ANT 1

Transmitter Conducted Output Power And ERP, (GT - LC)=2.0dbi

Note: This device supports three Power setting cases for ULCA mode as following shows:

- (1) PCC Power all up, means Power setting, PCC(max.) +SCC (min.)
- (2) SCC Power all up, means Power setting, PCC(min.) +SCC (max.)
- (3) Average Power , means Power setting, PCC(avg.) +SCC (avg.)



<PCC Power all up>

NR	SCS	Bandwidth	PCC Arfcn	SCC Arfcn	Modulation	PCC RB	SCC RB	PCC Power(dBm)	SCC Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
Band	(kHz)	(MHz)										
41C	30	100+90	509202	528186	DFT-s BPSK	144@129	108@0	20.16	-18.6	20.16	22.16	0.1645
41C	30	100+90	509202	528186	DFT-s BPSK	1@171	1@68	18.63	-20.36	18.63	20.63	0.1156
41C	30	100+90	509202	528186	DFT-s QPSK	144@129	108@0	20.36	-18.18	20.36	22.36	0.1722
41C	30	100+90	509202	528186	DFT-s QPSK	1@171	1@68	18.62	-20.38	18.62	20.62	0.1154
41C	30	100+90	509202	528186	DFT-s 16 QAM	144@129	108@0	20.31	-17.81	20.31	22.31	0.1702
41C	30	100+90	509202	528186	DFT-s 16 QAM	1@171	1@68	16.59	-22.28	16.59	18.59	0.0723
41C	30	100+90	509202	528186	DFT-s 64 QAM	144@129	108@0	17.81	-19.9	17.81	19.81	0.0957
41C	30	100+90	509202	528186	DFT-s 64 QAM	1@171	1@68	16.67	-22.04	16.67	18.67	0.0736
41C	30	100+90	509202	528186	DFT-s 256 QAM	144@129	108@0	15.88	-22.61	15.88	17.88	0.0614
41C	30	100+90	509202	528186	DFT-s 256 QAM	1@171	1@68	16.31	-22.71	16.31	18.31	0.0678
41C	30	100+90	509202	528186	CP-OFDM QPSK	144@129	114@0	19.32	-18.33	19.32	21.32	0.1355
41C	30	100+90	509202	528186	CP-OFDM QPSK	1@171	1@68	17.66	-22.05	17.66	19.66	0.0925
41C	30	100+90	509610	528594	DFT-s BPSK	144@129	108@0	20.25	-18.64	20.25	22.25	0.1679
41C	30	100+90	509610	528594	DFT-s BPSK	1@171	1@68	18.68	-20.47	18.68	20.68	0.1170
41C	30	100+90	509610	528594	DFT-s QPSK	144@129	108@0	20.32	-18.25	20.32	22.32	0.1706
41C	30	100+90	509610	528594	DFT-s QPSK	1@171	1@68	18.7	-20.49	18.70	20.70	0.1175
41C	30	100+90	509610	528594	DFT-s 16 QAM	144@129	108@0	20.21	-17.94	20.21	22.21	0.1664
41C	30	100+90	509610	528594	DFT-s 16 QAM	1@171	1@68	16.55	-22.44	16.55	18.55	0.0716
41C	30	100+90	509610	528594	DFT-s 64 QAM	144@129	108@0	17.82	-20.13	17.82	19.82	0.0960
41C	30	100+90	509610	528594	DFT-s 64 QAM	1@171	1@68	16.83	-22.43	16.83	18.83	0.0764
41C	30	100+90	509610	528594	DFT-s 256 QAM	144@129	108@0	15.94	-22.18	15.94	17.94	0.0622
41C	30	100+90	509610	528594	DFT-s 256 QAM	1@171	1@68	16.35	-22.8	16.35	18.35	0.0684
41C	30	100+90	509610	528594	CP-OFDM QPSK	144@129	114@0	19.3	-17.33	19.30	21.30	0.1349
41C	30	100+90	509610	528594	CP-OFDM QPSK	1@171	1@68	17.1	-22.17	17.10	19.10	0.0813
41C	30	100+90	510012	528996	DFT-s BPSK	144@129	108@0	20.32	-18.65	20.32	22.32	0.1706
41C	30	100+90	510012	528996	DFT-s BPSK	1@171	1@68	18.72	-20.51	18.72	20.72	0.1180
41C	30	100+90	510012	528996	DFT-s QPSK	144@129	108@0	20.36	-18.29	20.36	22.36	0.1722
41C	30	100+90	510012	528996	DFT-s QPSK	1@171	1@68	18.74	-20.56	18.74	20.74	0.1186
41C	30	100+90	510012	528996	DFT-s 16 QAM	144@129	108@0	20.29	-17.93	20.29	22.29	0.1695
41C	30	100+90	510012	528996	DFT-s 16 QAM	1@171	1@68	16.89	-22.49	16.89	18.89	0.0775
41C	30	100+90	510012	528996	DFT-s 64 QAM	144@129	108@0	17.85	-20.24	17.85	19.85	0.0966
41C	30	100+90	510012	528996	DFT-s 64 QAM	1@171	1@68	16.7	-22.47	16.70	18.70	0.0741
41C	30	100+90	510012	528996	DFT-s 256 QAM	144@129	108@0	15.95	-22.27	15.95	17.95	0.0624
41C	30	100+90	510012	528996	DFT-s 256 QAM	1@171	1@68	16.41	-22.68	16.41	18.41	0.0694



41C	30	100+90	510012	528996	CP-OFDM QPSK	144@129	114@0	19.37	-18.37	19.37	21.37	0.1371
41C	30	100+90	510012	528996	CP-OFDM QPSK	1@171	1@68	17.78	-22.21	17.78	19.78	0.0951
41C	30	90+100	508200	527184	DFT-s QPSK	1@171	1@95	18.69	-20.4	18.69	20.69	0.1172
41C	30	90+100	508200	527184	DFT-s 16 QAM	1@171	1@95	16.85	-20.35	16.85	18.85	0.0768
41C	30	90+100	508608	527592	DFT-s QPSK	1@171	1@95	18.76	-20.46	18.76	20.76	0.1191
41C	30	90+100	508608	527592	DFT-s 16 QAM	1@171	1@95	16.87	-20.43	16.87	18.87	0.0771
41C	30	90+100	509016	528000	DFT-s QPSK	1@171	1@95	18.61	-20.42	18.61	20.61	0.1151
41C	30	90+100	509016	528000	DFT-s 16 QAM	1@171	1@95	16.89	-20.41	16.89	18.89	0.0775
41C	30	100+80	509202	527178	DFT-s QPSK	1@161	1@48	18.75	-20.51	18.75	20.75	0.1189
41C	30	100+80	509202	527178	DFT-s 16 QAM	1@161	1@48	16.89	-20.45	16.89	18.89	0.0775
41C	30	100+80	510600	528576	DFT-s QPSK	1@161	1@48	18.76	-20.54	18.76	20.76	0.1191
41C	30	100+80	510600	528576	DFT-s 16 QAM	1@161	1@48	16.92	-20.51	16.92	18.92	0.0780
41C	30	100+80	512022	529998	DFT-s QPSK	1@161	1@48	18.69	-20.74	18.69	20.69	0.1172
41C	30	100+80	512022	529998	DFT-s 16 QAM	1@161	1@48	16.91	-20.7	16.91	18.91	0.0778
41C	30	80+100	507204	525180	DFT-s QPSK	1@161	1@104	18.67	-20.11	18.67	20.67	0.1167
41C	30	80+100	507204	525180	DFT-s 16 QAM	1@161	1@104	16.85	-20.1	16.85	18.85	0.0768
41C	30	80+100	508602	526578	DFT-s QPSK	1@161	1@104	18.77	-20.45	18.77	20.77	0.1194
41C	30	80+100	508602	526578	DFT-s 16 QAM	1@161	1@104	16.92	-20.43	16.92	18.92	0.0780
41C	30	80+100	510024	528000	DFT-s QPSK	1@161	1@104	18.7	-20.63	18.70	20.70	0.1175
41C	30	80+100	510024	528000	DFT-s 16 QAM	1@161	1@104	16.95	-20.6	16.95	18.95	0.0785
41C	30	90+90	508200	526200	DFT-s QPSK	1@161	1@76	18.73	-20.54	18.73	20.73	0.1183
41C	30	90+90	508200	526200	DFT-s 16 QAM	1@161	1@76	16.85	-20.51	16.85	18.85	0.0768
41C	30	90+90	509598	527598	DFT-s QPSK	1@161	1@76	18.7	-20.71	18.70	20.70	0.1175
41C	30	90+90	509598	527598	DFT-s 16 QAM	1@161	1@76	16.91	-20.53	16.91	18.91	0.0778
41C	30	90+90	510996	528996	DFT-s QPSK	1@161	1@76	18.69	-20.61	18.69	20.69	0.1172
41C	30	90+90	510996	528996	DFT-s 16 QAM	1@161	1@76	16.87	-20.6	16.87	18.87	0.0771
41C	30	90+80	508200	525192	DFT-s QPSK	1@152	1@58	18.75	-19.96	18.75	20.75	0.1189
41C	30	90+80	508200	525192	DFT-s 16 QAM	1@152	1@58	16.81	-19.99	16.81	18.81	0.0760
41C	30	90+80	510606	527598	DFT-s QPSK	1@152	1@58	18.8	-20.45	18.80	20.80	0.1202
41C	30	90+80	510606	527598	DFT-s 16 QAM	1@152	1@58	16.8	-20.59	16.80	18.80	0.0759
41C	30	90+80	513006	529998	DFT-s QPSK	1@152	1@58	18.71	-20.67	18.71	20.71	0.1178
41C	30	90+80	513006	529998	DFT-s 16 QAM	1@152	1@58	16.89	-20.61	16.89	18.89	0.0775
41C	30	80+90	507204	524196	DFT-s QPSK	1@152	1@86	18.7	-19.78	18.70	20.70	0.1175
41C	30	80+90	507204	524196	DFT-s 16 QAM	1@152	1@86	16.85	-19.71	16.85	18.85	0.0768
41C	30	80+90	509604	526596	DFT-s QPSK	1@152	1@86	18.73	-20.31	18.73	20.73	0.1183
41C	30	80+90	509604	526596	DFT-s 16 QAM	1@152	1@86	16.79	-20.25	16.79	18.79	0.0757
41C	30	80+90	512004	528996	DFT-s QPSK	1@152	1@86	18.76	-20.59	18.76	20.76	0.1191



41C	30	80+90	512004	528996	DFT-s 16 QAM	1@152	1@86	16.85	-20.41	16.85	18.85	0.0768
41C	30	100+60	509202	525162	DFT-s QPSK	1@143	1@13	18.71	-19.94	18.71	20.71	0.1178
41C	30	100+60	509202	525162	DFT-s 16 QAM	1@143	1@13	16.85	-19.93	16.85	18.85	0.0768
41C	30	100+60	512598	528558	DFT-s QPSK	1@143	1@13	18.79	-20.93	18.79	20.79	0.1200
41C	30	100+60	512598	528558	DFT-s 16 QAM	1@143	1@13	16.89	-20.95	16.89	18.89	0.0775
41C	30	100+60	516036	531996	DFT-s QPSK	1@143	1@13	18.77	-21.19	18.77	20.77	0.1194
41C	30	100+60	516036	531996	DFT-s 16 QAM	1@143	1@13	16.92	-20.88	16.92	18.92	0.0780
41C	30	60+100	505200	521160	DFT-s QPSK	1@142	1@122	18.4	-19.2	18.40	20.40	0.1097
41C	30	60+100	505200	521160	DFT-s 16 QAM	1@142	1@122	16.61	-19.02	16.61	18.61	0.0726
41C	30	60+100	508602	524562	DFT-s QPSK	1@142	1@122	18.56	-19.08	18.56	20.56	0.1138
41C	30	60+100	508602	524562	DFT-s 16 QAM	1@142	1@122	16.79	-19.01	16.79	18.79	0.0757
41C	30	60+100	512040	528000	DFT-s QPSK	1@142	1@122	18.45	-19.22	18.45	20.45	0.1109
41C	30	60+100	512040	528000	DFT-s 16 QAM	1@142	1@122	16.59	-19.2	16.59	18.59	0.0723
41C	30	80+80	507204	523200	DFT-s QPSK	1@143	1@68	18.7	-19.56	18.70	20.70	0.1175
41C	30	80+80	507204	523200	DFT-s 16 QAM	1@143	1@68	16.85	-19.41	16.85	18.85	0.0768
41C	30	80+80	510600	526596	DFT-s QPSK	1@143	1@68	18.74	-20.43	18.74	20.74	0.1186
41C	30	80+80	510600	526596	DFT-s 16 QAM	1@143	1@68	16.89	-20.41	16.89	18.89	0.0775
41C	30	80+80	514002	529998	DFT-s QPSK	1@143	1@68	18.77	-20.75	18.77	20.77	0.1194
41C	30	80+80	514002	529998	DFT-s 16 QAM	1@143	1@68	16.95	-20.61	16.95	18.95	0.0785
41C	30	100+50	509202	524154	DFT-s QPSK	1@147	1@0	18.66	-19.98	18.66	20.66	0.1164
41C	30	100+50	509202	524154	DFT-s 16 QAM	1@147	1@0	16.85	-20.05	16.85	18.85	0.0768
41C	30	100+50	513600	528552	DFT-s QPSK	1@147	1@0	18.67	-21.09	18.67	20.67	0.1167
41C	30	100+50	513600	528552	DFT-s 16 QAM	1@147	1@0	16.91	-21.01	16.91	18.91	0.0778
41C	30	100+50	518046	532998	DFT-s QPSK	1@147	1@0	18.81	-21.08	18.81	20.81	0.1205
41C	30	100+50	518046	532998	DFT-s 16 QAM	1@147	1@0	16.75	-20.95	16.75	18.75	0.0750
41C	30	50+100	504204	519156	DFT-s QPSK	1@132	1@130	18.46	-18.89	18.46	20.46	0.1112
41C	30	50+100	504204	519156	DFT-s 16 QAM	1@132	1@130	16.65	-18.95	16.65	18.65	0.0733
41C	30	50+100	508602	523554	DFT-s QPSK	1@132	1@130	18.42	-19.88	18.42	20.42	0.1102
41C	30	50+100	508602	523554	DFT-s 16 QAM	1@132	1@130	16.62	-19.72	16.62	18.62	0.0728
41C	30	50+100	513048	528000	DFT-s QPSK	1@132	1@130	18.51	-20	18.51	20.51	0.1125
41C	30	50+100	513048	528000	DFT-s 16 QAM	1@132	1@130	16.75	-20.3	16.75	18.75	0.0750
41C	30	90+60	508200	523176	DFT-s QPSK	1@133	1@21	18.79	-19.82	18.79	20.79	0.1200
41C	30	90+60	508200	523176	DFT-s 16 QAM	1@133	1@21	16.89	-19.8	16.89	18.89	0.0775
41C	30	90+60	512610	527586	DFT-s QPSK	1@133	1@21	18.8	-20.84	18.80	20.80	0.1202
41C	30	90+60	512610	527586	DFT-s 16 QAM	1@133	1@21	16.95	-20.81	16.95	18.95	0.0785
41C	30	90+60	517020	531996	DFT-s QPSK	1@133	1@21	18.79	-21.03	18.79	20.79	0.1200
41C	30	90+60	517020	531996	DFT-s 16 QAM	1@133	1@21	16.88	-21.01	16.88	18.88	0.0773



41C	30	60+90	505200	520176	DFT-s QPSK	1@133	1@104	18.48	-19.21	18.48	20.48	0.1117
41C	30	60+90	505200	520176	DFT-s 16 QAM	1@133	1@104	16.59	-19.15	16.59	18.59	0.0723
41C	30	60+90	509610	524586	DFT-s QPSK	1@133	1@104	18.49	-20.24	18.49	20.49	0.1120
41C	30	60+90	509610	524586	DFT-s 16 QAM	1@133	1@104	16.62	-20.13	16.62	18.62	0.0728
41C	30	60+90	514020	528996	DFT-s QPSK	1@133	1@104	18.62	-20.47	18.62	20.62	0.1154
41C	30	60+90	514020	528996	DFT-s 16 QAM	1@133	1@104	16.85	-20.45	16.85	18.85	0.0768
41C	30	100+40	509202	523146	DFT-s QPSK	1@172	1@0	18.83	-20.88	18.83	20.83	0.1211
41C	30	100+40	509202	523146	DFT-s 16 QAM	1@172	1@0	16.92	-20.75	16.92	18.92	0.0780
41C	30	100+40	514602	528546	DFT-s QPSK	1@172	1@0	18.83	-19.84	18.83	20.83	0.1211
41C	30	100+40	514602	528546	DFT-s 16 QAM	1@172	1@0	16.89	-19.81	16.89	18.89	0.0775
41C	30	100+40	520056	534000	DFT-s QPSK	1@172	1@0	18.96	-20.61	18.96	20.96	0.1248
41C	30	100+40	520056	534000	DFT-s 16 QAM	1@172	1@0	17.05	-20.45	17.05	19.05	0.0804
41C	30	40+100	503202	517146	DFT-s QPSK	1@105	1@105	18.88	-25.54	18.88	20.88	0.1225
41C	30	40+100	503202	517146	DFT-s 16 QAM	1@105	1@105	16.95	-25.31	16.95	18.95	0.0785
41C	30	40+100	508602	522546	DFT-s QPSK	1@105	1@105	19.04	-25.4	19.04	21.04	0.1271
41C	30	40+100	508602	522546	DFT-s 16 QAM	1@105	1@105	17.25	-25.35	17.25	19.25	0.0841
41C	30	40+100	514056	528000	DFT-s QPSK	1@105	1@105	19.17	-25.73	19.17	21.17	0.1309
41C	30	40+100	514056	528000	DFT-s 16 QAM	1@105	1@105	17.35	-25.7	17.35	19.35	0.0861
41C	30	100+30	509202	522174	DFT-s QPSK	1@201	1@0	20.22	-18.47	20.22	22.22	0.1667
41C	30	100+30	509202	522174	DFT-s 16 QAM	1@201	1@0	18.43	-18.41	18.43	20.43	0.1104
41C	30	100+30	515616	528588	DFT-s QPSK	1@201	1@0	20.11	-18.83	20.11	22.11	0.1626
41C	30	100+30	515616	528588	DFT-s 16 QAM	1@201	1@0	18.41	-18.83	18.41	20.41	0.1099
41C	30	100+30	522024	534996	DFT-s QPSK	1@201	1@0	20.23	-18.98	20.23	22.23	0.1671
41C	30	100+30	522024	534996	DFT-s 16 QAM	1@201	1@0	18.5	-18.91	18.50	20.50	0.1122
41C	30	30+100	502200	515172	DFT-s QPSK	1@77	1@75	18.95	-17.71	18.95	20.95	0.1245
41C	30	30+100	502200	515172	DFT-s 16 QAM	1@77	1@75	17.05	-17.65	17.05	19.05	0.0804
41C	30	30+100	508614	521586	DFT-s QPSK	1@77	1@75	18.87	-17.37	18.87	20.87	0.1222
41C	30	30+100	508614	521586	DFT-s 16 QAM	1@77	1@75	17.1	-17.31	17.10	19.10	0.0813
41C	30	30+100	515028	528000	DFT-s QPSK	1@77	1@75	18.72	-18.55	18.72	20.72	0.1181
41C	30	30+100	515028	528000	DFT-s 16 QAM	1@77	1@75	16.85	-18.51	16.85	18.85	0.0768
41C	30	90+50	508200	522168	DFT-s QPSK	1@124	1@2	18.87	-21.12	18.87	20.87	0.1222
41C	30	90+50	508200	522168	DFT-s 16 QAM	1@124	1@2	16.99	-21.05	16.99	18.99	0.0793
41C	30	90+50	513618	527586	DFT-s QPSK	1@124	1@2	18.89	-19.97	18.89	20.89	0.1228
41C	30	90+50	513618	527586	DFT-s 16 QAM	1@124	1@2	16.98	-20.01	16.98	18.98	0.0791
41C	30	90+50	519030	532998	DFT-s QPSK	1@124	1@2	18.91	-20.41	18.91	20.91	0.1233
41C	30	90+50	519030	532998	DFT-s 16 QAM	1@124	1@2	16.95	-20.43	16.95	18.95	0.0785
41C	30	50+90	504204	518172	DFT-s QPSK	1@123	1@113	18.47	-20.96	18.47	20.47	0.1114



41C	30	50+90	504204	518172	DFT-s 16 QAM	1@123	1@113	16.55	-20.93	16.55	18.55	0.0716
41C	30	50+90	509616	523584	DFT-s QPSK	1@123	1@113	18.48	-20.77	18.48	20.48	0.1117
41C	30	50+90	509616	523584	DFT-s 16 QAM	1@123	1@113	16.69	-20.73	16.69	18.69	0.0740
41C	30	50+90	515028	528996	DFT-s QPSK	1@123	1@113	18.65	-21.1	18.65	20.65	0.1162
41C	30	50+90	515028	528996	DFT-s 16 QAM	1@123	1@113	16.72	-20.99	16.72	18.72	0.0745
41C	30	80+60	507204	521184	DFT-s QPSK	1@124	1@30	18.77	-21.29	18.77	20.77	0.1194
41C	30	80+60	507204	521184	DFT-s 16 QAM	1@124	1@30	16.85	-21.35	16.85	18.85	0.0767
41C	30	80+60	512598	526578	DFT-s QPSK	1@124	1@30	18.92	-20.37	18.92	20.92	0.1236
41C	30	80+60	512598	526578	DFT-s 16 QAM	1@124	1@30	16.99	-20.55	16.99	18.99	0.0793
41C	30	80+60	518016	531996	DFT-s QPSK	1@124	1@30	18.85	-20.72	18.85	20.85	0.1216
41C	30	80+60	518016	531996	DFT-s 16 QAM	1@124	1@30	17.01	-20.75	17.01	19.01	0.0796
41C	30	60+80	505200	519180	DFT-s QPSK	1@124	1@86	18.23	-20.76	18.23	20.23	0.1055
41C	30	60+80	505200	519180	DFT-s 16 QAM	1@124	1@86	16.55	-20.71	16.55	18.55	0.0716
41C	30	60+80	510600	524580	DFT-s QPSK	1@124	1@86	18.46	-20.65	18.46	20.46	0.1112
41C	30	60+80	510600	524580	DFT-s 16 QAM	1@124	1@86	16.61	-20.61	16.61	18.61	0.0726
41C	30	60+80	516018	529998	DFT-s QPSK	1@124	1@86	18.48	-20.71	18.48	20.48	0.1117
41C	30	60+80	516018	529998	DFT-s 16 QAM	1@124	1@86	16.63	-20.75	16.63	18.63	0.0730
41C	30	90+40	508200	521160	DFT-s QPSK	1@145	1@0	18.76	-19.83	18.76	20.76	0.1191
41C	30	90+40	508200	521160	DFT-s 16 QAM	1@145	1@0	16.95	-19.95	16.95	18.95	0.0785
41C	30	90+40	514620	527580	DFT-s QPSK	1@145	1@0	18.85	-21.18	18.85	20.85	0.1216
41C	30	90+40	514620	527580	DFT-s 16 QAM	1@145	1@0	17.05	-20.95	17.05	19.05	0.0804
41C	30	90+40	521040	534000	DFT-s QPSK	1@145	1@0	18.71	-20.23	18.71	20.71	0.1178
41C	30	90+40	521040	534000	DFT-s 16 QAM	1@145	1@0	16.99	-20.21	16.99	18.99	0.0793
41C	30	40+90	503202	516162	DFT-s QPSK	1@105	1@104	18.46	-18.49	18.46	20.46	0.1112
41C	30	40+90	503202	516162	DFT-s 16 QAM	1@105	1@104	16.68	-18.55	16.68	18.68	0.0738
41C	30	40+90	509622	522582	DFT-s QPSK	1@105	1@104	18.6	-19.46	18.60	20.60	0.1148
41C	30	40+90	509622	522582	DFT-s 16 QAM	1@105	1@104	16.85	-19.55	16.85	18.85	0.0768
41C	30	40+90	516036	528996	DFT-s QPSK	1@105	1@104	18.61	-20	18.61	20.61	0.1151
41C	30	40+90	516036	528996	DFT-s 16 QAM	1@105	1@104	16.87	-19.95	16.87	18.87	0.0771
41C	30	80+50	507204	520176	DFT-s QPSK	1@115	1@12	19.17	-19.74	19.17	21.17	0.1309
41C	30	80+50	507204	520176	DFT-s 16 QAM	1@115	1@12	17.35	-19.71	17.35	19.35	0.0861
41C	30	80+50	513600	526572	DFT-s QPSK	1@115	1@12	19.28	-20.81	19.28	21.28	0.1343
41C	30	80+50	513600	526572	DFT-s 16 QAM	1@115	1@12	17.55	-20.75	17.55	19.55	0.0902
41C	30	80+50	520026	532998	DFT-s QPSK	1@115	1@12	19.36	-20.71	19.36	21.36	0.1368
41C	30	80+50	520026	532998	DFT-s 16 QAM	1@115	1@12	17.59	-20.65	17.59	19.59	0.0910
41C	30	50+80	504204	517176	DFT-s QPSK	1@114	1@94	19.07	-19.13	19.07	21.07	0.1280
41C	30	50+80	504204	517176	DFT-s 16 QAM	1@114	1@94	17.35	-19.03	17.35	19.35	0.0861



41C	30	50+80	510600	523572	DFT-s QPSK	1@114	1@94	19.11	-20.16	19.11	21.11	0.1291
41C	30	50+80	510600	523572	DFT-s 16 QAM	1@114	1@94	17.39	-20.05	17.39	19.39	0.0869
41C	30	50+80	517026	529998	DFT-s QPSK	1@114	1@94	19.05	-20.07	19.05	21.05	0.1274
41C	30	50+80	517026	529998	DFT-s 16 QAM	1@114	1@94	17.42	-20.01	17.42	19.42	0.0875
41C	30	80+30	507204	518196	DFT-s QPSK	1@144	1@0	20.23	-17.42	20.23	22.23	0.1671
41C	30	80+30	507204	518196	DFT-s 16 QAM	1@144	1@0	18.55	-17.35	18.55	20.55	0.1135
41C	30	80+30	515604	526596	DFT-s QPSK	1@144	1@0	20.22	-18.78	20.22	22.22	0.1667
41C	30	80+30	515604	526596	DFT-s 16 QAM	1@144	1@0	18.53	-18.75	18.53	20.53	0.1130
41C	30	80+30	524004	534996	DFT-s QPSK	1@144	1@0	20.29	-17.16	20.29	22.29	0.1695
41C	30	80+30	524004	534996	DFT-s 16 QAM	1@144	1@0	18.59	-17.05	18.59	20.59	0.1146
41C	30	30+80	502200	513192	DFT-s QPSK	1@77	1@75	18.98	-17.93	18.98	20.98	0.1253
41C	30	30+80	502200	513192	DFT-s 16 QAM	1@77	1@75	17.21	-17.91	17.21	19.21	0.0834
41C	30	30+80	510606	521598	DFT-s QPSK	1@77	1@75	18.93	-18.29	18.93	20.93	0.1239
41C	30	30+80	510606	521598	DFT-s 16 QAM	1@77	1@75	17.23	-18.31	17.23	19.23	0.0838
41C	30	30+80	519006	529998	DFT-s QPSK	1@77	1@75	18.78	-18.39	18.78	20.78	0.1197
41C	30	30+80	519006	529998	DFT-s 16 QAM	1@77	1@75	16.99	-18.35	16.99	18.99	0.0793
41C	30	100+20	509202	521190	DFT-s QPSK	1@229	1@0	20.26	-18.97	20.26	22.26	0.1683
41C	30	100+20	509202	521190	DFT-s 16 QAM	1@229	1@0	18.51	-19.02	18.51	20.51	0.1125
41C	30	100+20	516606	528594	DFT-s QPSK	1@229	1@0	20.18	-19.15	20.18	22.18	0.1652
41C	30	100+20	516606	528594	DFT-s 16 QAM	1@229	1@0	18.53	-19.01	18.53	20.53	0.1130
41C	30	100+20	524010	535998	DFT-s QPSK	1@229	1@0	20.32	-18.68	20.32	22.32	0.1706
41C	30	100+20	524010	535998	DFT-s 16 QAM	1@229	1@0	18.56	-18.65	18.56	20.56	0.1138
41C	30	20+100	501204	513192	DFT-s QPSK	1@50	1@48	18.23	-19.42	18.23	20.23	0.1055
41C	30	20+100	501204	513192	DFT-s 16 QAM	1@50	1@48	16.53	-19.35	16.53	18.53	0.0713
41C	30	20+100	508608	520596	DFT-s QPSK	1@50	1@48	18.47	-19.11	18.47	20.47	0.1114
41C	30	20+100	508608	520596	DFT-s 16 QAM	1@50	1@48	16.69	-19.05	16.69	18.69	0.0740
41C	30	20+100	516012	528000	DFT-s QPSK	1@50	1@48	18.55	-19.51	18.55	20.55	0.1135
41C	30	20+100	516012	528000	DFT-s 16 QAM	1@50	1@48	16.69	-19.48	16.69	18.69	0.0740
41C	30	80+40	507204	519168	DFT-s QPSK	1@117	1@0	18.65	-19.83	18.65	20.65	0.1162
41C	30	80+40	507204	519168	DFT-s 16 QAM	1@117	1@0	16.95	-19.81	16.95	18.95	0.0785
41C	30	80+40	514602	526566	DFT-s QPSK	1@117	1@0	18.8	-21.01	18.80	20.80	0.1202
41C	30	80+40	514602	526566	DFT-s 16 QAM	1@117	1@0	16.99	-21.03	16.99	18.99	0.0793
41C	30	80+40	522036	534000	DFT-s QPSK	1@117	1@0	18.75	-20.21	18.75	20.75	0.1189
41C	30	80+40	522036	534000	DFT-s 16 QAM	1@117	1@0	16.98	-20.15	16.98	18.98	0.0791
41C	30	40+80	503202	515166	DFT-s QPSK	1@105	1@104	18.44	-18.79	18.44	20.44	0.1107
41C	30	40+80	503202	515166	DFT-s 16 QAM	1@105	1@104	16.69	-18.71	16.69	18.69	0.0740
41C	30	40+80	510600	522564	DFT-s QPSK	1@105	1@104	18.63	-19.71	18.63	20.63	0.1156



41C	30	40+80	510600	522564	DFT-s 16 QAM	1@105	1@104	16.85	-19.65	16.85	18.85	0.0768
41C	30	40+80	518034	529998	DFT-s QPSK	1@105	1@104	18.59	-19.44	18.59	20.59	0.1146
41C	30	40+80	518034	529998	DFT-s 16 QAM	1@105	1@104	16.75	-19.41	16.75	18.75	0.0750
41C	30	60+60	505200	517200	DFT-s QPSK	1@105	1@47	18.6	-19.5	18.60	20.60	0.1148
41C	30	60+60	505200	517200	DFT-s 16 QAM	1@105	1@47	16.85	-19.45	16.85	18.85	0.0768
41C	30	60+60	512598	524598	DFT-s QPSK	1@105	1@47	18.73	-20.45	18.73	20.73	0.1183
41C	30	60+60	512598	524598	DFT-s 16 QAM	1@105	1@47	16.95	-20.35	16.95	18.95	0.0785
41C	30	60+60	519996	531996	DFT-s QPSK	1@105	1@47	18.72	-20.1	18.72	20.72	0.1180
41C	30	60+60	519996	531996	DFT-s 16 QAM	1@105	1@47	16.88	-20.02	16.88	18.88	0.0773
41C	30	100+15	509202	520626	DFT-s QPSK	1@240	1@0	20.27	-19.1	20.27	22.27	0.1687
41C	30	100+15	509202	520626	DFT-s 16 QAM	1@240	1@0	18.53	-19.12	18.53	20.53	0.1130
41C	30	100+15	517140	528564	DFT-s QPSK	1@240	1@0	20.12	-19.14	20.12	22.12	0.1629
41C	30	100+15	517140	528564	DFT-s 16 QAM	1@240	1@0	18.39	-19.13	18.39	20.39	0.1094
41C	30	100+15	525072	536496	DFT-s QPSK	1@240	1@0	20.33	-19.08	20.33	22.33	0.1710
41C	30	100+15	525072	536496	DFT-s 16 QAM	1@240	1@0	18.59	-19.05	18.59	20.59	0.1146
41C	30	15+100	500700	512124	DFT-s QPSK	1@37	1@36	18.06	-18.99	18.06	20.06	0.1014
41C	30	15+100	500700	512124	DFT-s 16 QAM	1@37	1@36	16.25	-18.95	16.25	18.25	0.0669
41C	30	15+100	508638	520062	DFT-s QPSK	1@37	1@36	18.24	-18.86	18.24	20.24	0.1057
41C	30	15+100	508638	520062	DFT-s 16 QAM	1@37	1@36	16.59	-18.81	16.59	18.59	0.0723
41C	30	15+100	516576	528000	DFT-s QPSK	1@37	1@36	18.37	-19.09	18.37	20.37	0.1089
41C	30	15+100	516576	528000	DFT-s 16 QAM	1@37	1@36	16.54	-19.05	16.54	18.54	0.0715
41C	30	100+10	509202	520122	DFT-s QPSK	1@254	1@0	20.33	-18.79	20.33	22.33	0.1710
41C	30	100+10	509202	520122	DFT-s 16 QAM	1@254	1@0	18.59	-18.71	18.59	20.59	0.1146
41C	30	100+10	517644	528564	DFT-s QPSK	1@254	1@0	20.18	-18.86	20.18	22.18	0.1652
41C	30	100+10	517644	528564	DFT-s 16 QAM	1@254	1@0	18.39	-18.85	18.39	20.39	0.1094
41C	30	100+10	526080	537000	DFT-s QPSK	1@254	1@0	20.22	-18.99	20.22	22.22	0.1667
41C	30	100+10	526080	537000	DFT-s 16 QAM	1@254	1@0	18.42	-18.91	18.42	20.42	0.1102
41C	30	10+100	500202	511122	DFT-s QPSK	1@23	1@22	16.32	-20.72	16.32	18.32	0.0679
41C	30	10+100	500202	511122	DFT-s 16 QAM	1@23	1@22	14.59	-20.7	14.59	16.59	0.0456
41C	30	10+100	508644	519564	DFT-s QPSK	1@23	1@22	16.56	-20.73	16.56	18.56	0.0718
41C	30	10+100	508644	519564	DFT-s 16 QAM	1@23	1@22	14.85	-20.71	14.85	16.85	0.0484
41C	30	10+100	517080	528000	DFT-s QPSK	1@23	1@22	16.49	-20.94	16.49	18.49	0.0706
41C	30	10+100	517080	528000	DFT-s 16 QAM	1@23	1@22	14.61	-20.93	14.61	16.61	0.0458
41C	30	90+20	508200	519180	DFT-s QPSK	1@202	1@0	20.19	-18.74	20.19	22.19	0.1656
41C	30	90+20	508200	519180	DFT-s 16 QAM	1@202	1@0	18.52	-18.71	18.52	20.52	0.1127
41C	30	90+20	516612	527592	DFT-s QPSK	1@202	1@0	20.23	-19.22	20.23	22.23	0.1671
41C	30	90+20	516612	527592	DFT-s 16 QAM	1@202	1@0	18.51	-19.2	18.51	20.51	0.1125



41C	30	90+20	525018	535998	DFT-s QPSK	1@202	1@0	20.31	-18.69	20.31	22.31	0.1702
41C	30	90+20	525018	535998	DFT-s 16 QAM	1@202	1@0	18.59	-18.65	18.59	20.59	0.1146
41C	30	20+90	501204	512184	DFT-s QPSK	1@50	1@48	18.27	-19.52	18.27	20.27	0.1064
41C	30	20+90	501204	512184	DFT-s 16 QAM	1@50	1@48	16.55	-19.51	16.55	18.55	0.0716
41C	30	20+90	509610	520590	DFT-s QPSK	1@50	1@48	18.42	-19.16	18.42	20.42	0.1102
41C	30	20+90	509610	520590	DFT-s 16 QAM	1@50	1@48	16.69	-19.05	16.69	18.69	0.0740
41C	30	20+90	518016	528996	DFT-s QPSK	1@50	1@48	18.55	-20.04	18.55	20.55	0.1135
41C	30	20+90	518016	528996	DFT-s 16 QAM	1@50	1@48	16.81	-20.01	16.81	18.81	0.0760
41C	30	90+30	508200	520164	DFT-s QPSK	1@173	1@0	20.3	-17.79	20.30	22.30	0.1699
41C	30	90+30	508200	520164	DFT-s 16 QAM	1@173	1@0	18.51	-17.82	18.51	20.51	0.1125
41C	30	90+30	515616	527580	DFT-s QPSK	1@173	1@0	20.26	-18.84	20.26	22.26	0.1683
41C	30	90+30	515616	527580	DFT-s 16 QAM	1@173	1@0	18.59	-18.81	18.59	20.59	0.1146
41C	30	90+30	523032	534996	DFT-s QPSK	1@173	1@0	20.25	-17.22	20.25	22.25	0.1679
41C	30	90+30	523032	534996	DFT-s 16 QAM	1@173	1@0	18.53	-17.1	18.53	20.53	0.1130
41C	30	30+90	502200	514164	DFT-s QPSK	1@77	1@75	19.1	-17.89	19.10	21.10	0.1289
41C	30	30+90	502200	514164	DFT-s 16 QAM	1@77	1@75	17.53	-17.85	17.53	19.53	0.0898
41C	30	30+90	509616	521580	DFT-s QPSK	1@77	1@75	18.81	-17.92	18.81	20.81	0.1205
41C	30	30+90	509616	521580	DFT-s 16 QAM	1@77	1@75	17.02	-17.9	17.02	19.02	0.0798
41C	30	30+90	517032	528996	DFT-s QPSK	1@77	1@75	18.73	-18.44	18.73	20.73	0.1183
41C	30	30+90	517032	528996	DFT-s 16 QAM	1@77	1@75	16.99	-18.42	16.99	18.99	0.0793
41C	30	60+50	505200	516192	DFT-s QPSK	1@96	1@31	18.57	-19.8	18.57	20.57	0.1140
41C	30	60+50	505200	516192	DFT-s 16 QAM	1@96	1@31	16.88	-19.81	16.88	18.88	0.0773
41C	30	60+50	513600	524592	DFT-s QPSK	1@96	1@31	18.73	-20.54	18.73	20.73	0.1183
41C	30	60+50	513600	524592	DFT-s 16 QAM	1@96	1@31	16.99	-20.51	16.99	18.99	0.0793
41C	30	60+50	522006	532998	DFT-s QPSK	1@96	1@31	18.69	-19.9	18.69	20.69	0.1172
41C	30	60+50	522006	532998	DFT-s 16 QAM	1@96	1@31	16.81	-19.92	16.81	18.81	0.0760
41C	30	50+60	504204	515196	DFT-s QPSK	1@96	1@58	18.62	-19.59	18.62	20.62	0.1154
41C	30	50+60	504204	515196	DFT-s 16 QAM	1@96	1@58	16.85	-19.6	16.85	18.85	0.0768
41C	30	50+60	512598	523590	DFT-s QPSK	1@96	1@58	18.77	-20.31	18.77	20.77	0.1194
41C	30	50+60	512598	523590	DFT-s 16 QAM	1@96	1@58	16.99	-20.3	16.99	18.99	0.0793
41C	30	50+60	521004	531996	DFT-s QPSK	1@96	1@58	18.61	-19.7	18.61	20.61	0.1151
41C	30	50+60	521004	531996	DFT-s 16 QAM	1@96	1@58	16.85	-19.71	16.85	18.85	0.0768
41C	30	90+15	508200	518616	DFT-s QPSK	1@243	1@36	20.32	-19.07	20.32	22.32	0.1706
41C	30	90+15	508200	518616	DFT-s 16 QAM	1@243	1@36	18.59	-19.01	18.59	20.59	0.1146
41C	30	90+15	517140	527556	DFT-s QPSK	1@243	1@36	20.17	-18.79	20.17	22.17	0.1648
41C	30	90+15	517140	527556	DFT-s 16 QAM	1@243	1@36	18.51	-18.85	18.51	20.51	0.1125
41C	30	90+15	526080	536496	DFT-s QPSK	1@243	1@36	20.05	-19.5	20.05	22.05	0.1603



41C	30	90+15	526080	536496	DFT-s 16 QAM	1@243	1@36	18.31	-19.31	18.31	20.31	0.1074
41C	30	15+90	500700	511116	DFT-s QPSK	1@37	1@36	18.17	-18.94	18.17	20.17	0.1040
41C	30	15+90	500700	511116	DFT-s 16 QAM	1@37	1@36	16.51	-19.02	16.51	18.51	0.0710
41C	30	15+90	509640	520056	DFT-s QPSK	1@37	1@36	18.13	-18.99	18.13	20.13	0.1031
41C	30	15+90	509640	520056	DFT-s 16 QAM	1@37	1@36	16.59	-19.02	16.59	18.59	0.0723
41C	30	15+90	518580	528996	DFT-s QPSK	1@37	1@36	18.31	-19.43	18.31	20.31	0.1074
41C	30	15+90	518580	528996	DFT-s 16 QAM	1@37	1@36	16.51	-19.52	16.51	18.51	0.0710



