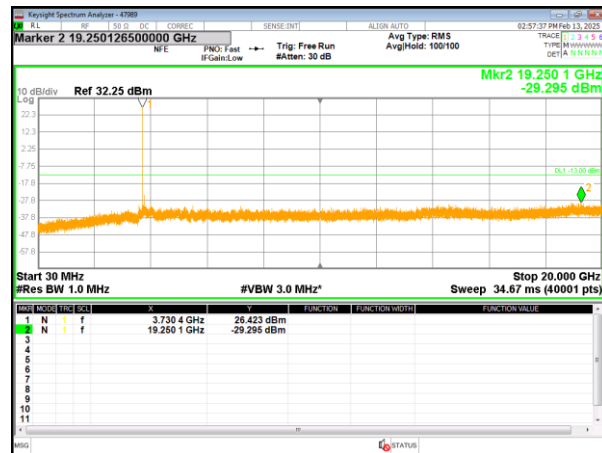
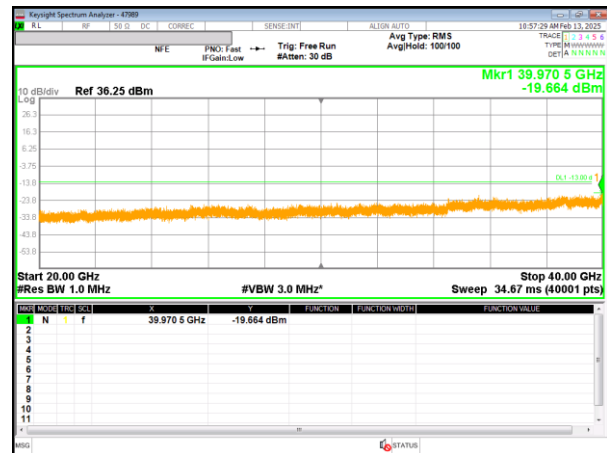


NR Band n77 (PC2, 3700-3980 MHz) (ANT F)

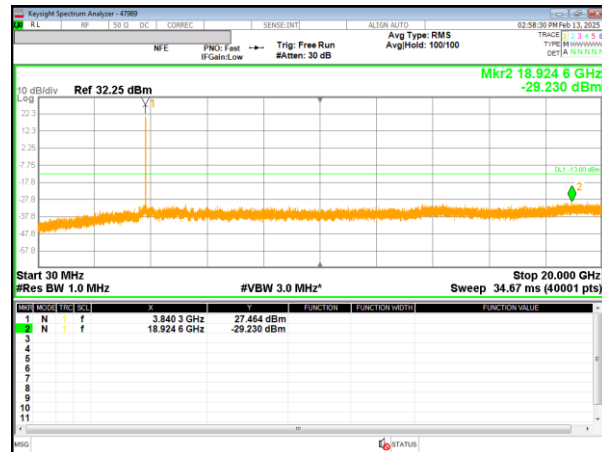
50 MHz QPSK DFT-s_OFDM



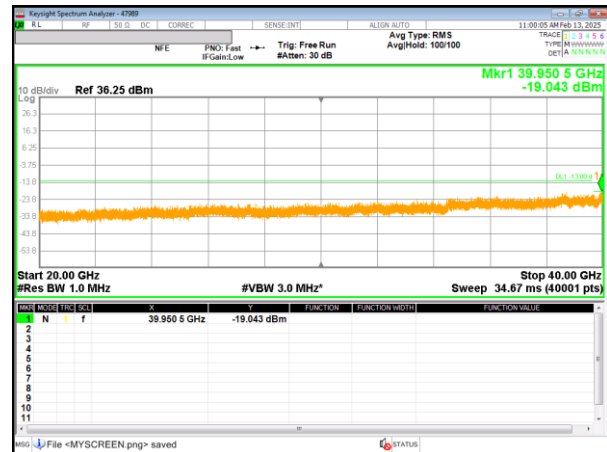
Low channel



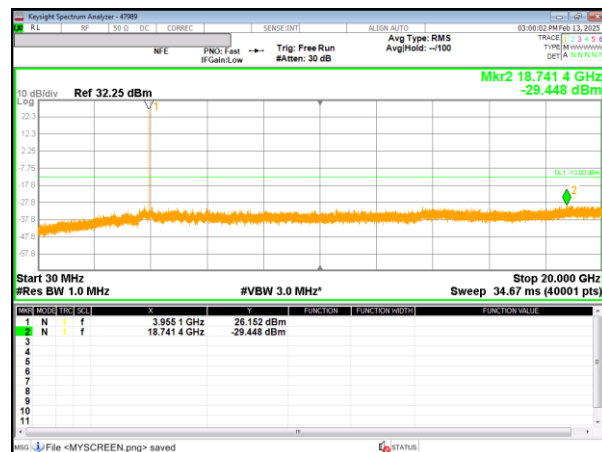
Low channel



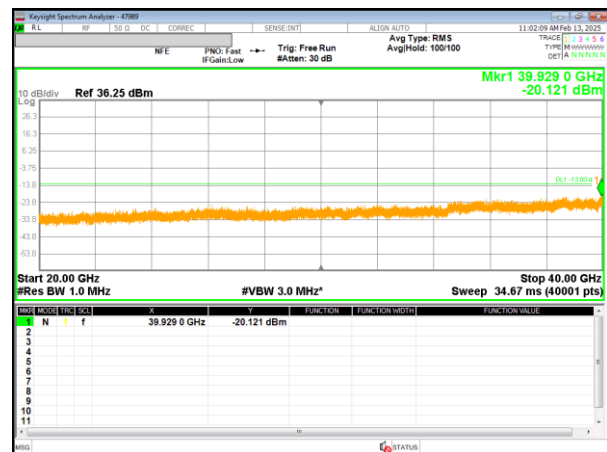
Mid channel



Mid channel



High channel



High channel

8.6. FREQUENCY STABILITY

RULE PART(S)

FCC: §2.1055, §27.54

LIMITS

Part 27.54

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

TEST PROCEDURE

Per KDB 971168 D01 Power Meas License Digital Systems v03r01

NOTE

Test were performed each lowest or highest frequency on the modulation condition of more wide bandwidth.(Please refer to OBW results)

RESULTS

See the following pages.

8.6.1. FREQUENCY STABILITY RESULT

WCDMA Band 4 (Lowest Frequency: HSDPA / Highest Frequency: HSDPA) (ANT A)

Test Date	2025-01-27
Test Engineer	47989

Limit		1710	1755	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	1710.3199	1754.6767	50.8	0.029
Extreme (50C)		1710.3200	1754.6767		
Extreme (40C)		1710.3199	1754.6767		
Extreme (30C)		1710.3199	1754.6767		
Extreme (10C)		1710.3199	1754.6767		
Extreme (0C)		1710.3199	1754.6767		
Extreme (-10C)		1710.3199	1754.6767		
Extreme (-20C)		1710.3199	1754.6767		
Extreme (-30C)		1710.3199	1754.6767		
20C	15%	1710.3200	1754.6767	48.6	0.028
	-15%	1710.3199	1754.6767	21.6	0.012
	End Point	1710.3199	1754.6767	18.5	0.011

LTE Band 7 (Lowest Frequency: QPSK / Highest Frequency: QPSK) (ANT B)

Test Date	2025-02-03
Test Engineer	47989

Limit		2500	2570	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	2500.2582	2569.7417	49.9	0.020
Extreme (50C)		2500.2582	2569.7417		
Extreme (40C)		2500.2582	2569.7417		
Extreme (30C)		2500.2582	2569.7417		
Extreme (10C)		2500.2582	2569.7417		
Extreme (0C)		2500.2582	2569.7417		
Extreme (-10C)		2500.2582	2569.7417		
Extreme (-20C)		2500.2582	2569.7417		
Extreme (-30C)		2500.2582	2569.7417		
20C	15%	2500.2582	2569.7417	44.2	0.017
	-15%	2500.2582	2569.7417	21.5	0.008
	End Point	2500.2582	2569.7417	19.5	0.008

LTE Band 12 (Lowest Frequency: 16QAM / Highest Frequency: QPSK) (ANT A)

Test Date	2025-01-03
Test Engineer	47989

Limit		699	716	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	699.1557	715.8438	49.2	0.070
Extreme (50C)		699.1557	715.8438		
Extreme (40C)		699.1557	715.8438		
Extreme (30C)		699.1557	715.8438		
Extreme (10C)		699.1557	715.8438		
Extreme (0C)		699.1557	715.8438		
Extreme (-10C)		699.1557	715.8438		
Extreme (-20C)		699.1557	715.8438		
Extreme (-30C)		699.1557	715.8438		
20C	15%	699.1557	715.8438	48.5	0.069
	-15%	699.1557	715.8438	21.2	0.030
	End Point	699.1557	715.8438	18.6	0.026

LTE Band 13 (Lowest Frequency: QPSK / Highest Frequency: 16QAM) (ANT E)

Test Date	2025-01-06
Test Engineer	47989

Limit		777	787	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	777.2597	786.7443	50.4	0.064
Extreme (50C)		777.2598	786.7443		
Extreme (40C)		777.2597	786.7443		
Extreme (30C)		777.2597	786.7443		
Extreme (10C)		777.2597	786.7443		
Extreme (0C)		777.2597	786.7443		
Extreme (-10C)		777.2597	786.7443		
Extreme (-20C)		777.2597	786.7443		
Extreme (-30C)		777.2597	786.7443		
20C	15%	777.2598	786.7443	47.6	0.061
	-15%	777.2597	786.7443	23.3	0.030
	End Point	777.2597	786.7443	21.8	0.028

LTE Band 30 (Lowest Frequency: QPSK / Highest Frequency: QPSK) (ANT A)

Test Date	2025-02-04
Test Engineer	47989

Limit		2305	2315	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	2305.2547	2314.7505	50.3	0.022
Extreme (50C)		2305.2548	2314.7505		
Extreme (40C)		2305.2547	2314.7505		
Extreme (30C)		2305.2547	2314.7505		
Extreme (10C)		2305.2547	2314.7505		
Extreme (0C)		2305.2547	2314.7505		
Extreme (-10C)		2305.2547	2314.7505		
Extreme (-20C)		2305.2547	2314.7505		
Extreme (-30C)		2305.2547	2314.7505		
20C	15%	2305.2548	2314.7505	48.4	0.021
	-15%	2305.2547	2314.7505	23.6	0.010
	End Point	2305.2547	2314.7505	20.5	0.009

LTE Band 41 (PC3, Lowest Frequency: 16QAM / Highest Frequency: 16QAM) (ANT F)

Test Date	2025-01-13
Test Engineer	47989

Limit		2496	2690	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	2496.2596	2689.7364	50.5	0.019
Extreme (50C)		2496.2597	2689.7364		
Extreme (40C)		2496.2596	2689.7364		
Extreme (30C)		2496.2596	2689.7364		
Extreme (10C)		2496.2596	2689.7364		
Extreme (0C)		2496.2596	2689.7364		
Extreme (-10C)		2496.2596	2689.7364		
Extreme (-20C)		2496.2596	2689.7364		
Extreme (-30C)		2496.2596	2689.7364		
20C	15%	2496.2597	2689.7364	49.8	0.019
	-15%	2496.2596	2689.7364	23.1	0.009
	End Point	2496.2596	2689.7364	22.8	0.009

LTE Band 66 (Lowest Frequency: 16QAM / Highest Frequency: QPSK) (ANT A)

Test Date	2025-01-14
Test Engineer	47989

Limit		1710	1780	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	1710.1563	1779.8446	50.5	0.029
Extreme (50C)		1710.1563	1779.8447		
Extreme (40C)		1710.1563	1779.8446		
Extreme (30C)		1710.1563	1779.8446		
Extreme (10C)		1710.1563	1779.8446		
Extreme (0C)		1710.1563	1779.8446		
Extreme (-10C)		1710.1563	1779.8446		
Extreme (-20C)		1710.1563	1779.8446		
Extreme (-30C)		1710.1563	1779.8446		
20C	15%	1710.1563	1779.8446	46.9	0.027
	-15%	1710.1563	1779.8446	22.8	0.013
	End Point	1710.1563	1779.8446	20.1	0.012

LTE Band 71 (Lowest Frequency: QPSK / Highest Frequency: QPSK) (ANT A)

Test Date	2025-01-15
Test Engineer	47989

Limit		663	698	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	663.2544	697.7469	50.3	0.074
Extreme (50C)		663.2545	697.7470		
Extreme (40C)		663.2544	697.7469		
Extreme (30C)		663.2544	697.7469		
Extreme (10C)		663.2544	697.7469		
Extreme (0C)		663.2544	697.7469		
Extreme (-10C)		663.2544	697.7469		
Extreme (-20C)		663.2544	697.7469		
Extreme (-30C)		663.2544	697.7469		
20C	15%	663.2545	697.7469	48.8	0.072
	-15%	663.2544	697.7469	23.6	0.035
	End Point	663.2544	697.7469	20.8	0.031

NR Band n7 (Lowest Frequency: 16QAM / Highest Frequency: 16QAM) (ANT B)

Test Date	2025-02-03
Test Engineer	47989

Limit		2500	2570	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	2500.2568	2569.7367		
Extreme (50C)		2500.2568	2569.7367	49.8	0.020
Extreme (40C)		2500.2568	2569.7367	46.5	0.018
Extreme (30C)		2500.2568	2569.7367	44.0	0.017
Extreme (10C)		2500.2568	2569.7367	40.8	0.016
Extreme (0C)		2500.2568	2569.7367	38.4	0.015
Extreme (-10C)		2500.2568	2569.7367	35.4	0.014
Extreme (-20C)		2500.2568	2569.7367	32.2	0.013
Extreme (-30C)		2500.2568	2569.7367	29.3	0.012
20C	15%	2500.2568	2569.7367	48.7	0.019
	-15%	2500.2568	2569.7367	23.6	0.009
	End Point	2500.2568	2569.7367	19.4	0.008

NR Band n12 (Lowest Frequency: QPSK / Highest Frequency: QPSK) (ANT E)

Test Date	2025-02-03
Test Engineer	47989

Limit		699	716	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	699.2535	715.7514		
Extreme (50C)		699.2535	715.7514	49.7	0.070
Extreme (40C)		699.2535	715.7514	47.2	0.067
Extreme (30C)		699.2535	715.7514	44.0	0.062
Extreme (10C)		699.2535	715.7514	41.6	0.059
Extreme (0C)		699.2535	715.7514	39.2	0.055
Extreme (-10C)		699.2535	715.7514	36.1	0.051
Extreme (-20C)		699.2535	715.7514	33.1	0.047
Extreme (-30C)		699.2535	715.7514	30.1	0.043
20C	15%	699.2535	715.7514	47.6	0.067
	-15%	699.2535	715.7514	21.6	0.031
	End Point	699.2535	715.7514	18.4	0.026

NR Band n30 (Lowest Frequency: 16QAM / Highest Frequency: 16QAM) (ANT A)

Test Date	2025-02-06
Test Engineer	47989

Limit		2305	2315	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	2305.2546	2314.7432	50.6	0.022
Extreme (50C)		2305.2546	2314.7432		
Extreme (40C)		2305.2546	2314.7432		
Extreme (30C)		2305.2546	2314.7432		
Extreme (10C)		2305.2546	2314.7432		
Extreme (0C)		2305.2546	2314.7432		
Extreme (-10C)		2305.2546	2314.7432		
Extreme (-20C)		2305.2546	2314.7432		
Extreme (-30C)		2305.2546	2314.7432		
20C	15%	2305.2546	2314.7432	47.9	0.021
	-15%	2305.2546	2314.7432	23.1	0.010
	End Point	2305.2546	2314.7432	20.5	0.009

NR Band n41 (PC2, Lowest Frequency: 16QAM / Highest Frequency: 16QAM) (ANT B)

Test Date	2025-02-06
Test Engineer	47989

Normal (20C)		2496	2690	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	2496.7025	2689.3229	50.7	0.020
Extreme (50C)		2496.7025	2689.3229		
Extreme (40C)		2496.7025	2689.3229		
Extreme (30C)		2496.7025	2689.3229		
Extreme (10C)		2496.7025	2689.3229		
Extreme (0C)		2496.7025	2689.3229		
Extreme (-10C)		2496.7025	2689.3229		
Extreme (-20C)		2496.7025	2689.3229		
Extreme (-30C)		2496.7025	2689.3229		
20C	15%	2496.7025	2689.3229	47.8	0.018
	-15%	2496.7025	2689.3229	21.6	0.008
	End Point	2496.7025	2689.3229	18.4	0.007

NR Band n66 (Lowest Frequency: 16QAM / Highest Frequency: 16QAM) (ANT A)

Test Date	2025-01-10
Test Engineer	47989

Limit		1710	1780	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	1710.2589	1779.7426		
Extreme (50C)		1710.2589	1779.7426	48.8	0.028
Extreme (40C)		1710.2589	1779.7426	46.7	0.027
Extreme (30C)		1710.2589	1779.7426	43.7	0.025
Extreme (10C)		1710.2589	1779.7426	40.7	0.023
Extreme (0C)		1710.2589	1779.7426	38.4	0.022
Extreme (-10C)		1710.2589	1779.7426	36.4	0.021
Extreme (-20C)		1710.2589	1779.7426	33.5	0.019
Extreme (-30C)		1710.2589	1779.7426	30.7	0.018
20C	15%	1710.2589	1779.7426	48.9	0.028
	-15%	1710.2589	1779.7426	22.4	0.013
	End Point	1710.2589	1779.7426	20.8	0.012

NR Band n70 (Lowest Frequency: QPSK / Highest Frequency: QPSK) (ANT A)

Test Date	2025-01-20
Test Engineer	47989

Limit		1695	1710	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	1695.2484	1709.7474		
Extreme (50C)		1695.2484	1709.7474	50.4	0.030
Extreme (40C)		1695.2484	1709.7474	48.3	0.028
Extreme (30C)		1695.2484	1709.7474	45.8	0.027
Extreme (10C)		1695.2484	1709.7474	42.9	0.025
Extreme (0C)		1695.2484	1709.7474	40.1	0.024
Extreme (-10C)		1695.2484	1709.7474	36.6	0.021
Extreme (-20C)		1695.2484	1709.7474	33.3	0.020
Extreme (-30C)		1695.2484	1709.7474	30.7	0.018
20C	15%	1695.2484	1709.7474	48.4	0.028
	-15%	1695.2484	1709.7474	21.3	0.013
	End Point	1695.2484	1709.7474	17.5	0.010

NR Band n71 (Lowest Frequency: 16QAM / Highest Frequency: 16QAM) (ANT E)

Test Date	2520-01-22
Test Engineer	47989

Limit		663	698	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	663.2593	697.7528		
Extreme (50C)		663.2593	697.7528	48.5	0.071
Extreme (40C)		663.2593	697.7528	45.5	0.067
Extreme (30C)		663.2593	697.7528	43.0	0.063
Extreme (10C)		663.2593	697.7528	41.6	0.061
Extreme (0C)		663.2593	697.7528	38.9	0.057
Extreme (-10C)		663.2593	697.7528	36.6	0.054
Extreme (-20C)		663.2593	697.7528	34.6	0.051
Extreme (-30C)		663.2593	697.7528	31.2	0.046
20C	15%	663.2593	697.7528	46.8	0.069
	-15%	663.2593	697.7528	20.6	0.030
	End Point	663.2593	697.7528	18.8	0.028

NR Band n77 (PC2, 3450-3550 MHz)

(Lowest Frequency: 16QAM / Highest Frequency: 16QAM) (ANT F)

Test Date	2025-02-10
Test Engineer	47989

Limit		3450	3550	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	3450.6993	3549.2975		
Extreme (50C)		3450.6993	3549.2975	48.5	0.014
Extreme (40C)		3450.6993	3549.2975	46.0	0.013
Extreme (30C)		3450.6993	3549.2975	43.7	0.012
Extreme (10C)		3450.6993	3549.2975	41.3	0.012
Extreme (0C)		3450.6993	3549.2975	38.0	0.011
Extreme (-10C)		3450.6993	3549.2975	35.4	0.010
Extreme (-20C)		3450.6993	3549.2975	33.4	0.010
Extreme (-30C)		3450.6993	3549.2975	30.7	0.009
20C	15%	3450.6993	3549.2975	46.8	0.013
	-15%	3450.6993	3549.2975	21.3	0.006
	End Point	3450.6993	3549.2975	18.5	0.005

NR Band n77 (PC2, 3700-3980 MHz)

(Lowest Frequency: 16QAM / Highest Frequency: QPSK) (ANT F)

Test Date	2025-02-10
Test Engineer	47989

Limit		3700	3980	Delta (Hz)	Frequency Stability (ppm)		
Condition		F low @ End of OBW	F high @ End of OBW				
Temperature	Voltage	(MHz)	(MHz)				
Normal (20C)	Normal	3700.6942	3979.3060	50.6	0.013		
Extreme (50C)		3700.6943	3979.3061				
Extreme (40C)		3700.6942	3979.3060			47.5	0.012
Extreme (30C)		3700.6942	3979.3060			44.5	0.012
Extreme (10C)		3700.6942	3979.3060			42.2	0.011
Extreme (0C)		3700.6942	3979.3060			39.3	0.010
Extreme (-10C)		3700.6942	3979.3060			36.0	0.009
Extreme (-20C)		3700.6942	3979.3060			32.5	0.008
Extreme (-30C)		3700.6942	3979.3060			29.3	0.008
20C	15%	3700.6943	3979.3060	47.9	0.012		
	-15%	3700.6942	3979.3060	23.1	0.006		
	End Point	3700.6942	3979.3060	19.5	0.005		

9. RADIATED RESULTS

9.1. RADIATED POWER (ERP & EIRP)

RULE PART(S)

FCC: §2.1046, §27.50

LIMITS

§27.50:

(a)(3) Mobile and portable stations. (i) For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth. For mobile and portable stations using time division duplexing (TDD) technology, the duty cycle must not exceed 38 percent in the 2305-2315 MHz and 2350-2360 MHz bands. Mobile and portable stations using FDD technology are restricted to transmitting in the 2305-2315 MHz band. Power averaging shall not

(b)(10) Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

(c) (10) - Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

(d)(4) Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

(h) The following power limits shall apply in the BRS and EBS:

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

(j)(3) Mobile and portable stations are limited to 1 Watt EIRP. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

(k)(3) Mobile devices are limited to 1Watt (30 dBm) EIRP. Mobile devices operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

TEST PROCEDURE

ANSI / TIA / EIA 603 E Clause 2.2.17; ESU40 setting reference to 971168 D01 v03r01

For radiated output power measurement with a ESU40:

- a) Set the RBW $\geq$ OBW;
- b) Set VBW $\geq 3 \times$ RBW;
- c) Set span $\geq 2 \times$ RBW;
- d) Sweep time = auto couple or 1 second;
- e) Detector = rms;
- f) Ensure that the number of measurement points $\geq 2 \times$ span/RBW;
- g) Trace Mode = max hold(WCDMA), average(LTE, 5G NR);

TEST RESULTS

See the following pages.

