

TEST PROCEDURE

Per KDB 971168 D01 Power Meas License Digital Systems v03r01

The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case emissions were caught.

WCDMA/LTE

- Set the RBW = 100 kHz for emission below 1 GHz
(Tests were performed 1MHz [Worst case], to sweep 1 time for all frequency range)
- Set VBW $\geq 3 \times$ RBW;
- Set span ≥ 1.5 times the OBW;
- Sweep time = auto couple;
- Detector = rms;
- Ensure that the number of measurement points = Max (40001);
- Trace mode = average;

NOTE1

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

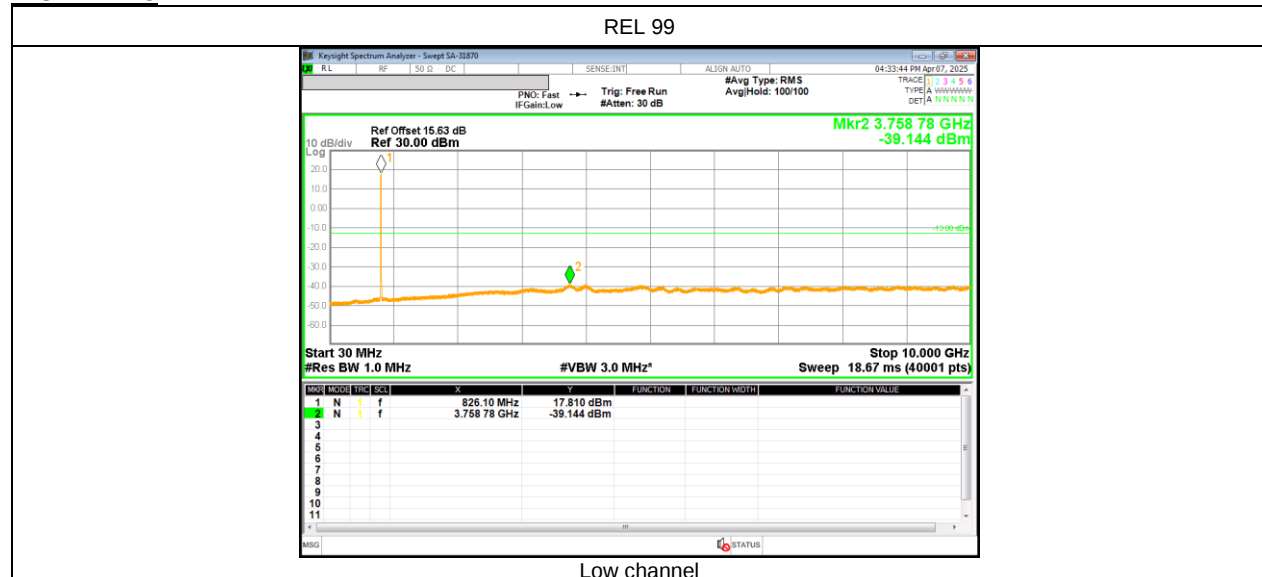
LTE: It was tested at 1RB QPSK as worst case (the highest output power and density).

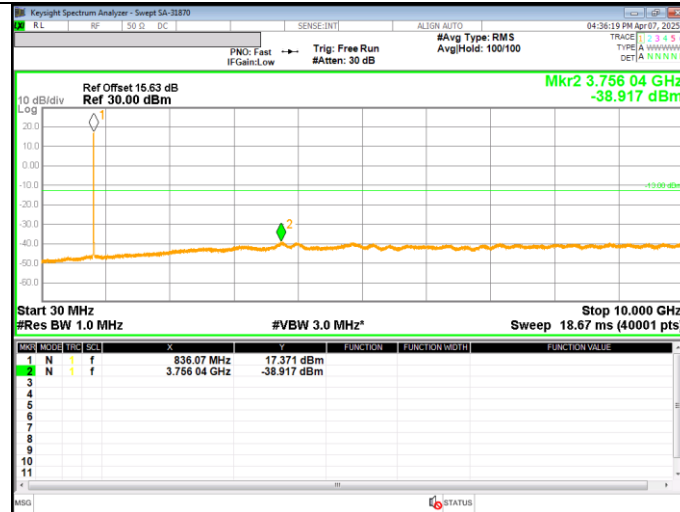
NOTE2

Please refer to section 5.4 for bandwidth and RB setting about LTE bands.