<SCC Power all up>

NR	SCS	Bandwidth	PCC Arfcn	SCC Arfcn	Modulation	PCC RB	SCC RB	PCC Power(dBm)	SCC Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
Band	(kHz)	(MHz)										
41C	30	100+90	509202	528186	DFT-s BPSK	144@129	108@0	-5.19	19.94	19.95	21.95	0.1568
41C	30	100+90	509202	528186	DFT-s BPSK	1@171	1@68	-5.36	18.33	18.35	20.35	0.1084
41C	30	100+90	509202	528186	DFT-s QPSK	144@129	108@0	-5.14	20.14	20.15	22.15	0.1642
41C	30	100+90	509202	528186	DFT-s QPSK	1@171	1@68	-5.16	17.95	17.97	19.97	0.0993
41C	30	100+90	509202	528186	DFT-s 16 QAM	144@129	108@0	-5.12	19.74	19.75	21.75	0.1498
41C	30	100+90	509202	528186	DFT-s 16 QAM	1@171	1@68	-5.39	16.08	16.11	18.11	0.0647
41C	30	100+90	509202	528186	DFT-s 64 QAM	144@129	108@0	-5.33	17.31	17.33	19.33	0.0858
41C	30	100+90	509202	528186	DFT-s 64 QAM	1@171	1@68	-5.21	16.41	16.44	18.44	0.0698
41C	30	100+90	509202	528186	DFT-s 256 QAM	144@129	108@0	-5.23	15.03	15.07	17.07	0.0509
41C	30	100+90	509202	528186	DFT-s 256 QAM	1@171	1@68	-5.21	15.56	15.60	17.60	0.0575
41C	30	100+90	509202	528186	CP-OFDM QPSK	144@129	114@0	-5.39	17.46	17.48	19.48	0.0888
41C	30	100+90	509202	528186	CP-OFDM QPSK	1@171	1@68	-5.24	16.83	16.86	18.86	0.0769
41C	30	100+90	509610	528594	DFT-s BPSK	144@129	108@0	-5.26	19.93	19.94	21.94	0.1564
41C	30	100+90	509610	528594	DFT-s BPSK	1@171	1@68	-5.21	18.28	18.30	20.30	0.1071
41C	30	100+90	509610	528594	DFT-s QPSK	144@129	108@0	-5.34	19.91	19.92	21.92	0.1557
41C	30	100+90	509610	528594	DFT-s QPSK	1@171	1@68	-5.36	18.16	18.18	20.18	0.1042
41C	30	100+90	509610	528594	DFT-s 16 QAM	144@129	108@0	-5.15	19.83	19.84	21.84	0.1529
41C	30	100+90	509610	528594	DFT-s 16 QAM	1@171	1@68	-5.4	16	16.03	18.03	0.0636
41C	30	100+90	509610	528594	DFT-s 64 QAM	144@129	108@0	-5.21	17.27	17.29	19.29	0.0850
41C	30	100+90	509610	528594	DFT-s 64 QAM	1@171	1@68	-5.14	16.15	16.18	18.18	0.0658
41C	30	100+90	509610	528594	DFT-s 256 QAM	144@129	108@0	-5.31	15.11	15.15	17.15	0.0519
41C	30	100+90	509610	528594	DFT-s 256 QAM	1@171	1@68	-5.35	15.44	15.48	17.48	0.0559
41C	30	100+90	509610	528594	CP-OFDM QPSK	144@129	114@0	-5.33	17.4	17.42	19.42	0.0876
41C	30	100+90	509610	528594	CP-OFDM QPSK	1@171	1@68	-5.17	16.6	16.63	18.63	0.0729
41C	30	100+90	510012	528996	DFT-s BPSK	144@129	108@0	-5.16	19.87	19.88	21.88	0.1543
41C	30	100+90	510012	528996	DFT-s BPSK	1@171	1@68	-5.22	18.27	18.29	20.29	0.1069
41C	30	100+90	510012	528996	DFT-s QPSK	144@129	108@0	-5.12	19.86	19.87	21.87	0.1539
41C	30	100+90	510012	528996	DFT-s QPSK	1@171	1@68	-5.36	18.12	18.14	20.14	0.1033
41C	30	100+90	510012	528996	DFT-s 16 QAM	144@129	108@0	-5.26	19.78	19.79	21.79	0.1511
41C	30	100+90	510012	528996	DFT-s 16 QAM	1@171	1@68	-5.12	16.12	16.15	18.15	0.0654
41C	30	100+90	510012	528996	DFT-s 64 QAM	144@129	108@0	-5.3	17.26	17.28	19.28	0.0848
41C	30	100+90	510012	528996	DFT-s 64 QAM	1@171	1@68	-5.28	16.14	16.17	18.17	0.0656
41C	30	100+90	510012	528996	DFT-s 256 QAM	144@129	108@0	-5.13	15.18	15.22	17.22	0.0527
41C	30	100+90	510012	528996	DFT-s 256 QAM	1@171	1@68	-5.16	15.54	15.58	17.58	0.0572



41C	30	100+90	510012	528996	CP-OFDM QPSK	144@129	114@0	-5.2	18.5	18.52	20.52	0.1127
41C	30	100+90	510012	528996	CP-OFDM QPSK	1@171	1@68	-5.18	16.62	16.65	18.65	0.0733
41C	30	90+100	508200	527184	DFT-s QPSK	1@171	1@95	-5.38	18.18	18.20	20.20	0.1047
41C	30	90+100	508200	527184	DFT-s 16 QAM	1@171	1@95	-5.45	16.62	16.65	18.65	0.0732
41C	30	90+100	508608	527592	DFT-s QPSK	1@171	1@95	-5.23	18.13	18.15	20.15	0.1035
41C	30	90+100	508608	527592	DFT-s 16 QAM	1@171	1@95	-5.21	16.55	16.58	18.58	0.0721
41C	30	90+100	509016	528000	DFT-s QPSK	1@171	1@95	-5.17	18.02	18.04	20.04	0.1009
41C	30	90+100	509016	528000	DFT-s 16 QAM	1@171	1@95	-5.25	16.44	16.47	18.47	0.0703
41C	30	100+80	509202	527178	DFT-s QPSK	1@161	1@48	-5.29	18.34	18.36	20.36	0.1086
41C	30	100+80	509202	527178	DFT-s 16 QAM	1@161	1@48	-5.21	16.79	16.82	18.82	0.0762
41C	30	100+80	510600	528576	DFT-s QPSK	1@161	1@48	-5.17	18.16	18.18	20.18	0.1042
41C	30	100+80	510600	528576	DFT-s 16 QAM	1@161	1@48	-5.11	16.41	16.44	18.44	0.0698
41C	30	100+80	512022	529998	DFT-s QPSK	1@161	1@48	-5.1	18.29	18.31	20.31	0.1074
41C	30	100+80	512022	529998	DFT-s 16 QAM	1@161	1@48	-5.07	16.67	16.70	18.70	0.0741
41C	30	80+100	507204	525180	DFT-s QPSK	1@161	1@104	-5.14	18.4	18.42	20.42	0.1101
41C	30	80+100	507204	525180	DFT-s 16 QAM	1@161	1@104	-5.12	16.68	16.71	18.71	0.0743
41C	30	80+100	508602	526578	DFT-s QPSK	1@161	1@104	-5.37	18.19	18.21	20.21	0.1049
41C	30	80+100	508602	526578	DFT-s 16 QAM	1@161	1@104	-5.31	16.51	16.54	18.54	0.0714
41C	30	80+100	510024	528000	DFT-s QPSK	1@161	1@104	-5.19	18.15	18.17	20.17	0.1040
41C	30	80+100	510024	528000	DFT-s 16 QAM	1@161	1@104	-5.19	16.44	16.47	18.47	0.0703
41C	30	90+90	508200	526200	DFT-s QPSK	1@161	1@76	-5.26	18.09	18.11	20.11	0.1026
41C	30	90+90	508200	526200	DFT-s 16 QAM	1@161	1@76	-5.17	16.38	16.41	18.41	0.0693
41C	30	90+90	509598	527598	DFT-s QPSK	1@161	1@76	-5.28	17.99	18.01	20.01	0.1002
41C	30	90+90	509598	527598	DFT-s 16 QAM	1@161	1@76	-5.2	16.25	16.28	18.28	0.0673
41C	30	90+90	510996	528996	DFT-s QPSK	1@161	1@76	-5.12	18.09	18.11	20.11	0.1026
41C	30	90+90	510996	528996	DFT-s 16 QAM	1@161	1@76	-5.12	16.53	16.56	18.56	0.0718
41C	30	90+80	508200	525192	DFT-s QPSK	1@152	1@58	-5.3	18.09	18.11	20.11	0.1026
41C	30	90+80	508200	525192	DFT-s 16 QAM	1@152	1@58	-5.2	16.42	16.45	18.45	0.0700
41C	30	90+80	510606	527598	DFT-s QPSK	1@152	1@58	-5.21	17.93	17.95	19.95	0.0989
41C	30	90+80	510606	527598	DFT-s 16 QAM	1@152	1@58	-5.26	16.34	16.37	18.37	0.0687
41C	30	90+80	513006	529998	DFT-s QPSK	1@152	1@58	-5.4	18.29	18.31	20.31	0.1074
41C	30	90+80	513006	529998	DFT-s 16 QAM	1@152	1@58	-5.35	16.72	16.75	18.75	0.0749
41C	30	80+90	507204	524196	DFT-s QPSK	1@152	1@86	-5.27	18.2	18.22	20.22	0.1052
41C	30	80+90	507204	524196	DFT-s 16 QAM	1@152	1@86	-5.2	16.61	16.64	18.64	0.0731
41C	30	80+90	509604	526596	DFT-s QPSK	1@152	1@86	-5.33	18.26	18.28	20.28	0.1066
41C	30	80+90	509604	526596	DFT-s 16 QAM	1@152	1@86	-5.29	16.54	16.57	18.57	0.0719
41C	30	80+90	512004	528996	DFT-s QPSK	1@152	1@86	-5.34	18.1	18.12	20.12	0.1028



41C	30	80+90	512004	528996	DFT-s 16 QAM	1@152	1@86	-5.29	16.4	16.43	18.43	0.0697
41C	30	100+60	509202	525162	DFT-s QPSK	1@143	1@13	-5.36	17.93	17.95	19.95	0.0989
41C	30	100+60	509202	525162	DFT-s 16 QAM	1@143	1@13	-5.26	16.26	16.29	18.29	0.0675
41C	30	100+60	512598	528558	DFT-s QPSK	1@143	1@13	-5.14	17.9	17.92	19.92	0.0982
41C	30	100+60	512598	528558	DFT-s 16 QAM	1@143	1@13	-5.11	16.26	16.29	18.29	0.0675
41C	30	100+60	516036	531996	DFT-s QPSK	1@143	1@13	-5.16	17.83	17.85	19.85	0.0966
41C	30	100+60	516036	531996	DFT-s 16 QAM	1@143	1@13	-5.18	16.26	16.29	18.29	0.0675
41C	30	60+100	505200	521160	DFT-s QPSK	1@142	1@122	-5.33	18.35	18.37	20.37	0.1089
41C	30	60+100	505200	521160	DFT-s 16 QAM	1@142	1@122	-5.36	16.73	16.76	18.76	0.0751
41C	30	60+100	508602	524562	DFT-s QPSK	1@142	1@122	-5.13	18.13	18.15	20.15	0.1035
41C	30	60+100	508602	524562	DFT-s 16 QAM	1@142	1@122	-5.14	16.52	16.55	18.55	0.0716
41C	30	60+100	512040	528000	DFT-s QPSK	1@142	1@122	-5.31	18.08	18.10	20.10	0.1023
41C	30	60+100	512040	528000	DFT-s 16 QAM	1@142	1@122	-5.26	16.36	16.39	18.39	0.0690
41C	30	80+80	507204	523200	DFT-s QPSK	1@143	1@68	-5.35	18.06	18.08	20.08	0.1019
41C	30	80+80	507204	523200	DFT-s 16 QAM	1@143	1@68	-5.36	16.41	16.44	18.44	0.0698
41C	30	80+80	510600	526596	DFT-s QPSK	1@143	1@68	-5.25	18.06	18.08	20.08	0.1019
41C	30	80+80	510600	526596	DFT-s 16 QAM	1@143	1@68	-5.34	16.39	16.42	18.42	0.0695
41C	30	80+80	514002	529998	DFT-s QPSK	1@143	1@68	-5.13	18.13	18.15	20.15	0.1035
41C	30	80+80	514002	529998	DFT-s 16 QAM	1@143	1@68	-5.16	16.54	16.57	18.57	0.0719
41C	30	100+50	509202	524154	DFT-s QPSK	1@147	1@0	-5.23	17.81	17.83	19.83	0.0962
41C	30	100+50	509202	524154	DFT-s 16 QAM	1@147	1@0	-5.27	16.15	16.18	18.18	0.0658
41C	30	100+50	513600	528552	DFT-s QPSK	1@147	1@0	-5.26	18.01	18.03	20.03	0.1007
41C	30	100+50	513600	528552	DFT-s 16 QAM	1@147	1@0	-5.26	16.39	16.42	18.42	0.0695
41C	30	100+50	518046	532998	DFT-s QPSK	1@147	1@0	-5.27	18.08	18.10	20.10	0.1023
41C	30	100+50	518046	532998	DFT-s 16 QAM	1@147	1@0	-5.24	16.41	16.44	18.44	0.0698
41C	30	50+100	504204	519156	DFT-s QPSK	1@132	1@130	-5.39	18.11	18.13	20.13	0.1030
41C	30	50+100	504204	519156	DFT-s 16 QAM	1@132	1@130	-5.29	16.41	16.44	18.44	0.0698
41C	30	50+100	508602	523554	DFT-s QPSK	1@132	1@130	-5.14	18.18	18.20	20.20	0.1047
41C	30	50+100	508602	523554	DFT-s 16 QAM	1@132	1@130	-5.23	16.55	16.58	18.58	0.0721
41C	30	50+100	513048	528000	DFT-s QPSK	1@132	1@130	-5.22	18.46	18.48	20.48	0.1116
41C	30	50+100	513048	528000	DFT-s 16 QAM	1@132	1@130	-5.19	16.77	16.80	18.80	0.0758
41C	30	90+60	508200	523176	DFT-s QPSK	1@133	1@21	-5.15	17.88	17.90	19.90	0.0978
41C	30	90+60	508200	523176	DFT-s 16 QAM	1@133	1@21	-5.18	16.15	16.18	18.18	0.0658
41C	30	90+60	512610	527586	DFT-s QPSK	1@133	1@21	-5.28	18.03	18.05	20.05	0.1012
41C	30	90+60	512610	527586	DFT-s 16 QAM	1@133	1@21	-5.19	16.33	16.36	18.36	0.0686
41C	30	90+60	517020	531996	DFT-s QPSK	1@133	1@21	-5.15	18.15	18.17	20.17	0.1040
41C	30	90+60	517020	531996	DFT-s 16 QAM	1@133	1@21	-5.14	16.45	16.48	18.48	0.0705



41C	30	60+90	505200	520176	DFT-s QPSK	1@133	1@104	-5.1	18.17	18.19	20.19	0.1045
41C	30	60+90	505200	520176	DFT-s 16 QAM	1@133	1@104	-5.13	16.46	16.49	18.49	0.0706
41C	30	60+90	509610	524586	DFT-s QPSK	1@133	1@104	-5.38	18.28	18.30	20.30	0.1071
41C	30	60+90	509610	524586	DFT-s 16 QAM	1@133	1@104	-5.38	16.65	16.68	18.68	0.0737
41C	30	60+90	514020	528996	DFT-s QPSK	1@133	1@104	-5.17	18.34	18.36	20.36	0.1086
41C	30	60+90	514020	528996	DFT-s 16 QAM	1@133	1@104	-5.27	16.66	16.69	18.69	0.0739
41C	30	100+40	509202	523146	DFT-s QPSK	1@172	1@0	-5.12	18.2	18.22	20.22	0.1052
41C	30	100+40	509202	523146	DFT-s 16 QAM	1@172	1@0	-5.16	16.52	16.55	18.55	0.0716
41C	30	100+40	514602	528546	DFT-s QPSK	1@172	1@0	-5.26	18.18	18.20	20.20	0.1047
41C	30	100+40	514602	528546	DFT-s 16 QAM	1@172	1@0	-5.3	16.53	16.56	18.56	0.0718
41C	30	100+40	520056	534000	DFT-s QPSK	1@172	1@0	-5.34	18.14	18.16	20.16	0.1037
41C	30	100+40	520056	534000	DFT-s 16 QAM	1@172	1@0	-5.24	16.51	16.54	18.54	0.0714
41C	30	40+100	503202	517146	DFT-s QPSK	1@105	1@105	-5.36	18.3	18.32	20.32	0.1076
41C	30	40+100	503202	517146	DFT-s 16 QAM	1@105	1@105	-5.37	16.68	16.71	18.71	0.0743
41C	30	40+100	508602	522546	DFT-s QPSK	1@105	1@105	-5.35	17.45	17.47	19.47	0.0886
41C	30	40+100	508602	522546	DFT-s 16 QAM	1@105	1@105	-5.44	15.73	15.76	17.76	0.0597
41C	30	40+100	514056	528000	DFT-s QPSK	1@105	1@105	-5.23	18.83	18.85	20.85	0.1215
41C	30	40+100	514056	528000	DFT-s 16 QAM	1@105	1@105	-5.16	17.14	17.17	19.17	0.0825
41C	30	100+30	509202	522174	DFT-s QPSK	1@201	1@0	-5.11	20.12	20.13	22.13	0.1634
41C	30	100+30	509202	522174	DFT-s 16 QAM	1@201	1@0	-5.17	18.42	18.44	20.44	0.1106
41C	30	100+30	515616	528588	DFT-s QPSK	1@201	1@0	-5.3	20.01	20.02	22.02	0.1593
41C	30	100+30	515616	528588	DFT-s 16 QAM	1@201	1@0	-5.3	18.35	18.37	20.37	0.1089
41C	30	100+30	522024	534996	DFT-s QPSK	1@201	1@0	-5.21	20.02	20.03	22.03	0.1597
41C	30	100+30	522024	534996	DFT-s 16 QAM	1@201	1@0	-5.23	18.3	18.32	20.32	0.1076
41C	30	30+100	502200	515172	DFT-s QPSK	1@77	1@75	-5.12	19.22	19.24	21.24	0.1329
41C	30	30+100	502200	515172	DFT-s 16 QAM	1@77	1@75	-5.09	17.59	17.61	19.61	0.0915
41C	30	30+100	508614	521586	DFT-s QPSK	1@77	1@75	-5.15	19.3	19.32	21.32	0.1354
41C	30	30+100	508614	521586	DFT-s 16 QAM	1@77	1@75	-5.08	17.57	17.59	19.59	0.0911
41C	30	30+100	515028	528000	DFT-s QPSK	1@77	1@75	-5.12	19.34	19.36	21.36	0.1366
41C	30	30+100	515028	528000	DFT-s 16 QAM	1@77	1@75	-5.06	17.74	17.76	19.76	0.0947
41C	30	90+50	508200	522168	DFT-s QPSK	1@124	1@2	-5.18	18	18.02	20.02	0.1005
41C	30	90+50	508200	522168	DFT-s 16 QAM	1@124	1@2	-5.21	16.36	16.39	18.39	0.0690
41C	30	90+50	513618	527586	DFT-s QPSK	1@124	1@2	-5.36	18.06	18.08	20.08	0.1019
41C	30	90+50	513618	527586	DFT-s 16 QAM	1@124	1@2	-5.33	16.5	16.53	18.53	0.0713
41C	30	90+50	519030	532998	DFT-s QPSK	1@124	1@2	-5.18	18.13	18.15	20.15	0.1035
41C	30	90+50	519030	532998	DFT-s 16 QAM	1@124	1@2	-5.12	16.52	16.55	18.55	0.0716
41C	30	50+90	504204	518172	DFT-s QPSK	1@123	1@113	-5.15	17.64	17.66	19.66	0.0925



41C	30	50+90	504204	518172	DFT-s 16 QAM	1@123	1@113	-5.15	16.06	16.09	18.09	0.0645
41C	30	50+90	509616	523584	DFT-s QPSK	1@123	1@113	-5.17	17.68	17.70	19.70	0.0934
41C	30	50+90	509616	523584	DFT-s 16 QAM	1@123	1@113	-5.12	16.09	16.12	18.12	0.0649
41C	30	50+90	515028	528996	DFT-s QPSK	1@123	1@113	-5.21	17.91	17.93	19.93	0.0984
41C	30	50+90	515028	528996	DFT-s 16 QAM	1@123	1@113	-5.19	16.21	16.24	18.24	0.0667
41C	30	80+60	507204	521184	DFT-s QPSK	1@124	1@30	-5.18	17.88	17.90	19.90	0.0978
41C	30	80+60	507204	521184	DFT-s 16 QAM	1@124	1@30	-5.13	16.16	16.19	18.19	0.0660
41C	30	80+60	512598	526578	DFT-s QPSK	1@124	1@30	-5.4	17.86	17.88	19.88	0.0973
41C	30	80+60	512598	526578	DFT-s 16 QAM	1@124	1@30	-5.46	16.3	16.33	18.33	0.0681
41C	30	80+60	518016	531996	DFT-s QPSK	1@124	1@30	-5.19	18.09	18.11	20.11	0.1026
41C	30	80+60	518016	531996	DFT-s 16 QAM	1@124	1@30	-5.29	16.46	16.49	18.49	0.0706
41C	30	60+80	505200	519180	DFT-s QPSK	1@124	1@86	-5.38	18.29	18.31	20.31	0.1074
41C	30	60+80	505200	519180	DFT-s 16 QAM	1@124	1@86	-5.4	16.71	16.74	18.74	0.0748
41C	30	60+80	510600	524580	DFT-s QPSK	1@124	1@86	-5.4	18.13	18.15	20.15	0.1035
41C	30	60+80	510600	524580	DFT-s 16 QAM	1@124	1@86	-5.45	16.44	16.47	18.47	0.0703
41C	30	60+80	516018	529998	DFT-s QPSK	1@124	1@86	-5.18	18.39	18.41	20.41	0.1099
41C	30	60+80	516018	529998	DFT-s 16 QAM	1@124	1@86	-5.26	16.65	16.68	18.68	0.0738
41C	30	90+40	508200	521160	DFT-s QPSK	1@145	1@0	-5.37	18.6	18.62	20.62	0.1153
41C	30	90+40	508200	521160	DFT-s 16 QAM	1@145	1@0	-5.29	17	17.03	19.03	0.0799
41C	30	90+40	514620	527580	DFT-s QPSK	1@145	1@0	-5.1	18.55	18.57	20.57	0.1140
41C	30	90+40	514620	527580	DFT-s 16 QAM	1@145	1@0	-5.1	16.9	16.93	18.93	0.0781
41C	30	90+40	521040	534000	DFT-s QPSK	1@145	1@0	-5.28	18.25	18.27	20.27	0.1064
41C	30	90+40	521040	534000	DFT-s 16 QAM	1@145	1@0	-5.35	16.58	16.61	18.61	0.0726
41C	30	40+90	503202	516162	DFT-s QPSK	1@105	1@104	-5.34	18.71	18.73	20.73	0.1182
41C	30	40+90	503202	516162	DFT-s 16 QAM	1@105	1@104	-5.24	17.12	17.15	19.15	0.0821
41C	30	40+90	509622	522582	DFT-s QPSK	1@105	1@104	-5.29	18.66	18.68	20.68	0.1169
41C	30	40+90	509622	522582	DFT-s 16 QAM	1@105	1@104	-5.27	17.01	17.04	19.04	0.0801
41C	30	40+90	516036	528996	DFT-s QPSK	1@105	1@104	-5.16	18.65	18.67	20.67	0.1166
41C	30	40+90	516036	528996	DFT-s 16 QAM	1@105	1@104	-5.23	17.01	17.04	19.04	0.0801
41C	30	80+50	507204	520176	DFT-s QPSK	1@115	1@12	-5.26	18.55	18.57	20.57	0.1140
41C	30	80+50	507204	520176	DFT-s 16 QAM	1@115	1@12	-5.27	16.8	16.83	18.83	0.0763
41C	30	80+50	513600	526572	DFT-s QPSK	1@115	1@12	-5.12	18.5	18.52	20.52	0.1127
41C	30	80+50	513600	526572	DFT-s 16 QAM	1@115	1@12	-5.13	16.79	16.82	18.82	0.0762
41C	30	80+50	520026	532998	DFT-s QPSK	1@115	1@12	-5.11	18.36	18.38	20.38	0.1091
41C	30	80+50	520026	532998	DFT-s 16 QAM	1@115	1@12	-5.07	16.7	16.73	18.73	0.0746
41C	30	50+80	504204	517176	DFT-s QPSK	1@114	1@94	-5.32	18.71	18.73	20.73	0.1182
41C	30	50+80	504204	517176	DFT-s 16 QAM	1@114	1@94	-5.4	17.08	17.10	19.10	0.0814



41C	30	50+80	510600	523572	DFT-s QPSK	1@114	1@94	-5.32	18.68	18.70	20.70	0.1174
41C	30	50+80	510600	523572	DFT-s 16 QAM	1@114	1@94	-5.25	16.96	16.99	18.99	0.0792
41C	30	50+80	517026	529998	DFT-s QPSK	1@114	1@94	-5.13	18.58	18.60	20.60	0.1148
41C	30	50+80	517026	529998	DFT-s 16 QAM	1@114	1@94	-5.13	16.96	16.99	18.99	0.0792
41C	30	80+30	507204	518196	DFT-s QPSK	1@144	1@0	-5.21	20.11	20.12	22.12	0.1630
41C	30	80+30	507204	518196	DFT-s 16 QAM	1@144	1@0	-5.29	18.49	18.51	20.51	0.1124
41C	30	80+30	515604	526596	DFT-s QPSK	1@144	1@0	-5.02	20.01	20.02	22.02	0.1594
41C	30	80+30	515604	526596	DFT-s 16 QAM	1@144	1@0	-5.01	18.36	18.38	20.38	0.1091
41C	30	80+30	524004	534996	DFT-s QPSK	1@144	1@0	-5.11	20.03	20.04	22.04	0.1601
41C	30	80+30	524004	534996	DFT-s 16 QAM	1@144	1@0	-5.21	18.29	18.31	20.31	0.1074
41C	30	30+80	502200	513192	DFT-s QPSK	1@77	1@75	-5.03	19.33	19.35	21.35	0.1363
41C	30	30+80	502200	513192	DFT-s 16 QAM	1@77	1@75	-4.98	17.77	17.79	19.79	0.0953
41C	30	30+80	510606	521598	DFT-s QPSK	1@77	1@75	-5.13	19.37	19.39	21.39	0.1376
41C	30	30+80	510606	521598	DFT-s 16 QAM	1@77	1@75	-5.2	17.81	17.83	19.83	0.0962
41C	30	30+80	519006	529998	DFT-s QPSK	1@77	1@75	-5.12	19.3	19.32	21.32	0.1354
41C	30	30+80	519006	529998	DFT-s 16 QAM	1@77	1@75	-5.03	17.7	17.72	19.72	0.0938
41C	30	100+20	509202	521190	DFT-s QPSK	1@229	1@0	-5.22	19.76	19.77	21.77	0.1504
41C	30	100+20	509202	521190	DFT-s 16 QAM	1@229	1@0	-5.21	18.2	18.22	20.22	0.1052
41C	30	100+20	516606	528594	DFT-s QPSK	1@229	1@0	-5.36	19.88	19.89	21.89	0.1546
41C	30	100+20	516606	528594	DFT-s 16 QAM	1@229	1@0	-5.35	18.23	18.25	20.25	0.1059
41C	30	100+20	524010	535998	DFT-s QPSK	1@229	1@0	-5.34	19.74	19.75	21.75	0.1497
41C	30	100+20	524010	535998	DFT-s 16 QAM	1@229	1@0	-5.32	18.07	18.09	20.09	0.1021
41C	30	20+100	501204	513192	DFT-s QPSK	1@50	1@48	-5.39	17.64	17.66	19.66	0.0925
41C	30	20+100	501204	513192	DFT-s 16 QAM	1@50	1@48	-5.3	16.08	16.11	18.11	0.0647
41C	30	20+100	508608	520596	DFT-s QPSK	1@50	1@48	-5.3	18.53	18.55	20.55	0.1134
41C	30	20+100	508608	520596	DFT-s 16 QAM	1@50	1@48	-5.26	16.81	16.84	18.84	0.0765
41C	30	20+100	516012	528000	DFT-s QPSK	1@50	1@48	-5.15	18.73	18.75	20.75	0.1188
41C	30	20+100	516012	528000	DFT-s 16 QAM	1@50	1@48	-5.12	16.99	17.02	19.02	0.0797
41C	30	80+40	507204	519168	DFT-s QPSK	1@117	1@0	-5.25	18.46	18.48	20.48	0.1116
41C	30	80+40	507204	519168	DFT-s 16 QAM	1@117	1@0	-5.16	16.91	16.94	18.94	0.0783
41C	30	80+40	514602	526566	DFT-s QPSK	1@117	1@0	-5.37	18.45	18.47	20.47	0.1114
41C	30	80+40	514602	526566	DFT-s 16 QAM	1@117	1@0	-5.31	16.72	16.75	18.75	0.0749
41C	30	80+40	522036	534000	DFT-s QPSK	1@117	1@0	-5.18	18.23	18.25	20.25	0.1059
41C	30	80+40	522036	534000	DFT-s 16 QAM	1@117	1@0	-5.14	16.6	16.63	18.63	0.0729
41C	30	40+80	503202	515166	DFT-s QPSK	1@105	1@104	-5.39	18.68	18.70	20.70	0.1174
41C	30	40+80	503202	515166	DFT-s 16 QAM	1@105	1@104	-5.3	16.95	16.98	18.98	0.0790
41C	30	40+80	510600	522564	DFT-s QPSK	1@105	1@104	-5.32	18.7	18.72	20.72	0.1180



41C	30	40+80	510600	522564	DFT-s 16 QAM	1@105	1@104	-5.24	17.08	17.11	19.11	0.0814
41C	30	40+80	518034	529998	DFT-s QPSK	1@105	1@104	-5.26	18.68	18.70	20.70	0.1174
41C	30	40+80	518034	529998	DFT-s 16 QAM	1@105	1@104	-5.26	17.03	17.06	19.06	0.0805
41C	30	60+60	505200	517200	DFT-s QPSK	1@105	1@47	-5.29	18.53	18.55	20.55	0.1134
41C	30	60+60	505200	517200	DFT-s 16 QAM	1@105	1@47	-5.23	16.9	16.93	18.93	0.0781
41C	30	60+60	512598	524598	DFT-s QPSK	1@105	1@47	-5.15	18.58	18.60	20.60	0.1148
41C	30	60+60	512598	524598	DFT-s 16 QAM	1@105	1@47	-5.08	16.98	17.01	19.01	0.0796
41C	30	60+60	519996	531996	DFT-s QPSK	1@105	1@47	-5.24	18.52	18.54	20.54	0.1132
41C	30	60+60	519996	531996	DFT-s 16 QAM	1@105	1@47	-5.19	16.79	16.82	18.82	0.0762
41C	30	100+15	509202	520626	DFT-s QPSK	1@240	1@0	-5.26	19.88	19.89	21.89	0.1546
41C	30	100+15	509202	520626	DFT-s 16 QAM	1@240	1@0	-5.34	18.14	18.16	20.16	0.1037
41C	30	100+15	517140	528564	DFT-s QPSK	1@240	1@0	-5.33	19.57	19.58	21.58	0.1440
41C	30	100+15	517140	528564	DFT-s 16 QAM	1@240	1@0	-5.39	17.92	17.94	19.94	0.0986
41C	30	100+15	525072	536496	DFT-s QPSK	1@240	1@0	-5.32	19.56	19.57	21.57	0.1437
41C	30	100+15	525072	536496	DFT-s 16 QAM	1@240	1@0	-5.32	17.96	17.98	19.98	0.0995
41C	30	15+100	500700	512124	DFT-s QPSK	1@37	1@36	-5.33	17.7	17.72	19.72	0.0938
41C	30	15+100	500700	512124	DFT-s 16 QAM	1@37	1@36	-5.35	15.96	15.99	17.99	0.0630
41C	30	15+100	508638	520062	DFT-s QPSK	1@37	1@36	-5.38	18.56	18.58	20.58	0.1142
41C	30	15+100	508638	520062	DFT-s 16 QAM	1@37	1@36	-5.3	16.88	16.91	18.91	0.0777
41C	30	15+100	516576	528000	DFT-s QPSK	1@37	1@36	-5.16	18.66	18.68	20.68	0.1169
41C	30	15+100	516576	528000	DFT-s 16 QAM	1@37	1@36	-5.12	17.07	17.10	19.10	0.0812
41C	30	100+10	509202	520122	DFT-s QPSK	1@254	1@0	-5.16	19.84	19.85	21.85	0.1532
41C	30	100+10	509202	520122	DFT-s 16 QAM	1@254	1@0	-5.12	18.17	18.19	20.19	0.1045
41C	30	100+10	517644	528564	DFT-s QPSK	1@254	1@0	-5.1	19.77	19.78	21.78	0.1508
41C	30	100+10	517644	528564	DFT-s 16 QAM	1@254	1@0	-5.14	18.09	18.11	20.11	0.1026
41C	30	100+10	526080	537000	DFT-s QPSK	1@254	1@0	-5.37	19.95	19.96	21.96	0.1571
41C	30	100+10	526080	537000	DFT-s 16 QAM	1@254	1@0	-5.46	18.24	18.26	20.26	0.1061
41C	30	10+100	500202	511122	DFT-s QPSK	1@23	1@22	-5.16	15.64	15.68	17.68	0.0586
41C	30	10+100	500202	511122	DFT-s 16 QAM	1@23	1@22	-5.08	13.92	13.97	15.97	0.0396
41C	30	10+100	508644	519564	DFT-s QPSK	1@23	1@22	-5.28	16.46	16.49	18.49	0.0706
41C	30	10+100	508644	519564	DFT-s 16 QAM	1@23	1@22	-5.28	14.85	14.89	16.89	0.0489
41C	30	10+100	517080	528000	DFT-s QPSK	1@23	1@22	-5.28	16.68	16.71	18.71	0.0743
41C	30	10+100	517080	528000	DFT-s 16 QAM	1@23	1@22	-5.28	14.93	14.97	16.97	0.0498
41C	30	90+20	508200	519180	DFT-s QPSK	1@202	1@0	-5.14	19.05	19.07	21.07	0.1278
41C	30	90+20	508200	519180	DFT-s 16 QAM	1@202	1@0	-5.06	17.44	17.46	19.46	0.0884
41C	30	90+20	516612	527592	DFT-s QPSK	1@202	1@0	-5.13	19.94	19.95	21.95	0.1568
41C	30	90+20	516612	527592	DFT-s 16 QAM	1@202	1@0	-5.22	18.29	18.31	20.31	0.1074



41C	30	90+20	525018	535998	DFT-s QPSK	1@202	1@0	-5.16	19.8	19.81	21.81	0.1518
41C	30	90+20	525018	535998	DFT-s 16 QAM	1@202	1@0	-5.21	18.09	18.11	20.11	0.1026
41C	30	20+90	501204	512184	DFT-s QPSK	1@50	1@48	-5.4	17.73	17.75	19.75	0.0944
41C	30	20+90	501204	512184	DFT-s 16 QAM	1@50	1@48	-5.32	16.11	16.14	18.14	0.0652
41C	30	20+90	509610	520590	DFT-s QPSK	1@50	1@48	-5.33	18.54	18.56	20.56	0.1137
41C	30	20+90	509610	520590	DFT-s 16 QAM	1@50	1@48	-5.25	16.81	16.84	18.84	0.0765
41C	30	20+90	518016	528996	DFT-s QPSK	1@50	1@48	-5.14	18.5	18.52	20.52	0.1127
41C	30	20+90	518016	528996	DFT-s 16 QAM	1@50	1@48	-5.11	16.84	16.87	18.87	0.0770
41C	30	90+30	508200	520164	DFT-s QPSK	1@173	1@0	-5.81	20.08	20.09	22.09	0.1619
41C	30	90+30	508200	520164	DFT-s 16 QAM	1@173	1@0	-5.81	18.46	18.48	20.48	0.1116
41C	30	90+30	515616	527580	DFT-s QPSK	1@173	1@0	-5.46	20.03	20.04	22.04	0.1600
41C	30	90+30	515616	527580	DFT-s 16 QAM	1@173	1@0	-5.48	18.31	18.33	20.33	0.1078
41C	30	90+30	523032	534996	DFT-s QPSK	1@173	1@0	-5.33	20.13	20.14	22.14	0.1638
41C	30	90+30	523032	534996	DFT-s 16 QAM	1@173	1@0	-5.43	18.41	18.43	20.43	0.1104
41C	30	30+90	502200	514164	DFT-s QPSK	1@77	1@75	-4.71	19.41	19.43	21.43	0.1389
41C	30	30+90	502200	514164	DFT-s 16 QAM	1@77	1@75	-4.67	17.66	17.69	19.69	0.0930
41C	30	30+90	509616	521580	DFT-s QPSK	1@77	1@75	-4.91	19.47	19.49	21.49	0.1408
41C	30	30+90	509616	521580	DFT-s 16 QAM	1@77	1@75	-4.95	17.79	17.81	19.81	0.0958
41C	30	30+90	517032	528996	DFT-s QPSK	1@77	1@75	-5.08	19.58	19.59	21.59	0.1444
41C	30	30+90	517032	528996	DFT-s 16 QAM	1@77	1@75	-5.01	18	18.02	20.02	0.1005
41C	30	60+50	505200	516192	DFT-s QPSK	1@96	1@31	-5.26	18.43	18.45	20.45	0.1109
41C	30	60+50	505200	516192	DFT-s 16 QAM	1@96	1@31	-5.25	16.83	16.86	18.86	0.0769
41C	30	60+50	513600	524592	DFT-s QPSK	1@96	1@31	-5.25	18.55	18.57	20.57	0.1140
41C	30	60+50	513600	524592	DFT-s 16 QAM	1@96	1@31	-5.21	16.94	16.97	18.97	0.0788
41C	30	60+50	522006	532998	DFT-s QPSK	1@96	1@31	-5.36	18.24	18.26	20.26	0.1061
41C	30	60+50	522006	532998	DFT-s 16 QAM	1@96	1@31	-5.32	16.62	16.65	18.65	0.0732
41C	30	50+60	504204	515196	DFT-s QPSK	1@96	1@58	-5.37	18.51	18.53	20.53	0.1129
41C	30	50+60	504204	515196	DFT-s 16 QAM	1@96	1@58	-5.36	16.93	16.96	18.96	0.0786
41C	30	50+60	512598	523590	DFT-s QPSK	1@96	1@58	-5.38	18.46	18.48	20.48	0.1116
41C	30	50+60	512598	523590	DFT-s 16 QAM	1@96	1@58	-5.48	16.82	16.85	18.85	0.0767
41C	30	50+60	521004	531996	DFT-s QPSK	1@96	1@58	-5.15	18.26	18.28	20.28	0.1067
41C	30	50+60	521004	531996	DFT-s 16 QAM	1@96	1@58	-5.17	16.63	16.66	18.66	0.0734
41C	30	90+15	508200	518616	DFT-s QPSK	1@243	1@36	-5.19	18.47	18.49	20.49	0.1119
41C	30	90+15	508200	518616	DFT-s 16 QAM	1@243	1@36	-5.24	16.85	16.88	18.88	0.0772
41C	30	90+15	517140	527556	DFT-s QPSK	1@243	1@36	-5.37	18.36	18.38	20.38	0.1091
41C	30	90+15	517140	527556	DFT-s 16 QAM	1@243	1@36	-5.3	16.63	16.66	18.66	0.0734
41C	30	90+15	526080	536496	DFT-s QPSK	1@243	1@36	-5.23	18.51	18.53	20.53	0.1129



41C	30	90+15	526080	536496	DFT-s 16 QAM	1@243	1@36	-5.3	16.93	16.96	18.96	0.0786
41C	30	15+90	500700	511116	DFT-s QPSK	1@37	1@36	-5.13	17.74	17.76	19.76	0.0947
41C	30	15+90	500700	511116	DFT-s 16 QAM	1@37	1@36	-5.2	16.02	16.05	18.05	0.0639
41C	30	15+90	509640	520056	DFT-s QPSK	1@37	1@36	-5.33	18.44	18.46	20.46	0.1111
41C	30	15+90	509640	520056	DFT-s 16 QAM	1@37	1@36	-5.42	16.71	16.74	18.74	0.0748
41C	30	15+90	518580	528996	DFT-s QPSK	1@37	1@36	-5.2	18.54	18.56	20.56	0.1137
41C	30	15+90	518580	528996	DFT-s 16 QAM	1@37	1@36	-5.25	16.82	16.85	18.85	0.0767



<PCC/SCC Average Power>

NR	SCS	Bandwidth	PCC Arfcn	SCC Arfcn	Modulation	PCC RB	SCC RB	PCC Power(dBm)	SCC Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
Band	(kHz)	(MHz)										
41C	30	100+90	509202	528186	DFT-s BPSK	144@129	108@0	16.86	16.85	19.87	21.87	0.1536
41C	30	100+90	509202	528186	DFT-s BPSK	1@171	1@68	15.32	15.43	18.39	20.39	0.1093
41C	30	100+90	509202	528186	DFT-s QPSK	144@129	108@0	17.02	17.18	20.11	22.11	0.1626
41C	30	100+90	509202	528186	DFT-s QPSK	1@171	1@68	15.29	15.44	18.38	20.38	0.1090
41C	30	100+90	509202	528186	DFT-s 16 QAM	144@129	108@0	17.02	17.07	20.06	22.06	0.1605
41C	30	100+90	509202	528186	DFT-s 16 QAM	1@171	1@68	13.32	13.37	16.36	18.36	0.0685
41C	30	100+90	509202	528186	DFT-s 64 QAM	144@129	108@0	14.67	14.5	17.60	19.60	0.0911
41C	30	100+90	509202	528186	DFT-s 64 QAM	1@171	1@68	13.34	13.48	16.42	18.42	0.0695
41C	30	100+90	509202	528186	DFT-s 256 QAM	144@129	108@0	12.68	12.57	15.64	17.64	0.0580
41C	30	100+90	509202	528186	DFT-s 256 QAM	1@171	1@68	13.21	12.93	16.08	18.08	0.0643
41C	30	100+90	509202	528186	CP-OFDM QPSK	144@129	114@0	16.06	16.15	19.12	21.12	0.1293
41C	30	100+90	509202	528186	CP-OFDM QPSK	1@171	1@68	14.34	14.48	17.42	19.42	0.0875
41C	30	100+90	509610	528594	DFT-s BPSK	144@129	108@0	16.69	16.82	19.77	21.77	0.1502
41C	30	100+90	509610	528594	DFT-s BPSK	1@171	1@68	15.48	15.48	18.49	20.49	0.1120
41C	30	100+90	509610	528594	DFT-s QPSK	144@129	108@0	16.66	16.96	19.82	21.82	0.1522
41C	30	100+90	509610	528594	DFT-s QPSK	1@171	1@68	15.6	15.4	18.51	20.51	0.1125
41C	30	100+90	509610	528594	DFT-s 16 QAM	144@129	108@0	16.59	16.77	19.69	21.69	0.1476
41C	30	100+90	509610	528594	DFT-s 16 QAM	1@171	1@68	13.4	13.21	16.32	18.32	0.0679
41C	30	100+90	509610	528594	DFT-s 64 QAM	144@129	108@0	14.71	14.54	17.64	19.64	0.0920
41C	30	100+90	509610	528594	DFT-s 64 QAM	1@171	1@68	13.67	13.6	16.65	18.65	0.0732
41C	30	100+90	509610	528594	DFT-s 256 QAM	144@129	108@0	12.85	12.65	15.76	17.76	0.0597
41C	30	100+90	509610	528594	DFT-s 256 QAM	1@171	1@68	13.03	13	16.03	18.03	0.0635
41C	30	100+90	509610	528594	CP-OFDM QPSK	144@129	114@0	15.99	16.07	19.04	21.04	0.1271
41C	30	100+90	509610	528594	CP-OFDM QPSK	1@171	1@68	13.85	13.65	16.76	18.76	0.0752
41C	30	100+90	510012	528996	DFT-s BPSK	144@129	108@0	17.13	17.03	20.09	22.09	0.1618
41C	30	100+90	510012	528996	DFT-s BPSK	1@171	1@68	15.5	15.4	18.46	20.46	0.1112
41C	30	100+90	510012	528996	DFT-s QPSK	144@129	108@0	17.06	16.77	19.93	21.93	0.1559
41C	30	100+90	510012	528996	DFT-s QPSK	1@171	1@68	15.62	15.55	18.60	20.60	0.1147
41C	30	100+90	510012	528996	DFT-s 16 QAM	144@129	108@0	16.73	16.92	19.84	21.84	0.1526
41C	30	100+90	510012	528996	DFT-s 16 QAM	1@171	1@68	13.6	13.67	16.65	18.65	0.0732
41C	30	100+90	510012	528996	DFT-s 64 QAM	144@129	108@0	14.73	14.45	17.60	19.60	0.0913
41C	30	100+90	510012	528996	DFT-s 64 QAM	1@171	1@68	13.45	13.35	16.41	18.41	0.0694
41C	30	100+90	510012	528996	DFT-s 256 QAM	144@129	108@0	12.69	12.54	15.63	17.63	0.0579
41C	30	100+90	510012	528996	DFT-s 256 QAM	1@171	1@68	13.15	12.97	16.07	18.07	0.0641
41C	30	100+90	510012	528996	CP-OFDM QPSK	144@129	114@0	16.22	16.05	19.15	21.15	0.1302