9.1.1. ERP/EIRP RESULT

WCDMA (ANT A)

Band	Mode	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
Band 4	REL99	1712.40	17.68	V	4.32	9.47	22.84	192.31	30.00	-7.16
		1732.60	18.45	V	4.35	9.54	23.64	231.21	30.00	-6.36
		1752.60	18.81	V	4.37	9.60	24.05	254.10	30.00	-5.95
	HSDPA	1712.40	16.90	V	4.32	9.47	22.06	160.69	30.00	-7.94
		1732.60	17.48	V	4.35	9.54	22.67	184.93	30.00	-7.33
		1752.60	17.94	V	4.37	9.60	23.18	207.97	30.00	-6.82

LTE Band 7 (ANT B)

BW (MHz)	MoHulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
20	QPSK	2510.00	18.98	H	5.25	10.04	23.76	237.68	33.00	-9.24	1/0
		2535.00	18.76	H	5.28	9.99	23.47	222.33	33.00	-9.53	1/0
		2560.00	18.69	H	5.31	9.95	23.33	215.28	33.00	-9.67	1/0
	16-QAM	2510.00	18.13	H	5.25	10.04	22.92	195.88	33.00	-10.08	1/0
		2535.00	17.75	H	5.28	9.99	22.46	176.20	33.00	-10.54	1/99
		2560.00	17.80	H	5.31	9.95	22.44	175.39	33.00	-10.56	1/99
15	QPSK	2507.50	19.06	H	5.25	10.04	23.85	242.66	33.00	-9.15	1/0
		2535.00	18.71	H	5.28	9.99	23.41	219.28	33.00	-9.59	1/0
		2562.50	18.76	H	5.31	9.94	23.39	218.27	33.00	-9.61	1/74
	16-QAM	2507.50	17.88	H	5.25	10.04	22.67	184.93	33.00	-10.33	1/0
		2535.00	17.75	H	5.28	9.99	22.45	175.79	33.00	-10.55	1/0
		2562.50	17.87	H	5.31	9.94	22.50	177.83	33.00	-10.50	1/37
10	QPSK	2505.00	18.99	H	5.25	10.05	23.79	239.33	33.00	-9.21	1/0
		2535.00	18.72	H	5.28	9.99	23.42	219.79	33.00	-9.58	1/0
		2565.00	18.67	H	5.32	9.94	23.30	213.80	33.00	-9.70	1/25
	16-QAM	2505.00	17.93	H	5.25	10.05	22.73	187.50	33.00	-10.27	1/0
		2535.00	17.60	H	5.28	9.99	22.30	169.82	33.00	-10.70	1/0
		2565.00	17.84	H	5.32	9.94	22.47	176.60	33.00	-10.53	1/0
5	QPSK	2502.50	19.19	H	5.25	10.05	23.99	250.61	33.00	-9.01	1/12
		2535.00	18.93	H	5.28	9.99	23.63	230.67	33.00	-9.37	1/24
		2567.50	18.81	H	5.32	9.94	23.43	220.29	33.00	-9.57	1/0
	16-QAM	2502.50	17.97	H	5.25	10.05	22.77	189.23	33.00	-10.23	1/12
		2535.00	17.89	H	5.28	9.99	22.59	181.55	33.00	-10.41	1/24
		2567.50	17.94	H	5.32	9.94	22.56	180.30	33.00	-10.44	1/24

LTE Band 7 (ANT F)

BW (MHz)	MoHulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
20	QPSK	2510.00	19.02	H	5.25	10.04	23.80	239.88	33.00	-9.20	1/0
		2535.00	18.61	H	5.28	9.99	23.31	214.29	33.00	-9.69	1/99
		2560.00	18.68	H	5.31	9.95	23.32	214.78	33.00	-9.68	1/49
	16-QAM	2510.00	18.26	H	5.25	10.04	23.04	201.37	33.00	-9.96	1/0
		2535.00	17.71	H	5.28	9.99	22.41	174.18	33.00	-10.59	1/49
		2560.00	17.62	H	5.31	9.95	22.26	168.27	33.00	-10.74	1/49
15	QPSK	2507.50	18.85	H	5.25	10.04	23.64	231.21	33.00	-9.36	1/37
		2535.00	18.53	H	5.28	9.99	23.23	210.38	33.00	-9.77	1/0
		2562.50	18.70	H	5.31	9.94	23.33	215.28	33.00	-9.67	1/37
	16-QAM	2507.50	18.12	H	5.25	10.04	22.91	195.43	33.00	-10.09	1/37
		2535.00	17.44	H	5.28	9.99	22.14	163.68	33.00	-10.86	1/74
		2562.50	17.45	H	5.31	9.94	22.08	161.44	33.00	-10.92	1/37
10	QPSK	2505.00	18.85	H	5.25	10.05	23.65	231.74	33.00	-9.35	1/0
		2535.00	18.54	H	5.28	9.99	23.24	210.86	33.00	-9.76	1/25
		2565.00	18.59	H	5.32	9.94	23.22	209.89	33.00	-9.78	1/25
	16-QAM	2505.00	18.12	H	5.25	10.05	22.92	195.88	33.00	-10.08	1/25
		2535.00	17.50	H	5.28	9.99	22.20	165.96	33.00	-10.80	1/25
		2565.00	17.48	H	5.32	9.94	22.11	162.55	33.00	-10.89	1/25
5	QPSK	2502.50	18.84	H	5.25	10.05	23.64	231.21	33.00	-9.36	1/12
		2535.00	18.55	H	5.28	9.99	23.25	211.35	33.00	-9.75	1/12
		2567.50	18.68	H	5.32	9.94	23.30	213.80	33.00	-9.70	1/12
	16-QAM	2502.50	18.30	H	5.25	10.05	23.10	204.17	33.00	-9.90	1/24
		2535.00	17.75	H	5.28	9.99	22.45	175.79	33.00	-10.55	1/24
		2567.50	17.65	H	5.32	9.94	22.27	168.66	33.00	-10.73	1/12

LTE Band 12 (ANT A)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
10	QPSK	704.00	20.42	H	2.79	-1.34	16.29	42.56	34.77	-18.48	1/0
		707.50	20.35	H	2.80	-1.34	16.21	41.78	34.77	-18.56	1/0
		711.00	20.47	H	2.81	-1.33	16.33	42.95	34.77	-18.44	1/25
	16-QAM	704.00	19.55	H	2.79	-1.34	15.42	34.83	34.77	-19.35	1/0
		707.50	19.59	H	2.80	-1.34	15.45	35.08	34.77	-19.32	1/0
		711.00	19.66	H	2.81	-1.33	15.52	35.65	34.77	-19.25	1/25
5	QPSK	701.50	20.36	H	2.79	-1.35	16.22	41.88	34.77	-18.55	1/24
		707.50	20.22	H	2.80	-1.34	16.08	40.55	34.77	-18.69	1/12
		713.50	20.64	H	2.81	-1.32	16.51	44.77	34.77	-18.26	1/12
	16-QAM	701.50	19.62	H	2.79	-1.35	15.48	35.32	34.77	-19.29	1/0
		707.50	19.53	H	2.80	-1.34	15.39	34.59	34.77	-19.38	1/12
		713.50	20.14	H	2.81	-1.32	16.01	39.90	34.77	-18.76	1/12
3	QPSK	700.50	19.25	H	2.79	-1.35	15.11	32.43	34.77	-19.66	1/8
		707.50	19.31	H	2.80	-1.34	15.17	32.89	34.77	-19.60	1/8
		714.50	19.94	H	2.82	-1.32	15.80	38.02	34.77	-19.97	1/8
	16-QAM	700.50	19.60	H	2.79	-1.35	15.46	35.16	34.77	-19.31	1/8
		707.50	19.58	H	2.80	-1.34	15.44	34.99	34.77	-19.33	1/14
		714.50	20.22	H	2.82	-1.32	16.08	40.55	34.77	-18.69	1/8
1.4	QPSK	699.70	19.14	H	2.78	-1.35	15.01	31.70	34.77	-19.76	1/5
		707.50	19.14	H	2.80	-1.34	15.00	31.62	34.77	-19.77	1/5
		715.30	19.84	H	2.82	-1.32	15.70	37.15	34.77	-19.07	1/3
	16-QAM	699.70	18.95	H	2.78	-1.35	14.82	30.34	34.77	-19.95	1/5
		707.50	18.98	H	2.80	-1.34	14.84	30.48	34.77	-19.93	1/0
		715.30	19.68	H	2.82	-1.32	15.54	35.81	34.77	-19.23	1/0

LTE Band 12 (ANT E)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
10	QPSK	704.00	23.30	V	2.79	-1.34	19.16	82.41	34.77	-15.61	1/25
		707.50	23.39	V	2.80	-1.34	19.25	84.14	34.77	-15.52	1/25
		711.00	22.69	V	2.81	-1.33	18.56	71.78	34.77	-16.21	1/25
	16-QAM	704.00	22.52	V	2.79	-1.34	18.38	68.87	34.77	-16.39	1/25
		707.50	22.53	V	2.80	-1.34	18.39	69.02	34.77	-16.38	1/49
		711.00	21.78	V	2.81	-1.33	17.65	58.21	34.77	-17.12	1/0
5	QPSK	701.50	23.08	V	2.79	-1.35	18.94	78.34	34.77	-15.83	1/12
		707.50	23.36	V	2.80	-1.34	19.22	83.56	34.77	-15.55	1/12
		713.50	22.70	V	2.81	-1.32	18.56	71.78	34.77	-16.21	1/12
	16-QAM	701.50	22.18	V	2.79	-1.35	18.04	63.68	34.77	-16.73	1/24
		707.50	22.85	V	2.80	-1.34	18.71	74.30	34.77	-16.06	1/0
		713.50	21.58	V	2.81	-1.32	17.44	55.46	34.77	-17.33	1/12
3	QPSK	700.50	21.39	V	2.79	-1.35	17.25	53.09	34.77	-17.52	1/8
		707.50	21.68	V	2.80	-1.34	17.54	56.75	34.77	-17.23	1/8
		714.50	21.75	V	2.82	-1.32	17.61	57.68	34.77	-17.16	1/8
	16-QAM	700.50	21.21	V	2.79	-1.35	17.07	50.93	34.77	-17.70	1/8
		707.50	21.74	V	2.80	-1.34	17.60	57.54	34.77	-17.17	1/0
		714.50	21.76	V	2.82	-1.32	17.62	57.81	34.77	-17.15	1/8
1.4	QPSK	699.70	21.18	V	2.78	-1.35	17.04	50.58	34.77	-17.73	1/0
		707.50	21.52	V	2.80	-1.34	17.38	54.70	34.77	-17.39	1/3
		715.30	21.70	V	2.82	-1.32	17.56	57.02	34.77	-17.21	1/0
	16-QAM	699.70	21.46	V	2.78	-1.35	17.32	53.95	34.77	-17.45	1/3
		707.50	21.55	V	2.80	-1.34	17.41	55.08	34.77	-17.36	1/0
		715.30	21.58	V	2.82	-1.32	17.44	55.46	34.77	-17.33	1/5

LTE Band 13 (ANT A)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
10	QPSK	782.00	20.29	H	2.94	-1.19	16.16	41.30	34.77	-18.61	1/25
	16-QAM	782.00	19.45	H	2.94	-1.19	15.32	34.04	34.77	-19.45	1/49
5	QPSK	779.50	20.32	H	2.94	-1.19	16.20	41.69	34.77	-18.57	1/24
		782.00	20.26	H	2.94	-1.19	16.13	41.02	34.77	-18.64	1/12
		784.50	20.02	H	2.95	-1.18	15.90	38.90	34.77	-18.87	1/0
	16-QAM	779.50	19.58	H	2.94	-1.19	15.46	35.16	34.77	-19.31	1/24
		782.00	19.25	H	2.94	-1.19	15.13	32.58	34.77	-19.64	1/24
		784.50	19.01	H	2.95	-1.18	14.89	30.83	34.77	-19.88	1/0

LTE Band 13 (ANT E)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
10	QPSK	782.00	25.30	V	2.94	-1.19	21.17	130.92	34.77	-13.60	1/0
	16-QAM	782.00	24.33	V	2.94	-1.19	20.20	104.71	34.77	-14.57	1/0
5	QPSK	779.50	25.13	V	2.94	-1.19	21.00	125.89	34.77	-13.77	1/12
		782.00	25.04	V	2.94	-1.19	20.91	123.31	34.77	-13.86	1/24
		784.50	25.25	V	2.95	-1.18	21.12	129.42	34.77	-13.65	1/12
	16-QAM	779.50	24.15	V	2.94	-1.19	20.02	100.46	34.77	-14.75	1/0
		782.00	24.20	V	2.94	-1.19	20.07	101.62	34.77	-14.70	1/24
		784.50	24.25	V	2.95	-1.18	20.12	102.80	34.77	-14.65	1/0

LTE Band 30 (ANT A)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
10	QPSK	2310.00	14.86	H	5.04	9.84	19.67	92.68	24.00	-4.33	1/49
	16-QAM	2310.00	13.90	H	5.04	9.84	18.71	74.30	24.00	-5.29	1/49
5	QPSK	2307.50	14.91	H	5.03	9.83	19.70	93.33	24.00	-4.30	1/24
		2310.00	14.71	H	5.04	9.84	19.52	89.54	24.00	-4.48	1/12
		2312.50	14.93	H	5.04	9.85	19.75	94.41	24.00	-4.25	1/12
		2311.10	13.86	H	5.03	9.83	18.65	73.28	24.00	-5.35	1/24
	16-QAM	2310.00	13.72	H	5.04	9.84	18.53	71.29	24.00	-5.47	1/24
		2308.90	13.84	H	5.04	9.85	18.66	73.45	24.00	-5.34	1/12

LTE Band 30 (ANT F)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
10	QPSK	2310.00	14.31	H	5.04	9.84	19.12	81.66	24.00	-4.88	1/25
	16-QAM	2310.00	13.45	H	5.04	9.84	18.26	66.99	24.00	-5.74	1/25
5	QPSK	2307.50	14.64	H	5.03	9.83	19.43	87.70	24.00	-4.57	1/12
		2310.00	14.28	H	5.04	9.84	19.09	81.10	24.00	-4.91	1/12
		2312.50	14.32	H	5.04	9.85	19.13	81.85	24.00	-4.87	1/12
		2311.10	13.67	H	5.03	9.83	18.46	70.15	24.00	-5.54	1/12
	16-QAM	2310.00	13.35	H	5.04	9.84	18.16	65.46	24.00	-5.84	1/12
		2308.90	13.49	H	5.04	9.85	18.30	67.61	24.00	-5.70	1/12

LTE Band 41 (PC3) (ANT B)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
20	QPSK	2506.00	17.45	V	5.25	10.27	22.46	176.20	33.00	-10.54	1/99
		2593.00	18.03	V	5.34	10.14	22.83	191.87	33.00	-10.17	1/0
		2680.00	17.76	V	5.44	10.18	22.49	177.42	33.00	-10.51	1/99
		2506.00	16.99	V	5.25	10.27	22.00	158.49	33.00	-11.00	1/49
	16-QAM	2593.00	17.25	V	5.34	10.14	22.05	160.32	33.00	-10.95	1/49
		2680.00	16.98	V	5.44	10.18	21.71	148.25	33.00	-11.29	1/99
		2503.50	17.30	V	5.25	10.27	22.32	170.61	33.00	-10.68	1/74
		2593.00	17.93	V	5.34	10.14	22.73	187.50	33.00	-10.27	1/37
15	QPSK	2682.50	17.82	V	5.44	10.18	22.56	180.30	33.00	-10.44	1/37
		2503.50	17.11	V	5.25	10.27	22.13	163.31	33.00	-10.87	1/37
	16-QAM	2593.00	17.17	V	5.34	10.14	21.97	157.40	33.00	-11.03	1/37
		2682.50	16.81	V	5.44	10.18	21.54	142.56	33.00	-11.46	1/74
	QPSK	2501.00	17.50	V	5.24	10.28	22.54	179.47	33.00	-10.46	1/49
		2593.00	18.12	V	5.34	10.14	22.92	195.88	33.00	-10.08	1/25
		2685.00	18.08	V	5.45	10.18	22.81	190.99	33.00	-10.19	1/49
		2501.00	17.15	V	5.24	10.28	22.19	165.58	33.00	-10.81	1/25
10	16-QAM	2593.00	17.28	V	5.34	10.14	22.08	161.44	33.00	-10.92	1/25
		2685.00	17.06	V	5.45	10.18	21.79	151.01	33.00	-11.21	1/25
	QPSK	2498.50	17.58	V	5.24	10.28	22.62	182.81	33.00	-10.38	1/24
		2593.00	18.12	V	5.34	10.14	22.92	195.88	33.00	-10.08	1/12
	16-QAM	2687.50	18.24	V	5.45	10.18	22.98	198.61	33.00	-10.02	1/12
		2498.50	17.05	V	5.24	10.28	22.09	161.81	33.00	-10.91	1/24
		2593.00	17.42	V	5.34	10.14	22.22	166.72	33.00	-10.78	1/12
		2687.50	17.10	V	5.45	10.18	21.84	152.76	33.00	-11.16	1/24

LTE Band 41 (PC3) (ANT F)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
20	QPSK	2506.00	19.47	H	5.25	10.04	24.26	266.69	33.00	-8.74	1/49
		2593.00	19.08	H	5.34	9.90	23.64	231.21	33.00	-9.36	1/49
		2680.00	17.48	H	5.44	9.88	21.91	155.24	33.00	-11.09	1/0
		2506.00	18.72	H	5.25	10.04	23.51	224.39	33.00	-9.49	1/49
	16-QAM	2593.00	18.25	H	5.34	9.90	22.81	190.99	33.00	-10.19	1/99
		2680.00	17.02	H	5.44	9.88	21.45	139.64	33.00	-11.55	1/49
	QPSK	2503.50	19.42	H	5.25	10.05	24.22	264.24	33.00	-8.78	1/37
		2593.00	19.20	H	5.34	9.90	23.76	237.68	33.00	-9.24	1/0
15	16-QAM	2682.50	17.52	H	5.44	9.88	21.96	157.04	33.00	-11.04	1/37
		2503.50	18.82	H	5.25	10.05	23.62	230.14	33.00	-9.38	1/74
		2593.00	18.82	H	5.34	9.90	23.38	217.77	33.00	-9.62	1/0
		2682.50	17.12	H	5.44	9.88	21.56	143.22	33.00	-11.44	1/0
	QPSK	2501.00	19.53	H	5.24	10.05	24.34	271.64	33.00	-8.66	1/25
		2593.00	19.22	H	5.34	9.90	23.78	238.78	33.00	-9.22	1/25
		2685.00	17.48	H	5.45	9.89	21.91	155.24	33.00	-11.09	1/0
		2501.00	18.64	H	5.24	10.05	23.45	221.31	33.00	-9.55	1/49
10	16-QAM	2593.00	18.94	H	5.34	9.90	23.50	223.87	33.00	-9.50	1/25
		2685.00	17.20	H	5.45	9.89	21.63	145.55	33.00	-11.37	1/25
	QPSK	2498.50	19.65	H	5.24	10.06	24.47	279.90	33.00	-8.53	1/12
		2593.00	19.19	H	5.34	9.90	23.75	237.14	33.00	-9.25	1/12
		2687.50	17.46	H	5.45	9.89	21.90	154.88	33.00	-11.10	1/12
	16-QAM	2498.50	18.74	H	5.24	10.06	23.56	226.99	33.00	-9.44	1/24
		2593.00	18.84	H	5.34	9.90	23.40	218.78	33.00	-9.60	1/12
		2687.50	17.14	H	5.45	9.89	21.58	143.88	33.00	-11.42	1/12

LTE Band 66 (ANT A)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
20	QPSK	1720.00	19.49	V	4.33	9.50	24.66	292.42	30.00	-5.34	1/0
		1745.00	19.81	V	4.37	9.58	25.03	318.42	30.00	-4.97	1/49
		1770.00	19.70	V	4.40	9.62	24.92	310.46	30.00	-5.08	1/49
	16-QAM	1720.00	18.59	V	4.33	9.50	23.76	237.68	30.00	-6.24	1/99
		1745.00	18.91	V	4.37	9.58	24.13	258.82	30.00	-5.87	1/49
		1770.00	18.58	V	4.40	9.62	23.81	240.44	30.00	-6.19	1/99
15	QPSK	1717.50	19.92	V	4.32	9.49	25.08	322.11	30.00	-4.92	1/37
		1745.00	19.73	V	4.37	9.58	24.95	312.61	30.00	-5.05	1/37
		1772.50	20.19	V	4.40	9.63	25.42	348.34	30.00	-4.58	1/74
	16-QAM	1717.50	18.88	V	4.32	9.49	24.04	253.51	30.00	-5.96	1/74
		1745.00	18.92	V	4.37	9.58	24.14	259.42	30.00	-5.86	1/0
		1772.50	18.86	V	4.40	9.63	24.09	256.45	30.00	-5.91	1/0
10	QPSK	1715.00	19.32	V	4.32	9.48	24.48	280.54	30.00	-5.52	1/25
		1745.00	19.64	V	4.37	9.58	24.86	306.20	30.00	-5.14	1/49
		1775.00	19.97	V	4.40	9.63	25.20	331.13	30.00	-4.80	1/0
	16-QAM	1715.00	18.34	V	4.32	9.48	23.50	223.87	30.00	-6.50	1/0
		1745.00	19.10	V	4.37	9.58	24.32	270.40	30.00	-5.68	1/25
		1775.00	18.82	V	4.40	9.63	24.05	254.10	30.00	-5.95	1/0
5	QPSK	1712.50	19.22	V	4.32	9.47	24.37	273.53	30.00	-5.63	1/12
		1745.00	19.49	V	4.37	9.58	24.71	295.80	30.00	-5.29	1/24
		1777.50	19.90	V	4.40	9.63	25.14	326.59	30.00	-4.86	1/0
	16-QAM	1712.50	18.35	V	4.32	9.47	23.50	223.87	30.00	-6.50	1/12
		1745.00	19.00	V	4.37	9.58	24.22	264.24	30.00	-5.78	1/0
		1777.50	18.91	V	4.40	9.63	24.15	260.02	30.00	-5.85	1/0
3	QPSK	1711.50	19.11	V	4.31	9.47	24.27	267.30	30.00	-5.73	1/8
		1745.00	19.50	V	4.37	9.58	24.72	296.48	30.00	-5.28	1/8
		1778.50	20.04	V	4.40	9.63	25.28	337.29	30.00	-4.72	1/8
	16-QAM	1711.50	18.60	V	4.31	9.47	23.76	237.68	30.00	-6.24	1/14
		1745.00	18.93	V	4.37	9.58	24.15	260.02	30.00	-5.85	1/8
		1778.50	18.93	V	4.40	9.63	24.17	261.22	30.00	-5.83	1/8
1.4	QPSK	1710.70	19.33	V	4.31	9.47	24.48	280.54	30.00	-5.52	1/3
		1745.00	19.42	V	4.37	9.58	24.64	291.07	30.00	-5.36	1/5
		1779.30	19.99	V	4.40	9.63	25.22	332.66	30.00	-4.78	1/0
	16-QAM	1710.70	18.89	V	4.31	9.47	24.04	253.51	30.00	-5.96	1/3
		1745.00	18.93	V	4.37	9.58	24.15	260.02	30.00	-5.85	1/0
		1779.30	19.17	V	4.40	9.63	24.40	275.42	30.00	-5.60	1/0

LTE Band 66 (ANT F)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
20	QPSK	1720.00	17.49	H	4.33	9.50	22.66	184.50	30.00	-7.34	1/0
		1745.00	16.68	H	4.37	9.58	21.90	154.88	30.00	-8.10	1/99
		1770.00	16.09	H	4.40	9.62	21.31	135.21	30.00	-8.69	1/0
	16-QAM	1720.00	16.08	H	4.33	9.50	21.25	133.35	30.00	-8.75	1/0
		1745.00	15.53	H	4.37	9.58	20.75	118.85	30.00	-9.25	1/49
		1770.00	14.89	H	4.40	9.62	20.12	102.80	30.00	-9.88	1/49
15	QPSK	1717.50	17.58	H	4.32	9.49	22.75	188.36	30.00	-7.25	1/0
		1745.00	16.55	H	4.37	9.58	21.77	150.31	30.00	-8.23	1/37
		1772.50	16.04	H	4.40	9.63	21.27	133.97	30.00	-8.73	1/0
	16-QAM	1717.50	15.99	H	4.32	9.49	21.16	130.62	30.00	-8.84	1/0
		1745.00	15.66	H	4.37	9.58	20.88	122.46	30.00	-9.12	1/37
		1772.50	15.32	H	4.40	9.63	20.55	113.50	30.00	-9.45	1/0
10	QPSK	1715.00	17.49	H	4.32	9.48	22.65	184.08	30.00	-7.35	1/49
		1745.00	16.52	H	4.37	9.58	21.74	149.28	30.00	-8.26	1/0
		1775.00	15.96	H	4.40	9.63	21.19	131.52	30.00	-8.81	1/0
	16-QAM	1715.00	15.80	H	4.32	9.48	20.96	124.74	30.00	-9.04	1/49
		1745.00	15.78	H	4.37	9.58	21.00	125.89	30.00	-9.00	1/0
		1775.00	15.16	H	4.40	9.63	20.39	109.40	30.00	-9.61	1/25
5	QPSK	1712.50	17.34	H	4.32	9.47	22.49	177.42	30.00	-7.51	1/24
		1745.00	16.71	H	4.37	9.58	21.93	155.96	30.00	-8.07	1/0
		1777.50	16.09	H	4.40	9.63	21.33	135.83	30.00	-8.67	1/12
	16-QAM	1712.50	16.02	H	4.32	9.47	21.17	130.92	30.00	-8.83	1/24
		1745.00	15.91	H	4.37	9.58	21.13	129.72	30.00	-8.87	1/12
		1777.50	15.15	H	4.40	9.63	20.39	109.40	30.00	-9.61	1/12
3	QPSK	1711.50	17.09	H	4.31	9.47	22.24	167.49	30.00	-7.76	1/0
		1745.00	16.78	H	4.37	9.58	22.00	158.49	30.00	-8.00	1/8
		1778.50	16.19	H	4.40	9.63	21.43	139.00	30.00	-8.57	1/8
	16-QAM	1711.50	15.51	H	4.31	9.47	20.66	116.41	30.00	-9.34	1/0
		1745.00	15.94	H	4.37	9.58	21.16	130.62	30.00	-8.84	1/8
		1778.50	15.39	H	4.40	9.63	20.63	115.61	30.00	-9.37	1/8
1.4	QPSK	1710.70	17.28	H	4.31	9.47	22.43	174.98	30.00	-7.57	1/3
		1745.00	16.84	H	4.37	9.58	22.06	160.69	30.00	-7.94	1/5
		1779.30	16.51	H	4.40	9.63	21.74	149.28	30.00	-8.26	1/5
	16-QAM	1710.70	15.88	H	4.31	9.47	21.03	126.77	30.00	-8.97	1/0
		1745.00	15.72	H	4.37	9.58	20.94	124.17	30.00	-9.06	1/3
		1779.30	15.36	H	4.40	9.63	20.59	114.55	30.00	-9.41	1/5

LTE Band 71 (ANT A)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
20	QPSK	673.00	19.87	H	2.74	-1.43	15.70	37.15	34.77	-21.45	1/0
		680.50	19.88	H	2.75	-1.41	15.72	37.33	34.77	-21.61	1/0
		688.00	20.76	H	2.76	-1.39	16.61	45.81	34.77	-29.20	1/99
	16-QAM	673.00	18.99	H	2.74	-1.43	14.82	30.34	34.77	-15.52	1/99
		680.50	18.88	H	2.75	-1.41	14.72	29.65	34.77	-14.93	1/49
		688.00	20.01	H	2.76	-1.39	15.86	38.55	34.77	-22.69	1/49
15	QPSK	670.50	19.70	H	2.73	-1.44	15.53	35.73	34.77	-20.20	1/74
		680.50	19.73	H	2.75	-1.41	15.57	36.06	34.77	-20.49	1/37
		690.50	20.59	H	2.77	-1.38	16.44	44.06	34.77	-27.62	1/0
	16-QAM	670.50	18.86	H	2.73	-1.44	14.69	29.44	34.77	-14.75	1/37
		680.50	19.25	H	2.75	-1.41	15.09	32.28	34.77	-17.19	1/37
		690.50	20.01	H	2.77	-1.38	15.86	38.55	34.77	-22.69	1/0
10	QPSK	668.00	19.58	H	2.73	-1.45	15.40	34.67	34.77	-19.27	1/49
		680.50	20.04	H	2.75	-1.41	15.88	38.73	34.77	-22.85	1/25
		693.00	20.16	H	2.77	-1.37	16.01	39.90	34.77	-23.89	1/49
	16-QAM	668.00	19.61	H	2.73	-1.45	15.43	34.91	34.77	-19.48	1/0
		680.50	19.81	H	2.75	-1.41	15.65	36.73	34.77	-21.08	1/0
		693.00	19.90	H	2.77	-1.37	15.75	37.58	34.77	-21.83	1/49
5	QPSK	665.50	19.51	H	2.72	-1.45	15.34	34.20	34.77	-18.86	1/12
		680.50	19.96	H	2.75	-1.41	15.80	38.02	34.77	-22.22	1/12
		695.50	19.92	H	2.78	-1.36	15.78	37.84	34.77	-22.06	1/12
	16-QAM	665.50	19.42	H	2.72	-1.45	15.25	33.50	34.77	-18.25	1/0
		680.50	20.06	H	2.75	-1.41	15.90	38.90	34.77	-23.00	1/24
		695.50	20.02	H	2.78	-1.36	15.88	38.73	34.77	-22.85	1/12

