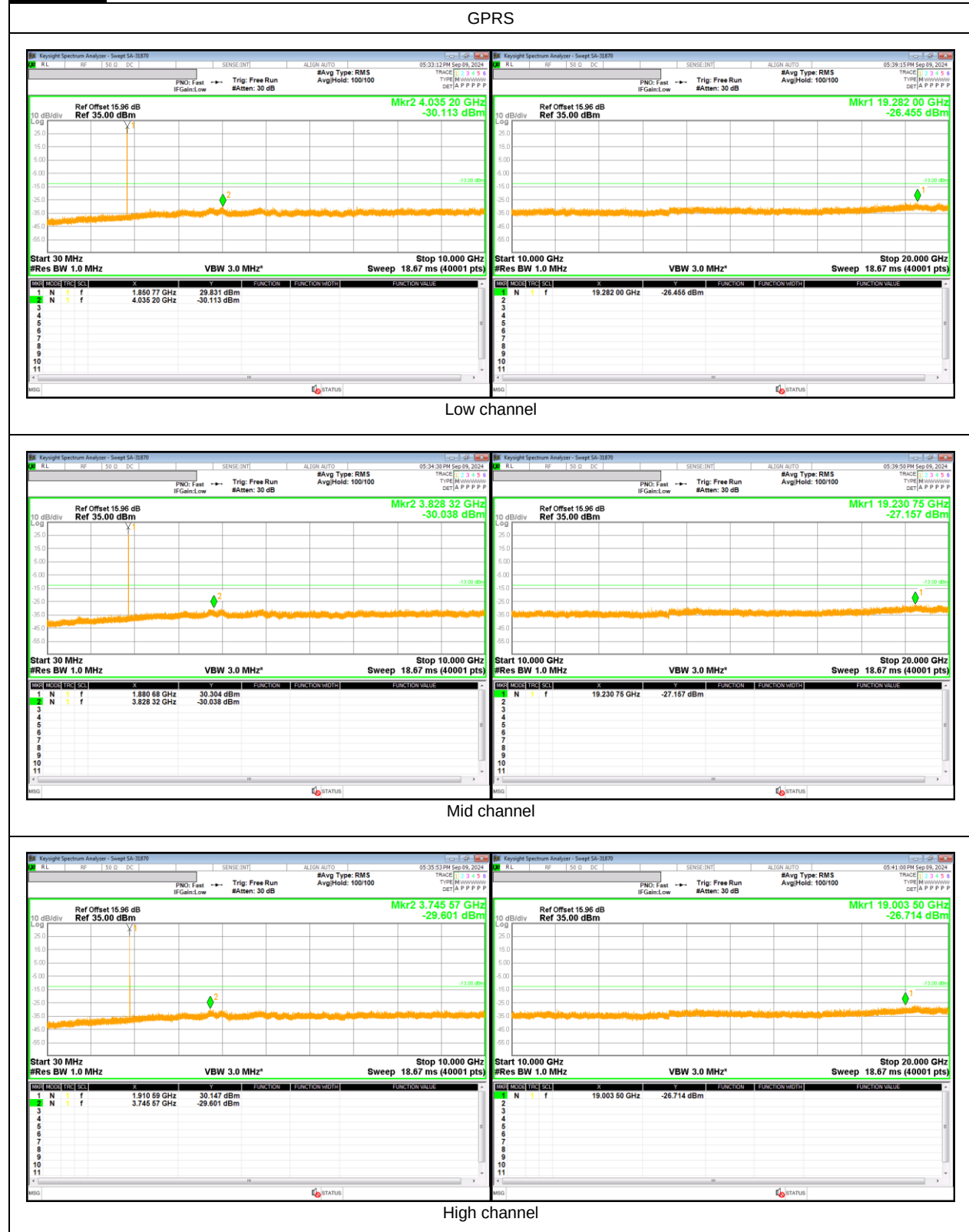


8.5.1. OUT OF BAND EMISSIONS RESULT

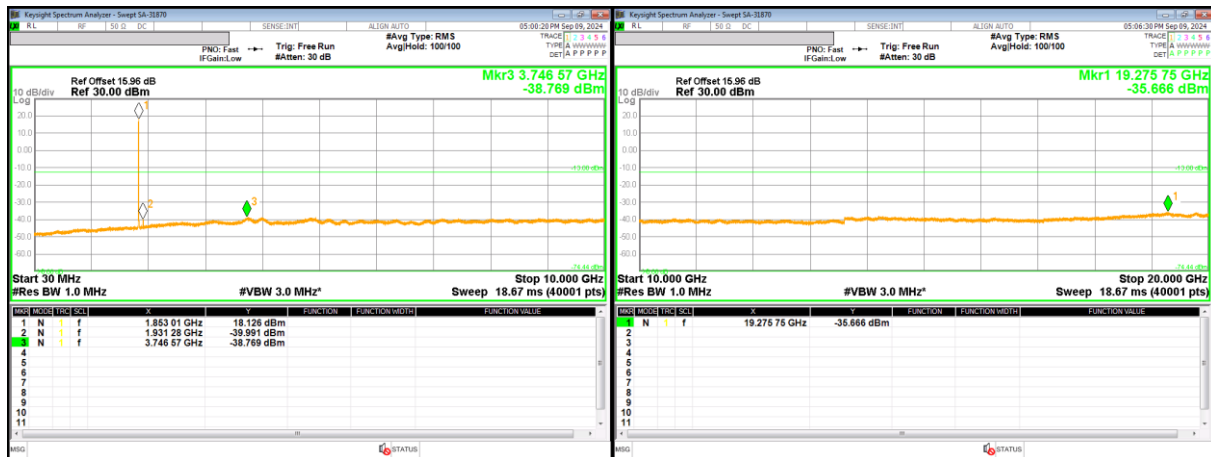
GSM 1900

GPRS

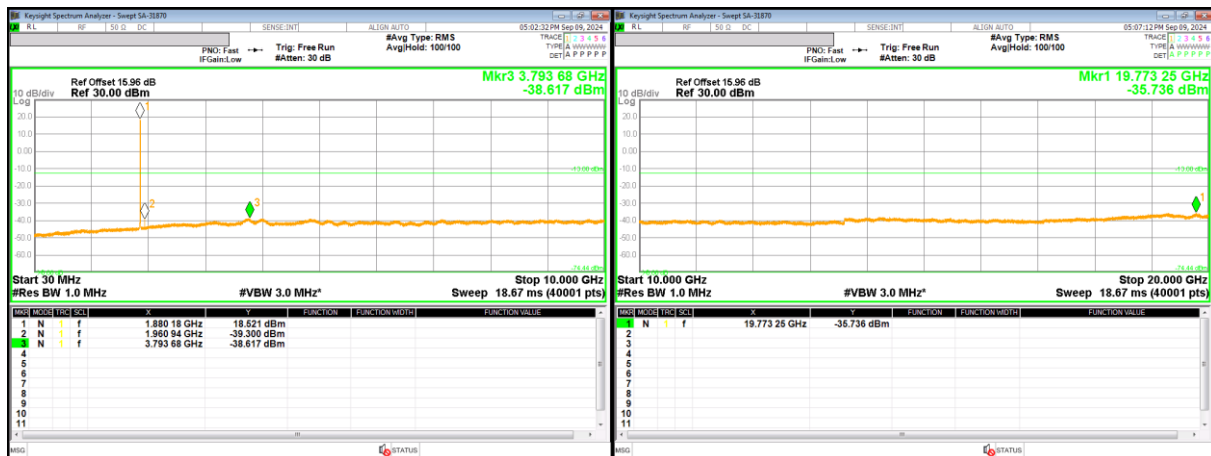


WCDMA Band 2