41C	30	100+90	510012	528996	CP-OFDM QPSK	1@171	1@68	14.59	14.62	17.62	19.62	0.0915
41C	30	90+100	508200	527184	DFT-s QPSK	1@171	1@95	15.58	15.41	18.51	20.51	0.1124
41C	30	90+100	508200	527184	DFT-s 16 QAM	1@171	1@95	13.58	13.49	16.55	18.55	0.0715
41C	30	90+100	508608	527592	DFT-s QPSK	1@171	1@95	15.54	15.6	18.58	20.58	0.1143
41C	30	90+100	508608	527592	DFT-s 16 QAM	1@171	1@95	13.63	13.74	16.70	18.70	0.0741
41C	30	90+100	509016	528000	DFT-s QPSK	1@171	1@95	15.46	15.32	18.40	20.40	0.1097
41C	30	90+100	509016	528000	DFT-s 16 QAM	1@171	1@95	13.53	13.51	16.53	18.53	0.0713
41C	30	100+80	509202	527178	DFT-s QPSK	1@161	1@48	15.31	15.43	18.38	20.38	0.1092
41C	30	100+80	509202	527178	DFT-s 16 QAM	1@161	1@48	13.4	13.47	16.45	18.45	0.0699
41C	30	100+80	510600	528576	DFT-s QPSK	1@161	1@48	15.65	15.46	18.57	20.57	0.1139
41C	30	100+80	510600	528576	DFT-s 16 QAM	1@161	1@48	13.82	13.5	16.67	18.67	0.0737
41C	30	100+80	512022	529998	DFT-s QPSK	1@161	1@48	15.51	15.47	18.50	20.50	0.1122
41C	30	100+80	512022	529998	DFT-s 16 QAM	1@161	1@48	13.56	13.55	16.57	18.57	0.0719
41C	30	80+100	507204	525180	DFT-s QPSK	1@161	1@104	15.38	15.37	18.39	20.39	0.1093
41C	30	80+100	507204	525180	DFT-s 16 QAM	1@161	1@104	13.55	13.4	16.49	18.49	0.0706
41C	30	80+100	508602	526578	DFT-s QPSK	1@161	1@104	15.58	15.31	18.46	20.46	0.1111
41C	30	80+100	508602	526578	DFT-s 16 QAM	1@161	1@104	13.73	13.4	16.58	18.58	0.0721
41C	30	80+100	510024	528000	DFT-s QPSK	1@161	1@104	15.59	15.45	18.53	20.53	0.1130
41C	30	80+100	510024	528000	DFT-s 16 QAM	1@161	1@104	13.77	13.55	16.67	18.67	0.0736
41C	30	90+90	508200	526200	DFT-s QPSK	1@161	1@76	15.41	15.47	18.45	20.45	0.1109
41C	30	90+90	508200	526200	DFT-s 16 QAM	1@161	1@76	13.5	13.51	16.52	18.52	0.0710
41C	30	90+90	509598	527598	DFT-s QPSK	1@161	1@76	15.39	15.34	18.38	20.38	0.1090
41C	30	90+90	509598	527598	DFT-s 16 QAM	1@161	1@76	13.45	13.42	16.45	18.45	0.0699
41C	30	90+90	510996	528996	DFT-s QPSK	1@161	1@76	15.43	15.51	18.48	20.48	0.1117
41C	30	90+90	510996	528996	DFT-s 16 QAM	1@161	1@76	13.51	13.58	16.56	18.56	0.0717
41C	30	90+80	508200	525192	DFT-s QPSK	1@152	1@58	15.61	15.46	18.55	20.55	0.1134
41C	30	90+80	508200	525192	DFT-s 16 QAM	1@152	1@58	13.72	13.5	16.62	18.62	0.0728
41C	30	90+80	510606	527598	DFT-s QPSK	1@152	1@58	15.53	15.48	18.52	20.52	0.1126
41C	30	90+80	510606	527598	DFT-s 16 QAM	1@152	1@58	13.61	13.52	16.58	18.58	0.0720
41C	30	90+80	513006	529998	DFT-s QPSK	1@152	1@58	15.49	15.54	18.53	20.53	0.1129
41C	30	90+80	513006	529998	DFT-s 16 QAM	1@152	1@58	13.61	13.61	16.62	18.62	0.0728
41C	30	80+90	507204	524196	DFT-s QPSK	1@152	1@86	15.46	15.27	18.38	20.38	0.1091
41C	30	80+90	507204	524196	DFT-s 16 QAM	1@152	1@86	13.6	13.47	16.55	18.55	0.0715
41C	30	80+90	509604	526596	DFT-s QPSK	1@152	1@86	15.53	15.59	18.57	20.57	0.1140
41C	30	80+90	509604	526596	DFT-s 16 QAM	1@152	1@86	13.64	13.73	16.70	18.70	0.0741
41C	30	80+90	512004	528996	DFT-s QPSK	1@152	1@86	15.49	15.5	18.51	20.51	0.1123
41C	30	80+90	512004	528996	DFT-s 16 QAM	1@152	1@86	13.5	13.51	16.52	18.52	0.0710



41C	30	100+60	509202	525162	DFT-s QPSK	1@143	1@13	15.4	15.39	18.41	20.41	0.1098
41C	30	100+60	509202	525162	DFT-s 16 QAM	1@143	1@13	13.42	13.43	16.44	18.44	0.0697
41C	30	100+60	512598	528558	DFT-s QPSK	1@143	1@13	15.6	15.5	18.56	20.56	0.1138
41C	30	100+60	512598	528558	DFT-s 16 QAM	1@143	1@13	13.8	13.65	16.74	18.74	0.0747
41C	30	100+60	516036	531996	DFT-s QPSK	1@143	1@13	15.49	15.33	18.42	20.42	0.1102
41C	30	100+60	516036	531996	DFT-s 16 QAM	1@143	1@13	13.49	13.49	16.50	18.50	0.0708
41C	30	60+100	505200	521160	DFT-s QPSK	1@142	1@122	15.12	15.24	18.19	20.19	0.1045
41C	30	60+100	505200	521160	DFT-s 16 QAM	1@142	1@122	13.31	13.28	16.31	18.31	0.0677
41C	30	60+100	508602	524562	DFT-s QPSK	1@142	1@122	15.54	15.5	18.53	20.53	0.1130
41C	30	60+100	508602	524562	DFT-s 16 QAM	1@142	1@122	13.69	13.68	16.70	18.70	0.0741
41C	30	60+100	512040	528000	DFT-s QPSK	1@142	1@122	15.18	15.23	18.22	20.22	0.1051
41C	30	60+100	512040	528000	DFT-s 16 QAM	1@142	1@122	13.36	13.3	16.34	18.34	0.0682
41C	30	80+80	507204	523200	DFT-s QPSK	1@143	1@68	15.38	15.34	18.37	20.37	0.1089
41C	30	80+80	507204	523200	DFT-s 16 QAM	1@143	1@68	13.51	13.41	16.47	18.47	0.0703
41C	30	80+80	510600	526596	DFT-s QPSK	1@143	1@68	15.64	15.59	18.63	20.63	0.1155
41C	30	80+80	510600	526596	DFT-s 16 QAM	1@143	1@68	13.83	13.6	16.73	18.73	0.0746
41C	30	80+80	514002	529998	DFT-s QPSK	1@143	1@68	15.66	15.43	18.56	20.56	0.1137
41C	30	80+80	514002	529998	DFT-s 16 QAM	1@143	1@68	13.73	13.56	16.66	18.66	0.0734
41C	30	100+50	509202	524154	DFT-s QPSK	1@147	1@0	15.57	15.52	18.56	20.56	0.1136
41C	30	100+50	509202	524154	DFT-s 16 QAM	1@147	1@0	13.76	13.52	16.65	18.65	0.0733
41C	30	100+50	513600	528552	DFT-s QPSK	1@147	1@0	15.53	15.24	18.40	20.40	0.1096
41C	30	100+50	513600	528552	DFT-s 16 QAM	1@147	1@0	13.6	13.27	16.45	18.45	0.0700
41C	30	100+50	518046	532998	DFT-s QPSK	1@147	1@0	15.68	15.4	18.55	20.55	0.1136
41C	30	100+50	518046	532998	DFT-s 16 QAM	1@147	1@0	13.74	13.49	16.63	18.63	0.0729
41C	30	50+100	504204	519156	DFT-s QPSK	1@132	1@130	15.35	15.18	18.28	20.28	0.1066
41C	30	50+100	504204	519156	DFT-s 16 QAM	1@132	1@130	13.55	13.36	16.47	18.47	0.0702
41C	30	50+100	508602	523554	DFT-s QPSK	1@132	1@130	15.1	15.05	18.09	20.09	0.1020
41C	30	50+100	508602	523554	DFT-s 16 QAM	1@132	1@130	13.27	13.19	16.24	18.24	0.0667
41C	30	50+100	513048	528000	DFT-s QPSK	1@132	1@130	15.22	15.09	18.17	20.17	0.1039
41C	30	50+100	513048	528000	DFT-s 16 QAM	1@132	1@130	13.4	13.17	16.30	18.30	0.0676
41C	30	90+60	508200	523176	DFT-s QPSK	1@133	1@21	15.5	15.6	18.56	20.56	0.1138
41C	30	90+60	508200	523176	DFT-s 16 QAM	1@133	1@21	13.62	13.6	16.62	18.62	0.0728
41C	30	90+60	512610	527586	DFT-s QPSK	1@133	1@21	15.52	15.61	18.58	20.58	0.1142
41C	30	90+60	512610	527586	DFT-s 16 QAM	1@133	1@21	13.61	13.67	16.65	18.65	0.0733
41C	30	90+60	517020	531996	DFT-s QPSK	1@133	1@21	15.58	15.4	18.50	20.50	0.1122
41C	30	90+60	517020	531996	DFT-s 16 QAM	1@133	1@21	13.71	13.55	16.64	18.64	0.0731
41C	30	60+90	505200	520176	DFT-s QPSK	1@133	1@104	15.2	15.15	18.19	20.19	0.1044



41C	30	60+90	505200	520176	DFT-s 16 QAM	1@133	1@104	13.4	13.17	16.30	18.30	0.0676
41C	30	60+90	509610	524586	DFT-s QPSK	1@133	1@104	15.33	15.17	18.26	20.26	0.1062
41C	30	60+90	509610	524586	DFT-s 16 QAM	1@133	1@104	13.51	13.37	16.45	18.45	0.0700
41C	30	60+90	514020	528996	DFT-s QPSK	1@133	1@104	15.51	15.37	18.45	20.45	0.1109
41C	30	60+90	514020	528996	DFT-s 16 QAM	1@133	1@104	13.71	13.44	16.59	18.59	0.0722
41C	30	100+40	509202	523146	DFT-s QPSK	1@172	1@0	15.5	15.66	18.59	20.59	0.1146
41C	30	100+40	509202	523146	DFT-s 16 QAM	1@172	1@0	13.66	13.84	16.76	18.76	0.0752
41C	30	100+40	514602	528546	DFT-s QPSK	1@172	1@0	15.71	15.5	18.62	20.62	0.1153
41C	30	100+40	514602	528546	DFT-s 16 QAM	1@172	1@0	13.71	13.61	16.67	18.67	0.0736
41C	30	100+40	520056	534000	DFT-s QPSK	1@172	1@0	15.7	15.62	18.67	20.67	0.1167
41C	30	100+40	520056	534000	DFT-s 16 QAM	1@172	1@0	13.75	13.63	16.70	18.70	0.0741
41C	30	40+100	503202	517146	DFT-s QPSK	1@105	1@105	15.91	15.71	18.82	20.82	0.1208
41C	30	40+100	503202	517146	DFT-s 16 QAM	1@105	1@105	14.06	13.82	16.95	18.95	0.0786
41C	30	40+100	508602	522546	DFT-s QPSK	1@105	1@105	15.14	15.95	18.57	20.57	0.1141
41C	30	40+100	508602	522546	DFT-s 16 QAM	1@105	1@105	13.28	14.11	16.73	18.73	0.0746
41C	30	40+100	514056	528000	DFT-s QPSK	1@105	1@105	15.08	15.2	18.15	20.15	0.1035
41C	30	40+100	514056	528000	DFT-s 16 QAM	1@105	1@105	13.15	13.23	16.20	18.20	0.0661
41C	30	100+30	509202	522174	DFT-s QPSK	1@201	1@0	17.02	16.98	20.01	22.01	0.1589
41C	30	100+30	509202	522174	DFT-s 16 QAM	1@201	1@0	15.06	15.07	18.08	20.08	0.1017
41C	30	100+30	515616	528588	DFT-s QPSK	1@201	1@0	17.11	16.55	19.85	21.85	0.1531
41C	30	100+30	515616	528588	DFT-s 16 QAM	1@201	1@0	15.24	14.55	17.92	19.92	0.0982
41C	30	100+30	522024	534996	DFT-s QPSK	1@201	1@0	17.09	16.89	20.00	22.00	0.1585
41C	30	100+30	522024	534996	DFT-s 16 QAM	1@201	1@0	15.29	15.03	18.17	20.17	0.1040
41C	30	30+100	502200	515172	DFT-s QPSK	1@77	1@75	16.78	16.89	19.85	21.85	0.1530
41C	30	30+100	502200	515172	DFT-s 16 QAM	1@77	1@75	14.78	14.95	17.88	19.88	0.0972
41C	30	30+100	508614	521586	DFT-s QPSK	1@77	1@75	16.75	16.77	19.77	21.77	0.1503
41C	30	30+100	508614	521586	DFT-s 16 QAM	1@77	1@75	14.94	14.85	17.91	19.91	0.0978
41C	30	30+100	515028	528000	DFT-s QPSK	1@77	1@75	16.78	16.76	19.78	21.78	0.1507
41C	30	30+100	515028	528000	DFT-s 16 QAM	1@77	1@75	14.93	14.93	17.94	19.94	0.0986
41C	30	90+50	508200	522168	DFT-s QPSK	1@124	1@2	15.57	15.51	18.55	20.55	0.1135
41C	30	90+50	508200	522168	DFT-s 16 QAM	1@124	1@2	13.68	13.67	16.69	18.69	0.0739
41C	30	90+50	513618	527586	DFT-s QPSK	1@124	1@2	15.8	15.72	18.77	20.77	0.1194
41C	30	90+50	513618	527586	DFT-s 16 QAM	1@124	1@2	13.84	13.73	16.80	18.80	0.0758
41C	30	90+50	519030	532998	DFT-s QPSK	1@124	1@2	15.33	15.4	18.38	20.38	0.1090
41C	30	90+50	519030	532998	DFT-s 16 QAM	1@124	1@2	13.34	13.48	16.42	18.42	0.0695
41C	30	50+90	504204	518172	DFT-s QPSK	1@123	1@113	15.24	15.21	18.24	20.24	0.1056
41C	30	50+90	504204	518172	DFT-s 16 QAM	1@123	1@113	13.43	13.22	16.34	18.34	0.0682



41C	30	50+90	509616	523584	DFT-s QPSK	1@123	1@113	15.37	15.14	18.27	20.27	0.1063
41C	30	50+90	509616	523584	DFT-s 16 QAM	1@123	1@113	13.37	13.32	16.36	18.36	0.0685
41C	30	50+90	515028	528996	DFT-s QPSK	1@123	1@113	15.38	15.35	18.38	20.38	0.1090
41C	30	50+90	515028	528996	DFT-s 16 QAM	1@123	1@113	13.48	13.36	16.43	18.43	0.0697
41C	30	80+60	507204	521184	DFT-s QPSK	1@124	1@30	15.58	15.39	18.50	20.50	0.1121
41C	30	80+60	507204	521184	DFT-s 16 QAM	1@124	1@30	13.61	13.58	16.61	18.61	0.0725
41C	30	80+60	512598	526578	DFT-s QPSK	1@124	1@30	15.62	15.63	18.64	20.64	0.1158
41C	30	80+60	512598	526578	DFT-s 16 QAM	1@124	1@30	13.68	13.78	16.74	18.74	0.0748
41C	30	80+60	518016	531996	DFT-s QPSK	1@124	1@30	15.55	15.42	18.50	20.50	0.1121
41C	30	80+60	518016	531996	DFT-s 16 QAM	1@124	1@30	13.67	13.48	16.59	18.59	0.0722
41C	30	60+80	505200	519180	DFT-s QPSK	1@124	1@86	14.93	15.02	17.99	19.99	0.0997
41C	30	60+80	505200	519180	DFT-s 16 QAM	1@124	1@86	13.12	13.02	16.08	18.08	0.0643
41C	30	60+80	510600	524580	DFT-s QPSK	1@124	1@86	15.21	15.29	18.26	20.26	0.1062
41C	30	60+80	510600	524580	DFT-s 16 QAM	1@124	1@86	13.36	13.35	16.37	18.37	0.0686
41C	30	60+80	516018	529998	DFT-s QPSK	1@124	1@86	15.19	15.06	18.14	20.14	0.1032
41C	30	60+80	516018	529998	DFT-s 16 QAM	1@124	1@86	13.2	13.22	16.22	18.22	0.0664
41C	30	90+40	508200	521160	DFT-s QPSK	1@145	1@0	15.6	15.56	18.59	20.59	0.1146
41C	30	90+40	508200	521160	DFT-s 16 QAM	1@145	1@0	13.66	13.71	16.70	18.70	0.0741
41C	30	90+40	514620	527580	DFT-s QPSK	1@145	1@0	15.59	15.7	18.66	20.66	0.1163
41C	30	90+40	514620	527580	DFT-s 16 QAM	1@145	1@0	13.71	13.71	16.72	18.72	0.0745
41C	30	90+40	521040	534000	DFT-s QPSK	1@145	1@0	15.58	15.39	18.50	20.50	0.1121
41C	30	90+40	521040	534000	DFT-s 16 QAM	1@145	1@0	13.61	13.54	16.59	18.59	0.0722
41C	30	40+90	503202	516162	DFT-s QPSK	1@105	1@104	15.13	15.23	18.19	20.19	0.1045
41C	30	40+90	503202	516162	DFT-s 16 QAM	1@105	1@104	13.2	13.33	16.28	18.28	0.0672
41C	30	40+90	509622	522582	DFT-s QPSK	1@105	1@104	15.5	15.28	18.40	20.40	0.1097
41C	30	40+90	509622	522582	DFT-s 16 QAM	1@105	1@104	13.65	13.44	16.56	18.56	0.0717
41C	30	40+90	516036	528996	DFT-s QPSK	1@105	1@104	15.33	15.42	18.39	20.39	0.1093
41C	30	40+90	516036	528996	DFT-s 16 QAM	1@105	1@104	13.52	13.47	16.51	18.51	0.0709
41C	30	80+50	507204	520176	DFT-s QPSK	1@115	1@12	15.41	15.42	18.43	20.43	0.1103
41C	30	80+50	507204	520176	DFT-s 16 QAM	1@115	1@12	13.52	13.5	16.52	18.52	0.0711
41C	30	80+50	513600	526572	DFT-s QPSK	1@115	1@12	15.6	15.55	18.59	20.59	0.1144
41C	30	80+50	513600	526572	DFT-s 16 QAM	1@115	1@12	13.67	13.68	16.69	18.69	0.0739
41C	30	80+50	520026	532998	DFT-s QPSK	1@115	1@12	15.63	15.57	18.61	20.61	0.1151
41C	30	80+50	520026	532998	DFT-s 16 QAM	1@115	1@12	13.74	13.63	16.70	18.70	0.0741
41C	30	50+80	504204	517176	DFT-s QPSK	1@114	1@94	15.41	15.25	18.34	20.34	0.1082
41C	30	50+80	504204	517176	DFT-s 16 QAM	1@114	1@94	13.46	13.31	16.40	18.40	0.0691
41C	30	50+80	510600	523572	DFT-s QPSK	1@114	1@94	15.55	15.21	18.39	20.39	0.1095



41C	30	50+80	510600	523572	DFT-s 16 QAM	1@114	1@94	13.55	13.37	16.47	18.47	0.0703
41C	30	50+80	517026	529998	DFT-s QPSK	1@114	1@94	15.37	15.21	18.30	20.30	0.1072
41C	30	50+80	517026	529998	DFT-s 16 QAM	1@114	1@94	13.54	13.36	16.46	18.46	0.0702
41C	30	80+30	507204	518196	DFT-s QPSK	1@144	1@0	17.01	17.11	20.07	22.07	0.1611
41C	30	80+30	507204	518196	DFT-s 16 QAM	1@144	1@0	15.02	15.3	18.17	20.17	0.1041
41C	30	80+30	515604	526596	DFT-s QPSK	1@144	1@0	17.2	16.89	20.06	22.06	0.1606
41C	30	80+30	515604	526596	DFT-s 16 QAM	1@144	1@0	15.3	15.04	18.18	20.18	0.1043
41C	30	80+30	524004	534996	DFT-s QPSK	1@144	1@0	16.92	17.03	19.99	21.99	0.1580
41C	30	80+30	524004	534996	DFT-s 16 QAM	1@144	1@0	14.92	15.22	18.08	20.08	0.1019
41C	30	30+80	502200	513192	DFT-s QPSK	1@77	1@75	16.42	16.75	19.60	21.60	0.1445
41C	30	30+80	502200	513192	DFT-s 16 QAM	1@77	1@75	14.5	14.84	17.68	19.68	0.0930
41C	30	30+80	510606	521598	DFT-s QPSK	1@77	1@75	16.58	16.89	19.75	21.75	0.1496
41C	30	30+80	510606	521598	DFT-s 16 QAM	1@77	1@75	14.74	14.92	17.84	19.84	0.0964
41C	30	30+80	519006	529998	DFT-s QPSK	1@77	1@75	16.9	16.81	19.87	21.87	0.1537
41C	30	30+80	519006	529998	DFT-s 16 QAM	1@77	1@75	14.93	14.92	17.94	19.94	0.0985
41C	30	100+20	509202	521190	DFT-s QPSK	1@229	1@0	17.08	17.07	20.09	22.09	0.1616
41C	30	100+20	509202	521190	DFT-s 16 QAM	1@229	1@0	15.12	15.11	18.13	20.13	0.1029
41C	30	100+20	516606	528594	DFT-s QPSK	1@229	1@0	16.97	16.92	19.96	21.96	0.1569
41C	30	100+20	516606	528594	DFT-s 16 QAM	1@229	1@0	15.08	14.98	18.04	20.04	0.1009
41C	30	100+20	524010	535998	DFT-s QPSK	1@229	1@0	17.12	17.08	20.11	22.11	0.1626
41C	30	100+20	524010	535998	DFT-s 16 QAM	1@229	1@0	15.31	15.12	18.23	20.23	0.1053
41C	30	20+100	501204	513192	DFT-s QPSK	1@50	1@48	14.93	14.83	17.89	19.89	0.0975
41C	30	20+100	501204	513192	DFT-s 16 QAM	1@50	1@48	13.02	12.95	16.00	18.00	0.0630
41C	30	20+100	508608	520596	DFT-s QPSK	1@50	1@48	15.18	15.1	18.15	20.15	0.1035
41C	30	20+100	508608	520596	DFT-s 16 QAM	1@50	1@48	13.18	13.18	16.19	18.19	0.0659
41C	30	20+100	516012	528000	DFT-s QPSK	1@50	1@48	15.46	15.35	18.42	20.42	0.1100
41C	30	20+100	516012	528000	DFT-s 16 QAM	1@50	1@48	13.53	13.41	16.48	18.48	0.0705
41C	30	80+40	507204	519168	DFT-s QPSK	1@117	1@0	15.37	15.2	18.30	20.30	0.1071
41C	30	80+40	507204	519168	DFT-s 16 QAM	1@117	1@0	13.56	13.34	16.46	18.46	0.0702
41C	30	80+40	514602	526566	DFT-s QPSK	1@117	1@0	15.61	15.61	18.62	20.62	0.1154
41C	30	80+40	514602	526566	DFT-s 16 QAM	1@117	1@0	13.73	13.75	16.75	18.75	0.0750
41C	30	80+40	522036	534000	DFT-s QPSK	1@117	1@0	15.5	15.35	18.44	20.44	0.1106
41C	30	80+40	522036	534000	DFT-s 16 QAM	1@117	1@0	13.69	13.45	16.58	18.58	0.0721
41C	30	40+80	503202	515166	DFT-s QPSK	1@105	1@104	15.14	15.02	18.09	20.09	0.1021
41C	30	40+80	503202	515166	DFT-s 16 QAM	1@105	1@104	13.27	13.06	16.18	18.18	0.0657
41C	30	40+80	510600	522564	DFT-s QPSK	1@105	1@104	15.5	15.41	18.47	20.47	0.1113
41C	30	40+80	510600	522564	DFT-s 16 QAM	1@105	1@104	13.51	13.51	16.52	18.52	0.0711



41C	30	40+80	518034	529998	DFT-s QPSK	1@105	1@104	15.36	15.14	18.26	20.26	0.1062
41C	30	40+80	518034	529998	DFT-s 16 QAM	1@105	1@104	13.51	13.15	16.34	18.34	0.0683
41C	30	60+60	505200	517200	DFT-s QPSK	1@105	1@47	15.39	15.4	18.41	20.41	0.1098
41C	30	60+60	505200	517200	DFT-s 16 QAM	1@105	1@47	13.57	13.55	16.57	18.57	0.0720
41C	30	60+60	512598	524598	DFT-s QPSK	1@105	1@47	15.42	15.55	18.50	20.50	0.1121
41C	30	60+60	512598	524598	DFT-s 16 QAM	1@105	1@47	13.59	13.73	16.67	18.67	0.0736
41C	30	60+60	519996	531996	DFT-s QPSK	1@105	1@47	15.53	15.52	18.54	20.54	0.1131
41C	30	60+60	519996	531996	DFT-s 16 QAM	1@105	1@47	13.55	13.69	16.63	18.63	0.0730
41C	30	100+15	509202	520626	DFT-s QPSK	1@240	1@0	16.03	16.39	19.22	21.22	0.1326
41C	30	100+15	509202	520626	DFT-s 16 QAM	1@240	1@0	14.11	14.59	17.37	19.37	0.0864
41C	30	100+15	517140	528564	DFT-s QPSK	1@240	1@0	16.11	16.31	19.22	21.22	0.1325
41C	30	100+15	517140	528564	DFT-s 16 QAM	1@240	1@0	14.16	14.33	17.26	19.26	0.0843
41C	30	100+15	525072	536496	DFT-s QPSK	1@240	1@0	16.21	16.44	19.34	21.34	0.1360
41C	30	100+15	525072	536496	DFT-s 16 QAM	1@240	1@0	14.33	14.52	17.44	19.44	0.0878
41C	30	15+100	500700	512124	DFT-s QPSK	1@37	1@36	14.81	14.92	17.88	19.88	0.0972
41C	30	15+100	500700	512124	DFT-s 16 QAM	1@37	1@36	12.99	13.02	16.02	18.02	0.0633
41C	30	15+100	508638	520062	DFT-s QPSK	1@37	1@36	15.09	14.78	17.95	19.95	0.0988
41C	30	15+100	508638	520062	DFT-s 16 QAM	1@37	1@36	13.17	12.88	16.04	18.04	0.0636
41C	30	15+100	516576	528000	DFT-s QPSK	1@37	1@36	15.1	15.19	18.16	20.16	0.1036
41C	30	15+100	516576	528000	DFT-s 16 QAM	1@37	1@36	13.18	13.37	16.29	18.29	0.0674
41C	30	100+10	509202	520122	DFT-s QPSK	1@254	1@0	16.92	16.88	19.91	21.91	0.1553
41C	30	100+10	509202	520122	DFT-s 16 QAM	1@254	1@0	14.96	14.95	17.97	19.97	0.0992
41C	30	100+10	517644	528564	DFT-s QPSK	1@254	1@0	16.99	16.89	19.95	21.95	0.1567
41C	30	100+10	517644	528564	DFT-s 16 QAM	1@254	1@0	15.04	15.01	18.04	20.04	0.1008
41C	30	100+10	526080	537000	DFT-s QPSK	1@254	1@0	17.01	16.98	20.01	22.01	0.1587
41C	30	100+10	526080	537000	DFT-s 16 QAM	1@254	1@0	15.21	15.1	18.17	20.17	0.1039
41C	30	10+100	500202	511122	DFT-s QPSK	1@23	1@22	13.06	13.15	16.12	18.12	0.0648
41C	30	10+100	500202	511122	DFT-s 16 QAM	1@23	1@22	11.08	11.34	14.22	16.22	0.0419
41C	30	10+100	508644	519564	DFT-s QPSK	1@23	1@22	13.47	13.22	16.36	18.36	0.0685
41C	30	10+100	508644	519564	DFT-s 16 QAM	1@23	1@22	11.62	11.37	14.51	16.51	0.0447
41C	30	10+100	517080	528000	DFT-s QPSK	1@23	1@22	13.4	13.18	16.30	18.30	0.0676
41C	30	10+100	517080	528000	DFT-s 16 QAM	1@23	1@22	11.6	11.34	14.48	16.48	0.0445
41C	30	90+20	508200	519180	DFT-s QPSK	1@202	1@0	17.03	16.9	19.98	21.98	0.1576
41C	30	90+20	508200	519180	DFT-s 16 QAM	1@202	1@0	15.12	15.1	18.12	20.12	0.1028
41C	30	90+20	516612	527592	DFT-s QPSK	1@202	1@0	16.94	17.03	20.00	22.00	0.1583
41C	30	90+20	516612	527592	DFT-s 16 QAM	1@202	1@0	15.14	15.11	18.14	20.14	0.1032
41C	30	90+20	525018	535998	DFT-s QPSK	1@202	1@0	17.15	17.01	20.09	22.09	0.1618



41C	30	90+20	525018	535998	DFT-s 16 QAM	1@202	1@0	15.3	15.11	18.22	20.22	0.1051
41C	30	20+90	501204	512184	DFT-s QPSK	1@50	1@48	15.01	14.9	17.97	19.97	0.0992
41C	30	20+90	501204	512184	DFT-s 16 QAM	1@50	1@48	13.11	12.95	16.04	18.04	0.0637
41C	30	20+90	509610	520590	DFT-s QPSK	1@50	1@48	15.19	14.97	18.09	20.09	0.1021
41C	30	20+90	509610	520590	DFT-s 16 QAM	1@50	1@48	13.39	13.1	16.26	18.26	0.0670
41C	30	20+90	518016	528996	DFT-s QPSK	1@50	1@48	15.31	15.35	18.34	20.34	0.1082
41C	30	20+90	518016	528996	DFT-s 16 QAM	1@50	1@48	13.43	13.45	16.45	18.45	0.0700
41C	30	90+30	508200	520164	DFT-s QPSK	1@173	1@0	17.02	17.04	20.04	22.04	0.1600
41C	30	90+30	508200	520164	DFT-s 16 QAM	1@173	1@0	15.11	15.24	18.19	20.19	0.1044
41C	30	90+30	515616	527580	DFT-s QPSK	1@173	1@0	16.99	17.03	20.02	22.02	0.1592
41C	30	90+30	515616	527580	DFT-s 16 QAM	1@173	1@0	15	15.04	18.03	20.03	0.1007
41C	30	90+30	523032	534996	DFT-s QPSK	1@173	1@0	16.89	17.02	19.97	21.97	0.1572
41C	30	90+30	523032	534996	DFT-s 16 QAM	1@173	1@0	15.09	15.14	18.13	20.13	0.1029
41C	30	30+90	502200	514164	DFT-s QPSK	1@77	1@75	16.07	16.66	19.39	21.39	0.1376
41C	30	30+90	502200	514164	DFT-s 16 QAM	1@77	1@75	14.07	14.72	17.42	19.42	0.0874
41C	30	30+90	509616	521580	DFT-s QPSK	1@77	1@75	16.04	16.49	19.28	21.28	0.1343
41C	30	30+90	509616	521580	DFT-s 16 QAM	1@77	1@75	14.09	14.55	17.34	19.34	0.0858
41C	30	30+90	517032	528996	DFT-s QPSK	1@77	1@75	16.42	16.26	19.35	21.35	0.1365
41C	30	30+90	517032	528996	DFT-s 16 QAM	1@77	1@75	14.53	14.37	17.46	19.46	0.0883
41C	30	60+50	505200	516192	DFT-s QPSK	1@96	1@31	15.27	15.24	18.27	20.27	0.1063
41C	30	60+50	505200	516192	DFT-s 16 QAM	1@96	1@31	13.27	13.3	16.30	18.30	0.0675
41C	30	60+50	513600	524592	DFT-s QPSK	1@96	1@31	15.63	15.44	18.55	20.55	0.1134
41C	30	60+50	513600	524592	DFT-s 16 QAM	1@96	1@31	13.65	13.46	16.57	18.57	0.0719
41C	30	60+50	522006	532998	DFT-s QPSK	1@96	1@31	15.46	15.34	18.41	20.41	0.1099
41C	30	60+50	522006	532998	DFT-s 16 QAM	1@96	1@31	13.56	13.43	16.51	18.51	0.0709
41C	30	50+60	504204	515196	DFT-s QPSK	1@96	1@58	15.41	15.36	18.40	20.40	0.1095
41C	30	50+60	504204	515196	DFT-s 16 QAM	1@96	1@58	13.42	13.51	16.48	18.48	0.0704
41C	30	50+60	512598	523590	DFT-s QPSK	1@96	1@58	15.65	15.6	18.64	20.64	0.1158
41C	30	50+60	512598	523590	DFT-s 16 QAM	1@96	1@58	13.76	13.71	16.75	18.75	0.0749
41C	30	50+60	521004	531996	DFT-s QPSK	1@96	1@58	15.32	15.4	18.37	20.37	0.1089
41C	30	50+60	521004	531996	DFT-s 16 QAM	1@96	1@58	13.41	13.54	16.49	18.49	0.0706
41C	30	90+15	508200	518616	DFT-s QPSK	1@243	1@36	17.06	17.14	20.11	22.11	0.1626
41C	30	90+15	508200	518616	DFT-s 16 QAM	1@243	1@36	15.22	15.18	18.21	20.21	0.1050
41C	30	90+15	517140	527556	DFT-s QPSK	1@243	1@36	17.05	16.76	19.92	21.92	0.1555
41C	30	90+15	517140	527556	DFT-s 16 QAM	1@243	1@36	15.24	14.94	18.10	20.10	0.1024
41C	30	90+15	526080	536496	DFT-s QPSK	1@243	1@36	17.16	16.88	20.03	22.03	0.1597
41C	30	90+15	526080	536496	DFT-s 16 QAM	1@243	1@36	15.26	14.89	18.09	20.09	0.1021



41C	30	15+90	500700	511116	DFT-s QPSK	1@37	1@36	14.93	14.99	17.97	19.97	0.0993
41C	30	15+90	500700	511116	DFT-s 16 QAM	1@37	1@36	12.96	13.11	16.05	18.05	0.0638
41C	30	15+90	509640	520056	DFT-s QPSK	1@37	1@36	14.99	14.85	17.93	19.93	0.0984
41C	30	15+90	509640	520056	DFT-s 16 QAM	1@37	1@36	13.1	12.94	16.03	18.03	0.0635
41C	30	15+90	518580	528996	DFT-s QPSK	1@37	1@36	15.22	15.02	18.13	20.13	0.1031
41C	30	15+90	518580	528996	DFT-s 16 QAM	1@37	1@36	13.26	13.08	16.18	18.18	0.0658



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Transmitter Conducted Output Power And ERP, (GT - LC)=1.0dbi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	ERP(dBm)	ERP(W)
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@1	23.42	22.27	0.1687
71	15	5	133100	665.5	DFT-s-OFDM 16 QAM	1@1	22.36	21.21	0.1321
71	15	5	136100	680.5	DFT-s-OFDM QPSK	1@1	23.6	22.45	0.1758
71	15	5	136100	680.5	DFT-s-OFDM 16 QAM	1@1	22.49	21.34	0.1361
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@1	23.53	22.38	0.1730
71	15	5	139100	695.5	DFT-s-OFDM 16 QAM	1@1	22.53	21.38	0.1374
71	15	10	133600	668	DFT-s-OFDM QPSK	1@1	23.39	22.24	0.1675
71	15	10	133600	668	DFT-s-OFDM 16 QAM	1@1	22.39	21.24	0.1330
71	15	10	136100	680.5	DFT-s-OFDM QPSK	1@1	23.56	22.41	0.1742
71	15	10	136100	680.5	DFT-s-OFDM 16 QAM	1@1	22.46	21.31	0.1352
71	15	10	138600	693	DFT-s-OFDM QPSK	1@1	23.52	22.37	0.1726
71	15	10	138600	693	DFT-s-OFDM 16 QAM	1@1	22.53	21.38	0.1374
71	15	15	134100	670.5	DFT-s-OFDM QPSK	1@1	23.41	22.26	0.1683
71	15	15	134100	670.5	DFT-s-OFDM 16 QAM	1@1	22.45	21.3	0.1349
71	15	15	136100	680.5	DFT-s-OFDM QPSK	1@1	23.46	22.31	0.1702
71	15	15	136100	680.5	DFT-s-OFDM 16 QAM	1@1	22.37	21.22	0.1324
71	15	15	138100	690.5	DFT-s-OFDM QPSK	1@1	23.46	22.31	0.1702
71	15	15	138100	690.5	DFT-s-OFDM 16 QAM	1@1	22.47	21.32	0.1355
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	50@25	23.38	22.23	0.1671
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	1@1	23.36	22.21	0.1663
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	1@104	23.47	22.32	0.1706
71	15	20	134600	673	DFT-s-OFDM QPSK	50@25	23.48	22.33	0.1710
71	15	20	134600	673	DFT-s-OFDM QPSK	1@1	23.45	22.3	0.1698
71	15	20	134600	673	DFT-s-OFDM QPSK	1@104	23.57	22.42	0.1746
71	15	20	134600	673	DFT-s-OFDM 16 QAM	50@25	22.42	21.27	0.1340
71	15	20	134600	673	DFT-s-OFDM 16 QAM	1@1	22.46	21.31	0.1352
71	15	20	134600	673	DFT-s-OFDM 16 QAM	1@104	22.52	21.37	0.1371
71	15	20	134600	673	DFT-s-OFDM 64 QAM	50@25	20.86	19.71	0.0935
71	15	20	134600	673	DFT-s-OFDM 64 QAM	1@1	20.84	19.69	0.0931
71	15	20	134600	673	DFT-s-OFDM 64 QAM	1@104	20.9	19.75	0.0944
71	15	20	134600	673	DFT-s-OFDM 256 QAM	50@25	18.9	17.75	0.0596
71	15	20	134600	673	DFT-s-OFDM 256 QAM	1@1	18.74	17.59	0.0574
71	15	20	134600	673	DFT-s-OFDM 256 QAM	1@104	18.8	17.65	0.0582
71	15	20	134600	673	CP-OFDM QPSK	53@26	21.89	20.74	0.1186
71	15	20	134600	673	CP-OFDM QPSK	1@1	21.78	20.63	0.1156
71	15	20	134600	673	CP-OFDM QPSK	1@104	21.89	20.74	0.1186
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	50@25	23.43	22.28	0.1690
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@1	23.32	22.17	0.1648
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@104	23.56	22.41	0.1742
71	15	20	136100	680.5	DFT-s-OFDM QPSK	50@25	23.44	22.29	0.1694
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@1	23.44	22.29	0.1694