LTE Band 71 (ANT E)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
20	QPSK	673.00	22.09	V	2.74	-1.43	17.92	61.94	34.77	-44.02	1/0
		680.50	22.90	V	2.75	-1.41	18.74	74.82	34.77	-56.08	1/49
		688.00	21.98	V	2.76	-1.39	17.83	60.67	34.77	-42.84	1/49
	16-QAM	673.00	21.27	V	2.74	-1.43	17.10	51.29	34.77	-34.19	1/0
		680.50	22.08	V	2.75	-1.41	17.92	61.94	34.77	-44.02	1/0
		688.00	21.25	V	2.76	-1.39	17.10	51.29	34.77	-34.19	1/99
15	QPSK	670.50	21.89	V	2.73	-1.44	17.72	59.16	34.77	-41.44	1/0
		680.50	22.82	V	2.75	-1.41	18.66	73.45	34.77	-54.79	1/37
		690.50	22.10	V	2.77	-1.38	17.96	62.52	34.77	-44.56	1/0
	16-QAM	670.50	20.55	V	2.73	-1.44	16.38	43.45	34.77	-27.07	1/74
		680.50	22.18	V	2.75	-1.41	18.02	63.39	34.77	-45.37	1/0
		690.50	21.21	V	2.77	-1.38	17.07	50.93	34.77	-33.86	1/0
10	QPSK	668.00	20.70	V	2.73	-1.45	16.53	44.98	34.77	-28.45	1/49
		680.50	21.30	V	2.75	-1.41	17.14	51.76	34.77	-34.62	1/25
		693.00	21.55	V	2.77	-1.37	17.41	55.08	34.77	-37.67	1/0
	16-QAM	668.00	20.17	V	2.73	-1.45	16.00	39.81	34.77	-23.81	1/25
		680.50	21.37	V	2.75	-1.41	17.21	52.60	34.77	-35.39	1/49
		693.00	21.73	V	2.77	-1.37	17.59	57.41	34.77	-39.82	1/25
5	QPSK	665.50	20.74	V	2.72	-1.45	16.57	45.39	34.77	-28.82	1/0
		680.50	21.22	V	2.75	-1.41	17.06	50.82	34.77	-33.76	1/12
		695.50	21.40	V	2.78	-1.36	17.26	53.21	34.77	-35.95	1/0
	16-QAM	665.50	20.34	V	2.72	-1.45	16.17	41.40	34.77	-25.23	1/0
		680.50	21.30	V	2.75	-1.41	17.14	51.76	34.77	-34.62	1/0
		695.50	21.87	V	2.78	-1.36	17.73	59.29	34.77	-41.56	1/0

NR Band n7 DFT-s OFDM (ANT B)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
50	QPSK	2525.00	19.02	H	5.28	10.02	23.76	237.68	30.00	-6.24	1/1
		2535.00	18.64	H	5.28	9.99	23.35	216.27	30.00	-6.65	1/135
		2545.00	18.62	H	5.29	9.96	23.28	212.81	30.00	-6.72	1/1
	16-QAM	2525.00	18.04	H	5.28	10.02	22.78	189.67	30.00	-7.22	1/1
		2535.00	17.42	H	5.28	9.99	22.12	162.93	30.00	-7.98	1/1
		2545.00	17.35	H	5.29	9.96	22.02	159.22	30.00	-7.98	1/1
40	QPSK	2520.00	18.81	H	5.27	10.02	23.57	227.51	30.00	-6.43	1/1
		2535.00	18.53	H	5.28	9.99	23.23	210.38	30.00	-6.77	1/1
		2550.00	18.47	H	5.30	9.96	23.13	205.59	30.00	-6.87	1/1
	16-QAM	2520.00	17.85	H	5.27	10.02	22.61	182.39	30.00	-7.39	1/1
		2535.00	17.44	H	5.28	9.99	22.14	163.68	30.00	-7.86	1/1
		2550.00	17.15	H	5.30	9.96	21.81	151.71	30.00	-8.19	1/1
35	QPSK	2517.50	18.80	H	5.27	10.03	23.56	226.99	30.00	-6.44	1/1
		2535.00	18.57	H	5.28	9.99	23.27	212.32	30.00	-6.73	1/93
		2552.50	18.50	H	5.30	9.95	23.15	206.54	30.00	-6.85	1/1
	16-QAM	2517.50	17.81	H	5.27	10.03	22.57	180.72	30.00	-7.43	1/93
		2535.00	17.38	H	5.28	9.99	22.08	161.44	30.00	-7.92	1/1
		2552.50	17.12	H	5.30	9.95	21.77	150.31	30.00	-8.23	1/1
30	QPSK	2515.00	18.59	H	5.27	10.03	23.35	216.27	30.00	-6.65	1/1
		2535.00	18.51	H	5.28	9.99	23.21	209.41	30.00	-6.79	1/1
		2555.00	18.40	H	5.30	9.95	23.06	202.30	30.00	-6.94	1/1
	16-QAM	2515.00	17.71	H	5.27	10.03	22.47	176.60	30.00	-7.53	1/1
		2535.00	17.33	H	5.28	9.99	22.03	159.59	30.00	-7.97	1/158
		2555.00	17.28	H	5.30	9.95	21.94	156.31	30.00	-8.06	1/1
25	QPSK	2512.50	18.63	H	5.26	10.03	23.40	218.78	30.00	-6.60	1/1
		2535.00	18.49	H	5.28	9.99	23.19	208.45	30.00	-6.81	1/1
		2557.50	18.34	H	5.30	9.95	22.98	198.61	30.00	-7.02	1/67
	16-QAM	2512.50	18.00	H	5.26	10.03	22.77	189.23	30.00	-7.23	1/67
		2535.00	17.36	H	5.28	9.99	22.06	160.69	30.00	-7.94	1/1
		2557.50	17.19	H	5.30	9.95	21.83	152.41	30.00	-8.17	1/1
20	QPSK	2510.00	18.61	H	5.25	10.04	23.39	218.27	30.00	-6.61	1/1
		2535.00	18.45	H	5.28	9.99	23.15	206.54	30.00	-6.85	1/1
		2560.00	18.34	H	5.31	9.95	22.98	198.61	30.00	-7.02	1/1
	16-QAM	2510.00	17.85	H	5.25	10.04	22.63	183.23	30.00	-7.37	1/53
		2535.00	17.36	H	5.28	9.99	22.06	160.69	30.00	-7.94	1/1
		2560.00	17.13	H	5.31	9.95	21.77	150.31	30.00	-8.23	1/1
15	QPSK	2507.50	18.60	H	5.25	10.04	23.39	218.27	30.00	-6.61	1/1
		2535.00	18.42	H	5.28	9.99	23.12	205.12	30.00	-6.88	1/1
		2562.50	18.36	H	5.31	9.94	22.99	199.07	30.00	-7.01	1/1
	16-QAM	2507.50	17.59	H	5.25	10.04	22.38	172.98	30.00	-7.62	1/40
		2535.00	17.33	H	5.28	9.99	22.03	159.59	30.00	-7.97	1/77
		2562.50	16.99	H	5.31	9.94	21.62	145.21	30.00	-8.38	1/1
10	QPSK	2505.00	18.57	H	5.25	10.05	23.37	217.27	30.00	-6.63	1/1
		2535.00	18.36	H	5.28	9.99	23.06	202.30	30.00	-6.94	1/1
		2565.00	18.17	H	5.32	9.94	22.80	190.55	30.00	-7.20	1/1
	16-QAM	2505.00	17.79	H	5.25	10.05	22.59	181.55	30.00	-7.41	1/1
		2535.00	17.31	H	5.28	9.99	22.01	158.85	30.00	-7.99	1/1
		2565.00	16.94	H	5.32	9.94	21.57	143.55	30.00	-8.43	1/26
5	QPSK	2502.50	18.74	H	5.25	10.05	23.54	225.94	30.00	-6.46	1/1
		2535.00	18.31	H	5.28	9.99	23.01	199.99	30.00	-6.99	1/1
		2567.50	18.30	H	5.32	9.94	22.92	195.88	30.00	-7.08	1/1
	16-QAM	2502.50	17.77	H	5.25	10.05	22.57	180.72	30.00	-7.43	1/13
		2535.00	17.32	H	5.28	9.99	22.02	159.22	30.00	-7.98	1/13
		2567.50	16.84	H	5.32	9.94	21.46	139.96	30.00	-8.54	1/13

NR Band n7 DFT-s OFDM (ANT F)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
50	QPSK	2525.00	19.75	H	5.28	10.02	24.49	281.19	30.00	-5.51	1/1
		2535.00	19.35	H	5.28	9.99	24.05	254.10	30.00	-5.95	1/1
		2545.00	18.86	H	5.29	9.96	23.52	224.91	30.00	-6.48	1/1
	16-QAM	2525.00	19.11	H	5.28	10.02	23.85	242.66	30.00	-6.15	1/1
		2535.00	18.37	H	5.28	9.99	23.07	202.77	30.00	-6.93	1/1
		2545.00	17.75	H	5.29	9.96	22.41	174.18	30.00	-7.59	1/135
40	QPSK	2520.00	19.42	H	5.27	10.02	24.18	261.82	30.00	-5.82	1/1
		2535.00	19.29	H	5.28	9.99	23.99	250.61	30.00	-6.01	1/1
		2550.00	18.75	H	5.30	9.96	23.41	219.28	30.00	-6.59	1/1
	16-QAM	2520.00	18.74	H	5.27	10.02	23.50	223.87	30.00	-6.50	1/1
		2535.00	18.09	H	5.28	9.99	22.79	190.11	30.00	-7.21	1/1
		2550.00	17.54	H	5.30	9.96	22.20	165.96	30.00	-7.80	1/1
35	QPSK	2517.50	19.36	H	5.27	10.03	24.12	258.23	30.00	-5.88	1/1
		2535.00	19.25	H	5.28	9.99	23.95	248.31	30.00	-6.05	1/1
		2552.50	18.74	H	5.30	9.95	23.39	218.27	30.00	-6.61	1/93
	16-QAM	2517.50	18.72	H	5.27	10.03	23.48	222.84	30.00	-6.52	1/1
		2535.00	18.13	H	5.28	9.99	22.83	191.87	30.00	-7.17	1/1
		2552.50	17.51	H	5.30	9.95	22.16	164.44	30.00	-7.84	1/1
30	QPSK	2515.00	19.42	H	5.27	10.03	24.18	261.82	30.00	-5.82	1/1
		2535.00	19.26	H	5.28	9.99	23.96	248.89	30.00	-6.04	1/1
		2555.00	18.58	H	5.30	9.95	23.24	210.86	30.00	-6.76	1/1
	16-QAM	2515.00	18.54	H	5.27	10.03	23.30	213.80	30.00	-6.70	1/1
		2535.00	18.18	H	5.28	9.99	22.88	194.09	30.00	-7.12	1/1
		2555.00	17.49	H	5.30	9.95	22.15	164.06	30.00	-7.85	1/1
25	QPSK	2512.50	19.39	H	5.26	10.03	24.16	260.62	30.00	-5.84	1/1
		2535.00	19.25	H	5.28	9.99	23.95	248.31	30.00	-6.05	1/1
		2557.50	18.58	H	5.30	9.95	23.22	209.89	30.00	-6.78	1/1
	16-QAM	2512.50	18.77	H	5.26	10.03	23.54	225.94	30.00	-6.46	1/1
		2535.00	18.18	H	5.28	9.99	22.88	194.09	30.00	-7.12	1/67
		2557.50	17.46	H	5.30	9.95	22.10	162.18	30.00	-7.90	1/1
20	QPSK	2510.00	19.34	H	5.25	10.04	24.12	258.23	30.00	-5.88	1/53
		2535.00	19.12	H	5.28	9.99	23.82	240.99	30.00	-6.18	1/1
		2560.00	18.52	H	5.31	9.95	23.16	207.01	30.00	-6.84	1/1
	16-QAM	2510.00	18.63	H	5.25	10.04	23.41	219.28	30.00	-6.59	1/1
		2535.00	18.14	H	5.28	9.99	22.84	192.31	30.00	-7.16	1/53
		2560.00	17.29	H	5.31	9.95	21.93	155.96	30.00	-8.07	1/1
15	QPSK	2507.50	19.35	H	5.25	10.04	24.14	259.42	30.00	-5.86	1/1
		2535.00	19.21	H	5.28	9.99	23.91	246.04	30.00	-6.09	1/1
		2562.50	18.56	H	5.31	9.94	23.19	208.45	30.00	-6.81	1/1
	16-QAM	2507.50	18.57	H	5.25	10.04	23.36	216.77	30.00	-6.64	1/1
		2535.00	18.15	H	5.28	9.99	22.85	192.75	30.00	-7.15	1/77
		2562.50	17.26	H	5.31	9.94	21.89	154.53	30.00	-8.11	1/1
10	QPSK	2505.00	19.26	H	5.25	10.05	24.06	254.68	30.00	-5.94	1/1
		2535.00	19.11	H	5.28	9.99	23.81	240.44	30.00	-6.19	1/1
		2565.00	18.49	H	5.32	9.94	23.12	205.12	30.00	-6.88	1/1
	16-QAM	2505.00	18.59	H	5.25	10.05	23.39	218.27	30.00	-6.61	1/26
		2535.00	18.07	H	5.28	9.99	22.77	189.23	30.00	-7.23	1/26
		2565.00	17.18	H	5.32	9.94	21.81	151.71	30.00	-8.19	1/26
5	QPSK	2502.50	19.37	H	5.25	10.05	24.17	261.22	30.00	-5.83	1/13
		2535.00	19.11	H	5.28	9.99	23.81	240.44	30.00	-6.19	1/13
		2567.50	18.48	H	5.32	9.94	23.10	204.17	30.00	-6.90	1/13
	16-QAM	2502.50	18.76	H	5.25	10.05	23.56	226.99	30.00	-6.44	1/13
		2535.00	18.16	H	5.28	9.99	22.86	193.20	30.00	-7.14	1/23
		2567.50	17.31	H	5.32	9.94	21.93	155.96	30.00	-8.07	1/13

NR Band n12 DFT-s OFDM (ANT A)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
15	QPSK	706.50	20.30	H	2.80	-1.34	16.17	41.40	34.77	-18.60	1/1
		707.50	20.13	H	2.80	-1.34	15.99	39.72	34.77	-18.78	1/1
		708.50	20.49	H	2.80	-1.33	16.35	43.15	34.77	-18.42	1/40
	16-QAM	706.50	19.07	H	2.80	-1.34	14.94	31.19	34.77	-19.83	1/77
		707.50	19.19	H	2.80	-1.34	15.05	31.99	34.77	-19.72	1/1
		708.50	19.59	H	2.80	-1.33	15.45	35.08	34.77	-19.32	1/1
10	QPSK	704.00	20.17	H	2.79	-1.34	16.04	40.18	34.77	-18.73	1/26
		707.50	19.95	H	2.80	-1.34	15.81	38.11	34.77	-18.96	1/50
		711.00	20.39	H	2.81	-1.33	16.25	42.17	34.77	-18.52	1/50
	16-QAM	704.00	18.99	H	2.79	-1.34	14.86	30.62	34.77	-19.91	1/50
		707.50	19.23	H	2.80	-1.34	15.09	32.28	34.77	-19.68	1/1
		711.00	19.90	H	2.81	-1.33	15.76	37.67	34.77	-19.01	1/50
5	QPSK	701.50	19.29	H	2.79	-1.35	15.15	32.73	34.77	-19.62	1/13
		707.50	18.93	H	2.80	-1.34	14.79	30.13	34.77	-19.98	1/23
		713.50	19.66	H	2.81	-1.32	15.53	35.73	34.77	-19.24	1/1
	16-QAM	701.50	19.00	H	2.79	-1.35	14.86	30.62	34.77	-19.91	1/23
		707.50	19.17	H	2.80	-1.34	15.03	31.84	34.77	-19.74	1/1
		713.50	20.10	H	2.81	-1.32	15.97	39.54	34.77	-18.80	1/1

NR Band n12 DFT-s OFDM (ANT E)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
15	QPSK	706.50	22.33	V	2.80	-1.34	18.20	66.07	34.77	-16.57	1/1
		707.50	22.03	V	2.80	-1.34	17.89	61.52	34.77	-16.88	1/1
		708.50	21.96	V	2.80	-1.33	17.82	60.53	34.77	-16.95	1/1
	16-QAM	706.50	21.35	V	2.80	-1.34	17.22	52.72	34.77	-17.55	1/1
		707.50	21.19	V	2.80	-1.34	17.05	50.70	34.77	-17.72	1/1
		708.50	21.22	V	2.80	-1.33	17.08	51.05	34.77	-17.69	1/1
10	QPSK	704.00	22.39	V	2.79	-1.34	18.25	66.83	34.77	-16.52	1/26
		707.50	22.11	V	2.80	-1.34	17.97	62.66	34.77	-16.80	1/26
		711.00	22.05	V	2.81	-1.33	17.92	61.94	34.77	-16.85	1/26
	16-QAM	704.00	21.04	V	2.79	-1.34	16.90	48.98	34.77	-17.87	1/1
		707.50	20.59	V	2.80	-1.34	16.45	44.16	34.77	-18.32	1/1
		711.00	21.09	V	2.81	-1.33	16.96	49.66	34.77	-17.81	1/50
5	QPSK	701.50	22.04	V	2.79	-1.35	17.90	61.66	34.77	-16.87	1/1
		707.50	21.67	V	2.80	-1.34	17.53	56.62	34.77	-17.24	1/23
		713.50	21.77	V	2.81	-1.32	17.63	57.94	34.77	-17.14	1/13
	16-QAM	701.50	21.22	V	2.79	-1.35	17.08	51.05	34.77	-17.69	1/1
		707.50	20.83	V	2.80	-1.34	16.69	46.67	34.77	-18.08	1/23
		713.50	21.39	V	2.81	-1.32	17.25	53.09	34.77	-17.52	1/13

NR Band n30 DFT-s OFDM (ANT A)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
10	$\pi/2$ BPSK	2310.00	14.55	H	5.04	9.84	19.36	86.30	24.00	-4.64	1/25
	16-QAM	2310.00	13.29	H	5.04	9.84	18.10	64.57	24.00	-5.90	1/1
5	$\pi/2$ BPSK	2307.50	14.75	H	5.03	9.83	19.54	89.95	24.00	-4.46	1/1
		2310.00	14.82	H	5.04	9.84	19.63	91.83	24.00	-4.37	1/12
		2312.50	14.67	H	5.04	9.85	19.49	89.92	24.00	-4.51	1/1
	16-QAM	2307.50	13.60	H	5.03	9.83	18.39	69.02	24.00	-5.61	1/12
		2310.00	13.68	H	5.04	9.84	18.49	70.63	24.00	-5.51	1/12
		2312.50	13.58	H	5.04	9.85	18.40	69.18	24.00	-5.60	1/12

NR Band n30 DFT-s OFDM (ANT F)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
15	QPSK	2310.00	14.22	H	5.04	9.84	19.03	79.98	24.00	-4.97	1/1
	16-QAM	2310.00	13.28	H	5.04	9.84	18.09	64.42	24.00	-5.91	1/26
10	QPSK	2307.50	14.51	H	5.03	9.83	19.30	85.11	24.00	-4.70	1/23
		2310.00	14.41	H	5.04	9.84	19.22	83.56	24.00	-4.78	1/13
		2312.50	14.39	H	5.04	9.85	19.20	83.18	24.00	-4.80	1/13
	16-QAM	2307.50	13.42	H	5.04	9.85	18.23	66.53	24.00	-5.77	1/1
		2310.00	13.33	H	5.04	9.84	18.14	65.16	24.00	-5.86	1/13
		2312.50	13.30	H	5.03	9.84	18.10	64.57	24.00	-5.90	1/1

NR Band n41 (PC2, Switching) DFT-s OFDM (ANT B)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. ol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
100	QPSK	2546.01	21.39	V	5.29	9.97	26.07	404.58	33.00	-6.93	1/271
		2592.99	21.90	V	5.34	9.90	26.46	442.59	33.00	-6.54	1/1
		2640.00	21.09	V	5.39	9.87	25.57	360.58	33.00	-7.43	1/271
	16-QAM	2546.01	20.59	V	5.29	9.97	25.27	336.51	33.00	-7.73	1/271
		2592.99	21.23	V	5.34	9.90	25.79	379.31	33.00	-7.21	1/271
		2640.00	19.95	V	5.39	9.87	24.43	277.33	33.00	-8.57	1/271
90	QPSK	2541.00	21.32	V	5.29	9.98	26.01	399.02	33.00	-6.99	1/243
		2592.99	21.88	V	5.34	9.90	26.44	440.55	33.00	-6.56	1/1
		2644.98	20.90	V	5.40	9.86	25.36	343.56	33.00	-7.64	1/243
	16-QAM	2541.00	20.36	V	5.29	9.98	25.05	319.89	33.00	-7.95	1/243
		2592.99	21.27	V	5.34	9.90	25.83	382.82	33.00	-7.17	1/1
		2644.98	19.60	V	5.40	9.86	24.06	254.68	33.00	-8.94	1/243
80	QPSK	2536.02	21.23	V	5.28	9.99	25.93	391.74	33.00	-7.07	1/215
		2592.99	21.86	V	5.34	9.90	26.42	438.53	33.00	-6.58	1/1
		2649.99	20.84	V	5.41	9.86	25.29	339.06	33.00	-7.71	1/215
	16-QAM	2536.02	20.30	V	5.28	9.99	25.00	316.23	33.00	-8.00	1/215
		2592.99	21.22	V	5.34	9.90	25.78	378.44	33.00	-7.22	1/1
		2649.99	19.79	V	5.41	9.86	24.24	265.46	33.00	-8.76	1/215
70	QPSK	2531.02	21.07	V	5.28	10.00	25.79	379.31	33.00	-7.21	1/187
		2593.99	21.93	V	5.36	9.90	26.47	443.61	33.00	-6.53	1/1
		2654.98	20.78	V	5.42	9.86	25.23	333.43	33.00	-7.77	1/187
	16-QAM	2531.02	20.13	V	5.28	10.00	24.85	306.49	33.00	-8.15	1/187
		2593.99	21.19	V	5.36	9.90	25.73	374.11	33.00	-7.27	1/1
		2654.98	19.46	V	5.42	9.86	23.91	246.04	33.00	-9.09	1/187
60	QPSK	2526.00	21.01	V	5.28	10.01	25.73	374.11	33.00	-7.27	1/160
		2592.99	21.93	V	5.34	9.90	26.49	445.66	33.00	-6.51	1/1
		2659.98	20.88	V	5.42	9.87	25.33	341.19	33.00	-7.67	1/160
	16-QAM	2526.00	20.07	V	5.28	10.01	24.79	301.30	33.00	-8.21	1/160
		2592.99	21.19	V	5.34	9.90	25.75	375.84	33.00	-7.25	1/1
		2659.98	19.56	V	5.42	9.87	24.01	251.77	33.00	-8.99	1/160
50	QPSK	2521.01	21.13	V	5.27	10.02	25.88	387.26	33.00	-7.12	1/67
		2592.99	21.94	V	5.34	9.90	26.50	446.68	33.00	-6.50	1/131
		2665.00	21.05	V	5.43	9.87	25.50	354.81	33.00	-7.50	1/131
	16-QAM	2521.01	20.11	V	5.27	10.02	24.86	306.20	33.00	-8.14	1/67
		2592.99	21.16	V	5.34	9.90	25.72	373.25	33.00	-7.28	1/67
		2665.00	19.79	V	5.43	9.87	24.24	265.46	33.00	-8.76	1/131
45	QPSK	2518.50	20.99	V	5.27	10.02	25.74	374.97	33.00	-7.26	1/1
		2592.99	21.96	V	5.34	9.90	26.52	448.75	33.00	-6.48	1/1
		2667.48	21.07	V	5.42	9.87	25.52	356.45	33.00	-7.48	1/117
	16-QAM	2518.50	20.01	V	5.27	10.02	24.76	299.23	33.00	-8.24	1/117
		2592.99	21.18	V	5.34	9.90	25.74	374.97	33.00	-7.26	1/1
		2667.48	19.76	V	5.42	9.87	24.21	263.63	33.00	-8.79	1/117
40	QPSK	2516.01	20.85	V	5.26	10.02	25.61	363.92	33.00	-7.39	1/104
		2592.99	21.73	V	5.34	9.90	26.29	425.60	33.00	-6.71	1/53
		2670.00	20.93	V	5.43	9.87	25.38	345.14	33.00	-7.62	1/104
	16-QAM	2516.01	20.06	V	5.26	10.02	24.82	303.39	33.00	-8.18	1/104
		2592.99	21.00	V	5.34	9.90	25.56	359.75	33.00	-7.44	1/104
		2670.00	19.90	V	5.43	9.87	24.35	272.27	33.00	-8.65	1/104
35	QPSK	2513.52	20.96	V	5.26	10.02	25.72	373.25	33.00	-7.28	1/90
		2592.99	21.84	V	5.34	9.90	26.40	436.52	33.00	-6.60	1/1
		2672.49	21.15	V	5.43	9.88	25.60	363.08	33.00	-7.40	1/90
	16-QAM	2513.52	20.01	V	5.26	10.02	24.77	299.92	33.00	-8.23	1/90
		2592.99	21.32	V	5.34	9.90	25.88	387.26	33.00	-7.12	1/1
		2672.49	19.89	V	5.43	9.88	24.34	271.64	33.00	-8.66	1/90
30	QPSK	2511.00	20.85	V	5.26	10.02	25.62	364.75	33.00	-7.38	1/76
		2592.99	21.82	V	5.34	9.90	26.38	434.51	33.00	-6.62	1/1
		2675.00	21.22	V	5.43	9.88	25.66	368.13	33.00	-7.34	1/76
	16-QAM	2511.00	19.97	V	5.26	10.02	24.74	297.85	33.00	-8.26	1/76
		2592.99	21.01	V	5.34	9.90	25.57	360.58	33.00	-7.43	1/76
		2675.00	20.31	V	5.43	9.88	24.75	298.54	33.00	-8.25	1/76
25	QPSK	2508.51	20.79	V	5.26	10.03	25.56	359.75	33.00	-7.44	1/32
		2592.99	21.74	V	5.34	9.90	26.30	426.58	33.00	-6.70	1/32
		2677.50	21.14	V	5.44	9.88	25.58	361.41	33.00	-7.42	1/1
	16-QAM	2508.51	19.85	V	5.26	10.03	24.62	289.73	33.00	-8.38	1/63
		2592.99	21.16	V	5.34	9.90	25.72	373.25	33.00	-7.28	1/63
		2677.50	20.10	V	5.44	9.88	24.54	284.45	33.00	-8.46	1/63
20	QPSK	2506.02	20.56	V	5.25	10.03	25.34	341.98	33.00	-7.66	1/49
		2592.99	21.70	V	5.34	9.90	26.26	422.67	33.00	-6.74	1/26
		2679.99	21.06	V	5.44	9.88	25.50	354.81	33.00	-7.50	1/49
	16-QAM	2506.02	19.66	V	5.25	10.03	24.44	277.97	33.00	-8.56	1/49
		2592.99	20.99	V	5.34	9.90	25.55	358.92	33.00	-7.45	1/26
		2679.99	19.80	V	5.44	9.88	24.24	265.46	33.00	-8.76	1/49
15	QPSK	2503.50	20.52	V	5.25	10.04	25.31	339.63	33.00	-7.69	1/36
		2592.99	21.66	V	5.34	9.90	26.22	418.79	33.00	-6.78	1/36
		2682.48	21.15	V	5.44	9.88	25.59	362.24	33.00	-7.41	1/36
	16-QAM	2503.50	19.55	V	5.25	10.04	24.34	271.64	33.00	-8.66	1/1
		2592.99	20.95	V	5.34	9.90	25.51	355.63	33.00	-7.49	1/1
		2682.48	20.16	V	5.44	9.88	24.60	288.40	33.00	-8.40	1/36
10	QPSK	2501.01	20.55	V	5.24	10.04	25.35	342.77	33.00	-7.65	1/1
		2592.99	21.77	V	5.34	9.90	26.33	429.54	33.00	-6.67	1/12
		2685.00	21.14	V	5.45	9.88	25.57	360.58	33.00	-7.43	1/12
	16-QAM	2501.01	19.72	V	5.24	10.04	24.52	283.14	33.00	-8.48	1/1
		2592.99	20.81	V	5.34	9.90	25.37	344.35	33.00	-7.63	1/1
		2685.00	20.30	V	5.45	9.88	24.73	297.17	33.00	-8.27	1/22