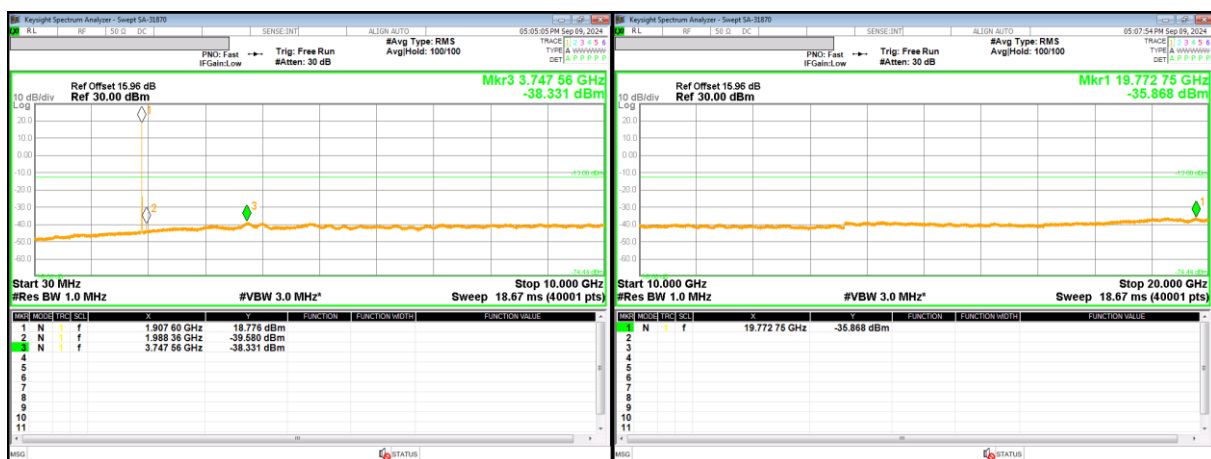
REL99



Low channel



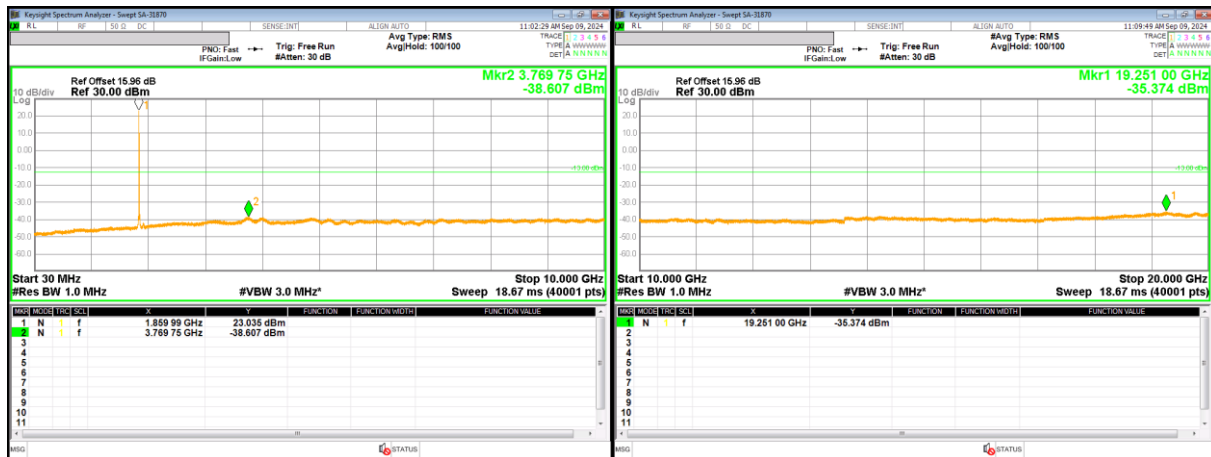
Mid channel



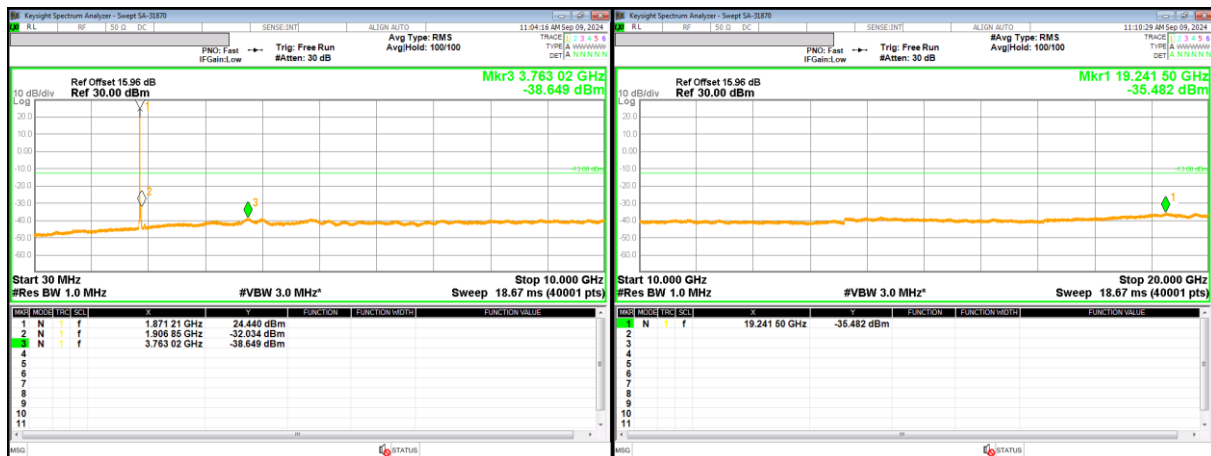
High channel

LTE Band 2 (ANT A)

