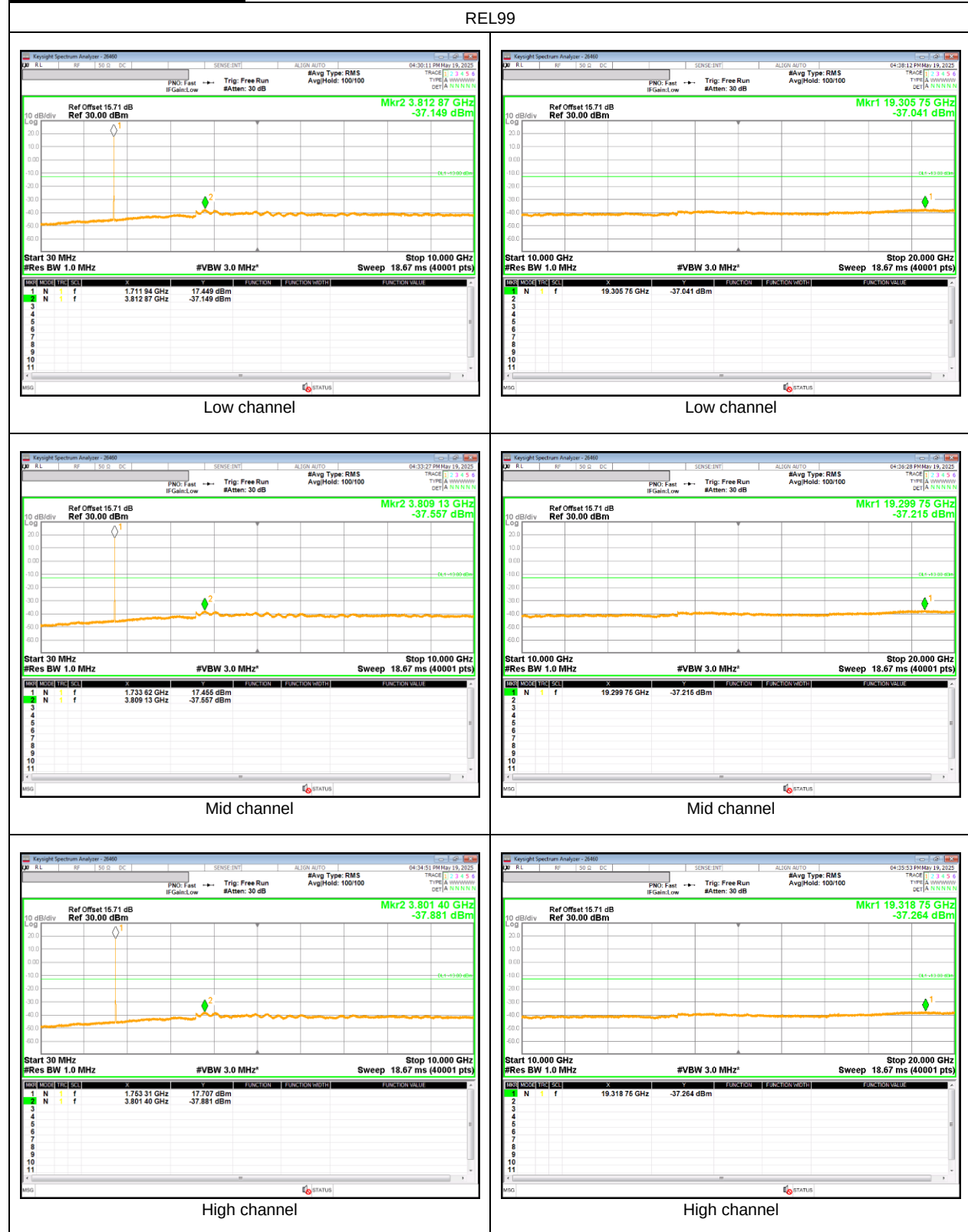


8.5.1. OUT OF BAND EMISSIONS RESULT

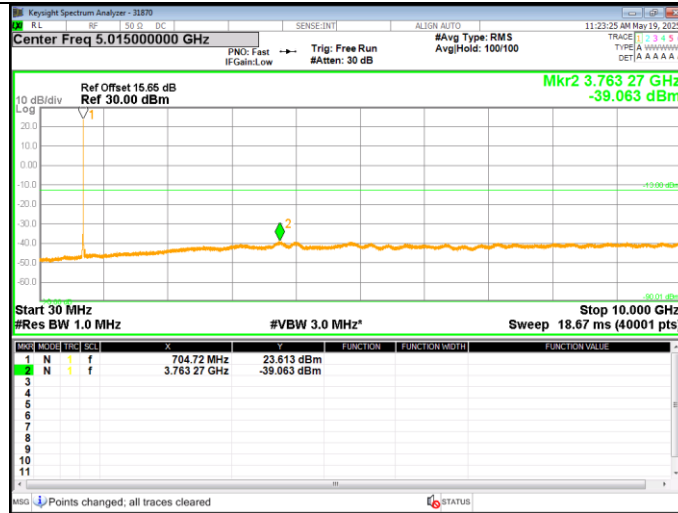
WCDMA Band 4 (ANT A)

REL99

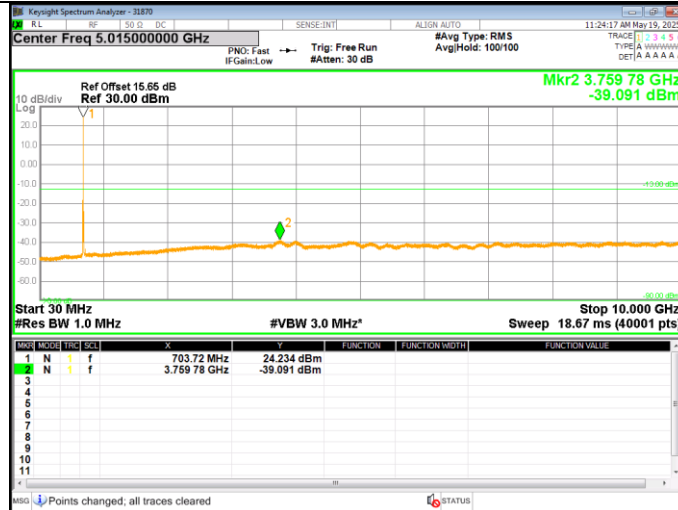


LTE Band 12 (ANT A)

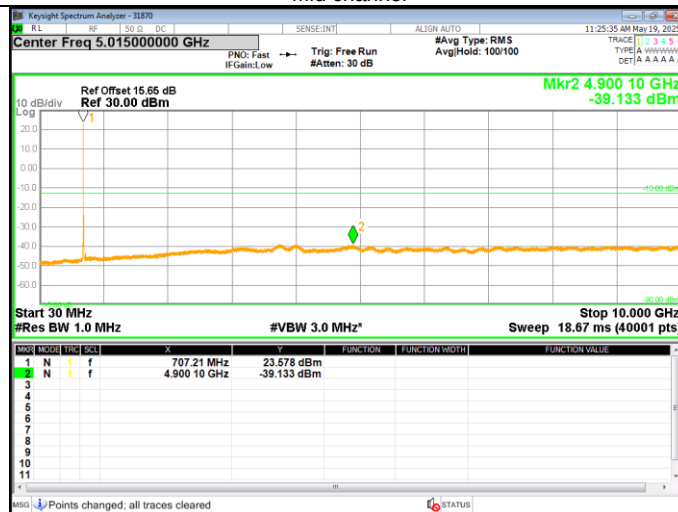
10 MHz QPSK



Low channel



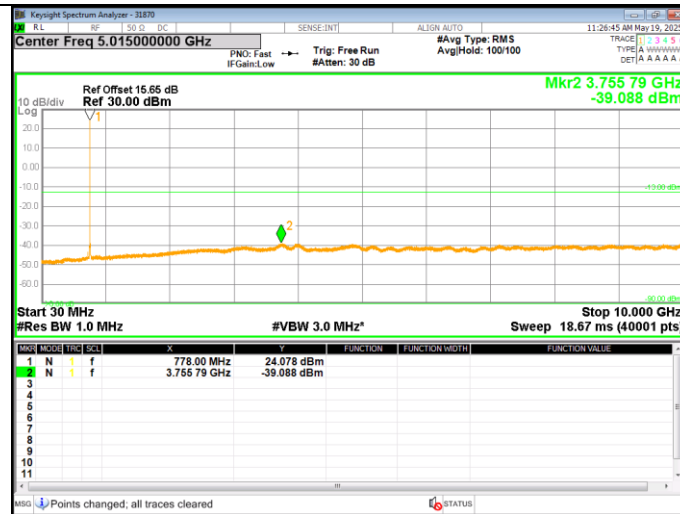
Mid channel



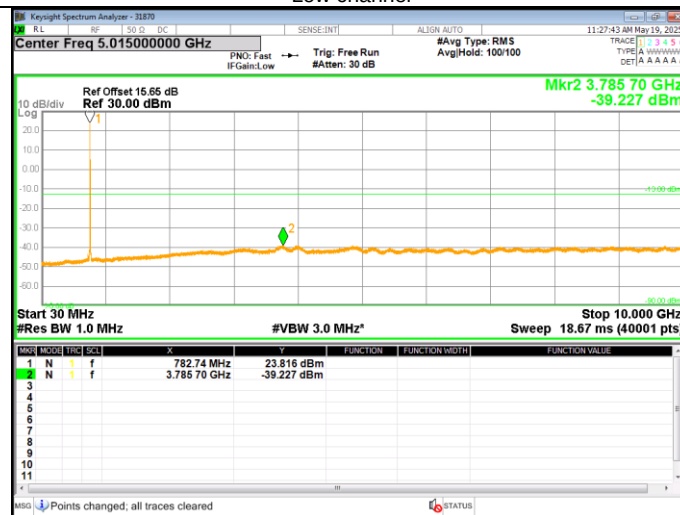
High channel

LTE Band 13 (ANT A)