NR Band n41 (PC2, Switching, SRS2) DFT-s OFDM (ANT F)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
100	2546.01	15.42	H	5.29	9.97	20.09	102.09	33.00	-12.91
	2592.99	17.78	H	5.34	9.90	22.34	171.40	33.00	-10.66
	2640.00	18.63	H	5.39	9.87	23.11	204.64	33.00	-56.11

NR Band n41 (PC2, Switching, SRS3) DFT-s OFDM (ANT K)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
45	2518.50	9.57	H	5.27	10.02	14.33	27.10	33.00	-18.67
	2592.99	7.94	H	5.34	9.90	12.50	17.78	33.00	-20.50
	2667.48	10.79	H	5.42	9.87	15.24	33.42	33.00	-48.24

NR Band n41 (PC2, Switching, SRS4) DFT-s OFDM (ANT E)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
50	2521.02	10.54	H	5.27	10.02	15.28	33.73	33.00	-17.72
	2592.99	6.06	H	5.34	9.90	10.62	11.53	33.00	-22.38
	2664.99	12.00	H	5.43	9.87	16.45	44.16	33.00	-49.45

NR Band n41 (PC2) DFT-s OFDM (ANT F)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. ol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
100	QPSK	2546.01	21.90	H	5.29	9.97	26.57	453.94	33.00	-6.43	1/1
		2592.99	21.67	H	5.34	9.90	26.23	419.76	33.00	-6.77	1/1
		2640.00	22.11	H	5.39	9.87	26.59	456.04	33.00	-6.41	1/1
	16-QAM	2546.01	21.05	H	5.29	9.97	25.72	373.25	33.00	-7.28	1/1
		2592.99	20.71	H	5.34	9.90	25.27	336.51	33.00	-7.73	1/1
		2640.00	21.18	H	5.39	9.87	25.66	368.13	33.00	-7.34	1/1
90	QPSK	2541.00	22.16	H	5.29	9.98	26.85	484.17	33.00	-6.15	1/1
		2592.99	21.92	H	5.34	9.90	26.48	444.63	33.00	-6.52	1/1
		2644.98	22.38	H	5.40	9.86	26.84	483.06	33.00	-6.16	1/1
	16-QAM	2541.00	21.37	H	5.29	9.98	26.06	403.65	33.00	-6.94	1/1
		2592.99	20.40	H	5.34	9.90	24.96	313.33	33.00	-8.04	1/1
		2644.98	21.47	H	5.40	9.86	25.93	391.74	33.00	-7.07	1/1
80	QPSK	2536.02	22.12	H	5.28	9.99	26.82	480.84	33.00	-6.18	1/1
		2592.99	21.74	H	5.34	9.90	26.30	426.58	33.00	-6.70	1/1
		2649.99	22.25	H	5.41	9.86	26.70	467.74	33.00	-6.30	1/1
	16-QAM	2536.02	21.15	H	5.28	9.99	25.85	384.59	33.00	-7.15	1/1
		2592.99	20.70	H	5.34	9.90	25.26	335.74	33.00	-7.74	1/1
		2649.99	21.15	H	5.41	9.86	25.60	363.08	33.00	-7.40	1/1
70	QPSK	2531.02	22.00	H	5.28	10.00	26.72	469.89	33.00	-6.28	1/1
		2593.99	21.66	H	5.36	9.90	26.21	417.83	33.00	-6.79	1/1
		2654.98	22.34	H	5.42	9.86	26.79	477.53	33.00	-6.21	1/1
	16-QAM	2531.02	21.12	H	5.28	10.00	25.84	383.71	33.00	-7.16	1/1
		2593.99	20.65	H	5.36	9.90	25.20	331.13	33.00	-7.80	1/1
		2654.98	21.17	H	5.42	9.86	25.62	364.75	33.00	-7.38	1/1
60	QPSK	2526.00	22.09	H	5.28	10.01	26.82	480.84	33.00	-6.18	1/1
		2592.99	21.67	H	5.34	9.90	26.23	419.76	33.00	-6.77	1/1
		2659.98	22.23	H	5.42	9.87	26.67	464.52	33.00	-6.33	1/160
	16-QAM	2526.00	21.04	H	5.28	10.01	25.77	377.57	33.00	-7.23	1/160
		2592.99	20.48	H	5.34	9.90	25.04	319.15	33.00	-7.96	1/1
		2659.98	21.09	H	5.42	9.87	25.53	357.27	33.00	-7.47	1/1
50	QPSK	2521.01	22.18	H	5.27	10.02	26.93	493.17	33.00	-6.07	1/1
		2592.99	21.94	H	5.34	9.90	26.50	446.68	33.00	-6.50	1/131
		2665.00	22.40	H	5.43	9.87	26.85	484.17	33.00	-6.15	1/131
	16-QAM	2521.01	21.12	H	5.27	10.02	25.87	386.37	33.00	-7.13	1/1
		2592.99	20.65	H	5.34	9.90	25.21	331.89	33.00	-7.79	1/131
		2665.00	21.18	H	5.43	9.87	25.63	365.59	33.00	-7.37	1/131
45	QPSK	2518.50	22.15	H	5.27	10.02	26.90	489.78	33.00	-6.10	1/1
		2592.99	21.86	H	5.34	9.90	26.42	438.53	33.00	-6.58	1/1
		2667.48	22.35	H	5.42	9.87	26.80	478.63	33.00	-6.20	1/1
	16-QAM	2518.50	21.20	H	5.27	10.02	25.95	393.55	33.00	-7.05	1/1
		2592.99	20.71	H	5.34	9.90	25.27	336.51	33.00	-7.73	1/1
		2667.48	21.40	H	5.42	9.87	25.85	384.59	33.00	-7.15	1/1
40	QPSK	2516.01	21.96	H	5.26	10.02	26.72	469.89	33.00	-6.28	1/1
		2592.99	21.70	H	5.34	9.90	26.26	422.67	33.00	-6.74	1/1
		2670.00	22.15	H	5.43	9.87	26.60	457.09	33.00	-6.40	1/104
	16-QAM	2516.01	21.04	H	5.26	10.02	25.80	380.19	33.00	-7.20	1/53
		2592.99	20.50	H	5.34	9.90	25.06	320.63	33.00	-7.94	1/53
		2670.00	21.18	H	5.43	9.87	25.63	365.59	33.00	-7.37	1/53
35	QPSK	2513.52	22.12	H	5.26	10.02	26.89	488.65	33.00	-6.11	1/1
		2592.99	21.87	H	5.34	9.90	26.43	439.54	33.00	-6.57	1/1
		2672.49	22.23	H	5.43	9.88	26.67	464.52	33.00	-6.33	1/1
	16-QAM	2513.52	21.15	H	5.26	10.02	25.92	390.84	33.00	-7.08	1/1
		2592.99	20.76	H	5.34	9.90	25.32	340.41	33.00	-7.68	1/1
		2672.49	21.17	H	5.43	9.88	25.61	363.92	33.00	-7.39	1/1
30	QPSK	2511.00	21.88	H	5.26	10.02	26.65	462.38	33.00	-6.35	1/1
		2592.99	21.75	H	5.34	9.90	26.31	427.56	33.00	-6.69	1/1
		2675.00	22.18	H	5.43	9.88	26.62	459.20	33.00	-6.38	1/1
	16-QAM	2511.00	20.95	H	5.26	10.02	25.72	373.25	33.00	-7.28	1/1
		2592.99	20.56	H	5.34	9.90	25.12	325.09	33.00	-7.88	1/1
		2675.00	21.07	H	5.43	9.88	25.51	355.63	33.00	-7.49	1/1
25	QPSK	2508.51	21.93	H	5.26	10.03	26.70	467.74	33.00	-6.30	1/1
		2592.99	21.74	H	5.34	9.90	26.30	426.58	33.00	-6.70	1/32
		2677.50	22.06	H	5.44	9.88	26.50	446.68	33.00	-6.50	1/63
	16-QAM	2508.51	20.93	H	5.26	10.03	25.70	371.54	33.00	-7.30	1/1
		2592.99	20.60	H	5.34	9.90	25.16	328.10	33.00	-7.84	1/63
		2677.50	20.91	H	5.44	9.88	25.35	342.77	33.00	-7.65	1/1
20	QPSK	2506.02	21.73	H	5.25	10.03	26.51	447.71	33.00	-6.49	1/26
		2592.99	21.64	H	5.34	9.90	26.20	416.87	33.00	-6.80	1/26
		2679.99	21.87	H	5.44	9.88	26.30	426.58	33.00	-6.70	1/26
	16-QAM	2506.02	20.75	H	5.25	10.03	25.53	357.27	33.00	-7.47	1/26
		2592.99	20.45	H	5.34	9.90	25.01	316.96	33.00	-7.99	1/49
		2679.99	20.94	H	5.44	9.88	25.37	344.35	33.00	-7.63	1/26
15	QPSK	2503.50	21.83	H	5.25	10.04	26.62	459.20	33.00	-6.38	1/1
		2592.99	21.78	H	5.34	9.90	26.34	430.53	33.00	-6.66	1/1
		2682.48	21.98	H	5.44	9.88	26.42	438.53	33.00	-6.58	1/36
	16-QAM	2503.50	20.84	H	5.25	10.04	25.63	365.59	33.00	-7.37	1/36
		2592.99	20.54	H	5.34	9.90	25.10	323.59	33.00	-7.90	1/36
		2682.48	21.05	H	5.44	9.88	25.49	354.00	33.00	-7.51	1/36
10	QPSK	2501.01	21.81	H	5.24	10.04	26.61	458.14	33.00	-6.39	1/22
		2592.99	21.71	H	5.34	9.90	26.27	423.64	33.00	-6.73	1/22
		2685.00	21.94	H	5.45	9.88	26.37	433.51	33.00	-6.63	1/22
	16-QAM	2501.01	20.84	H	5.24	10.04	25.64	366.44	33.00	-7.36	1/22
		2592.99	20.54	H	5.34	9.90	25.10	323.59	33.00	-7.90	1/22
		2685.00	20.83	H	5.45	9.88	25.26	335.74	33.00	-7.74	1/22

NR Band n41 (PC2, SRS2) DFT-s OFDM (ANT B)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
80	2536.02	21.31	H	5.28	9.99	26.01	399.02	33.00	-6.99
	2592.99	22.30	H	5.34	9.90	26.86	485.29	33.00	-6.14
	2649.99	19.79	H	5.41	9.86	24.24	265.46	33.00	-57.24

NR Band n41 (PC2, SRS3) DFT-s OFDM (ANT E)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
45	2518.50	16.65	H	5.27	10.02	21.41	138.36	33.00	-11.59
	2592.99	15.19	H	5.34	9.90	19.75	94.41	33.00	-13.25
	2667.48	14.17	H	5.42	9.87	18.62	72.78	33.00	-51.62

NR Band n41 (PC2, SRS4) DFT-s OFDM (ANT K)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
80	2536.02	10.35	H	5.28	9.99	15.05	31.99	33.00	-17.95
	2592.99	9.12	H	5.34	9.90	13.68	23.33	33.00	-19.32
	2649.99	5.87	H	5.41	9.86	10.32	10.76	33.00	-43.32

NR Band n66 DFT-s OFDM (ANT A)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
45	π/2 BPSK	1732.50	18.83	V	4.35	9.53	24.02	252.35	30.00	-5.98	1/240
		1745.00	19.28	V	4.37	9.58	24.50	281.84	30.00	-5.50	1/240
		1757.50	18.99	V	4.38	9.61	24.23	264.85	30.00	-5.77	1/240
	16-QAM	1732.50	17.78	V	4.35	9.53	22.96	197.70	30.00	-7.04	1/240
		1745.00	18.08	V	4.37	9.58	23.30	213.80	30.00	-6.70	1/240
		1757.50	17.75	V	4.38	9.61	22.99	199.07	30.00	-7.01	1/1
40	π/2 BPSK	1730.00	18.68	V	4.34	9.53	23.87	243.78	30.00	-6.13	1/214
		1745.00	19.37	V	4.37	9.58	24.59	287.74	30.00	-5.41	1/108
		1760.00	19.05	V	4.38	9.61	24.29	268.53	30.00	-5.71	1/1
	16-QAM	1730.00	17.51	V	4.34	9.53	22.70	186.21	30.00	-7.30	1/214
		1745.00	18.15	V	4.37	9.58	23.37	217.27	30.00	-6.63	1/214
		1760.00	17.58	V	4.38	9.61	22.82	191.43	30.00	-7.18	1/1
35	QPSK	1727.50	18.56	V	4.34	9.52	23.74	236.59	30.00	-6.26	1/186
		1745.00	19.37	V	4.37	9.58	24.59	287.74	30.00	-5.41	1/93
		1762.50	19.08	V	4.38	9.62	24.32	270.40	30.00	-5.68	1/93
	16-QAM	1727.50	17.39	V	4.34	9.52	22.57	180.72	30.00	-7.43	1/186
		1745.00	18.15	V	4.37	9.58	23.37	217.27	30.00	-6.63	1/186
		1762.50	17.61	V	4.38	9.62	22.85	192.75	30.00	-7.15	1/1
30	π/2 BPSK	1725.00	17.64	V	4.34	9.52	22.82	191.43	30.00	-7.18	1/158
		1745.00	18.57	V	4.37	9.58	23.79	239.33	30.00	-6.21	1/158
		1765.00	18.35	V	4.39	9.62	23.58	228.03	30.00	-6.42	1/1
	16-QAM	1725.00	17.32	V	4.34	9.52	22.50	177.83	30.00	-7.50	1/158
		1745.00	17.77	V	4.37	9.58	22.99	199.07	30.00	-7.01	1/80
		1765.00	17.84	V	4.39	9.62	23.07	202.77	30.00	-6.93	1/1
25	π/2 BPSK	1722.50	17.53	V	4.33	9.51	22.71	186.64	30.00	-7.29	1/131
		1745.00	18.40	V	4.37	9.58	23.62	230.14	30.00	-6.38	1/67
		1767.50	18.36	V	4.39	9.62	23.59	228.56	30.00	-6.41	1/1
	16-QAM	1722.50	17.17	V	4.33	9.51	22.35	171.79	30.00	-7.65	1/1
		1745.00	17.89	V	4.37	9.58	23.11	204.64	30.00	-6.89	1/131
		1767.50	18.06	V	4.39	9.62	23.29	213.30	30.00	-6.71	1/131
20	π/2 BPSK	1720.00	17.53	V	4.33	9.50	22.70	186.21	30.00	-7.30	1/104
		1745.00	18.48	V	4.37	9.58	23.70	234.42	30.00	-6.30	1/1
		1770.00	18.47	V	4.40	9.62	23.70	234.42	30.00	-6.30	1/1
	16-QAM	1720.00	16.73	V	4.33	9.50	21.90	154.88	30.00	-8.10	1/1
		1745.00	17.80	V	4.37	9.58	23.02	200.45	30.00	-6.98	1/1
		1770.00	17.89	V	4.40	9.62	23.12	205.12	30.00	-6.88	1/53
15	π/2 BPSK	1717.50	17.35	V	4.32	9.49	22.51	178.24	30.00	-7.49	1/1
		1745.00	18.42	V	4.37	9.58	23.64	231.21	30.00	-6.36	1/1
		1772.50	18.34	V	4.40	9.63	23.57	227.51	30.00	-6.43	1/40
	16-QAM	1717.50	16.90	V	4.32	9.49	22.06	160.69	30.00	-7.94	1/40
		1745.00	17.99	V	4.37	9.58	23.21	209.41	30.00	-6.79	1/1
		1772.50	18.10	V	4.40	9.63	23.33	215.28	30.00	-6.67	1/1
10	π/2 BPSK	1715.00	17.07	V	4.32	9.48	22.23	167.11	30.00	-7.77	1/1
		1745.00	18.46	V	4.37	9.58	23.68	233.35	30.00	-6.32	1/1
		1775.00	18.51	V	4.40	9.63	23.74	236.59	30.00	-6.26	1/50
	16-QAM	1715.00	16.94	V	4.32	9.48	22.10	162.18	30.00	-7.90	1/1
		1745.00	17.95	V	4.37	9.58	23.17	207.49	30.00	-6.83	1/1
		1775.00	18.01	V	4.40	9.63	23.24	210.86	30.00	-6.76	1/1
5	π/2 BPSK	1712.50	16.90	V	4.32	9.47	22.05	160.32	30.00	-7.95	1/13
		1745.00	18.39	V	4.37	9.58	23.61	229.61	30.00	-6.39	1/13
		1777.50	18.49	V	4.40	9.63	23.73	236.05	30.00	-6.27	1/23
	16-QAM	1712.50	16.72	V	4.32	9.47	21.87	153.82	30.00	-8.13	1/1
		1745.00	18.02	V	4.37	9.58	23.24	210.86	30.00	-6.76	1/1
		1777.50	18.50	V	4.40	9.63	23.74	236.59	30.00	-6.26	1/1

NR Band n66 DFT-s OFDM (ANT F)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
45	QPSK	1732.50	17.03	H	4.35	9.53	22.22	166.72	30.00	-7.78	1/1
		1745.00	17.69	H	4.37	9.58	22.91	195.43	30.00	-7.09	1/1
		1757.50	16.74	H	4.38	9.61	21.97	157.40	30.00	-8.03	1/1
	16-QAM	1732.50	16.15	H	4.35	9.53	21.34	136.14	30.00	-8.66	1/240
		1745.00	15.89	H	4.37	9.58	21.11	129.12	30.00	-8.89	1/240
		1757.50	15.52	H	4.38	9.61	20.75	118.85	30.00	-9.25	1/121
40	QPSK	1730.00	16.93	H	4.34	9.53	22.12	162.93	30.00	-7.88	1/214
		1745.00	17.75	H	4.37	9.58	22.97	198.15	30.00	-7.03	1/214
		1760.00	16.77	H	4.38	9.61	22.00	158.49	30.00	-8.00	1/1
	16-QAM	1730.00	16.04	H	4.34	9.53	21.23	132.74	30.00	-8.77	1/214
		1745.00	15.71	H	4.37	9.58	20.93	123.88	30.00	-9.07	1/214
		1760.00	15.51	H	4.38	9.61	20.74	118.58	30.00	-9.26	1/108
35	QPSK	1727.50	16.88	H	4.34	9.52	22.06	160.69	30.00	-7.94	1/186
		1745.00	17.75	H	4.37	9.58	22.97	198.15	30.00	-7.03	1/93
		1762.50	16.75	H	4.38	9.62	21.98	157.76	30.00	-8.02	1/186
	16-QAM	1727.50	15.99	H	4.34	9.52	21.17	130.92	30.00	-8.83	1/186
		1745.00	15.71	H	4.37	9.58	20.93	123.88	30.00	-9.07	1/93
		1762.50	15.49	H	4.38	9.62	20.72	118.03	30.00	-9.28	1/1
30	QPSK	1725.00	16.96	H	4.34	9.52	22.14	163.68	30.00	-7.86	1/158
		1745.00	17.71	H	4.37	9.58	22.93	196.34	30.00	-7.07	1/158
		1765.00	16.92	H	4.39	9.62	22.15	164.06	30.00	-7.85	1/1
	16-QAM	1725.00	15.97	H	4.34	9.52	21.15	130.32	30.00	-8.85	1/158
		1745.00	15.69	H	4.37	9.58	20.91	123.31	30.00	-9.09	1/80
		1765.00	15.36	H	4.39	9.62	20.59	114.55	30.00	-9.41	1/1
25	QPSK	1722.50	16.80	H	4.33	9.51	21.97	157.40	30.00	-8.03	1/131
		1745.00	17.74	H	4.37	9.58	22.96	197.70	30.00	-7.04	1/67
		1767.50	16.77	H	4.39	9.62	22.00	158.49	30.00	-8.00	1/1
	16-QAM	1722.50	15.92	H	4.33	9.51	21.09	128.53	30.00	-8.91	1/67
		1745.00	15.73	H	4.37	9.58	20.95	124.45	30.00	-9.05	1/1
		1767.50	15.39	H	4.39	9.62	20.62	115.35	30.00	-9.38	1/1
20	QPSK	1720.00	16.78	H	4.33	9.50	21.95	156.68	30.00	-8.05	1/53
		1745.00	17.58	H	4.37	9.58	22.80	190.55	30.00	-7.20	1/53
		1770.00	16.54	H	4.40	9.62	21.77	150.31	30.00	-8.23	1/53
	16-QAM	1720.00	15.68	H	4.33	9.50	20.85	121.62	30.00	-9.15	1/104
		1745.00	15.61	H	4.37	9.58	20.83	121.06	30.00	-9.17	1/53
		1770.00	15.04	H	4.40	9.62	20.27	106.41	30.00	-9.73	1/1
15	QPSK	1717.50	16.90	H	4.32	9.49	22.07	161.06	30.00	-7.93	1/77
		1745.00	17.60	H	4.37	9.58	22.82	191.43	30.00	-7.18	1/40
		1772.50	16.56	H	4.40	9.63	21.79	151.01	30.00	-8.21	1/1
	16-QAM	1717.50	15.76	H	4.32	9.49	20.93	123.88	30.00	-9.07	1/1
		1745.00	15.70	H	4.37	9.58	20.92	123.59	30.00	-9.08	1/1
		1772.50	15.14	H	4.40	9.63	20.37	108.89	30.00	-9.63	1/1
10	QPSK	1715.00	16.60	H	4.32	9.48	21.76	149.97	30.00	-8.24	1/50
		1745.00	17.50	H	4.37	9.58	22.72	187.07	30.00	-7.28	1/50
		1775.00	16.58	H	4.40	9.63	21.81	151.71	30.00	-8.19	1/1
	16-QAM	1715.00	15.64	H	4.32	9.48	20.80	120.23	30.00	-9.20	1/50
		1745.00	15.56	H	4.37	9.58	20.78	119.67	30.00	-9.22	1/50
		1775.00	15.31	H	4.40	9.63	20.54	113.24	30.00	-9.46	1/1
5	QPSK	1712.50	16.47	H	4.32	9.47	21.63	145.55	30.00	-8.37	1/13
		1745.00	17.59	H	4.37	9.58	22.81	190.99	30.00	-7.19	1/13
		1777.50	16.60	H	4.40	9.63	21.84	152.76	30.00	-8.16	1/13
	16-QAM	1712.50	15.50	H	4.32	9.47	20.66	116.41	30.00	-9.34	1/23
		1745.00	15.56	H	4.37	9.58	20.78	119.67	30.00	-9.22	1/23
		1777.50	15.20	H	4.40	9.63	20.44	110.66	30.00	-9.56	1/1

NR Band n70 DFT-s OFDM (ANT A)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
15	$\pi/2$ BPSK	1702.50	18.92	V	4.30	9.44	24.06	254.68	30.00	-5.94	1/77
	16-QAM	1702.50	18.65	V	4.30	9.44	23.78	238.78	30.00	-6.22	1/1
10	$\pi/2$ BPSK	1700.00	18.70	V	4.30	9.43	23.83	241.55	30.00	-6.17	1/50
		1702.50	18.92	V	4.30	9.44	24.06	254.68	30.00	-5.94	1/50
		1705.00	18.57	V	4.31	9.45	23.71	234.96	30.00	-6.29	1/26
	16-QAM	1700.00	17.72	V	4.30	9.43	22.85	192.75	30.00	-7.15	1/1
		1702.50	17.67	V	4.30	9.44	22.80	190.55	30.00	-7.20	1/1
		1705.00	17.44	V	4.31	9.45	22.58	181.13	30.00	-7.42	1/1
5	$\pi/2$ BPSK	1697.50	18.89	V	4.30	9.42	24.01	251.77	30.00	-5.99	1/23
		1702.50	18.86	V	4.30	9.44	24.00	251.19	30.00	-6.00	1/23
		1707.50	18.69	V	4.31	9.45	23.84	242.10	30.00	-6.16	1/1
	16-QAM	1697.50	17.79	V	4.30	9.42	22.91	195.43	30.00	-7.09	1/23
		1702.50	17.67	V	4.30	9.44	22.81	190.99	30.00	-7.19	1/13
		1707.50	17.64	V	4.31	9.45	22.78	189.67	30.00	-7.22	1/1

NR Band n70 DFT-s OFDM (ANT F)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
15	QPSK	1702.50	16.65	H	4.30	9.44	21.78	150.66	30.00	-8.22	1/1
	16-QAM	1702.50	15.85	H	4.30	9.44	20.98	125.31	30.00	-9.02	1/40
10	QPSK	1700.00	16.91	H	4.30	9.43	22.04	159.96	30.00	-7.96	1/26
		1702.50	16.87	H	4.30	9.44	22.00	158.49	30.00	-8.00	1/1
		1705.00	17.12	H	4.31	9.45	22.26	168.27	30.00	-7.74	1/1
	16-QAM	1700.00	15.70	H	4.30	9.43	20.83	121.06	30.00	-9.17	1/26
		1702.50	15.79	H	4.30	9.44	20.92	123.59	30.00	-9.08	1/26
		1705.00	16.01	H	4.31	9.45	21.15	130.32	30.00	-8.85	1/1
5	QPSK	1697.50	17.04	H	4.30	9.42	22.16	164.44	30.00	-7.84	1/23
		1702.50	17.14	H	4.30	9.44	22.27	168.66	30.00	-7.73	1/13
		1707.50	16.87	H	4.31	9.45	22.02	159.22	30.00	-7.98	1/13
	16-QAM	1697.50	16.03	H	4.30	9.42	21.15	130.32	30.00	-8.85	1/23
		1702.50	15.93	H	4.30	9.44	21.06	127.64	30.00	-8.94	1/1
		1707.50	16.18	H	4.31	9.45	21.33	135.83	30.00	-8.67	1/13