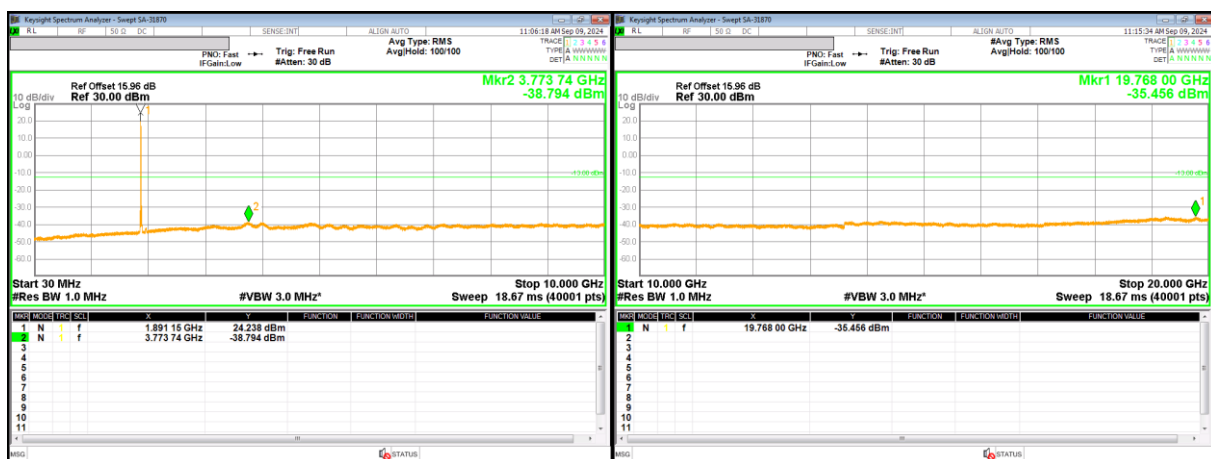
20MHz QPSK



Low channel



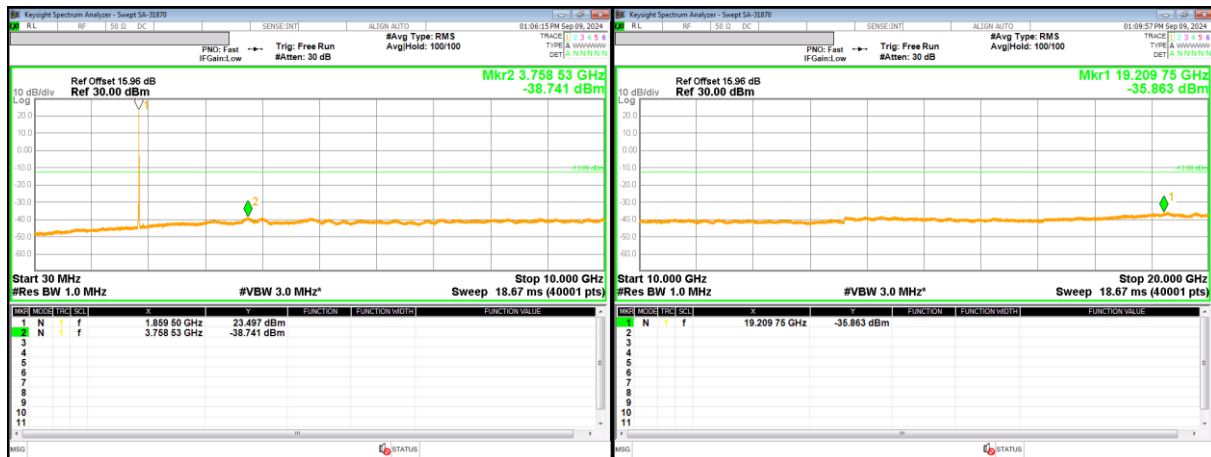
Mid channel



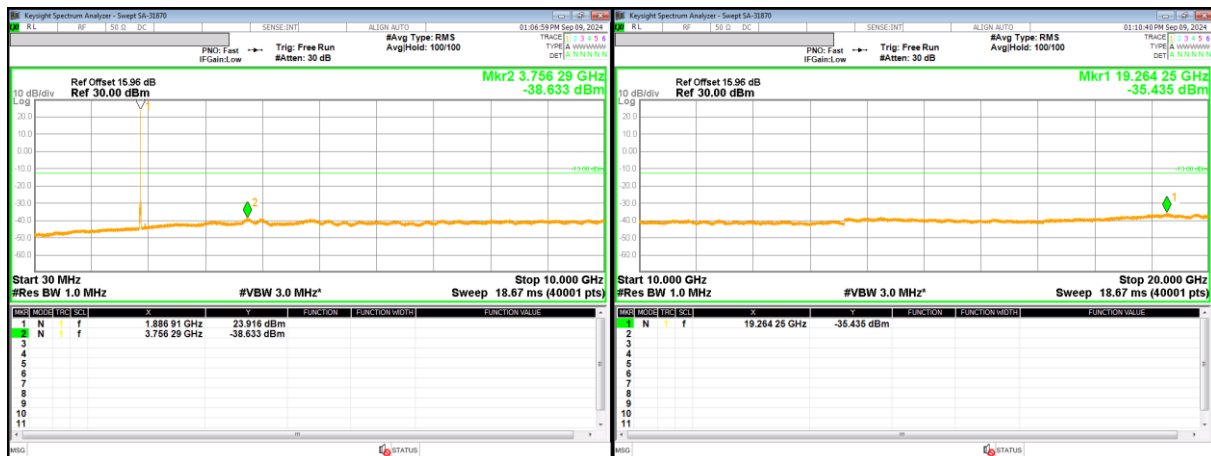
High channel

LTE Band 25 (ANT A)

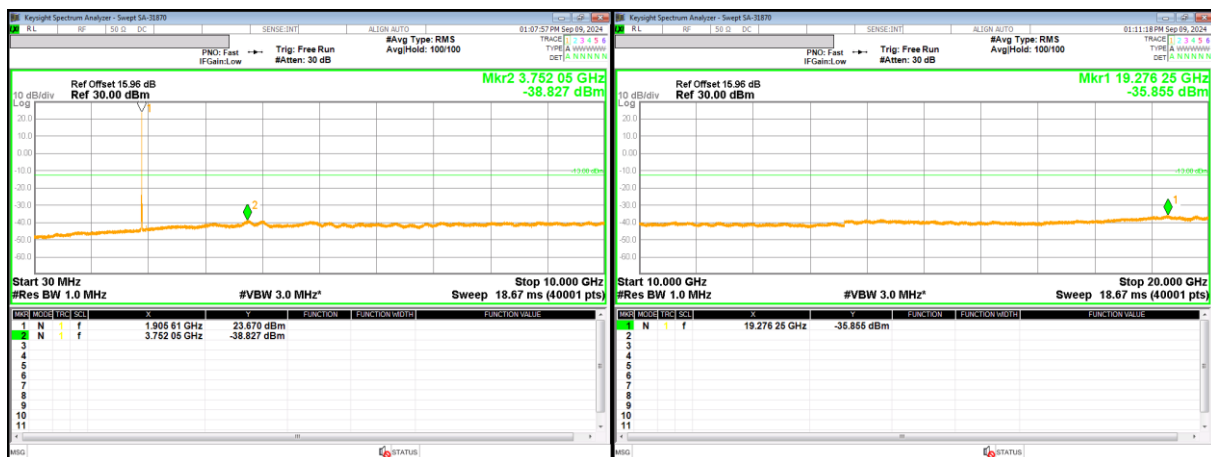
10MHz QPSK



Low channel



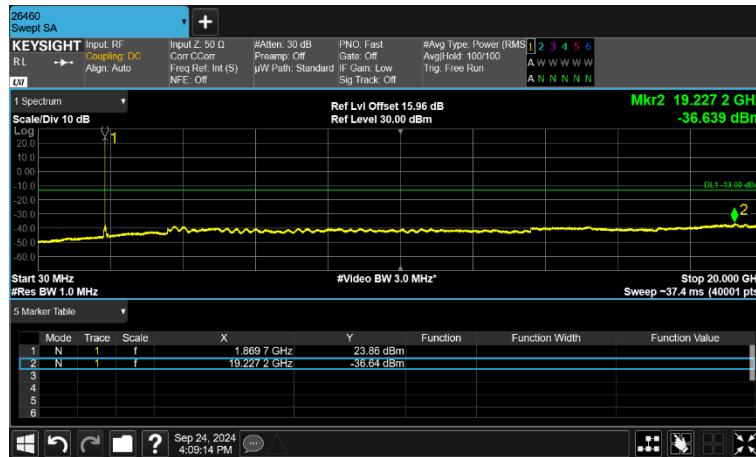
Mid channel



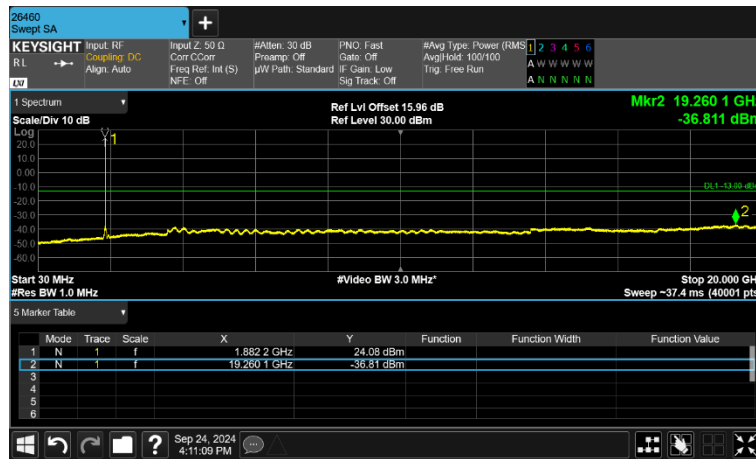
High channel

NR Band n25 (ANT A)

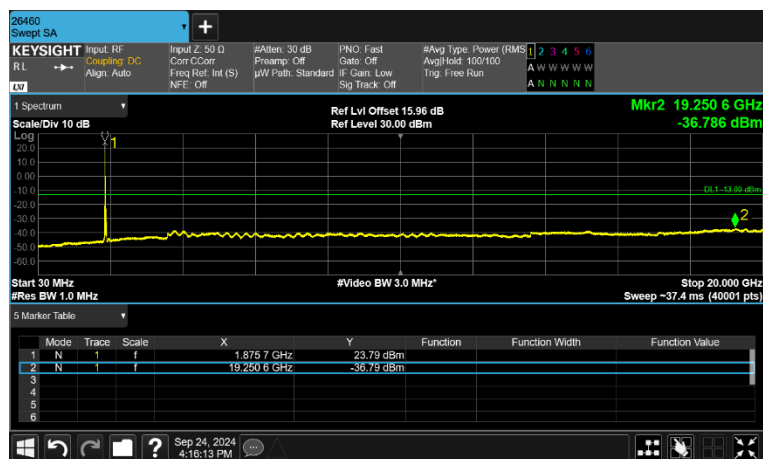
40MHz QPSK



Low channel



Mid channel



High channel

8.6. FREQUENCY STABILITY

RULE PART(S)

FCC: §2.1055, §24.235

LIMITS

§24.235

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

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

GSM 1900, Channel 512/810, Frequency 1850.0/1910.0 MHz
(Lowest Frequency: EGPRS / Highest Frequency: EGPRS)

Test Date	2024-09-02
Test Engineer	31870

Limit		1850	1910	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	1850.0738	1909.9226		
Extreme (50C)		1850.0739	1909.9227	52.1	0.028
Extreme (40C)		1850.0739	1909.9227	39.4	0.021
Extreme (30C)		1850.0739	1909.9227	31.5	0.017
Extreme (10C)		1850.0739	1909.9227	20.2	0.011
Extreme (0C)		1850.0739	1909.9227	31.3	0.017
Extreme (-10C)		1850.0739	1909.9227	26.4	0.014
Extreme (-20C)		1850.0739	1909.9227	37.2	0.020
Extreme (-30C)		1850.0739	1909.9227	41.2	0.022
20C	15%	1850.0739	1909.9227	28.8	0.015
	-15%	1850.0739	1909.9227	51.3	0.027
	End Point	1850.0739	1909.9227	55.1	0.029

WCDMA Band 2 (Lowest Frequency: HSDPA / Highest Frequency: HSDPA)