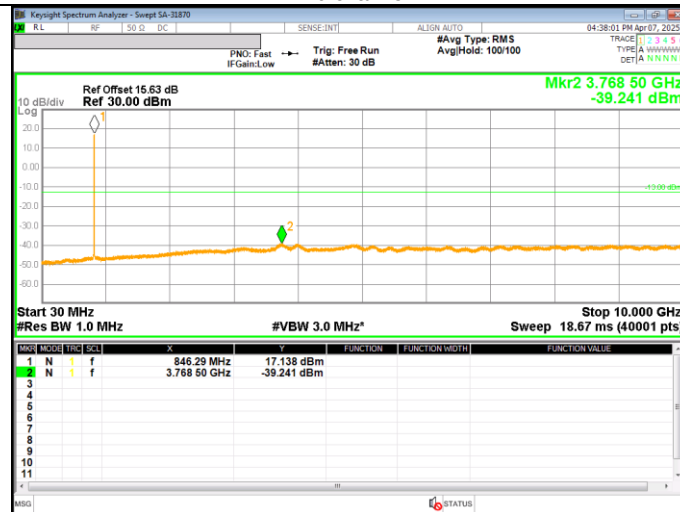
8.5.1. OUT OF BAND EMISSIONS RESULT

WCDMA B5





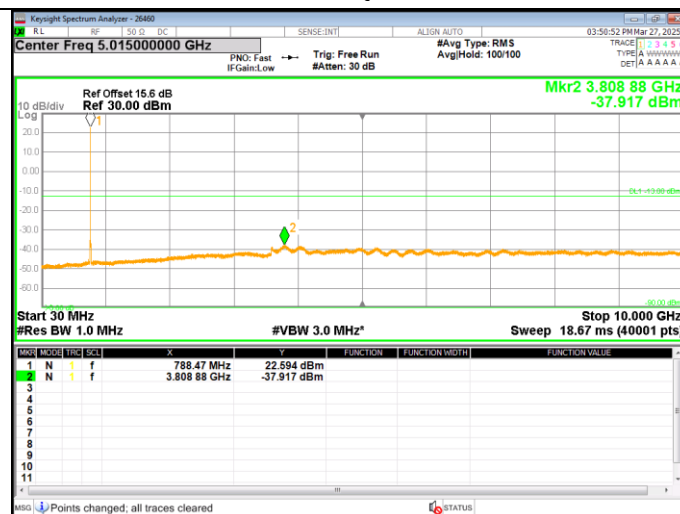
Mid channel



High channel

LTE Band 14

5 MHz QPSK

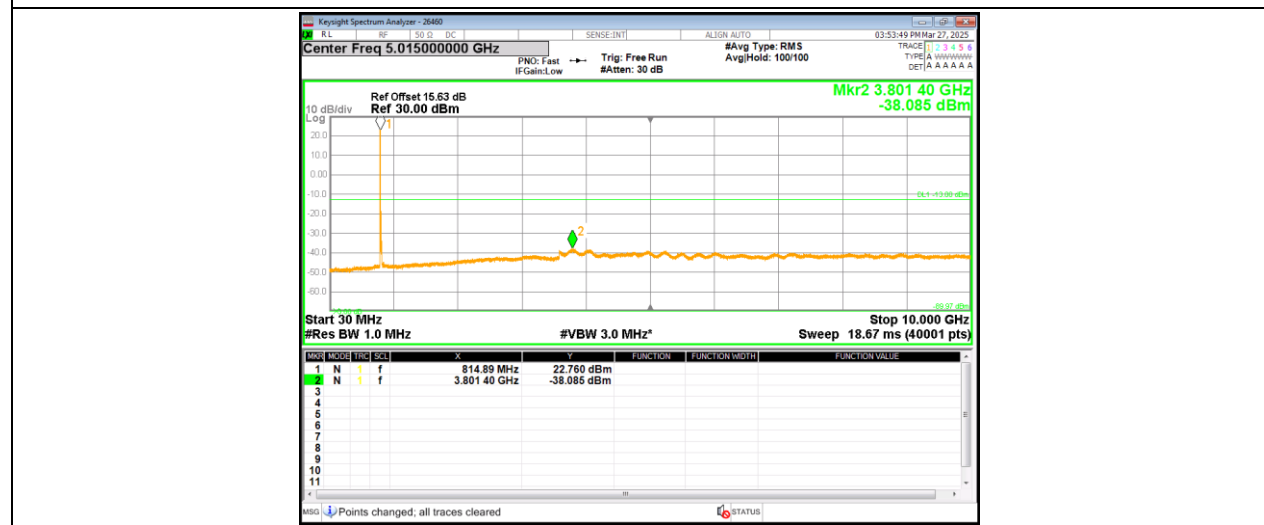


Low channel



LTE Band 26 (Part 90)

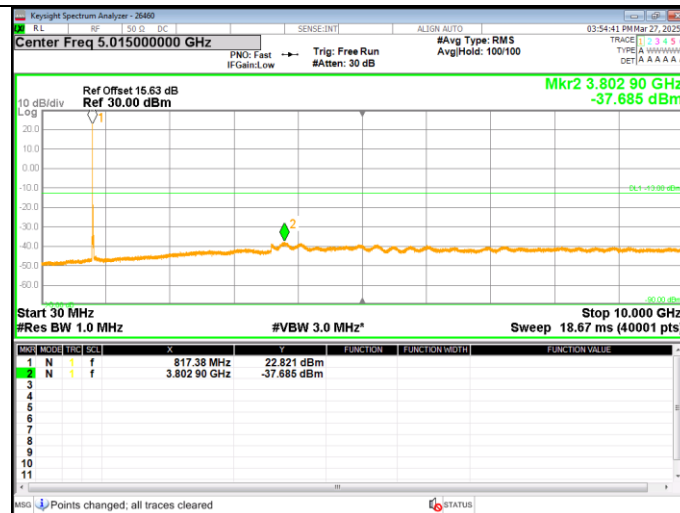
15 MHz QPSK



Low channel

LTE Band 26 (Straddle)

15 MHz QPSK



Straddle channel

LTE Band 26 (Part 22)



8.6. FREQUENCY STABILITY

RULE PART(S)

FCC: §2.1055, §22.355 and §90.213

LIMITS

§22.355 - The carrier frequency shall not depart from the reference frequency in excess of ± 2.5 ppm for mobile stations.

§90.213 - The carrier frequency shall not depart from the reference frequency in excess of ± 2.5 ppm for mobile stations.

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 5

Test Date	2025-04-10
Test Engineer	26460

Reference Frequency : WCDMA Band 5 Low Channel 826.4 MHz / High Channel 846.6 MHz @ 20°C						
Limit: +/- 2.5 ppm =	Low Channel	2066.000	Hz	High Channel	2116.500	Hz
Power Supply [Vdc]	Environment Temperature [°C]	Frequency Deviation Measured with Time Elapse				
		Low Channel		High Channel		Limit [ppm]
		[MHz]	Delta [ppm]	[MHz]	Delta [ppm]	
3.86	50	826.40000561	0.002	846.60000713	0.000	2.5
3.86	40	826.40000605	0.001	846.60000688	0.000	2.5
3.86	30	826.40000568	0.002	846.60000602	0.001	2.5
3.86	20	826.40000713	0.000	846.60000715	0.000	2.5
3.86	10	826.40000689	0.000	846.60000708	0.000	2.5
3.86	0	826.40000673	0.000	846.60000695	0.000	2.5
3.86	-10	826.40000711	0.000	846.60000716	0.000	2.5
3.86	-20	826.40000695	0.000	846.60000699	0.000	2.5
3.86	-30	826.40000758	-0.001	846.60000713	0.000	2.5