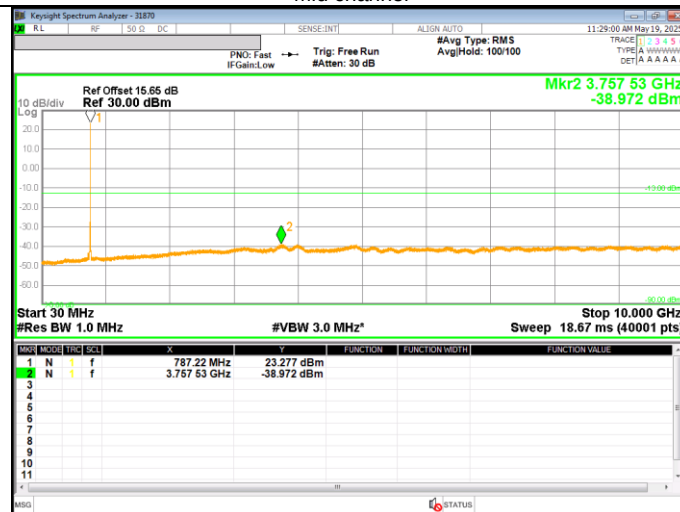
5 MHz QPSK



Low channel



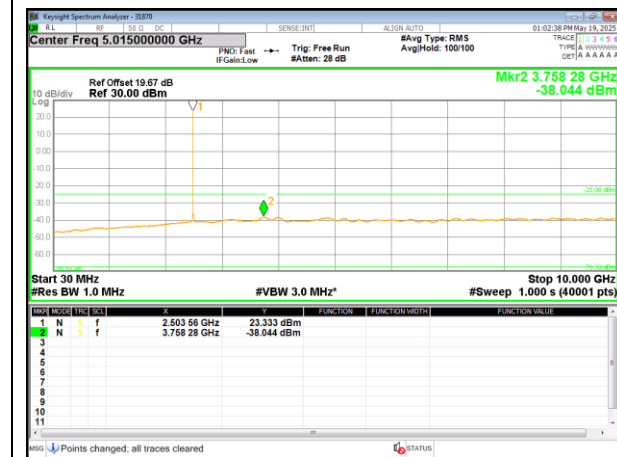
Mid channel



High channel

LTE Band 41(PC3) (ANT A)