Test Date	2024-09-03
Test Engineer	31870

Limit		1850	1910	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	1850.3095	1909.6945		
Extreme (50C)		1850.3096	1909.6946	63.2	0.034
Extreme (40C)		1850.3096	1909.6946	55.2	0.029
Extreme (30C)		1850.3096	1909.6946	51.6	0.027
Extreme (10C)		1850.3095	1909.6945	41.2	0.022
Extreme (0C)		1850.3095	1909.6945	33.0	0.018
Extreme (-10C)		1850.3095	1909.6945	41.2	0.022
Extreme (-20C)		1850.3095	1909.6945	38.2	0.020
Extreme (-30C)		1850.3095	1909.6945	49.9	0.027
20C	15%	1850.3096	1909.6945	38.4	0.020
	-15%	1850.3096	1909.6945	26.3	0.014
	End Point	1850.3096	1909.6945	41.2	0.022

LTE Band 2 (Lowest Frequency: 16QAM / Highest Frequency: 16QAM)

Test Date	2024-09-05
Test Engineer	31870

Limit		1850	1910	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	1850.1565	1909.8440		
Extreme (50C)		1850.1565	1909.8440	35.5	0.019
Extreme (40C)		1850.1565	1909.8440	28.3	0.015
Extreme (30C)		1850.1565	1909.8440	30.2	0.016
Extreme (10C)		1850.1565	1909.8440	29.9	0.016
Extreme (0C)		1850.1565	1909.8440	21.3	0.011
Extreme (-10C)		1850.1565	1909.8440	25.3	0.013
Extreme (-20C)		1850.1565	1909.8440	30.6	0.016
Extreme (-30C)		1850.1565	1909.8440	31.3	0.017
20C	15%	1850.1565	1909.8440	28.5	0.015
	-15%	1850.1565	1909.8440	14.3	0.008
	End Point	1850.1565	1909.8440	21.3	0.011

LTE Band 25 (Lowest Frequency: 16QAM / Highest Frequency: 16QAM)

Test Date	2024-09-09
Test Engineer	31870

Limit		1850	1915	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	1850.1565	1914.8450		
Extreme (50C)		1850.1565	1914.8450	38.3	0.020
Extreme (40C)		1850.1565	1914.8450	36.1	0.019
Extreme (30C)		1850.1565	1914.8450	29.5	0.016
Extreme (10C)		1850.1565	1914.8450	26.3	0.014
Extreme (0C)		1850.1565	1914.8450	30.1	0.016
Extreme (-10C)		1850.1565	1914.8450	29.4	0.016
Extreme (-20C)		1850.1565	1914.8450	33.1	0.018
Extreme (-30C)		1850.1565	1914.8450	34.8	0.018
20C	15%	1850.1565	1914.8450	29.1	0.015
	-15%	1850.1565	1914.8450	20.3	0.011
	End Point	1850.1565	1914.8450	18.3	0.010

NR Band n25 (Lowest Frequency: 16QAM / Highest Frequency: 16QAM)

Test Date	2024-09-20
Test Engineer	31870

Limit		1850	1915	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	1850.2540	1914.7470		
Extreme (50C)		1850.2541	1914.7471	52.3	0.028
Extreme (40C)		1850.2540	1914.7470	48.5	0.026
Extreme (30C)		1850.2540	1914.7470	40.3	0.021
Extreme (10C)		1850.2540	1914.7470	39.9	0.021
Extreme (0C)		1850.2540	1914.7470	35.6	0.019
Extreme (-10C)		1850.2540	1914.7470	36.4	0.019
Extreme (-20C)		1850.2540	1914.7470	40.2	0.021
Extreme (-30C)		1850.2540	1914.7470	41.3	0.022
20C	15%	1850.2541	1914.7470	49.8	0.026
	-15%	1850.2540	1914.7470	29.4	0.016
	End Point	1850.2540	1914.7470	21.3	0.011

9. RADIATED RESULTS

9.1. RADIATED POWER (EIRP)

RULE PART(S)

FCC: §2.1046, §24.232

LIMITS

§24.232(c)

Mobile/portable stations are limited to 2 watts e.i.r.p. peak power and the equipment must employ means to limit the 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 $\geq 2 \times$ OBW;
- d) Sweep time = auto couple or 1 second;
- e) Detector = rms;
- f) Ensure that the number of measurement points $\geq$ span/RBW;
- g) Trace Mode = max hold(GSM,WCDMA), average(LTE, 5G NR);

TEST RESULTS

See the following pages.

9.1.1. EIRP RESULT

GSM

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)
GSM 1900	GPRS	1850.20	25.15	H	4.48	9.52	30.19	1044.72	33.00	-2.81
		1880.00	25.57	H	4.52	9.29	30.33	1078.95	33.00	-2.67
		1909.80	26.40	H	4.55	9.00	30.85	1216.19	33.00	-2.15
	EGPRS	1850.20	20.99	H	4.48	9.52	26.03	400.87	33.00	-6.97
		1880.00	21.44	H	4.52	9.29	26.20	416.87	33.00	-6.80
		1909.80	22.68	H	4.55	9.00	27.13	516.42	33.00	-5.87

WCDMA Band 2

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 2	REL99	1852.40	19.39	H	4.49	9.51	24.40	275.42	33.00	-8.60
		1880.00	19.91	H	4.52	9.29	24.67	293.09	33.00	-8.33
		1907.60	20.34	H	4.55	9.03	24.82	303.39	33.00	-8.18
	HSDPA	1852.40	18.49	H	4.49	9.51	23.50	223.87	33.00	-9.50
		1880.00	19.32	H	4.52	9.29	24.08	255.86	33.00	-8.92
		1907.60	20.09	H	4.55	9.03	24.57	286.42	33.00	-8.43

LTE Band 2 (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	1860.00	19.70	H	4.49	9.45	24.65	291.74	33.00	-8.35	1/49
		1880.00	19.84	H	4.52	9.29	24.61	289.07	33.00	-8.39	1/0
		1900.00	20.17	H	4.54	9.13	24.76	299.23	33.00	-8.24	1/0
	16-QAM	1860.00	18.82	H	4.49	9.45	23.77	238.23	33.00	-9.23	1/99
		1880.00	18.75	H	4.52	9.29	23.52	224.91	33.00	-9.48	1/0
		1900.00	19.48	H	4.54	9.13	24.07	255.27	33.00	-8.93	1/0
15	QPSK	1857.50	18.72	H	4.49	9.47	23.70	234.42	33.00	-9.30	1/37
		1880.00	19.43	H	4.52	9.29	24.20	263.03	33.00	-8.80	1/0
		1902.50	19.65	H	4.54	9.10	24.20	263.03	33.00	-8.80	1/0
	16-QAM	1857.50	18.12	H	4.49	9.47	23.09	203.70	33.00	-9.91	1/74
		1880.00	18.58	H	4.52	9.29	23.35	216.27	33.00	-9.65	1/37
		1902.50	19.11	H	4.54	9.10	23.66	232.27	33.00	-9.34	1/0
10	QPSK	1855.00	18.97	H	4.49	9.48	23.96	248.89	33.00	-9.04	1/25
		1880.00	19.78	H	4.52	9.29	24.55	285.10	33.00	-8.45	1/49
		1905.00	20.08	H	4.55	9.06	24.60	288.40	33.00	-8.40	1/49
	16-QAM	1855.00	18.41	H	4.49	9.48	23.41	219.28	33.00	-9.59	1/25
		1880.00	18.80	H	4.52	9.29	23.57	227.51	33.00	-9.43	1/0
		1905.00	19.38	H	4.55	9.06	23.90	245.47	33.00	-9.10	1/49
5	QPSK	1852.50	18.70	H	4.49	9.50	23.71	234.96	33.00	-9.29	1/24
		1880.00	19.84	H	4.52	9.29	24.61	289.07	33.00	-8.39	1/0
		1907.50	20.02	H	4.55	9.03	24.50	281.84	33.00	-8.50	1/24
	16-QAM	1852.50	17.91	H	4.49	9.50	22.93	196.34	33.00	-10.07	1/24
		1880.00	19.01	H	4.52	9.29	23.78	238.78	33.00	-9.22	1/12
		1907.50	19.22	H	4.55	9.03	23.70	234.42	33.00	-9.30	1/24
3	QPSK	1851.50	18.24	H	4.49	9.51	23.26	211.84	33.00	-9.74	1/8
		1880.00	19.64	H	4.52	9.29	24.41	276.06	33.00	-8.59	1/0
		1908.50	19.58	H	4.55	9.02	24.04	253.51	33.00	-8.96	1/14
	16-QAM	1851.50	17.54	H	4.49	9.51	22.56	180.30	33.00	-10.44	1/8
		1880.00	18.70	H	4.52	9.29	23.46	221.82	33.00	-9.54	1/14
		1908.50	18.98	H	4.55	9.02	23.44	220.80	33.00	-9.56	1/0
1.4	QPSK	1850.70	18.66	H	4.48	9.52	23.69	233.88	33.00	-9.31	1/3
		1880.00	19.67	H	4.52	9.29	24.44	277.97	33.00	-8.56	1/5
		1909.30	19.73	H	4.55	9.00	24.18	261.82	33.00	-8.82	1/5
	16-QAM	1850.70	17.84	H	4.48	9.52	22.87	193.64	33.00	-10.13	1/3
		1880.00	18.75	H	4.52	9.29	23.52	224.91	33.00	-9.48	1/5
		1909.30	18.75	H	4.55	9.00	23.20	208.93	33.00	-9.80	1/5