Reference Frequency : WCDMA Band 5 Low Channel 826.4 MHz / High Channel 846.6 MHz @ 20°C						
Limit: +/- 2.5 ppm =	Low Channel	2066.000	Hz	High Channel	2116.500	Hz
Power Supply [Vdc]	Environment Temperature [°C]	Frequency Deviation Measured with Time Elapse				
		Low Channel		High Channel		Limit [ppm]
		[MHz]	Delta [ppm]	[MHz]	Delta [ppm]	
3.86	20	826.40000713	0	846.60000715	0	2.5
4.48	20	826.40000813	-0.001	846.60001026	-0.004	2.5
3.50	20	826.40000858	-0.002	846.60000910	-0.002	2.5

LTE Band 14 (Lowest Frequency: 16QAM / Highest Frequency: QPSK)

Test Date	2025-04-14
Test Engineer	26460

Limit		788	798	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	788.2490	797.7462		
Extreme (50C)		788.2491	797.7462	51.1	0.064
Extreme (40C)		788.2491	797.7462	50.4	0.064
Extreme (30C)		788.2490	797.7462	49.3	0.062
Extreme (10C)		788.2490	797.7462	48.3	0.061
Extreme (0C)		788.2490	797.7462	42.4	0.053
Extreme (-10C)		788.2490	797.7462	48.1	0.061
Extreme (-20C)		788.2490	797.7462	43.6	0.055
Extreme (-30C)		788.2490	797.7462	43.2	0.054
20C	15%	788.2491	797.7462	40.3	0.051
	-15%	788.2491	797.7462	39.2	0.049
	End Point	788.2490	797.7462	41.3	0.052

LTE Band 26

Test Date	2025-04-10
Test Engineer	26460

Reference Frequency : Low Channel 814.7 MHz / High Channel 848.3 MHz @ 20°C						
Limit: +- 2.5 ppm =		Low Channel	2036.750	Hz	High Channel	2120.750
		Frequency Deviation Measured with Time Elapse				
Power Supply [Vdc]	Environment Temperature [°C]	Low Channel		High Channel		Limit [ppm]
		[MHz]	Delta [ppm]	[MHz]	Delta [ppm]	
3.86	50	814.70000613	-0.001	848.30000692	-0.002	2.5
3.86	40	814.70000567	0.000	848.30000676	-0.002	2.5
3.86	30	814.70000605	-0.001	848.30000613	-0.001	2.5
3.86	20	814.70000528	0.000	848.30000504	0.000	2.5
3.86	10	814.70000595	-0.001	848.30000548	-0.001	2.5
3.86	0	814.70000594	-0.001	848.30000592	-0.001	2.5
3.86	-10	814.70000588	-0.001	848.30000606	-0.001	2.5
3.86	-20	814.70000616	-0.001	848.30000619	-0.001	2.5
3.86	-30	814.70000639	-0.001	848.30000637	-0.002	2.5

Reference Frequency : Low Channel 814.7 MHz / High Channel 848.3 MHz @ 20°C						
Limit: +- 2.5 ppm =		Low Channel	2036.750	Hz	High Channel	2120.750
		Frequency Deviation Measured with Time Elapse				
Power Supply [Vdc]	Environment Temperature [°C]	Low Channel		High Channel		Limit [ppm]
		[MHz]	Delta [ppm]	[MHz]	Delta [ppm]	
3.86	20	814.70000528	0	848.30000504	0	2.5
4.48	20	814.70002068	-0.019	848.30002004	-0.018	2.5
3.50	20	814.70002009	-0.018	848.30002162	-0.020	2.5

9. RADIATED RESULTS

9.1. RADIATED POWER (ERP)

RULE PART(S)

FCC: §2.1046, §22.913, §90.542 and §90.635

LIMITS

§22.913(a) - The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

§90.542(a)(7) - Portable stations (hand-held devices) transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 3 watts ERP.

§90.635(b) The maximum output power of the transmitter for mobile stations is 100 watts (20dBw).