NR Band n71 DFT-s OFDM (ANT A)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
35	QPSK	680.50	19.33	H	2.75	-1.41	15.17	32.89	34.77	-19.60	1/93
	16-QAM	680.50	18.35	H	2.75	-1.41	14.19	26.24	34.77	-20.58	1/93
30	QPSK	678.00	19.40	H	2.75	-1.42	15.24	33.42	34.77	-19.53	1/1
		680.50	19.41	H	2.75	-1.41	15.25	33.50	34.77	-19.52	1/1
		683.00	19.32	H	2.75	-1.40	15.16	32.81	34.77	-19.61	1/1
	16-QAM	678.00	18.89	H	2.75	-1.42	14.73	29.72	34.77	-20.04	1/1
		680.50	19.13	H	2.75	-1.41	14.97	31.41	34.77	-19.80	1/1
		683.00	19.02	H	2.75	-1.40	14.86	30.62	34.77	-19.91	1/1
25	QPSK	675.50	19.29	H	2.74	-1.42	15.13	32.58	34.77	-19.64	1/1
		680.50	19.41	H	2.75	-1.41	15.25	33.50	34.77	-19.52	1/1
		685.50	19.33	H	2.76	-1.39	15.18	32.96	34.77	-19.59	1/1
	16-QAM	675.50	18.78	H	2.74	-1.42	14.62	28.97	34.77	-20.15	1/1
		680.50	19.13	H	2.75	-1.41	14.97	31.41	34.77	-19.80	1/1
		685.50	18.05	H	2.76	-1.39	13.90	24.55	34.77	-20.87	1/1
20	QPSK	673.00	19.57	H	2.74	-1.43	15.40	34.67	34.77	-19.37	1/1
		680.50	20.36	H	2.75	-1.41	16.20	41.69	34.77	-18.57	1/1
		688.00	20.62	H	2.76	-1.39	16.47	44.36	34.77	-18.30	1/1
	16-QAM	673.00	18.58	H	2.74	-1.43	14.41	27.61	34.77	-20.36	1/1
		680.50	19.30	H	2.75	-1.41	15.14	32.66	34.77	-19.63	1/1
		688.00	19.20	H	2.76	-1.39	15.05	31.99	34.77	-19.72	1/1
15	QPSK	670.50	19.32	H	2.73	-1.44	15.15	32.73	34.77	-19.62	1/1
		680.50	20.53	H	2.75	-1.41	16.37	43.35	34.77	-18.40	1/1
		690.50	20.45	H	2.77	-1.38	16.30	42.66	34.77	-18.47	1/1
	16-QAM	670.50	18.17	H	2.73	-1.44	14.00	25.12	34.77	-20.77	1/1
		680.50	19.33	H	2.75	-1.41	15.17	32.89	34.77	-19.60	1/1
		690.50	19.12	H	2.77	-1.38	14.97	31.41	34.77	-19.80	1/1
10	QPSK	668.00	19.26	H	2.73	-1.45	15.08	32.21	34.77	-19.69	1/1
		680.50	20.40	H	2.75	-1.41	16.24	42.07	34.77	-18.53	1/1
		693.00	20.20	H	2.77	-1.37	16.05	40.27	34.77	-18.72	1/1
	16-QAM	668.00	17.96	H	2.73	-1.45	13.78	23.88	34.77	-20.99	1/1
		680.50	19.30	H	2.75	-1.41	15.14	32.66	34.77	-19.63	1/1
		693.00	18.73	H	2.77	-1.37	14.58	28.71	34.77	-20.19	1/1
5	QPSK	665.50	19.17	H	2.72	-1.45	15.00	31.62	34.77	-19.77	1/1
		680.50	21.58	H	2.75	-1.41	17.42	55.21	34.77	-17.35	1/1
		695.50	20.31	H	2.78	-1.36	16.17	41.40	34.77	-18.60	1/1
	16-QAM	665.50	17.83	H	2.72	-1.45	13.66	23.23	34.77	-21.11	1/1
		680.50	19.50	H	2.75	-1.41	15.34	34.20	34.77	-19.43	1/1
		695.50	18.85	H	2.78	-1.36	14.71	29.58	34.77	-20.06	1/1

NR Band n71 DFT-s OFDM (ANT E)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
35	QPSK	680.50	22.99	V	2.75	-1.41	18.83	76.38	34.77	-15.94	1/93
	16-QAM	680.50	21.99	V	2.75	-1.41	17.83	60.67	34.77	-16.94	1/93
30	QPSK	678.00	23.06	V	2.75	-1.42	18.90	77.62	34.77	-15.87	1/104
		680.50	22.89	V	2.75	-1.41	18.73	74.64	34.77	-16.04	1/104
		683.00	22.71	V	2.75	-1.40	18.56	71.78	34.77	-16.21	1/104
	16-QAM	678.00	23.18	V	2.75	-1.42	19.02	79.80	34.77	-15.75	1/104
		680.50	23.25	V	2.75	-1.41	19.09	81.10	34.77	-15.68	1/104
		683.00	23.02	V	2.75	-1.40	18.87	77.09	34.77	-15.90	1/104
25	QPSK	675.50	22.95	V	2.74	-1.42	18.78	75.51	34.77	-15.99	1/104
		680.50	22.89	V	2.75	-1.41	18.73	74.64	34.77	-16.04	1/104
		685.50	22.62	V	2.76	-1.39	18.47	70.31	34.77	-16.30	1/104
	16-QAM	675.50	23.07	V	2.74	-1.42	18.90	77.62	34.77	-15.87	1/104
		680.50	23.25	V	2.75	-1.41	19.09	81.10	34.77	-15.68	1/104
		685.50	21.93	V	2.76	-1.39	17.78	59.98	34.77	-16.99	1/104
20	QPSK	673.00	22.21	V	2.74	-1.43	18.04	63.68	34.77	-16.73	1/53
		680.50	22.77	V	2.75	-1.41	18.61	72.61	34.77	-16.16	1/104
		688.00	22.58	V	2.76	-1.39	18.43	69.66	34.77	-16.34	1/53
	16-QAM	673.00	21.10	V	2.74	-1.43	16.93	49.32	34.77	-17.84	1/104
		680.50	21.50	V	2.75	-1.41	17.34	54.20	34.77	-17.43	1/104
		688.00	21.55	V	2.76	-1.39	17.40	54.95	34.77	-17.37	1/53
15	QPSK	670.50	21.93	V	2.73	-1.44	17.76	59.70	34.77	-17.01	1/77
		680.50	22.76	V	2.75	-1.41	18.60	72.44	34.77	-16.17	1/1
		690.50	22.72	V	2.77	-1.38	18.58	72.11	34.77	-16.19	1/40
	16-QAM	670.50	20.78	V	2.73	-1.44	16.61	45.81	34.77	-18.16	1/77
		680.50	21.60	V	2.75	-1.41	17.44	55.46	34.77	-17.33	1/77
		690.50	21.72	V	2.77	-1.38	17.58	57.28	34.77	-17.19	1/40
10	QPSK	668.00	21.45	V	2.73	-1.45	17.28	53.46	34.77	-17.49	1/50
		680.50	22.68	V	2.75	-1.41	18.52	71.12	34.77	-16.25	1/26
		693.00	22.76	V	2.77	-1.37	18.62	72.78	34.77	-16.15	1/26
	16-QAM	668.00	20.67	V	2.73	-1.45	16.50	44.67	34.77	-18.27	1/50
		680.50	21.48	V	2.75	-1.41	17.32	53.95	34.77	-17.45	1/26
		693.00	21.78	V	2.77	-1.37	17.64	58.08	34.77	-17.13	1/26
5	QPSK	665.50	21.70	V	2.72	-1.45	17.53	56.62	34.77	-17.24	1/13
		680.50	22.78	V	2.75	-1.41	18.62	72.78	34.77	-16.15	1/23
		695.50	22.74	V	2.78	-1.36	18.60	72.44	34.77	-16.17	1/1
	16-QAM	665.50	20.90	V	2.72	-1.45	16.73	47.10	34.77	-18.04	1/13
		680.50	21.71	V	2.75	-1.41	17.55	56.89	34.77	-17.22	1/23
		695.50	21.97	V	2.78	-1.36	17.83	60.67	34.77	-16.94	1/13

NR Band n77(PC2, 3450-3550 MHz) DFT-s OFDM (ANT F)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
100	QPSK	3499.98	21.10	H	6.22	10.94	25.81	381.07	30.00	-4.19	1/1
	16-QAM	3499.98	20.25	H	6.22	10.94	24.96	313.33	30.00	-5.04	1/271
90	QPSK	3495.00	20.88	H	6.22	10.93	25.59	362.24	30.00	-4.41	1/1
		3499.98	20.79	H	6.22	10.94	25.50	354.81	30.00	-4.50	1/243
		3504.99	21.21	H	6.22	10.93	25.92	390.84	30.00	-4.08	1/1
	16-QAM	3495.00	20.30	H	6.22	10.93	25.01	316.96	30.00	-4.99	1/1
		3499.98	19.84	H	6.22	10.94	24.55	285.10	30.00	-5.45	1/1
		3504.99	20.65	H	6.22	10.93	25.36	343.56	30.00	-4.64	1/1
80	QPSK	3490.02	20.96	H	6.21	10.92	25.67	368.98	30.00	-4.33	1/1
		3499.98	20.81	H	6.22	10.94	25.52	356.45	30.00	-4.48	1/1
		3510.00	21.13	H	6.22	10.93	25.84	383.71	30.00	-4.16	1/215
	16-QAM	3490.02	20.75	H	6.21	10.92	25.46	351.56	30.00	-4.54	1/1
		3499.98	20.31	H	6.22	10.94	25.02	317.69	30.00	-4.98	1/1
		3510.00	20.57	H	6.22	10.93	25.28	337.29	30.00	-4.72	1/1
70	QPSK	3485.01	20.85	H	6.21	10.92	25.55	358.92	30.00	-4.45	1/1
		3499.98	20.81	H	6.22	10.94	25.52	356.45	30.00	-4.48	1/1
		3514.98	20.99	H	6.23	10.93	25.69	370.68	30.00	-4.31	1/1
	16-QAM	3485.01	20.62	H	6.21	10.92	25.32	340.41	30.00	-4.68	1/1
		3499.98	20.22	H	6.22	10.94	24.93	311.17	30.00	-5.07	1/1
		3514.98	20.21	H	6.23	10.93	24.91	309.74	30.00	-5.09	1/1
60	QPSK	3480.00	20.61	H	6.20	10.91	25.32	340.41	30.00	-4.68	1/1
		3499.98	20.78	H	6.22	10.94	25.49	354.00	30.00	-4.51	1/1
		3519.99	20.87	H	6.23	10.93	25.57	360.58	30.00	-4.43	1/160
	16-QAM	3480.00	20.31	H	6.20	10.91	25.02	317.69	30.00	-4.98	1/81
		3499.98	19.98	H	6.22	10.94	24.69	294.44	30.00	-5.31	1/1
		3514.98	20.45	H	6.23	10.93	25.15	327.34	30.00	-4.85	1/1
50	QPSK	3475.02	20.91	H	6.20	10.90	25.61	363.92	30.00	-4.39	1/1
		3499.98	20.96	H	6.22	10.94	25.67	368.98	30.00	-4.33	1/67
		3525.00	21.23	H	6.24	10.93	25.92	390.84	30.00	-4.08	1/67
	16-QAM	3475.02	20.53	H	6.20	10.90	25.23	333.43	30.00	-4.77	1/1
		3499.98	20.29	H	6.22	10.94	25.00	316.23	30.00	-5.00	1/131
		3525.00	20.26	H	6.24	10.93	24.95	312.61	30.00	-5.05	1/67
40	QPSK	3470.01	20.69	H	6.19	10.90	25.39	345.94	30.00	-4.61	1/53
		3499.98	20.86	H	6.22	10.94	25.57	360.58	30.00	-4.43	1/53
		3529.98	20.95	H	6.24	10.92	25.64	366.44	30.00	-4.36	1/53
	16-QAM	3470.01	20.42	H	6.19	10.90	25.12	325.09	30.00	-4.88	1/53
		3499.98	20.17	H	6.22	10.94	24.88	307.61	30.00	-5.12	1/53
		3529.98	20.17	H	6.24	10.92	24.86	306.20	30.00	-5.14	1/53
30	QPSK	3465.00	20.63	H	6.19	10.89	25.33	341.19	30.00	-4.67	1/1
		3499.98	20.78	H	6.22	10.94	25.49	354.00	30.00	-4.51	1/1
		3535.02	21.06	H	6.25	10.92	25.73	374.11	30.00	-4.27	1/76
	16-QAM	3465.00	20.24	H	6.19	10.89	24.94	311.89	30.00	-5.06	1/1
		3499.98	20.11	H	6.22	10.94	24.82	303.39	30.00	-5.18	1/76
		3535.02	20.42	H	6.25	10.92	25.09	322.85	30.00	-4.91	1/76
25	QPSK	3462.51	20.68	H	6.19	10.89	25.38	345.14	30.00	-4.62	1/32
		3499.98	20.85	H	6.22	10.94	25.56	359.75	30.00	-4.44	1/32
		3537.48	21.07	H	6.25	10.92	25.74	374.97	30.00	-4.26	1/63
	16-QAM	3462.51	20.31	H	6.19	10.89	25.01	316.96	30.00	-4.99	1/63
		3499.98	20.12	H	6.22	10.94	24.83	304.09	30.00	-5.17	1/1
		3537.48	20.44	H	6.25	10.92	25.11	324.34	30.00	-4.89	1/63
20	QPSK	3460.02	20.58	H	6.18	10.88	25.28	337.29	30.00	-4.72	1/49
		3499.98	20.75	H	6.22	10.94	25.46	351.56	30.00	-4.54	1/49
		3540.00	21.02	H	6.25	10.92	25.69	370.68	30.00	-4.31	1/49
	16-QAM	3460.02	20.21	H	6.18	10.88	24.91	309.74	30.00	-5.09	1/49
		3499.98	20.03	H	6.22	10.94	24.74	297.85	30.00	-5.26	1/1
		3540.00	20.26	H	6.25	10.92	24.93	311.17	30.00	-5.07	1/49
15	QPSK	3457.50	20.50	H	6.18	10.88	25.20	331.13	30.00	-4.80	1/1
		3499.98	20.67	H	6.22	10.94	25.38	345.14	30.00	-4.62	1/36
		3542.49	20.92	H	6.26	10.92	25.58	361.41	30.00	-4.42	1/36
	16-QAM	3457.50	20.17	H	6.18	10.88	24.87	306.90	30.00	-5.13	1/36
		3499.98	19.97	H	6.22	10.94	24.68	293.76	30.00	-5.32	1/36
		3542.49	20.41	H	6.26	10.92	25.07	321.37	30.00	-4.93	1/36
10	QPSK	3455.01	20.66	H	6.18	10.88	25.36	343.56	30.00	-4.64	1/22
		3499.98	20.71	H	6.22	10.94	25.42	348.34	30.00	-4.58	1/22
		3544.98	20.99	H	6.26	10.92	25.65	367.28	30.00	-4.35	1/22
	16-QAM	3455.01	20.31	H	6.18	10.88	25.01	316.96	30.00	-4.99	1/22
		3499.98	20.06	H	6.22	10.94	24.77	299.92	30.00	-5.23	1/22
		3544.98	20.46	H	6.26	10.92	25.12	325.09	30.00	-4.88	1/22

NR Band n77 (PC2, 3450-3550 MHz, SRS2, ANT C)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
100	3499.98	18.38	H	6.22	10.67	22.83	191.87	33.00	-10.17

NR Band n77 (PC2, 3450-3550 MHz, SRS3, ANT H)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
100	3499.98	16.58	H	6.22	10.67	21.03	126.77	33.00	-11.97

NR Band n77 (PC2, 3450-3550 MHz, SRS4, ANT K)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
100	3499.98	13.78	H	6.22	10.67	18.23	66.53	33.00	-14.77

NR Band n77 (PC2, 3700-3980 MHz) DFT-s OFDM (ANT F)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
100	QPSK	3750.00	21.50	H	6.44	10.78	25.84	383.71	30.00	-4.16	1/1
		3840.00	21.16	H	6.52	10.68	25.32	340.41	30.00	-4.68	1/1
		3930.00	22.11	H	6.60	10.61	26.13	410.20	30.00	-3.87	1/271
	16-QAM	3750.00	20.43	H	6.44	10.78	24.77	299.92	30.00	-5.23	1/1
		3840.00	20.03	H	6.52	10.68	24.19	262.42	30.00	-5.81	1/1
		3930.00	20.90	H	6.60	10.61	24.92	310.46	30.00	-5.08	1/271
90	QPSK	3745.02	21.69	H	6.44	10.78	26.03	400.87	30.00	-3.97	1/243
		3840.00	21.00	H	6.52	10.68	25.16	328.10	30.00	-4.84	1/1
		3934.98	21.85	H	6.60	10.60	25.85	384.59	30.00	-4.15	1/243
	16-QAM	3745.02	20.66	H	6.44	10.78	25.00	316.23	30.00	-5.00	1/243
		3840.00	20.12	H	6.52	10.68	24.28	267.92	30.00	-5.72	1/243
		3934.98	20.69	H	6.60	10.60	24.69	294.44	30.00	-5.31	1/243
80	QPSK	3740.01	21.72	H	6.44	10.78	26.07	404.58	30.00	-3.93	1/1
		3840.00	21.04	H	6.52	10.68	25.20	331.13	30.00	-4.80	1/1
		3939.99	21.75	H	6.60	10.59	25.74	374.97	30.00	-4.25	1/215
	16-QAM	3740.01	20.65	H	6.44	10.78	25.00	316.23	30.00	-5.00	1/1
		3840.00	20.06	H	6.52	10.68	24.22	264.24	30.00	-5.78	1/1
		3939.99	20.69	H	6.60	10.59	24.68	293.76	30.00	-5.32	1/215
70	QPSK	3735.00	21.69	H	6.43	10.78	26.04	401.79	30.00	-3.96	1/1
		3840.00	21.05	H	6.52	10.68	25.21	331.89	30.00	-4.79	1/1
		3945.00	22.12	H	6.61	10.58	26.09	406.44	30.00	-3.91	1/187
	16-QAM	3735.00	20.62	H	6.43	10.78	24.97	314.05	30.00	-5.03	1/1
		3840.00	20.04	H	6.52	10.68	24.20	263.03	30.00	-5.80	1/1
		3945.00	20.54	H	6.61	10.58	24.51	282.49	30.00	-5.49	1/1
60	QPSK	3730.02	21.53	H	6.43	10.78	25.88	387.26	30.00	-4.12	1/160
		3840.00	20.80	H	6.52	10.68	24.96	313.33	30.00	-5.04	1/160
		3949.98	22.04	H	6.61	10.57	26.00	398.11	30.00	-4.00	1/160
	16-QAM	3730.02	20.57	H	6.43	10.78	24.92	310.46	30.00	-5.08	1/160
		3840.00	19.88	H	6.52	10.68	24.04	253.51	30.00	-5.96	1/1
		3949.98	20.81	H	6.61	10.57	24.77	299.92	30.00	-5.23	1/81
50	QPSK	3725.01	21.91	H	6.42	10.78	26.27	423.64	30.00	-3.73	1/67
		3840.00	21.17	H	6.52	10.68	25.33	341.19	30.00	-4.67	1/67
		3954.99	22.19	H	6.62	10.57	26.14	411.15	30.00	-3.86	1/67
	16-QAM	3725.01	20.91	H	6.42	10.78	25.27	336.51	30.00	-4.73	1/67
		3840.00	20.18	H	6.52	10.68	24.34	271.64	30.00	-5.66	1/67
		3954.99	20.75	H	6.62	10.57	24.70	295.12	30.00	-5.30	1/67
40	QPSK	3720.02	21.66	H	6.42	10.78	26.02	399.94	30.00	-3.98	1/1
		3840.00	20.88	H	6.52	10.68	25.04	319.15	30.00	-4.96	1/53
		3960.00	21.99	H	6.62	10.58	25.95	393.55	30.00	-4.05	1/53
	16-QAM	3720.02	20.63	H	6.42	10.78	24.99	315.50	30.00	-5.01	1/104
		3840.00	19.77	H	6.52	10.68	23.93	247.17	30.00	-6.07	1/53
		3960.00	20.73	H	6.62	10.58	24.69	294.44	30.00	-5.31	1/1
30	QPSK	3715.02	21.54	H	6.41	10.78	25.91	389.94	30.00	-4.09	1/1
		3840.00	20.96	H	6.52	10.68	25.12	325.09	30.00	-4.88	1/1
		3964.98	21.93	H	6.63	10.58	25.89	388.15	30.00	-4.11	1/76
	16-QAM	3715.02	20.62	H	6.41	10.78	24.99	315.50	30.00	-5.01	1/76
		3840.00	19.99	H	6.52	10.68	24.15	260.02	30.00	-5.85	1/76
		3964.98	20.46	H	6.63	10.58	24.42	276.69	30.00	-5.58	1/76
25	QPSK	3712.50	20.63	H	6.41	10.78	25.00	316.23	30.00	-5.00	1/32
		3840.00	20.21	H	6.52	10.68	24.37	273.53	30.00	-5.63	1/1
		3967.50	20.52	H	6.63	10.59	24.47	279.90	30.00	-5.53	1/1
	16-QAM	3710.01	20.58	H	6.41	10.78	24.95	312.61	30.00	-5.05	1/63
		3840.00	20.45	H	6.52	10.68	24.61	289.07	30.00	-5.39	1/1
		3969.99	20.37	H	6.63	10.59	24.33	271.02	30.00	-5.67	1/1
20	QPSK	3710.01	20.40	H	6.41	10.78	24.77	299.92	30.00	-5.23	1/49
		3840.00	20.28	H	6.52	10.68	24.44	277.97	30.00	-5.56	1/49
		3969.99	20.49	H	6.63	10.59	24.45	278.61	30.00	-5.55	1/49
	16-QAM	3710.01	20.48	H	6.41	10.78	24.85	305.49	30.00	-5.15	1/49
		3840.00	20.37	H	6.52	10.68	24.53	283.79	30.00	-5.47	1/49
		3969.99	20.30	H	6.63	10.59	24.26	266.69	30.00	-5.74	1/49
15	QPSK	3707.52	20.44	H	6.41	10.78	24.81	302.69	30.00	-5.19	1/36
		3840.00	20.19	H	6.52	10.68	24.35	272.27	30.00	-5.65	1/36
		3972.48	20.55	H	6.63	10.59	24.51	282.49	30.00	-5.49	1/36
	16-QAM	3707.52	20.41	H	6.41	10.78	24.78	300.61	30.00	-5.22	1/36
		3840.00	20.34	H	6.52	10.68	24.50	281.84	30.00	-5.50	1/1
		3972.48	20.28	H	6.63	10.59	24.24	265.46	30.00	-5.76	1/36
10	QPSK	3705.00	20.50	H	6.40	10.78	24.88	307.61	30.00	-5.12	1/22
		3840.00	20.25	H	6.52	10.68	24.41	276.06	30.00	-5.59	1/22
		3975.00	20.48	H	6.64	10.59	24.43	277.33	30.00	-5.57	1/22
	16-QAM	3705.00	20.38	H	6.40	10.78	24.76	299.23	30.00	-5.24	1/22
		3840.00	20.42	H	6.52	10.68	24.58	287.08	30.00	-5.42	1/12
		3975.00	20.42	H	6.64	10.59	24.37	273.53	30.00	-5.63	1/22

NR Band n77 (PC2, 3700-3980 MHz, SRS2, ANT C)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
100	3750.00	20.94	H	6.44	10.78	25.28	337.29	33.00	-7.72
	3840.00	20.84	H	6.52	10.68	25.00	316.23	33.00	-8.00
	3930.00	19.64	H	6.60	10.61	23.66	232.27	33.00	-9.34

NR Band n77 (PC2, 3700-3980 MHz, SRS3, ANT H)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
100	3750.00	21.23	H	6.44	10.78	25.57	360.58	33.00	-7.43
	3840.00	20.48	H	6.52	10.68	24.64	291.07	33.00	-8.36
	3930.00	20.41	H	6.60	10.61	24.43	277.33	33.00	-8.57

NR Band n77 (PC2, 3700-3980 MHz, SRS4, ANT K)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
100	3750.00	18.18	H	6.44	10.78	22.52	178.65	33.00	-10.48
	3840.00	16.50	H	6.52	10.68	20.66	116.41	33.00	-12.34
	3930.00	13.74	H	6.60	10.61	17.76	59.66	33.00	-15.24

9.2. RADIATED SPURIOUS EMISSION

RULE PART(S)

FCC: §2.1053, §27. 53

LIMIT

§27.53:

- (a) (4) For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:
- (i) By a factor of not less than: $43 + 10 \log (P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log (P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log (P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log (P)$ dB on all frequencies between 2328 and 2337 MHz;
 - (ii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log (P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log (P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log (P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log (P)$ dB below 2288 MHz;
 - (iii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log (P)$ dB above 2365 MHz.
- (c)(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB.
- (g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB.
- (h) The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB.
- (m) (4) For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

(l)(2) For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

(n)(2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

TEST PROCEDURE

ANSI / TIA / EIA 603 E Clause 2.2.12; ESU40 setting reference to 971168 D01 v03r01

For peak power measurement with a ESU40:

- a) Set the RBW = 100 kHz for emission below 1 GHz and 1 MHz for emissions above 1 GHz
- b) Set VBW $\geq 3 \times$ RBW;
- c) Set span ≥ 1.5 times the OBW;
- d) Sweep time = auto couple;
- e) Detector = rms;
- f) Ensure that the number of measurement points $\geq 2 \times$ span/RBW;
- g) Trace Mode = average(WCDMA, LTE FDD, 5G NR FDD), Maxhold(LTE TDD, 5G NR TDD);

NOTE1

UMTS: It was tested at REL 99 as worst case (the highest output power and density).

LTE: It was tested at 1RB QPSK as worst case (the highest output power and density).

5G NR: All Waveforms (CP-OFDM vs DFT-s_OFDM) and modulations ($\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM) were investigated to determine the worst case configuration. All Modes of operation were investigated and the worst case configuration results are reported in this section.

NOTE2

Please refer to section 5.4 for bandwidth and RB setting about LTE, 5G NR bands.

RESULTS

See the following pages.