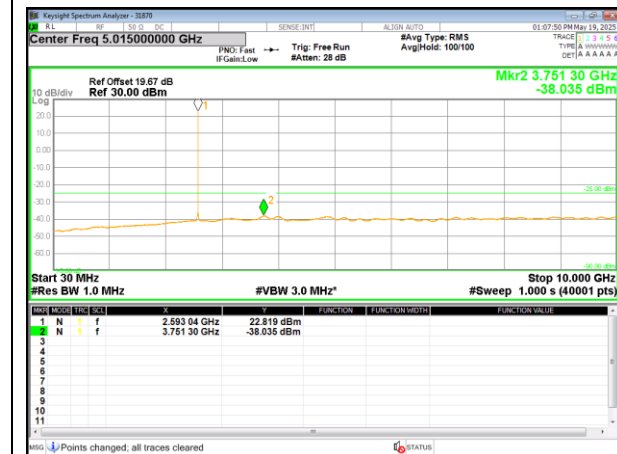
15 MHz QPSK



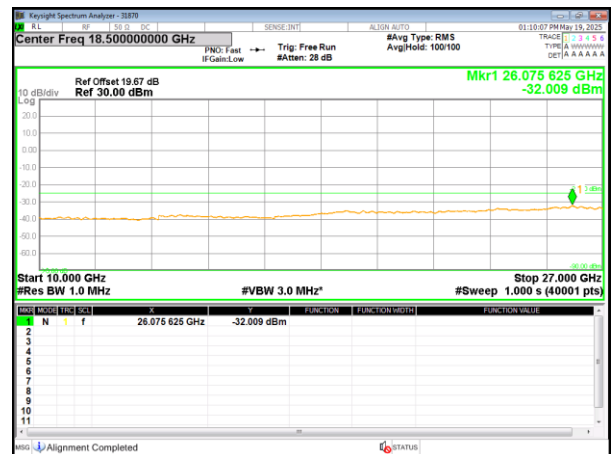
Low channel



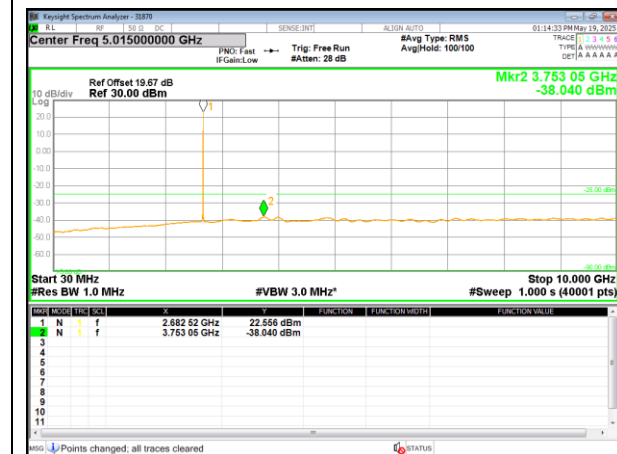
Low channel



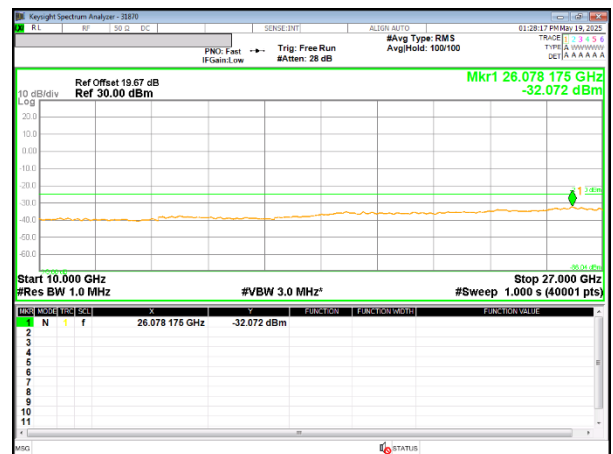
Mid channel



Mid channel



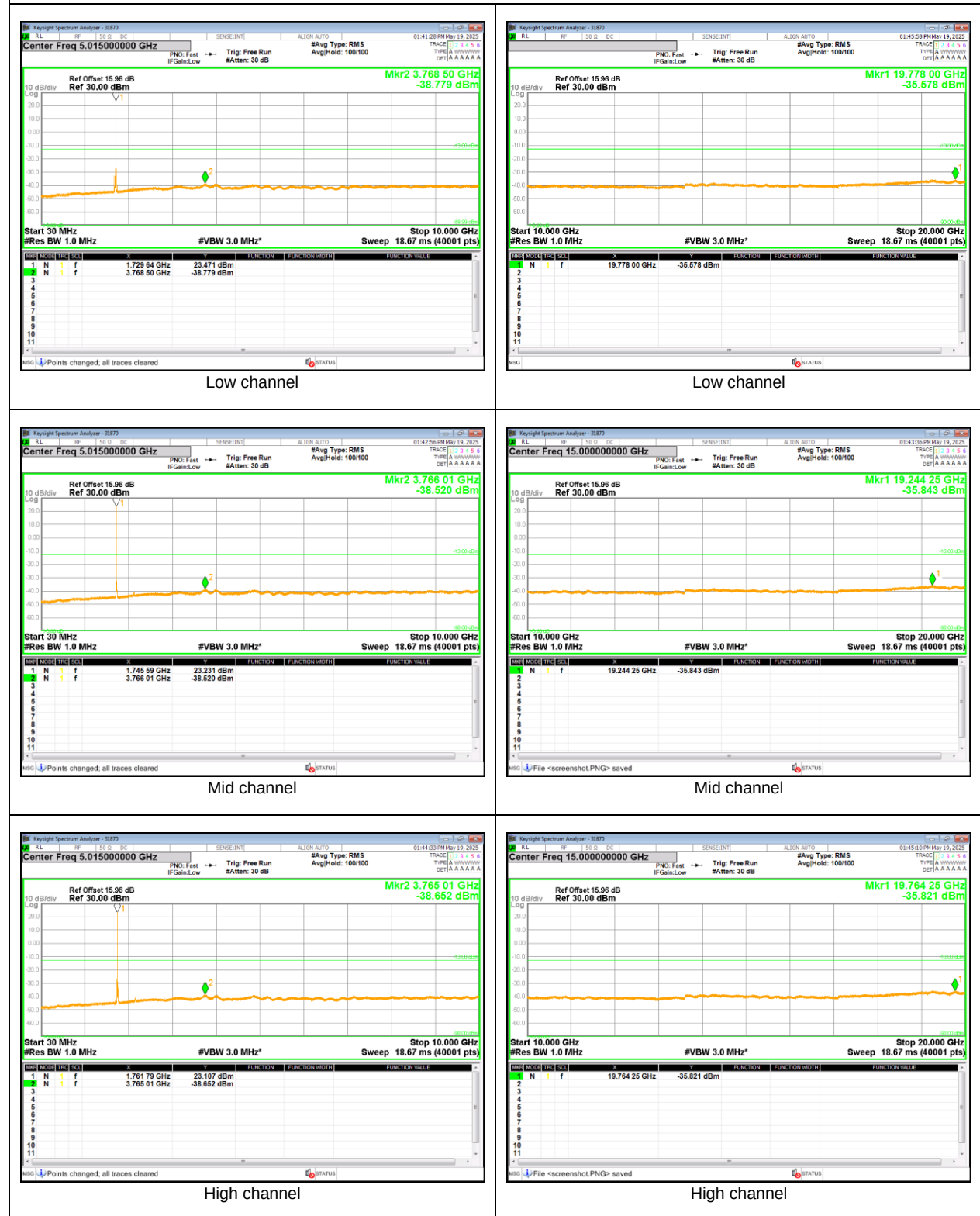
High channel



High channel

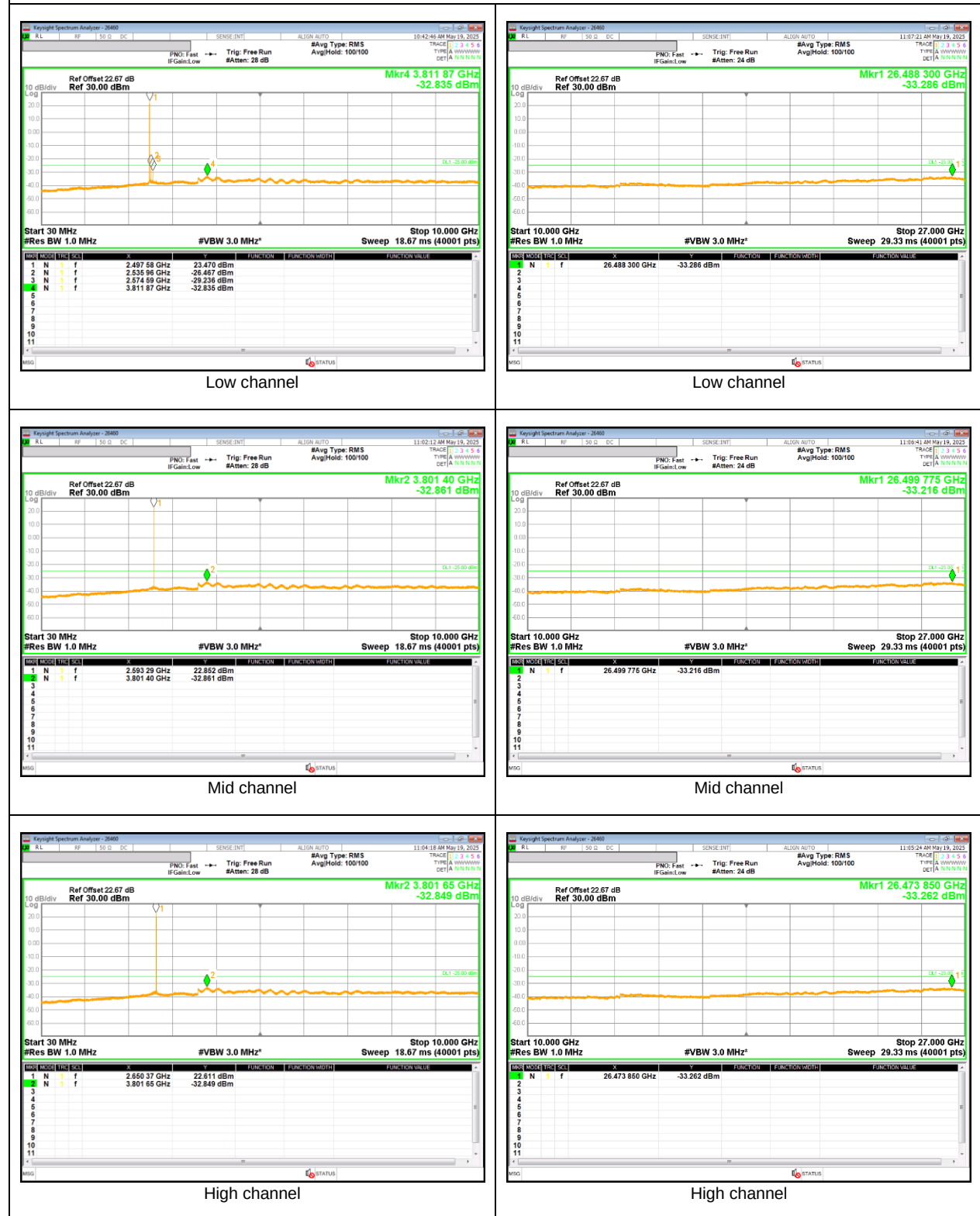
LTE Band 66 (ANT C)

20 MHz QPSK



NR Band n41 (PC3) (ANT A)

80 MHz QPSK DFT-s_OFDM



Note : For Marker 2,3 emissions in the Low channel, the frequency range is confined to 2496 – 2690 MHz

NR Band n66 (ANT A)

10 MHz QPSK DFT-s_OFDM



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)

Test Date	2025-05-14
Test Engineer	26460

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	1710.3098	1754.6854		
Extreme (50C)		1710.3098	1754.6854	4.2	0.002
Extreme (40C)		1710.3098	1754.6854	3.2	0.002
Extreme (30C)		1710.3098	1754.6854	5.1	0.003
Extreme (10C)		1710.3098	1754.6854	2.6	0.002
Extreme (0C)		1710.3098	1754.6854	1.6	0.001
Extreme (-10C)		1710.3098	1754.6854	2.4	0.001
Extreme (-20C)		1710.3098	1754.6854	4.8	0.003
Extreme (-30C)		1710.3098	1754.6854	6.1	0.004
20C	15%	1710.3098	1754.6854	1.6	0.001
	-15%	1710.3098	1754.6854	0.6	0.000
	End Point	1710.3098	1754.6854	1.8	0.001

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

Test Date	2025-05-14
Test Engineer	26460

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	699.1527	715.8452	4.3	0.006
Extreme (50C)		699.1527	715.8452		
Extreme (40C)		699.1527	715.8452		
Extreme (30C)		699.1527	715.8452		
Extreme (10C)		699.1527	715.8452		
Extreme (0C)		699.1527	715.8452		
Extreme (-10C)		699.1527	715.8452		
Extreme (-20C)		699.1527	715.8452		
Extreme (-30C)		699.1527	715.8452		
20C	15%	699.1527	715.8452	1.3	0.002
	-15%	699.1527	715.8452	1.1	0.002
	End Point	699.1527	715.8452	0.9	0.001

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

Test Date	2025-05-14
Test Engineer	26460

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	777.2532	786.7573		
Extreme (50C)		777.2532	786.7573	3.5	0.005
Extreme (40C)		777.2532	786.7573	2.4	0.003
Extreme (30C)		777.2532	786.7573	1.3	0.002
Extreme (10C)		777.2532	786.7573	1.1	0.001
Extreme (0C)		777.2532	786.7573	2.8	0.004
Extreme (-10C)		777.2532	786.7573	3.5	0.004
Extreme (-20C)		777.2532	786.7573	2.8	0.004
Extreme (-30C)		777.2532	786.7573	4.9	0.006
20C	15%	777.2532	786.7573	1.2	0.001
	-15%	777.2532	786.7573	1.7	0.002
	End Point	777.2532	786.7573	1.0	0.001

LTE Band 41 (PC3, Lowest Frequency: QPSK / Highest Frequency: QPSK)

Test Date	2025-05-14
Test Engineer	26460

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	2496.2519	2689.7442		
Extreme (50C)		2496.2519	2689.7442	5.5	0.002
Extreme (40C)		2496.2519	2689.7442	6.4	0.002
Extreme (30C)		2496.2519	2689.7442	2.5	0.001
Extreme (10C)		2496.2519	2689.7442	2.5	0.001
Extreme (0C)		2496.2519	2689.7442	4.1	0.002
Extreme (-10C)		2496.2519	2689.7442	5.4	0.002
Extreme (-20C)		2496.2519	2689.7442	6.7	0.003
Extreme (-30C)		2496.2519	2689.7442	5.6	0.002
20C	15%	2496.2519	2689.7442	7.4	0.003
	-15%	2496.2519	2689.7442	6.8	0.003
	End Point	2496.2519	2689.7442	4.8	0.002

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

Test Date	2025-05-14
Test Engineer	26460

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	1710.1502	1779.8452		
Extreme (50C)		1710.1502	1779.8452	2.5	0.001
Extreme (40C)		1710.1502	1779.8452	3.1	0.002
Extreme (30C)		1710.1502	1779.8452	1.3	0.001
Extreme (10C)		1710.1502	1779.8452	1.7	0.001
Extreme (0C)		1710.1502	1779.8452	2.4	0.001
Extreme (-10C)		1710.1502	1779.8452	6.1	0.004
Extreme (-20C)		1710.1502	1779.8452	4.8	0.003
Extreme (-30C)		1710.1502	1779.8452	5.3	0.003
20C	15%	1710.1502	1779.8452	2.5	0.001
	-15%	1710.1502	1779.8452	2.1	0.001
	End Point	1710.1502	1779.8452	1.5	0.001

NR Band n41 (PC3, Lowest Frequency: QPSK / Highest Frequency: 16QAM)

Test Date	2025-05-22
Test Engineer	26460

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	2496.6961	2689.3093		
Extreme (50C)		2496.6961	2689.3093	15.3	0.006
Extreme (40C)		2496.6961	2689.3093	12.1	0.005
Extreme (30C)		2496.6961	2689.3093	10.3	0.004
Extreme (10C)		2496.6961	2689.3093	8.5	0.003
Extreme (0C)		2496.6961	2689.3093	6.3	0.002
Extreme (-10C)		2496.6961	2689.3093	5.5	0.002
Extreme (-20C)		2496.6961	2689.3093	8.4	0.003
Extreme (-30C)		2496.6961	2689.3093	9.8	0.004
20C	15%	2496.6961	2689.3093	21.3	0.008
	-15%	2496.6961	2689.3093	6.5	0.003
	End Point	2496.6961	2689.3093	4.3	0.002

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

Test Date	2025-05-22
Test Engineer	26460

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	1710.2569	1779.7475		
Extreme (50C)		1710.2569	1779.7475	21.8	0.012
Extreme (40C)		1710.2569	1779.7475	18.5	0.011
Extreme (30C)		1710.2569	1779.7475	15.3	0.009
Extreme (10C)		1710.2569	1779.7475	12.7	0.007
Extreme (0C)		1710.2569	1779.7475	10.5	0.006
Extreme (-10C)		1710.2569	1779.7475	9.8	0.006
Extreme (-20C)		1710.2569	1779.7475	11.1	0.006
Extreme (-30C)		1710.2569	1779.7475	12.5	0.007
20C	15%	1710.2569	1779.7475	19.3	0.011
	-15%	1710.2569	1779.7475	12.1	0.007
	End Point	1710.2569	1779.7475	8.5	0.005

9. RADIATED RESULTS

9.1. RADIATED POWER (ERP & EIRP)

RULE PART(S)

FCC: §2.1046, §27.50

LIMITS

§27.50:

(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.

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 $\geq 1\%$ to 5% of the OBW;
- b) Set VBW $\geq 3 \times$ RBW;
- c) Set span $\geq 2 \times$ to $3 \times$ the OBW.;
- d) Sweep time = auto couple or Set $\geq [10 \times (\text{number of points in sweep}) \times (\text{transmission period})]$ for single sweep (automation-compatible) measurement. Transmission period is the on and off time of the transmitter.;
- e) Detector = rms;
- f) Ensure that the number of measurement points $\geq 2 \times \text{span/RBW}$;
- g) Trace mode = average;
- h) If the EUT can be configured to transmit continuously, then set the trigger to free run.
- i) If the EUT cannot be configured to transmit continuously, then use a sweep trigger with the level set to enable triggering only on full power bursts and configure the EUT to transmit at full power for the entire duration of each sweep. Verify that the sweep time is less than or equal to the transmission burst duration. Time gating can also be used under similar constraints (i.e., configured such that measurement data is collected only during active full-power transmissions).
- j) Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple. To accurately determine the average power over multiple symbols, it can be necessary to increase the number of traces to be averaged above 100 or, if using a manually configured sweep time, increase the sweep time.
- k) Compute the power by integrating the spectrum across the OBW of the signal using the instrument's band or channel power measurement function, with the band/channel limits set equal to the OBW band edges. If the instrument does not have a band or channel power function, then sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.

NOTE

LTE, 5G NR : The OBW value corresponding to the total channel bandwidth is the OBW of FullRB. Measurements were made with a 1RB configuration (Worst case) over the entire channel bandwidth, and FRB configurations were also reported for the worst BW.