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: 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 RESULT

WCDMA

Band	Mode	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)
Band 5	REL99	826.40	17.67	V	3.02	-1.02	13.63	23.07	38.50	-24.87
		836.60	18.67	V	3.04	-0.97	14.66	29.24	38.50	-23.84
		846.60	16.91	V	3.06	-0.92	12.93	19.63	38.50	-25.57
	HSDPA	826.40	16.23	V	3.02	-1.02	12.19	16.56	38.50	-26.31
		836.60	17.07	V	3.04	-0.97	13.06	20.23	38.50	-25.44
		846.60	15.96	V	3.06	-0.92	11.98	15.78	38.50	-26.52

LTE Band 14

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	793.00	17.36	H	2.96	-1.16	13.24	21.09	34.77	-21.53	1/0
	16-QAM	793.00	16.18	H	2.96	-1.16	12.06	16.07	34.77	-22.71	1/0
5	QPSK	790.50	17.27	H	2.96	-1.17	13.14	20.61	34.77	-21.63	1/0
		793.00	17.33	H	2.96	-1.16	13.21	20.94	34.77	-21.56	1/0
		795.50	17.16	H	2.97	-1.16	13.03	20.09	34.77	-21.74	1/0
	16-QAM	790.50	16.12	H	2.96	-1.17	11.99	15.81	34.77	-22.78	1/0
		793.00	16.17	H	2.96	-1.16	12.05	16.03	34.77	-22.72	1/0
		795.50	16.14	H	2.97	-1.16	12.01	15.89	34.77	-22.76	1/0
10	QPSK	793.00	16.42	H	2.96	-1.16	12.30	16.98	34.77	-22.47	50/0
	16-QAM	793.00	14.97	H	2.96	-1.16	10.85	12.16	34.77	-23.92	50/0