9.2.1. SPURIOUS RADIATION RESULT

WCDMA Band 4

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4791615583							
Date:		2025-01-15							
Test Engineer:		28183							
Configuration:		EUT / AC Adapter, Y-Position							
Location:		Chamber 2							
Mode:		Rel99 Band 4 Harmonics							
Test Votage:		AC 120 V, 60 Hz							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1712.4MHz									
3424.80	-8.3	V	3.0	42.9	1.0	-50.3	-13.0	-37.3	
5137.20	-7.4	V	3.0	43.3	1.0	-49.7	-13.0	-36.7	
6849.60	-5.2	V	3.0	43.3	1.0	-47.5	-13.0	-34.5	
3424.80	-8.1	H	3.0	42.9	1.0	-50.0	-13.0	-37.0	
5137.20	-7.4	H	3.0	43.3	1.0	-49.7	-13.0	-36.7	
6849.60	-5.1	H	3.0	43.3	1.0	-47.4	-13.0	-34.4	
Mid Ch, 1732.6MHz									
3465.20	-8.0	V	3.0	43.0	1.0	-50.0	-13.0	-37.0	
5197.80	-7.3	V	3.0	43.3	1.0	-49.6	-13.0	-36.6	
6930.40	-4.5	V	3.0	43.3	1.0	-46.8	-13.0	-33.8	
3465.20	-7.9	H	3.0	43.0	1.0	-49.8	-13.0	-36.8	
5197.80	-7.3	H	3.0	43.3	1.0	-49.6	-13.0	-36.6	
6930.40	-4.7	H	3.0	43.3	1.0	-46.9	-13.0	-33.9	
High Ch, 1752.6MHz									
3505.20	-7.5	V	3.0	43.0	1.0	-49.5	-13.0	-36.5	
5257.80	-7.1	V	3.0	43.3	1.0	-49.4	-13.0	-36.4	
7010.40	-4.2	V	3.0	43.3	1.0	-46.5	-13.0	-33.5	
3505.20	-7.1	H	3.0	43.0	1.0	-49.1	-13.0	-36.1	
5257.80	-7.1	H	3.0	43.3	1.0	-49.4	-13.0	-36.4	
7010.40	-4.4	H	3.0	43.3	1.0	-46.7	-13.0	-33.7	

LTE Band 7

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4791615583							
Date:		2025-01-21							
Test Engineer:		28775							
Configuration:		EUT / AC Adapter, X-Position							
Location:		Chamber 1							
Mode:		LTE_QPSK Band 7 Harmonics, 5MHz Bandwidth							
Test Votage:		AC 120 V, 60 Hz							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 2502.5MHz									
5005.00	-19.3	V	3.0	44.6	1.0	-62.9	-25.0	-37.9	
7507.50	-18.2	V	3.0	44.7	1.0	-62.0	-25.0	-37.0	
10010.00	-15.6	V	3.0	42.9	1.0	-57.4	-25.0	-32.4	
12512.50	-12.9	V	3.0	43.1	1.0	-55.1	-25.0	-30.1	
15015.00	-11.3	V	3.0	44.4	1.0	-54.7	-25.0	-29.7	
5005.00	-19.6	H	3.0	44.6	1.0	-63.1	-25.0	-38.1	
7507.50	-18.4	H	3.0	44.7	1.0	-62.2	-25.0	-37.2	
10010.00	-15.9	H	3.0	42.9	1.0	-57.7	-25.0	-32.7	
12512.50	-13.8	H	3.0	43.1	1.0	-56.0	-25.0	-31.0	
15015.00	-11.4	H	3.0	44.4	1.0	-54.8	-25.0	-29.8	
Mid Ch, 2535MHz									
5070.00	-19.3	V	3.0	44.6	1.0	-62.8	-25.0	-37.8	
7605.00	-15.4	V	3.0	44.7	1.0	-59.1	-25.0	-34.1	
10140.00	-15.7	V	3.0	42.9	1.0	-57.6	-25.0	-32.6	
12675.00	-14.1	V	3.0	43.2	1.0	-56.4	-25.0	-31.4	
15210.00	-11.7	V	3.0	44.4	1.0	-55.2	-25.0	-30.2	
5070.00	-19.4	H	3.0	44.6	1.0	-63.0	-25.0	-38.0	
7605.00	-15.9	H	3.0	44.7	1.0	-59.6	-25.0	-34.6	
10140.00	-15.1	H	3.0	42.9	1.0	-57.0	-25.0	-32.0	
12675.00	-13.7	H	3.0	43.2	1.0	-55.9	-25.0	-30.9	
15210.00	-11.8	H	3.0	44.4	1.0	-55.2	-25.0	-30.2	
High Ch, 2567.5MHz									
5135.00	-19.8	V	3.0	44.6	1.0	-63.4	-25.0	-38.4	
7702.50	-18.3	V	3.0	44.6	1.0	-61.9	-25.0	-36.9	
10270.00	-14.3	V	3.0	42.9	1.0	-56.2	-25.0	-31.2	
12837.50	-13.5	V	3.0	43.3	1.0	-55.8	-25.0	-30.8	
15405.00	-11.7	V	3.0	44.5	1.0	-55.2	-25.0	-30.2	
5135.00	-19.8	H	3.0	44.6	1.0	-63.3	-25.0	-38.3	
7702.50	-18.4	H	3.0	44.6	1.0	-62.0	-25.0	-37.0	
10270.00	-15.4	H	3.0	42.9	1.0	-57.3	-25.0	-32.3	
12837.50	-13.6	H	3.0	43.3	1.0	-55.9	-25.0	-30.9	
15405.00	-11.9	H	3.0	44.5	1.0	-55.4	-25.0	-30.4	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4791615583							
Date:		2025-02-04							
Test Engineer:		28775							
Configuration:		EUT / Z-Position							
Location:		Chamber 1							
Mode:		LTE_QPSK Band 7 Harmonics, 20MHz Bandwidth							
Test Voltage:		AC 120 V, 60 Hz							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 2510MHz									
5020.00	-16.3	V	3.0	44.6	1.0	-59.9	-25.0	-34.9	
7530.00	-15.7	V	3.0	44.7	1.0	-59.4	-25.0	-34.4	
10040.00	-13.2	V	3.0	42.9	1.0	-55.1	-25.0	-30.1	
5020.00	-17.6	H	3.0	44.6	1.0	-61.2	-25.0	-36.2	
7530.00	-15.7	H	3.0	44.7	1.0	-59.4	-25.0	-34.4	
10040.00	-13.0	H	3.0	42.9	1.0	-54.9	-25.0	-29.9	
Mid Ch, 2535MHz									
5070.00	-14.9	V	3.0	44.6	1.0	-58.5	-25.0	-33.5	
7605.00	-15.9	V	3.0	44.7	1.0	-59.5	-25.0	-34.5	
10140.00	-13.4	V	3.0	42.9	1.0	-55.3	-25.0	-30.3	
5070.00	-17.4	H	3.0	44.6	1.0	-61.0	-25.0	-36.0	
7605.00	-15.9	H	3.0	44.7	1.0	-59.6	-25.0	-34.6	
10140.00	-13.3	H	3.0	42.9	1.0	-55.2	-25.0	-30.2	
High Ch, 2560MHz									
5120.00	-14.1	V	3.0	44.6	1.0	-57.7	-25.0	-32.7	
7680.00	-15.6	V	3.0	44.6	1.0	-59.2	-25.0	-34.2	
10240.00	-13.6	V	3.0	42.9	1.0	-55.5	-25.0	-30.5	
5120.00	-17.1	H	3.0	44.6	1.0	-60.7	-25.0	-35.7	
7680.00	-15.6	H	3.0	44.6	1.0	-59.2	-25.0	-34.2	
10240.00	-13.4	H	3.0	42.9	1.0	-55.3	-25.0	-30.3	

LTE Band 12

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4791615583							
Date:		2025-02-04							
Test Engineer:		28775							
Configuration:		EUT / AC Adapter, X-Position							
Location:		Chamber 1							
Mode:		LTE_QPSK Band 12 Harmonics, 5MHz Bandwidth							
Test Votage:		AC 120 V, 60 Hz							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
5 MHz									
QPSK									
ANT A									
Low Ch, 701.5MHz									
1403.00	-15.5	V	3.0	43.0	1.0	-57.5	-13.0	-44.5	
2104.50	-13.1	V	3.0	44.0	1.0	-56.1	-13.0	-43.1	
2806.00	-11.1	V	3.0	43.5	1.0	-53.6	-13.0	-40.6	
1403.00	-16.3	H	3.0	43.0	1.0	-58.3	-13.0	-45.3	
2104.50	-13.4	H	3.0	44.0	1.0	-56.4	-13.0	-43.4	
2806.00	-11.3	H	3.0	43.5	1.0	-53.8	-13.0	-40.8	
Mid Ch, 707.5MHz									
1415.00	-15.8	V	3.0	43.0	1.0	-57.8	-13.0	-44.8	
2122.50	-13.0	V	3.0	44.0	1.0	-56.0	-13.0	-43.0	
2830.00	-11.0	V	3.0	43.5	1.0	-53.6	-13.0	-40.6	
1415.00	-17.1	H	3.0	43.0	1.0	-59.1	-13.0	-46.1	
2122.50	-13.7	H	3.0	44.0	1.0	-56.7	-13.0	-43.7	
2830.00	-11.1	H	3.0	43.5	1.0	-53.7	-13.0	-40.7	
High Ch, 713.5MHz									
1427.00	-16.0	V	3.0	43.0	1.0	-58.0	-13.0	-45.0	
2140.50	-13.0	V	3.0	44.0	1.0	-56.0	-13.0	-43.0	
2854.00	-10.8	V	3.0	43.5	1.0	-53.3	-13.0	-40.3	
1427.00	-16.4	H	3.0	43.0	1.0	-58.4	-13.0	-45.4	
2140.50	-13.6	H	3.0	44.0	1.0	-56.7	-13.0	-43.7	
2854.00	-10.9	H	3.0	43.5	1.0	-53.4	-13.0	-40.4	
UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4791615583							
Date:		2025-01-14							
Test Engineer:		26087							
Configuration:		EUT / AC Adapter, X-Position							
Location:		Chamber 2							
Mode:		LTE_QPSK Band 12 Harmonics, 10MHz Bandwidth							
Test Votage:		AC 120 V, 60 Hz							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
10 MHz									
QPSK									
ANT E									
Low Ch, 704MHz									
1408.00	-16.3	V	3.0	41.9	1.0	-57.2	-13.0	-44.2	
2112.00	-13.8	V	3.0	42.1	1.0	-54.8	-13.0	-41.8	
2816.00	-11.0	V	3.0	42.6	1.0	-52.6	-13.0	-39.6	
1408.00	-16.5	H	3.0	41.9	1.0	-57.5	-13.0	-44.5	
2112.00	-14.2	H	3.0	42.1	1.0	-55.2	-13.0	-42.2	
2816.00	-11.1	H	3.0	42.6	1.0	-52.7	-13.0	-39.7	
Mid Ch, 707.5MHz									
1415.00	-16.3	V	3.0	41.9	1.0	-57.3	-13.0	-44.3	
2122.50	-13.7	V	3.0	42.1	1.0	-54.8	-13.0	-41.8	
2830.00	-10.9	V	3.0	42.6	1.0	-52.6	-13.0	-39.6	
1415.00	-16.0	H	3.0	41.9	1.0	-57.0	-13.0	-44.0	
2122.50	-14.0	H	3.0	42.1	1.0	-55.1	-13.0	-42.1	
2830.00	-11.0	H	3.0	42.6	1.0	-52.6	-13.0	-39.6	
High Ch, 711MHz									
1422.00	-16.5	V	3.0	41.9	1.0	-57.5	-13.0	-44.5	
2133.00	-13.6	V	3.0	42.1	1.0	-54.7	-13.0	-41.7	
2844.00	-10.8	V	3.0	42.6	1.0	-52.4	-13.0	-39.4	
1422.00	-16.4	H	3.0	41.9	1.0	-57.3	-13.0	-44.3	
2133.00	-19.1	H	3.0	42.1	1.0	-60.2	-13.0	-47.2	
2844.00	-10.9	H	3.0	42.6	1.0	-52.5	-13.0	-39.5	

LTE Band 13

5 MHz QPSK ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791615583 Date: 2025-02-03 Test Engineer: 28775 Configuration: EUT / AC Adapter, Y-Position Location: Chamber 1 Mode: LTE_QPSK Band 13 Harmonics, 5MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 779.5MHz									
	1559.00	-22.6	V	3.0	43.3	1.0	-64.8	-40.0	-24.8	
	2338.50	-12.6	V	3.0	43.9	1.0	-55.5	-13.0	-42.5	
	3118.00	-10.3	V	3.0	43.5	1.0	-52.9	-13.0	-39.9	
	1559.00	-23.9	H	3.0	43.3	1.0	-66.2	-40.0	-26.2	
	2338.50	-12.9	H	3.0	43.9	1.0	-55.8	-13.0	-42.8	
	3118.00	-10.3	H	3.0	43.5	1.0	-52.9	-13.0	-39.9	
	Mid Ch, 782MHz									
	1564.00	-23.0	V	3.0	43.3	1.0	-65.3	-40.0	-25.3	
	2346.00	-12.7	V	3.0	43.9	1.0	-55.5	-13.0	-42.5	
	3128.00	-10.3	V	3.0	43.5	1.0	-52.8	-13.0	-39.8	
	1564.00	-22.4	H	3.0	43.3	1.0	-64.7	-40.0	-24.7	
	2346.00	-13.2	H	3.0	43.9	1.0	-56.1	-13.0	-43.1	
	3128.00	-10.3	H	3.0	43.5	1.0	-52.9	-13.0	-39.9	
	High Ch, 784.5MHz									
	1569.00	-23.0	V	3.0	43.3	1.0	-65.3	-40.0	-25.3	
	2353.50	-12.6	V	3.0	43.9	1.0	-55.5	-13.0	-42.5	
	3138.00	-10.2	V	3.0	43.6	1.0	-52.8	-13.0	-39.8	
	1569.00	-23.5	H	3.0	43.3	1.0	-65.8	-40.0	-25.8	
	2353.50	-12.9	H	3.0	43.9	1.0	-55.7	-13.0	-42.7	
	3138.00	-10.2	H	3.0	43.6	1.0	-52.8	-13.0	-39.8	
10 MHz QPSK ANT E	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791615583 Date: 2025-01-13 Test Engineer: 26087 Configuration: EUT / AC Adapter, X-Position Location: Chamber 2 Mode: LTE_QPSK Band 13 Harmonics, 10MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Mid Ch, 782MHz									
	1564.00	-23.7	V	3.0	42.0	1.0	-64.7	-40.0	-24.7	
	2346.00	-12.3	V	3.0	42.2	1.0	-53.5	-13.0	-40.5	
	3128.00	-9.2	V	3.0	42.8	1.0	-51.0	-13.0	-38.0	
	3910.00	-9.2	V	3.0	43.2	1.0	-51.4	-13.0	-38.4	
	4692.00	-7.8	V	3.0	43.2	1.0	-50.1	-13.0	-37.1	
	1564.00	-19.6	H	3.0	42.0	1.0	-60.6	-40.0	-20.6	
	2346.00	-12.6	H	3.0	42.2	1.0	-53.8	-13.0	-40.8	
	3128.00	-9.1	H	3.0	42.8	1.0	-51.0	-13.0	-38.0	
	3910.00	-8.9	H	3.0	43.2	1.0	-51.0	-13.0	-38.0	
	4692.00	-7.7	H	3.0	43.2	1.0	-49.9	-13.0	-36.9	

LTE Band 30

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4791615583							
Date:		2025-01-21							
Test Engineer:		28775							
Configuration:		EUT / AC Adapter, X-Position							
Location:		Chamber 2							
Mode:		LTE_QPSK Band 30 Harmonics, 5MHz Bandwidth							
Test Votage:		AC 120 V, 60 Hz							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 2307.5MHz									
4615.00	-20.0	V	3.0	43.2	1.0	-62.2	-40.0	-22.2	
6922.50	-12.0	V	3.0	43.3	1.0	-54.3	-40.0	-14.3	
9230.00	-17.8	V	3.0	42.0	1.0	-58.8	-40.0	-18.8	
11537.50	-15.6	V	3.0	40.3	1.0	-54.8	-40.0	-14.8	
13845.00	-15.6	V	3.0	40.0	1.0	-54.6	-40.0	-14.6	
4615.00	-19.4	H	3.0	43.2	1.0	-61.6	-40.0	-21.6	
6922.50	-9.6	H	3.0	43.3	1.0	-51.9	-40.0	-11.9	
9230.00	-17.9	H	3.0	42.0	1.0	-58.9	-40.0	-18.9	
11537.50	-16.8	H	3.0	40.3	1.0	-56.0	-40.0	-16.0	
13845.00	-15.7	H	3.0	40.0	1.0	-54.7	-40.0	-14.7	
Mid Ch, 2310MHz									
4620.00	-20.1	V	3.0	43.2	1.0	-62.3	-40.0	-22.3	
6930.00	-10.7	V	3.0	43.3	1.0	-53.0	-40.0	-13.0	
9240.00	-17.7	V	3.0	42.0	1.0	-58.7	-40.0	-18.7	
11550.00	-14.8	V	3.0	40.3	1.0	-54.0	-40.0	-14.0	
13860.00	-15.7	V	3.0	40.0	1.0	-54.7	-40.0	-14.7	
4620.00	-19.1	H	3.0	43.2	1.0	-61.4	-40.0	-21.4	
6930.00	-10.7	H	3.0	43.3	1.0	-53.0	-40.0	-13.0	
9240.00	-17.8	H	3.0	42.0	1.0	-58.8	-40.0	-18.8	
11550.00	-16.2	H	3.0	40.3	1.0	-55.4	-40.0	-15.4	
13860.00	-15.7	H	3.0	40.0	1.0	-54.7	-40.0	-14.7	
High Ch, 2312.5MHz									
4625.00	-20.0	V	3.0	43.2	1.0	-62.2	-40.0	-22.2	
6937.50	-8.2	V	3.0	43.3	1.0	-50.5	-40.0	-10.5	
9250.00	-17.9	V	3.0	42.0	1.0	-58.9	-40.0	-18.9	
11562.50	-14.9	V	3.0	40.2	1.0	-54.1	-40.0	-14.1	
13875.00	-15.7	V	3.0	40.0	1.0	-54.7	-40.0	-14.7	
4625.00	-19.4	H	3.0	43.2	1.0	-61.6	-40.0	-21.6	
6937.50	-6.9	H	3.0	43.3	1.0	-49.2	-40.0	-9.2	
9250.00	-18.1	H	3.0	42.0	1.0	-59.0	-40.0	-19.0	
11562.50	-16.6	H	3.0	40.2	1.0	-55.8	-40.0	-15.8	
13875.00	-16.0	H	3.0	40.0	1.0	-55.0	-40.0	-15.0	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4791615583							
Date:		2025-02-04							
Test Engineer:		28775							
Configuration:		EUT / AC Adapter, Z-Position							
Location:		Chamber 1							
Mode:		LTE_QPSK Band 30 Harmonics, 5MHz Bandwidth							
Test Voltage:		AC 120 V, 60 Hz							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
5 MHz									
QPSK									
ANT F									
Low Ch, 2307.5MHz									
4615.00	-18.3	V	3.0	44.6	1.0	-61.9	-40.0	-21.9	
6922.50	-18.6	V	3.0	45.1	1.0	-62.7	-40.0	-22.7	
9230.00	-17.8	V	3.0	44.3	1.0	-61.1	-40.0	-21.1	
4615.00	-17.3	H	3.0	44.6	1.0	-60.9	-40.0	-20.9	
6922.50	-18.5	H	3.0	45.1	1.0	-62.6	-40.0	-22.6	
9230.00	-16.6	H	3.0	44.3	1.0	-59.9	-40.0	-19.9	
Mid Ch, 2310MHz									
4620.00	-19.1	V	3.0	44.6	1.0	-62.7	-40.0	-22.7	
6930.00	-18.7	V	3.0	45.1	1.0	-62.8	-40.0	-22.8	
9240.00	-17.7	V	3.0	44.3	1.0	-61.0	-40.0	-21.0	
4620.00	-17.1	H	3.0	44.6	1.0	-60.6	-40.0	-20.6	
6930.00	-18.4	H	3.0	45.1	1.0	-62.5	-40.0	-22.5	
9240.00	-16.5	H	3.0	44.3	1.0	-59.8	-40.0	-19.8	
High Ch, 2312.5MHz									
4625.00	-20.0	V	3.0	44.6	1.0	-63.5	-40.0	-23.5	
6937.50	-18.8	V	3.0	45.1	1.0	-62.9	-40.0	-22.9	
9250.00	-17.7	V	3.0	44.3	1.0	-61.0	-40.0	-21.0	
4625.00	-17.3	H	3.0	44.6	1.0	-60.9	-40.0	-20.9	
6937.50	-18.7	H	3.0	45.1	1.0	-62.7	-40.0	-22.7	
9250.00	-16.2	H	3.0	44.3	1.0	-59.5	-40.0	-19.5	

LTE Band 41 (PC3)

5 MHz QPSK ANT B	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791615583									
	Date: 2025-01-21									
	Test Engineer: 28775									
	Configuration: EUT / AC Adapter, X-Position									
	Location: Chamber 2									
	Mode: LTE_QPSK Band 41 Harmonics, 5MHz Bandwidth									
	Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2498.5MHz									
	4997.00	-15.4	V	3.0	43.3	1.0	-57.7	-25.0	-32.7	
	7495.50	-9.2	V	3.0	43.0	1.0	-51.2	-25.0	-26.2	
	9994.00	-10.5	V	3.0	41.6	1.0	-51.1	-25.0	-26.1	
	12492.50	-5.4	V	3.0	39.9	1.0	-44.3	-25.0	-19.3	
	14991.00	-2.5	V	3.0	40.1	1.0	-41.6	-25.0	-16.6	
	4997.00	-14.9	H	3.0	43.3	1.0	-57.2	-25.0	-32.2	
	7495.50	-11.8	H	3.0	43.0	1.0	-53.8	-25.0	-28.8	
	9994.00	-10.3	H	3.0	41.6	1.0	-50.8	-25.0	-25.8	
	12492.50	-6.5	H	3.0	39.9	1.0	-45.4	-25.0	-20.4	
	14991.00	-2.7	H	3.0	40.1	1.0	-41.8	-25.0	-16.8	
	Mid Ch, 2593MHz									
	5186.00	-15.0	V	3.0	43.3	1.0	-57.3	-25.0	-32.3	
	7779.00	-7.5	V	3.0	42.8	1.0	-49.3	-25.0	-24.3	
	10372.00	-10.3	V	3.0	41.3	1.0	-50.6	-25.0	-25.6	
	12965.00	-5.6	V	3.0	40.0	1.0	-44.5	-25.0	-19.5	
15558.00	-1.3	V	3.0	40.2	1.0	-40.6	-25.0	-15.6		
5186.00	-14.8	H	3.0	43.3	1.0	-57.1	-25.0	-32.1		
7779.00	-3.0	H	3.0	42.8	1.0	-44.7	-25.0	-19.7		
10372.00	-9.9	H	3.0	41.3	1.0	-50.2	-25.0	-25.2		
12965.00	-5.6	H	3.0	40.0	1.0	-44.6	-25.0	-19.6		
15558.00	-1.5	H	3.0	40.2	1.0	-40.7	-25.0	-15.7		
High Ch, 2687.5MHz										
5375.00	-14.3	V	3.0	43.4	1.0	-56.7	-25.0	-31.7		
8062.50	-10.2	V	3.0	42.6	1.0	-51.8	-25.0	-26.8		
10750.00	-9.7	V	3.0	40.9	1.0	-49.6	-25.0	-24.6		
13437.50	-5.1	V	3.0	40.0	1.0	-44.1	-25.0	-19.1		
16125.00	-0.2	V	3.0	40.3	1.0	-39.5	-25.0	-14.5		
5375.00	-14.1	H	3.0	43.4	1.0	-56.4	-25.0	-31.4		
8062.50	-10.1	H	3.0	42.6	1.0	-51.6	-25.0	-26.6		
10750.00	-9.5	H	3.0	40.9	1.0	-49.4	-25.0	-24.4		
13437.50	-5.2	H	3.0	40.0	1.0	-44.2	-25.0	-19.2		
16125.00	-0.2	H	3.0	40.3	1.0	-39.5	-25.0	-14.5		

LTE Band 66

15 MHz QPSK ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791615583 Date: 2025-01-09 Test Engineer: 28775 Configuration: EUT / AC Adapter, Y-Position Location: Chamber 2 Mode: LTE_QPSK Band 66 Harmonics, 15MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 1717.5MHz									
	3435.00	-9.2	V	3.0	43.0	1.0	-51.1	-13.0	-38.1	
	5152.50	-8.5	V	3.0	43.3	1.0	-50.8	-13.0	-37.8	
	6870.00	-5.7	V	3.0	43.3	1.0	-48.0	-13.0	-35.0	
	3435.00	-9.0	H	3.0	43.0	1.0	-50.9	-13.0	-37.9	
	5152.50	-8.5	H	3.0	43.3	1.0	-50.8	-13.0	-37.8	
	6870.00	-5.8	H	3.0	43.3	1.0	-48.1	-13.0	-35.1	
	Mid Ch, 1745MHz									
	3490.00	-8.3	V	3.0	43.0	1.0	-50.2	-13.0	-37.2	
	5235.00	-8.3	V	3.0	43.3	1.0	-50.6	-13.0	-37.6	
	6980.00	-5.9	V	3.0	43.3	1.0	-48.2	-13.0	-35.2	
	3490.00	-8.1	H	3.0	43.0	1.0	-50.1	-13.0	-37.1	
	5235.00	-8.3	H	3.0	43.3	1.0	-50.6	-13.0	-37.6	
	6980.00	-5.7	H	3.0	43.3	1.0	-48.0	-13.0	-35.0	
	High Ch, 1772.5MHz									
	3545.00	-7.7	V	3.0	43.0	1.0	-49.7	-13.0	-36.7	
	5317.50	-8.0	V	3.0	43.3	1.0	-50.3	-13.0	-37.3	
	7090.00	-5.5	V	3.0	43.2	1.0	-47.7	-13.0	-34.7	
	3545.00	-7.6	H	3.0	43.0	1.0	-49.6	-13.0	-36.6	
	5317.50	-8.0	H	3.0	43.3	1.0	-50.4	-13.0	-37.4	
	7090.00	-5.6	H	3.0	43.2	1.0	-47.8	-13.0	-34.8	
15 MHz QPSK ANT F	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791615583 Date: 2025-02-05 Test Engineer: 28775 Configuration: EUT / AC Adapter, X-Position Location: Chamber 1 Mode: LTE_QPSK Band 66 Harmonics, 15MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 1717.5MHz									
	3435.00	-8.3	V	3.0	43.9	1.0	-51.2	-13.0	-38.2	
	5152.50	-7.1	V	3.0	44.6	1.0	-50.7	-13.0	-37.7	
	6870.00	-4.4	V	3.0	45.1	1.0	-48.5	-13.0	-35.5	
	3435.00	-8.4	H	3.0	43.9	1.0	-51.3	-13.0	-38.3	
	5152.50	-7.2	H	3.0	44.6	1.0	-50.8	-13.0	-37.8	
	6870.00	-4.3	H	3.0	45.1	1.0	-48.4	-13.0	-35.4	
	Mid Ch, 1745MHz									
	3490.00	-8.1	V	3.0	44.0	1.0	-51.1	-13.0	-38.1	
	5235.00	-7.0	V	3.0	44.6	1.0	-50.5	-13.0	-37.5	
	6980.00	-4.1	V	3.0	45.1	1.0	-48.2	-13.0	-35.2	
	3490.00	-8.1	H	3.0	44.0	1.0	-51.1	-13.0	-38.1	
	5235.00	-7.0	H	3.0	44.6	1.0	-50.6	-13.0	-37.6	
	6980.00	-4.0	H	3.0	45.1	1.0	-48.1	-13.0	-35.1	
	High Ch, 1772.5MHz									
	3545.00	-8.0	V	3.0	44.1	1.0	-51.0	-13.0	-38.0	
	5317.50	-6.8	V	3.0	44.6	1.0	-50.4	-13.0	-37.4	
	7090.00	-3.8	V	3.0	45.0	1.0	-47.9	-13.0	-34.9	
	3545.00	-7.9	H	3.0	44.1	1.0	-50.9	-13.0	-37.9	
	5317.50	-6.9	H	3.0	44.6	1.0	-50.5	-13.0	-37.5	
	7090.00	-3.8	H	3.0	45.0	1.0	-47.8	-13.0	-34.8	