71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@104	23.66	22.51	0.1782
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	50@25	22.48	21.33	0.1358
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	1@1	22.52	21.37	0.1371
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	1@104	22.57	21.42	0.1387
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	50@25	21.02	19.87	0.0971
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	1@1	20.82	19.67	0.0927
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	1@104	20.97	19.82	0.0959
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	50@25	18.89	17.74	0.0594
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	1@1	18.73	17.58	0.0573
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	1@104	18.84	17.69	0.0587
71	15	20	136100	680.5	CP-OFDM QPSK	53@26	21.99	20.84	0.1213
71	15	20	136100	680.5	CP-OFDM QPSK	1@1	21.89	20.74	0.1186
71	15	20	136100	680.5	CP-OFDM QPSK	1@104	21.99	20.84	0.1213
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	50@25	23.51	22.36	0.1722
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	1@1	23.47	22.32	0.1706
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	1@104	23.4	22.25	0.1679
71	15	20	137600	688	DFT-s-OFDM QPSK	50@25	23.47	22.32	0.1706
71	15	20	137600	688	DFT-s-OFDM QPSK	1@1	22.63	21.48	0.1406
71	15	20	137600	688	DFT-s-OFDM QPSK	1@104	23.54	22.39	0.1734
71	15	20	137600	688	DFT-s-OFDM 16 QAM	50@25	22.54	21.39	0.1377
71	15	20	137600	688	DFT-s-OFDM 16 QAM	1@1	22.47	21.32	0.1355
71	15	20	137600	688	DFT-s-OFDM 16 QAM	1@104	22.47	21.32	0.1355
71	15	20	137600	688	DFT-s-OFDM 64 QAM	50@25	20.97	19.82	0.0959
71	15	20	137600	688	DFT-s-OFDM 64 QAM	1@1	20.88	19.73	0.0940
71	15	20	137600	688	DFT-s-OFDM 64 QAM	1@104	20.91	19.76	0.0946
71	15	20	137600	688	DFT-s-OFDM 256 QAM	50@25	18.92	17.77	0.0598
71	15	20	137600	688	DFT-s-OFDM 256 QAM	1@1	18.77	17.62	0.0578
71	15	20	137600	688	DFT-s-OFDM 256 QAM	1@104	18.73	17.58	0.0573
71	15	20	137600	688	CP-OFDM QPSK	53@26	22.03	20.88	0.1225
71	15	20	137600	688	CP-OFDM QPSK	1@1	21.87	20.72	0.1180
71	15	20	137600	688	CP-OFDM QPSK	1@104	21.85	20.7	0.1175



5G NR n77_ANT 5(270)

Transmitter Conducted Output Power And EIRP, (GT - LC)=10dbi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	26.16	36.16	4.1305
77	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	25.02	35.02	3.1769
77	30	10	656000	3840	DFT-s-OFDM QPSK	1@1	26.12	36.12	4.0926
77	30	10	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.18	35.18	3.2961
77	30	10	665000	3975	DFT-s-OFDM QPSK	1@1	26.29	36.29	4.2560
77	30	10	665000	3975	DFT-s-OFDM 16 QAM	1@1	25.33	35.33	3.4119
77	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	26.07	36.07	4.0458
77	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	25.07	35.07	3.2137
77	30	15	656000	3840	DFT-s-OFDM QPSK	1@1	26.14	36.14	4.1115
77	30	15	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.15	35.15	3.2734
77	30	15	664832	3972.48	DFT-s-OFDM QPSK	1@1	26.23	36.23	4.1976
77	30	15	664832	3972.48	DFT-s-OFDM 16 QAM	1@1	25.14	35.14	3.2659
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	26.08	36.08	4.0551
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	25.07	35.07	3.2137
77	30	20	656000	3840	DFT-s-OFDM QPSK	1@1	26.13	36.13	4.1020
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.09	35.09	3.2285
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@1	26.18	36.18	4.1495
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	1@1	25.11	35.11	3.2434
77	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	26.11	36.11	4.0832
77	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	25.1	35.1	3.2359
77	30	25	656000	3840	DFT-s-OFDM QPSK	1@1	26.15	36.15	4.1210
77	30	25	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.11	35.11	3.2434
77	30	25	664500	3967.5	DFT-s-OFDM QPSK	1@1	26.28	36.28	4.2462
77	30	25	664500	3967.5	DFT-s-OFDM 16 QAM	1@1	25.25	35.25	3.3497
77	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	26.15	36.15	4.1210
77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	25.12	35.12	3.2509
77	30	30	656000	3840	DFT-s-OFDM QPSK	1@1	26.22	36.22	4.1879
77	30	30	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.14	35.14	3.2659
77	30	30	664332	3964.98	DFT-s-OFDM QPSK	1@1	26.17	36.17	4.1400
77	30	30	664332	3964.98	DFT-s-OFDM 16 QAM	1@1	25.1	35.1	3.2359
77	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	26.12	36.12	4.0926
77	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	25.1	35.1	3.2359
77	30	40	656000	3840	DFT-s-OFDM QPSK	1@1	26.26	36.26	4.2267
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.19	35.19	3.3037
77	30	40	664000	3960	DFT-s-OFDM QPSK	1@1	26.22	36.22	4.1879
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	1@1	25.2	35.2	3.3113
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	26.16	36.16	4.1305
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	25.21	35.21	3.3189
77	30	50	656000	3840	DFT-s-OFDM QPSK	1@1	26.2	36.2	4.1687
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.21	35.21	3.3189
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@1	26.06	36.06	4.0365



77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@1	25.05	35.05	3.1989
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	26.12	36.12	4.0926
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	25.09	35.09	3.2285
77	30	60	656000	3840	DFT-s-OFDM QPSK	1@1	26.36	36.36	4.3251
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.21	35.21	3.3189
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@1	26.08	36.08	4.0551
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@1	24.98	34.98	3.1477
77	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	26.18	36.18	4.1495
77	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	25.19	35.19	3.3037
77	30	70	656000	3840	DFT-s-OFDM QPSK	1@1	26.24	36.24	4.2073
77	30	70	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.23	35.23	3.3343
77	30	70	663000	3945	DFT-s-OFDM QPSK	1@1	26.15	36.15	4.1210
77	30	70	663000	3945	DFT-s-OFDM 16 QAM	1@1	25.06	35.06	3.2063
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	26.19	36.19	4.1591
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	25.15	35.15	3.2734
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@1	26.35	36.35	4.3152
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.21	35.21	3.3189
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@1	26.2	36.2	4.1687
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@1	25.11	35.11	3.2434
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	26.14	36.14	4.1115
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	25.13	35.13	3.2584
77	30	90	656000	3840	DFT-s-OFDM QPSK	1@1	26.26	36.26	4.2267
77	30	90	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.23	35.23	3.3343
77	30	90	662332	3934.98	DFT-s-OFDM QPSK	1@1	26.05	36.05	4.0272
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	1@1	24.95	34.95	3.1261
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	26.29	36.29	4.2560
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.24	36.24	4.2073
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	26.27	36.27	4.2364
77	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	26.34	36.34	4.3053
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	26.3	36.3	4.2658
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	26.24	36.24	4.2073
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	25.36	35.36	3.4356
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.2	35.2	3.3113
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	25.21	35.21	3.3189
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	23.31	33.31	2.1429
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.11	33.11	2.0464
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	23.27	33.27	2.1232
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	20.88	30.88	1.2246
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.77	30.77	1.1940
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	20.92	30.92	1.2359
77	30	100	650000	3750	CP-OFDM QPSK	137@68	24.82	34.82	3.0339
77	30	100	650000	3750	CP-OFDM QPSK	1@1	24.73	34.73	2.9717
77	30	100	650000	3750	CP-OFDM QPSK	1@271	24.76	34.76	2.9923
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	135@67	26.31	36.31	4.2756
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	26.35	36.35	4.3152
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@271	26.09	36.09	4.0644



77	30	100	656000	3840	DFT-s-OFDM QPSK	135@67	26.32	36.32	4.2855
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@1	26.31	36.31	4.2756
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@271	26.09	36.09	4.0644
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	135@67	25.39	35.39	3.4594
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.26	35.26	3.3574
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@271	25.02	35.02	3.1769
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	135@67	23.41	33.41	2.1928
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@1	23.26	33.26	2.1184
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@271	23.1	33.1	2.0417
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	135@67	20.83	30.83	1.2106
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@1	20.93	30.93	1.2388
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@271	20.72	30.72	1.1803
77	30	100	656000	3840	CP-OFDM QPSK	137@68	24.79	34.79	3.0130
77	30	100	656000	3840	CP-OFDM QPSK	1@1	24.81	34.81	3.0269
77	30	100	656000	3840	CP-OFDM QPSK	1@271	24.6	34.6	2.8840
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	135@67	26.2	36.2	4.1687
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@1	26.16	36.16	4.1305
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@271	26.44	36.44	4.4055
77	30	100	662000	3930	DFT-s-OFDM QPSK	135@67	26.23	36.23	4.1976
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@1	26.2	36.2	4.1687
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@271	26.38	36.38	4.3451
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	135@67	25.27	35.27	3.3651
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@1	25.06	35.06	3.2063
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@271	25.38	35.38	3.4514
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	135@67	23.29	33.29	2.1330
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@1	23.07	33.07	2.0277
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@271	23.33	33.33	2.1528
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	135@67	20.72	30.72	1.1803
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@1	20.84	30.84	1.2134
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@271	21.1	31.1	1.2882
77	30	100	662000	3930	CP-OFDM QPSK	137@68	24.71	34.71	2.9580
77	30	100	662000	3930	CP-OFDM QPSK	1@1	24.57	34.57	2.8642
77	30	100	662000	3930	CP-OFDM QPSK	1@271	24.85	34.85	3.0549



5G NR n77 UL (MIMO ANT5+4) (270)

Transmitter Conducted Output Power And EIRP, (GT - LC)=9.3dbi

Table with 12 columns: NR Band, SCS (kHz), Bandwidth (MHz), Arfcn, Freq (MHz), Modulation, RB, ANT5 Power(dBm), ANT4 Power(dBm), Conducted Power(dBm), EIRP (dBm), EIRP (W). It contains 48 rows of test data.



77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	24.49	25.09	27.81	37.11	5.1404
77	30	60	656000	3840	DFT-s-OFDM QPSK	1@1	25.71	25.89	28.81	38.11	6.4714
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.72	24.81	27.78	37.08	5.1050
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@1	25.71	26.29	29.02	38.32	6.7920
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@1	24.71	25.24	27.99	37.29	5.3580
77	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	25.58	26.2	28.91	38.21	6.6222
77	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	24.63	25.25	27.96	37.26	5.3211
77	30	70	656000	3840	DFT-s-OFDM QPSK	1@1	25.73	26	28.88	38.18	6.5766
77	30	70	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.64	25	27.83	37.13	5.1642
77	30	70	663000	3945	DFT-s-OFDM QPSK	1@1	25.81	26.37	29.11	38.41	6.9343
77	30	70	663000	3945	DFT-s-OFDM 16 QAM	1@1	24.75	25.22	28.00	37.3	5.3703
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	25.59	26.17	28.90	38.2	6.6069
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	24.51	25.26	27.91	37.21	5.2602
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@1	25.73	26.05	28.90	38.2	6.6069
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.72	25.01	27.88	37.18	5.2240
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@1	25.75	26.29	29.04	38.34	6.8234
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@1	24.79	25.18	28.00	37.3	5.3703
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	25.65	26.31	29.00	38.3	6.7608
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	24.55	25.23	27.91	37.21	5.2602
77	30	90	656000	3840	DFT-s-OFDM QPSK	1@1	25.61	26.05	28.85	38.15	6.5313
77	30	90	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.68	25.06	27.88	37.18	5.2240
77	30	90	662332	3934.98	DFT-s-OFDM QPSK	1@1	25.88	26.06	28.98	38.28	6.7298
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	1@1	24.79	25.05	27.93	37.23	5.2845
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	25.68	26.44	29.09	38.39	6.9024
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.48	26.22	28.88	38.18	6.5766
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	25.58	26.15	28.88	38.18	6.5766
77	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	25.69	26.47	29.11	38.41	6.9343
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	25.48	26.18	28.85	38.15	6.5313
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	25.51	26.04	28.79	38.09	6.4417
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	24.63	25.45	28.07	37.37	5.4576
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.66	25.41	28.06	37.36	5.4450
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	24.67	25.24	27.97	37.27	5.3333
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	22.73	23.55	26.17	35.47	3.5237
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	22.65	23.44	26.07	35.37	3.4435
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	22.72	23.31	26.04	35.34	3.4198
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	20.36	21.04	23.72	33.02	2.0045
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.28	21.02	23.68	32.98	1.9861
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	20.38	21.01	23.72	33.02	2.0045
77	30	100	650000	3750	CP-OFDM QPSK	137@68	24.09	24.71	27.42	36.72	4.6989
77	30	100	650000	3750	CP-OFDM QPSK	1@1	24.06	24.69	27.40	36.7	4.6774
77	30	100	650000	3750	CP-OFDM QPSK	1@271	24	24.55	27.29	36.59	4.5604
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	135@67	25.81	26.02	28.93	38.23	6.6527
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.64	26.06	28.87	38.17	6.5615
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@271	25.53	26.05	28.81	38.11	6.4714
77	30	100	656000	3840	DFT-s-OFDM QPSK	135@67	25.85	26.02	28.95	38.25	6.6834
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@1	25.63	26.1	28.88	38.18	6.5766
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@271	25.52	25.89	28.72	38.02	6.3387



77	30	100	656000	3840	DFT-s-OFDM 16 QAM	135@67	24.86	24.97	27.93	37.23	5.2845
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.79	25.25	28.04	37.34	5.4200
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@271	24.69	25.08	27.90	37.2	5.2481
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	135@67	22.9	23.09	26.01	35.31	3.3963
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@1	22.81	23.31	26.08	35.38	3.4514
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@271	22.7	23.1	25.91	35.21	3.3189
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	135@67	20.59	21.02	23.82	33.12	2.0512
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@1	20.42	20.91	23.68	32.98	1.9861
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@271	20.35	20.77	23.58	32.88	1.9409
77	30	100	656000	3840	CP-OFDM QPSK	137@68	24.1	24.66	27.40	36.7	4.6774
77	30	100	656000	3840	CP-OFDM QPSK	1@1	24.2	24.68	27.46	36.76	4.7424
77	30	100	656000	3840	CP-OFDM QPSK	1@271	24.07	24.45	27.27	36.57	4.5394
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	135@67	25.72	26.4	29.08	38.38	6.8865
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@1	25.87	26.38	29.14	38.44	6.9823
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@271	25.76	26.35	29.08	38.38	6.8865
77	30	100	662000	3930	DFT-s-OFDM QPSK	135@67	25.83	26.4	29.13	38.43	6.9663
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@1	25.84	26.14	29.00	38.3	6.7608
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@271	25.73	26.33	29.05	38.35	6.8391
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	135@67	24.82	25.39	28.12	37.42	5.5208
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@1	24.91	25.17	28.05	37.35	5.4325
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@271	24.74	25.35	28.07	37.37	5.4576
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	135@67	22.77	23.45	26.13	35.43	3.4914
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@1	23.11	23.41	26.27	35.57	3.6058
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@271	23.02	23.52	26.29	35.59	3.6224
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	135@67	20.77	20.89	23.84	33.14	2.0606
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@1	20.71	20.96	23.85	33.15	2.0654
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@271	20.56	21.1	23.85	33.15	2.0654
77	30	100	662000	3930	CP-OFDM QPSK	137@68	24.38	24.89	27.65	36.95	4.9545
77	30	100	662000	3930	CP-OFDM QPSK	1@1	24.46	24.72	27.60	36.9	4.8978
77	30	100	662000	3930	CP-OFDM QPSK	1@271	24.25	24.75	27.52	36.82	4.8084



5G NR n77C_ANT 5 (270)

Transmitter Conducted Output Power And ERP, (GT - LC)=10.0dbi

Note: This device supports three Power setting cases for ULCA mode as following shows:

- (1) PCC Power all up, means Power setting, PCC(max.) +SCC (min.)
- (2) SCC Power all up, means Power setting, PCC(min.) +SCC (max.)
- (3) Average Power , means Power setting, PCC(avg.) +SCC (avg.)



<PCC Power all up>

NR	SCS	Bandwidth	PCC Arfcn	SCC Arfcn	Modulation	PCC RB	SCC RB	PCC Power(dBm)	SCC Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
Band	(kHz)	(MHz)										
77C	30	100+100	650000	656664	DFT-s BPSK	135@138	135@0	20.28	-17.1	20.28	30.28	1.0668
77C	30	100+100	650000	656664	DFT-s BPSK	1@181	1@87	18.69	-19.96	18.69	28.69	0.7397
77C	30	100+100	650000	656664	DFT-s QPSK	135@138	135@0	20.29	-17.39	20.29	30.29	1.0692
77C	30	100+100	650000	656664	DFT-s QPSK	1@181	1@87	18.78	-19.93	18.78	28.78	0.7552
77C	30	100+100	650000	656664	DFT-s 16 QAM	135@138	135@0	20.3	-17.32	20.30	30.30	1.0717
77C	30	100+100	650000	656664	DFT-s 16 QAM	1@181	1@87	16.64	-21.74	16.64	26.64	0.4614
77C	30	100+100	650000	656664	DFT-s 64 QAM	135@138	135@0	17.86	-19.37	17.86	27.86	0.6111
77C	30	100+100	650000	656664	DFT-s 64 QAM	1@181	1@87	16.8	-21.56	16.80	26.80	0.4787
77C	30	100+100	650000	656664	DFT-s 256 QAM	135@138	135@0	15.92	-22.36	15.92	25.92	0.3909
77C	30	100+100	650000	656664	DFT-s 256 QAM	1@181	1@87	16.06	-22.23	16.06	26.06	0.4037
77C	30	100+100	650000	656664	CP-OFDM QPSK	137@136	135@0	19.3	-18.62	19.30	29.30	0.8513
77C	30	100+100	650000	656664	CP-OFDM QPSK	1@181	1@87	17.69	-21.73	17.69	27.69	0.5876
77C	30	100+100	652668	659332	DFT-s BPSK	135@138	135@0	20.38	-18.21	20.38	30.38	1.0916
77C	30	100+100	652668	659332	DFT-s BPSK	1@181	1@87	18.8	-19.86	18.80	28.80	0.7587
77C	30	100+100	652668	659332	DFT-s QPSK	135@138	135@0	20.41	-18.2	20.41	30.41	1.0992
77C	30	100+100	652668	659332	DFT-s QPSK	1@181	1@87	18.81	-20.24	18.81	28.81	0.7604
77C	30	100+100	652668	659332	DFT-s 16 QAM	135@138	135@0	20.42	-17.89	20.42	30.42	1.1017
77C	30	100+100	652668	659332	DFT-s 16 QAM	1@181	1@87	16.82	-22.11	16.82	26.82	0.4809
77C	30	100+100	652668	659332	DFT-s 64 QAM	135@138	135@0	17.89	-20.62	17.89	27.89	0.6153
77C	30	100+100	652668	659332	DFT-s 64 QAM	1@181	1@87	16.92	-21.99	16.92	26.92	0.4921
77C	30	100+100	652668	659332	DFT-s 256 QAM	135@138	135@0	15.97	-22.46	15.97	25.97	0.3954
77C	30	100+100	652668	659332	DFT-s 256 QAM	1@181	1@87	16.25	-22.61	16.25	26.25	0.4218
77C	30	100+100	652668	659332	CP-OFDM QPSK	137@136	135@0	19.4	-16.13	19.40	29.40	0.8712
77C	30	100+100	652668	659332	CP-OFDM QPSK	1@181	1@87	18.03	-21.83	18.03	28.03	0.6354
77C	30	100+100	655336	662000	DFT-s BPSK	135@138	135@0	20.42	-18.27	20.42	30.42	1.1017
77C	30	100+100	655336	662000	DFT-s BPSK	1@181	1@87	18.92	-20.15	18.92	28.92	0.7799
77C	30	100+100	655336	662000	DFT-s QPSK	135@138	135@0	20.45	-18.13	20.45	30.45	1.1093
77C	30	100+100	655336	662000	DFT-s QPSK	1@181	1@87	18.97	-20.02	18.97	28.97	0.7890
77C	30	100+100	655336	662000	DFT-s 16 QAM	135@138	135@0	20.44	-17.72	20.44	30.44	1.1068
77C	30	100+100	655336	662000	DFT-s 16 QAM	1@181	1@87	16.76	-22.01	16.76	26.76	0.4743
77C	30	100+100	655336	662000	DFT-s 64 QAM	135@138	135@0	17.94	-18.82	17.94	27.94	0.6224
77C	30	100+100	655336	662000	DFT-s 64 QAM	1@181	1@87	16.98	-22.09	16.98	26.98	0.4989
77C	30	100+100	655336	662000	DFT-s 256 QAM	135@138	135@0	15.93	-22.45	15.93	25.93	0.3918
77C	30	100+100	655336	662000	DFT-s 256 QAM	1@181	1@87	16.26	-22.29	16.26	26.26	0.4227



77C	30	100+100	655336	662000	CP-OFDM QPSK	137@136	135@0	19.42	-18.83	19.42	29.42	0.8751
77C	30	100+100	655336	662000	CP-OFDM QPSK	1@181	1@87	17.88	-21.87	17.88	27.88	0.6138
77C	30	100+90	650000	656328	DFT-s QPSK	1@171	1@68	19.01	-19.63	19.01	29.01	0.7963
77C	30	100+90	650000	656328	DFT-s 16 QAM	1@171	1@68	17.12	-19.65	17.12	27.12	0.5153
77C	30	100+90	653004	659332	DFT-s QPSK	1@171	1@68	18.7	-20.31	18.70	28.70	0.7414
77C	30	100+90	653004	659332	DFT-s 16 QAM	1@171	1@68	16.82	-20.32	16.82	26.82	0.4809
77C	30	100+90	656004	662332	DFT-s QPSK	1@171	1@68	18.99	-19.5	18.99	28.99	0.7926
77C	30	100+90	656004	662332	DFT-s 16 QAM	1@171	1@68	17.02	-19.51	17.02	27.02	0.5036
77C	30	90+100	649668	655996	DFT-s QPSK	1@171	1@95	18.68	-19.7	18.68	28.68	0.7380
77C	30	90+100	649668	655996	DFT-s 16 QAM	1@171	1@95	16.75	-19.75	16.75	26.75	0.4733
77C	30	90+100	652674	659002	DFT-s QPSK	1@171	1@95	18.81	-20.19	18.81	28.81	0.7604
77C	30	90+100	652674	659002	DFT-s 16 QAM	1@171	1@95	16.85	-20.21	16.85	26.85	0.4843
77C	30	90+100	655672	662000	DFT-s QPSK	1@171	1@95	18.89	-19.8	18.89	28.89	0.7746
77C	30	90+100	655672	662000	DFT-s 16 QAM	1@171	1@95	16.92	-19.81	16.92	26.92	0.4921
77C	30	100+80	650000	655992	DFT-s QPSK	1@161	1@48	18.78	-19.81	18.78	28.78	0.7552
77C	30	100+80	650000	655992	DFT-s 16 QAM	1@161	1@48	16.85	-19.85	16.85	26.85	0.4843
77C	30	100+80	653340	659332	DFT-s QPSK	1@161	1@48	18.72	-20.41	18.72	28.72	0.7448
77C	30	100+80	653340	659332	DFT-s 16 QAM	1@161	1@48	16.79	-20.55	16.79	26.79	0.4776
77C	30	100+80	656674	662666	DFT-s QPSK	1@161	1@48	18.8	-20.11	18.80	28.80	0.7587
77C	30	100+80	656674	662666	DFT-s 16 QAM	1@161	1@48	16.86	-20.15	16.86	26.86	0.4854
77C	30	80+100	649334	655326	DFT-s QPSK	1@161	1@104	18.85	-19.51	18.85	28.85	0.7675
77C	30	80+100	649334	655326	DFT-s 16 QAM	1@161	1@104	16.92	-19.53	16.92	26.92	0.4922
77C	30	80+100	652674	658666	DFT-s QPSK	1@161	1@104	18.75	-20.15	18.75	28.75	0.7500
77C	30	80+100	652674	658666	DFT-s 16 QAM	1@161	1@104	16.82	-20.17	16.82	26.82	0.4809
77C	30	80+100	656008	662000	DFT-s QPSK	1@161	1@104	18.67	-19.93	18.67	28.67	0.7363
77C	30	80+100	656008	662000	DFT-s 16 QAM	1@161	1@104	16.72	-19.95	16.72	26.72	0.4700
77C	30	90+90	649668	655668	DFT-s QPSK	1@161	1@76	18.63	-19.65	18.63	28.63	0.7296
77C	30	90+90	649668	655668	DFT-s 16 QAM	1@161	1@76	16.71	-19.67	16.71	26.71	0.4689
77C	30	90+90	653004	659004	DFT-s QPSK	1@161	1@76	18.71	-19.79	18.71	28.71	0.7431
77C	30	90+90	653004	659004	DFT-s 16 QAM	1@161	1@76	16.79	-19.82	16.79	26.79	0.4776
77C	30	90+90	656332	662332	DFT-s QPSK	1@161	1@76	18.77	-19.81	18.77	28.77	0.7535
77C	30	90+90	656332	662332	DFT-s 16 QAM	1@161	1@76	16.85	-19.82	16.85	26.85	0.4843
77C	30	100+70	650000	655656	DFT-s QPSK	1@152	1@30	18.81	-19.67	18.81	28.81	0.7604
77C	30	100+70	650000	655656	DFT-s 16 QAM	1@152	1@30	16.89	-19.69	16.89	26.89	0.4888
77C	30	100+70	653676	659332	DFT-s QPSK	1@152	1@30	18.85	-19.61	18.85	28.85	0.7675
77C	30	100+70	653676	659332	DFT-s 16 QAM	1@152	1@30	16.91	-19.62	16.91	26.91	0.4910
77C	30	100+70	657334	663000	DFT-s QPSK	1@152	1@30	18.76	-19.72	18.76	28.76	0.7517



77C	30	100+70	657334	663000	DFT-s 16 QAM	1@152	1@30	16.85	-19.73	16.85	26.85	0.4843
77C	30	70+100	648668	654324	DFT-s QPSK	1@152	1@115	18.73	-19.26	18.73	28.73	0.7466
77C	30	70+100	648668	654324	DFT-s 16 QAM	1@152	1@115	16.82	-19.27	16.82	26.82	0.4810
77C	30	70+100	652506	658162	DFT-s QPSK	1@152	1@115	18.66	-19.49	18.66	28.66	0.7346
77C	30	70+100	652506	658162	DFT-s 16 QAM	1@152	1@115	16.72	-19.5	16.72	26.72	0.4700
77C	30	70+100	656344	662000	DFT-s QPSK	1@152	1@115	18.77	-19.36	18.77	28.77	0.7535
77C	30	70+100	656344	662000	DFT-s 16 QAM	1@152	1@115	16.81	-19.37	16.81	26.81	0.4798
77C	30	90+80	649668	654662	DFT-s QPSK	1@152	1@58	18.72	-19.45	18.72	28.72	0.7448
77C	30	90+80	649668	654662	DFT-s 16 QAM	1@152	1@58	16.86	-19.46	16.86	26.86	0.4854
77C	30	90+80	653340	659004	DFT-s QPSK	1@152	1@58	18.66	-19.46	18.66	28.66	0.7346
77C	30	90+80	653340	659004	DFT-s 16 QAM	1@152	1@58	16.71	-19.47	16.71	26.71	0.4689
77C	30	90+80	657002	662666	DFT-s QPSK	1@152	1@58	18.84	-19.35	18.84	28.84	0.7657
77C	30	90+80	657002	662666	DFT-s 16 QAM	1@152	1@58	16.89	-19.36	16.89	26.89	0.4888
77C	30	80+90	649334	654998	DFT-s QPSK	1@152	1@86	18.68	-19.63	18.68	28.68	0.7380
77C	30	80+90	649334	654998	DFT-s 16 QAM	1@152	1@86	16.79	-19.66	16.79	26.79	0.4776
77C	30	80+90	653004	658668	DFT-s QPSK	1@152	1@86	18.75	-19.58	18.75	28.75	0.7500
77C	30	80+90	653004	658668	DFT-s 16 QAM	1@152	1@86	16.82	-19.6	16.82	26.82	0.4809
77C	30	80+90	656668	662332	DFT-s QPSK	1@152	1@86	18.63	-19.67	18.63	28.63	0.7296
77C	30	80+90	656668	662332	DFT-s 16 QAM	1@152	1@86	16.72	-19.69	16.72	26.72	0.4700
77C	30	100+60	650000	655320	DFT-s QPSK	1@143	1@13	18.7	-20.01	18.70	28.70	0.7414
77C	30	100+60	650000	655320	DFT-s 16 QAM	1@143	1@13	16.82	-20.02	16.82	26.82	0.4809
77C	30	100+60	654006	659326	DFT-s QPSK	1@143	1@13	18.81	-20.59	18.81	28.81	0.7604
77C	30	100+60	654006	659326	DFT-s 16 QAM	1@143	1@13	16.92	-20.62	16.92	26.92	0.4921
77C	30	100+60	658012	663332	DFT-s QPSK	1@143	1@13	18.77	-20.01	18.77	28.77	0.7535
77C	30	100+60	658012	663332	DFT-s 16 QAM	1@143	1@13	16.81	-20.02	16.81	26.81	0.4798
77C	30	60+100	648668	653988	DFT-s QPSK	1@142	1@122	18.44	-19.34	18.44	28.44	0.6983
77C	30	60+100	648668	653988	DFT-s 16 QAM	1@142	1@122	16.56	-19.35	16.56	26.56	0.4530
77C	30	60+100	652674	657994	DFT-s QPSK	1@142	1@122	18.56	-19.22	18.56	28.56	0.7179
77C	30	60+100	652674	657994	DFT-s 16 QAM	1@142	1@122	16.72	-19.23	16.72	26.72	0.4700
77C	30	60+100	656680	662000	DFT-s QPSK	1@142	1@122	18.36	-19.42	18.36	28.36	0.6856
77C	30	60+100	656680	662000	DFT-s 16 QAM	1@142	1@122	16.51	-19.43	16.51	26.51	0.4478
77C	30	90+70	649668	654996	DFT-s QPSK	1@143	1@40	18.79	-19.42	18.79	28.79	0.7569
77C	30	90+70	649668	654996	DFT-s 16 QAM	1@143	1@40	16.86	-19.43	16.86	26.86	0.4854
77C	30	90+70	653670	658998	DFT-s QPSK	1@143	1@40	18.72	-19.51	18.72	28.72	0.7448
77C	30	90+70	653670	658998	DFT-s 16 QAM	1@143	1@40	16.81	-19.52	16.81	26.81	0.4798
77C	30	90+70	657672	663000	DFT-s QPSK	1@143	1@40	18.61	-19.77	18.61	28.61	0.7262
77C	30	90+70	657672	663000	DFT-s 16 QAM	1@143	1@40	16.75	-19.78	16.75	26.75	0.4733



77C	30	70+90	648668	653996	DFT-s QPSK	1@142	1@94	18.91	-19.92	18.91	28.91	0.7781
77C	30	70+90	648668	653996	DFT-s 16 QAM	1@142	1@94	17.02	-19.93	17.02	27.02	0.5036
77C	30	70+90	652836	658164	DFT-s QPSK	1@142	1@94	18.84	-19.95	18.84	28.84	0.7657
77C	30	70+90	652836	658164	DFT-s 16 QAM	1@142	1@94	16.92	-19.96	16.92	26.92	0.4921
77C	30	70+90	657004	662332	DFT-s QPSK	1@142	1@94	18.88	-20.02	18.88	28.88	0.7728
77C	30	70+90	657004	662332	DFT-s 16 QAM	1@142	1@94	16.95	-20.03	16.95	26.95	0.4955
77C	30	80+80	649334	654666	DFT-s QPSK	1@143	1@68	18.79	-19.78	18.79	28.79	0.7569
77C	30	80+80	649334	654666	DFT-s 16 QAM	1@143	1@68	16.88	-19.8	16.88	26.88	0.4876
77C	30	80+80	653334	658666	DFT-s QPSK	1@143	1@68	18.87	-19.74	18.87	28.87	0.7710
77C	30	80+80	653334	658666	DFT-s 16 QAM	1@143	1@68	16.95	-19.75	16.95	26.95	0.4956
77C	30	80+80	657334	662666	DFT-s QPSK	1@143	1@68	18.84	-19.73	18.84	28.84	0.7657
77C	30	80+80	657334	662666	DFT-s 16 QAM	1@143	1@68	16.89	-19.74	16.89	26.89	0.4888
77C	30	100+50	650000	654984	DFT-s QPSK	1@147	1@0	18.72	-19.89	18.72	28.72	0.7448
77C	30	100+50	650000	654984	DFT-s 16 QAM	1@147	1@0	16.81	-19.99	16.81	26.81	0.4798
77C	30	100+50	654342	659326	DFT-s QPSK	1@147	1@0	18.97	-19.92	18.97	28.97	0.7890
77C	30	100+50	654342	659326	DFT-s 16 QAM	1@147	1@0	17.02	-19.93	17.02	27.02	0.5036
77C	30	100+50	658682	663666	DFT-s QPSK	1@147	1@0	18.75	-20.32	18.75	28.75	0.7500
77C	30	100+50	658682	663666	DFT-s 16 QAM	1@147	1@0	16.83	-20.33	16.83	26.83	0.4820
77C	30	50+100	648334	653318	DFT-s QPSK	1@132	1@130	18.38	-18.99	18.38	28.38	0.6888
77C	30	50+100	648334	653318	DFT-s 16 QAM	1@132	1@130	16.49	-19.01	16.49	26.49	0.4458
77C	30	50+100	652680	657664	DFT-s QPSK	1@132	1@130	18.59	-19.37	18.59	28.59	0.7229
77C	30	50+100	652680	657664	DFT-s 16 QAM	1@132	1@130	16.71	-19.38	16.71	26.71	0.4689
77C	30	50+100	657016	662000	DFT-s QPSK	1@132	1@130	18.45	-19.18	18.45	28.45	0.7000
77C	30	50+100	657016	662000	DFT-s 16 QAM	1@132	1@130	16.59	-19.19	16.59	26.59	0.4562
77C	30	90+60	649668	654660	DFT-s QPSK	1@133	1@21	18.6	-19.88	18.60	28.60	0.7245
77C	30	90+60	649668	654660	DFT-s 16 QAM	1@133	1@21	16.72	-19.89	16.72	26.72	0.4700
77C	30	90+60	654006	658998	DFT-s QPSK	1@133	1@21	18.98	-20.29	18.98	28.98	0.7908
77C	30	90+60	654006	658998	DFT-s 16 QAM	1@133	1@21	17.01	-20.31	17.01	27.01	0.5024
77C	30	90+60	658340	663332	DFT-s QPSK	1@133	1@21	18.76	-20.12	18.76	28.76	0.7517
77C	30	90+60	658340	663332	DFT-s 16 QAM	1@133	1@21	16.82	-20.13	16.82	26.82	0.4809
77C	30	60+90	648668	653660	DFT-s QPSK	1@133	1@104	18.41	-18.89	18.41	28.41	0.6936
77C	30	60+90	648668	653660	DFT-s 16 QAM	1@133	1@104	16.52	-18.91	16.52	26.52	0.4489
77C	30	60+90	653004	657996	DFT-s QPSK	1@133	1@104	18.61	-19.76	18.61	28.61	0.7262
77C	30	60+90	653004	657996	DFT-s 16 QAM	1@133	1@104	16.69	-19.77	16.69	26.69	0.4668
77C	30	60+90	657340	662332	DFT-s QPSK	1@133	1@104	18.57	-19.61	18.57	28.57	0.7196
77C	30	60+90	657340	662332	DFT-s 16 QAM	1@133	1@104	16.62	-19.62	16.62	26.62	0.4593
77C	30	80+70	649334	654330	DFT-s QPSK	1@133	1@48	18.77	-19.58	18.77	28.77	0.7535



77C	30	80+70	649334	654330	DFT-s 16 QAM	1@133	1@48	16.85	-19.6	16.85	26.85	0.4843
77C	30	80+70	653670	658666	DFT-s QPSK	1@133	1@48	18.8	-19.97	18.80	28.80	0.7587
77C	30	80+70	653670	658666	DFT-s 16 QAM	1@133	1@48	16.91	-19.98	16.91	26.91	0.4910
77C	30	80+70	658004	663000	DFT-s QPSK	1@133	1@48	18.79	-19.9	18.79	28.79	0.7569
77C	30	80+70	658004	663000	DFT-s 16 QAM	1@133	1@48	16.85	-19.91	16.85	26.85	0.4843
77C	30	70+80	648668	653664	DFT-s QPSK	1@133	1@76	18.63	-19.59	18.63	28.63	0.7296
77C	30	70+80	648668	653664	DFT-s 16 QAM	1@133	1@76	16.69	-19.61	16.69	26.69	0.4668
77C	30	70+80	653172	658168	DFT-s QPSK	1@133	1@76	18.7	-20	18.70	28.70	0.7414
77C	30	70+80	653172	658168	DFT-s 16 QAM	1@133	1@76	16.79	-20.01	16.79	26.79	0.4776
77C	30	70+80	657670	662666	DFT-s QPSK	1@133	1@76	18.75	-19.68	18.75	28.75	0.7500
77C	30	70+80	657670	662666	DFT-s 16 QAM	1@133	1@76	16.86	-19.69	16.86	26.86	0.4854
77C	30	100+40	650000	654648	DFT-s QPSK	1@172	1@0	18.89	-20.34	18.89	28.89	0.7746
77C	30	100+40	650000	654648	DFT-s 16 QAM	1@172	1@0	16.95	-20.35	16.95	26.95	0.4955
77C	30	100+40	654678	659326	DFT-s QPSK	1@172	1@0	18.86	-20.2	18.86	28.86	0.7692
77C	30	100+40	654678	659326	DFT-s 16 QAM	1@172	1@0	16.96	-20.21	16.96	26.96	0.4967
77C	30	100+40	659352	664000	DFT-s QPSK	1@172	1@0	18.73	-20.3	18.73	28.73	0.7465
77C	30	100+40	659352	664000	DFT-s 16 QAM	1@172	1@0	16.85	-20.31	16.85	26.85	0.4843
77C	30	40+100	648000	652648	DFT-s QPSK	1@105	1@105	14.22	-24.78	14.22	24.22	0.2643
77C	30	40+100	648000	652648	DFT-s 16 QAM	1@105	1@105	12.51	-24.81	12.51	22.51	0.1783
77C	30	40+100	652680	657328	DFT-s QPSK	1@105	1@105	14.32	-24.9	14.32	24.32	0.2704
77C	30	40+100	652680	657328	DFT-s 16 QAM	1@105	1@105	12.39	-24.91	12.39	22.39	0.1734
77C	30	40+100	657352	662000	DFT-s QPSK	1@105	1@105	14.37	-24.3	14.37	24.37	0.2736
77C	30	40+100	657352	662000	DFT-s 16 QAM	1@105	1@105	12.42	-24.32	12.42	22.42	0.1746
77C	30	90+50	649668	654324	DFT-s QPSK	1@124	1@2	18.91	-20.43	18.91	28.91	0.7781
77C	30	90+50	649668	654324	DFT-s 16 QAM	1@124	1@2	16.99	-20.45	16.99	26.99	0.5001
77C	30	90+50	654342	658998	DFT-s QPSK	1@124	1@2	18.88	-20.41	18.88	28.88	0.7728
77C	30	90+50	654342	658998	DFT-s 16 QAM	1@124	1@2	16.98	-20.43	16.98	26.98	0.4990
77C	30	90+50	659010	663666	DFT-s QPSK	1@124	1@2	18.97	-20.37	18.97	28.97	0.7890
77C	30	90+50	659010	663666	DFT-s 16 QAM	1@124	1@2	17.12	-20.39	17.12	27.12	0.5153
77C	30	50+90	648334	652990	DFT-s QPSK	1@123	1@113	18.56	-20.61	18.56	28.56	0.7179
77C	30	50+90	648334	652990	DFT-s 16 QAM	1@123	1@113	16.69	-20.62	16.69	26.69	0.4667
77C	30	50+90	653010	657666	DFT-s QPSK	1@123	1@113	18.6	-20.82	18.60	28.60	0.7245
77C	30	50+90	653010	657666	DFT-s 16 QAM	1@123	1@113	16.71	-20.85	16.71	26.71	0.4689
77C	30	50+90	657676	662332	DFT-s QPSK	1@123	1@113	18.64	-20.92	18.64	28.64	0.7312
77C	30	50+90	657676	662332	DFT-s 16 QAM	1@123	1@113	16.75	-20.94	16.75	26.75	0.4732
77C	30	80+60	649334	653994	DFT-s QPSK	1@124	1@30	18.85	-20.79	18.85	28.85	0.7674
77C	30	80+60	649334	653994	DFT-s 16 QAM	1@124	1@30	16.99	-20.81	16.99	26.99	0.5001