LTE Band 26

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
15	QPSK	821.50	17.34	V	3.01	-1.04	13.28	21.28	50.00	-36.72	1/0
		824.00	17.11	V	3.02	-1.03	13.06	20.23	38.50	-25.44	1/0
		831.50	17.66	V	3.03	-0.99	13.63	23.07	38.50	-24.87	1/0
		836.50	18.25	V	3.04	-0.97	14.24	26.55	38.50	-24.26	1/0
		841.50	18.19	V	3.05	-0.94	14.20	26.30	38.50	-24.30	1/0
	16-QAM	821.50	16.14	V	3.01	-1.04	12.08	16.14	50.00	-37.92	1/0
		824.00	15.89	V	3.02	-1.03	11.84	15.28	38.50	-26.66	1/0
		831.50	16.24	V	3.03	-0.99	12.21	16.63	38.50	-26.29	1/0
		836.50	17.17	V	3.04	-0.97	13.16	20.70	38.50	-25.34	1/0
		841.50	17.09	V	3.05	-0.94	13.10	20.42	38.50	-25.40	1/0
10	QPSK	819.00	16.78	V	3.01	-1.06	12.71	18.66	50.00	-37.29	1/0
		824.00	17.81	V	3.02	-1.03	13.76	23.77	38.50	-24.74	1/0
		829.00	17.05	V	3.03	-1.01	13.02	20.04	38.50	-25.48	1/0
		836.50	17.65	V	3.04	-0.97	13.64	23.12	38.50	-24.86	1/0
		844.00	17.43	V	3.05	-0.93	13.45	22.13	38.50	-25.05	1/0
	16-QAM	819.00	15.53	V	3.01	-1.06	11.46	14.00	50.00	-38.54	1/0
		824.00	16.66	V	3.02	-1.03	12.61	18.24	38.50	-25.89	1/0
		829.00	15.75	V	3.03	-1.01	11.72	14.86	38.50	-26.78	1/0
		836.50	16.39	V	3.04	-0.97	12.38	17.30	38.50	-26.12	1/0
		844.00	16.37	V	3.05	-0.93	12.39	17.34	38.50	-26.11	1/0
5	QPSK	816.50	17.41	V	3.00	-1.07	13.34	21.93	50.00	-36.59	1/0
		821.50	17.47	V	3.01	-1.04	13.41	18.66	50.00	-37.29	1/0
		824.00	16.76	V	3.02	-1.03	12.71	19.68	38.50	-25.56	1/0
		826.50	16.98	V	3.02	-1.02	12.94	24.66	38.50	-24.58	1/0
		836.50	17.93	V	3.04	-0.97	13.92	24.95	38.50	-24.53	1/0
	16-QAM	846.50	17.94	V	3.06	-0.92	13.97	16.67	38.50	-26.28	1/0
		816.50	16.29	V	3.00	-1.07	12.22	16.67	50.00	-37.78	1/0
		821.50	16.28	V	3.01	-1.04	12.22	14.59	50.00	-38.36	1/0
		824.00	15.69	V	3.02	-1.03	11.64	14.79	38.50	-26.80	1/0
		826.50	15.74	V	3.02	-1.02	11.70	19.63	38.50	-25.57	1/0
3	QPSK	836.50	16.94	V	3.04	-0.97	12.93	19.91	38.50	-25.51	1/0
		846.50	16.96	V	3.06	-0.92	12.99	19.91	38.50	-25.51	1/0
	16-QAM	815.50	17.66	V	3.00	-1.07	13.59	22.86	50.00	-36.41	1/0
		822.50	17.26	V	3.01	-1.04	13.21	20.94	50.00	-36.79	1/0
		824.00	16.65	V	3.02	-1.03	12.60	18.20	38.50	-25.90	1/0
	16-QAM	825.50	16.80	V	3.02	-1.02	12.76	18.88	38.50	-25.74	1/0
		836.50	18.47	V	3.04	-0.97	14.46	27.93	38.50	-24.04	1/0
		847.50	17.51	V	3.06	-0.91	13.54	22.59	38.50	-24.96	1/0
	16-QAM	815.50	16.35	V	3.00	-1.07	12.28	16.90	50.00	-37.72	1/0
		822.50	16.00	V	3.01	-1.04	11.95	15.67	50.00	-38.05	1/0
1.4	QPSK	824.00	15.59	V	3.02	-1.03	11.54	14.26	38.50	-26.96	1/0
		825.50	15.49	V	3.02	-1.02	11.45	13.96	38.50	-27.05	1/0
		836.50	17.44	V	3.04	-0.97	13.43	22.03	38.50	-25.07	1/0
		847.50	16.38	V	3.06	-0.91	12.41	17.42	38.50	-26.09	1/0
	16-QAM	814.70	16.33	V	3.00	-1.08	12.26	16.83	50.00	-37.74	1/0
		823.30	16.87	V	3.01	-1.03	12.82	19.14	50.00	-37.18	1/0
		824.00	17.49	V	3.02	-1.03	13.44	22.08	38.50	-25.06	1/0
		824.70	17.16	V	3.02	-1.03	13.12	20.51	38.50	-25.38	1/0
		836.50	18.29	V	3.04	-0.97	14.28	26.79	38.50	-24.22	1/0
3	QPSK	848.30	17.18	V	3.06	-0.91	13.21	20.94	38.50	-25.29	1/0
		814.70	15.19	V	3.00	-1.08	11.12	12.94	50.00	-38.88	1/0
		823.30	15.49	V	3.01	-1.03	11.44	13.93	50.00	-38.56	1/0
		824.00	16.35	V	3.02	-1.03	12.30	16.98	38.50	-26.20	1/0
		824.70	15.97	V	3.02	-1.03	11.93	15.60	38.50	-26.57	1/0
	16-QAM	836.50	16.80	V	3.04	-0.97	12.79	19.01	38.50	-25.71	1/0
		848.30	16.02	V	3.06	-0.91	12.05	16.03	38.50	-26.45	1/5
	QPSK	815.50	16.80	V	3.00	-1.07	12.73	18.75	50.00	-37.27	15/0
		822.50	15.99	V	3.01	-1.04	11.94	15.63	50.00	-38.06	15/0
		824.00	15.55	V	3.02	-1.03	11.50	14.13	38.50	-27.00	15/0
3	QPSK	825.50	16.60	V	3.02	-1.02	12.56	18.03	38.50	-25.94	15/0
		836.50	17.49	V	3.04	-0.97	13.48	22.28	38.50	-25.02	15/0
		847.50	16.46	V	3.06	-0.91	12.49	17.74	38.50	-26.01	15/0
	16-QAM	815.50	15.12	V	3.00	-1.07	11.05	12.74	50.00	-38.95	15/0
		822.50	14.92	V	3.01	-1.04	10.87	12.22	50.00	-39.13	15/0
		824.00	14.55	V	3.02	-1.03	10.50	11.22	38.50	-28.00	15/0
		825.50	14.40	V	3.02	-1.02	10.36	10.86	38.50	-28.14	15/0
		836.50	16.30	V	3.04	-0.97	12.29	16.94	38.50	-26.21	15/0
		847.50	15.32	V	3.06	-0.91	11.35	13.65	38.50	-27.15	15/0