NR Band n7 DFT-s OFDM

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4791615583							
Date:		2025-02-11							
Test Engineer:		28775							
Configuration:		EUT / AC Adapter, X-Position							
Location:		Chamber 1							
Mode:		5G NR_QPSK NR n7 Harmonics, 50MHz Bandwidth							
Test Voltage:		AC 120 V, 60 Hz							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 2525MHz									
5050.00	-18.2	V	3.0	44.6	1.0	-61.7	-25.0	-36.7	
7575.00	-8.5	V	3.0	44.7	1.0	-52.2	-25.0	-27.2	
10100.00	-12.8	V	3.0	42.9	1.0	-54.7	-25.0	-29.7	
12625.00	-10.9	V	3.0	43.2	1.0	-53.2	-25.0	-28.2	
15150.00	-8.8	V	3.0	44.4	1.0	-52.2	-25.0	-27.2	
5050.00	-17.5	H	3.0	44.6	1.0	-61.1	-25.0	-36.1	
7575.00	-12.5	H	3.0	44.7	1.0	-56.2	-25.0	-31.2	
10100.00	-13.2	H	3.0	42.9	1.0	-55.1	-25.0	-30.1	
12625.00	-11.2	H	3.0	43.2	1.0	-53.4	-25.0	-28.4	
15150.00	-7.9	H	3.0	44.4	1.0	-51.3	-25.0	-26.3	
Mid Ch, 2535MHz									
5070.00	-17.9	V	3.0	44.6	1.0	-61.4	-25.0	-36.4	
7605.00	-7.7	V	3.0	44.7	1.0	-51.3	-25.0	-26.3	
10140.00	-12.2	V	3.0	42.9	1.0	-54.1	-25.0	-29.1	
12675.00	-11.3	V	3.0	43.2	1.0	-53.5	-25.0	-28.5	
15210.00	-8.6	V	3.0	44.4	1.0	-52.0	-25.0	-27.0	
5070.00	-17.7	H	3.0	44.6	1.0	-61.2	-25.0	-36.2	
7605.00	-10.9	H	3.0	44.7	1.0	-54.6	-25.0	-29.6	
10140.00	-12.9	H	3.0	42.9	1.0	-54.8	-25.0	-29.8	
12675.00	-11.3	H	3.0	43.2	1.0	-53.5	-25.0	-28.5	
15210.00	-8.7	H	3.0	44.4	1.0	-52.1	-25.0	-27.1	
High Ch, 2545MHz									
5090.00	-18.1	V	3.0	44.6	1.0	-61.7	-25.0	-36.7	
7635.00	-9.2	V	3.0	44.6	1.0	-52.9	-25.0	-27.9	
10180.00	-12.9	V	3.0	42.9	1.0	-54.8	-25.0	-29.8	
12725.00	-11.2	V	3.0	43.3	1.0	-53.5	-25.0	-28.5	
15270.00	-8.6	V	3.0	44.5	1.0	-52.0	-25.0	-27.0	
5090.00	-18.0	H	3.0	44.6	1.0	-61.6	-25.0	-36.6	
7635.00	-13.4	H	3.0	44.6	1.0	-57.0	-25.0	-32.0	
10180.00	-13.2	H	3.0	42.9	1.0	-55.1	-25.0	-30.1	
12725.00	-11.2	H	3.0	43.3	1.0	-53.4	-25.0	-28.4	
15270.00	-8.6	H	3.0	44.5	1.0	-52.0	-25.0	-27.0	

NR Band n12 DFT-s OFDM

15 MHz QPSK ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791615583									
	Date: 2025-01-14									
	Test Engineer: 26087									
	Configuration: EUT / AC Adapter, X-Position									
	Location: Chamber 1									
	Mode: 5G NR_QPSK NR n12 Harmonics, 15MHz Bandwidth									
	Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 706.5MHz									
	1413.00	-16.2	V	3.0	43.0	1.0	-58.2	-13.0	-45.2	
	2119.50	-12.9	V	3.0	44.0	1.0	-56.0	-13.0	-43.0	
	2826.00	-10.3	V	3.0	43.5	1.0	-52.8	-13.0	-39.8	
	1413.00	-17.2	H	3.0	43.0	1.0	-59.2	-13.0	-46.2	
	2119.50	-13.6	H	3.0	44.0	1.0	-56.7	-13.0	-43.7	
	2826.00	-10.6	H	3.0	43.5	1.0	-53.1	-13.0	-40.1	
	Mid Ch, 707.5MHz									
	1415.00	-16.3	V	3.0	43.0	1.0	-58.3	-13.0	-45.3	
	2122.50	-11.4	V	3.0	44.0	1.0	-54.4	-13.0	-41.4	
	2830.00	-10.4	V	3.0	43.5	1.0	-52.9	-13.0	-39.9	
	1415.00	-17.1	H	3.0	43.0	1.0	-59.1	-13.0	-46.1	
	2122.50	-10.2	H	3.0	44.0	1.0	-53.3	-13.0	-40.3	
	2830.00	-10.6	H	3.0	43.5	1.0	-53.1	-13.0	-40.1	
High Ch, 708.5MHz										
1417.00	-16.3	V	3.0	43.0	1.0	-58.3	-13.0	-45.3		
2125.50	-12.9	V	3.0	44.0	1.0	-56.0	-13.0	-43.0		
2834.00	-10.4	V	3.0	43.5	1.0	-52.9	-13.0	-39.9		
1417.00	-17.2	H	3.0	43.0	1.0	-59.2	-13.0	-46.2		
2125.50	-13.6	H	3.0	44.0	1.0	-56.7	-13.0	-43.7		
2834.00	-10.6	H	3.0	43.5	1.0	-53.2	-13.0	-40.2		
10 MHz QPSK ANT E	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791615583									
	Date: 2025-01-13									
	Test Engineer: 26087									
	Configuration: EUT / AC Adapter, Y-Position									
	Location: Chamber 1									
	Mode: 5G NR_QPSK NR n12 Harmonics, 10MHz Bandwidth									
	Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 704MHz									
	1408.00	-16.2	V	3.0	43.0	1.0	-58.2	-13.0	-45.2	
	2112.00	-13.6	V	3.0	44.0	1.0	-56.6	-13.0	-43.6	
	2816.00	-11.0	V	3.0	43.5	1.0	-53.5	-13.0	-40.5	
	1408.00	-16.1	H	3.0	43.0	1.0	-58.1	-13.0	-45.1	
	2112.00	-14.2	H	3.0	44.0	1.0	-57.2	-13.0	-44.2	
	2816.00	-11.3	H	3.0	43.5	1.0	-53.8	-13.0	-40.8	
	Mid Ch, 707.5MHz									
	1415.00	-16.2	V	3.0	43.0	1.0	-58.2	-13.0	-45.2	
	2122.50	-13.5	V	3.0	44.0	1.0	-56.6	-13.0	-43.6	
	2830.00	-10.9	V	3.0	43.5	1.0	-53.4	-13.0	-40.4	
	1415.00	-16.8	H	3.0	43.0	1.0	-58.8	-13.0	-45.8	
	2122.50	-14.2	H	3.0	44.0	1.0	-57.3	-13.0	-44.3	
	2830.00	-11.1	H	3.0	43.5	1.0	-53.6	-13.0	-40.6	
High Ch, 711MHz										
1422.00	-16.2	V	3.0	43.0	1.0	-58.3	-13.0	-45.3		
2133.00	-13.5	V	3.0	44.0	1.0	-56.5	-13.0	-43.5		
2844.00	-10.9	V	3.0	43.5	1.0	-53.4	-13.0	-40.4		
1422.00	-16.8	H	3.0	43.0	1.0	-58.8	-13.0	-45.8		
2133.00	-14.1	H	3.0	44.0	1.0	-57.1	-13.0	-44.1		
2844.00	-11.1	H	3.0	43.5	1.0	-53.6	-13.0	-40.6		

NR Band n30 DFT-s OFDM

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4791615583							
Date:		2025-01-20							
Test Engineer:		26087							
Configuration:		EUT / AC Adapter, Y-Position							
Location:		Chamber 2							
Mode:		5G NR_BPSK NR n30 Harmonics, 5MHz Bandwidth							
Test Voltage:		AC 120 V, 60 Hz							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 2307.5MHz									
4615.00	-15.7	V	3.0	43.2	1.0	-57.9	-40.0	-17.9	
6922.50	-17.6	V	3.0	43.3	1.0	-59.9	-40.0	-19.9	
9230.00	-17.6	V	3.0	42.0	1.0	-58.6	-40.0	-18.6	
11537.50	-16.3	V	3.0	40.3	1.0	-55.6	-40.0	-15.6	
13845.00	-15.2	V	3.0	40.0	1.0	-54.2	-40.0	-14.2	
4615.00	-16.3	H	3.0	43.2	1.0	-58.6	-40.0	-18.6	
6922.50	-17.4	H	3.0	43.3	1.0	-59.7	-40.0	-19.7	
9230.00	-17.7	H	3.0	42.0	1.0	-58.7	-40.0	-18.7	
11537.50	-14.8	H	3.0	40.3	1.0	-54.1	-40.0	-14.1	
13845.00	-15.0	H	3.0	40.0	1.0	-54.1	-40.0	-14.1	
Mid Ch, 2310MHz									
4620.00	-15.9	V	3.0	43.2	1.0	-58.1	-40.0	-18.1	
6930.00	-17.7	V	3.0	43.3	1.0	-60.0	-40.0	-20.0	
9240.00	-17.6	V	3.0	42.0	1.0	-58.6	-40.0	-18.6	
11550.00	-15.9	V	3.0	40.3	1.0	-55.1	-40.0	-15.1	
13860.00	-15.0	V	3.0	40.0	1.0	-54.0	-40.0	-14.0	
4620.00	-17.4	H	3.0	43.2	1.0	-59.7	-40.0	-19.7	
6930.00	-18.6	H	3.0	43.3	1.0	-60.9	-40.0	-20.9	
9240.00	-17.7	H	3.0	42.0	1.0	-58.6	-40.0	-18.6	
11550.00	-14.4	H	3.0	40.3	1.0	-53.7	-40.0	-13.7	
13860.00	-15.1	H	3.0	40.0	1.0	-54.1	-40.0	-14.1	
High Ch, 2312.5MHz									
4625.00	-15.9	V	3.0	43.2	1.0	-58.1	-40.0	-18.1	
6937.50	-18.1	V	3.0	43.3	1.0	-60.4	-40.0	-20.4	
9250.00	-17.6	V	3.0	42.0	1.0	-58.6	-40.0	-18.6	
11562.50	-15.6	V	3.0	40.2	1.0	-54.9	-40.0	-14.9	
13875.00	-15.5	V	3.0	40.0	1.0	-54.6	-40.0	-14.6	
4625.00	-17.6	H	3.0	43.2	1.0	-59.8	-40.0	-19.8	
6937.50	-18.3	H	3.0	43.3	1.0	-60.6	-40.0	-20.6	
9250.00	-17.8	H	3.0	42.0	1.0	-58.7	-40.0	-18.7	
11562.50	-13.8	H	3.0	40.2	1.0	-53.1	-40.0	-13.1	
13875.00	-15.5	H	3.0	40.0	1.0	-54.5	-40.0	-14.5	

NR Band n41 Switching (PC2) DFT-s OFDM

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4791615583							
Date:		2025-02-12							
Test Engineer:		28775							
Configuration:		EUT / Z-Position							
Location:		Chamber 1							
Mode:		5G NR_QPSK NR n41 Harmonics, 45MHz Bandwidth							
Test Voltage:		AC 120 V, 60 Hz							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 2518.51MHz									
5037.02	-14.4	V	3.0	44.6	1.0	-58.0	-25.0	-33.0	
7555.53	-7.2	V	3.0	44.7	1.0	-50.9	-25.0	-25.9	
10074.04	-10.5	V	3.0	42.9	1.0	-52.4	-25.0	-27.4	
12592.55	-7.1	V	3.0	43.2	1.0	-49.3	-25.0	-24.3	
15111.06	-8.8	V	3.0	44.4	1.0	-52.2	-25.0	-27.2	
5037.02	-13.7	H	3.0	44.6	1.0	-57.3	-25.0	-32.3	
7555.53	-2.4	H	3.0	44.7	1.0	-46.1	-25.0	-21.1	
10074.04	-10.8	H	3.0	42.9	1.0	-52.7	-25.0	-27.7	
12592.55	-7.8	H	3.0	43.2	1.0	-50.0	-25.0	-25.0	
15111.06	-8.8	H	3.0	44.4	1.0	-52.3	-25.0	-27.3	
Mid Ch, 2592.99MHz									
5185.98	-14.9	V	3.0	44.6	1.0	-58.4	-25.0	-33.4	
7778.97	-1.4	V	3.0	44.5	1.0	-44.9	-25.0	-19.9	
10371.96	-10.3	V	3.0	42.9	1.0	-52.2	-25.0	-27.2	
12964.95	-8.1	V	3.0	43.4	1.0	-50.5	-25.0	-25.5	
15557.94	-5.6	V	3.0	44.5	1.0	-49.1	-25.0	-24.1	
5185.98	-14.0	H	3.0	44.6	1.0	-57.6	-25.0	-32.6	
7778.97	2.3	H	3.0	44.5	1.0	-41.3	-25.0	-16.3	
10371.96	-10.2	H	3.0	42.9	1.0	-52.1	-25.0	-27.1	
12964.95	-8.2	H	3.0	43.4	1.0	-50.5	-25.0	-25.5	
15557.94	-5.4	H	3.0	44.5	1.0	-48.9	-25.0	-23.9	
High Ch, 2667.5MHz									
5335.00	-13.9	V	3.0	44.6	1.0	-57.5	-25.0	-32.5	
8002.50	-6.9	V	3.0	44.4	1.0	-50.3	-25.0	-25.3	
10670.00	-9.8	V	3.0	42.9	1.0	-51.7	-25.0	-26.7	
13337.50	-8.2	V	3.0	43.6	1.0	-50.8	-25.0	-25.8	
16005.00	-5.3	V	3.0	44.6	1.0	-48.9	-25.0	-23.9	
5335.00	-13.7	H	3.0	44.6	1.0	-57.3	-25.0	-32.3	
8002.50	-0.2	H	3.0	44.4	1.0	-43.6	-25.0	-18.6	
10670.00	-9.8	H	3.0	42.9	1.0	-51.7	-25.0	-26.7	
13337.50	-8.1	H	3.0	43.6	1.0	-50.6	-25.0	-25.6	
16005.00	-5.4	H	3.0	44.6	1.0	-49.0	-25.0	-24.0	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4791615583							
Date:		2025-02-20							
Test Engineer:		26087							
Configuration:		EUT / AC Adapter, Y-Position							
Location:		Chamber 1							
Mode:		5G NR n41(SRS) Harmonics, 100MHz Bandwidth							
Test Voltage:		AC 120 V, 60 Hz							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 2546.01MHz									
5092.02	-18.2	V	3.0	44.6	1.0	-61.8	-25.0	-36.8	
7638.03	-15.9	V	3.0	44.6	1.0	-59.5	-25.0	-34.5	
10184.04	-13.4	V	3.0	42.9	1.0	-55.3	-25.0	-30.3	
12730.05	-10.7	V	3.0	43.3	1.0	-52.9	-25.0	-27.9	
15276.06	-8.6	V	3.0	44.5	1.0	-52.0	-25.0	-27.0	
5092.02	-18.3	H	3.0	44.6	1.0	-61.9	-25.0	-36.9	
7638.03	-16.0	H	3.0	44.6	1.0	-59.6	-25.0	-34.6	
10184.04	-13.5	H	3.0	42.9	1.0	-55.4	-25.0	-30.4	
12730.05	-10.6	H	3.0	43.3	1.0	-52.9	-25.0	-27.9	
15276.06	-8.6	H	3.0	44.5	1.0	-52.0	-25.0	-27.0	
Mid Ch, 2592.99MHz									
5185.98	-18.1	V	3.0	44.6	1.0	-61.7	-25.0	-36.7	
7778.97	-16.1	V	3.0	44.5	1.0	-59.6	-25.0	-34.6	
10371.96	-13.5	V	3.0	42.9	1.0	-55.4	-25.0	-30.4	
5185.98	-18.3	H	3.0	44.6	1.0	-61.8	-25.0	-36.8	
7778.97	-16.1	H	3.0	44.5	1.0	-59.6	-25.0	-34.6	
10371.96	-13.4	H	3.0	42.9	1.0	-55.3	-25.0	-30.3	
High Ch, 2640MHz									
5280.00	-17.8	V	3.0	44.6	1.0	-61.4	-25.0	-36.4	
7920.00	-15.6	V	3.0	44.4	1.0	-59.1	-25.0	-34.1	
10560.00	-13.7	V	3.0	42.9	1.0	-55.6	-25.0	-30.6	
5280.00	-18.1	H	3.0	44.6	1.0	-61.7	-25.0	-36.7	
7920.00	-15.7	H	3.0	44.4	1.0	-59.1	-25.0	-34.1	
10560.00	-13.6	H	3.0	42.9	1.0	-55.5	-25.0	-30.5	

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NR Band n41 (PC2) DFT-s OFDM

50 MHz QPSK ANT F	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791615583									
	Date: 2025-02-12									
	Test Engineer: 28775									
	Configuration: EUT / AC Adapter, Z-Position									
	Location: Chamber 1									
	Mode: 5G NR_QPSK NR n41 Harmonics, 50MHz Bandwidth									
	Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2521.01MHz									
	5042.02	-15.1	V	3.0	44.6	1.0	-58.6	-25.0	-33.6	
	7563.03	-12.6	V	3.0	44.7	1.0	-56.3	-25.0	-31.3	
	10084.04	-10.5	V	3.0	42.9	1.0	-52.4	-25.0	-27.4	
	5042.02	-13.7	H	3.0	44.6	1.0	-57.2	-25.0	-32.2	
	7563.03	-12.3	H	3.0	44.7	1.0	-56.0	-25.0	-31.0	
	10084.04	-10.6	H	3.0	42.9	1.0	-52.5	-25.0	-27.5	
	Mid Ch, 2592.99MHz									
	5185.98	-14.4	V	3.0	44.6	1.0	-58.0	-25.0	-33.0	
	7778.97	-12.3	V	3.0	44.5	1.0	-55.8	-25.0	-30.8	
	10371.96	-10.4	V	3.0	42.9	1.0	-52.3	-25.0	-27.3	
	5185.98	-13.6	H	3.0	44.6	1.0	-57.2	-25.0	-32.2	
	7778.97	-12.5	H	3.0	44.5	1.0	-56.0	-25.0	-31.0	
	10371.96	-10.3	H	3.0	42.9	1.0	-52.2	-25.0	-27.2	
High Ch, 2665MHz										
5330.00	-13.6	V	3.0	44.6	1.0	-57.2	-25.0	-32.2		
7995.00	-12.0	V	3.0	44.4	1.0	-55.4	-25.0	-30.4		
10660.00	-10.1	V	3.0	42.9	1.0	-52.0	-25.0	-27.0		
5330.00	-14.9	H	3.0	44.6	1.0	-58.5	-25.0	-33.5		
7995.00	-12.4	H	3.0	44.4	1.0	-55.8	-25.0	-30.8		
10660.00	-10.0	H	3.0	42.9	1.0	-51.9	-25.0	-26.9		
80 MHz SRS2 ANT B	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791615583									
	Date: 2025-02-13									
	Test Engineer: 26460									
	Configuration: EUT / Z-Position									
	Location: Chamber 1									
	Mode: 5G NR n41(SRS) Harmonics, 80MHz Bandwidth									
	Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2536.02MHz									
	5072.04	-16.5	V	3.0	44.6	1.0	-60.1	-25.0	-35.1	
	7608.06	-13.2	V	3.0	44.7	1.0	-56.9	-25.0	-31.9	
	10144.08	-12.4	V	3.0	42.9	1.0	-54.3	-25.0	-29.3	
	5072.04	-15.7	H	3.0	44.6	1.0	-59.3	-25.0	-34.3	
	7608.06	-5.0	H	3.0	44.7	1.0	-48.7	-25.0	-23.7	
	10144.08	-10.6	H	3.0	42.9	1.0	-52.5	-25.0	-27.5	
	Mid Ch, 2592.99MHz									
	5185.98	-17.2	V	3.0	44.6	1.0	-60.8	-25.0	-35.8	
	7778.97	-12.5	V	3.0	44.5	1.0	-56.0	-25.0	-31.0	
	10371.96	-13.0	V	3.0	42.9	1.0	-54.9	-25.0	-29.9	
	5185.98	-16.7	H	3.0	44.6	1.0	-60.3	-25.0	-35.3	
	7778.97	-10.9	H	3.0	44.5	1.0	-54.4	-25.0	-29.4	
	10371.96	-12.5	H	3.0	42.9	1.0	-54.4	-25.0	-29.4	
High Ch, 2649.99MHz										
5299.98	-17.0	V	3.0	44.6	1.0	-60.6	-25.0	-35.6		
7949.97	-14.0	V	3.0	44.4	1.0	-57.5	-25.0	-32.5		
10599.96	-12.8	V	3.0	42.9	1.0	-54.7	-25.0	-29.7		
5299.98	-16.4	H	3.0	44.6	1.0	-60.0	-25.0	-35.0		
7949.97	-12.1	H	3.0	44.4	1.0	-55.5	-25.0	-30.5		
10599.96	-11.4	H	3.0	42.9	1.0	-53.3	-25.0	-28.3		

45 MHz SRS3 ANT E	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791615583									
	Date: 2025-02-14									
	Test Engineer: 28183									
	Configuration: EUT / AC Adapter, Z-Position									
	Location: Chamber 2									
	Mode: 5G NR n41(SRS) Harmonics, 45MHz Bandwidth									
	Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2516.5MHz									
	5037.00	-16.9	V	3.0	43.3	1.0	-59.2	-25.0	-34.2	
	7555.50	-16.6	V	3.0	42.9	1.0	-58.5	-25.0	-33.5	
	10074.00	-13.6	V	3.0	41.5	1.0	-54.1	-25.0	-29.1	
	5037.00	-17.8	H	3.0	43.3	1.0	-60.1	-25.0	-35.1	
	7555.50	-17.1	H	3.0	42.9	1.0	-59.0	-25.0	-34.0	
	10074.00	-12.8	H	3.0	41.5	1.0	-53.3	-25.0	-28.3	
	Mid Ch, 2592.99MHz									
	5185.98	-17.4	V	3.0	43.3	1.0	-59.7	-25.0	-34.7	
	7778.97	-17.2	V	3.0	42.8	1.0	-59.0	-25.0	-34.0	
	10371.96	-13.8	V	3.0	41.3	1.0	-54.1	-25.0	-29.1	
	5185.98	-17.8	H	3.0	43.3	1.0	-60.1	-25.0	-35.1	
	7778.97	-17.2	H	3.0	42.8	1.0	-59.0	-25.0	-34.0	
	10371.96	-13.6	H	3.0	41.3	1.0	-53.8	-25.0	-28.8	
	High Ch, 2667.48MHz									
5334.96	-16.3	V	3.0	43.3	1.0	-58.6	-25.0	-33.6		
8002.44	-15.9	V	3.0	42.6	1.0	-57.6	-25.0	-32.6		
10669.92	-13.1	V	3.0	41.0	1.0	-53.1	-25.0	-28.1		
5334.96	-14.8	H	3.0	43.3	1.0	-57.2	-25.0	-32.2		
8002.44	-10.2	H	3.0	42.6	1.0	-51.9	-25.0	-26.9		
10669.92	-13.0	H	3.0	41.0	1.0	-53.0	-25.0	-28.0		
80 MHz SRS4 ANT K	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791615583									
	Date: 2025-02-15									
	Test Engineer: 26087									
	Configuration: EUT / AC Adapter, X-Position									
	Location: Chamber 1									
	Mode: 5G NR n41(SRS) Harmonics, 80MHz Bandwidth									
	Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2536.01MHz									
	5072.02	-17.7	V	3.0	44.6	1.0	-61.3	-25.0	-36.3	
	7608.03	-15.3	V	3.0	44.7	1.0	-58.9	-25.0	-33.9	
	10144.04	-10.8	V	3.0	42.9	1.0	-52.7	-25.0	-27.7	
	5072.02	-17.9	H	3.0	44.6	1.0	-61.5	-25.0	-36.5	
	7608.03	-15.3	H	3.0	44.7	1.0	-58.9	-25.0	-33.9	
	10144.04	-12.7	H	3.0	42.9	1.0	-54.6	-25.0	-29.6	
	Mid Ch, 2592.99MHz									
	5185.98	-17.5	V	3.0	44.6	1.0	-61.0	-25.0	-36.0	
	7778.97	-15.4	V	3.0	44.5	1.0	-59.0	-25.0	-34.0	
	10371.96	-12.8	V	3.0	42.9	1.0	-54.7	-25.0	-29.7	
	5185.98	-17.7	H	3.0	44.6	1.0	-61.3	-25.0	-36.3	
	7778.97	-15.5	H	3.0	44.5	1.0	-59.1	-25.0	-34.1	
	10371.96	-13.2	H	3.0	42.9	1.0	-55.1	-25.0	-30.1	
	High Ch, 2650MHz									
5300.00	-16.7	V	3.0	44.6	1.0	-60.3	-25.0	-35.3		
7950.00	-15.5	V	3.0	44.4	1.0	-58.9	-25.0	-33.9		
10600.00	-12.5	V	3.0	42.9	1.0	-54.3	-25.0	-29.3		
5300.00	-17.2	H	3.0	44.6	1.0	-60.8	-25.0	-35.8		
7950.00	-15.6	H	3.0	44.4	1.0	-59.0	-25.0	-34.0		
10600.00	-12.8	H	3.0	42.9	1.0	-54.6	-25.0	-29.6		