77C	30	80+60	654006	658666	DFT-s QPSK	1@124	1@30	18.62	-20.59	18.62	28.62	0.7279
77C	30	80+60	654006	658666	DFT-s 16 QAM	1@124	1@30	16.73	-20.6	16.73	26.73	0.4711
77C	30	80+60	658672	663332	DFT-s QPSK	1@124	1@30	18.69	-20.55	18.69	28.69	0.7397
77C	30	80+60	658672	663332	DFT-s 16 QAM	1@124	1@30	16.75	-20.56	16.75	26.75	0.4732
77C	30	60+80	648668	653328	DFT-s QPSK	1@124	1@86	18.39	-20.36	18.39	28.39	0.6903
77C	30	60+80	648668	653328	DFT-s 16 QAM	1@124	1@86	16.52	-20.39	16.52	26.52	0.4488
77C	30	60+80	653340	658000	DFT-s QPSK	1@124	1@86	18.46	-20.49	18.46	28.46	0.7015
77C	30	60+80	653340	658000	DFT-s 16 QAM	1@124	1@86	16.59	-20.52	16.59	26.59	0.4561
77C	30	60+80	658006	662666	DFT-s QPSK	1@124	1@86	18.37	-20.27	18.37	28.37	0.6872
77C	30	60+80	658006	662666	DFT-s 16 QAM	1@124	1@86	16.49	-20.28	16.49	26.49	0.4458
77C	30	70+70	648668	653332	DFT-s QPSK	1@124	1@57	18.81	-20.49	18.81	28.81	0.7604
77C	30	70+70	648668	653332	DFT-s 16 QAM	1@124	1@57	16.92	-20.52	16.92	26.92	0.4921
77C	30	70+70	653502	658166	DFT-s QPSK	1@124	1@57	18.54	-20.18	18.54	28.54	0.7146
77C	30	70+70	653502	658166	DFT-s 16 QAM	1@124	1@57	16.61	-20.19	16.61	26.61	0.4582
77C	30	70+70	658336	663000	DFT-s QPSK	1@124	1@57	18.84	-20.24	18.84	28.84	0.7657
77C	30	70+70	658336	663000	DFT-s 16 QAM	1@124	1@57	16.95	-20.25	16.95	26.95	0.4955
77C	30	100+30	650000	654326	DFT-s QPSK	1@201	1@0	20.28	-18.91	20.28	30.28	1.0667
77C	30	100+30	650000	654326	DFT-s 16 QAM	1@201	1@0	18.42	-18.92	18.42	28.42	0.6952
77C	30	100+30	655008	659334	DFT-s QPSK	1@201	1@0	20.34	-19.02	20.34	30.34	1.0816
77C	30	100+30	655008	659334	DFT-s 16 QAM	1@201	1@0	18.45	-19.12	18.45	28.45	0.7000
77C	30	100+30	660006	664332	DFT-s QPSK	1@201	1@0	20.39	-19.11	20.39	30.39	1.0941
77C	30	100+30	660006	664332	DFT-s 16 QAM	1@201	1@0	18.51	-19.12	18.51	28.51	0.7097
77C	30	30+100	647668	651994	DFT-s QPSK	1@77	1@75	18.26	-19.02	18.26	28.26	0.6700
77C	30	30+100	647668	651994	DFT-s 16 QAM	1@77	1@75	16.39	-19.03	16.39	26.39	0.4356
77C	30	30+100	652674	657000	DFT-s QPSK	1@77	1@75	18.24	-19.33	18.24	28.24	0.6669
77C	30	30+100	652674	657000	DFT-s 16 QAM	1@77	1@75	16.35	-19.35	16.35	26.35	0.4316
77C	30	30+100	657674	662000	DFT-s QPSK	1@77	1@75	18.25	-19.1	18.25	28.25	0.6685
77C	30	30+100	657674	662000	DFT-s 16 QAM	1@77	1@75	16.42	-19.15	16.42	26.42	0.4387
77C	30	90+40	649668	653988	DFT-s QPSK	1@145	1@0	18.7	-20.05	18.70	28.70	0.7414
77C	30	90+40	649668	653988	DFT-s 16 QAM	1@145	1@0	16.85	-20.15	16.85	26.85	0.4843
77C	30	90+40	654678	658998	DFT-s QPSK	1@145	1@0	18.85	-20.19	18.85	28.85	0.7675
77C	30	90+40	654678	658998	DFT-s 16 QAM	1@145	1@0	16.96	-20.2	16.96	26.96	0.4967
77C	30	90+40	659680	664000	DFT-s QPSK	1@145	1@0	18.66	-20.11	18.66	28.66	0.7346
77C	30	90+40	659680	664000	DFT-s 16 QAM	1@145	1@0	16.75	-20.12	16.75	26.75	0.4732
77C	30	40+90	648000	652320	DFT-s QPSK	1@105	1@104	18.53	-18.96	18.53	28.53	0.7130
77C	30	40+90	648000	652320	DFT-s 16 QAM	1@105	1@104	16.62	-18.99	16.62	26.62	0.4593
77C	30	40+90	653010	657330	DFT-s QPSK	1@105	1@104	18.6	-19.37	18.60	28.60	0.7246



77C	30	40+90	653010	657330	DFT-s 16 QAM	1@105	1@104	16.75	-19.39	16.75	26.75	0.4733
77C	30	40+90	658012	662332	DFT-s QPSK	1@105	1@104	18.58	-19.23	18.58	28.58	0.7212
77C	30	40+90	658012	662332	DFT-s 16 QAM	1@105	1@104	16.71	-19.24	16.71	26.71	0.4689
77C	30	80+50	649334	653658	DFT-s QPSK	1@115	1@12	18.64	-19.93	18.64	28.64	0.7312
77C	30	80+50	649334	653658	DFT-s 16 QAM	1@115	1@12	16.79	-19.94	16.79	26.79	0.4776
77C	30	80+50	654342	658666	DFT-s QPSK	1@115	1@12	18.73	-19.87	18.73	28.73	0.7466
77C	30	80+50	654342	658666	DFT-s 16 QAM	1@115	1@12	16.85	-19.88	16.85	26.85	0.4843
77C	30	80+50	659342	663666	DFT-s QPSK	1@115	1@12	18.69	-19.82	18.69	28.69	0.7397
77C	30	80+50	659342	663666	DFT-s 16 QAM	1@115	1@12	16.81	-19.83	16.81	26.81	0.4798
77C	30	50+80	648334	652658	DFT-s QPSK	1@114	1@94	18.47	-19.37	18.47	28.47	0.7032
77C	30	50+80	648334	652658	DFT-s 16 QAM	1@114	1@94	16.52	-19.39	16.52	26.52	0.4489
77C	30	50+80	653340	657664	DFT-s QPSK	1@114	1@94	18.66	-19.8	18.66	28.66	0.7346
77C	30	50+80	653340	657664	DFT-s 16 QAM	1@114	1@94	16.79	-19.81	16.79	26.79	0.4776
77C	30	50+80	658342	662666	DFT-s QPSK	1@114	1@94	18.51	-19.94	18.51	28.51	0.7097
77C	30	50+80	658342	662666	DFT-s 16 QAM	1@114	1@94	16.59	-19.95	16.59	26.59	0.4561
77C	30	70+60	648668	652992	DFT-s QPSK	1@114	1@39	18.66	-19.74	18.66	28.66	0.7346
77C	30	70+60	648668	652992	DFT-s 16 QAM	1@114	1@39	16.79	-19.75	16.79	26.79	0.4776
77C	30	70+60	653838	658162	DFT-s QPSK	1@114	1@39	18.64	-20.3	18.64	28.64	0.7312
77C	30	70+60	653838	658162	DFT-s 16 QAM	1@114	1@39	16.74	-20.31	16.74	26.74	0.4722
77C	30	70+60	659008	663332	DFT-s QPSK	1@114	1@39	18.47	-20.12	18.47	28.47	0.7032
77C	30	70+60	659008	663332	DFT-s 16 QAM	1@114	1@39	16.59	-20.13	16.59	26.59	0.4561
77C	30	60+70	648668	652992	DFT-s QPSK	1@114	1@66	18.35	-19.73	18.35	28.35	0.6840
77C	30	60+70	648668	652992	DFT-s 16 QAM	1@114	1@66	16.51	-19.74	16.51	26.51	0.4478
77C	30	60+70	653676	658000	DFT-s QPSK	1@114	1@66	18.46	-20.11	18.46	28.46	0.7016
77C	30	60+70	653676	658000	DFT-s 16 QAM	1@114	1@66	16.59	-20.12	16.59	26.59	0.4561
77C	30	60+70	658676	663000	DFT-s QPSK	1@114	1@66	18.41	-19.94	18.41	28.41	0.6935
77C	30	60+70	658676	663000	DFT-s 16 QAM	1@114	1@66	16.49	-19.95	16.49	26.49	0.4458
77C	30	100+25	650000	654160	DFT-s QPSK	1@216	1@0	19.87	-19.08	19.87	29.87	0.9706
77C	30	100+25	650000	654160	DFT-s 16 QAM	1@216	1@0	17.99	-19.18	17.99	27.99	0.6296
77C	30	100+25	655170	659330	DFT-s QPSK	1@216	1@0	20.12	-19.09	20.12	30.12	1.0281
77C	30	100+25	655170	659330	DFT-s 16 QAM	1@216	1@0	18.25	-19.11	18.25	28.25	0.6685
77C	30	100+25	660304	664500	DFT-s QPSK	1@216	1@0	20.05	-18.88	20.05	30.05	1.0117
77C	30	100+25	660304	664500	DFT-s 16 QAM	1@216	1@0	18.19	-18.9	18.19	28.19	0.6593
77C	30	25+100	647500	651660	DFT-s QPSK	1@64	1@62	18.25	-19.38	18.25	28.25	0.6685
77C	30	25+100	647500	651660	DFT-s 16 QAM	1@64	1@62	16.42	-19.48	16.42	26.42	0.4386
77C	30	25+100	652674	656834	DFT-s QPSK	1@64	1@62	18.1	-19.61	18.10	28.10	0.6458
77C	30	25+100	652674	656834	DFT-s 16 QAM	1@64	1@62	16.21	-19.62	16.21	26.21	0.4179



77C	30	25+100	657840	662000	DFT-s QPSK	1@64	1@62	18.17	-19.42	18.17	28.17	0.6563
77C	30	25+100	657840	662000	DFT-s 16 QAM	1@64	1@62	16.29	-19.43	16.29	26.29	0.4257
77C	30	100+20	650000	653996	DFT-s QPSK	1@229	1@0	19.93	-18.92	19.93	29.93	0.9841
77C	30	100+20	650000	653996	DFT-s 16 QAM	1@229	1@0	18.02	-18.93	18.02	28.02	0.6340
77C	30	100+20	655338	659334	DFT-s QPSK	1@229	1@0	20.06	-18.99	20.06	30.06	1.0140
77C	30	100+20	655338	659334	DFT-s 16 QAM	1@229	1@0	18.21	-19.02	18.21	28.21	0.6623
77C	30	100+20	660670	664666	DFT-s QPSK	1@229	1@0	20.07	-18.89	20.07	30.07	1.0164
77C	30	100+20	660670	664666	DFT-s 16 QAM	1@229	1@0	18.21	-18.91	18.21	28.21	0.6623
77C	30	20+100	647334	651330	DFT-s QPSK	1@50	1@48	18.24	-19.46	18.24	28.24	0.6669
77C	30	20+100	647334	651330	DFT-s 16 QAM	1@50	1@48	16.42	-19.48	16.42	26.42	0.4386
77C	30	20+100	652674	656670	DFT-s QPSK	1@50	1@48	18.2	-19.59	18.20	28.20	0.6608
77C	30	20+100	652674	656670	DFT-s 16 QAM	1@50	1@48	16.35	-19.62	16.35	26.35	0.4316
77C	30	20+100	658004	662000	DFT-s QPSK	1@50	1@48	18.29	-19.46	18.29	28.29	0.6746
77C	30	20+100	658004	662000	DFT-s 16 QAM	1@50	1@48	16.55	-19.47	16.55	26.55	0.4520
77C	30	90+30	649668	653660	DFT-s QPSK	1@173	1@0	19.88	-19.01	19.88	29.88	0.9729
77C	30	90+30	649668	653660	DFT-s 16 QAM	1@173	1@0	18.02	-19.02	18.02	28.02	0.6340
77C	30	90+30	655008	659000	DFT-s QPSK	1@173	1@0	20.1	-19.23	20.10	30.10	1.0234
77C	30	90+30	655008	659000	DFT-s 16 QAM	1@173	1@0	19.02	-19.24	19.02	29.02	0.7981
77C	30	90+30	660340	664332	DFT-s QPSK	1@173	1@0	19.97	-19.11	19.97	29.97	0.9932
77C	30	90+30	660340	664332	DFT-s 16 QAM	1@173	1@0	18.02	-19.12	18.02	28.02	0.6340
77C	30	30+90	647668	651660	DFT-s QPSK	1@77	1@75	18.09	-19.29	18.09	28.09	0.6443
77C	30	30+90	647668	651660	DFT-s 16 QAM	1@77	1@75	16.21	-19.36	16.21	26.21	0.4179
77C	30	30+90	653004	656996	DFT-s QPSK	1@77	1@75	18.11	-19.37	18.11	28.11	0.6473
77C	30	30+90	653004	656996	DFT-s 16 QAM	1@77	1@75	16.25	-19.38	16.25	26.25	0.4218
77C	30	30+90	658340	662332	DFT-s QPSK	1@77	1@75	18.06	-19.37	18.06	28.06	0.6399
77C	30	30+90	658340	662332	DFT-s 16 QAM	1@77	1@75	16.15	-19.38	16.15	26.15	0.4122
77C	30	80+40	649334	653322	DFT-s QPSK	1@117	1@0	18.32	-20.58	18.32	28.32	0.6793
77C	30	80+40	649334	653322	DFT-s 16 QAM	1@117	1@0	16.42	-20.62	16.42	26.42	0.4386
77C	30	80+40	654678	658666	DFT-s QPSK	1@117	1@0	18.33	-20.92	18.33	28.33	0.6809
77C	30	80+40	654678	658666	DFT-s 16 QAM	1@117	1@0	16.55	-20.93	16.55	26.55	0.4519
77C	30	80+40	660012	664000	DFT-s QPSK	1@117	1@0	18.24	-20.89	18.24	28.24	0.6669
77C	30	80+40	660012	664000	DFT-s 16 QAM	1@117	1@0	16.35	-20.9	16.35	26.35	0.4316
77C	30	40+80	648000	651988	DFT-s QPSK	1@105	1@104	18.14	-19.47	18.14	28.14	0.6517
77C	30	40+80	648000	651988	DFT-s 16 QAM	1@105	1@104	16.29	-19.49	16.29	26.29	0.4257
77C	30	40+80	653340	657328	DFT-s QPSK	1@105	1@104	18.11	-19.67	18.11	28.11	0.6473
77C	30	40+80	653340	657328	DFT-s 16 QAM	1@105	1@104	16.25	-19.69	16.25	26.25	0.4218
77C	30	40+80	658678	662666	DFT-s QPSK	1@105	1@104	18.06	-19.81	18.06	28.06	0.6398



77C	30	40+80	658678	662666	DFT-s 16 QAM	1@105	1@104	16.15	-19.82	16.15	26.15	0.4122
77C	30	70+50	648668	652660	DFT-s QPSK	1@105	1@22	18.26	-20.4	18.26	28.26	0.6700
77C	30	70+50	648668	652660	DFT-s 16 QAM	1@105	1@22	16.39	-20.41	16.39	26.39	0.4356
77C	30	70+50	654174	658166	DFT-s QPSK	1@105	1@22	18.37	-20.69	18.37	28.37	0.6872
77C	30	70+50	654174	658166	DFT-s 16 QAM	1@105	1@22	16.49	-20.7	16.49	26.49	0.4457
77C	30	70+50	659674	663666	DFT-s QPSK	1@105	1@22	18.22	-20.64	18.22	28.22	0.6638
77C	30	70+50	659674	663666	DFT-s 16 QAM	1@105	1@22	16.35	-20.65	16.35	26.35	0.4316
77C	30	50+70	648334	652326	DFT-s QPSK	1@105	1@76	18.21	-19.83	18.21	28.21	0.6623
77C	30	50+70	648334	652326	DFT-s 16 QAM	1@105	1@76	16.43	-19.84	16.43	26.43	0.4396
77C	30	50+70	653676	657668	DFT-s QPSK	1@105	1@76	18.23	-20.17	18.23	28.23	0.6654
77C	30	50+70	653676	657668	DFT-s 16 QAM	1@105	1@76	16.45	-20.18	16.45	26.45	0.4417
77C	30	50+70	659008	663000	DFT-s QPSK	1@105	1@76	18.13	-20.19	18.13	28.13	0.6502
77C	30	50+70	659008	663000	DFT-s 16 QAM	1@105	1@76	16.26	-20.2	16.26	26.26	0.4228
77C	30	60+60	648668	652668	DFT-s QPSK	1@105	1@47	18.27	-20.12	18.27	28.27	0.6715
77C	30	60+60	648668	652668	DFT-s 16 QAM	1@105	1@47	16.49	-20.13	16.49	26.49	0.4458
77C	30	60+60	654000	658000	DFT-s QPSK	1@105	1@47	18.29	-20.41	18.29	28.29	0.6746
77C	30	60+60	654000	658000	DFT-s 16 QAM	1@105	1@47	16.45	-20.42	16.45	26.45	0.4417
77C	30	60+60	659332	663332	DFT-s QPSK	1@105	1@47	18.21	-20.47	18.21	28.21	0.6623
77C	30	60+60	659332	663332	DFT-s 16 QAM	1@105	1@47	16.43	-20.48	16.43	26.43	0.4396
77C	30	100+15	650000	653808	DFT-s QPSK	1@240	1@0	19.85	-19.21	19.85	29.85	0.9662
77C	30	100+15	650000	653808	DFT-s 16 QAM	1@240	1@0	17.99	-19.22	17.99	27.99	0.6296
77C	30	100+15	655512	659320	DFT-s QPSK	1@240	1@0	19.78	-19.38	19.78	29.78	0.9507
77C	30	100+15	655512	659320	DFT-s 16 QAM	1@240	1@0	17.85	-19.39	17.85	27.85	0.6097
77C	30	100+15	661024	664832	DFT-s QPSK	1@240	1@0	19.82	-19.26	19.82	29.82	0.9595
77C	30	100+15	661024	664832	DFT-s 16 QAM	1@240	1@0	17.99	-19.27	17.99	27.99	0.6296
77C	30	15+100	647168	650976	DFT-s QPSK	1@37	1@36	17.77	-19.35	17.77	27.77	0.5985
77C	30	15+100	647168	650976	DFT-s 16 QAM	1@37	1@36	15.89	-19.36	15.89	25.89	0.3883
77C	30	15+100	652680	656488	DFT-s QPSK	1@37	1@36	17.74	-19.36	17.74	27.74	0.5944
77C	30	15+100	652680	656488	DFT-s 16 QAM	1@37	1@36	15.86	-19.37	15.86	25.86	0.3856
77C	30	15+100	658192	662000	DFT-s QPSK	1@37	1@36	17.75	-19.51	17.75	27.75	0.5958
77C	30	15+100	658192	662000	DFT-s 16 QAM	1@37	1@36	15.83	-19.52	15.83	25.83	0.3829
77C	30	90+25	649668	653492	DFT-s QPSK	1@187	1@0	19.87	-19.11	19.87	29.87	0.9706
77C	30	90+25	649668	653492	DFT-s 16 QAM	1@187	1@0	17.99	-19.12	17.99	27.99	0.6296
77C	30	90+25	655176	659000	DFT-s QPSK	1@187	1@0	19.91	-19.25	19.91	29.91	0.9796
77C	30	90+25	655176	659000	DFT-s 16 QAM	1@187	1@0	18.02	-19.27	18.02	28.02	0.6340
77C	30	90+25	660676	664500	DFT-s QPSK	1@187	1@0	19.74	-19.41	19.74	29.74	0.9420
77C	30	90+25	660676	664500	DFT-s 16 QAM	1@187	1@0	17.89	-19.42	17.89	27.89	0.6153



77C	30	25+90	647500	651324	DFT-s QPSK	1@64	1@62	18.03	-19.66	18.03	28.03	0.6354
77C	30	25+90	647500	651324	DFT-s 16 QAM	1@64	1@62	16.25	-19.67	16.25	26.25	0.4218
77C	30	25+90	653004	656828	DFT-s QPSK	1@64	1@62	17.94	-19.56	17.94	27.94	0.6224
77C	30	25+90	653004	656828	DFT-s 16 QAM	1@64	1@62	16.05	-19.57	16.05	26.05	0.4028
77C	30	25+90	658508	662332	DFT-s QPSK	1@64	1@62	17.9	-19.9	17.90	27.90	0.6167
77C	30	25+90	658508	662332	DFT-s 16 QAM	1@64	1@62	16.02	-19.91	16.02	26.02	0.4000
77C	30	100+10	650000	653640	DFT-s QPSK	1@254	1@0	19.83	-19.04	19.83	29.83	0.9617
77C	30	100+10	650000	653640	DFT-s 16 QAM	1@254	1@0	18.02	-19.05	18.02	28.02	0.6340
77C	30	100+10	655680	659320	DFT-s QPSK	1@254	1@0	19.88	-18.99	19.88	29.88	0.9729
77C	30	100+10	655680	659320	DFT-s 16 QAM	1@254	1@0	18.03	-19.02	18.03	28.03	0.6355
77C	30	100+10	661360	665000	DFT-s QPSK	1@254	1@0	19.81	-19.01	19.81	29.81	0.9573
77C	30	100+10	661360	665000	DFT-s 16 QAM	1@254	1@0	18.01	-19.02	18.01	28.01	0.6325
77C	30	10+100	647000	650640	DFT-s QPSK	1@23	1@22	15.86	-21.2	15.86	25.86	0.3856
77C	30	10+100	647000	650640	DFT-s 16 QAM	1@23	1@22	14.02	-21.21	14.02	24.02	0.2524
77C	30	10+100	652680	656320	DFT-s QPSK	1@23	1@22	16.04	-21.04	16.04	26.04	0.4019
77C	30	10+100	652680	656320	DFT-s 16 QAM	1@23	1@22	14.21	-21.05	14.21	24.21	0.2637
77C	30	10+100	658360	662000	DFT-s QPSK	1@23	1@22	15.99	-21.26	15.99	25.99	0.3973
77C	30	10+100	658360	662000	DFT-s 16 QAM	1@23	1@22	14.05	-21.27	14.05	24.05	0.2542
77C	30	90+20	649668	653328	DFT-s QPSK	1@202	1@0	19.83	-21.27	19.83	29.83	0.9617
77C	30	90+20	649668	653328	DFT-s 16 QAM	1@202	1@0	17.99	-21.28	17.99	27.99	0.6296
77C	30	90+20	655338	658998	DFT-s QPSK	1@202	1@0	19.86	-19.19	19.86	29.86	0.9684
77C	30	90+20	655338	658998	DFT-s 16 QAM	1@202	1@0	17.98	-19.21	17.98	27.98	0.6282
77C	30	90+20	661006	664666	DFT-s QPSK	1@202	1@0	19.73	-19.23	19.73	29.73	0.9398
77C	30	90+20	661006	664666	DFT-s 16 QAM	1@202	1@0	17.95	-19.24	17.95	27.95	0.6239
77C	30	20+90	647334	650994	DFT-s QPSK	1@50	1@48	18.08	-19.67	18.08	28.08	0.6428
77C	30	20+90	647334	650994	DFT-s 16 QAM	1@50	1@48	16.25	-19.68	16.25	26.25	0.4218
77C	30	20+90	653004	656664	DFT-s QPSK	1@50	1@48	18.09	-19.65	18.09	28.09	0.6443
77C	30	20+90	653004	656664	DFT-s 16 QAM	1@50	1@48	16.19	-19.66	16.19	26.19	0.4160
77C	30	20+90	658672	662332	DFT-s QPSK	1@50	1@48	18.04	-19.86	18.04	28.04	0.6369
77C	30	20+90	658672	662332	DFT-s 16 QAM	1@50	1@48	16.21	-19.87	16.21	26.21	0.4179
77C	30	80+30	649334	652990	DFT-s QPSK	1@144	1@0	19.87	-19.28	19.87	29.87	0.9706
77C	30	80+30	649334	652990	DFT-s 16 QAM	1@144	1@0	18.02	-19.29	18.02	28.02	0.6340
77C	30	80+30	655008	658664	DFT-s QPSK	1@144	1@0	19.85	-19.4	19.85	29.85	0.9662
77C	30	80+30	655008	658664	DFT-s 16 QAM	1@144	1@0	18.01	-19.42	18.01	28.01	0.6325
77C	30	80+30	660676	664332	DFT-s QPSK	1@144	1@0	19.73	-19.56	19.73	29.73	0.9398
77C	30	80+30	660676	664332	DFT-s 16 QAM	1@144	1@0	17.89	-19.57	17.89	27.89	0.6153
77C	30	30+80	647668	651324	DFT-s QPSK	1@77	1@75	17.77	-19.73	17.77	27.77	0.5985



77C	30	30+80	647668	651324	DFT-s 16 QAM	1@77	1@75	15.99	-19.74	15.99	25.99	0.3973
77C	30	30+80	653340	656996	DFT-s QPSK	1@77	1@75	17.87	-19.89	17.87	27.87	0.6125
77C	30	30+80	653340	656996	DFT-s 16 QAM	1@77	1@75	16.01	-19.92	16.01	26.01	0.3991
77C	30	30+80	659010	662666	DFT-s QPSK	1@77	1@75	17.73	-19.95	17.73	27.73	0.5930
77C	30	30+80	659010	662666	DFT-s 16 QAM	1@77	1@75	15.95	-19.96	15.95	25.95	0.3937
77C	30	70+40	648668	652324	DFT-s QPSK	1@96	1@3	18.29	-20.51	18.29	28.29	0.6746
77C	30	70+40	648668	652324	DFT-s 16 QAM	1@96	1@3	16.42	-20.52	16.42	26.42	0.4386
77C	30	70+40	654510	658166	DFT-s QPSK	1@96	1@3	18.36	-20.61	18.36	28.36	0.6856
77C	30	70+40	654510	658166	DFT-s 16 QAM	1@96	1@3	16.49	-20.62	16.49	26.49	0.4457
77C	30	70+40	660344	664000	DFT-s QPSK	1@96	1@3	18.19	-20.73	18.19	28.19	0.6593
77C	30	70+40	660344	664000	DFT-s 16 QAM	1@96	1@3	16.28	-20.74	16.28	26.28	0.4247
77C	30	40+70	648000	651656	DFT-s QPSK	1@96	1@86	18.26	-19.72	18.26	28.26	0.6700
77C	30	40+70	648000	651656	DFT-s 16 QAM	1@96	1@86	16.49	-19.73	16.49	26.49	0.4458
77C	30	40+70	653676	657332	DFT-s QPSK	1@96	1@86	18.25	-19.78	18.25	28.25	0.6684
77C	30	40+70	653676	657332	DFT-s 16 QAM	1@96	1@86	16.43	-19.88	16.43	26.43	0.4396
77C	30	40+70	659344	663000	DFT-s QPSK	1@96	1@86	18.12	-20.04	18.12	28.12	0.6487
77C	30	40+70	659344	663000	DFT-s 16 QAM	1@96	1@86	16.25	-20.05	16.25	26.25	0.4218
77C	30	60+50	648668	652320	DFT-s QPSK	1@96	1@31	18.31	-20.2	18.31	28.31	0.6777
77C	30	60+50	648668	652320	DFT-s 16 QAM	1@96	1@31	16.45	-20.25	16.45	26.45	0.4417
77C	30	60+50	654342	657994	DFT-s QPSK	1@96	1@31	18.34	-20.33	18.34	28.34	0.6824
77C	30	60+50	654342	657994	DFT-s 16 QAM	1@96	1@31	16.49	-20.36	16.49	26.49	0.4457
77C	30	60+50	660014	663666	DFT-s QPSK	1@96	1@31	18.24	-20.57	18.24	28.24	0.6669
77C	30	60+50	660014	663666	DFT-s 16 QAM	1@96	1@31	16.43	-20.59	16.43	26.43	0.4396
77C	30	50+60	648334	651986	DFT-s QPSK	1@96	1@58	18.28	-19.88	18.28	28.28	0.6731
77C	30	50+60	648334	651986	DFT-s 16 QAM	1@96	1@58	16.45	-19.91	16.45	26.45	0.4417
77C	30	50+60	654012	657664	DFT-s QPSK	1@96	1@58	18.33	-20.13	18.33	28.33	0.6809
77C	30	50+60	654012	657664	DFT-s 16 QAM	1@96	1@58	16.48	-20.15	16.48	26.48	0.4447
77C	30	50+60	659680	663332	DFT-s QPSK	1@96	1@58	18.14	-20.24	18.14	28.14	0.6517
77C	30	50+60	659680	663332	DFT-s 16 QAM	1@96	1@58	16.32	-20.26	16.32	26.32	0.4286
77C	30	90+15	649668	653140	DFT-s QPSK	1@243	1@36	19.92	-18.97	19.92	29.92	0.9819
77C	30	90+15	649668	653140	DFT-s 16 QAM	1@243	1@36	18.05	-19.01	18.05	28.05	0.6384
77C	30	90+15	655518	658990	DFT-s QPSK	1@243	1@36	19.77	-19.27	19.77	29.77	0.9485
77C	30	90+15	655518	658990	DFT-s 16 QAM	1@243	1@36	18.01	-19.28	18.01	28.01	0.6325
77C	30	90+15	661360	664832	DFT-s QPSK	1@243	1@36	19.88	-19.15	19.88	29.88	0.9729
77C	30	90+15	661360	664832	DFT-s 16 QAM	1@243	1@36	18.02	-19.16	18.02	28.02	0.6340
77C	30	15+90	647168	650640	DFT-s QPSK	1@37	1@36	17.8	-19.34	17.80	27.80	0.6027
77C	30	15+90	647168	650640	DFT-s 16 QAM	1@37	1@36	16.02	-19.35	16.02	26.02	0.4001



77C	30	15+90	653016	656488	DFT-s QPSK	1@37	1@36	17.82	-19.35	17.82	27.82	0.6055
77C	30	15+90	653016	656488	DFT-s 16 QAM	1@37	1@36	15.99	-19.36	15.99	25.99	0.3973
77C	30	15+90	658860	662332	DFT-s QPSK	1@37	1@36	17.77	-19.47	17.77	27.77	0.5985
77C	30	15+90	658860	662332	DFT-s 16 QAM	1@37	1@36	15.95	-19.48	15.95	25.95	0.3937
77C	30	80+25	649334	652822	DFT-s QPSK	1@215	1@63	19.84	-19.21	19.84	29.84	0.9639
77C	30	80+25	649334	652822	DFT-s 16 QAM	1@215	1@63	18.02	-19.22	18.02	28.02	0.6340
77C	30	80+25	655176	658664	DFT-s QPSK	1@215	1@63	19.94	-19.25	19.94	29.94	0.9864
77C	30	80+25	655176	658664	DFT-s 16 QAM	1@215	1@63	18.02	-19.26	18.02	28.02	0.6340
77C	30	80+25	661012	664500	DFT-s QPSK	1@215	1@63	19.89	-19.27	19.89	29.89	0.9751
77C	30	80+25	661012	664500	DFT-s 16 QAM	1@215	1@63	18.01	-19.28	18.01	28.01	0.6325
77C	30	25+80	647500	650988	DFT-s QPSK	1@63	1@60	18.03	-19.78	18.03	28.03	0.6354
77C	30	25+80	647500	650988	DFT-s 16 QAM	1@63	1@60	16.15	-19.8	16.15	26.15	0.4122
77C	30	25+80	653340	656828	DFT-s QPSK	1@63	1@60	18	-19.89	18.00	28.00	0.6311
77C	30	25+80	653340	656828	DFT-s 16 QAM	1@63	1@60	16.12	-19.91	16.12	26.12	0.4094
77C	30	25+80	659178	662666	DFT-s QPSK	1@63	1@60	17.91	-20.02	17.91	27.91	0.6181
77C	30	25+80	659178	662666	DFT-s 16 QAM	1@63	1@60	16.05	-20.03	16.05	26.05	0.4028



<SCC Power all up>

NR	SCS	Bandwidth	PCC Arfcn	SCC Arfcn	Modulation	PCC RB	SCC RB	PCC Power(dBm)	SCC Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
Band	(kHz)	(MHz)										
77C	30	100+100	650000	656664	DFT-s BPSK	135@138	135@0	-5.2	19.39	19.41	29.41	0.8720
77C	30	100+100	650000	656664	DFT-s BPSK	1@181	1@87	-5.24	18.64	18.66	28.66	0.7341
77C	30	100+100	650000	656664	DFT-s QPSK	135@138	135@0	-5.34	19.35	19.36	29.36	0.8639
77C	30	100+100	650000	656664	DFT-s QPSK	1@181	1@87	-5.35	18.7	18.72	28.72	0.7442
77C	30	100+100	650000	656664	DFT-s 16 QAM	135@138	135@0	-5.23	19.34	19.36	29.36	0.8620
77C	30	100+100	650000	656664	DFT-s 16 QAM	1@181	1@87	-5.24	16.11	16.14	26.14	0.4113
77C	30	100+100	650000	656664	DFT-s 64 QAM	135@138	135@0	-5.16	17.44	17.46	27.46	0.5577
77C	30	100+100	650000	656664	DFT-s 64 QAM	1@181	1@87	-5.4	16.3	16.33	26.33	0.4295
77C	30	100+100	650000	656664	DFT-s 256 QAM	135@138	135@0	-5.3	16.01	16.04	26.04	0.4020
77C	30	100+100	650000	656664	DFT-s 256 QAM	1@181	1@87	-5.33	16.07	16.10	26.10	0.4075
77C	30	100+100	650000	656664	CP-OFDM QPSK	137@136	135@0	-5.17	17.96	17.98	27.98	0.6282
77C	30	100+100	650000	656664	CP-OFDM QPSK	1@181	1@87	-5.34	16.13	16.16	26.16	0.4131
77C	30	100+100	652668	659332	DFT-s BPSK	135@138	135@0	-5.12	19.26	19.28	29.28	0.8464
77C	30	100+100	652668	659332	DFT-s BPSK	1@181	1@87	-5.31	18.81	18.83	28.83	0.7633
77C	30	100+100	652668	659332	DFT-s QPSK	135@138	135@0	-5.25	19.27	19.29	29.29	0.8483
77C	30	100+100	652668	659332	DFT-s QPSK	1@181	1@87	-5.1	18.5	18.52	28.52	0.7110
77C	30	100+100	652668	659332	DFT-s 16 QAM	135@138	135@0	-5.38	19.27	19.28	29.28	0.8482
77C	30	100+100	652668	659332	DFT-s 16 QAM	1@181	1@87	-5.12	16.35	16.38	26.38	0.4346
77C	30	100+100	652668	659332	DFT-s 64 QAM	135@138	135@0	-5.27	17.39	17.41	27.41	0.5512
77C	30	100+100	652668	659332	DFT-s 64 QAM	1@181	1@87	-5.34	16.38	16.41	26.41	0.4374
77C	30	100+100	652668	659332	DFT-s 256 QAM	135@138	135@0	-5.26	15.39	15.43	25.43	0.3489
77C	30	100+100	652668	659332	DFT-s 256 QAM	1@181	1@87	-5.32	15.57	15.61	25.61	0.3635
77C	30	100+100	652668	659332	CP-OFDM QPSK	137@136	135@0	-5.12	17.93	17.95	27.95	0.6239
77C	30	100+100	652668	659332	CP-OFDM QPSK	1@181	1@87	-5.39	17.3	17.32	27.32	0.5399
77C	30	100+100	655336	662000	DFT-s BPSK	135@138	135@0	-5.39	19.23	19.24	29.24	0.8404
77C	30	100+100	655336	662000	DFT-s BPSK	1@181	1@87	-5.21	18.85	18.87	28.87	0.7704
77C	30	100+100	655336	662000	DFT-s QPSK	135@138	135@0	-5.15	19.21	19.23	29.23	0.8367
77C	30	100+100	655336	662000	DFT-s QPSK	1@181	1@87	-5.11	18.57	18.59	28.59	0.7225
77C	30	100+100	655336	662000	DFT-s 16 QAM	135@138	135@0	-5.13	19.21	19.23	29.23	0.8368
77C	30	100+100	655336	662000	DFT-s 16 QAM	1@181	1@87	-5.11	16.53	16.56	26.56	0.4529
77C	30	100+100	655336	662000	DFT-s 64 QAM	135@138	135@0	-5.32	17.37	17.39	27.39	0.5487
77C	30	100+100	655336	662000	DFT-s 64 QAM	1@181	1@87	-5.23	16.18	16.21	26.21	0.4180
77C	30	100+100	655336	662000	DFT-s 256 QAM	135@138	135@0	-5.26	15.42	15.46	25.46	0.3513
77C	30	100+100	655336	662000	DFT-s 256 QAM	1@181	1@87	-5.33	15.58	15.62	25.62	0.3643



77C	30	100+100	655336	662000	CP-OFDM QPSK	137@136	135@0	-5.28	17.81	17.83	27.83	0.6069
77C	30	100+100	655336	662000	CP-OFDM QPSK	1@181	1@87	-5.37	17.37	17.39	27.39	0.5487
77C	30	100+90	650000	656328	DFT-s QPSK	1@171	1@68	-5.18	18.76	18.78	28.78	0.7547
77C	30	100+90	650000	656328	DFT-s 16 QAM	1@171	1@68	-5.18	18.76	18.78	28.78	0.7547
77C	30	100+90	653004	659332	DFT-s QPSK	1@171	1@68	-5.39	18.61	18.63	28.63	0.7290
77C	30	100+90	653004	659332	DFT-s 16 QAM	1@171	1@68	-5.39	18.61	18.63	28.63	0.7290
77C	30	100+90	656004	662332	DFT-s QPSK	1@171	1@68	-5.32	18.46	18.48	28.48	0.7044
77C	30	100+90	656004	662332	DFT-s 16 QAM	1@171	1@68	-5.32	18.46	18.48	28.48	0.7044
77C	30	90+100	649668	655996	DFT-s QPSK	1@171	1@95	-5.31	18.81	18.83	28.83	0.7633
77C	30	90+100	649668	655996	DFT-s 16 QAM	1@171	1@95	-5.22	17.1	17.13	27.13	0.5159
77C	30	90+100	652674	659002	DFT-s QPSK	1@171	1@95	-5.25	18.56	18.58	28.58	0.7208
77C	30	90+100	652674	659002	DFT-s 16 QAM	1@171	1@95	-5.16	16.79	16.82	26.82	0.4806
77C	30	90+100	655672	662000	DFT-s QPSK	1@171	1@95	-5.27	18.57	18.59	28.59	0.7224
77C	30	90+100	655672	662000	DFT-s 16 QAM	1@171	1@95	-5.22	16.67	16.70	26.70	0.4675
77C	30	100+80	650000	655992	DFT-s QPSK	1@161	1@48	-5.12	18.78	18.80	28.80	0.7582
77C	30	100+80	650000	655992	DFT-s 16 QAM	1@161	1@48	-5.04	16.94	16.97	26.97	0.4974
77C	30	100+80	653340	659332	DFT-s QPSK	1@161	1@48	-5.36	18.51	18.53	28.53	0.7125
77C	30	100+80	653340	659332	DFT-s 16 QAM	1@161	1@48	-5.32	16.81	16.84	26.84	0.4827
77C	30	100+80	656674	662666	DFT-s QPSK	1@161	1@48	-5.33	18.65	18.67	28.67	0.7358
77C	30	100+80	656674	662666	DFT-s 16 QAM	1@161	1@48	-5.32	16.72	16.75	26.75	0.4728
77C	30	80+100	649334	655326	DFT-s QPSK	1@161	1@104	-5.35	18.75	18.77	28.77	0.7528
77C	30	80+100	649334	655326	DFT-s 16 QAM	1@161	1@104	-5.27	16.86	16.89	26.89	0.4883
77C	30	80+100	652674	658666	DFT-s QPSK	1@161	1@104	-5.19	18.63	18.65	28.65	0.7325
77C	30	80+100	652674	658666	DFT-s 16 QAM	1@161	1@104	-5.23	16.96	16.99	26.99	0.4996
77C	30	80+100	656008	662000	DFT-s QPSK	1@161	1@104	-5.14	18.55	18.57	28.57	0.7192
77C	30	80+100	656008	662000	DFT-s 16 QAM	1@161	1@104	-5.18	16.84	16.87	26.87	0.4861
77C	30	90+90	649668	655668	DFT-s QPSK	1@161	1@76	-5.37	18.43	18.45	28.45	0.6995
77C	30	90+90	649668	655668	DFT-s 16 QAM	1@161	1@76	-5.44	16.54	16.57	26.57	0.4537
77C	30	90+90	653004	659004	DFT-s QPSK	1@161	1@76	-5.14	18.47	18.49	28.49	0.7061
77C	30	90+90	653004	659004	DFT-s 16 QAM	1@161	1@76	-5.17	16.76	16.79	26.79	0.4773
77C	30	90+90	656332	662332	DFT-s QPSK	1@161	1@76	-5.36	18.59	18.61	28.61	0.7257
77C	30	90+90	656332	662332	DFT-s 16 QAM	1@161	1@76	-5.38	16.68	16.71	26.71	0.4685
77C	30	100+70	650000	655656	DFT-s QPSK	1@152	1@30	-5.35	18.61	18.63	28.63	0.7290
77C	30	100+70	650000	655656	DFT-s 16 QAM	1@152	1@30	-5.26	16.85	16.88	26.88	0.4872
77C	30	100+70	653676	659332	DFT-s QPSK	1@152	1@30	-5.28	18.49	18.51	28.51	0.7093
77C	30	100+70	653676	659332	DFT-s 16 QAM	1@152	1@30	-5.38	16.58	16.61	26.61	0.4579
77C	30	100+70	657334	663000	DFT-s QPSK	1@152	1@30	-5.14	18.45	18.47	28.47	0.7029



77C	30	100+70	657334	663000	DFT-s 16 QAM	1@152	1@30	-5.08	16.69	16.72	26.72	0.4698
77C	30	70+100	648668	654324	DFT-s QPSK	1@152	1@115	-5.15	18.43	18.45	28.45	0.6997
77C	30	70+100	648668	654324	DFT-s 16 QAM	1@152	1@115	-5.23	16.54	16.57	26.57	0.4538
77C	30	70+100	652506	658162	DFT-s QPSK	1@152	1@115	-5.37	18.42	18.44	28.44	0.6979
77C	30	70+100	652506	658162	DFT-s 16 QAM	1@152	1@115	-5.47	16.56	16.59	26.59	0.4557
77C	30	70+100	656344	662000	DFT-s QPSK	1@152	1@115	-5.29	18.53	18.55	28.55	0.7158
77C	30	70+100	656344	662000	DFT-s 16 QAM	1@152	1@115	-5.31	16.84	16.87	26.87	0.4860
77C	30	90+80	649668	654662	DFT-s QPSK	1@152	1@58	-5.21	18.49	18.51	28.51	0.7093
77C	30	90+80	649668	654662	DFT-s 16 QAM	1@152	1@58	-5.24	16.72	16.75	26.75	0.4729
77C	30	90+80	653340	659004	DFT-s QPSK	1@152	1@58	-5.32	18.48	18.50	28.50	0.7076
77C	30	90+80	653340	659004	DFT-s 16 QAM	1@152	1@58	-5.22	16.74	16.77	26.77	0.4751
77C	30	90+80	657002	662666	DFT-s QPSK	1@152	1@58	-5.32	18.41	18.43	28.43	0.6964
77C	30	90+80	657002	662666	DFT-s 16 QAM	1@152	1@58	-5.24	16.73	16.76	26.76	0.4740
77C	30	80+90	649334	654998	DFT-s QPSK	1@152	1@86	-5.2	18.56	18.58	28.58	0.7208
77C	30	80+90	649334	654998	DFT-s 16 QAM	1@152	1@86	-5.18	16.73	16.76	26.76	0.4740
77C	30	80+90	653004	658668	DFT-s QPSK	1@152	1@86	-5.36	18.64	18.66	28.66	0.7340
77C	30	80+90	653004	658668	DFT-s 16 QAM	1@152	1@86	-5.43	16.98	17.00	27.00	0.5017
77C	30	80+90	656668	662332	DFT-s QPSK	1@152	1@86	-5.15	18.42	18.44	28.44	0.6981
77C	30	80+90	656668	662332	DFT-s 16 QAM	1@152	1@86	-5.11	16.51	16.54	26.54	0.4508
77C	30	100+60	650000	655320	DFT-s QPSK	1@143	1@13	-5.3	18.11	18.13	28.13	0.6501
77C	30	100+60	650000	655320	DFT-s 16 QAM	1@143	1@13	-5.35	16.39	16.42	26.42	0.4384
77C	30	100+60	654006	659326	DFT-s QPSK	1@143	1@13	-5.32	18.29	18.31	28.31	0.6775
77C	30	100+60	654006	659326	DFT-s 16 QAM	1@143	1@13	-5.38	16.6	16.63	26.63	0.4600
77C	30	100+60	658012	663332	DFT-s QPSK	1@143	1@13	-5.1	18.31	18.33	28.33	0.6807
77C	30	100+60	658012	663332	DFT-s 16 QAM	1@143	1@13	-5.05	16.53	16.56	26.56	0.4529
77C	30	60+100	648668	653988	DFT-s QPSK	1@142	1@122	-5.38	18.47	18.49	28.49	0.7060
77C	30	60+100	648668	653988	DFT-s 16 QAM	1@142	1@122	-5.46	16.57	16.60	26.60	0.4568
77C	30	60+100	652674	657994	DFT-s QPSK	1@142	1@122	-5.35	18.68	18.70	28.70	0.7408
77C	30	60+100	652674	657994	DFT-s 16 QAM	1@142	1@122	-5.41	16.93	16.96	26.96	0.4961
77C	30	60+100	656680	662000	DFT-s QPSK	1@142	1@122	-5.32	18.75	18.77	28.77	0.7528
77C	30	60+100	656680	662000	DFT-s 16 QAM	1@142	1@122	-5.38	16.92	16.95	26.95	0.4949
77C	30	90+70	649668	654996	DFT-s QPSK	1@143	1@40	-5.17	18.45	18.47	28.47	0.7029
77C	30	90+70	649668	654996	DFT-s 16 QAM	1@143	1@40	-5.21	16.62	16.65	26.65	0.4622
77C	30	90+70	653670	658998	DFT-s QPSK	1@143	1@40	-5.23	18.59	18.61	28.61	0.7258
77C	30	90+70	653670	658998	DFT-s 16 QAM	1@143	1@40	-5.3	16.9	16.93	26.93	0.4927
77C	30	90+70	657672	663000	DFT-s QPSK	1@143	1@40	-5.21	18.49	18.51	28.51	0.7093
77C	30	90+70	657672	663000	DFT-s 16 QAM	1@143	1@40	-5.25	16.56	16.59	26.59	0.4559