9.2. RADIATED SPURIOUS EMISSION

RULE PART(S)

FCC: §2.1053, §22.917, §90.543 and §90.691

LIMIT

§22.917(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.

§90.543(c)

On any frequency outside of the frequency ranges covered by the ACP tables in this section, the power of any emission must be reduced below the mean output power (P) by at least $43 + 10 \log(P)$ dB measured in a 100 kHz bandwidth for frequencies less than 1 GHz, and in a 1 MHz bandwidth for frequencies greater than 1 GHz

§90.691(a):

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \log_{10}(f/6.1)$ decibels or $50 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz. (NOTE : Use 100kHz reference bandwidth)

(b) When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.

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.
- 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);

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).

NOTE2

Please refer to section 5.4 for bandwidth and RB setting about LTE bands.

RESULTS

See the following pages.

9.2.1. SPURIOUS RADIATION RESULT

WCDMA Band 5

REL99	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Company: Samsung									
	Project #: 4791706372									
	Date: 2025-04-09									
	Test Engineer: 26087									
	Configuration: EUT / AC Adapter, Strap, X-Position									
	Location: Chamber 2									
	Mode: Rel99 Band 5 Harmonics									
	Test Votage: AC 120 V, 60 Hz									
	Low Ch, 826.4MHz									
	1652.80	-15.5	V	3.0	42.0	1.0	-56.4	-13.0	-43.4	
	2479.20	-12.3	V	3.0	42.4	1.0	-53.7	-13.0	-40.7	
	3305.60	-9.4	V	3.0	42.9	1.0	-51.3	-13.0	-38.3	
	1652.80	-16.0	H	3.0	42.0	1.0	-57.0	-13.0	-44.0	
	2479.20	-12.5	H	3.0	42.4	1.0	-53.9	-13.0	-40.9	
	3305.60	-9.3	H	3.0	42.9	1.0	-51.2	-13.0	-38.2	
	Mid Ch, 836.6MHz									
	1673.20	-15.3	V	3.0	42.0	1.0	-56.3	-13.0	-43.3	
	2509.80	-12.4	V	3.0	42.4	1.0	-53.8	-13.0	-40.8	
	3346.40	-9.3	V	3.0	42.9	1.0	-51.2	-13.0	-38.2	
	1673.20	-15.8	H	3.0	42.0	1.0	-56.7	-13.0	-43.7	
	2509.80	-12.6	H	3.0	42.4	1.0	-53.9	-13.0	-40.9	
	3346.40	-9.1	H	3.0	42.9	1.0	-51.1	-13.0	-38.1	
	High Ch, 846.6MHz									
	1693.20	-15.3	V	3.0	42.0	1.0	-56.3	-13.0	-43.3	
	2539.80	-12.2	V	3.0	42.4	1.0	-53.6	-13.0	-40.6	
	3386.40	-9.0	V	3.0	42.9	1.0	-50.9	-13.0	-37.9	
	1693.20	-15.8	H	3.0	42.0	1.0	-56.7	-13.0	-43.7	
	2539.80	-12.5	H	3.0	42.4	1.0	-53.9	-13.0	-40.9	
	3386.40	-8.9	H	3.0	42.9	1.0	-50.8	-13.0	-37.8	