35 MHz BPSK ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791615583									
	Date: 2025-02-09									
	Test Engineer: 26087									
	Configuration: EUT / AC Adapter, X-Position									
	Location: Chamber 1									
	Mode: 5G NR_BPSK NR n66 Harmonics, 35MHz Bandwidth									
	Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 1727.5MHz									
	3455.00	-8.2	V	3.0	43.9	1.0	-51.2	-13.0	-38.2	
	5182.50	-6.7	V	3.0	44.6	1.0	-50.3	-13.0	-37.3	
	6910.00	-4.0	V	3.0	45.1	1.0	-48.1	-13.0	-35.1	
	3455.00	-8.3	H	3.0	43.9	1.0	-51.2	-13.0	-38.2	
	5182.50	-6.8	H	3.0	44.6	1.0	-50.4	-13.0	-37.4	
	6910.00	-4.0	H	3.0	45.1	1.0	-48.0	-13.0	-35.0	
	Mid Ch, 1745MHz									
	3490.00	-8.1	V	3.0	44.0	1.0	-51.1	-13.0	-38.1	
	5235.00	-6.7	V	3.0	44.6	1.0	-50.3	-13.0	-37.3	
	6980.00	-3.8	V	3.0	45.1	1.0	-47.9	-13.0	-34.9	
	3490.00	-8.0	H	3.0	44.0	1.0	-51.0	-13.0	-38.0	
	5235.00	-6.8	H	3.0	44.6	1.0	-50.4	-13.0	-37.4	
	6980.00	-3.6	H	3.0	45.1	1.0	-47.7	-13.0	-34.7	
High Ch, 1762.5MHz										
3525.00	-7.9	V	3.0	44.0	1.0	-50.9	-13.0	-37.9		
5287.50	-6.6	V	3.0	44.6	1.0	-50.2	-13.0	-37.2		
7050.00	-3.9	V	3.0	45.1	1.0	-47.9	-13.0	-34.9		
3525.00	-7.9	H	3.0	44.0	1.0	-50.9	-13.0	-37.9		
5287.50	-6.7	H	3.0	44.6	1.0	-50.3	-13.0	-37.3		
7050.00	-3.6	H	3.0	45.1	1.0	-47.6	-13.0	-34.6		
40 MHz QPSK ANT F	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791615583									
	Date: 2025-02-10									
	Test Engineer: 28775									
	Configuration: EUT / AC Adapter, X-Position									
	Location: Chamber 1									
	Mode: 5G NR_QPSK NR n66 Harmonics, 40MHz Bandwidth									
	Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 1730MHz									
	3460.00	-8.6	V	3.0	44.0	1.0	-51.5	-13.0	-38.5	
	5190.00	-7.4	V	3.0	44.6	1.0	-50.9	-13.0	-37.9	
	6920.00	-4.3	V	3.0	45.1	1.0	-48.3	-13.0	-35.3	
	3460.00	-8.6	H	3.0	44.0	1.0	-51.5	-13.0	-38.5	
	5190.00	-7.4	H	3.0	44.6	1.0	-51.0	-13.0	-38.0	
	6920.00	-3.9	H	3.0	45.1	1.0	-47.9	-13.0	-34.9	
	Mid Ch, 1745MHz									
	3490.00	-8.4	V	3.0	44.0	1.0	-51.4	-13.0	-38.4	
	5235.00	-7.2	V	3.0	44.6	1.0	-50.8	-13.0	-37.8	
	6980.00	-4.3	V	3.0	45.1	1.0	-48.4	-13.0	-35.4	
	3490.00	-8.4	H	3.0	44.0	1.0	-51.4	-13.0	-38.4	
	5235.00	-7.2	H	3.0	44.6	1.0	-50.8	-13.0	-37.8	
	6980.00	-3.7	H	3.0	45.1	1.0	-47.8	-13.0	-34.8	
High Ch, 1760MHz										
3520.00	-8.3	V	3.0	44.0	1.0	-51.3	-13.0	-38.3		
5280.00	-7.0	V	3.0	44.6	1.0	-50.6	-13.0	-37.6		
7040.00	-4.1	V	3.0	45.1	1.0	-48.2	-13.0	-35.2		
3520.00	-8.3	H	3.0	44.0	1.0	-51.3	-13.0	-38.3		
5280.00	-7.0	H	3.0	44.6	1.0	-50.6	-13.0	-37.6		
7040.00	-3.4	H	3.0	45.1	1.0	-47.5	-13.0	-34.5		

NR Band n70 DFT-s OFDM

10 MHz BPSK ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791615583 Date: 2025-02-09 Test Engineer: 26087 Configuration: EUT / AC Adapter, X-Position Location: Chamber 1 Mode: 5G NR_BPSK NR n70 Harmonics, 10MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 1700MHz									
	3400.00	-8.2	V	3.0	43.9	1.0	-51.1	-13.0	-38.1	
	5100.00	-6.6	V	3.0	44.6	1.0	-50.2	-13.0	-37.2	
	6800.00	-4.3	V	3.0	45.0	1.0	-48.3	-13.0	-35.3	
	3400.00	-8.3	H	3.0	43.9	1.0	-51.1	-13.0	-38.1	
	5100.00	-6.3	H	3.0	44.6	1.0	-49.9	-13.0	-36.9	
	6800.00	-4.1	H	3.0	45.0	1.0	-48.1	-13.0	-35.1	
	Mid Ch, 1702.5MHz									
	3405.00	-8.3	V	3.0	43.9	1.0	-51.2	-13.0	-38.2	
	5107.50	-5.9	V	3.0	44.6	1.0	-49.5	-13.0	-36.5	
	6810.00	-4.3	V	3.0	45.0	1.0	-48.3	-13.0	-35.3	
	3405.00	-8.3	H	3.0	43.9	1.0	-51.2	-13.0	-38.2	
	5107.50	-6.1	H	3.0	44.6	1.0	-49.7	-13.0	-36.7	
	6810.00	-4.2	H	3.0	45.0	1.0	-48.2	-13.0	-35.2	
	High Ch, 1705MHz									
	3410.00	-8.3	V	3.0	43.9	1.0	-51.2	-13.0	-38.2	
	5115.00	-6.6	V	3.0	44.6	1.0	-50.1	-13.0	-37.1	
	6820.00	-4.2	V	3.0	45.0	1.0	-48.2	-13.0	-35.2	
	3410.00	-8.2	H	3.0	43.9	1.0	-51.1	-13.0	-38.1	
	5115.00	-6.4	H	3.0	44.6	1.0	-49.9	-13.0	-36.9	
	6820.00	-4.1	H	3.0	45.0	1.0	-48.1	-13.0	-35.1	
5 MHz QPSK ANT F	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791615583 Date: 2025-02-13 Test Engineer: 28775 Configuration: EUT / AC Adapter, X-Position Location: Chamber 1 Mode: 5G NR_QPSK NR n70 Harmonics, 5MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 1697.5MHz									
	3395.00	-8.6	V	3.0	43.9	1.0	-51.5	-13.0	-38.5	
	5092.50	-7.1	V	3.0	44.6	1.0	-50.7	-13.0	-37.7	
	6790.00	-4.6	V	3.0	45.0	1.0	-48.6	-13.0	-35.6	
	3395.00	-8.7	H	3.0	43.9	1.0	-51.5	-13.0	-38.5	
	5092.50	-7.2	H	3.0	44.6	1.0	-50.8	-13.0	-37.8	
	6790.00	-4.5	H	3.0	45.0	1.0	-48.5	-13.0	-35.5	
	Mid Ch, 1702.5MHz									
	3405.00	-8.6	V	3.0	43.9	1.0	-51.4	-13.0	-38.4	
	5107.50	-7.1	V	3.0	44.6	1.0	-50.6	-13.0	-37.6	
	6810.00	-4.5	V	3.0	45.0	1.0	-48.5	-13.0	-35.5	
	3405.00	-8.7	H	3.0	43.9	1.0	-51.6	-13.0	-38.6	
	5107.50	-7.3	H	3.0	44.6	1.0	-50.8	-13.0	-37.8	
	6810.00	-4.4	H	3.0	45.0	1.0	-48.5	-13.0	-35.5	
	High Ch, 1710MHz									
	3415.00	-8.4	V	3.0	43.9	1.0	-51.3	-13.0	-38.3	
	5122.50	-7.0	V	3.0	44.6	1.0	-50.6	-13.0	-37.6	
	6830.00	-4.4	V	3.0	45.0	1.0	-48.4	-13.0	-35.4	
	3415.00	-8.4	H	3.0	43.9	1.0	-51.3	-13.0	-38.3	
	5122.50	-7.2	H	3.0	44.6	1.0	-50.8	-13.0	-37.8	
	6830.00	-4.3	H	3.0	45.0	1.0	-48.3	-13.0	-35.3	

NR Band n71 DFT-s OFDM

5 MHz QPSK ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791615583 Date: 2025-02-07 Test Engineer: 26087 Configuration: EUT / AC Adpater, X-Position Location: Chamber 1 Mode: 5G NR_QPSK NR n71 Harmonics, 5MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 665.5MHz									
	1331.00	-16.8	V	3.0	42.9	1.0	-58.7	-13.0	-45.7	
	1996.50	-14.4	V	3.0	44.1	1.0	-57.5	-13.0	-44.5	
	2662.00	-12.2	V	3.0	43.6	1.0	-54.8	-13.0	-41.8	
	1331.00	-17.3	H	3.0	42.9	1.0	-59.1	-13.0	-46.1	
	1996.50	-13.9	H	3.0	44.1	1.0	-57.1	-13.0	-44.1	
	2662.00	-12.5	H	3.0	43.6	1.0	-55.1	-13.0	-42.1	
	Mid Ch, 680.5MHz									
	1361.00	-16.0	V	3.0	42.9	1.0	-57.9	-13.0	-44.9	
	2041.50	-14.0	V	3.0	44.1	1.0	-57.1	-13.0	-44.1	
	2722.00	-12.0	V	3.0	43.6	1.0	-54.6	-13.0	-41.6	
	1361.00	-16.7	H	3.0	42.9	1.0	-58.7	-13.0	-45.7	
	2041.50	-13.4	H	3.0	44.1	1.0	-56.5	-13.0	-43.5	
	2722.00	-12.3	H	3.0	43.6	1.0	-54.9	-13.0	-41.9	
	High Ch, 695.5MHz									
	1391.00	-16.7	V	3.0	43.0	1.0	-58.6	-13.0	-45.6	
	2086.50	-13.9	V	3.0	44.1	1.0	-57.0	-13.0	-44.0	
	2782.00	-11.9	V	3.0	43.5	1.0	-54.4	-13.0	-41.4	
	1391.00	-17.5	H	3.0	43.0	1.0	-59.5	-13.0	-46.5	
	2086.50	-13.6	H	3.0	44.1	1.0	-56.6	-13.0	-43.6	
	2782.00	-12.1	H	3.0	43.5	1.0	-54.6	-13.0	-41.6	
30 MHz QPSK ANT E	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791615583 Date: 2025-02-14 Test Engineer: 28775 Configuration: EUT / AC Adapter, Z-Position Location: Chamber 1 Mode: 5G NR_QPSK NR n71 Harmonics, 30MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 678MHz									
	1356.00	-15.4	V	3.0	42.9	1.0	-57.3	-13.0	-44.3	
	2034.00	-14.2	V	3.0	44.1	1.0	-57.3	-13.0	-44.3	
	2712.00	-11.8	V	3.0	43.6	1.0	-54.4	-13.0	-41.4	
	1356.00	-17.5	H	3.0	42.9	1.0	-59.4	-13.0	-46.4	
	2034.00	-14.9	H	3.0	44.1	1.0	-58.0	-13.0	-45.0	
	2712.00	-12.1	H	3.0	43.6	1.0	-54.7	-13.0	-41.7	
	Mid Ch, 680.5MHz									
	1361.00	-16.4	V	3.0	42.9	1.0	-58.4	-13.0	-45.4	
	2041.50	-14.1	V	3.0	44.1	1.0	-57.2	-13.0	-44.2	
	2722.00	-11.4	V	3.0	43.6	1.0	-54.0	-13.0	-41.0	
	1361.00	-17.9	H	3.0	42.9	1.0	-59.8	-13.0	-46.8	
	2041.50	-14.8	H	3.0	44.1	1.0	-57.9	-13.0	-44.9	
	2722.00	-11.8	H	3.0	43.6	1.0	-54.4	-13.0	-41.4	
	High Ch, 683MHz									
	1366.00	-16.3	V	3.0	42.9	1.0	-58.2	-13.0	-45.2	
	2049.00	-14.0	V	3.0	44.1	1.0	-57.1	-13.0	-44.1	
	2732.00	-11.5	V	3.0	43.6	1.0	-54.0	-13.0	-41.0	
	1366.00	-17.9	H	3.0	42.9	1.0	-59.9	-13.0	-46.9	
	2049.00	-14.8	H	3.0	44.1	1.0	-57.9	-13.0	-44.9	
	2732.00	-11.8	H	3.0	43.6	1.0	-54.3	-13.0	-41.3	

NR Band n77 (PC2, 3450-3550 MHz) DFT-s OFDM

90 MHz QPSK ANT F	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791615583 Date: 2025-02-13 Test Engineer: 28775 Configuration: EUT / AC Adapter, X-Position Location: Chamber 1 Mode: 5G NR_QPSK NR n77 IC LO Harmonics, 90MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 3495MHz									
	6990.00	-1.1	V	3.0	45.1	1.0	-45.2	-13.0	-32.2	
	10485.00	2.8	V	3.0	42.9	1.0	-39.1	-13.0	-26.1	
	13980.00	6.3	V	3.0	43.9	1.0	-36.6	-13.0	-23.6	
	6990.00	-1.3	H	3.0	45.1	1.0	-45.4	-13.0	-32.4	
	10485.00	2.8	H	3.0	42.9	1.0	-39.1	-13.0	-26.1	
	13980.00	6.4	H	3.0	43.9	1.0	-36.4	-13.0	-23.4	
	Mid Ch, 3499.98MHz									
	7350.00	-1.0	V	3.0	44.9	1.0	-44.9	-13.0	-31.9	
	11025.00	3.2	V	3.0	42.9	1.0	-38.7	-13.0	-25.7	
	14700.00	7.0	V	3.0	44.2	1.0	-36.2	-13.0	-23.2	
	7350.00	-1.1	H	3.0	44.9	1.0	-44.9	-13.0	-31.9	
	11025.00	3.4	H	3.0	42.9	1.0	-38.5	-13.0	-25.5	
	14700.00	7.0	H	3.0	44.2	1.0	-36.2	-13.0	-23.2	
	High Ch, 3504.99MHz									
	7009.98	-1.4	V	3.0	45.1	1.0	-45.5	-13.0	-32.5	
	10514.97	2.6	V	3.0	42.9	1.0	-39.3	-13.0	-26.3	
	14019.96	6.4	V	3.0	43.9	1.0	-36.5	-13.0	-23.5	
	7009.98	-1.2	H	3.0	45.1	1.0	-45.3	-13.0	-32.3	
	10514.97	2.6	H	3.0	42.9	1.0	-39.3	-13.0	-26.3	
	14019.96	6.8	H	3.0	43.9	1.0	-36.2	-13.0	-23.2	
	100 MHz SRS2 ANT C	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791615583 Date: 2025-02-12 Test Engineer: 26460 Configuration: EUT / AC Adapter, X-Position Location: Chamber 1 Mode: 5G NR n77 LO(SRS) Harmonics, 100MHz Bandwidth Test Votage: AC 120 V, 60 Hz								
f MHz		SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Mid Ch, 3499.98MHz										
6999.96		-4.3	V	3.0	45.1	1.0	-48.4	-13.0	-35.4	
10499.94		0.4	V	3.0	42.9	1.0	-41.5	-13.0	-28.5	
13999.92		3.9	V	3.0	43.9	1.0	-39.0	-13.0	-26.0	
6999.96		-4.1	H	3.0	45.1	1.0	-48.2	-13.0	-35.2	
10499.94		0.6	H	3.0	42.9	1.0	-41.3	-13.0	-28.3	
13999.92		3.9	H	3.0	43.9	1.0	-39.0	-13.0	-26.0	

100 MHz

SRS3

ANT H

UL Verification Services, Inc.

Above 1GHz High Frequency Substitution Measurement

Company: Samsung

Project #: 4791615583

Date: 2025-02-12

Test Engineer: 26460

Configuration: EUT / AC Adapter, Z-Position

Location: Chamber 1

Mode: 5G NR n77 LO(SRS) Harmonics, 100MHz Bandwidth

Test Votage: AC 120 V, 60 Hz

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Mid Ch, 3499.98MHz									
6999.96	-4.1	V	3.0	45.1	1.0	-48.2	-13.0	-35.2	
10499.94	0.6	V	3.0	42.9	1.0	-41.3	-13.0	-28.3	
13999.92	3.7	V	3.0	43.9	1.0	-39.2	-13.0	-26.2	
6999.96	-3.9	H	3.0	45.1	1.0	-48.1	-13.0	-35.1	
10499.94	0.6	H	3.0	42.9	1.0	-41.3	-13.0	-28.3	
13999.92	3.7	H	3.0	43.9	1.0	-39.2	-13.0	-26.2	

100 MHz

SRS4

ANT K

UL Verification Services, Inc.

Above 1GHz High Frequency Substitution Measurement

Company: Samsung

Project #: 4791615583

Date: 2025-02-12

Test Engineer: 26460

Configuration: EUT / AC Adapter, Z-Position

Location: Chamber 1

Mode: 5G NR n77 LO(SRS) Harmonics, 100MHz Bandwidth

Test Votage: AC 120 V, 60 Hz

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Mid Ch, 3499.98MHz									
6999.96	-4.0	V	3.0	45.1	1.0	-48.1	-13.0	-35.1	
10499.94	0.6	V	3.0	42.9	1.0	-41.3	-13.0	-28.3	
13999.92	3.5	V	3.0	43.9	1.0	-39.4	-13.0	-26.4	
6999.96	-3.9	H	3.0	45.1	1.0	-48.0	-13.0	-35.0	
10499.94	0.6	H	3.0	42.9	1.0	-41.3	-13.0	-28.3	
13999.92	3.7	H	3.0	43.9	1.0	-39.2	-13.0	-26.2	

NR Band n77 (PC2, 3700-3980 MHz) DFT-s OFDM

50 MHz QPSK ANT F	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791615583 Date: 2025-02-13 Test Engineer: 28775 Configuration: EUT / AC Adapter, Z-Position Location: Chamber 1 Mode: 5G NR_QPSK NR n77 UP Harmonics, 50MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 3725MHz									
	7450.00	-1.4	V	3.0	44.8	1.0	-45.1	-13.0	-32.1	
	11175.00	3.8	V	3.0	42.9	1.0	-38.1	-13.0	-25.1	
	14900.00	7.6	V	3.0	44.3	1.0	-35.7	-13.0	-22.7	
	7450.00	-1.3	H	3.0	44.8	1.0	-45.1	-13.0	-32.1	
	11175.00	3.7	H	3.0	42.9	1.0	-38.2	-13.0	-25.2	
	14900.00	7.6	H	3.0	44.3	1.0	-35.8	-13.0	-22.8	
	Mid Ch, 3840MHz									
	7680.00	-1.1	V	3.0	44.6	1.0	-44.7	-13.0	-31.7	
	11520.00	4.1	V	3.0	42.9	1.0	-37.8	-13.0	-24.8	
	15360.00	7.9	V	3.0	44.5	1.0	-35.5	-13.0	-22.5	
	7680.00	-1.1	H	3.0	44.6	1.0	-44.8	-13.0	-31.8	
	11520.00	4.4	H	3.0	42.9	1.0	-37.5	-13.0	-24.5	
	15360.00	8.1	H	3.0	44.5	1.0	-35.4	-13.0	-22.4	
	High Ch, 3955MHz									
	7910.00	-0.5	V	3.0	44.4	1.0	-44.0	-13.0	-31.0	
	11865.00	4.4	V	3.0	42.9	1.0	-37.4	-13.0	-24.4	
	23730.00	10.2	V	3.0	36.8	1.0	-25.6	-13.0	-12.6	
	7910.00	-0.9	H	3.0	44.4	1.0	-44.3	-13.0	-31.3	
	11865.00	4.6	H	3.0	42.9	1.0	-37.2	-13.0	-24.2	
	15820.00	8.4	H	3.0	44.6	1.0	-35.1	-13.0	-22.1	
100 MHz SRS2 ANT C	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791615583 Date: 2025-02-17 Test Engineer: 28183 Configuration: EUT / AC Adapter, X-Position Location: Chamber 1 Mode: 5G NR n77 UP(SRS) Harmonics, 100MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 3750MHz									
	7500.00	-4.1	V	3.0	44.7	1.0	-47.8	-13.0	-34.8	
	11250.00	1.0	V	3.0	42.9	1.0	-40.9	-13.0	-27.9	
	15000.00	5.2	V	3.0	44.4	1.0	-38.2	-13.0	-25.2	
	7500.00	-4.0	H	3.0	44.7	1.0	-47.8	-13.0	-34.8	
	11250.00	1.0	H	3.0	42.9	1.0	-40.8	-13.0	-27.8	
	15000.00	5.1	H	3.0	44.4	1.0	-38.3	-13.0	-25.3	
	Mid Ch, 3840MHz									
	7680.00	-4.0	V	3.0	44.6	1.0	-47.6	-13.0	-34.6	
	11520.00	1.0	V	3.0	42.9	1.0	-40.9	-13.0	-27.9	
	15360.00	5.4	V	3.0	44.5	1.0	-38.0	-13.0	-25.0	
	7680.00	-4.0	H	3.0	44.6	1.0	-47.6	-13.0	-34.6	
	11520.00	1.0	H	3.0	42.9	1.0	-40.9	-13.0	-27.9	
	15360.00	5.5	H	3.0	44.5	1.0	-38.0	-13.0	-25.0	
	High Ch, 3930MHz									
	7860.00	-3.7	V	3.0	44.5	1.0	-47.2	-13.0	-34.2	
	11790.00	1.2	V	3.0	42.9	1.0	-40.7	-13.0	-27.7	
	15720.00	5.6	V	3.0	44.5	1.0	-37.9	-13.0	-24.9	
	7860.00	-3.9	H	3.0	44.5	1.0	-47.4	-13.0	-34.4	
	11790.00	1.5	H	3.0	42.9	1.0	-40.4	-13.0	-27.4	
	15720.00	5.6	H	3.0	44.5	1.0	-37.9	-13.0	-24.9	

100 MHz SRS3 ANT H	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791615583									
	Date: 2025-02-17									
	Test Engineer: 28183									
	Configuration: EUT / AC Adapter, Y-Position									
	Location: Chamber 1									
	Mode: 5G NR n77 UP(SRS) Harmonics, 100MHz Bandwidth									
	Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 3750MHz									
	7500.00	-4.0	V	3.0	44.7	1.0	-47.8	-13.0	-34.8	
	11250.00	0.8	V	3.0	42.9	1.0	-41.1	-13.0	-28.1	
	15000.00	5.1	V	3.0	44.4	1.0	-38.3	-13.0	-25.3	
	7500.00	-4.0	H	3.0	44.7	1.0	-47.8	-13.0	-34.8	
	11250.00	1.2	H	3.0	42.9	1.0	-40.7	-13.0	-27.7	
	15000.00	4.9	H	3.0	44.4	1.0	-38.5	-13.0	-25.5	
	Mid Ch, 3840MHz									
	7680.00	-4.1	V	3.0	44.6	1.0	-47.7	-13.0	-34.7	
	11520.00	1.2	V	3.0	42.9	1.0	-40.7	-13.0	-27.7	
	15360.00	5.5	V	3.0	44.5	1.0	-37.9	-13.0	-24.9	
	7680.00	-4.1	H	3.0	44.6	1.0	-47.7	-13.0	-34.7	
	11520.00	1.4	H	3.0	42.9	1.0	-40.5	-13.0	-27.5	
	15360.00	5.5	H	3.0	44.5	1.0	-38.0	-13.0	-25.0	
	High Ch, 3930MHz									
	7860.00	-3.9	V	3.0	44.5	1.0	-47.4	-13.0	-34.4	
11790.00	1.2	V	3.0	42.9	1.0	-40.7	-13.0	-27.7		
15720.00	5.6	V	3.0	44.5	1.0	-37.9	-13.0	-24.9		
7860.00	-3.9	H	3.0	44.5	1.0	-47.4	-13.0	-34.4		
11790.00	1.4	H	3.0	42.9	1.0	-40.5	-13.0	-27.5		
15720.00	5.5	H	3.0	44.5	1.0	-38.0	-13.0	-25.0		
100 MHz SRS4 ANT K	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791615583									
	Date: 2025-02-17									
	Test Engineer: 28183									
	Configuration: EUT / AC Adapter, Y-Position									
	Location: Chamber 1									
	Mode: 5G NR n77 UP(SRS) Harmonics, 100MHz Bandwidth									
	Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 3750MHz									
	7500.00	-3.8	V	3.0	44.7	1.0	-47.5	-13.0	-34.5	
	11250.00	1.2	V	3.0	42.9	1.0	-40.7	-13.0	-27.7	
	15000.00	5.1	V	3.0	44.4	1.0	-38.3	-13.0	-25.3	
	7500.00	-3.4	H	3.0	44.7	1.0	-47.1	-13.0	-34.1	
	11250.00	1.3	H	3.0	42.9	1.0	-40.6	-13.0	-27.6	
	15000.00	5.0	H	3.0	44.4	1.0	-38.4	-13.0	-25.4	
	Mid Ch, 3840MHz									
	7680.00	-3.8	V	3.0	44.6	1.0	-47.5	-13.0	-34.5	
	11520.00	-0.3	V	3.0	42.9	1.0	-42.2	-13.0	-29.2	
	15360.00	4.2	V	3.0	44.5	1.0	-39.3	-13.0	-26.3	
	7680.00	-3.6	H	3.0	44.6	1.0	-47.2	-13.0	-34.2	
	11520.00	-0.2	H	3.0	42.9	1.0	-42.1	-13.0	-29.1	
	15360.00	4.2	H	3.0	44.5	1.0	-39.3	-13.0	-26.3	
	High Ch, 3930MHz									
	7860.00	-3.5	V	3.0	44.5	1.0	-46.9	-13.0	-33.9	
11790.00	1.5	V	3.0	42.9	1.0	-40.4	-13.0	-27.4		
15720.00	5.9	V	3.0	44.5	1.0	-37.7	-13.0	-24.7		
7860.00	-3.1	H	3.0	44.5	1.0	-46.6	-13.0	-33.6		
11790.00	1.7	H	3.0	42.9	1.0	-40.2	-13.0	-27.2		
15720.00	6.0	H	3.0	44.5	1.0	-37.6	-13.0	-24.6		

END OF REPORT