LTE Band 2 (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	1860.00	11.56	H	4.49	9.45	16.52	44.87	33.00	-16.48	1/0
		1880.00	12.39	H	4.52	9.29	17.16	52.00	33.00	-15.84	1/99
		1900.00	12.08	H	4.54	9.13	16.67	46.45	33.00	-16.33	1/0
	16-QAM	1860.00	10.51	H	4.49	9.45	15.47	35.24	33.00	-17.53	1/49
		1880.00	11.22	H	4.52	9.29	15.99	39.72	33.00	-17.01	1/49
		1900.00	10.96	H	4.54	9.13	15.55	35.89	33.00	-17.45	1/0
15	QPSK	1857.50	11.33	H	4.49	9.47	16.30	42.66	33.00	-16.70	1/0
		1880.00	12.29	H	4.52	9.29	17.06	50.82	33.00	-15.94	1/74
		1902.50	11.92	H	4.54	9.10	16.48	44.46	33.00	-16.52	1/0
	16-QAM	1857.50	10.11	H	4.49	9.47	15.08	32.21	33.00	-17.92	1/0
		1880.00	11.50	H	4.52	9.29	16.27	42.36	33.00	-16.73	1/37
		1902.50	10.60	H	4.54	9.10	15.16	32.81	33.00	-17.84	1/37
10	QPSK	1855.00	11.29	H	4.49	9.48	16.28	42.46	33.00	-16.72	1/0
		1880.00	12.28	H	4.52	9.29	17.05	50.70	33.00	-15.95	1/49
		1905.00	12.00	H	4.55	9.06	16.52	44.87	33.00	-16.48	1/0
	16-QAM	1855.00	10.07	H	4.49	9.48	15.06	32.06	33.00	-17.94	1/49
		1880.00	11.40	H	4.52	9.29	16.17	41.40	33.00	-16.83	1/25
		1905.00	10.42	H	4.55	9.06	14.94	31.19	33.00	-18.06	1/25
5	QPSK	1852.50	11.22	H	4.49	9.50	16.23	41.98	33.00	-16.77	1/0
		1880.00	12.28	H	4.52	9.29	17.05	50.70	33.00	-15.95	1/12
		1907.50	11.90	H	4.55	9.03	16.38	43.45	33.00	-16.62	1/0
	16-QAM	1852.50	10.32	H	4.49	9.50	15.33	34.12	33.00	-17.67	1/24
		1880.00	11.44	H	4.52	9.29	16.21	41.78	33.00	-16.79	1/0
		1907.50	10.37	H	4.55	9.03	14.85	30.55	33.00	-18.15	1/0
3	QPSK	1851.50	11.21	H	4.49	9.51	16.24	42.07	33.00	-16.76	1/14
		1880.00	12.22	H	4.52	9.29	16.99	50.00	33.00	-16.01	1/0
		1908.50	11.88	H	4.55	9.02	16.35	43.15	33.00	-16.65	1/14
	16-QAM	1851.50	9.96	H	4.49	9.51	14.99	31.55	33.00	-18.01	1/14
		1880.00	10.97	H	4.52	9.29	15.74	37.50	33.00	-17.26	1/14
		1908.50	10.30	H	4.55	9.02	14.77	29.99	33.00	-18.23	1/0
1.4	QPSK	1850.70	11.20	H	4.48	9.52	16.23	41.98	33.00	-16.77	1/0
		1880.00	12.28	H	4.52	9.29	17.05	50.70	33.00	-15.95	1/3
		1909.30	11.98	H	4.55	9.00	16.43	43.95	33.00	-16.57	1/0
	16-QAM	1850.70	9.95	H	4.48	9.52	14.98	31.48	33.00	-18.02	1/5
		1880.00	11.41	H	4.52	9.29	16.18	41.50	33.00	-16.82	1/5
		1909.30	10.53	H	4.55	9.00	14.98	31.48	33.00	-18.02	1/5

LTE Band 25 (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	1860.00	18.87	H	4.49	9.45	23.83	241.55	33.00	-9.17	1/49
		1882.50	19.66	H	4.52	9.27	24.41	276.06	33.00	-8.59	1/99
		1905.00	19.39	H	4.55	9.06	23.90	245.47	33.00	-9.10	1/0
	16-QAM	1860.00	18.05	H	4.49	9.45	23.00	199.53	33.00	-10.00	1/99
		1882.50	18.64	H	4.52	9.27	23.39	218.27	33.00	-9.61	1/49
		1905.00	18.51	H	4.55	9.06	23.03	200.91	33.00	-9.97	1/0
15	QPSK	1857.50	18.73	H	4.49	9.47	23.71	234.96	33.00	-9.29	1/37
		1882.50	19.18	H	4.52	9.27	23.93	247.17	33.00	-9.07	1/37
		1907.50	19.57	H	4.55	9.03	24.05	254.10	33.00	-8.95	1/0
	16-QAM	1857.50	18.06	H	4.49	9.47	23.04	201.37	33.00	-9.96	1/74
		1882.50	18.14	H	4.52	9.27	22.89	194.54	33.00	-10.11	1/37
		1907.50	18.61	H	4.55	9.03	23.09	203.70	33.00	-9.91	1/37
10	QPSK	1855.00	18.47	H	4.49	9.48	23.46	221.82	33.00	-9.54	1/49
		1882.50	19.17	H	4.52	9.27	23.92	246.60	33.00	-9.08	1/49
		1910.00	19.14	H	4.55	8.99	23.59	228.56	33.00	-9.41	1/0
	16-QAM	1855.00	17.34	H	4.49	9.48	22.33	171.00	33.00	-10.67	1/49
		1882.50	18.50	H	4.52	9.27	23.25	211.35	33.00	-9.75	1/25
		1910.00	18.27	H	4.55	8.99	22.71	186.64	33.00	-10.29	1/25
5	QPSK	1852.50	18.26	H	4.49	9.50	23.27	212.32	33.00	-9.73	1/24
		1882.50	18.78	H	4.52	9.27	23.53	225.42	33.00	-9.47	1/12
		1912.50	19.02	H	4.56	8.96	23.42	219.79	33.00	-9.58	1/0
	16-QAM	1852.50	17.55	H	4.49	9.50	22.57	180.72	33.00	-10.43	1/0
		1882.50	17.97	H	4.52	9.27	22.71	186.64	33.00	-10.29	1/0
		1912.50	18.29	H	4.56	8.96	22.69	185.78	33.00	-10.31	1/12
3	QPSK	1851.50	18.01	H	4.49	9.51	23.04	201.37	33.00	-9.96	1/14
		1882.50	19.05	H	4.52	9.27	23.80	239.88	33.00	-9.20	1/14
		1913.50	18.79	H	4.56	8.95	23.18	207.97	33.00	-9.82	1/0
	16-QAM	1851.50	16.93	H	4.49	9.51	21.95	156.68	33.00	-11.05	1/14
		1882.50	18.25	H	4.52	9.27	23.00	199.53	33.00	-10.00	1/0
		1913.50	18.10	H	4.56	8.95	22.49	177.42	33.00	-10.51	1/8
1.4	QPSK	1850.70	18.03	H	4.48	9.52	23.07	202.77	33.00	-9.93	1/0
		1882.50	19.10	H	4.52	9.27	23.85	242.66	33.00	-9.15	1/0
		1914.30	18.02	H	4.56	8.94	22.40	173.78	33.00	-10.60	1/3
	16-QAM	1850.70	17.27	H	4.48	9.52	22.30	169.82	33.00	-10.70	1/3
		1882.50	18.33	H	4.52	9.27	23.08	203.24	33.00	-9.92	1/0
		1914.30	17.25	H	4.56	8.94	21.63	145.55	33.00	-11.37	1/3