77C	30	70+90	648668	653996	DFT-s QPSK	1@142	1@94	-5.34	18.69	18.71	28.71	0.7425
77C	30	70+90	648668	653996	DFT-s 16 QAM	1@142	1@94	-5.34	16.85	16.88	26.88	0.4871
77C	30	70+90	652836	658164	DFT-s QPSK	1@142	1@94	-5.17	18.65	18.67	28.67	0.7359
77C	30	70+90	652836	658164	DFT-s 16 QAM	1@142	1@94	-5.11	16.73	16.76	26.76	0.4741
77C	30	70+90	657004	662332	DFT-s QPSK	1@142	1@94	-5.19	18.63	18.65	28.65	0.7325
77C	30	70+90	657004	662332	DFT-s 16 QAM	1@142	1@94	-5.21	16.82	16.85	26.85	0.4839
77C	30	80+80	649334	654666	DFT-s QPSK	1@143	1@68	-5.37	18.63	18.65	28.65	0.7324
77C	30	80+80	649334	654666	DFT-s 16 QAM	1@143	1@68	-5.32	16.75	16.78	26.78	0.4761
77C	30	80+80	653334	658666	DFT-s QPSK	1@143	1@68	-5.23	18.56	18.58	28.58	0.7208
77C	30	80+80	653334	658666	DFT-s 16 QAM	1@143	1@68	-5.2	16.69	16.72	26.72	0.4697
77C	30	80+80	657334	662666	DFT-s QPSK	1@143	1@68	-5.36	18.65	18.67	28.67	0.7357
77C	30	80+80	657334	662666	DFT-s 16 QAM	1@143	1@68	-5.29	16.97	17.00	27.00	0.5007
77C	30	100+50	650000	654984	DFT-s QPSK	1@147	1@0	-5.16	18.12	18.14	28.14	0.6517
77C	30	100+50	650000	654984	DFT-s 16 QAM	1@147	1@0	-5.13	16.24	16.27	26.27	0.4238
77C	30	100+50	654342	659326	DFT-s QPSK	1@147	1@0	-5.15	18.51	18.53	28.53	0.7126
77C	30	100+50	654342	659326	DFT-s 16 QAM	1@147	1@0	-5.14	16.75	16.78	26.78	0.4762
77C	30	100+50	658682	663666	DFT-s QPSK	1@147	1@0	-5.33	18.32	18.34	28.34	0.6821
77C	30	100+50	658682	663666	DFT-s 16 QAM	1@147	1@0	-5.3	16.37	16.40	26.40	0.4365
77C	30	50+100	648334	653318	DFT-s QPSK	1@132	1@130	-5.32	18.36	18.38	28.38	0.6884
77C	30	50+100	648334	653318	DFT-s 16 QAM	1@132	1@130	-5.28	16.42	16.45	26.45	0.4415
77C	30	50+100	652680	657664	DFT-s QPSK	1@132	1@130	-5.12	18.66	18.68	28.68	0.7376
77C	30	50+100	652680	657664	DFT-s 16 QAM	1@132	1@130	-5.2	16.85	16.88	26.88	0.4872
77C	30	50+100	657016	662000	DFT-s QPSK	1@132	1@130	-5.15	18.28	18.30	28.30	0.6760
77C	30	50+100	657016	662000	DFT-s 16 QAM	1@132	1@130	-5.15	16.47	16.50	26.50	0.4467
77C	30	90+60	649668	654660	DFT-s QPSK	1@133	1@21	-5.21	18.23	18.25	28.25	0.6683
77C	30	90+60	649668	654660	DFT-s 16 QAM	1@133	1@21	-5.26	16.32	16.35	26.35	0.4315
77C	30	90+60	654006	658998	DFT-s QPSK	1@133	1@21	-5.11	18.35	18.37	28.37	0.6870
77C	30	90+60	654006	658998	DFT-s 16 QAM	1@133	1@21	-5.15	16.45	16.48	26.48	0.4446
77C	30	90+60	658340	663332	DFT-s QPSK	1@133	1@21	-5.17	18.36	18.38	28.38	0.6885
77C	30	90+60	658340	663332	DFT-s 16 QAM	1@133	1@21	-5.09	16.55	16.58	26.58	0.4550
77C	30	60+90	648668	653660	DFT-s QPSK	1@133	1@104	-5.11	18.42	18.44	28.44	0.6981
77C	30	60+90	648668	653660	DFT-s 16 QAM	1@133	1@104	-5.18	16.61	16.64	26.64	0.4612
77C	30	60+90	653004	657996	DFT-s QPSK	1@133	1@104	-5.32	18.74	18.76	28.76	0.7511
77C	30	60+90	653004	657996	DFT-s 16 QAM	1@133	1@104	-5.33	16.96	16.99	26.99	0.4995
77C	30	60+90	657340	662332	DFT-s QPSK	1@133	1@104	-5.32	18.45	18.47	28.47	0.7028
77C	30	60+90	657340	662332	DFT-s 16 QAM	1@133	1@104	-5.26	16.67	16.70	26.70	0.4675
77C	30	80+70	649334	654330	DFT-s QPSK	1@133	1@48	-5.16	18.39	18.41	28.41	0.6933



77C	30	80+70	649334	654330	DFT-s 16 QAM	1@133	1@48	-5.14	16.52	16.55	26.55	0.4518
77C	30	80+70	653670	658666	DFT-s QPSK	1@133	1@48	-5.17	18.74	18.76	28.76	0.7512
77C	30	80+70	653670	658666	DFT-s 16 QAM	1@133	1@48	-5.24	16.96	16.99	26.99	0.4996
77C	30	80+70	658004	663000	DFT-s QPSK	1@133	1@48	-5.16	18.63	18.65	28.65	0.7325
77C	30	80+70	658004	663000	DFT-s 16 QAM	1@133	1@48	-5.08	16.98	17.01	27.01	0.5020
77C	30	70+80	648668	653664	DFT-s QPSK	1@133	1@76	-5.2	18.33	18.35	28.35	0.6838
77C	30	70+80	648668	653664	DFT-s 16 QAM	1@133	1@76	-5.27	16.48	16.51	26.51	0.4476
77C	30	70+80	653172	658168	DFT-s QPSK	1@133	1@76	-5.37	18.71	18.73	28.73	0.7459
77C	30	70+80	653172	658168	DFT-s 16 QAM	1@133	1@76	-5.44	17.05	17.07	27.07	0.5098
77C	30	70+80	657670	662666	DFT-s QPSK	1@133	1@76	-5.36	18.68	18.70	28.70	0.7408
77C	30	70+80	657670	662666	DFT-s 16 QAM	1@133	1@76	-5.37	16.88	16.91	26.91	0.4904
77C	30	100+40	650000	654648	DFT-s QPSK	1@172	1@0	-5.17	18.38	18.40	28.40	0.6917
77C	30	100+40	650000	654648	DFT-s 16 QAM	1@172	1@0	-5.15	16.64	16.67	26.67	0.4644
77C	30	100+40	654678	659326	DFT-s QPSK	1@172	1@0	-5.35	18.23	18.25	28.25	0.6682
77C	30	100+40	654678	659326	DFT-s 16 QAM	1@172	1@0	-5.29	16.53	16.56	26.56	0.4527
77C	30	100+40	659352	664000	DFT-s QPSK	1@172	1@0	-5.11	18.58	18.60	28.60	0.7242
77C	30	100+40	659352	664000	DFT-s 16 QAM	1@172	1@0	-5.04	16.69	16.72	26.72	0.4698
77C	30	40+100	648000	652648	DFT-s QPSK	1@105	1@105	-5.1	18.61	18.63	28.63	0.7292
77C	30	40+100	648000	652648	DFT-s 16 QAM	1@105	1@105	-5.17	16.81	16.84	26.84	0.4828
77C	30	40+100	652680	657328	DFT-s QPSK	1@105	1@105	-5.27	18.56	18.58	28.58	0.7208
77C	30	40+100	652680	657328	DFT-s 16 QAM	1@105	1@105	-5.28	16.76	16.79	26.79	0.4772
77C	30	40+100	657352	662000	DFT-s QPSK	1@105	1@105	-5.24	18.32	18.34	28.34	0.6822
77C	30	40+100	657352	662000	DFT-s 16 QAM	1@105	1@105	-5.19	16.48	16.51	26.51	0.4477
77C	30	90+50	649668	654324	DFT-s QPSK	1@124	1@2	-5.38	18.19	18.21	28.21	0.6621
77C	30	90+50	649668	654324	DFT-s 16 QAM	1@124	1@2	-5.31	16.5	16.53	26.53	0.4496
77C	30	90+50	654342	658998	DFT-s QPSK	1@124	1@2	-5.29	18.2	18.22	28.22	0.6637
77C	30	90+50	654342	658998	DFT-s 16 QAM	1@124	1@2	-5.31	16.44	16.47	26.47	0.4435
77C	30	90+50	659010	663666	DFT-s QPSK	1@124	1@2	-5.24	18.29	18.31	28.31	0.6775
77C	30	90+50	659010	663666	DFT-s 16 QAM	1@124	1@2	-5.3	16.36	16.39	26.39	0.4355
77C	30	50+90	648334	652990	DFT-s QPSK	1@123	1@113	-5.19	18.04	18.06	28.06	0.6398
77C	30	50+90	648334	652990	DFT-s 16 QAM	1@123	1@113	-5.24	16.32	16.35	26.35	0.4315
77C	30	50+90	653010	657666	DFT-s QPSK	1@123	1@113	-5.38	17.74	17.76	27.76	0.5972
77C	30	50+90	653010	657666	DFT-s 16 QAM	1@123	1@113	-5.4	15.91	15.94	25.94	0.3928
77C	30	50+90	657676	662332	DFT-s QPSK	1@123	1@113	-5.12	17.91	17.93	27.93	0.6211
77C	30	50+90	657676	662332	DFT-s 16 QAM	1@123	1@113	-5.21	15.97	16.00	26.00	0.3984
77C	30	80+60	649334	653994	DFT-s QPSK	1@124	1@30	-5.11	17.9	17.92	27.92	0.6197
77C	30	80+60	649334	653994	DFT-s 16 QAM	1@124	1@30	-5.21	15.95	15.98	25.98	0.3966



77C	30	80+60	654006	658666	DFT-s QPSK	1@124	1@30	-5.33	17.85	17.87	27.87	0.6125
77C	30	80+60	654006	658666	DFT-s 16 QAM	1@124	1@30	-5.27	16.06	16.09	26.09	0.4066
77C	30	80+60	658672	663332	DFT-s QPSK	1@124	1@30	-5.4	17.87	17.89	27.89	0.6152
77C	30	80+60	658672	663332	DFT-s 16 QAM	1@124	1@30	-5.44	16.18	16.21	26.21	0.4178
77C	30	60+80	648668	653328	DFT-s QPSK	1@124	1@86	-5.4	18.09	18.11	28.11	0.6471
77C	30	60+80	648668	653328	DFT-s 16 QAM	1@124	1@86	-5.33	16.33	16.36	26.36	0.4325
77C	30	60+80	653340	658000	DFT-s QPSK	1@124	1@86	-5.29	18.28	18.30	28.30	0.6759
77C	30	60+80	653340	658000	DFT-s 16 QAM	1@124	1@86	-5.23	16.35	16.38	26.38	0.4345
77C	30	60+80	658006	662666	DFT-s QPSK	1@124	1@86	-5.26	18.48	18.50	28.50	0.7077
77C	30	60+80	658006	662666	DFT-s 16 QAM	1@124	1@86	-5.23	16.56	16.59	26.59	0.4559
77C	30	70+70	648668	653332	DFT-s QPSK	1@124	1@57	-5.18	18.34	18.36	28.36	0.6854
77C	30	70+70	648668	653332	DFT-s 16 QAM	1@124	1@57	-5.26	16.68	16.71	26.71	0.4686
77C	30	70+70	653502	658166	DFT-s QPSK	1@124	1@57	-5.37	18.49	18.51	28.51	0.7092
77C	30	70+70	653502	658166	DFT-s 16 QAM	1@124	1@57	-5.29	16.76	16.79	26.79	0.4772
77C	30	70+70	658336	663000	DFT-s QPSK	1@124	1@57	-5.24	18.56	18.58	28.58	0.7208
77C	30	70+70	658336	663000	DFT-s 16 QAM	1@124	1@57	-5.29	16.87	16.90	26.90	0.4894
77C	30	100+30	650000	654326	DFT-s QPSK	1@201	1@0	-5.3	18.72	18.74	28.74	0.7477
77C	30	100+30	650000	654326	DFT-s 16 QAM	1@201	1@0	-5.27	16.96	16.99	26.99	0.4996
77C	30	100+30	655008	659334	DFT-s QPSK	1@201	1@0	-5.2	18.94	18.96	28.96	0.7864
77C	30	100+30	655008	659334	DFT-s 16 QAM	1@201	1@0	-5.26	17.01	17.04	27.04	0.5053
77C	30	100+30	660006	664332	DFT-s QPSK	1@201	1@0	-5.39	18.96	18.98	28.98	0.7899
77C	30	100+30	660006	664332	DFT-s 16 QAM	1@201	1@0	-5.44	17.26	17.28	27.28	0.5350
77C	30	30+100	647668	651994	DFT-s QPSK	1@77	1@75	-5.18	18.49	18.51	28.51	0.7094
77C	30	30+100	647668	651994	DFT-s 16 QAM	1@77	1@75	-5.28	16.66	16.69	26.69	0.4664
77C	30	30+100	652674	657000	DFT-s QPSK	1@77	1@75	-5.33	18.5	18.52	28.52	0.7109
77C	30	30+100	652674	657000	DFT-s 16 QAM	1@77	1@75	-5.23	16.8	16.83	26.83	0.4816
77C	30	30+100	657674	662000	DFT-s QPSK	1@77	1@75	-5.26	18.39	18.41	28.41	0.6932
77C	30	30+100	657674	662000	DFT-s 16 QAM	1@77	1@75	-5.27	16.69	16.72	26.72	0.4696
77C	30	90+40	649668	653988	DFT-s QPSK	1@145	1@0	-5.31	18.02	18.04	28.04	0.6368
77C	30	90+40	649668	653988	DFT-s 16 QAM	1@145	1@0	-5.33	16.11	16.14	26.14	0.4113
77C	30	90+40	654678	658998	DFT-s QPSK	1@145	1@0	-5.16	18.27	18.29	28.29	0.6745
77C	30	90+40	654678	658998	DFT-s 16 QAM	1@145	1@0	-5.14	16.34	16.37	26.37	0.4336
77C	30	90+40	659680	664000	DFT-s QPSK	1@145	1@0	-5.3	18.18	18.20	28.20	0.6606
77C	30	90+40	659680	664000	DFT-s 16 QAM	1@145	1@0	-5.3	16.46	16.49	26.49	0.4455
77C	30	40+90	648000	652320	DFT-s QPSK	1@105	1@104	-5.2	18.36	18.38	28.38	0.6885
77C	30	40+90	648000	652320	DFT-s 16 QAM	1@105	1@104	-5.15	16.5	16.53	26.53	0.4497
77C	30	40+90	653010	657330	DFT-s QPSK	1@105	1@104	-5.28	18.79	18.81	28.81	0.7598



77C	30	40+90	653010	657330	DFT-s 16 QAM	1@105	1@104	-5.34	16.95	16.98	26.98	0.4984
77C	30	40+90	658012	662332	DFT-s QPSK	1@105	1@104	-5.26	18.43	18.45	28.45	0.6996
77C	30	40+90	658012	662332	DFT-s 16 QAM	1@105	1@104	-5.31	16.68	16.71	26.71	0.4685
77C	30	80+50	649334	653658	DFT-s QPSK	1@115	1@12	-5.37	18.23	18.25	28.25	0.6682
77C	30	80+50	649334	653658	DFT-s 16 QAM	1@115	1@12	-5.41	16.32	16.35	26.35	0.4314
77C	30	80+50	654342	658666	DFT-s QPSK	1@115	1@12	-5.31	18.2	18.22	28.22	0.6636
77C	30	80+50	654342	658666	DFT-s 16 QAM	1@115	1@12	-5.3	16.49	16.52	26.52	0.4486
77C	30	80+50	659342	663666	DFT-s QPSK	1@115	1@12	-5.37	18.35	18.37	28.37	0.6868
77C	30	80+50	659342	663666	DFT-s 16 QAM	1@115	1@12	-5.27	16.44	16.47	26.47	0.4435
77C	30	50+80	648334	652658	DFT-s QPSK	1@114	1@94	-5.13	18.29	18.31	28.31	0.6776
77C	30	50+80	648334	652658	DFT-s 16 QAM	1@114	1@94	-5.18	16.34	16.37	26.37	0.4336
77C	30	50+80	653340	657664	DFT-s QPSK	1@114	1@94	-5.36	18.65	18.67	28.67	0.7357
77C	30	50+80	653340	657664	DFT-s 16 QAM	1@114	1@94	-5.28	16.85	16.88	26.88	0.4871
77C	30	50+80	658342	662666	DFT-s QPSK	1@114	1@94	-5.34	18.49	18.51	28.51	0.7092
77C	30	50+80	658342	662666	DFT-s 16 QAM	1@114	1@94	-5.32	16.66	16.69	26.69	0.4664
77C	30	70+60	648668	652992	DFT-s QPSK	1@114	1@39	-5.22	18.21	18.23	28.23	0.6652
77C	30	70+60	648668	652992	DFT-s 16 QAM	1@114	1@39	-5.26	16.41	16.44	26.44	0.4405
77C	30	70+60	653838	658162	DFT-s QPSK	1@114	1@39	-5.17	18.38	18.40	28.40	0.6917
77C	30	70+60	653838	658162	DFT-s 16 QAM	1@114	1@39	-5.16	16.47	16.50	26.50	0.4467
77C	30	70+60	659008	663332	DFT-s QPSK	1@114	1@39	-5.32	17.91	17.93	27.93	0.6210
77C	30	70+60	659008	663332	DFT-s 16 QAM	1@114	1@39	-5.36	16.07	16.10	26.10	0.4075
77C	30	60+70	648668	652992	DFT-s QPSK	1@114	1@66	-5.22	18.18	18.20	28.20	0.6607
77C	30	60+70	648668	652992	DFT-s 16 QAM	1@114	1@66	-5.3	16.24	16.27	26.27	0.4237
77C	30	60+70	653676	658000	DFT-s QPSK	1@114	1@66	-5.12	18.51	18.53	28.53	0.7127
77C	30	60+70	653676	658000	DFT-s 16 QAM	1@114	1@66	-5.14	16.75	16.78	26.78	0.4762
77C	30	60+70	658676	663000	DFT-s QPSK	1@114	1@66	-5.37	18.2	18.22	28.22	0.6636
77C	30	60+70	658676	663000	DFT-s 16 QAM	1@114	1@66	-5.34	16.39	16.42	26.42	0.4384
77C	30	100+25	650000	654160	DFT-s QPSK	1@216	1@0	-5.14	18.47	18.49	28.49	0.7061
77C	30	100+25	650000	654160	DFT-s 16 QAM	1@216	1@0	-5.17	16.62	16.65	26.65	0.4622
77C	30	100+25	655170	659330	DFT-s QPSK	1@216	1@0	-5.31	18.86	18.88	28.88	0.7721
77C	30	100+25	655170	659330	DFT-s 16 QAM	1@216	1@0	-5.4	17.03	17.05	27.05	0.5075
77C	30	100+25	660304	664500	DFT-s QPSK	1@216	1@0	-5.37	18.81	18.83	28.83	0.7632
77C	30	100+25	660304	664500	DFT-s 16 QAM	1@216	1@0	-5.44	17.13	17.15	27.15	0.5193
77C	30	25+100	647500	651660	DFT-s QPSK	1@64	1@62	-5.29	18.05	18.07	28.07	0.6412
77C	30	25+100	647500	651660	DFT-s 16 QAM	1@64	1@62	-5.39	16.23	16.26	26.26	0.4226
77C	30	25+100	652674	656834	DFT-s QPSK	1@64	1@62	-5.37	18.21	18.23	28.23	0.6651
77C	30	25+100	652674	656834	DFT-s 16 QAM	1@64	1@62	-5.28	16.34	16.37	26.37	0.4335



77C	30	25+100	657840	662000	DFT-s QPSK	1@64	1@62	-5.22	18.01	18.03	28.03	0.6354
77C	30	25+100	657840	662000	DFT-s 16 QAM	1@64	1@62	-5.15	16.35	16.38	26.38	0.4346
77C	30	100+20	650000	653996	DFT-s QPSK	1@229	1@0	-5.37	18.64	18.66	28.66	0.7340
77C	30	100+20	650000	653996	DFT-s 16 QAM	1@229	1@0	-5.45	16.89	16.92	26.92	0.4915
77C	30	100+20	655338	659334	DFT-s QPSK	1@229	1@0	-5.3	18.58	18.60	28.60	0.7241
77C	30	100+20	655338	659334	DFT-s 16 QAM	1@229	1@0	-5.4	16.87	16.90	26.90	0.4893
77C	30	100+20	660670	664666	DFT-s QPSK	1@229	1@0	-5.11	19.07	19.09	29.09	0.8103
77C	30	100+20	660670	664666	DFT-s 16 QAM	1@229	1@0	-5.11	17.16	17.19	27.19	0.5231
77C	30	20+100	647334	651330	DFT-s QPSK	1@50	1@48	-5.17	18.28	18.30	28.30	0.6760
77C	30	20+100	647334	651330	DFT-s 16 QAM	1@50	1@48	-5.1	16.59	16.62	26.62	0.4591
77C	30	20+100	652674	656670	DFT-s QPSK	1@50	1@48	-5.18	18.12	18.14	28.14	0.6517
77C	30	20+100	652674	656670	DFT-s 16 QAM	1@50	1@48	-5.24	16.43	16.46	26.46	0.4425
77C	30	20+100	658004	662000	DFT-s QPSK	1@50	1@48	-5.39	18.04	18.06	28.06	0.6397
77C	30	20+100	658004	662000	DFT-s 16 QAM	1@50	1@48	-5.49	16.39	16.42	26.42	0.4383
77C	30	90+30	649668	653660	DFT-s QPSK	1@173	1@0	-5.29	18.4	18.42	28.42	0.6948
77C	30	90+30	649668	653660	DFT-s 16 QAM	1@173	1@0	-5.32	16.72	16.75	26.75	0.4728
77C	30	90+30	655008	659000	DFT-s QPSK	1@173	1@0	-5.28	18.75	18.77	28.77	0.7529
77C	30	90+30	655008	659000	DFT-s 16 QAM	1@173	1@0	-5.19	16.84	16.87	26.87	0.4861
77C	30	90+30	660340	664332	DFT-s QPSK	1@173	1@0	-5.18	18.58	18.60	28.60	0.7241
77C	30	90+30	660340	664332	DFT-s 16 QAM	1@173	1@0	-5.19	16.82	16.85	26.85	0.4839
77C	30	30+90	647668	651660	DFT-s QPSK	1@77	1@75	-5.12	18.31	18.33	28.33	0.6807
77C	30	30+90	647668	651660	DFT-s 16 QAM	1@77	1@75	-5.16	16.65	16.68	26.68	0.4654
77C	30	30+90	653004	656996	DFT-s QPSK	1@77	1@75	-5.4	18.23	18.25	28.25	0.6682
77C	30	30+90	653004	656996	DFT-s 16 QAM	1@77	1@75	-5.38	16.52	16.55	26.55	0.4516
77C	30	30+90	658340	662332	DFT-s QPSK	1@77	1@75	-5.32	18.14	18.16	28.16	0.6546
77C	30	30+90	658340	662332	DFT-s 16 QAM	1@77	1@75	-5.32	16.47	16.50	26.50	0.4465
77C	30	80+40	649334	653322	DFT-s QPSK	1@117	1@0	-5.4	17.55	17.57	27.57	0.5717
77C	30	80+40	649334	653322	DFT-s 16 QAM	1@117	1@0	-5.44	15.8	15.83	25.83	0.3830
77C	30	80+40	654678	658666	DFT-s QPSK	1@117	1@0	-5.36	17.82	17.84	27.84	0.6083
77C	30	80+40	654678	658666	DFT-s 16 QAM	1@117	1@0	-5.39	15.97	16.00	26.00	0.3983
77C	30	80+40	660012	664000	DFT-s QPSK	1@117	1@0	-5.13	17.41	17.43	27.43	0.5539
77C	30	80+40	660012	664000	DFT-s 16 QAM	1@117	1@0	-5.08	15.75	15.79	25.79	0.3789
77C	30	40+80	648000	651988	DFT-s QPSK	1@105	1@104	-5.29	17.88	17.90	27.90	0.6167
77C	30	40+80	648000	651988	DFT-s 16 QAM	1@105	1@104	-5.32	16.21	16.24	26.24	0.4208
77C	30	40+80	653340	657328	DFT-s QPSK	1@105	1@104	-5.22	17.76	17.78	27.78	0.6000
77C	30	40+80	653340	657328	DFT-s 16 QAM	1@105	1@104	-5.21	16.1	16.13	26.13	0.4104
77C	30	40+80	658678	662666	DFT-s QPSK	1@105	1@104	-5.3	17.91	17.93	27.93	0.6210



77C	30	40+80	658678	662666	DFT-s 16 QAM	1@105	1@104	-5.38	16.26	16.29	26.29	0.4256
77C	30	70+50	648668	652660	DFT-s QPSK	1@105	1@22	-5.14	17.68	17.70	27.70	0.5892
77C	30	70+50	648668	652660	DFT-s 16 QAM	1@105	1@22	-5.05	15.9	15.93	25.93	0.3922
77C	30	70+50	654174	658166	DFT-s QPSK	1@105	1@22	-5.2	17.83	17.85	27.85	0.6098
77C	30	70+50	654174	658166	DFT-s 16 QAM	1@105	1@22	-5.16	16.11	16.14	26.14	0.4114
77C	30	70+50	659674	663666	DFT-s QPSK	1@105	1@22	-5.22	17.73	17.75	27.75	0.5959
77C	30	70+50	659674	663666	DFT-s 16 QAM	1@105	1@22	-5.3	15.92	15.95	25.95	0.3938
77C	30	50+70	648334	652326	DFT-s QPSK	1@105	1@76	-5.15	17.93	17.95	27.95	0.6239
77C	30	50+70	648334	652326	DFT-s 16 QAM	1@105	1@76	-5.1	16.06	16.09	26.09	0.4067
77C	30	50+70	653676	657668	DFT-s QPSK	1@105	1@76	-5.28	17.87	17.89	27.89	0.6153
77C	30	50+70	653676	657668	DFT-s 16 QAM	1@105	1@76	-5.26	16.06	16.09	26.09	0.4066
77C	30	50+70	659008	663000	DFT-s QPSK	1@105	1@76	-5.35	17.76	17.78	27.78	0.6000
77C	30	50+70	659008	663000	DFT-s 16 QAM	1@105	1@76	-5.34	15.92	15.95	25.95	0.3938
77C	30	60+60	648668	652668	DFT-s QPSK	1@105	1@47	-5.21	17.78	17.80	27.80	0.6028
77C	30	60+60	648668	652668	DFT-s 16 QAM	1@105	1@47	-5.25	16.03	16.06	26.06	0.4039
77C	30	60+60	654000	658000	DFT-s QPSK	1@105	1@47	-5.29	17.92	17.94	27.94	0.6224
77C	30	60+60	654000	658000	DFT-s 16 QAM	1@105	1@47	-5.27	16.13	16.16	26.16	0.4132
77C	30	60+60	659332	663332	DFT-s QPSK	1@105	1@47	-5.2	17.71	17.73	27.73	0.5932
77C	30	60+60	659332	663332	DFT-s 16 QAM	1@105	1@47	-5.25	15.84	15.87	25.87	0.3867
77C	30	100+15	650000	653808	DFT-s QPSK	1@240	1@0	-5.2	18.27	18.29	28.29	0.6744
77C	30	100+15	650000	653808	DFT-s 16 QAM	1@240	1@0	-5.11	16.35	16.38	26.38	0.4346
77C	30	100+15	655512	659320	DFT-s QPSK	1@240	1@0	-5.18	18.04	18.06	28.06	0.6398
77C	30	100+15	655512	659320	DFT-s 16 QAM	1@240	1@0	-5.13	16.38	16.41	26.41	0.4376
77C	30	100+15	661024	664832	DFT-s QPSK	1@240	1@0	-5.16	18.22	18.24	28.24	0.6668
77C	30	100+15	661024	664832	DFT-s 16 QAM	1@240	1@0	-5.21	16.35	16.38	26.38	0.4345
77C	30	15+100	647168	650976	DFT-s QPSK	1@37	1@36	-5.29	17.52	17.54	27.54	0.5679
77C	30	15+100	647168	650976	DFT-s 16 QAM	1@37	1@36	-5.22	15.76	15.79	25.79	0.3797
77C	30	15+100	652680	656488	DFT-s QPSK	1@37	1@36	-5.39	17.54	17.56	27.56	0.5704
77C	30	15+100	652680	656488	DFT-s 16 QAM	1@37	1@36	-5.44	15.79	15.82	25.82	0.3822
77C	30	15+100	658192	662000	DFT-s QPSK	1@37	1@36	-5.39	17.45	17.47	27.47	0.5588
77C	30	15+100	658192	662000	DFT-s 16 QAM	1@37	1@36	-5.32	15.73	15.76	25.76	0.3770
77C	30	90+25	649668	653492	DFT-s QPSK	1@187	1@0	-5.3	18.71	18.73	28.73	0.7460
77C	30	90+25	649668	653492	DFT-s 16 QAM	1@187	1@0	-5.25	16.77	16.80	26.80	0.4783
77C	30	90+25	655176	659000	DFT-s QPSK	1@187	1@0	-5.19	18.55	18.57	28.57	0.7192
77C	30	90+25	655176	659000	DFT-s 16 QAM	1@187	1@0	-5.09	16.77	16.80	26.80	0.4784
77C	30	90+25	660676	664500	DFT-s QPSK	1@187	1@0	-5.39	18.54	18.56	28.56	0.7174
77C	30	90+25	660676	664500	DFT-s 16 QAM	1@187	1@0	-5.44	16.71	16.74	26.74	0.4717



77C	30	25+90	647500	651324	DFT-s QPSK	1@64	1@62	-5.17	17.94	17.96	27.96	0.6253
77C	30	25+90	647500	651324	DFT-s 16 QAM	1@64	1@62	-5.22	16.14	16.17	26.17	0.4142
77C	30	25+90	653004	656828	DFT-s QPSK	1@64	1@62	-5.26	18	18.02	28.02	0.6339
77C	30	25+90	653004	656828	DFT-s 16 QAM	1@64	1@62	-5.26	16.35	16.38	26.38	0.4345
77C	30	25+90	658508	662332	DFT-s QPSK	1@64	1@62	-5.26	17.86	17.88	27.88	0.6139
77C	30	25+90	658508	662332	DFT-s 16 QAM	1@64	1@62	-5.23	16.05	16.08	26.08	0.4057
77C	30	100+10	650000	653640	DFT-s QPSK	1@254	1@0	-5.15	18.56	18.58	28.58	0.7208
77C	30	100+10	650000	653640	DFT-s 16 QAM	1@254	1@0	-5.14	16.81	16.84	26.84	0.4828
77C	30	100+10	655680	659320	DFT-s QPSK	1@254	1@0	-5.25	18.52	18.54	28.54	0.7142
77C	30	100+10	655680	659320	DFT-s 16 QAM	1@254	1@0	-5.26	16.66	16.69	26.69	0.4664
77C	30	100+10	661360	665000	DFT-s QPSK	1@254	1@0	-5.34	18.49	18.51	28.51	0.7092
77C	30	100+10	661360	665000	DFT-s 16 QAM	1@254	1@0	-5.28	16.58	16.61	26.61	0.4580
77C	30	10+100	647000	650640	DFT-s QPSK	1@23	1@22	-5.4	15.77	15.80	25.80	0.3805
77C	30	10+100	647000	650640	DFT-s 16 QAM	1@23	1@22	-5.37	13.91	13.96	23.96	0.2489
77C	30	10+100	652680	656320	DFT-s QPSK	1@23	1@22	-5.11	15.92	15.95	25.95	0.3939
77C	30	10+100	652680	656320	DFT-s 16 QAM	1@23	1@22	-5.21	14.21	14.26	24.26	0.2666
77C	30	10+100	658360	662000	DFT-s QPSK	1@23	1@22	-5.11	15.66	15.70	25.70	0.3712
77C	30	10+100	658360	662000	DFT-s 16 QAM	1@23	1@22	-5.17	13.91	13.96	23.96	0.2491
77C	30	90+20	649668	653328	DFT-s QPSK	1@202	1@0	-5.4	18.59	18.61	28.61	0.7257
77C	30	90+20	649668	653328	DFT-s 16 QAM	1@202	1@0	-5.31	16.7	16.73	26.73	0.4707
77C	30	90+20	655338	658998	DFT-s QPSK	1@202	1@0	-5.37	18.55	18.57	28.57	0.7190
77C	30	90+20	655338	658998	DFT-s 16 QAM	1@202	1@0	-5.38	16.82	16.85	26.85	0.4837
77C	30	90+20	661006	664666	DFT-s QPSK	1@202	1@0	-5.33	18.48	18.50	28.50	0.7076
77C	30	90+20	661006	664666	DFT-s 16 QAM	1@202	1@0	-5.26	16.83	16.86	26.86	0.4849
77C	30	20+90	647334	650994	DFT-s QPSK	1@50	1@48	-5.3	17.93	17.95	27.95	0.6238
77C	30	20+90	647334	650994	DFT-s 16 QAM	1@50	1@48	-5.23	16.13	16.16	26.16	0.4132
77C	30	20+90	653004	656664	DFT-s QPSK	1@50	1@48	-5.18	18.01	18.03	28.03	0.6354
77C	30	20+90	653004	656664	DFT-s 16 QAM	1@50	1@48	-5.18	16.1	16.13	26.13	0.4104
77C	30	20+90	658672	662332	DFT-s QPSK	1@50	1@48	-5.11	17.82	17.84	27.84	0.6084
77C	30	20+90	658672	662332	DFT-s 16 QAM	1@50	1@48	-5.02	15.97	16.00	26.00	0.3985
77C	30	80+30	649334	652990	DFT-s QPSK	1@144	1@0	-5.2	14.47	14.52	24.52	0.2829
77C	30	80+30	649334	652990	DFT-s 16 QAM	1@144	1@0	-5.28	12.78	12.85	22.85	0.1926
77C	30	80+30	655008	658664	DFT-s QPSK	1@144	1@0	-5.24	18.57	18.59	28.59	0.7224
77C	30	80+30	655008	658664	DFT-s 16 QAM	1@144	1@0	-5.18	16.91	16.94	26.94	0.4939
77C	30	80+30	660676	664332	DFT-s QPSK	1@144	1@0	-5.29	18.38	18.40	28.40	0.6916
77C	30	80+30	660676	664332	DFT-s 16 QAM	1@144	1@0	-5.35	16.65	16.68	26.68	0.4653
77C	30	30+80	647668	651324	DFT-s QPSK	1@77	1@75	-5.37	16.85	16.88	26.88	0.4871



77C	30	30+80	647668	651324	DFT-s 16 QAM	1@77	1@75	-5.27	15.05	15.09	25.09	0.3229
77C	30	30+80	653340	656996	DFT-s QPSK	1@77	1@75	-5.19	17.88	17.90	27.90	0.6168
77C	30	30+80	653340	656996	DFT-s 16 QAM	1@77	1@75	-5.15	16.17	16.20	26.20	0.4171
77C	30	30+80	659010	662666	DFT-s QPSK	1@77	1@75	-5.15	17.78	17.80	27.80	0.6028
77C	30	30+80	659010	662666	DFT-s 16 QAM	1@77	1@75	-5.07	15.86	15.89	25.89	0.3886
77C	30	70+40	648668	652324	DFT-s QPSK	1@96	1@3	-5.31	17.59	17.61	27.61	0.5771
77C	30	70+40	648668	652324	DFT-s 16 QAM	1@96	1@3	-5.4	15.81	15.84	25.84	0.3839
77C	30	70+40	654510	658166	DFT-s QPSK	1@96	1@3	-5.29	13.08	13.14	23.14	0.2062
77C	30	70+40	654510	658166	DFT-s 16 QAM	1@96	1@3	-5.26	11.41	11.50	21.50	0.1413
77C	30	70+40	660344	664000	DFT-s QPSK	1@96	1@3	-5.11	17.53	17.55	27.55	0.5693
77C	30	70+40	660344	664000	DFT-s 16 QAM	1@96	1@3	-5.21	15.86	15.89	25.89	0.3885
77C	30	40+70	648000	651656	DFT-s QPSK	1@96	1@86	-5.26	17.95	17.97	27.97	0.6267
77C	30	40+70	648000	651656	DFT-s 16 QAM	1@96	1@86	-5.29	16.09	16.12	26.12	0.4094
77C	30	40+70	653676	657332	DFT-s QPSK	1@96	1@86	-5.35	17.16	17.18	27.18	0.5229
77C	30	40+70	653676	657332	DFT-s 16 QAM	1@96	1@86	-5.32	15.26	15.30	25.30	0.3387
77C	30	40+70	659344	663000	DFT-s QPSK	1@96	1@86	-5.14	17.9	17.92	27.92	0.6197
77C	30	40+70	659344	663000	DFT-s 16 QAM	1@96	1@86	-5.12	16.19	16.22	26.22	0.4190
77C	30	60+50	648668	652320	DFT-s QPSK	1@96	1@31	-5.38	17.81	17.83	27.83	0.6068
77C	30	60+50	648668	652320	DFT-s 16 QAM	1@96	1@31	-5.48	16.08	16.11	26.11	0.4083
77C	30	60+50	654342	657994	DFT-s QPSK	1@96	1@31	-5.34	18.09	18.11	28.11	0.6471
77C	30	60+50	654342	657994	DFT-s 16 QAM	1@96	1@31	-5.26	16.23	16.26	26.26	0.4227
77C	30	60+50	660014	663666	DFT-s QPSK	1@96	1@31	-5.13	17.74	17.76	27.76	0.5974
77C	30	60+50	660014	663666	DFT-s 16 QAM	1@96	1@31	-5.19	15.92	15.95	25.95	0.3939
77C	30	50+60	648334	651986	DFT-s QPSK	1@96	1@58	-5.31	17.95	17.97	27.97	0.6267
77C	30	50+60	648334	651986	DFT-s 16 QAM	1@96	1@58	-5.21	16.2	16.23	26.23	0.4199
77C	30	50+60	654012	657664	DFT-s QPSK	1@96	1@58	-5.37	17.81	17.83	27.83	0.6069
77C	30	50+60	654012	657664	DFT-s 16 QAM	1@96	1@58	-5.45	15.95	15.98	25.98	0.3964
77C	30	50+60	659680	663332	DFT-s QPSK	1@96	1@58	-5.18	18.37	18.39	28.39	0.6901
77C	30	50+60	659680	663332	DFT-s 16 QAM	1@96	1@58	-5.2	16.44	16.47	26.47	0.4436
77C	30	90+15	649668	653140	DFT-s QPSK	1@243	1@36	-5.4	18.38	18.40	28.40	0.6915
77C	30	90+15	649668	653140	DFT-s 16 QAM	1@243	1@36	-5.39	16.51	16.54	26.54	0.4506
77C	30	90+15	655518	658990	DFT-s QPSK	1@243	1@36	-5.23	18.09	18.11	28.11	0.6472
77C	30	90+15	655518	658990	DFT-s 16 QAM	1@243	1@36	-5.21	16.27	16.30	26.30	0.4267
77C	30	90+15	661360	664832	DFT-s QPSK	1@243	1@36	-5.15	18.28	18.30	28.30	0.6760
77C	30	90+15	661360	664832	DFT-s 16 QAM	1@243	1@36	-5.14	16.63	16.66	26.66	0.4633
77C	30	15+90	647168	650640	DFT-s QPSK	1@37	1@36	-5.2	17.53	17.55	27.55	0.5693
77C	30	15+90	647168	650640	DFT-s 16 QAM	1@37	1@36	-5.27	15.64	15.68	25.68	0.3694