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	19.38	H	4.32	9.47	24.53	283.79	30.00	-5.47
		1732.60	19.17	H	4.35	9.54	24.36	272.90	30.00	-5.64
		1752.60	18.72	H	4.37	9.60	23.95	248.31	30.00	-6.05
	HSDPA	1712.40	19.37	H	4.32	9.47	24.52	283.14	30.00	-5.48
		1732.60	19.05	H	4.35	9.54	24.24	265.46	30.00	-5.76
		1752.60	18.66	H	4.37	9.60	23.89	244.91	30.00	-6.11

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	22.08	H	2.79	-1.34	17.95	62.37	34.77	-16.82	1/0
		707.50	22.45	H	2.80	-1.34	18.31	67.76	34.77	-16.46	1/0
		711.00	22.46	H	2.81	-1.33	18.32	67.92	34.77	-16.45	1/0
	16-QAM	704.00	21.25	H	2.79	-1.34	17.12	51.52	34.77	-17.65	1/25
		707.50	21.36	H	2.80	-1.34	17.22	52.72	34.77	-17.55	1/25
		711.00	21.61	H	2.81	-1.33	17.47	55.85	34.77	-17.30	1/25
5	QPSK	701.50	21.98	H	2.79	-1.35	17.84	60.81	34.77	-16.93	1/0
		707.50	22.20	H	2.80	-1.34	18.06	63.97	34.77	-16.71	1/12
		713.50	22.49	H	2.81	-1.32	18.36	68.55	34.77	-16.41	1/12
	16-QAM	701.50	21.46	H	2.79	-1.35	17.32	53.95	34.77	-17.45	1/24
		707.50	21.43	H	2.80	-1.34	17.29	53.58	34.77	-17.48	1/12
		713.50	21.50	H	2.81	-1.32	17.37	54.58	34.77	-17.40	1/0
3	QPSK	700.50	21.74	H	2.79	-1.35	17.60	57.54	34.77	-17.17	1/0
		707.50	22.03	H	2.80	-1.34	17.89	61.52	34.77	-16.88	1/8
		714.50	22.34	H	2.82	-1.32	18.20	66.07	34.77	-16.57	1/0
	16-QAM	700.50	21.35	H	2.79	-1.35	17.21	52.60	34.77	-17.56	1/0
		707.50	21.71	H	2.80	-1.34	17.57	57.15	34.77	-17.20	1/8
		714.50	21.54	H	2.82	-1.32	17.40	54.95	34.77	-17.37	1/8
1.4	QPSK	699.70	21.78	H	2.78	-1.35	17.65	58.21	34.77	-17.12	1/0
		707.50	22.08	H	2.80	-1.34	17.94	62.23	34.77	-16.83	1/5
		715.30	22.40	H	2.82	-1.32	18.26	66.99	34.77	-16.51	1/0
	16-QAM	699.70	21.14	H	2.78	-1.35	17.01	50.23	34.77	-17.76	1/3
		707.50	21.43	H	2.80	-1.34	17.29	53.58	34.77	-17.48	1/3
		715.30	21.38	H	2.82	-1.32	17.24	52.97	34.77	-17.53	1/3
5	QPSK	701.50	21.09	H	2.79	-1.35	16.95	49.55	34.77	-17.82	15/0
		707.50	20.97	H	2.80	-1.34	16.83	48.19	34.77	-17.94	15/0
		713.50	21.69	H	2.81	-1.32	17.56	57.02	34.77	-17.21	15/0
3	16-QAM	700.50	20.12	H	2.79	-1.35	15.98	39.63	34.77	-18.79	6/0
		707.50	20.64	H	2.80	-1.34	16.50	44.67	34.77	-18.27	6/0
		714.50	20.34	H	2.82	-1.32	16.20	41.69	34.77	-18.57	6/0

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	22.86	H	2.94	-1.19	18.73	74.64	34.77	-16.04	1/0
	16-QAM	782.00	22.17	H	2.94	-1.19	18.04	63.68	34.77	-16.73	1/25
5	QPSK	779.50	22.75	H	2.94	-1.19	18.63	72.95	34.77	-16.14	1/24
		782.00	23.28	H	2.94	-1.19	19.15	82.22	34.77	-15.62	1/12
		784.50	23.34	H	2.95	-1.18	19.22	83.56	34.77	-15.55	1/24
	16-QAM	779.50	21.91	H	2.94	-1.19	17.79	60.12	34.77	-16.98	1/12
		782.00	22.35	H	2.94	-1.19	18.22	66.37	34.77	-16.55	1/24
		784.50	22.61	H	2.95	-1.18	18.49	70.63	34.77	-16.28	1/0
5	QPSK	779.50	21.70	H	2.94	-1.19	17.58	57.28	34.77	-17.19	25/0
		782.00	22.25	H	2.94	-1.19	18.12	64.86	34.77	-16.65	25/0
		784.50	22.21	H	2.95	-1.18	18.09	64.42	34.77	-16.68	25/0
	16-QAM	779.50	20.71	H	2.94	-1.19	16.59	45.60	34.77	-18.18	25/0
		782.00	21.33	H	2.94	-1.19	17.20	52.48	34.77	-17.57	25/0
		784.50	21.59	H	2.95	-1.18	17.47	55.85	34.77	-17.30	25/0

LTE Band 41 (PC3) (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	2506.00	20.26	H	5.25	10.04	25.05	319.89	33.00	-7.95	1/49
		2593.00	21.50	H	5.34	9.90	26.06	403.65	33.00	-6.94	1/49
		2680.00	18.76	H	5.44	9.88	23.20	208.93	33.00	-9.80	1/49
	16-QAM	2506.00	19.47	H	5.25	10.04	24.26	266.69	33.00	-8.74	1/49
		2593.00	20.34	H	5.34	9.90	24.90	309.03	33.00	-8.10	1/0
		2680.00	17.75	H	5.44	9.88	22.19	165.58	33.00	-10.81	1/49
15	QPSK	2503.50	20.32	H	5.25	10.05	25.12	325.09	33.00	-7.88	1/37
		2593.00	21.28	H	5.34	9.90	25.84	383.71	33.00	-7.16	1/37
		2682.50	17.78	H	5.44	9.88	22.22	166.72	33.00	-10.78	1/37
	16-QAM	2503.50	19.33	H	5.25	10.05	24.13	258.82	33.00	-8.87	1/37
		2593.00	20.07	H	5.34	9.90	24.63	290.40	33.00	-8.37	1/37
		2682.50	17.15	H	5.44	9.88	21.59	144.21	33.00	-11.41	1/37
10	QPSK	2501.00	19.73	H	5.24	10.05	24.54	284.45	33.00	-8.46	1/0
		2593.00	20.81	H	5.34	9.90	25.37	344.35	33.00	-7.63	1/49
		2685.00	17.81	H	5.45	9.89	22.24	167.49	33.00	-10.76	1/0
	16-QAM	2501.00	19.23	H	5.24	10.05	24.04	253.51	33.00	-8.96	1/0
		2593.00	19.83	H	5.34	9.90	24.39	274.79	33.00	-8.61	1/0
		2685.00	16.92	H	5.45	9.89	21.35	136.46	33.00	-11.65	1/0
5	QPSK	2498.50	19.82	H	5.24	10.06	24.64	291.07	33.00	-8.36	1/0
		2593.00	20.91	H	5.34	9.90	25.47	352.37	33.00	-7.53	1/0
		2687.50	18.05	H	5.45	9.89	22.49	177.42	33.00	-10.51	1/0
	16-QAM	2498.50	19.67	H	5.24	10.06	24.49	281.19	33.00	-8.51	1/12
		2593.00	20.26	H	5.34	9.90	24.82	303.39	33.00	-8.18	1/12
		2687.50	17.48	H	5.45	9.89	21.92	155.60	33.00	-11.08	1/0
20	QPSK	2506.00	19.25	H	5.25	10.04	24.04	253.51	33.00	-8.96	100/0
		2593.00	20.48	H	5.34	9.90	25.04	319.15	33.00	-7.96	100/0
		2680.00	17.81	H	5.44	9.88	22.24	167.49	33.00	-10.76	100/0
	16-QAM	2506.00	18.44	H	5.25	10.04	23.23	210.38	33.00	-9.77	100/0
		2593.00	19.42	H	5.34	9.90	23.98	250.03	33.00	-9.02	100/0
		2680.00	16.74	H	5.44	9.88	21.17	130.92	33.00	-11.83	100/0

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	19.68	H	4.33	9.50	24.85	305.49	30.00	-5.15	1/99
		1745.00	19.42	H	4.37	9.58	24.64	291.07	30.00	-5.36	1/99
		1770.00	18.95	H	4.40	9.62	24.18	261.82	30.00	-5.82	1/49
	16-QAM	1720.00	18.77	H	4.33	9.50	23.94	247.74	30.00	-6.06	1/99
		1745.00	18.48	H	4.37	9.58	23.69	233.88	30.00	-6.31	1/99
		1770.00	17.94	H	4.40	9.62	23.17	207.49	30.00	-6.83	1/49
15	QPSK	1717.50	19.60	H	4.32	9.49	24.77	299.92	30.00	-5.23	1/74
		1745.00	19.66	H	4.37	9.58	24.88	307.61	30.00	-5.12	1/74
		1772.50	19.26	H	4.40	9.63	24.49	281.19	30.00	-5.51	1/74
	16-QAM	1717.50	18.37	H	4.32	9.49	23.54	225.94	30.00	-6.46	1/74
		1745.00	18.38	H	4.37	9.58	23.60	229.09	30.00	-6.40	1/74
		1772.50	18.12	H	4.40	9.63	23.35	216.27	30.00	-6.65	1/35
10	QPSK	1715.00	19.34	H	4.32	9.48	24.50	281.84	30.00	-5.50	1/49
		1745.00	19.61	H	4.37	9.58	24.83	304.09	30.00	-5.17	1/49
		1775.00	19.30	H	4.40	9.63	24.53	283.79	30.00	-5.47	1/0
	16-QAM	1715.00	18.50	H	4.32	9.48	23.66	232.27	30.00	-6.34	1/49
		1745.00	18.54	H	4.37	9.58	23.76	237.68	30.00	-6.24	1/49
		1775.00	18.11	H	4.40	9.63	23.34	215.77	30.00	-6.66	1/0
5	QPSK	1712.50	19.16	H	4.32	9.47	24.32	270.40	30.00	-5.68	1/12
		1745.00	19.80	H	4.37	9.58	25.02	317.69	30.00	-4.98	1/12
		1777.50	19.37	H	4.40	9.63	24.61	289.07	30.00	-5.39	1/12
	16-QAM	1712.50	18.05	H	4.32	9.47	23.21	209.41	30.00	-6.79	1/12
		1745.00	18.53	H	4.37	9.58	23.75	237.14	30.00	-6.25	1/24
		1777.50	18.06	H	4.40	9.63	23.30	213.80	30.00	-6.70	1/12
3	QPSK	1711.50	18.96	H	4.31	9.47	24.11	257.63	30.00	-5.89	1/14
		1745.00	19.50	H	4.37	9.58	24.72	296.48	30.00	-5.28	1/0
		1778.50	19.33	H	4.40	9.63	24.56	285.76	30.00	-5.44	1/0
	16-QAM	1711.50	17.73	H	4.31	9.47	22.88	194.09	30.00	-7.12	1/0
		1745.00	18.79	H	4.37	9.58	24.01	251.77	30.00	-5.99	1/14
		1778.50	18.00	H	4.40	9.63	23.23	210.38	30.00	-6.77	1/0
1.4	QPSK	1710.70	19.02	H	4.31	9.47	24.17	261.22	30.00	-5.83	1/5
		1745.00	19.55	H	4.37	9.58	24.77	299.92	30.00	-5.23	1/5
		1779.30	19.35	H	4.40	9.63	24.58	287.08	30.00	-5.42	1/5
	16-QAM	1710.70	18.38	H	4.31	9.47	23.53	225.42	30.00	-6.47	1/5
		1745.00	18.78	H	4.37	9.58	24.00	251.19	30.00	-6.00	1/3
		1779.30	18.07	H	4.40	9.63	23.30	213.80	30.00	-6.70	1/3
5	QPSK	1712.50	18.13	H	4.32	9.47	23.29	213.30	30.00	-6.71	25/0
		1745.00	18.77	H	4.37	9.58	23.99	250.61	30.00	-6.01	25/0
		1777.50	18.51	H	4.40	9.63	23.75	237.14	30.00	-6.25	25/0
3	16-QAM	1711.50	16.74	H	4.31	9.47	21.89	154.53	30.00	-8.11	15/0
		1745.00	17.74	H	4.37	9.58	22.96	197.70	30.00	-7.04	15/0
		1778.50	17.90	H	4.40	9.63	23.13	205.59	30.00	-6.87	15/0