NR Band n2 (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
40	QPSK	1870.00	13.10	H	4.51	9.37	17.96	62.52	33.00	-15.04	1/108
		1880.00	12.87	H	4.52	9.29	17.64	58.08	33.00	-15.36	1/108
		1890.00	10.55	H	4.53	9.21	15.23	33.34	33.00	-17.77	1/108
	16-QAM	1870.00	11.94	H	4.51	9.37	16.80	47.86	33.00	-16.20	1/108
		1880.00	11.41	H	4.52	9.29	16.18	41.50	33.00	-16.82	1/108
		1890.00	9.34	H	4.53	9.21	14.02	25.23	33.00	-18.98	1/108
30	QPSK	1865.00	12.93	H	4.50	9.41	17.84	60.81	33.00	-15.16	1/158
		1880.00	12.85	H	4.52	9.29	17.62	57.81	33.00	-15.38	1/80
		1895.00	10.71	H	4.54	9.17	15.35	34.28	33.00	-17.65	1/1
	16-QAM	1865.00	11.78	H	4.50	9.41	16.69	46.67	33.00	-16.31	1/158
		1880.00	11.29	H	4.52	9.29	16.06	40.36	33.00	-16.94	1/80
		1895.00	9.59	H	4.54	9.17	14.23	26.49	33.00	-18.77	1/1
25	QPSK	1862.50	12.64	H	4.50	9.43	17.57	57.15	33.00	-15.43	1/131
		1880.00	12.87	H	4.52	9.29	17.64	58.08	33.00	-15.36	1/67
		1897.50	10.54	H	4.54	9.15	15.16	32.81	33.00	-17.84	1/1
	16-QAM	1862.50	11.40	H	4.50	9.43	16.33	42.95	33.00	-16.67	1/131
		1880.00	11.30	H	4.52	9.29	16.07	40.46	33.00	-16.93	1/67
		1897.50	9.44	H	4.54	9.15	14.06	25.47	33.00	-18.94	1/1
20	QPSK	1860.00	12.47	H	4.49	9.45	17.43	55.34	33.00	-15.57	1/104
		1880.00	12.86	H	4.52	9.29	17.63	57.94	33.00	-15.37	1/53
		1900.00	10.39	H	4.54	9.13	14.98	31.48	33.00	-18.02	1/1
	16-QAM	1860.00	11.24	H	4.49	9.45	16.20	41.69	33.00	-16.80	1/104
		1880.00	11.26	H	4.52	9.29	16.03	40.09	33.00	-16.97	1/53
		1900.00	9.20	H	4.54	9.13	13.79	23.93	33.00	-19.21	1/1
15	QPSK	1857.50	12.40	H	4.49	9.47	17.37	54.58	33.00	-15.63	1/77
		1880.00	12.86	H	4.52	9.29	17.63	57.94	33.00	-15.37	1/40
		1902.50	10.23	H	4.54	9.10	14.79	30.13	33.00	-18.21	1/1
	16-QAM	1857.50	11.20	H	4.49	9.47	16.17	41.40	33.00	-16.83	1/77
		1880.00	11.27	H	4.52	9.29	16.04	40.18	33.00	-16.96	1/40
		1902.50	9.04	H	4.54	9.10	13.60	22.91	33.00	-19.40	1/1
10	QPSK	1855.00	12.39	H	4.49	9.48	17.38	54.70	33.00	-15.62	1/50
		1880.00	12.87	H	4.52	9.29	17.64	58.08	33.00	-15.36	1/26
		1905.00	10.32	H	4.55	9.06	14.84	30.48	33.00	-18.16	1/1
	16-QAM	1855.00	11.20	H	4.49	9.48	16.19	41.59	33.00	-16.81	1/50
		1880.00	11.34	H	4.52	9.29	16.11	40.83	33.00	-16.89	1/26
		1905.00	9.24	H	4.55	9.06	13.76	23.77	33.00	-19.24	1/1
5	QPSK	1852.50	12.20	H	4.49	9.50	17.21	52.60	33.00	-15.79	1/23
		1880.00	12.91	H	4.52	9.29	17.68	58.61	33.00	-15.32	1/23
		1907.50	10.18	H	4.55	9.03	14.66	29.24	33.00	-18.34	1/1
	16-QAM	1852.50	10.97	H	4.49	9.50	15.98	39.63	33.00	-17.02	1/23
		1880.00	11.37	H	4.52	9.29	16.14	41.11	33.00	-16.86	1/1
		1907.50	9.13	H	4.55	9.03	13.61	22.96	33.00	-19.39	1/1

NR Band n25 (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	1870.00	19.57	H	4.51	9.37	24.43	277.33	33.00	-8.57	1/108
		1882.50	20.59	H	4.52	9.27	25.34	341.98	33.00	-7.66	1/108
		1895.00	20.38	H	4.54	9.17	25.02	317.69	33.00	-7.98	1/1
	16-QAM	1870.00	18.39	H	4.51	9.37	23.25	211.35	33.00	-9.75	1/108
		1882.50	19.56	H	4.52	9.27	24.31	269.77	33.00	-8.69	1/108
		1895.00	19.18	H	4.54	9.17	23.81	240.44	33.00	-9.19	1/1
30	QPSK	1865.00	19.88	H	4.50	9.41	24.78	300.61	33.00	-8.22	1/158
		1882.50	20.21	H	4.52	9.27	24.96	313.33	33.00	-8.04	1/158
		1900.00	20.80	H	4.54	9.13	25.39	345.94	33.00	-7.61	1/80
	16-QAM	1865.00	19.01	H	4.50	9.41	23.91	246.04	33.00	-9.09	1/158
		1882.50	19.30	H	4.52	9.27	24.05	254.10	33.00	-8.95	1/80
		1900.00	19.96	H	4.54	9.13	24.56	285.76	33.00	-8.44	1/80
25	QPSK	1862.50	19.64	H	4.50	9.43	24.57	286.42	33.00	-8.43	1/131
		1882.50	20.01	H	4.52	9.27	24.76	299.23	33.00	-8.24	1/131
		1902.50	20.42	H	4.54	9.10	24.97	314.05	33.00	-8.03	1/1
	16-QAM	1862.50	18.99	H	4.50	9.43	23.52	224.91	33.00	-9.48	1/131
		1882.50	19.18	H	4.52	9.27	23.92	246.60	33.00	-9.08	1/131
		1902.50	19.54	H	4.54	9.10	24.10	257.04	33.00	-8.90	1/1
20	QPSK	1860.00	19.16	H	4.49	9.45	24.11	257.63	33.00	-8.89	1/53
		1882.50	19.93	H	4.52	9.27	24.68	293.76	33.00	-8.32	1/104
		1905.00	19.93	H	4.55	9.06	24.44	277.97	33.00	-8.56	1/1
	16-QAM	1860.00	18.11	H	4.49	9.45	23.06	202.30	33.00	-9.94	1/104
		1882.50	18.92	H	4.52	9.27	23.67	232.81	33.00	-9.33	1/104
		1905.00	18.83	H	4.55	9.06	23.34	215.77	33.00	-9.66	1/1
15	QPSK	1857.50	19.50	H	4.49	9.47	24.49	290.54	33.00	-8.52	1/40
		1882.50	19.98	H	4.52	9.27	24.73	297.17	33.00	-8.27	1/40
		1907.50	19.77	H	4.55	9.03	24.25	266.07	33.00	-8.75	1/1
	16-QAM	1857.50	18.78	H	4.49	9.47	23.76	237.68	33.00	-9.24	1/40
		1882.50	19.11	H	4.52	9.27	23.86	243.22	33.00	-9.14	1/1
		1907.50	18.75	H	4.55	9.03	23.23	210.38	33.00	-9.77	1/1
10	QPSK	1855.00	19.52	H	4.49	9.48	24.51	282.49	33.00	-8.49	1/50
		1882.50	19.95	H	4.52	9.27	24.69	294.44	33.00	-8.31	1/1
		1910.00	20.24	H	4.55	8.99	24.68	293.76	33.00	-8.32	1/26
	16-QAM	1855.00	18.62	H	4.49	9.48	23.62	230.14	33.00	-9.38	1/50
		1882.50	19.04	H	4.52	9.27	23.79	239.33	33.00	-9.21	1/26
		1910.00	19.26	H	4.55	8.99	23.70	234.42	33.00	-9.30	1/26
5	QPSK	1852.50	19.29	H	4.49	9.50	24.30	269.15	33.00	-8.70	1/23
		1882.50	19.95	H	4.52	9.27	24.69	294.44	33.00	-8.31	1/1
		1912.50	19.80	H	4.56	8.96	24.20	263.03	33.00	-8.80	1/1
	16-QAM	1852.50	18.31	H	4.49	9.50	23.32	214.78	33.00	-9.68	1/23
		1882.50	18.92	H	4.52	9.27	23.67	232.81	33.00	-9.33	1/23
		1912.50	18.67	H	4.56	8.96	23.08	203.24	33.00	-9.92	1/1

9.2. RADIATED SPURIOUS EMISSION

RULE PART(S)

FCC: §2.1053, §24.238

LIMIT

24.238(a)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

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 = 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 $\geq$ span/RBW;
- g) Trace Mode = average(WCDMA, LTE, 5G NR), Maxhold(GSM);

NOTE1

GSM : It was tested at GPRS as worst case (the highest output power and density).