77C	30	15+90	653016	656488	DFT-s QPSK	1@37	1@36	-5.16	17.77	17.79	27.79	0.6015
77C	30	15+90	653016	656488	DFT-s 16 QAM	1@37	1@36	-5.2	16.09	16.12	26.12	0.4095
77C	30	15+90	658860	662332	DFT-s QPSK	1@37	1@36	-5.37	17.7	17.72	27.72	0.5917
77C	30	15+90	658860	662332	DFT-s 16 QAM	1@37	1@36	-5.42	15.75	15.78	25.78	0.3787
77C	30	80+25	649334	652822	DFT-s QPSK	1@215	1@63	-5.29	18.35	18.37	28.37	0.6869
77C	30	80+25	649334	652822	DFT-s 16 QAM	1@215	1@63	-5.36	16.47	16.50	26.50	0.4465
77C	30	80+25	655176	658664	DFT-s QPSK	1@215	1@63	-5.26	18.57	18.59	28.59	0.7224
77C	30	80+25	655176	658664	DFT-s 16 QAM	1@215	1@63	-5.32	16.7	16.73	26.73	0.4707
77C	30	80+25	661012	664500	DFT-s QPSK	1@215	1@63	-5.16	18.64	18.66	28.66	0.7342
77C	30	80+25	661012	664500	DFT-s 16 QAM	1@215	1@63	-5.23	16.95	16.98	26.98	0.4984
77C	30	25+80	647500	650988	DFT-s QPSK	1@63	1@60	-5.13	17.95	17.97	27.97	0.6268
77C	30	25+80	647500	650988	DFT-s 16 QAM	1@63	1@60	-5.21	16.3	16.33	26.33	0.4296
77C	30	25+80	653340	656828	DFT-s QPSK	1@63	1@60	-5.15	17.97	17.99	27.99	0.6297
77C	30	25+80	653340	656828	DFT-s 16 QAM	1@63	1@60	-5.08	16.31	16.34	26.34	0.4307
77C	30	25+80	659178	662666	DFT-s QPSK	1@63	1@60	-5.11	17.77	17.79	27.79	0.6015
77C	30	25+80	659178	662666	DFT-s 16 QAM	1@63	1@60	-5.18	16.1	16.13	26.13	0.4104



<PCC/SCC Average Power>

C	SCS	Bandwidth	PCC Arfcn	SCC Arfcn	Modulation	PCC RB	SCC RB	PCC Power(dBm)	SCC Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
Band	(kHz)	(MHz)										
77C	30	100+100	650000	656664	DFT-s BPSK	135@138	135@0	17.58	16.68	20.16	30.16	1.0384
77C	30	100+100	650000	656664	DFT-s BPSK	1@181	1@87	15.35	15.96	18.68	28.68	0.7372
77C	30	100+100	650000	656664	DFT-s QPSK	135@138	135@0	17.65	16.75	20.23	30.23	1.0553
77C	30	100+100	650000	656664	DFT-s QPSK	1@181	1@87	15.23	15.73	18.50	28.50	0.7075
77C	30	100+100	650000	656664	DFT-s 16 QAM	135@138	135@0	17.64	16.7	20.21	30.21	1.0485
77C	30	100+100	650000	656664	DFT-s 16 QAM	1@181	1@87	13.38	13.27	16.34	26.34	0.4301
77C	30	100+100	650000	656664	DFT-s 64 QAM	135@138	135@0	14.78	14.91	17.86	27.86	0.6103
77C	30	100+100	650000	656664	DFT-s 64 QAM	1@181	1@87	13.35	13.27	16.32	26.32	0.4286
77C	30	100+100	650000	656664	DFT-s 256 QAM	135@138	135@0	12.34	12.17	15.27	25.27	0.3362
77C	30	100+100	650000	656664	DFT-s 256 QAM	1@181	1@87	13.17	12.3	15.77	25.77	0.3773
77C	30	100+100	650000	656664	CP-OFDM QPSK	137@136	135@0	16.79	15.75	19.31	29.31	0.8534
77C	30	100+100	650000	656664	CP-OFDM QPSK	1@181	1@87	14.36	15.03	17.72	27.72	0.5913
77C	30	100+100	652668	659332	DFT-s BPSK	135@138	135@0	17.9	16.66	20.33	30.33	1.0800
77C	30	100+100	652668	659332	DFT-s BPSK	1@181	1@87	15.5	15.68	18.60	28.60	0.7246
77C	30	100+100	652668	659332	DFT-s QPSK	135@138	135@0	17.85	16.61	20.28	30.28	1.0677
77C	30	100+100	652668	659332	DFT-s QPSK	1@181	1@87	15.46	15.7	18.59	28.59	0.7231
77C	30	100+100	652668	659332	DFT-s 16 QAM	135@138	135@0	17.84	16.63	20.29	30.29	1.0684
77C	30	100+100	652668	659332	DFT-s 16 QAM	1@181	1@87	12.92	13.09	16.02	26.02	0.3996
77C	30	100+100	652668	659332	DFT-s 64 QAM	135@138	135@0	14.83	14.65	17.75	27.75	0.5958
77C	30	100+100	652668	659332	DFT-s 64 QAM	1@181	1@87	12.85	12.99	15.93	25.93	0.3918
77C	30	100+100	652668	659332	DFT-s 256 QAM	135@138	135@0	12.62	12.84	15.74	25.74	0.3751
77C	30	100+100	652668	659332	DFT-s 256 QAM	1@181	1@87	12.72	12.06	15.41	25.41	0.3478
77C	30	100+100	652668	659332	CP-OFDM QPSK	137@136	135@0	16.86	15.56	19.27	29.27	0.8450
77C	30	100+100	652668	659332	CP-OFDM QPSK	1@181	1@87	14.52	14.62	17.58	27.58	0.5729
77C	30	100+100	655336	662000	DFT-s BPSK	135@138	135@0	17.67	16.57	20.17	30.17	1.0387
77C	30	100+100	655336	662000	DFT-s BPSK	1@181	1@87	15.34	15.61	18.49	28.49	0.7059
77C	30	100+100	655336	662000	DFT-s QPSK	135@138	135@0	17.71	16.64	20.22	30.22	1.0515
77C	30	100+100	655336	662000	DFT-s QPSK	1@181	1@87	15.54	15.89	18.73	28.73	0.7462
77C	30	100+100	655336	662000	DFT-s 16 QAM	135@138	135@0	17.69	16.61	20.19	30.19	1.0456
77C	30	100+100	655336	662000	DFT-s 16 QAM	1@181	1@87	12.86	13.18	16.03	26.03	0.4012
77C	30	100+100	655336	662000	DFT-s 64 QAM	135@138	135@0	14.75	14.7	17.74	27.74	0.5937
77C	30	100+100	655336	662000	DFT-s 64 QAM	1@181	1@87	13.03	13.16	16.11	26.11	0.4079
77C	30	100+100	655336	662000	DFT-s 256 QAM	135@138	135@0	12.8	12.7	15.76	25.76	0.3768
77C	30	100+100	655336	662000	DFT-s 256 QAM	1@181	1@87	12.69	12.03	15.38	25.38	0.3454
77C	30	100+100	655336	662000	CP-OFDM QPSK	137@136	135@0	16.77	15.61	19.24	29.24	0.8393



77C	30	100+100	655336	662000	CP-OFDM QPSK	1@181	1@87	14.43	14.93	17.70	27.70	0.5885
77C	30	100+90	650000	656328	DFT-s QPSK	1@171	1@68	15.3	15.96	18.65	28.65	0.7333
77C	30	100+90	650000	656328	DFT-s 16 QAM	1@171	1@68	13.25	13.74	16.51	26.51	0.4479
77C	30	100+90	653004	659332	DFT-s QPSK	1@171	1@68	15.51	15.74	18.64	28.64	0.7306
77C	30	100+90	653004	659332	DFT-s 16 QAM	1@171	1@68	13.14	13.67	16.42	26.42	0.4389
77C	30	100+90	656004	662332	DFT-s QPSK	1@171	1@68	15.43	15.88	18.67	28.67	0.7364
77C	30	100+90	656004	662332	DFT-s 16 QAM	1@171	1@68	13.09	13.82	16.48	26.48	0.4447
77C	30	90+100	649668	655996	DFT-s QPSK	1@171	1@95	16	16.05	19.04	29.04	0.8008
77C	30	90+100	649668	655996	DFT-s 16 QAM	1@171	1@95	13.79	13.96	16.89	26.89	0.4882
77C	30	90+100	652674	659002	DFT-s QPSK	1@171	1@95	15.69	15.85	18.78	28.78	0.7553
77C	30	90+100	652674	659002	DFT-s 16 QAM	1@171	1@95	13.53	13.47	16.51	26.51	0.4478
77C	30	90+100	655672	662000	DFT-s QPSK	1@171	1@95	15.47	15.95	18.73	28.73	0.7459
77C	30	90+100	655672	662000	DFT-s 16 QAM	1@171	1@95	13.14	13.74	16.46	26.46	0.4427
77C	30	100+80	650000	655992	DFT-s QPSK	1@161	1@48	15.2	15.99	18.62	28.62	0.7283
77C	30	100+80	650000	655992	DFT-s 16 QAM	1@161	1@48	13.04	13.82	16.46	26.46	0.4424
77C	30	100+80	653340	659332	DFT-s QPSK	1@161	1@48	15.52	15.7	18.62	28.62	0.7280
77C	30	100+80	653340	659332	DFT-s 16 QAM	1@161	1@48	13.4	13.65	16.54	26.54	0.4505
77C	30	100+80	656674	662666	DFT-s QPSK	1@161	1@48	15.38	15.8	18.61	28.61	0.7253
77C	30	100+80	656674	662666	DFT-s 16 QAM	1@161	1@48	13.1	13.41	16.27	26.27	0.4235
77C	30	80+100	649334	655326	DFT-s QPSK	1@161	1@104	16.11	16.07	19.10	29.10	0.8129
77C	30	80+100	649334	655326	DFT-s 16 QAM	1@161	1@104	13.71	13.8	16.77	26.77	0.4748
77C	30	80+100	652674	658666	DFT-s QPSK	1@161	1@104	15.32	15.57	18.46	28.46	0.7010
77C	30	80+100	652674	658666	DFT-s 16 QAM	1@161	1@104	13.24	13.52	16.39	26.39	0.4358
77C	30	80+100	656008	662000	DFT-s QPSK	1@161	1@104	15.2	15.7	18.47	28.47	0.7027
77C	30	80+100	656008	662000	DFT-s 16 QAM	1@161	1@104	12.96	13.42	16.21	26.21	0.4175
77C	30	90+90	649668	655668	DFT-s QPSK	1@161	1@76	15.94	16.06	19.01	29.01	0.7963
77C	30	90+90	649668	655668	DFT-s 16 QAM	1@161	1@76	13.67	14.04	16.87	26.87	0.4863
77C	30	90+90	653004	659004	DFT-s QPSK	1@161	1@76	15.62	15.41	18.53	28.53	0.7123
77C	30	90+90	653004	659004	DFT-s 16 QAM	1@161	1@76	13.49	13.27	16.39	26.39	0.4357
77C	30	90+90	656332	662332	DFT-s QPSK	1@161	1@76	15.44	15.57	18.52	28.52	0.7105
77C	30	90+90	656332	662332	DFT-s 16 QAM	1@161	1@76	13.1	13.53	16.33	26.33	0.4296
77C	30	100+70	650000	655656	DFT-s QPSK	1@152	1@30	16.09	16	19.06	29.06	0.8046
77C	30	100+70	650000	655656	DFT-s 16 QAM	1@152	1@30	13.84	13.99	16.93	26.93	0.4927
77C	30	100+70	653676	659332	DFT-s QPSK	1@152	1@30	16.12	16.09	19.12	29.12	0.8157
77C	30	100+70	653676	659332	DFT-s 16 QAM	1@152	1@30	14.1	13.9	17.01	27.01	0.5025
77C	30	100+70	657334	663000	DFT-s QPSK	1@152	1@30	16.1	15.99	19.06	29.06	0.8046
77C	30	100+70	657334	663000	DFT-s 16 QAM	1@152	1@30	14.08	13.65	16.88	26.88	0.4876



77C	30	70+100	648668	654324	DFT-s QPSK	1@152	1@115	15.98	16	19.00	29.00	0.7944
77C	30	70+100	648668	654324	DFT-s 16 QAM	1@152	1@115	13.97	13.61	16.80	26.80	0.4791
77C	30	70+100	652506	658162	DFT-s QPSK	1@152	1@115	16.03	15.97	19.01	29.01	0.7962
77C	30	70+100	652506	658162	DFT-s 16 QAM	1@152	1@115	13.71	13.58	16.66	26.66	0.4630
77C	30	70+100	656344	662000	DFT-s QPSK	1@152	1@115	15.97	15.92	18.96	28.96	0.7862
77C	30	70+100	656344	662000	DFT-s 16 QAM	1@152	1@115	13.73	13.78	16.77	26.77	0.4748
77C	30	90+80	649668	654662	DFT-s QPSK	1@152	1@58	15.97	15.16	18.59	28.59	0.7235
77C	30	90+80	649668	654662	DFT-s 16 QAM	1@152	1@58	13.73	13.16	16.46	26.46	0.4431
77C	30	90+80	653340	659004	DFT-s QPSK	1@152	1@58	15.95	15.17	18.59	28.59	0.7224
77C	30	90+80	653340	659004	DFT-s 16 QAM	1@152	1@58	13.84	13	16.45	26.45	0.4416
77C	30	90+80	657002	662666	DFT-s QPSK	1@152	1@58	15.99	15.21	18.63	28.63	0.7291
77C	30	90+80	657002	662666	DFT-s 16 QAM	1@152	1@58	13.88	13.1	16.52	26.52	0.4485
77C	30	80+90	649334	654998	DFT-s QPSK	1@152	1@86	16.05	16.06	19.07	29.07	0.8064
77C	30	80+90	649334	654998	DFT-s 16 QAM	1@152	1@86	14	13.9	16.96	26.96	0.4967
77C	30	80+90	653004	658668	DFT-s QPSK	1@152	1@86	16.03	15.96	19.01	29.01	0.7953
77C	30	80+90	653004	658668	DFT-s 16 QAM	1@152	1@86	13.63	13.93	16.79	26.79	0.4778
77C	30	80+90	656668	662332	DFT-s QPSK	1@152	1@86	16.07	15.98	19.04	29.04	0.8009
77C	30	80+90	656668	662332	DFT-s 16 QAM	1@152	1@86	13.73	13.83	16.79	26.79	0.4776
77C	30	100+60	650000	655320	DFT-s QPSK	1@143	1@13	14.98	15.56	18.29	28.29	0.6745
77C	30	100+60	650000	655320	DFT-s 16 QAM	1@143	1@13	12.82	13.39	16.12	26.12	0.4097
77C	30	100+60	654006	659326	DFT-s QPSK	1@143	1@13	15.55	15.54	18.56	28.56	0.7170
77C	30	100+60	654006	659326	DFT-s 16 QAM	1@143	1@13	13.36	13.24	16.31	26.31	0.4276
77C	30	100+60	658012	663332	DFT-s QPSK	1@143	1@13	15.67	15.73	18.71	28.71	0.7431
77C	30	100+60	658012	663332	DFT-s 16 QAM	1@143	1@13	13.42	13.71	16.58	26.58	0.4547
77C	30	60+100	648668	653988	DFT-s QPSK	1@142	1@122	15.73	15.1	18.44	28.44	0.6977
77C	30	60+100	648668	653988	DFT-s 16 QAM	1@142	1@122	13.51	12.91	16.23	26.23	0.4198
77C	30	60+100	652674	657994	DFT-s QPSK	1@142	1@122	15.55	15.53	18.55	28.55	0.7162
77C	30	60+100	652674	657994	DFT-s 16 QAM	1@142	1@122	13.46	13.44	16.46	26.46	0.4426
77C	30	60+100	656680	662000	DFT-s QPSK	1@142	1@122	15.49	15.56	18.54	28.54	0.7137
77C	30	60+100	656680	662000	DFT-s 16 QAM	1@142	1@122	13.19	13.23	16.22	26.22	0.4188
77C	30	90+70	649668	654996	DFT-s QPSK	1@143	1@40	15.99	15.11	18.58	28.58	0.7215
77C	30	90+70	649668	654996	DFT-s 16 QAM	1@143	1@40	13.73	12.9	16.35	26.35	0.4310
77C	30	90+70	653670	658998	DFT-s QPSK	1@143	1@40	15.59	15.47	18.54	28.54	0.7146
77C	30	90+70	653670	658998	DFT-s 16 QAM	1@143	1@40	13.4	13.08	16.25	26.25	0.4220
77C	30	90+70	657672	663000	DFT-s QPSK	1@143	1@40	15.64	15.66	18.66	28.66	0.7346
77C	30	90+70	657672	663000	DFT-s 16 QAM	1@143	1@40	13.32	13.6	16.47	26.47	0.4439
77C	30	70+90	648668	653996	DFT-s QPSK	1@142	1@94	15.42	15.66	18.55	28.55	0.7165



77C	30	70+90	648668	653996	DFT-s 16 QAM	1@142	1@94	13.24	13.45	16.36	26.36	0.4322
77C	30	70+90	652836	658164	DFT-s QPSK	1@142	1@94	15.51	15.7	18.62	28.62	0.7272
77C	30	70+90	652836	658164	DFT-s 16 QAM	1@142	1@94	13.15	13.51	16.34	26.34	0.4309
77C	30	70+90	657004	662332	DFT-s QPSK	1@142	1@94	15.7	15.94	18.83	28.83	0.7642
77C	30	70+90	657004	662332	DFT-s 16 QAM	1@142	1@94	13.52	13.64	16.59	26.59	0.4561
77C	30	80+80	649334	654666	DFT-s QPSK	1@143	1@68	15.49	15.66	18.59	28.59	0.7221
77C	30	80+80	649334	654666	DFT-s 16 QAM	1@143	1@68	13.21	13.53	16.38	26.38	0.4348
77C	30	80+80	653334	658666	DFT-s QPSK	1@143	1@68	15.58	15.27	18.44	28.44	0.6979
77C	30	80+80	653334	658666	DFT-s 16 QAM	1@143	1@68	13.3	12.9	16.11	26.11	0.4088
77C	30	80+80	657334	662666	DFT-s QPSK	1@143	1@68	15.35	15.97	18.68	28.68	0.7381
77C	30	80+80	657334	662666	DFT-s 16 QAM	1@143	1@68	13.11	13.83	16.50	26.50	0.4462
77C	30	100+50	650000	654984	DFT-s QPSK	1@147	1@0	14.91	15.61	18.28	28.28	0.6737
77C	30	100+50	650000	654984	DFT-s 16 QAM	1@147	1@0	12.6	13.55	16.11	26.11	0.4084
77C	30	100+50	654342	659326	DFT-s QPSK	1@147	1@0	15.48	15.67	18.59	28.59	0.7222
77C	30	100+50	654342	659326	DFT-s 16 QAM	1@147	1@0	13.34	13.46	16.41	26.41	0.4376
77C	30	100+50	658682	663666	DFT-s QPSK	1@147	1@0	15.34	15.7	18.53	28.53	0.7135
77C	30	100+50	658682	663666	DFT-s 16 QAM	1@147	1@0	13.06	13.7	16.40	26.40	0.4367
77C	30	50+100	648334	653318	DFT-s QPSK	1@132	1@130	15.77	15.07	18.44	28.44	0.6989
77C	30	50+100	648334	653318	DFT-s 16 QAM	1@132	1@130	13.48	13.04	16.28	26.28	0.4242
77C	30	50+100	652680	657664	DFT-s QPSK	1@132	1@130	15.24	15.9	18.59	28.59	0.7232
77C	30	50+100	652680	657664	DFT-s 16 QAM	1@132	1@130	12.98	13.59	16.31	26.31	0.4272
77C	30	50+100	657016	662000	DFT-s QPSK	1@132	1@130	15.92	15.02	18.50	28.50	0.7085
77C	30	50+100	657016	662000	DFT-s 16 QAM	1@132	1@130	13.89	12.88	16.42	26.42	0.4390
77C	30	90+60	649668	654660	DFT-s QPSK	1@133	1@21	14.86	15.64	18.28	28.28	0.6726
77C	30	90+60	649668	654660	DFT-s 16 QAM	1@133	1@21	12.71	13.57	16.17	26.17	0.4141
77C	30	90+60	654006	658998	DFT-s QPSK	1@133	1@21	15.54	15.61	18.59	28.59	0.7220
77C	30	90+60	654006	658998	DFT-s 16 QAM	1@133	1@21	13.17	13.39	16.29	26.29	0.4258
77C	30	90+60	658340	663332	DFT-s QPSK	1@133	1@21	15.19	15.77	18.50	28.50	0.7079
77C	30	90+60	658340	663332	DFT-s 16 QAM	1@133	1@21	12.91	13.44	16.19	26.19	0.4162
77C	30	60+90	648668	653660	DFT-s QPSK	1@133	1@104	15.8	15.09	18.47	28.47	0.7030
77C	30	60+90	648668	653660	DFT-s 16 QAM	1@133	1@104	13.69	12.98	16.36	26.36	0.4325
77C	30	60+90	653004	657996	DFT-s QPSK	1@133	1@104	15.22	15.82	18.54	28.54	0.7146
77C	30	60+90	653004	657996	DFT-s 16 QAM	1@133	1@104	13.17	13.51	16.35	26.35	0.4319
77C	30	60+90	657340	662332	DFT-s QPSK	1@133	1@104	15.99	15.89	18.95	28.95	0.7853
77C	30	60+90	657340	662332	DFT-s 16 QAM	1@133	1@104	13.67	13.83	16.76	26.76	0.4744
77C	30	80+70	649334	654330	DFT-s QPSK	1@133	1@48	14.94	14.97	17.97	27.97	0.6259
77C	30	80+70	649334	654330	DFT-s 16 QAM	1@133	1@48	12.66	12.73	15.71	25.71	0.3720



77C	30	80+70	653670	658666	DFT-s QPSK	1@133	1@48	15.56	16.05	18.82	28.82	0.7625
77C	30	80+70	653670	658666	DFT-s 16 QAM	1@133	1@48	13.54	13.97	16.77	26.77	0.4754
77C	30	80+70	658004	663000	DFT-s QPSK	1@133	1@48	15.25	15.87	18.58	28.58	0.7213
77C	30	80+70	658004	663000	DFT-s 16 QAM	1@133	1@48	13.23	13.79	16.53	26.53	0.4497
77C	30	70+80	648668	653664	DFT-s QPSK	1@133	1@76	15.94	15.08	18.54	28.54	0.7148
77C	30	70+80	648668	653664	DFT-s 16 QAM	1@133	1@76	13.76	12.96	16.39	26.39	0.4354
77C	30	70+80	653172	658168	DFT-s QPSK	1@133	1@76	15.36	15.72	18.55	28.55	0.7168
77C	30	70+80	653172	658168	DFT-s 16 QAM	1@133	1@76	13.06	13.63	16.36	26.36	0.4330
77C	30	70+80	657670	662666	DFT-s QPSK	1@133	1@76	15.16	15.94	18.58	28.58	0.7207
77C	30	70+80	657670	662666	DFT-s 16 QAM	1@133	1@76	13	13.67	16.36	26.36	0.4323
77C	30	100+40	650000	654648	DFT-s QPSK	1@172	1@0	15.5	15.48	18.50	28.50	0.7080
77C	30	100+40	650000	654648	DFT-s 16 QAM	1@172	1@0	13.44	13.44	16.45	26.45	0.4416
77C	30	100+40	654678	659326	DFT-s QPSK	1@172	1@0	15.41	15.53	18.48	28.48	0.7048
77C	30	100+40	654678	659326	DFT-s 16 QAM	1@172	1@0	13.35	13.47	16.42	26.42	0.4386
77C	30	100+40	659352	664000	DFT-s QPSK	1@172	1@0	15.46	15.61	18.55	28.55	0.7155
77C	30	100+40	659352	664000	DFT-s 16 QAM	1@172	1@0	13.41	13.21	16.32	26.32	0.4287
77C	30	40+100	648000	652648	DFT-s QPSK	1@105	1@105	15.09	15.39	18.25	28.25	0.6688
77C	30	40+100	648000	652648	DFT-s 16 QAM	1@105	1@105	12.84	13.22	16.04	26.04	0.4022
77C	30	40+100	652680	657328	DFT-s QPSK	1@105	1@105	15.11	15.34	18.24	28.24	0.6663
77C	30	40+100	652680	657328	DFT-s 16 QAM	1@105	1@105	12.87	13.1	16.00	26.00	0.3978
77C	30	40+100	657352	662000	DFT-s QPSK	1@105	1@105	15.18	15.72	18.47	28.47	0.7029
77C	30	40+100	657352	662000	DFT-s 16 QAM	1@105	1@105	12.85	13.43	16.16	26.16	0.4130
77C	30	90+50	649668	654324	DFT-s QPSK	1@124	1@2	15.66	15.32	18.50	28.50	0.7085
77C	30	90+50	649668	654324	DFT-s 16 QAM	1@124	1@2	13.66	13.29	16.49	26.49	0.4456
77C	30	90+50	654342	658998	DFT-s QPSK	1@124	1@2	15.71	15.37	18.55	28.55	0.7167
77C	30	90+50	654342	658998	DFT-s 16 QAM	1@124	1@2	13.47	13.32	16.41	26.41	0.4371
77C	30	90+50	659010	663666	DFT-s QPSK	1@124	1@2	15.69	15.35	18.53	28.53	0.7134
77C	30	90+50	659010	663666	DFT-s 16 QAM	1@124	1@2	13.48	13.09	16.30	26.30	0.4265
77C	30	50+90	648334	652990	DFT-s QPSK	1@123	1@113	14.8	14.71	17.77	27.77	0.5978
77C	30	50+90	648334	652990	DFT-s 16 QAM	1@123	1@113	12.57	12.55	15.57	25.57	0.3606
77C	30	50+90	653010	657666	DFT-s QPSK	1@123	1@113	14.36	14.31	17.35	27.35	0.5427
77C	30	50+90	653010	657666	DFT-s 16 QAM	1@123	1@113	12.17	11.93	15.06	25.06	0.3208
77C	30	50+90	657676	662332	DFT-s QPSK	1@123	1@113	14.66	14.59	17.64	27.64	0.5802
77C	30	50+90	657676	662332	DFT-s 16 QAM	1@123	1@113	12.44	12.35	15.41	25.41	0.3472
77C	30	80+60	649334	653994	DFT-s QPSK	1@124	1@30	14.65	14.84	17.76	27.76	0.5965
77C	30	80+60	649334	653994	DFT-s 16 QAM	1@124	1@30	12.26	12.79	15.54	25.54	0.3584
77C	30	80+60	654006	658666	DFT-s QPSK	1@124	1@30	14.79	14.77	17.79	27.79	0.6012



77C	30	80+60	654006	658666	DFT-s 16 QAM	1@124	1@30	12.56	12.69	15.64	25.64	0.3661
77C	30	80+60	658672	663332	DFT-s QPSK	1@124	1@30	14.51	14.88	17.71	27.71	0.5901
77C	30	80+60	658672	663332	DFT-s 16 QAM	1@124	1@30	12.41	12.76	15.60	25.60	0.3630
77C	30	60+80	648668	653328	DFT-s QPSK	1@124	1@86	14.95	14.98	17.98	27.98	0.6274
77C	30	60+80	648668	653328	DFT-s 16 QAM	1@124	1@86	12.8	12.77	15.80	25.80	0.3798
77C	30	60+80	653340	658000	DFT-s QPSK	1@124	1@86	15.12	15.05	18.10	28.10	0.6450
77C	30	60+80	653340	658000	DFT-s 16 QAM	1@124	1@86	13.1	12.73	15.93	25.93	0.3917
77C	30	60+80	658006	662666	DFT-s QPSK	1@124	1@86	15.2	15.45	18.34	28.34	0.6819
77C	30	60+80	658006	662666	DFT-s 16 QAM	1@124	1@86	12.99	13.37	16.19	26.19	0.4163
77C	30	70+70	648668	653332	DFT-s QPSK	1@124	1@57	15.52	15.34	18.44	28.44	0.6984
77C	30	70+70	648668	653332	DFT-s 16 QAM	1@124	1@57	13.46	13.31	16.40	26.40	0.4361
77C	30	70+70	653502	658166	DFT-s QPSK	1@124	1@57	15.96	15.81	18.90	28.90	0.7755
77C	30	70+70	653502	658166	DFT-s 16 QAM	1@124	1@57	13.6	13.79	16.71	26.71	0.4684
77C	30	70+70	658336	663000	DFT-s QPSK	1@124	1@57	15.64	15.66	18.66	28.66	0.7346
77C	30	70+70	658336	663000	DFT-s 16 QAM	1@124	1@57	13.57	13.48	16.54	26.54	0.4504
77C	30	100+30	650000	654326	DFT-s QPSK	1@201	1@0	17.14	16.56	19.87	29.87	0.9705
77C	30	100+30	650000	654326	DFT-s 16 QAM	1@201	1@0	15.03	14.33	17.70	27.70	0.5894
77C	30	100+30	655008	659334	DFT-s QPSK	1@201	1@0	17.35	16.63	20.02	30.02	1.0035
77C	30	100+30	655008	659334	DFT-s 16 QAM	1@201	1@0	15.22	14.3	17.79	27.79	0.6018
77C	30	100+30	660006	664332	DFT-s QPSK	1@201	1@0	17.29	16.58	19.96	29.96	0.9908
77C	30	100+30	660006	664332	DFT-s 16 QAM	1@201	1@0	14.95	14.58	17.78	27.78	0.5997
77C	30	30+100	647668	651994	DFT-s QPSK	1@77	1@75	15.47	15.15	18.32	28.32	0.6797
77C	30	30+100	647668	651994	DFT-s 16 QAM	1@77	1@75	13.43	12.82	16.15	26.15	0.4117
77C	30	30+100	652674	657000	DFT-s QPSK	1@77	1@75	15.82	15.14	18.50	28.50	0.7085
77C	30	30+100	652674	657000	DFT-s 16 QAM	1@77	1@75	13.64	13.07	16.37	26.37	0.4340
77C	30	30+100	657674	662000	DFT-s QPSK	1@77	1@75	15.58	15.14	18.38	28.38	0.6880
77C	30	30+100	657674	662000	DFT-s 16 QAM	1@77	1@75	13.24	13.07	16.17	26.17	0.4136
77C	30	90+40	649668	653988	DFT-s QPSK	1@145	1@0	14.86	14.74	17.81	27.81	0.6040
77C	30	90+40	649668	653988	DFT-s 16 QAM	1@145	1@0	12.71	12.65	15.69	25.69	0.3707
77C	30	90+40	654678	658998	DFT-s QPSK	1@145	1@0	15.53	15.76	18.66	28.66	0.7340
77C	30	90+40	654678	658998	DFT-s 16 QAM	1@145	1@0	13.27	13.68	16.49	26.49	0.4457
77C	30	90+40	659680	664000	DFT-s QPSK	1@145	1@0	15.55	15.63	18.60	28.60	0.7245
77C	30	90+40	659680	664000	DFT-s 16 QAM	1@145	1@0	13.27	13.36	16.33	26.33	0.4291
77C	30	40+90	648000	652320	DFT-s QPSK	1@105	1@104	15.75	15.08	18.44	28.44	0.6979
77C	30	40+90	648000	652320	DFT-s 16 QAM	1@105	1@104	13.46	13.01	16.25	26.25	0.4218
77C	30	40+90	653010	657330	DFT-s QPSK	1@105	1@104	15.25	16.05	18.68	28.68	0.7377
77C	30	40+90	653010	657330	DFT-s 16 QAM	1@105	1@104	12.86	14.04	16.50	26.50	0.4467



77C	30	40+90	658012	662332	DFT-s QPSK	1@105	1@104	15.92	15.02	18.50	28.50	0.7085
77C	30	40+90	658012	662332	DFT-s 16 QAM	1@105	1@104	13.56	12.67	16.15	26.15	0.4119
77C	30	80+50	649334	653658	DFT-s QPSK	1@115	1@12	14.82	14.73	17.79	27.79	0.6006
77C	30	80+50	649334	653658	DFT-s 16 QAM	1@115	1@12	12.69	12.63	15.67	25.67	0.3690
77C	30	80+50	654342	658666	DFT-s QPSK	1@115	1@12	15.61	15.44	18.54	28.54	0.7139
77C	30	80+50	654342	658666	DFT-s 16 QAM	1@115	1@12	13.51	13.15	16.34	26.34	0.4309
77C	30	80+50	659342	663666	DFT-s QPSK	1@115	1@12	15.37	15.56	18.48	28.48	0.7041
77C	30	80+50	659342	663666	DFT-s 16 QAM	1@115	1@12	13.15	13.22	16.20	26.20	0.4164
77C	30	50+80	648334	652658	DFT-s QPSK	1@114	1@94	15.88	15.08	18.51	28.51	0.7094
77C	30	50+80	648334	652658	DFT-s 16 QAM	1@114	1@94	13.54	13.02	16.30	26.30	0.4264
77C	30	50+80	653340	657664	DFT-s QPSK	1@114	1@94	15.32	15.91	18.64	28.64	0.7304
77C	30	50+80	653340	657664	DFT-s 16 QAM	1@114	1@94	13.32	13.82	16.59	26.59	0.4558
77C	30	50+80	658342	662666	DFT-s QPSK	1@114	1@94	16.05	15.2	18.66	28.66	0.7338
77C	30	50+80	658342	662666	DFT-s 16 QAM	1@114	1@94	13.94	13.13	16.56	26.56	0.4533
77C	30	70+60	648668	652992	DFT-s QPSK	1@114	1@39	14.64	14.54	17.60	27.60	0.5755
77C	30	70+60	648668	652992	DFT-s 16 QAM	1@114	1@39	12.3	12.39	15.36	25.36	0.3432
77C	30	70+60	653838	658162	DFT-s QPSK	1@114	1@39	15.28	15.66	18.48	28.48	0.7054
77C	30	70+60	653838	658162	DFT-s 16 QAM	1@114	1@39	13.17	13.33	16.26	26.26	0.4228
77C	30	70+60	659008	663332	DFT-s QPSK	1@114	1@39	14.91	14.75	17.84	27.84	0.6083
77C	30	70+60	659008	663332	DFT-s 16 QAM	1@114	1@39	12.91	12.41	15.68	25.68	0.3696
77C	30	60+70	648668	652992	DFT-s QPSK	1@114	1@66	15.65	14.89	18.30	28.30	0.6756
77C	30	60+70	648668	652992	DFT-s 16 QAM	1@114	1@66	13.5	12.64	16.10	26.10	0.4075
77C	30	60+70	653676	658000	DFT-s QPSK	1@114	1@66	15.11	15.79	18.47	28.47	0.7037
77C	30	60+70	653676	658000	DFT-s 16 QAM	1@114	1@66	12.91	13.47	16.21	26.21	0.4178
77C	30	60+70	658676	663000	DFT-s QPSK	1@114	1@66	15.83	14.82	18.36	28.36	0.6862
77C	30	60+70	658676	663000	DFT-s 16 QAM	1@114	1@66	13.78	12.61	16.24	26.24	0.4212
77C	30	100+25	650000	654160	DFT-s QPSK	1@216	1@0	16.8	16.52	19.67	29.67	0.9274
77C	30	100+25	650000	654160	DFT-s 16 QAM	1@216	1@0	14.48	14.3	17.40	27.40	0.5497
77C	30	100+25	655170	659330	DFT-s QPSK	1@216	1@0	17.06	16.56	19.83	29.83	0.9611
77C	30	100+25	655170	659330	DFT-s 16 QAM	1@216	1@0	14.89	14.41	17.67	27.67	0.5844
77C	30	100+25	660304	664500	DFT-s QPSK	1@216	1@0	16.98	16.72	19.86	29.86	0.9688
77C	30	100+25	660304	664500	DFT-s 16 QAM	1@216	1@0	14.85	14.43	17.66	27.66	0.5828
77C	30	25+100	647500	651660	DFT-s QPSK	1@64	1@62	15.09	15.26	18.19	28.19	0.6586
77C	30	25+100	647500	651660	DFT-s 16 QAM	1@64	1@62	12.71	12.89	15.81	25.81	0.3812
77C	30	25+100	652674	656834	DFT-s QPSK	1@64	1@62	15.18	15.29	18.25	28.25	0.6677
77C	30	25+100	652674	656834	DFT-s 16 QAM	1@64	1@62	13.05	13.14	16.11	26.11	0.4079
77C	30	25+100	657840	662000	DFT-s QPSK	1@64	1@62	15.25	15.07	18.17	28.17	0.6563



77C	30	25+100	657840	662000	DFT-s 16 QAM	1@64	1@62	13.11	12.96	16.05	26.05	0.4023
77C	30	100+20	650000	653996	DFT-s QPSK	1@229	1@0	16.77	16.59	19.69	29.69	0.9314
77C	30	100+20	650000	653996	DFT-s 16 QAM	1@229	1@0	14.39	14.44	17.43	27.43	0.5528
77C	30	100+20	655338	659334	DFT-s QPSK	1@229	1@0	16.96	16.63	19.81	29.81	0.9568
77C	30	100+20	655338	659334	DFT-s 16 QAM	1@229	1@0	14.7	14.57	17.65	27.65	0.5815
77C	30	100+20	660670	664666	DFT-s QPSK	1@229	1@0	17.06	16.81	19.95	29.95	0.9879
77C	30	100+20	660670	664666	DFT-s 16 QAM	1@229	1@0	14.81	14.6	17.72	27.72	0.5911
77C	30	20+100	647334	651330	DFT-s QPSK	1@50	1@48	15.29	15.28	18.30	28.30	0.6754
77C	30	20+100	647334	651330	DFT-s 16 QAM	1@50	1@48	13.03	12.96	16.01	26.01	0.3986
77C	30	20+100	652674	656670	DFT-s QPSK	1@50	1@48	15.25	15.34	18.31	28.31	0.6769
77C	30	20+100	652674	656670	DFT-s 16 QAM	1@50	1@48	12.99	13.12	16.07	26.07	0.4042
77C	30	20+100	658004	662000	DFT-s QPSK	1@50	1@48	15.19	15.28	18.25	28.25	0.6677
77C	30	20+100	658004	662000	DFT-s 16 QAM	1@50	1@48	13.14	12.88	16.02	26.02	0.4002
77C	30	90+30	649668	653660	DFT-s QPSK	1@173	1@0	16.76	16.45	19.62	29.62	0.9158
77C	30	90+30	649668	653660	DFT-s 16 QAM	1@173	1@0	14.66	14.28	17.48	27.48	0.5603
77C	30	90+30	655008	659000	DFT-s QPSK	1@173	1@0	16.13	17.18	19.70	29.70	0.9326
77C	30	90+30	655008	659000	DFT-s 16 QAM	1@173	1@0	13.88	15.12	17.55	27.55	0.5694
77C	30	90+30	660340	664332	DFT-s QPSK	1@173	1@0	16.95	16.5	19.74	29.74	0.9421
77C	30	90+30	660340	664332	DFT-s 16 QAM	1@173	1@0	14.6	14.15	17.39	27.39	0.5484
77C	30	30+90	647668	651660	DFT-s QPSK	1@77	1@75	15.17	15.2	18.20	28.20	0.6600
77C	30	30+90	647668	651660	DFT-s 16 QAM	1@77	1@75	12.77	12.89	15.84	25.84	0.3838
77C	30	30+90	653004	656996	DFT-s QPSK	1@77	1@75	15.47	15.23	18.36	28.36	0.6858
77C	30	30+90	653004	656996	DFT-s 16 QAM	1@77	1@75	13.38	12.91	16.16	26.16	0.4132
77C	30	30+90	658340	662332	DFT-s QPSK	1@77	1@75	15.25	15.15	18.21	28.21	0.6623
77C	30	30+90	658340	662332	DFT-s 16 QAM	1@77	1@75	13.22	12.81	16.03	26.03	0.4009
77C	30	80+40	649334	653322	DFT-s QPSK	1@117	1@0	15.67	14.41	18.10	28.10	0.6450
77C	30	80+40	649334	653322	DFT-s 16 QAM	1@117	1@0	13.65	12.23	16.01	26.01	0.3988
77C	30	80+40	654678	658666	DFT-s QPSK	1@117	1@0	14.91	15.32	18.13	28.13	0.6502
77C	30	80+40	654678	658666	DFT-s 16 QAM	1@117	1@0	12.89	13.01	15.96	25.96	0.3945
77C	30	80+40	660012	664000	DFT-s QPSK	1@117	1@0	15.77	14.23	18.08	28.08	0.6424
77C	30	80+40	660012	664000	DFT-s 16 QAM	1@117	1@0	13.43	11.95	15.76	25.76	0.3770
77C	30	40+80	648000	651988	DFT-s QPSK	1@105	1@104	15.33	14.88	18.12	28.12	0.6488
77C	30	40+80	648000	651988	DFT-s 16 QAM	1@105	1@104	13.24	12.66	15.97	25.97	0.3954
77C	30	40+80	653340	657328	DFT-s QPSK	1@105	1@104	15.42	14.83	18.15	28.15	0.6524
77C	30	40+80	653340	657328	DFT-s 16 QAM	1@105	1@104	13.21	12.6	15.93	25.93	0.3914
77C	30	40+80	658678	662666	DFT-s QPSK	1@105	1@104	15.52	14.38	18.00	28.00	0.6306
77C	30	40+80	658678	662666	DFT-s 16 QAM	1@105	1@104	13.27	12.32	15.83	25.83	0.3829