LTE Band 66 (ANT C)

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	3.10	V	4.33	9.50	8.27	6.71	30.00	-21.73	1/99
		1745.00	6.78	V	4.37	9.58	12.00	15.85	30.00	-18.00	1/49
		1770.00	8.85	V	4.40	9.62	14.08	25.59	30.00	-15.92	1/0
	16-QAM	1720.00	2.00	V	4.33	9.50	7.17	5.21	30.00	-22.83	1/99
		1745.00	5.85	V	4.37	9.58	11.07	12.79	30.00	-18.93	1/99
		1770.00	7.85	V	4.40	9.62	13.08	20.32	30.00	-16.92	1/0
15	QPSK	1717.50	2.74	V	4.32	9.49	7.90	6.17	30.00	-22.10	1/37
		1745.00	6.74	V	4.37	9.58	11.96	15.70	30.00	-18.04	1/37
		1772.50	8.88	V	4.40	9.63	14.11	25.76	30.00	-15.89	1/0
	16-QAM	1717.50	1.57	V	4.32	9.49	6.73	4.71	30.00	-23.27	1/37
		1745.00	5.71	V	4.37	9.58	10.93	12.39	30.00	-19.07	1/0
		1772.50	7.78	V	4.40	9.63	13.01	20.00	30.00	-16.99	1/0
10	QPSK	1715.00	2.30	V	4.32	9.48	7.46	5.57	30.00	-22.54	1/49
		1745.00	6.66	V	4.37	9.58	11.88	15.42	30.00	-18.12	1/49
		1775.00	9.07	V	4.40	9.63	14.30	26.92	30.00	-15.70	1/0
	16-QAM	1715.00	1.11	V	4.32	9.48	6.27	4.24	30.00	-23.73	1/0
		1745.00	5.69	V	4.37	9.58	10.91	12.33	30.00	-19.09	1/49
		1775.00	7.73	V	4.40	9.63	12.96	19.77	30.00	-17.04	1/25
5	QPSK	1712.50	2.19	V	4.32	9.47	7.34	5.42	30.00	-22.66	1/24
		1745.00	6.59	V	4.37	9.58	11.81	15.17	30.00	-18.19	1/12
		1777.50	9.04	V	4.40	9.63	14.28	26.79	30.00	-15.72	1/0
	16-QAM	1712.50	1.00	V	4.32	9.47	6.15	4.12	30.00	-23.85	1/0
		1745.00	5.87	V	4.37	9.58	11.09	12.85	30.00	-18.91	1/12
		1777.50	7.77	V	4.40	9.63	13.01	20.00	30.00	-16.99	1/12
3	QPSK	1711.50	2.19	V	4.31	9.47	7.35	5.43	30.00	-22.65	1/14
		1745.00	6.66	V	4.37	9.58	11.88	15.42	30.00	-18.12	1/14
		1778.50	9.08	V	4.40	9.63	14.32	27.04	30.00	-15.68	1/0
	16-QAM	1711.50	1.25	V	4.31	9.47	6.41	4.38	30.00	-23.59	1/0
		1745.00	5.95	V	4.37	9.58	11.17	13.09	30.00	-18.83	1/8
		1778.50	7.91	V	4.40	9.63	13.15	20.65	30.00	-16.85	1/8
1.4	QPSK	1710.70	2.26	V	4.31	9.47	7.41	5.51	30.00	-22.59	1/0
		1745.00	6.67	V	4.37	9.58	11.89	15.45	30.00	-18.11	1/5
		1779.30	9.07	V	4.40	9.63	14.30	26.92	30.00	-15.70	1/0
	16-QAM	1710.70	1.27	V	4.31	9.47	6.42	4.39	30.00	-23.58	1/0
		1745.00	5.97	V	4.37	9.58	11.19	13.15	30.00	-18.81	1/5
		1779.30	7.60	V	4.40	9.63	12.83	19.19	30.00	-17.17	1/0
3	QPSK	1711.50	1.22	V	4.31	9.47	6.38	4.35	30.00	-23.62	15/0
		1745.00	5.41	V	4.37	9.58	10.63	11.56	30.00	-19.37	15/0
		1778.50	8.03	V	4.40	9.63	13.27	21.23	30.00	-16.73	15/0
	16-QAM	1711.50	0.29	V	4.31	9.47	5.45	3.51	30.00	-24.55	15/0
		1745.00	5.01	V	4.37	9.58	10.23	10.54	30.00	-19.77	15/0
		1778.50	7.06	V	4.40	9.63	12.30	16.98	30.00	-17.70	15/0

NR Band n41 (PC3) 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
100	QPSK	2546.01	21.17	H	5.29	9.97	25.84	383.71	33.00	-7.16	1/1
		2592.99	21.11	H	5.34	9.90	25.67	368.98	33.00	-7.33	1/136
		2640.00	21.81	H	5.39	9.87	26.29	425.60	33.00	-6.71	1/136
	16-QAM	2546.01	20.28	H	5.29	9.97	24.95	312.61	33.00	-8.05	1/136
		2592.99	20.14	H	5.34	9.90	24.70	295.12	33.00	-8.30	1/271
		2640.00	20.74	H	5.39	9.87	25.22	332.66	33.00	-7.78	1/1
90	QPSK	2541.00	21.08	H	5.29	9.98	25.77	377.57	33.00	-7.23	1/1
		2592.99	20.93	H	5.34	9.90	25.49	354.00	33.00	-7.51	1/123
		2644.98	21.80	H	5.40	9.86	26.26	422.67	33.00	-6.74	1/123
	16-QAM	2541.00	20.57	H	5.29	9.98	25.26	335.74	33.00	-7.74	1/1
		2592.99	19.95	H	5.34	9.90	24.51	282.49	33.00	-8.49	1/123
		2644.98	20.81	H	5.40	9.86	25.27	336.51	33.00	-7.73	1/123
80	QPSK	2536.02	21.34	H	5.28	9.99	26.04	401.79	33.00	-6.96	1/1
		2592.99	20.87	H	5.34	9.90	25.43	349.14	33.00	-7.57	1/108
		2649.99	21.82	H	5.41	9.86	26.27	423.64	33.00	-6.73	1/108
	16-QAM	2536.02	19.84	H	5.28	9.99	24.54	284.45	33.00	-8.46	1/108
		2592.99	19.98	H	5.34	9.90	24.54	284.45	33.00	-8.46	1/108
		2649.99	20.75	H	5.41	9.86	25.20	331.13	33.00	-7.80	1/1
70	QPSK	2531.02	21.23	H	5.28	10.00	25.95	393.55	33.00	-7.05	1/1
		2592.99	20.82	H	5.34	9.90	25.38	345.14	33.00	-7.62	1/94
		2654.98	21.90	H	5.42	9.86	26.35	431.52	33.00	-6.65	1/94
	16-QAM	2531.02	20.28	H	5.28	10.00	25.00	316.23	33.00	-8.00	1/94
		2592.99	20.06	H	5.34	9.90	24.40	275.42	33.00	-8.60	1/94
		2654.98	20.78	H	5.42	9.86	25.23	333.43	33.00	-7.77	1/94
60	QPSK	2526.00	21.34	H	5.28	10.01	26.07	404.58	33.00	-6.93	1/80
		2592.99	20.89	H	5.34	9.90	25.45	350.75	33.00	-7.55	1/80
		2659.98	21.88	H	5.42	9.87	26.32	428.55	33.00	-6.68	1/80
	16-QAM	2526.00	20.63	H	5.28	10.01	25.36	343.56	33.00	-7.64	1/80
		2592.99	19.87	H	5.34	9.90	24.43	277.33	33.00	-8.57	1/80
		2659.98	20.79	H	5.42	9.87	25.23	333.43	33.00	-7.77	1/80
50	QPSK	2521.01	21.24	H	5.27	10.02	25.99	397.19	33.00	-7.01	1/66
		2592.99	20.88	H	5.34	9.90	25.44	349.95	33.00	-7.56	1/66
		2665.00	21.64	H	5.43	9.87	26.09	406.44	33.00	-6.91	1/66
	16-QAM	2521.01	20.61	H	5.27	10.02	25.36	343.56	33.00	-7.64	1/1
		2592.99	19.82	H	5.34	9.90	24.38	274.16	33.00	-8.62	1/66
		2665.00	20.61	H	5.43	9.87	25.06	320.63	33.00	-7.94	1/66
40	QPSK	2516.01	21.16	H	5.26	10.02	25.92	390.84	33.00	-7.08	1/52
		2592.99	20.87	H	5.34	9.90	25.43	349.14	33.00	-7.57	1/52
		2670.00	21.66	H	5.43	9.87	26.11	408.32	33.00	-6.89	1/1
	16-QAM	2516.01	20.11	H	5.26	10.02	24.87	306.90	33.00	-8.13	1/1
		2592.99	19.68	H	5.34	9.90	24.24	265.46	33.00	-8.76	1/104
		2670.00	20.89	H	5.43	9.87	25.34	341.98	33.00	-7.66	1/1
30	QPSK	2511.01	19.63	H	5.26	10.03	24.41	275.81	33.00	-8.59	1/1
		2592.99	19.40	H	5.34	9.90	23.96	248.69	33.00	-9.04	1/39
		2675.00	19.29	H	5.43	9.88	23.73	236.27	33.00	-9.27	1/1
	16-QAM	2511.01	19.31	H	5.26	10.03	24.09	256.22	33.00	-8.91	1/39
		2592.99	19.19	H	5.34	9.90	23.75	236.95	33.00	-9.25	1/39
		2675.00	19.16	H	5.43	9.88	23.60	229.30	33.00	-9.40	1/1
20	QPSK	2506.02	20.94	H	5.25	10.03	24.30	269.15	33.00	-8.70	1/1
		2592.99	20.77	H	5.34	9.90	25.33	341.19	33.00	-7.67	1/26
		2679.99	20.98	H	5.44	9.88	25.41	347.54	33.00	-7.59	1/1
	16-QAM	2506.02	20.32	H	5.25	10.03	24.00	251.19	33.00	-9.00	1/1
		2592.99	20.04	H	5.34	9.90	24.60	288.40	33.00	-8.40	1/26
		2679.99	20.18	H	5.44	9.88	24.61	289.07	33.00	-8.39	1/1
15	QPSK	2503.50	20.97	H	5.25	10.04	24.35	272.27	33.00	-8.65	1/1
		2592.99	20.87	H	5.34	9.90	25.43	349.14	33.00	-7.57	1/19
		2682.48	21.00	H	5.44	9.88	25.44	349.95	33.00	-7.56	1/1
	16-QAM	2503.50	20.18	H	5.25	10.04	24.10	257.04	33.00	-8.90	1/19
		2592.99	19.93	H	5.34	9.90	24.49	281.19	33.00	-8.51	1/36
		2682.48	20.12	H	5.44	9.88	24.56	285.76	33.00	-8.44	1/19
10	QPSK	2501.01	19.56	H	5.24	10.04	24.36	272.90	33.00	-8.64	1/1
		2592.99	19.40	H	5.34	9.90	23.96	248.89	33.00	-9.04	1/22
		2685.00	19.40	H	5.45	9.88	23.83	241.55	33.00	-9.17	1/22
	16-QAM	2501.01	19.23	H	5.24	10.04	24.03	252.93	33.00	-8.97	1/1
		2592.99	19.18	H	5.34	9.90	23.74	236.59	33.00	-9.26	1/1
		2685.00	19.11	H	5.45	9.88	23.54	225.94	33.00	-9.46	1/12
70	QPSK	2531.01	20.17	H	5.28	10.00	24.89	308.32	33.00	-8.11	180/0
		2592.99	19.90	H	5.34	9.90	24.46	279.25	33.00	-8.54	180/0
		2655.00	20.87	H	5.42	9.86	25.32	340.41	33.00	-7.68	180/0
60	16-QAM	2526.00	19.61	H	5.28	10.01	24.34	271.64	33.00	-8.66	162/0
		2592.99	18.88	H	5.34	9.90	23.44	220.80	33.00	-9.56	162/0
		2659.98	19.84	H	5.42	9.87	24.28	267.92	33.00	-8.72	162/0