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

GSM1900

GPRS	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung Project #: 4791440365 Date: 2024-09-03 Test Engineer: 24542 Configuration: EUT / AC Adapter, X-Position Location: Chamber 2 Mode: GPRS 1900 MHz 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, 1850.2MHz									
	3700.40	-9.3	V	3.0	42.2	1.0	-50.5	-13.0	-37.5	
	5550.60	-5.2	V	3.0	43.0	1.0	-47.2	-13.0	-34.2	
	7400.80	-4.2	V	3.0	42.6	1.0	-45.9	-13.0	-32.9	
	3700.40	-6.5	H	3.0	42.2	1.0	-47.7	-13.0	-34.7	
	5550.60	-4.1	H	3.0	43.0	1.0	-46.1	-13.0	-33.1	
	7400.80	-4.8	H	3.0	42.6	1.0	-46.4	-13.0	-33.4	
	Mid Ch, 1880MHz									
	3760.00	-9.4	V	3.0	42.2	1.0	-50.6	-13.0	-37.6	
	5640.00	-6.0	V	3.0	43.1	1.0	-48.0	-13.0	-35.0	
	7520.00	-3.6	V	3.0	42.6	1.0	-45.2	-13.0	-32.2	
	3760.00	-8.1	H	3.0	42.2	1.0	-49.3	-13.0	-36.3	
	5640.00	-6.4	H	3.0	43.1	1.0	-48.5	-13.0	-35.5	
	7520.00	-3.4	H	3.0	42.6	1.0	-45.0	-13.0	-32.0	
	High Ch, 1909.8MHz									
	3819.60	-9.3	V	3.0	42.2	1.0	-50.5	-13.0	-37.5	
	5729.40	-2.1	V	3.0	43.1	1.0	-44.1	-13.0	-31.1	
	7639.20	-1.6	V	3.0	42.5	1.0	-43.1	-13.0	-30.1	
	3819.60	-8.9	H	3.0	42.2	1.0	-50.1	-13.0	-37.1	
	5729.40	-1.4	H	3.0	43.1	1.0	-43.4	-13.0	-30.4	
	7639.20	-3.6	H	3.0	42.5	1.0	-45.1	-13.0	-32.1	

WCDMA Band 2

REL99	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791440365 Date: 2024-09-03 Test Engineer: 24542 Configuration: EUT / X-Position Location: Chamber 2 Mode: Rel99 Band 2 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, 1852.4MHz									
	3704.80	-10.4	V	3.0	42.2	1.0	-51.6	-13.0	-38.6	
	5557.20	-7.5	V	3.0	43.0	1.0	-49.5	-13.0	-36.5	
	7409.60	-4.9	V	3.0	42.6	1.0	-46.6	-13.0	-33.6	
	3704.80	-10.8	H	3.0	42.2	1.0	-52.1	-13.0	-39.1	
	5557.20	-7.9	H	3.0	43.0	1.0	-49.9	-13.0	-36.9	
	7409.60	-5.8	H	3.0	42.6	1.0	-47.4	-13.0	-34.4	
	Mid Ch, 1880MHz									
	3760.00	-10.3	V	3.0	42.2	1.0	-51.5	-13.0	-38.5	
	5640.00	-7.2	V	3.0	43.1	1.0	-49.2	-13.0	-36.2	
	7520.00	-5.1	V	3.0	42.6	1.0	-46.6	-13.0	-33.6	
	3760.00	-10.5	H	3.0	42.2	1.0	-51.7	-13.0	-38.7	
	5640.00	-7.5	H	3.0	43.1	1.0	-49.6	-13.0	-36.6	
	7520.00	-5.8	H	3.0	42.6	1.0	-47.4	-13.0	-34.4	
	High Ch, 1907.6MHz									
	3815.20	-10.3	V	3.0	42.2	1.0	-51.5	-13.0	-38.5	
	5722.80	-7.4	V	3.0	43.1	1.0	-49.4	-13.0	-36.4	
	7630.40	-4.9	V	3.0	42.5	1.0	-46.4	-13.0	-33.4	
	3815.20	-8.8	H	3.0	42.2	1.0	-50.0	-13.0	-37.0	
	5722.80	-7.7	H	3.0	43.1	1.0	-49.8	-13.0	-36.8	
	7630.40	-5.5	H	3.0	42.5	1.0	-47.0	-13.0	-34.0	

LTE Band 2

20 MHz QPSK ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791440365									
	Date: 2024-09-12									
	Test Engineer: 24542									
	Configuration: EUT / AC Adapter, Z-Position									
	Location: Chamber 1									
	Mode: LTE_QPSK Band 2 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, 1860MHz									
	3720.00	-9.0	V	3.0	44.1	1.0	-52.1	-13.0	-39.1	
	5580.00	-6.4	V	3.0	45.0	1.0	-50.4	-13.0	-37.4	
	7440.00	-3.8	V	3.0	45.0	1.0	-47.8	-13.0	-34.8	
	3720.00	-9.1	H	3.0	44.1	1.0	-52.2	-13.0	-39.2	
	5580.00	-5.8	H	3.0	45.0	1.0	-49.8	-13.0	-36.8	
	7440.00	-3.8	H	3.0	45.0	1.0	-47.8	-13.0	-34.8	
	Mid Ch, 1880MHz									
	3760.00	-8.7	V	3.0	44.1	1.0	-51.9	-13.0	-38.9	
	5640.00	-6.6	V	3.0	45.0	1.0	-50.6	-13.0	-37.6	
7520.00	-3.9	V	3.0	44.9	1.0	-47.8	-13.0	-34.8		
3760.00	-8.8	H	3.0	44.1	1.0	-52.0	-13.0	-39.0		
5640.00	-6.3	H	3.0	45.0	1.0	-50.3	-13.0	-37.3		
7520.00	-3.8	H	3.0	44.9	1.0	-47.8	-13.0	-34.8		
High Ch, 1900MHz										
3800.00	-8.9	V	3.0	44.2	1.0	-52.1	-13.0	-39.1		
5700.00	-6.2	V	3.0	45.0	1.0	-50.2	-13.0	-37.2		
7600.00	-3.8	V	3.0	44.9	1.0	-47.7	-13.0	-34.7		
3800.00	-8.7	H	3.0	44.2	1.0	-51.9	-13.0	-38.9		
5700.00	-6.2	H	3.0	45.0	1.0	-50.2	-13.0	-37.2		
7600.00	-3.6	H	3.0	44.9	1.0	-47.5	-13.0	-34.5		
20 MHz QPSK ANT B	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791440365									
	Date: 2024-09-10									
	Test Engineer: 24542									
	Configuration: EUT / AC Adapter, X-Position									
	Location: Chamber 1									
	Mode: LTE_QPSK Band 2 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, 1860MHz									
	3720.00	-9.1	V	3.0	44.1	1.0	-52.3	-13.0	-39.3	
	5580.00	-6.4	V	3.0	45.0	1.0	-50.3	-13.0	-37.3	
	7440.00	-3.6	V	3.0	45.0	1.0	-47.6	-13.0	-34.6	
	3720.00	-9.0	H	3.0	44.1	1.0	-52.1	-13.0	-39.1	
	5580.00	-6.3	H	3.0	45.0	1.0	-50.2	-13.0	-37.2	
	7440.00	-3.5	H	3.0	45.0	1.0	-47.5	-13.0	-34.5	
	Mid Ch, 1880MHz									
	3760.00	-8.9	V	3.0	44.1	1.0	-52.1	-13.0	-39.1	
	5640.00	-6.4	V	3.0	45.0	1.0	-50.4	-13.0	-37.4	
7520.00	-3.5	V	3.0	44.9	1.0	-47.5	-13.0	-34.5		
3760.00	-8.6	H	3.0	44.1	1.0	-51.7	-13.0	-38.7		
5640.00	-6.3	H	3.0	45.0	1.0	-50.3	-13.0	-37.3		
7520.00	-3.5	H	3.0	44.9	1.0	-47.4	-13.0	-34.4		
High Ch, 1900MHz										
3800.00	-8.8	V	3.0	44.2	1.0	-52.0	-13.0	-39.0		
5700.00	-6.0	V	3.0	45.0	1.0	-50.0	-13.0	-37.0		
7600.00	-3.4	V	3.0	44.9	1.0	-47.3	-13.0	-34.3		
3800.00	-8.5	H	3.0	44.2	1.0	-51.7	-13.0	-38.7		
5700.00	-5.9	H	3.0	45.0	1.0	-49.9	-13.0	-36.9		
7600.00	-3.4	H	3.0	44.9	1.0	-47.3	-13.0	-34.3		