LTE Band 14

10 MHz QPSK	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791706372 Date: 2025-04-08 Test Engineer: 26087 Configuration: EUT / AC Adapter, Z-Position Location: Chamber 1 Mode: LTE_QPSK Band 14 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, 793MHz									
	1586.00	-19.9	V	3.0	43.3	1.0	-62.3	-40.0	-22.3	
	2379.00	-12.3	V	3.0	43.8	1.0	-55.1	-13.0	-42.1	
	3172.00	-9.8	V	3.0	43.6	1.0	-52.4	-13.0	-39.4	
	1586.00	-22.6	H	3.0	43.3	1.0	-64.9	-40.0	-24.9	
	2379.00	-12.8	H	3.0	43.8	1.0	-55.6	-13.0	-42.6	
	3172.00	-9.9	H	3.0	43.6	1.0	-52.5	-13.0	-39.5	

LTE Band 26 (Part 90)

3 MHz QPSK	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791706372 Date: 2025-04-09 Test Engineer: 26087 Configuration: EUT / AC Adapter, Y-Position Location: Chamber 1 Mode: LTE_QPSK Band 26(Part90) 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, 815.5MHz									
	1631.00	-14.4	V	3.0	43.4	1.0	-56.8	-13.0	-43.8	
	2446.50	-12.0	V	3.0	43.8	1.0	-54.8	-13.0	-41.8	
	3262.00	-9.5	V	3.0	43.7	1.0	-52.2	-13.0	-39.2	
	1631.00	-15.5	H	3.0	43.4	1.0	-57.9	-13.0	-44.9	
	2446.50	-12.4	H	3.0	43.8	1.0	-55.2	-13.0	-42.2	
	3262.00	-9.6	H	3.0	43.7	1.0	-52.3	-13.0	-39.3	
	Mid Ch, 822.5MHz									
	1645.00	-14.3	V	3.0	43.4	1.0	-56.7	-13.0	-43.7	
	2467.50	-12.0	V	3.0	43.8	1.0	-54.8	-13.0	-41.8	
	3290.00	-9.5	V	3.0	43.7	1.0	-52.2	-13.0	-39.2	
	1645.00	-14.6	H	3.0	43.4	1.0	-57.0	-13.0	-44.0	
	2467.50	-12.4	H	3.0	43.8	1.0	-55.2	-13.0	-42.2	
	3290.00	-9.5	H	3.0	43.7	1.0	-52.3	-13.0	-39.3	

LTE Band 26 (Straddle)

10 MHz QPSK	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung Project #: 4791706372 Date: 2025-04-09 Test Engineer: 26087 Configuration: EUT / AC Adapter, Y-Position Location: Chamber 1 Mode: LTE_QPSK Band 26 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
	Straddle Ch, 824MHz									
	1658.00	-14.4	V	3.0	43.5	1.0	-56.9	-13.0	-43.9	
	2487.00	-11.8	V	3.0	43.8	1.0	-54.6	-13.0	-41.6	
	3316.00	-9.4	V	3.0	43.8	1.0	-52.2	-13.0	-39.2	
	1658.00	-14.5	H	3.0	43.5	1.0	-57.0	-13.0	-44.0	
	2487.00	-12.3	H	3.0	43.8	1.0	-55.0	-13.0	-42.0	
	3316.00	-9.4	H	3.0	43.8	1.0	-52.1	-13.0	-39.1	

LTE Band 26 (Part 22)

3 MHz QPSK	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company:		Samsung							
	Project #:		4791706372							
	Date:		2024-04-08							
	Test Engineer:		26087							
	Configuration:		EUT / AC Adapter, Y-Position							
	Location:		Chamber 1							
	Mode:		LTE_QPSK Band 26 Harmonics, 3MHz Bandwidth							
	Test Votage:		AC 120 V, 60 Hz							