NR Band n41 (SRS2, 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)
10	2501.01	10.79	H	5.24	10.05	15.60	36.31	33.00	-17.40
	2592.99	14.62	H	5.34	9.90	19.18	82.79	33.00	-13.82
	2685.00	13.13	H	5.45	9.89	17.56	57.02	33.00	-50.56

NR Band n41 (SRS3, 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)
20	2506.01	12.75	H	5.25	10.04	17.54	56.75	33.00	-15.46
	2592.99	12.16	H	5.34	9.90	16.72	46.99	33.00	-16.28
	2680.00	10.39	H	5.44	9.88	14.82	30.34	33.00	-47.82

NR Band n41 (SRS4, 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)
50	2521.01	9.20	H	5.27	10.02	13.95	24.83	33.00	-19.05
	2592.99	9.87	H	5.34	9.90	14.43	27.73	33.00	-18.57
	2665.00	9.24	H	5.43	9.87	13.69	23.39	33.00	-46.69

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
40	QPSK	1730.00	19.97	H	4.34	9.53	25.15	327.34	30.00	-4.85	1/214
		1745.00	19.80	H	4.37	9.58	25.01	316.96	30.00	-4.99	1/1
		1760.00	19.27	H	4.38	9.61	24.51	282.49	30.00	-5.49	1/214
	16-QAM	1730.00	18.88	H	4.34	9.53	24.06	254.68	30.00	-5.94	1/107
		1745.00	18.89	H	4.37	9.58	24.11	257.63	30.00	-5.89	1/107
		1760.00	18.35	H	4.38	9.61	23.59	228.56	30.00	-6.41	1/214
30	QPSK	1725.00	19.74	H	4.34	9.52	24.92	310.46	30.00	-5.08	1/158
		1745.00	19.73	H	4.37	9.58	24.95	312.61	30.00	-5.05	1/79
		1765.00	19.38	H	4.39	9.62	24.61	289.07	30.00	-5.39	1/1
	16-QAM	1725.00	18.87	H	4.34	9.52	24.05	254.10	30.00	-5.95	1/79
		1745.00	18.73	H	4.37	9.58	23.95	248.31	30.00	-6.05	1/79
		1765.00	18.49	H	4.39	9.62	23.72	235.50	30.00	-6.28	1/1
25	QPSK	1722.50	20.06	H	4.33	9.51	25.23	333.43	30.00	-4.77	1/66
		1745.00	19.71	H	4.37	9.58	24.93	311.17	30.00	-5.07	1/131
		1767.50	19.42	H	4.39	9.62	24.65	291.74	30.00	-5.35	1/131
	16-QAM	1722.50	18.90	H	4.33	9.51	24.07	255.27	30.00	-5.93	1/66
		1745.00	18.57	H	4.37	9.58	23.79	239.33	30.00	-6.21	1/131
		1767.50	18.40	H	4.39	9.62	23.63	230.67	30.00	-6.37	1/131
20	QPSK	1720.00	20.05	H	4.33	9.50	25.22	332.66	30.00	-4.78	1/52
		1745.00	19.88	H	4.37	9.58	25.10	323.59	30.00	-4.90	1/104
		1770.00	19.42	H	4.40	9.62	24.65	291.74	30.00	-5.35	1/104
	16-QAM	1720.00	18.89	H	4.33	9.50	24.06	254.68	30.00	-5.94	1/1
		1745.00	18.82	H	4.37	9.58	24.04	253.51	30.00	-5.96	1/104
		1770.00	18.53	H	4.40	9.62	23.76	237.68	30.00	-6.24	1/104
15	QPSK	1717.50	20.06	H	4.32	9.49	25.23	333.43	30.00	-4.77	1/77
		1745.00	19.67	H	4.37	9.58	24.89	308.32	30.00	-5.11	1/77
		1772.50	19.42	H	4.40	9.63	24.65	291.74	30.00	-5.35	1/77
	16-QAM	1717.50	18.95	H	4.32	9.49	24.12	258.23	30.00	-5.88	1/77
		1745.00	18.86	H	4.37	9.58	24.08	255.86	30.00	-5.92	1/77
		1772.50	18.45	H	4.40	9.63	23.68	233.35	30.00	-6.32	1/77
10	QPSK	1715.00	19.91	H	4.32	9.48	25.07	321.37	30.00	-4.93	1/50
		1745.00	20.06	H	4.37	9.58	25.28	337.29	30.00	-4.72	1/50
		1775.00	19.48	H	4.40	9.63	24.71	295.80	30.00	-5.29	1/50
	16-QAM	1715.00	18.85	H	4.32	9.48	24.01	251.77	30.00	-5.99	1/50
		1745.00	18.99	H	4.37	9.58	24.21	263.63	30.00	-5.79	1/50
		1775.00	18.59	H	4.40	9.63	23.82	240.99	30.00	-6.18	1/50
5	QPSK	1712.50	19.41	H	4.32	9.47	24.57	286.42	30.00	-5.43	1/23
		1745.00	19.86	H	4.37	9.58	25.08	322.11	30.00	-4.92	1/23
		1777.50	19.38	H	4.40	9.63	24.62	289.73	30.00	-5.38	1/1
	16-QAM	1712.50	18.32	H	4.32	9.47	23.48	222.84	30.00	-6.52	1/23
		1745.00	18.83	H	4.37	9.58	24.05	254.10	30.00	-5.95	1/23
		1777.50	18.62	H	4.40	9.63	23.86	243.22	30.00	-6.14	1/23
10	QPSK	1715.00	18.76	H	4.32	9.48	23.92	246.60	30.00	-6.08	50/0
		1745.00	19.11	H	4.37	9.58	24.33	271.02	30.00	-5.67	50/0
		1775.00	18.51	H	4.40	9.63	23.74	236.59	30.00	-6.26	50/0
	16-QAM	1715.00	17.76	H	4.32	9.48	22.92	195.88	30.00	-7.08	50/0
		1745.00	17.85	H	4.37	9.58	23.07	202.77	30.00	-6.93	50/0
		1775.00	17.62	H	4.40	9.63	22.85	192.75	30.00	-7.15	50/0

9.2. RADIATED SPURIOUS EMISSION

RULE PART(S)

FCC: §2.1053, §27.53

LIMIT

§27.53:

(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.

(f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation

(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.

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 or Set $\geq [10 \times (\text{number of points in sweep}) \times (\text{transmission period})]$ for single sweep (automation-compatible) measurement. Transmission period is the on and off time of the transmitter.
- e) Detector = rms;
- f) Ensure that the number of measurement points $\geq 2 \times \text{span/RBW}$;
- 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.

9.2.1. SPURIOUS RADIATION RESULT

WCDMA Band 4

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4791754791							
Date:		2025-05-14							
Test Engineer:		27089							
Configuration:		EUT / AC Adapter, X-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	-8.7	V	3.0	42.9	1.0	-50.7	-13.0	-37.7	
5137.20	-8.4	V	3.0	43.3	1.0	-50.7	-13.0	-37.7	
6849.60	-5.9	V	3.0	43.3	1.0	-48.2	-13.0	-35.2	
3424.80	-8.6	H	3.0	42.9	1.0	-50.6	-13.0	-37.6	
5137.20	-8.3	H	3.0	43.3	1.0	-50.6	-13.0	-37.6	
6849.60	-5.9	H	3.0	43.3	1.0	-48.3	-13.0	-35.3	
Mid Ch, 1732.6MHz									
3465.20	-8.6	V	3.0	43.0	1.0	-50.5	-13.0	-37.5	
5197.80	-8.2	V	3.0	43.3	1.0	-50.6	-13.0	-37.6	
6930.40	-5.7	V	3.0	43.3	1.0	-48.0	-13.0	-35.0	
3465.20	-8.5	H	3.0	43.0	1.0	-50.4	-13.0	-37.4	
5197.80	-8.2	H	3.0	43.3	1.0	-50.5	-13.0	-37.5	
6930.40	-5.8	H	3.0	43.3	1.0	-48.1	-13.0	-35.1	
High Ch, 1752.6MHz									
3505.20	-7.8	V	3.0	43.0	1.0	-49.8	-13.0	-36.8	
5257.80	-8.3	V	3.0	43.3	1.0	-50.7	-13.0	-37.7	
7010.40	-5.5	V	3.0	43.3	1.0	-47.8	-13.0	-34.8	
3505.20	-7.7	H	3.0	43.0	1.0	-49.6	-13.0	-36.6	
5257.80	-8.3	H	3.0	43.3	1.0	-50.7	-13.0	-37.7	
7010.40	-5.5	H	3.0	43.3	1.0	-47.8	-13.0	-34.8	