77C	30	70+50	648668	652660	DFT-s QPSK	1@105	1@22	15.42	14.66	18.07	28.07	0.6408
77C	30	70+50	648668	652660	DFT-s 16 QAM	1@105	1@22	13.33	12.31	15.86	25.86	0.3855
77C	30	70+50	654174	658166	DFT-s QPSK	1@105	1@22	14.9	15.27	18.10	28.10	0.6455
77C	30	70+50	654174	658166	DFT-s 16 QAM	1@105	1@22	12.9	13.01	15.97	25.97	0.3950
77C	30	70+50	659674	663666	DFT-s QPSK	1@105	1@22	15.63	14.27	18.01	28.01	0.6329
77C	30	70+50	659674	663666	DFT-s 16 QAM	1@105	1@22	13.55	12.02	15.86	25.86	0.3857
77C	30	50+70	648334	652326	DFT-s QPSK	1@105	1@76	15.32	14.95	18.15	28.15	0.6530
77C	30	50+70	648334	652326	DFT-s 16 QAM	1@105	1@76	13.11	12.69	15.92	25.92	0.3904
77C	30	50+70	653676	657668	DFT-s QPSK	1@105	1@76	15.5	14.83	18.19	28.19	0.6589
77C	30	50+70	653676	657668	DFT-s 16 QAM	1@105	1@76	13.31	12.67	16.01	26.01	0.3992
77C	30	50+70	659008	663000	DFT-s QPSK	1@105	1@76	15.42	14.72	18.09	28.09	0.6448
77C	30	50+70	659008	663000	DFT-s 16 QAM	1@105	1@76	13.24	12.69	15.98	25.98	0.3966
77C	30	60+60	648668	652668	DFT-s QPSK	1@105	1@47	15.45	14.82	18.16	28.16	0.6541
77C	30	60+60	648668	652668	DFT-s 16 QAM	1@105	1@47	13.45	12.45	15.99	25.99	0.3971
77C	30	60+60	654000	658000	DFT-s QPSK	1@105	1@47	14.81	15.39	18.12	28.12	0.6486
77C	30	60+60	654000	658000	DFT-s 16 QAM	1@105	1@47	12.41	13.25	15.86	25.86	0.3855
77C	30	60+60	659332	663332	DFT-s QPSK	1@105	1@47	14.69	15.34	18.04	28.04	0.6364
77C	30	60+60	659332	663332	DFT-s 16 QAM	1@105	1@47	12.47	13.27	15.90	25.90	0.3889
77C	30	100+15	650000	653808	DFT-s QPSK	1@240	1@0	16.54	16.42	19.49	29.49	0.8893
77C	30	100+15	650000	653808	DFT-s 16 QAM	1@240	1@0	14.24	14.42	17.34	27.34	0.5422
77C	30	100+15	655512	659320	DFT-s QPSK	1@240	1@0	16.67	16.1	19.40	29.40	0.8719
77C	30	100+15	655512	659320	DFT-s 16 QAM	1@240	1@0	14.42	13.86	17.16	27.16	0.5199
77C	30	100+15	661024	664832	DFT-s QPSK	1@240	1@0	16.74	16.21	19.49	29.49	0.8899
77C	30	100+15	661024	664832	DFT-s 16 QAM	1@240	1@0	14.35	14.15	17.26	27.26	0.5323
77C	30	15+100	647168	650976	DFT-s QPSK	1@37	1@36	14.64	15.07	17.87	27.87	0.6124
77C	30	15+100	647168	650976	DFT-s 16 QAM	1@37	1@36	12.57	12.7	15.65	25.65	0.3669
77C	30	15+100	652680	656488	DFT-s QPSK	1@37	1@36	14.67	14.5	17.60	27.60	0.5749
77C	30	15+100	652680	656488	DFT-s 16 QAM	1@37	1@36	12.29	12.12	15.22	25.22	0.3324
77C	30	15+100	658192	662000	DFT-s QPSK	1@37	1@36	14.69	14.4	17.56	27.56	0.5699
77C	30	15+100	658192	662000	DFT-s 16 QAM	1@37	1@36	12.42	12.07	15.26	25.26	0.3356
77C	30	90+25	649668	653492	DFT-s QPSK	1@187	1@0	16.24	16.05	19.16	29.16	0.8234
77C	30	90+25	649668	653492	DFT-s 16 QAM	1@187	1@0	14.03	13.66	16.86	26.86	0.4852
77C	30	90+25	655176	659000	DFT-s QPSK	1@187	1@0	16.83	16.4	19.63	29.63	0.9185
77C	30	90+25	655176	659000	DFT-s 16 QAM	1@187	1@0	14.45	14.22	17.35	27.35	0.5429
77C	30	90+25	660676	664500	DFT-s QPSK	1@187	1@0	16.75	16.26	19.52	29.52	0.8958
77C	30	90+25	660676	664500	DFT-s 16 QAM	1@187	1@0	14.57	14.01	17.31	27.31	0.5382
77C	30	25+90	647500	651324	DFT-s QPSK	1@64	1@62	14.94	15.15	18.06	28.06	0.6392



77C	30	25+90	647500	651324	DFT-s 16 QAM	1@64	1@62	12.7	12.97	15.85	25.85	0.3844
77C	30	25+90	653004	656828	DFT-s QPSK	1@64	1@62	14.91	15.14	18.04	28.04	0.6363
77C	30	25+90	653004	656828	DFT-s 16 QAM	1@64	1@62	12.9	13.04	15.98	25.98	0.3964
77C	30	25+90	658508	662332	DFT-s QPSK	1@64	1@62	14.93	15	17.98	27.98	0.6274
77C	30	25+90	658508	662332	DFT-s 16 QAM	1@64	1@62	12.68	12.87	15.79	25.79	0.3790
77C	30	100+10	650000	653640	DFT-s QPSK	1@254	1@0	16.47	16.17	19.33	29.33	0.8576
77C	30	100+10	650000	653640	DFT-s 16 QAM	1@254	1@0	14.07	13.98	17.04	27.04	0.5053
77C	30	100+10	655680	659320	DFT-s QPSK	1@254	1@0	16.68	16.18	19.45	29.45	0.8805
77C	30	100+10	655680	659320	DFT-s 16 QAM	1@254	1@0	14.49	14.13	17.32	27.32	0.5400
77C	30	100+10	661360	665000	DFT-s QPSK	1@254	1@0	16.65	16.48	19.58	29.58	0.9070
77C	30	100+10	661360	665000	DFT-s 16 QAM	1@254	1@0	14.58	14.38	17.49	27.49	0.5612
77C	30	10+100	647000	650640	DFT-s QPSK	1@23	1@22	11.82	12.41	15.14	25.14	0.3262
77C	30	10+100	647000	650640	DFT-s 16 QAM	1@23	1@22	9.5	10.1	12.82	22.82	0.1915
77C	30	10+100	652680	656320	DFT-s QPSK	1@23	1@22	12.19	12.44	15.33	25.33	0.3410
77C	30	10+100	652680	656320	DFT-s 16 QAM	1@23	1@22	10.13	10.22	13.19	23.19	0.2082
77C	30	10+100	658360	662000	DFT-s QPSK	1@23	1@22	12.19	12.35	15.28	25.28	0.3374
77C	30	10+100	658360	662000	DFT-s 16 QAM	1@23	1@22	10.08	10.07	13.09	23.09	0.2035
77C	30	90+20	649668	653328	DFT-s QPSK	1@202	1@0	16.46	16.13	19.31	29.31	0.8528
77C	30	90+20	649668	653328	DFT-s 16 QAM	1@202	1@0	14.07	14.01	17.05	27.05	0.5070
77C	30	90+20	655338	658998	DFT-s QPSK	1@202	1@0	15.74	16.45	19.12	29.12	0.8165
77C	30	90+20	655338	658998	DFT-s 16 QAM	1@202	1@0	13.72	14.33	17.05	27.05	0.5065
77C	30	90+20	661006	664666	DFT-s QPSK	1@202	1@0	16.35	16.08	19.23	29.23	0.8370
77C	30	90+20	661006	664666	DFT-s 16 QAM	1@202	1@0	14.09	13.81	16.96	26.96	0.4969
77C	30	20+90	647334	650994	DFT-s QPSK	1@50	1@48	14.99	15.13	18.07	28.07	0.6413
77C	30	20+90	647334	650994	DFT-s 16 QAM	1@50	1@48	12.65	13.09	15.89	25.89	0.3878
77C	30	20+90	653004	656664	DFT-s QPSK	1@50	1@48	15.13	15.28	18.22	28.22	0.6631
77C	30	20+90	653004	656664	DFT-s 16 QAM	1@50	1@48	12.78	13.14	15.97	25.97	0.3957
77C	30	20+90	658672	662332	DFT-s QPSK	1@50	1@48	15.06	15.01	18.05	28.05	0.6376
77C	30	20+90	658672	662332	DFT-s 16 QAM	1@50	1@48	12.97	12.81	15.90	25.90	0.3891
77C	30	80+30	649334	652990	DFT-s QPSK	1@144	1@0	15.74	16.01	18.89	28.89	0.7740
77C	30	80+30	649334	652990	DFT-s 16 QAM	1@144	1@0	13.52	13.63	16.59	26.59	0.4556
77C	30	80+30	655008	658664	DFT-s QPSK	1@144	1@0	15.86	16.2	19.04	29.04	0.8023
77C	30	80+30	655008	658664	DFT-s 16 QAM	1@144	1@0	13.48	13.82	16.66	26.66	0.4638
77C	30	80+30	660676	664332	DFT-s QPSK	1@144	1@0	15.97	16.98	19.51	29.51	0.8943
77C	30	80+30	660676	664332	DFT-s 16 QAM	1@144	1@0	13.72	14.72	17.26	27.26	0.5320
77C	30	30+80	647668	651324	DFT-s QPSK	1@77	1@75	12.07	12.87	15.50	25.50	0.3547
77C	30	30+80	647668	651324	DFT-s 16 QAM	1@77	1@75	9.96	10.76	13.39	23.39	0.2182



77C	30	30+80	653340	656996	DFT-s QPSK	1@77	1@75	14.04	14.53	17.30	27.30	0.5373
77C	30	30+80	653340	656996	DFT-s 16 QAM	1@77	1@75	11.98	12.38	15.19	25.19	0.3307
77C	30	30+80	659010	662666	DFT-s QPSK	1@77	1@75	13.93	14.39	17.18	27.18	0.5220
77C	30	30+80	659010	662666	DFT-s 16 QAM	1@77	1@75	11.67	12.23	14.97	24.97	0.3140
77C	30	70+40	648668	652324	DFT-s QPSK	1@96	1@3	15.65	14.47	18.11	28.11	0.6472
77C	30	70+40	648668	652324	DFT-s 16 QAM	1@96	1@3	13.29	12.29	15.83	25.83	0.3827
77C	30	70+40	654510	658166	DFT-s QPSK	1@96	1@3	14.85	15.42	18.15	28.15	0.6538
77C	30	70+40	654510	658166	DFT-s 16 QAM	1@96	1@3	12.77	13.06	15.93	25.93	0.3915
77C	30	70+40	660344	664000	DFT-s QPSK	1@96	1@3	15.69	14.33	18.07	28.07	0.6417
77C	30	70+40	660344	664000	DFT-s 16 QAM	1@96	1@3	13.58	11.96	15.86	25.86	0.3851
77C	30	40+70	648000	651656	DFT-s QPSK	1@96	1@86	15.4	15	18.21	28.21	0.6630
77C	30	40+70	648000	651656	DFT-s 16 QAM	1@96	1@86	13.38	12.76	16.09	26.09	0.4066
77C	30	40+70	653676	657332	DFT-s QPSK	1@96	1@86	15.11	15.42	18.28	28.28	0.6727
77C	30	40+70	653676	657332	DFT-s 16 QAM	1@96	1@86	12.77	13.24	16.02	26.02	0.4001
77C	30	40+70	659344	663000	DFT-s QPSK	1@96	1@86	15.56	14.48	18.06	28.06	0.6403
77C	30	40+70	659344	663000	DFT-s 16 QAM	1@96	1@86	13.47	12.4	15.98	25.98	0.3961
77C	30	60+50	648668	652320	DFT-s QPSK	1@96	1@31	15.48	14.82	18.17	28.17	0.6566
77C	30	60+50	648668	652320	DFT-s 16 QAM	1@96	1@31	13.48	12.7	16.12	26.12	0.4091
77C	30	60+50	654342	657994	DFT-s QPSK	1@96	1@31	14.84	15.57	18.23	28.23	0.6654
77C	30	60+50	654342	657994	DFT-s 16 QAM	1@96	1@31	12.55	13.18	15.89	25.89	0.3879
77C	30	60+50	660014	663666	DFT-s QPSK	1@96	1@31	15.65	14.31	18.04	28.04	0.6371
77C	30	60+50	660014	663666	DFT-s 16 QAM	1@96	1@31	13.65	12.23	16.01	26.01	0.3988
77C	30	50+60	648334	651986	DFT-s QPSK	1@96	1@58	15.38	14.97	18.19	28.19	0.6592
77C	30	50+60	648334	651986	DFT-s 16 QAM	1@96	1@58	13	12.67	15.85	25.85	0.3845
77C	30	50+60	654012	657664	DFT-s QPSK	1@96	1@58	14.57	14.41	17.50	27.50	0.5625
77C	30	50+60	654012	657664	DFT-s 16 QAM	1@96	1@58	12.41	12.04	15.24	25.24	0.3341
77C	30	50+60	659680	663332	DFT-s QPSK	1@96	1@58	14.34	14.28	17.32	27.32	0.5396
77C	30	50+60	659680	663332	DFT-s 16 QAM	1@96	1@58	12.21	12.21	15.22	25.22	0.3327
77C	30	90+15	649668	653140	DFT-s QPSK	1@243	1@36	16.54	15.94	19.26	29.26	0.8435
77C	30	90+15	649668	653140	DFT-s 16 QAM	1@243	1@36	14.51	13.61	17.09	27.09	0.5121
77C	30	90+15	655518	658990	DFT-s QPSK	1@243	1@36	16.54	15.93	19.26	29.26	0.8426
77C	30	90+15	655518	658990	DFT-s 16 QAM	1@243	1@36	14.36	13.66	17.03	27.03	0.5052
77C	30	90+15	661360	664832	DFT-s QPSK	1@243	1@36	16.78	15.84	19.35	29.35	0.8601
77C	30	90+15	661360	664832	DFT-s 16 QAM	1@243	1@36	14.78	13.72	17.29	27.29	0.5361
77C	30	15+90	647168	650640	DFT-s QPSK	1@37	1@36	14.68	14.49	17.60	27.60	0.5750
77C	30	15+90	647168	650640	DFT-s 16 QAM	1@37	1@36	12.28	12.13	15.22	25.22	0.3323
77C	30	15+90	653016	656488	DFT-s QPSK	1@37	1@36	14.69	14.52	17.62	27.62	0.5776



77C	30	15+90	653016	656488	DFT-s 16 QAM	1@37	1@36	12.41	12.38	15.41	25.41	0.3472
77C	30	15+90	658860	662332	DFT-s QPSK	1@37	1@36	14.7	14.43	17.58	27.58	0.5725
77C	30	15+90	658860	662332	DFT-s 16 QAM	1@37	1@36	12.4	12.41	15.42	25.42	0.3480
77C	30	80+25	649334	652822	DFT-s QPSK	1@215	1@63	16.47	15.84	19.18	29.18	0.8273
77C	30	80+25	649334	652822	DFT-s 16 QAM	1@215	1@63	14.32	13.76	17.06	27.06	0.5081
77C	30	80+25	655176	658664	DFT-s QPSK	1@215	1@63	15.79	15.77	18.79	28.79	0.7569
77C	30	80+25	655176	658664	DFT-s 16 QAM	1@215	1@63	13.55	13.6	16.59	26.59	0.4556
77C	30	80+25	661012	664500	DFT-s QPSK	1@215	1@63	15.89	15.82	18.87	28.87	0.7701
77C	30	80+25	661012	664500	DFT-s 16 QAM	1@215	1@63	13.69	13.62	16.67	26.67	0.4640
77C	30	25+80	647500	650988	DFT-s QPSK	1@63	1@60	14.93	15.12	18.04	28.04	0.6363
77C	30	25+80	647500	650988	DFT-s 16 QAM	1@63	1@60	12.72	12.98	15.86	25.86	0.3857
77C	30	25+80	653340	656828	DFT-s QPSK	1@63	1@60	15.02	15.22	18.13	28.13	0.6503
77C	30	25+80	653340	656828	DFT-s 16 QAM	1@63	1@60	12.66	12.88	15.78	25.78	0.3786
77C	30	25+80	659178	662666	DFT-s QPSK	1@63	1@60	13.92	14.4	17.18	27.18	0.5220
77C	30	25+80	659178	662666	DFT-s 16 QAM	1@63	1@60	11.88	12.13	15.02	25.02	0.3175



5G NR n77_ANT 5(27Q)

Transmitter Conducted Output Power And EIRP, (GT - LC)=10dbi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	26.04	36.04	4.0179
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	24.98	34.98	3.1477
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.99	35.99	3.9719
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25	35	3.1623
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	25.94	35.94	3.9264
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	24.96	34.96	3.1333
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	26.13	36.13	4.1020
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	25.01	35.01	3.1696
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.01	36.01	3.9902
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.93	34.93	3.1117
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	25.97	35.97	3.9537
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	24.89	34.89	3.0832
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	26.05	36.05	4.0272
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	25.03	35.03	3.1842
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.94	35.94	3.9264
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.94	34.94	3.1189
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.97	35.97	3.9537
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	24.94	34.94	3.1189
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	26.1	36.1	4.0738
77	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	25.03	35.03	3.1842
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.99	35.99	3.9719
77	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.89	34.89	3.0832
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	25.96	35.96	3.9446
77	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	24.9	34.9	3.0903
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	26.05	36.05	4.0272
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	25.05	35.05	3.1989
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.04	36.04	4.0179
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.94	34.94	3.1189
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	26.02	36.02	3.9994
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.87	34.87	3.0690
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	26.07	36.07	4.0458
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	25.06	35.06	3.2063
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.04	36.04	4.0179
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25	35	3.1623
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	25.98	35.98	3.9628
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	25.01	35.01	3.1696
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	26.09	36.09	4.0644
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	25.08	35.08	3.2211
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.15	36.15	4.1210
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.98	34.98	3.1477
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	26.05	36.05	4.0272



77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.95	34.95	3.1261
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	26.1	36.1	4.0738
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	25.1	35.1	3.2359
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	26	36	3.9811
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.98	34.98	3.1477
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	25.96	35.96	3.9446
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	25.04	35.04	3.1915
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	26.14	36.14	4.1115
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	25.11	35.11	3.2434
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.13	36.13	4.1020
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.06	35.06	3.2063
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	26.08	36.08	4.0551
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	24.99	34.99	3.1550
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	26.14	36.14	4.1115
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	25.07	35.07	3.2137
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.29	36.29	4.2560
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.06	35.06	3.2063
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	26.17	36.17	4.1400
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	25.09	35.09	3.2285
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	26.24	36.24	4.2073
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	25.17	35.17	3.2885
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.14	36.14	4.1115
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.11	35.11	3.2434
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	26.18	36.18	4.1495
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	25.12	35.12	3.2509
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	26.06	36.06	4.0365
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.24	36.24	4.2073
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	25.75	35.75	3.7584
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	26.07	36.07	4.0458
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.29	36.29	4.2560
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	25.81	35.81	3.8107
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	25.08	35.08	3.2211
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.2	35.2	3.3113
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	24.74	34.74	2.9785
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.02	33.02	2.0045
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.17	33.17	2.0749
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	22.73	32.73	1.8750
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	20.56	30.56	1.1376
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.89	30.89	1.2274
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	20.47	30.47	1.1143
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.54	34.54	2.8445
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	24.77	34.77	2.9992
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	24.18	34.18	2.6182



5G NR n77 UL (MIMO ANT5+4) (27Q)

Transmitter Conducted Output Power And EIRP, (GT - LC)=9.3dbi

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	ANT5 Power(dBm)	ANT4 Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	25.45	26.06	28.78	38.08	6.4269
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	24.44	25.03	27.76	37.06	5.0816
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.46	26.06	28.78	38.08	6.4269
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.52	25.1	27.83	37.13	5.1642
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	25.62	25.96	28.80	38.1	6.4565
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	24.59	25	27.81	37.11	5.1404
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	25.46	26.12	28.81	38.11	6.4714
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	24.45	25.09	27.79	37.09	5.1168
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.52	26.04	28.80	38.1	6.4565
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.52	25.1	27.83	37.13	5.1642
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	25.61	26.02	28.83	38.13	6.5013
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	24.61	25.03	27.84	37.14	5.1761
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	25.48	26.08	28.80	38.1	6.4565
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	24.45	25.16	27.83	37.13	5.1642
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.6	26.17	28.90	38.2	6.6069
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.51	25.07	27.81	37.11	5.1404
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.46	26.08	28.79	38.09	6.4417
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	24.6	25.06	27.85	37.15	5.1880
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	25.45	26.07	28.78	38.08	6.4269
77	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	24.39	25.11	27.78	37.08	5.1050
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.56	26.04	28.82	38.12	6.4863
77	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.5	24.99	27.76	37.06	5.0816
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	25.6	26	28.81	38.11	6.4714
77	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	24.54	24.99	27.78	37.08	5.1050
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	25.52	26.02	28.79	38.09	6.4417
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	24.53	25.08	27.82	37.12	5.1523
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.63	25.09	28.38	37.68	5.8614
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.54	25.07	27.82	37.12	5.1523
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	25.58	26.15	28.88	38.18	6.5766
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.57	25.1	27.85	37.15	5.1880
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.5	25.99	28.76	38.06	6.3973
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.52	25.17	27.87	37.17	5.2119



77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.14	26.16	28.69	37.99	6.2951
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.54	25	27.79	37.09	5.1168
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	25.53	26.1	28.83	38.13	6.5013
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	24.46	25.13	27.82	37.12	5.1523
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	25.6	26.14	28.89	38.19	6.5917
77	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	24.55	25.13	27.86	37.16	5.2000
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.6	26.11	28.87	38.17	6.5615
77	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.53	25.05	27.81	37.11	5.1404
77	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.64	26.22	28.95	38.25	6.6834
77	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.57	25.16	27.89	37.19	5.2360
77	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	25.47	26.1	28.81	38.11	6.4714
77	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	24.46	25.04	27.77	37.07	5.0933
77	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.58	26.08	28.85	38.15	6.5313
77	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.67	25.17	27.94	37.24	5.2966
77	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	25.59	26.11	28.87	38.17	6.5615
77	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	24.52	25.11	27.84	37.14	5.1761
77	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	25.54	26.19	28.89	38.19	6.5917
77	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	24.53	25.12	27.85	37.15	5.1880
77	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.63	26.31	28.99	38.29	6.7453
77	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.59	25.2	27.92	37.22	5.2723
77	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	25.59	26.15	28.89	38.19	6.5917
77	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	24.61	25.16	27.90	37.2	5.2481
77	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	25.57	26.36	28.99	38.29	6.7453
77	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	24.47	25.19	27.86	37.16	5.2000
77	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.68	26.22	28.97	38.27	6.7143
77	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.58	25.15	27.88	37.18	5.2240
77	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	25.59	26.11	28.87	38.17	6.5615
77	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	24.58	25.19	27.91	37.21	5.2602
77	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	25.44	26.14	28.81	38.11	6.4714
77	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	24.48	25.16	27.84	37.14	5.1761
77	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.54	26.19	28.89	38.19	6.5917
77	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.48	25.22	27.88	37.18	5.2240
77	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	25.62	26.21	28.94	38.24	6.6681
77	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	24.63	25.24	27.96	37.26	5.3211
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.57	26	28.80	38.1	6.4565
77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	25.78	26.3	29.06	38.36	6.8549



77	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	25.29	25.5	28.41	37.71	5.9020
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.56	26.03	28.81	38.11	6.4714
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.68	26.26	28.99	38.29	6.7453
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	25.29	25.53	28.42	37.72	5.9156
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	24.55	25.06	27.82	37.12	5.1523
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.53	25.26	27.92	37.22	5.2723
77	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	24.24	24.47	27.37	36.67	4.6452
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	22.55	23.09	25.84	35.14	3.2659
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.68	23.49	26.11	35.41	3.4754
77	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	22.5	22.71	25.62	34.92	3.1046
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	20.31	21	23.68	32.98	1.9861
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.31	21.04	23.70	33	1.9953
77	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	20.05	20.27	23.17	32.47	1.7660
77	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.09	24.49	27.30	36.6	4.5709
77	30	100	633334	3500.01	CP-OFDM QPSK	1@1	24.09	24.8	27.47	36.77	4.7534
77	30	100	633334	3500.01	CP-OFDM QPSK	1@271	23.7	23.91	26.82	36.12	4.0926



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Carl Ni	Temperature :	23~25°C
		Relative Humidity :	41~42%

Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

SA n26 / NR 20MHz / QPSK / ANT0(NR)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1654	-63.94	-13	-50.94	-73.86	-67.19	4.00	9.40	H
	2481	-62.68	-13	-49.68	-77.16	-66.25	4.88	10.60	H
	3308	-62.09	-13	-49.09	-78.42	-67.02	5.52	12.60	H
	1654	-64.15	-13	-51.15	-73.81	-67.40	4.00	9.40	V
	2481	-62.99	-13	-49.99	-77.44	-66.56	4.88	10.60	V
	3308	-62.36	-13	-49.36	-78.47	-67.29	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ENDC_48A_n5A / LTE 10MHz + NR 25MHz / QPSK / ANT5(LTE) & ANT0(NR)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n5 Middle	1649.35	-56.43	-13	-43.43	-66.35	-59.68	4.00	9.40	H
	2474.03	-64.51	-13	-51.51	-78.98	-68.08	4.88	10.60	H
	3298.7	-65.01	-13	-52.01	-81.51	-69.94	5.52	12.60	H
	1649.35	-60.37	-13	-47.37	-70.03	-63.62	4.00	9.40	V
	2474.03	-63.67	-13	-50.67	-78.11	-67.24	4.88	10.60	V
	3298.7	-65.04	-13	-52.04	-81.35	-69.97	5.52	12.60	V
LTE Band48 Middle	7232.00	-59.52	-40	-19.52	-65.46	-62.82	8.30	11.60	H
	10848.00	-55.59	-40	-15.59	-67.87	-57.11	10.48	12.00	H
	14464.00	-50.21	-40	-10.21	-67.95	-51.91	11.80	13.50	H
	7232.00	-59.05	-40	-19.05	-65.3	-62.35	8.30	11.60	V
	10848.00	-56.19	-40	-16.19	-68.1	-57.71	10.48	12.00	V
	14464.00	-50.91	-40	-10.91	-68.07	-52.61	11.80	13.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



SA n26(90S) / NR 20MHz / QPSK / ANT0(NR)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1629.24	-63.30	-13	-50.30	-73.18	-66.55	4.00	9.40	H
	2443.36	-63.04	-13	-50.04	-77.58	-66.61	4.88	10.60	H
	3258.48	-61.45	-13	-48.45	-78.29	-66.38	5.52	12.60	H
	1629.24	-63.53	-13	-50.53	-73.31	-66.78	4.00	9.40	V
	2443.36	-62.88	-13	-49.88	-77.40	-66.45	4.88	10.60	V
	3258.48	-61.52	-13	-48.52	-78.22	-66.45	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

SA n12 / NR 15MHz / QPSK / ANT0(NR)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1401.3	-64.80	-13	-51.80	-75.52	-68.05	4.00	9.40	H
	2102	-63.67	-13	-50.67	-76.70	-67.24	4.88	10.60	H
	2802.6	-61.99	-13	-48.99	-77.97	-66.92	5.52	12.60	H
	1401.3	-65.06	-13	-52.06	-75.34	-68.31	4.00	9.40	V
	2102	-63.87	-13	-50.87	-76.85	-67.44	4.88	10.60	V
	2802.6	-61.50	-13	-48.50	-77.67	-66.43	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ENDC_48A_n12A / LTE 10MHz + NR 15MHz / QPSK / ANT5(LTE) & ANT0(NR)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n12 Middle	1401.3	-59.40	-13	-46.40	-50.96	-62.65	4.00	9.40	H
	2102	-66.04	-13	-53.04	-59.11	-69.61	4.88	10.60	H
	2802.6	-64.99	-13	-51.99	-60.01	-69.92	5.52	12.60	H
	1401.3	-64.88	-13	-51.88	-56.00	-68.13	4.00	9.40	V
	2102	-66.11	-13	-53.11	-59.13	-69.68	4.88	10.60	V
	2802.6	-64.69	-13	-51.69	-59.90	-69.62	5.52	12.60	V
LTE Band48 Middle	7232.00	-59.37	-40	-19.37	-65.31	-62.67	8.30	11.60	H
	10848.00	-55.45	-40	-15.45	-67.73	-56.97	10.48	12.00	H
	14464.00	-49.66	-40	-9.66	-67.40	-51.36	11.80	13.50	H
	7232.00	-59.19	-40	-19.19	-65.44	-62.49	8.30	11.60	V
	10848.00	-55.88	-40	-15.88	-67.79	-57.40	10.48	12.00	V
	14464.00	-50.89	-40	-10.89	-68.05	-52.59	11.80	13.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



SA n7 / NR 50MHz / QPSK / ANT1(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5021.69	-59.27	-13	-46.27	-81.30	-64.83	7.14	12.70	H
	7532.54	-50.93	-13	-37.93	-77.73	-54.23	8.30	11.60	H
	10043.38	-43.02	-13	-30.02	-74.50	-44.54	10.48	12.00	H
	5021.69	-59.14	-13	-46.14	-81.26	-64.70	7.14	12.70	V
	7532.54	-53.35	-13	-40.35	-80.13	-56.65	8.30	11.60	V
	10043.38	-50.31	-13	-37.31	-80.23	-51.83	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ENDC_7A_n7A / LTE 10MHz + NR 50MHz / QPSK / ANT0(LTE) & ANT1(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n7 Middle	5021.69	-60.00	-13	-47.00	-82.03	-65.56	7.14	12.70	H
	7532.54	-54.33	-13	-41.33	-81.13	-57.63	8.30	11.60	H
	10043.38	-50.14	-13	-37.14	-81.62	-51.66	10.48	12.00	H
	5021.69	-59.71	-13	-46.71	-81.83	-65.27	7.14	12.70	V
	7532.54	-54.61	-13	-41.61	-81.39	-57.91	8.30	11.60	V
	10043.38	-51.39	-13	-38.39	-81.31	-52.91	10.48	12.00	V
LTE Band7 Middle	5070.00	-60.31	-13	-47.31	-82.30	-65.87	7.14	12.70	H
	7605.00	-54.36	-13	-41.36	-81.00	-57.66	8.30	11.60	H
	10140.00	-50.04	-13	-37.04	-81.40	-51.56	10.48	12.00	H
	5070.00	-60.06	-13	-47.06	-82.19	-65.62	7.14	12.70	V
	7605.00	-54.65	-13	-41.65	-81.23	-57.95	8.30	11.60	V
	10140.00	-51.35	-13	-38.35	-81.38	-52.87	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

SA n41 / NR 100MHz / QPSK / ANT1(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5089.00	-51.00	-13	-38.00	-72.92	-56.56	7.14	12.70	H
	7633.50	-48.46	-13	-35.46	-75.11	-51.76	8.30	11.60	H
	10178.00	-49.58	-13	-36.58	-80.90	-51.10	10.48	12.00	H
	5089.00	-54.97	-13	-41.97	-77.07	-60.53	7.14	12.70	V
	7633.50	-53.64	-13	-40.64	-80.21	-56.94	8.30	11.60	V
	10178.00	-50.58	-13	-37.58	-80.65	-52.10	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



ENDC_41A_n41A / LTE 10MHz + NR 100MHz / QPSK / ANT0(LTE) & ANT1(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n41 Middle	5089.00	-58.14	-13	-45.14	-80.06	-63.70	7.14	12.70	H
	7633.50	-54.12	-13	-41.12	-80.77	-57.42	8.30	11.60	H
	10178.00	-50.22	-13	-37.22	-81.54	-51.74	10.48	12.00	H
	5089.00	-52.01	-13	-39.01	-74.11	-57.57	7.14	12.70	V
	7633.50	-54.36	-13	-41.36	-80.93	-57.66	8.30	11.60	V
	10178.00	-51.24	-13	-38.24	-81.31	-52.76	10.48	12.00	V
LTE Band41 Middle	5168.00	-59.72	-13	-46.72	-81.54	-65.28	7.14	12.70	H
	7752.00	-54.11	-13	-41.11	-80.90	-57.41	8.30	11.60	H
	10336.00	-50.30	-13	-37.30	-81.43	-51.82	10.48	12.00	H
	5168.00	-59.77	-13	-46.77	-81.86	-65.33	7.14	12.70	V
	7752.00	-54.52	-13	-41.52	-81.16	-57.82	8.30	11.60	V
	10336.00	-51.41	-13	-38.41	-81.63	-52.93	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ENDC_n41AA / LTE 10MHz + NR 100MHz / QPSK / ANT0(LTE) & ANT1(NR)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n41 Middle	5113.81	-59.12	-13	-46.12	-81.02	-64.68	7.14	12.70	H
	7670.71	-53.24	-13	-40.24	-79.92	-56.54	8.30	11.60	H
	10227.62	-49.30	-13	-36.30	-80.56	-50.82	10.48	12.00	H
	5113.81	-58.94	-13	-45.94	-81.04	-64.50	7.14	12.70	V
	7670.71	-53.72	-13	-40.72	-80.31	-57.02	8.30	11.60	V
	10227.62	-50.85	-13	-37.85	-80.97	-52.37	10.48	12.00	V
LTE Band41 Middle	5218.20	-59.45	-13	-46.45	-81.18	-65.01	7.14	12.70	H
	7827.30	-53.55	-13	-40.55	-80.66	-56.85	8.30	11.60	H
	10436.40	-49.94	-13	-36.94	-80.95	-51.46	10.48	12.00	H
	5218.20	-59.13	-13	-46.13	-81.11	-64.69	7.14	12.70	V
	7827.30	-53.77	-13	-40.77	-80.68	-57.07	8.30	11.60	V
	10436.40	-50.95	-13	-37.95	-81.28	-52.47	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

n41 UL MIMO / NR 100MHz / QPSK / ANT0(NR) & ANT1(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5088.34	-51.15	-13	-38.15	-73.11	-56.71	7.14	12.70	H
	7632.51	-51.81	-13	-38.81	-78.46	-55.11	8.30	11.60	H
	10176.68	-49.33	-13	-36.33	-80.65	-50.85	10.48	12.00	H
	5088.34	-55.17	-13	-42.17	-77.29	-60.73	7.14	12.70	V
	7632.51	-54.21	-13	-41.21	-80.78	-57.51	8.30	11.60	V
	10176.68	-50.98	-13	-37.98	-81.05	-52.50	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



CA_n41C / NR 100+90MHz / QPSK / ANT1(NR) for 1RB0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5191.02	-60.38	-13	-47.38	-82.14	-65.94	7.14	12.70	H
	7786.53	-54.24	-13	-41.24	-81.06	-57.54	8.30	11.60	H
	10382.04	-50.80	-13	-37.80	-81.87	-52.32	10.48	12.00	H
	5191.02	-59.67	-13	-46.67	-81.74	-65.23	7.14	12.70	V
	7786.53	-54.71	-13	-41.71	-81.36	-58.01	8.30	11.60	V
	10382.04	-51.48	-13	-38.48	-81.75	-53.00	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

SA_n71 / NR 20MHz / QPSK / ANT5(NR)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1342	-62.26	-13	-49.26	-72.32	-65.51	4.00	9.40	H
	2013	-64.93	-13	-51.93	-76.29	-68.50	4.88	10.60	H
	2684	-61.99	-13	-48.99	-77.24	-66.92	5.52	12.60	H
	1342	-64.80	-13	-51.80	-74.49	-68.05	4.00	9.40	V
	2013	-65.02	-13	-52.02	-76.27	-68.59	4.88	10.60	V
	2684	-62.05	-13	-49.05	-77.32	-66.98	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ENDC_48A_n71A / LTE 10MHz + NR 20MHz / QPSK / ANT5(LTE) & ANT0(NR)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n71 Middle	1342	-63.70	-13	-50.70	-73.76	-66.95	4.00	9.40	H
	2013	-64.69	-13	-51.69	-76.05	-68.26	4.88	10.60	H
	2684	-61.98	-13	-48.98	-77.23	-66.91	5.52	12.60	H
	1342	-63.97	-13	-50.97	-73.66	-67.22	4.00	9.40	V
	2013	-64.82	-13	-51.82	-76.07	-68.39	4.88	10.60	V
	2684	-61.81	-13	-48.81	-77.08	-66.74	5.52	12.60	V
LTE Band48 Middle	7232.00	-59.30	-40	-19.30	-65.24	-62.60	8.30	7232.00	H
	10848.00	-55.18	-40	-15.18	-67.46	-56.70	10.48	10848.00	H
	14464.00	-49.92	-40	-9.92	-67.66	-51.62	11.80	14464.00	H
	7232.00	-59.08	-40	-19.08	-65.33	-62.38	8.30	7232.00	V
	10848.00	-55.70	-40	-15.70	-67.61	-57.22	10.48	10848.00	V
	14464.00	-50.14	-40	-10.14	-67.30	-51.84	11.80	14464.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



SA n77 / NR 100MHz / QPSK / ANT5(NR) for 270									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7582.36	-49.87	-13	-36.87	-76.52	-53.17	8.30	11.60	H
	11373.54	-49.39	-13	-36.39	-82.40	-50.91	10.48	12.00	H
	15164.72	-45.86	-13	-32.86	-82.97	-47.56	11.80	13.50	H
	7582.36	-53.09	-13	-40.09	-79.7	-56.39	8.30	11.60	V
	11373.54	-50.00	-13	-37.00	-82.74	-51.52	10.48	12.00	V
	15164.72	-46.48	-13	-33.48	-82.94	-48.18	11.80	13.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ENDC_48A_n77A / LTE 10MHz + NR 100MHz / QPSK / ANT4(LTE) & ANT5(NR) for 270									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n77 Middle	7582.36	-56.56	-13	-43.56	-62.54	-59.86	8.30	11.60	H
	11373.54	-54.58	-13	-41.58	-68.32	-56.10	10.48	12.00	H
	15164.72	-51.28	-13	-38.28	-68.52	-52.98	11.80	13.50	H
	7582.36	-54.62	-13	-41.62	-60.56	-57.92	8.30	11.60	V
	11373.54	-54.40	-13	-41.40	-67.87	-55.92	10.48	12.00	V
	15164.72	-52.22	-13	-39.22	-68.81	-53.92	11.80	13.50	V
LTE Band48 Middle	7232.00	-59.06	-40	-19.06	-65.00	-62.36	8.30	11.60	H
	10848.00	-55.39	-40	-15.39	-67.67	-56.91	10.48	12.00	H
	14464.00	-49.74	-40	-9.74	-67.48	-51.44	11.80	13.50	H
	7232.00	-58.90	-40	-18.90	-65.15	-62.20	8.30	11.60	V
	10848.00	-55.62	-40	-15.62	-67.53	-57.14	10.48	12.00	V
	14464.00	-50.48	-40	-10.48	-67.64	-52.18	11.80	13.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

n77 UL MIMO / NR 100MHz / QPSK / ANT5(NR) & ANT4(NR) for 270									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7582.36	-55.19	-13	-42.19	-61.17	-58.49	8.30	11.60	H
	11373.54	-54.57	-13	-41.57	-68.31	-56.09	10.48	12.00	H
	15164.72	-51.82	-13	-38.82	-69.06	-53.52	11.80	13.50	H
	7582.36	-57.97	-13	-44.97	-63.91	-61.27	8.30	11.60	V
	11373.54	-54.92	-13	-41.92	-68.39	-56.44	10.48	12.00	V
	15164.72	-52.35	-13	-39.35	-68.94	-54.05	11.80	13.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



CA_n77C / NR 100+90MHz / QPSK / ANT5(NR) for 1RB0 for 27O									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7680.00	-54.04	-13	-41.04	-80.75	-57.34	8.30	11.60	H
	11520.00	-48.40	-13	-35.40	-81.77	-49.92	10.48	12.00	H
	15360.00	-45.26	-13	-32.26	-82.21	-46.96	11.80	13.50	H
	7680.00	-54.24	-13	-41.24	-80.84	-57.54	8.30	11.60	V
	11520.00	-48.65	-13	-35.65	-81.75	-50.17	10.48	12.00	V
	15360.00	-45.73	-13	-32.73	-81.85	-47.43	11.80	13.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

SA_n77 / NR 100MHz / QPSK / ANT5(NR) for 27Q									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6902.38	-59.44	-13	-46.44	-63.88	-62.74	8.30	11.60	H
	10353.57	-55.85	-13	-42.85	-67.06	-57.37	10.48	12.00	H
	13804.76	-53.03	-13	-40.03	-67.76	-54.73	11.80	13.50	H
	6902.38	-58.58	-13	-45.58	-63.5	-61.88	8.30	11.60	V
	10353.57	-57.01	-13	-44.01	-67.35	-58.53	10.48	12.00	V
	13804.76	-53.89	-13	-40.89	-67.96	-55.59	11.80	13.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

ENDC_48A_n77A / LTE 10MHz + NR 100MHz / QPSK / ANT4(LTE) & ANT5(NR) for 27Q									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n77 Middle	6902.38	-58.12	-13	-45.12	-62.56	-61.42	8.30	11.60	H
	10353.57	-55.91	-13	-42.91	-67.12	-57.43	10.48	12.00	H
	13804.76	-53.34	-13	-40.34	-68.07	-55.04	11.80	13.50	H
	6902.38	-59.70	-13	-46.70	-64.62	-63.00	8.30	11.60	V
	10353.57	-56.86	-13	-43.86	-67.2	-58.38	10.48	12.00	V
	13804.76	-53.92	-13	-40.92	-67.99	-55.62	11.80	13.50	V
LTE Band48 Middle	7232.00	-59.12	-40	-19.12	-65.06	-62.42	8.30	11.60	H
	10848.00	-55.33	-40	-15.33	-67.61	-56.85	10.48	12.00	H
	14464.00	-50.04	-40	-10.04	-67.78	-51.74	11.80	13.50	H
	7232.00	-58.97	-40	-18.97	-65.22	-62.27	8.30	11.60	V
	10848.00	-55.70	-40	-15.70	-67.61	-57.22	10.48	12.00	V
	14464.00	-50.69	-40	-10.69	-67.85	-52.39	11.80	13.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



n77 UL MIMO / NR 100MHz / QPSK / ANT5(NR) & ANT4(NR) for 27Q									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6902.38	-58.71	-13	-45.71	-63.15	-62.01	8.30	11.60	H
	10353.57	-55.99	-13	-42.99	-67.20	-57.51	10.48	12.00	H
	13804.76	-53.48	-13	-40.48	-68.21	-55.18	11.80	13.50	H
	6902.38	-59.03	-13	-46.03	-63.95	-62.33	8.30	11.60	V
	10353.57	-56.51	-13	-43.51	-66.85	-58.03	10.48	12.00	V
	13804.76	-53.87	-13	-40.87	-67.94	-55.57	11.80	13.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.