LTE Band 25

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4791440365							
Date:		2024-09-02							
Test Engineer:		24542							
Configuration:		EUT / X-Position							
Location:		Chamber 2							
Mode:		LTE_QPSK Band 25 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
20 MHz									
QPSK									
ANT A									
Low Ch, 1860MHz									
3720.00	-10.4	V	3.0	42.2	1.0	-51.6	-13.0	-38.6	
5580.00	-7.4	V	3.0	43.0	1.0	-49.5	-13.0	-36.5	
7440.00	-5.2	V	3.0	42.6	1.0	-46.8	-13.0	-33.8	
3720.00	-10.8	H	3.0	42.2	1.0	-52.0	-13.0	-39.0	
5580.00	-7.7	H	3.0	43.0	1.0	-49.7	-13.0	-36.7	
7440.00	-5.9	H	3.0	42.6	1.0	-47.5	-13.0	-34.5	
Mid Ch, 1882.5MHz									
3765.00	-10.3	V	3.0	42.2	1.0	-51.6	-13.0	-38.6	
5647.50	-7.4	V	3.0	43.1	1.0	-49.5	-13.0	-36.5	
7530.00	-5.3	V	3.0	42.6	1.0	-46.9	-13.0	-33.9	
3765.00	-10.5	H	3.0	42.2	1.0	-51.7	-13.0	-38.7	
5647.50	-7.4	H	3.0	43.1	1.0	-49.5	-13.0	-36.5	
7530.00	-5.7	H	3.0	42.6	1.0	-47.3	-13.0	-34.3	
High Ch, 1905MHz									
3810.00	-10.0	V	3.0	42.2	1.0	-51.2	-13.0	-38.2	
5715.00	-7.3	V	3.0	43.1	1.0	-49.4	-13.0	-36.4	
7620.00	-4.9	V	3.0	42.5	1.0	-46.5	-13.0	-33.5	
3810.00	-10.6	H	3.0	42.2	1.0	-51.8	-13.0	-38.8	
5715.00	-7.6	H	3.0	43.1	1.0	-49.7	-13.0	-36.7	
7620.00	-5.6	H	3.0	42.5	1.0	-47.1	-13.0	-34.1	

NR Band n2

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4791440365							
Date:		2024-09-24							
Test Engineer:		24542							
Configuration:		EUT / AC Adapter, X-Position							
Location:		Chamber 2							
Mode:		5G NR_QPSK NR n2 Harmonics, 40MHz 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, 1870MHz									
3740.00	-10.4	V	3.0	43.1	1.0	-52.5	-13.0	-39.5	
5610.00	-5.1	V	3.0	43.4	1.0	-47.5	-13.0	-34.5	
7480.00	-5.3	V	3.0	43.0	1.0	-47.3	-13.0	-34.3	
9350.00	-3.2	V	3.0	41.9	1.0	-44.2	-13.0	-31.2	
11220.00	-0.2	V	3.0	40.5	1.0	-39.7	-13.0	-26.7	
3740.00	-10.2	H	3.0	43.1	1.0	-52.3	-13.0	-39.3	
5610.00	-5.0	H	3.0	43.4	1.0	-47.4	-13.0	-34.4	
7480.00	-5.9	H	3.0	43.0	1.0	-47.9	-13.0	-34.9	
9350.00	-3.8	H	3.0	41.9	1.0	-44.7	-13.0	-31.7	
11220.00	-0.3	H	3.0	40.5	1.0	-39.9	-13.0	-26.9	
Mid Ch, 1880MHz									
3760.00	-10.0	V	3.0	43.1	1.0	-52.1	-13.0	-39.1	
5640.00	-5.4	V	3.0	43.4	1.0	-47.8	-13.0	-34.8	
7520.00	-5.4	V	3.0	42.9	1.0	-47.3	-13.0	-34.3	
9400.00	-2.3	V	3.0	41.9	1.0	-43.1	-13.0	-30.1	
11280.00	-0.4	V	3.0	40.5	1.0	-39.9	-13.0	-26.9	
3760.00	-10.5	H	3.0	43.1	1.0	-52.6	-13.0	-39.6	
5640.00	-5.4	H	3.0	43.4	1.0	-47.8	-13.0	-34.8	
7520.00	-6.0	H	3.0	42.9	1.0	-47.9	-13.0	-34.9	
9400.00	-3.7	H	3.0	41.9	1.0	-44.5	-13.0	-31.5	
11280.00	-0.3	H	3.0	40.5	1.0	-39.8	-13.0	-26.8	
High Ch, 1890MHz									
3780.00	-10.1	V	3.0	43.1	1.0	-52.1	-13.0	-39.1	
5670.00	-5.0	V	3.0	43.4	1.0	-47.4	-13.0	-34.4	
7560.00	-5.3	V	3.0	42.9	1.0	-47.2	-13.0	-34.2	
9450.00	-2.0	V	3.0	41.9	1.0	-42.8	-13.0	-29.8	
11340.00	-0.1	V	3.0	40.4	1.0	-39.5	-13.0	-26.5	
3780.00	-10.2	H	3.0	43.1	1.0	-52.3	-13.0	-39.3	
5670.00	-5.5	H	3.0	43.4	1.0	-47.9	-13.0	-34.9	
7560.00	-6.0	H	3.0	42.9	1.0	-47.9	-13.0	-34.9	
9450.00	-2.9	H	3.0	41.9	1.0	-43.7	-13.0	-30.7	
11340.00	0.1	H	3.0	40.4	1.0	-39.3	-13.0	-26.3	

40 MHz
QPSK
ANT B

NR Band n25

30 MHz QPSK ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company:		Samsung							
	Project #:		4791440365							
	Date:		2024-09-05							
	Test Engineer:		26087							
	Configuration:		EUT / AC Adpater, X-Position							
	Location:		Chamber 2							
	Mode:		5G NR_QPSK NR n25 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, 1865MHz										
3730.00	-10.6	V	3.0	42.2	1.0	-51.8	-13.0	-38.8		
5595.00	-7.6	V	3.0	43.0	1.0	-49.6	-13.0	-36.6		
7460.00	-5.3	V	3.0	42.6	1.0	-46.9	-13.0	-33.9		
9325.00	-3.7	V	3.0	41.6	1.0	-44.3	-13.0	-31.3		
11190.00	-0.4	V	3.0	41.5	1.0	-40.9	-13.0	-27.9		
3730.00	-10.6	H	3.0	42.2	1.0	-51.8	-13.0	-38.8		
5595.00	-7.8	H	3.0	43.0	1.0	-49.8	-13.0	-36.8		
7460.00	-5.9	H	3.0	42.6	1.0	-47.5	-13.0	-34.5		
9325.00	-4.0	H	3.0	41.6	1.0	-44.7	-13.0	-31.7		
11190.00	-0.5	H	3.0	41.5	1.0	-41.0	-13.0	-28.0		
Mid Ch, 1882.5MHz										
3765.00	-10.3	V	3.0	42.2	1.0	-51.5	-13.0	-38.5		
5647.50	-7.5	V	3.0	43.1	1.0	-49.5	-13.0	-36.5		
7530.00	-5.1	V	3.0	42.6	1.0	-46.7	-13.0	-33.7		
9412.50	-3.6	V	3.0	41.5	1.0	-44.1	-13.0	-31.1		
11295.00	-0.3	V	3.0	41.6	1.0	-40.9	-13.0	-27.9		
3765.00	-10.5	H	3.0	42.2	1.0	-51.7	-13.0	-38.7		
5647.50	-7.8	H	3.0	43.1	1.0	-49.9	-13.0	-36.9		
7530.00	-5.7	H	3.0	42.6	1.0	-47.3	-13.0	-34.3		
9412.50	-3.9	H	3.0	41.5	1.0	-44.4	-13.0	-31.4		
11295.00	-0.4	H	3.0	41.6	1.0	-41.0	-13.0	-28.0		
High Ch, 1900MHz										
3800.00	-10.5	V	3.0	42.2	1.0	-51.7	-13.0	-38.7		
5700.00	-7.2	V	3.0	43.1	1.0	-49.3	-13.0	-36.3		
7600.00	-5.1	V	3.0	42.5	1.0	-46.7	-13.0	-33.7		
9500.00	-3.3	V	3.0	41.5	1.0	-43.8	-13.0	-30.8		
11400.00	0.0	V	3.0	41.6	1.0	-40.6	-13.0	-27.6		
3800.00	-10.8	H	3.0	42.2	1.0	-52.0	-13.0	-39.0		
5700.00	-7.6	H	3.0	43.1	1.0	-49.6	-13.0	-36.6		
7600.00	-5.8	H	3.0	42.5	1.0	-47.4	-13.0	-34.4		
9500.00	-3.6	H	3.0	41.5	1.0	-44.1	-13.0	-31.1		
11400.00	-0.1	H	3.0	41.6	1.0	-40.7	-13.0	-27.7		

END OF REPORT