LTE Band 12

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4791754791							
Date:		2025-05-13							
Test Engineer:		24542							
Configuration:		EUT / AC Adapter, Z-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	-15.9	V	3.0	43.0	1.0	-57.9	-13.0	-44.9	
2104.50	-12.3	V	3.0	44.0	1.0	-55.3	-13.0	-42.3	
2806.00	-10.2	V	3.0	43.5	1.0	-52.8	-13.0	-39.8	
1403.00	-17.3	H	3.0	43.0	1.0	-59.3	-13.0	-46.3	
2104.50	-13.0	H	3.0	44.0	1.0	-56.0	-13.0	-43.0	
2806.00	-10.1	H	3.0	43.5	1.0	-52.6	-13.0	-39.6	
Mid Ch, 707.5MHz									
1415.00	-16.0	V	3.0	43.0	1.0	-58.0	-13.0	-45.0	
2122.50	-12.1	V	3.0	44.0	1.0	-55.1	-13.0	-42.1	
2830.00	-10.2	V	3.0	43.5	1.0	-52.7	-13.0	-39.7	
1415.00	-17.2	H	3.0	43.0	1.0	-59.2	-13.0	-46.2	
2122.50	-13.0	H	3.0	44.0	1.0	-56.0	-13.0	-43.0	
2830.00	-10.2	H	3.0	43.5	1.0	-52.8	-13.0	-39.8	
High Ch, 713.5MHz									
1427.00	-15.9	V	3.0	43.0	1.0	-57.9	-13.0	-44.9	
2133.00	-11.8	V	3.0	44.0	1.0	-54.8	-13.0	-41.8	
2854.00	-10.3	V	3.0	43.5	1.0	-52.8	-13.0	-39.8	
1427.00	-17.2	H	3.0	43.0	1.0	-59.3	-13.0	-46.3	
2133.00	-12.8	H	3.0	44.0	1.0	-55.8	-13.0	-42.8	
2854.00	-10.1	H	3.0	43.5	1.0	-52.6	-13.0	-39.6	

LTE Band 13

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
Company:		Samsung								
Project #:		4791754791								
Date:		2025-05-13								
Test Engineer:		24542								
Configuration:		EUT / X-Position								
Location:		Chamber 1								
Mode:		LTE_QPSK Band 13 Harmonics, 5MHz Bandwidth								
Test Votage:		AC 120 V, 60 Hz								
5 MHz QPSK ANT A	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	-25.4	V	3.0	43.3	1.0	-67.6	-40.0	-27.6	
	2338.50	-8.4	V	3.0	43.9	1.0	-51.3	-13.0	-38.3	
	3118.00	-9.4	V	3.0	43.5	1.0	-51.9	-13.0	-38.9	
	1559.00	-26.2	H	3.0	43.3	1.0	-68.5	-40.0	-28.5	
	2338.50	-6.8	H	3.0	43.9	1.0	-49.7	-13.0	-36.7	
	3118.00	-9.4	H	3.0	43.5	1.0	-52.0	-13.0	-39.0	
	Mid Ch, 782MHz									
	1564.00	-25.2	V	3.0	43.3	1.0	-67.5	-40.0	-27.5	
	2346.00	-8.1	V	3.0	43.9	1.0	-51.0	-13.0	-38.0	
	3128.00	-9.6	V	3.0	43.5	1.0	-52.1	-13.0	-39.1	
	1564.00	-26.4	H	3.0	43.3	1.0	-68.7	-40.0	-28.7	
	2346.00	-5.8	H	3.0	43.9	1.0	-48.7	-13.0	-35.7	
	3128.00	-9.2	H	3.0	43.5	1.0	-51.7	-13.0	-38.7	
	High Ch, 784.5MHz									
	1569.00	-25.2	V	3.0	43.3	1.0	-67.5	-40.0	-27.5	
	2353.50	-5.4	V	3.0	43.9	1.0	-48.3	-13.0	-35.3	
	3138.00	-9.6	V	3.0	43.6	1.0	-52.2	-13.0	-39.2	
	1569.00	-26.7	H	3.0	43.3	1.0	-69.1	-40.0	-29.1	
	2353.50	-5.9	H	3.0	43.9	1.0	-48.7	-13.0	-35.7	
	3138.00	-9.2	H	3.0	43.6	1.0	-51.7	-13.0	-38.7	

LTE Band 41 (PC3)

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
Company:		Samsung								
Project #:		4791754791								
Date:		2025-05-16								
Test Engineer:		24542								
Configuration:		EUT / AC Adapter, Y-Position								
Location:		Chamber 1								
Mode:		LTE_QPSK Band 41 Harmonics, 20MHz Bandwidth								
Test Votage:		AC 120 V, 60 Hz								
20 MHz QPSK ANT A	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2506MHz									
	5012.00	-16.2	V	3.0	44.6	1.0	-59.8	-25.0	-34.8	
	7518.00	-13.5	V	3.0	44.7	1.0	-57.3	-25.0	-32.3	
	10024.00	-9.7	V	3.0	42.9	1.0	-51.6	-25.0	-26.6	
	5012.00	-16.0	H	3.0	44.6	1.0	-59.6	-25.0	-34.6	
	7518.00	-13.4	H	3.0	44.7	1.0	-57.2	-25.0	-32.2	
	10024.00	-10.0	H	3.0	42.9	1.0	-51.9	-25.0	-26.9	
	Mid Ch, 2593MHz									
	5186.00	-13.9	V	3.0	44.6	1.0	-57.4	-25.0	-32.4	
	7779.00	-11.8	V	3.0	44.5	1.0	-55.4	-25.0	-30.4	
	10372.00	-7.5	V	3.0	42.9	1.0	-49.4	-25.0	-24.4	
	5186.00	-13.6	H	3.0	44.6	1.0	-57.2	-25.0	-32.2	
	7779.00	-10.4	H	3.0	44.5	1.0	-54.0	-25.0	-29.0	
	10372.00	-8.2	H	3.0	42.9	1.0	-50.1	-25.0	-25.1	
	High Ch, 2680MHz									
	5360.00	-15.7	V	3.0	44.6	1.0	-59.4	-25.0	-34.4	
	8040.00	-13.2	V	3.0	44.4	1.0	-56.6	-25.0	-31.6	
	10720.00	-9.3	V	3.0	42.9	1.0	-51.2	-25.0	-26.2	
	5360.00	-15.2	H	3.0	44.6	1.0	-58.8	-25.0	-33.8	
	8040.00	-12.7	H	3.0	44.4	1.0	-56.1	-25.0	-31.1	
	10720.00	-9.4	H	3.0	42.9	1.0	-51.3	-25.0	-26.3	

LTE Band 66

5 MHz QPSK ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791754791									
	Date: 2025-05-15									
	Test Engineer: 24542									
	Configuration: EUT / AC Adapter, Z-Position									
	Location: Chamber 1									
	Mode: LTE_QPSK Band 66 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, 1712.5MHz									
	3425.00	-7.9	V	3.0	43.9	1.0	-50.8	-13.0	-37.8	
	5137.50	-6.2	V	3.0	44.6	1.0	-49.8	-13.0	-36.8	
	6850.00	-3.0	V	3.0	45.1	1.0	-47.1	-13.0	-34.1	
	3425.00	-7.9	H	3.0	43.9	1.0	-50.8	-13.0	-37.8	
	5137.50	-6.4	H	3.0	44.6	1.0	-50.0	-13.0	-37.0	
	6850.00	-3.1	H	3.0	45.1	1.0	-47.1	-13.0	-34.1	
	Mid Ch, 1745MHz									
	3490.00	-7.5	V	3.0	44.0	1.0	-50.4	-13.0	-37.4	
	5235.00	-6.3	V	3.0	44.6	1.0	-49.9	-13.0	-36.9	
	6980.00	-2.6	V	3.0	45.1	1.0	-46.7	-13.0	-33.7	
	3490.00	-7.6	H	3.0	44.0	1.0	-50.6	-13.0	-37.6	
	5235.00	-5.5	H	3.0	44.6	1.0	-49.1	-13.0	-36.1	
	6980.00	-2.9	H	3.0	45.1	1.0	-47.0	-13.0	-34.0	
High Ch, 1777.5MHz										
3555.00	-7.1	V	3.0	44.1	1.0	-50.1	-13.0	-37.1		
5332.50	-6.1	V	3.0	44.6	1.0	-49.7	-13.0	-36.7		
7110.00	-2.4	V	3.0	45.0	1.0	-46.4	-13.0	-33.4		
3555.00	-7.1	H	3.0	44.1	1.0	-50.1	-13.0	-37.1		
5332.50	-6.2	H	3.0	44.6	1.0	-49.8	-13.0	-36.8		
7110.00	-2.4	H	3.0	45.0	1.0	-46.4	-13.0	-33.4		
3 MHz QPSK ANT C	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791754791									
	Date: 2025-05-27									
	Test Engineer: 26087									
	Configuration: EUT / AC Adapter, Y-Position									
	Location: Chamber 1									
	Mode: LTE_QPSK Band 66 Harmonics, 3MHz 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, 1711.5MHz									
	3423.00	-8.3	V	3.0	43.9	1.0	-51.2	-13.0	-38.2	
	5134.50	-6.8	V	3.0	44.6	1.0	-50.4	-13.0	-37.4	
	6846.00	-3.3	V	3.0	45.0	1.0	-47.4	-13.0	-34.4	
	3423.00	-8.2	H	3.0	43.9	1.0	-51.1	-13.0	-38.1	
	5134.50	-6.9	H	3.0	44.6	1.0	-50.5	-13.0	-37.5	
	6846.00	-3.4	H	3.0	45.0	1.0	-47.4	-13.0	-34.4	
	Mid Ch, 1745MHz									
	3490.00	-7.9	V	3.0	44.0	1.0	-50.9	-13.0	-37.9	
	5235.00	-6.4	V	3.0	44.6	1.0	-50.0	-13.0	-37.0	
	6980.00	-3.1	V	3.0	45.1	1.0	-47.2	-13.0	-34.2	
	3490.00	-7.9	H	3.0	44.0	1.0	-50.9	-13.0	-37.9	
	5235.00	-6.4	H	3.0	44.6	1.0	-50.0	-13.0	-37.0	
	6980.00	-3.1	H	3.0	45.1	1.0	-47.2	-13.0	-34.2	
High Ch, 1778.5MHz										
3557.00	-7.5	V	3.0	44.1	1.0	-50.6	-13.0	-37.6		
5335.50	-6.1	V	3.0	44.6	1.0	-49.7	-13.0	-36.7		
7114.00	-2.8	V	3.0	45.0	1.0	-46.9	-13.0	-33.9		
3557.00	-7.5	H	3.0	44.1	1.0	-50.6	-13.0	-37.6		
5335.50	-6.2	H	3.0	44.6	1.0	-49.8	-13.0	-36.8		
7114.00	-2.9	H	3.0	45.0	1.0	-46.9	-13.0	-33.9		

NR Band n41 (PC3) DFT-s OFDM

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4791754791							
Date:		2025-05-20							
Test Engineer:		28775							
Configuration:		EUT / AC Adapter, Z-Position							
Location:		Chamber 2							
Mode:		5G NR_QPSK NR n41 Harmonics, 70MHz 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, 2531.01MHz									
5062.02	-15.9	V	3.0	43.3	1.0	-58.2	-25.0	-33.2	
7593.03	-14.3	V	3.0	42.9	1.0	-56.2	-25.0	-31.2	
10124.04	-11.1	V	3.0	41.5	1.0	-51.6	-25.0	-26.6	
12655.05	-6.7	V	3.0	39.9	1.0	-45.7	-25.0	-20.7	
15186.06	-2.6	V	3.0	40.2	1.0	-41.8	-25.0	-16.8	
5062.02	-15.2	H	3.0	43.3	1.0	-57.5	-25.0	-32.5	
7593.03	-14.7	H	3.0	42.9	1.0	-56.5	-25.0	-31.5	
10124.04	-11.2	H	3.0	41.5	1.0	-51.6	-25.0	-26.6	
12655.05	-6.5	H	3.0	39.9	1.0	-45.4	-25.0	-20.4	
15186.06	-2.7	H	3.0	40.2	1.0	-41.8	-25.0	-16.8	
Mid Ch, 2592.99MHz									
5185.98	-15.6	V	3.0	43.3	1.0	-57.9	-25.0	-32.9	
7778.97	-14.3	V	3.0	42.8	1.0	-56.1	-25.0	-31.1	
10371.96	-10.8	V	3.0	41.3	1.0	-51.1	-25.0	-26.1	
12964.95	-6.6	V	3.0	40.0	1.0	-45.6	-25.0	-20.6	
15557.94	-2.1	V	3.0	40.2	1.0	-41.3	-25.0	-16.3	
5185.98	-15.0	H	3.0	43.3	1.0	-57.3	-25.0	-32.3	
7778.97	-13.7	H	3.0	42.8	1.0	-55.5	-25.0	-30.5	
10371.96	-10.7	H	3.0	41.3	1.0	-50.9	-25.0	-25.9	
12964.95	-6.6	H	3.0	40.0	1.0	-45.5	-25.0	-20.5	
15557.94	-2.5	H	3.0	40.2	1.0	-41.7	-25.0	-16.7	
High Ch, 2655MHz									
5310.00	-15.6	V	3.0	43.3	1.0	-57.9	-25.0	-32.9	
7965.00	-13.6	V	3.0	42.6	1.0	-55.3	-25.0	-30.3	
10620.00	-10.1	V	3.0	41.0	1.0	-50.2	-25.0	-25.2	
13275.00	-6.5	V	3.0	40.0	1.0	-45.5	-25.0	-20.5	
15930.00	-1.6	V	3.0	40.3	1.0	-40.9	-25.0	-15.9	
5310.00	-14.7	H	3.0	43.3	1.0	-57.1	-25.0	-32.1	
7965.00	-14.1	H	3.0	42.6	1.0	-55.7	-25.0	-30.7	
10620.00	-10.5	H	3.0	41.0	1.0	-50.5	-25.0	-25.5	
13275.00	-6.4	H	3.0	40.0	1.0	-45.4	-25.0	-20.4	
15930.00	-1.5	H	3.0	40.3	1.0	-40.8	-25.0	-15.8	

10 MHz SRS2 ANT E	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791754791									
	Date: 2025-05-16									
	Test Engineer: 24542									
	Configuration: EUT / AC Adapter, Y-Position									
	Location: Chamber 1									
	Mode: 5G NR n41(SRS) 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, 2501.01MHz									
	5002.02	-16.1	V	3.0	44.6	1.0	-59.7	-25.0	-34.7	
	7503.03	-14.6	V	3.0	44.7	1.0	-58.4	-25.0	-33.4	
	10004.04	-11.2	V	3.0	42.9	1.0	-53.1	-25.0	-28.1	
	5002.02	-16.4	H	3.0	44.6	1.0	-60.0	-25.0	-35.0	
	7503.03	-14.7	H	3.0	44.7	1.0	-58.4	-25.0	-33.4	
	10004.04	-11.2	H	3.0	42.9	1.0	-53.1	-25.0	-28.1	
	Mid Ch, 2592.99MHz									
	5185.98	-14.6	V	3.0	44.6	1.0	-58.2	-25.0	-33.2	
	7778.97	-14.1	V	3.0	44.5	1.0	-57.7	-25.0	-32.7	
	10371.96	-10.9	V	3.0	42.9	1.0	-52.8	-25.0	-27.8	
	5185.98	-15.7	H	3.0	44.6	1.0	-59.3	-25.0	-34.3	
	7778.97	-13.6	H	3.0	44.5	1.0	-57.1	-25.0	-32.1	
	10371.96	-11.0	H	3.0	42.9	1.0	-52.9	-25.0	-27.9	
	High Ch, 2685MHz									
5370.00	-16.8	V	3.0	44.6	1.0	-60.4	-25.0	-35.4		
8055.00	-13.5	V	3.0	44.4	1.0	-56.9	-25.0	-31.9		
10740.00	-10.5	V	3.0	42.9	1.0	-52.4	-25.0	-27.4		
5370.00	-15.8	H	3.0	44.6	1.0	-59.4	-25.0	-34.4		
8055.00	-12.4	H	3.0	44.4	1.0	-55.8	-25.0	-30.8		
10740.00	-10.6	H	3.0	42.9	1.0	-52.5	-25.0	-27.5		
20 MHz SRS3 ANT C	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791754791									
	Date: 2025-05-19									
	Test Engineer: 24542									
	Configuration: EUT / Y-Position									
	Location: Chamber 1									
	Mode: 5G NR n41(SRS) Harmonics, 20MHz 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, 2506.01MHz									
	5012.02	-18.1	V	3.0	44.6	1.0	-61.7	-25.0	-36.7	
	7518.03	-15.8	V	3.0	44.7	1.0	-59.6	-25.0	-34.6	
	10024.04	-11.0	V	3.0	42.9	1.0	-52.9	-25.0	-27.9	
	5012.02	-18.7	H	3.0	44.6	1.0	-62.2	-25.0	-37.2	
	7518.03	-14.0	H	3.0	44.7	1.0	-57.7	-25.0	-32.7	
	10024.04	-10.8	H	3.0	42.9	1.0	-52.7	-25.0	-27.7	
	Mid Ch, 2592.99MHz									
	5185.98	-17.0	V	3.0	44.6	1.0	-60.6	-25.0	-35.6	
	7778.97	-13.0	V	3.0	44.5	1.0	-56.6	-25.0	-31.6	
	10371.96	-10.9	V	3.0	42.9	1.0	-52.7	-25.0	-27.7	
	5185.98	-17.5	H	3.0	44.6	1.0	-61.1	-25.0	-36.1	
	7778.97	-12.7	H	3.0	44.5	1.0	-56.3	-25.0	-31.3	
	10371.96	-10.9	H	3.0	42.9	1.0	-52.7	-25.0	-27.7	
	High Ch, 2680MHz									
5360.00	-16.7	V	3.0	44.6	1.0	-60.3	-25.0	-35.3		
8040.00	-13.5	V	3.0	44.4	1.0	-56.9	-25.0	-31.9		
10720.00	-10.1	V	3.0	42.9	1.0	-51.9	-25.0	-26.9		
5360.00	-16.5	H	3.0	44.6	1.0	-60.1	-25.0	-35.1		
8040.00	-12.2	H	3.0	44.4	1.0	-55.6	-25.0	-30.6		
10720.00	-10.3	H	3.0	42.9	1.0	-52.2	-25.0	-27.2		

NR Band n66 DFT-s OFDM

10 MHz QPSK ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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1745MHz</td></tr><tr><td>3490.00</td><td>-7.5</td><td>V</td><td>3.0</td><td>44.0</td><td>1.0</td><td>-50.5</td><td>-13.0</td><td>-37.5</td><td></td></tr><tr><td>5235.00</td><td>-6.2</td><td>V</td><td>3.0</td><td>44.6</td><td>1.0</td><td>-49.8</td><td>-13.0</td><td>-36.8</td><td></td></tr><tr><td>6980.00</td><td>-2.9</td><td>V</td><td>3.0</td><td>45.1</td><td>1.0</td><td>-47.0</td><td>-13.0</td><td>-34.0</td><td></td></tr><tr><td>3490.00</td><td>-7.7</td><td>H</td><td>3.0</td><td>44.0</td><td>1.0</td><td>-50.7</td><td>-13.0</td><td>-37.7</td><td></td></tr><tr><td>5235.00</td><td>-6.3</td><td>H</td><td>3.0</td><td>44.6</td><td>1.0</td><td>-49.9</td><td>-13.0</td><td>-36.9</td><td></td></tr><tr><td>6980.00</td><td>-2.9</td><td>H</td><td>3.0</td><td>45.1</td><td>1.0</td><td>-47.0</td><td>-13.0</td><td>-34.0</td><td></td></tr><tr><td colspan="10">High Ch, 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Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	Low Ch, 1715MHz										3430.00	-7.9	V	3.0	43.9	1.0	-50.9	-13.0	-37.9		5145.00	-6.4	V	3.0	44.6	1.0	-50.0	-13.0	-37.0		6860.00	-3.0	V	3.0	45.1	1.0	-47.1	-13.0	-34.1		3430.00	-8.1	H	3.0	43.9	1.0	-51.1	-13.0	-38.1		5145.00	-6.6	H	3.0	44.6	1.0	-50.2	-13.0	-37.2		6860.00	-3.2	H	3.0	45.1	1.0	-47.2	-13.0	-34.2		Mid Ch, 1745MHz										3490.00	-7.5	V	3.0	44.0	1.0	-50.5	-13.0	-37.5		5235.00	-6.2	V	3.0	44.6	1.0	-49.8	-13.0	-36.8		6980.00	-2.9	V	3.0	45.1	1.0	-47.0	-13.0	-34.0		3490.00	-7.7	H	3.0	44.0	1.0	-50.7	-13.0	-37.7		5235.00	-6.3	H	3.0	44.6	1.0	-49.9	-13.0	-36.9		6980.00	-2.9	H	3.0	45.1	1.0	-47.0	-13.0	-34.0		High Ch, 1775MHz										3550.00	-7.4	V	3.0	44.1	1.0	-50.5	-13.0	-37.5		5325.00	-6.0	V	3.0	44.6	1.0	-49.6	-13.0	-36.6		7100.00	-2.5	V	3.0	45.0	1.0	-46.6	-13.0	-33.6		3550.00	-7.2	H	3.0	44.1	1.0	-50.2	-13.0	-37.2		5325.00	-6.0	H	3.0	44.6	1.0	-49.6	-13.0	-36.6		7100.00	-2.7	H	3.0	45.0	1.0	-46.7	-13.0	-33.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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