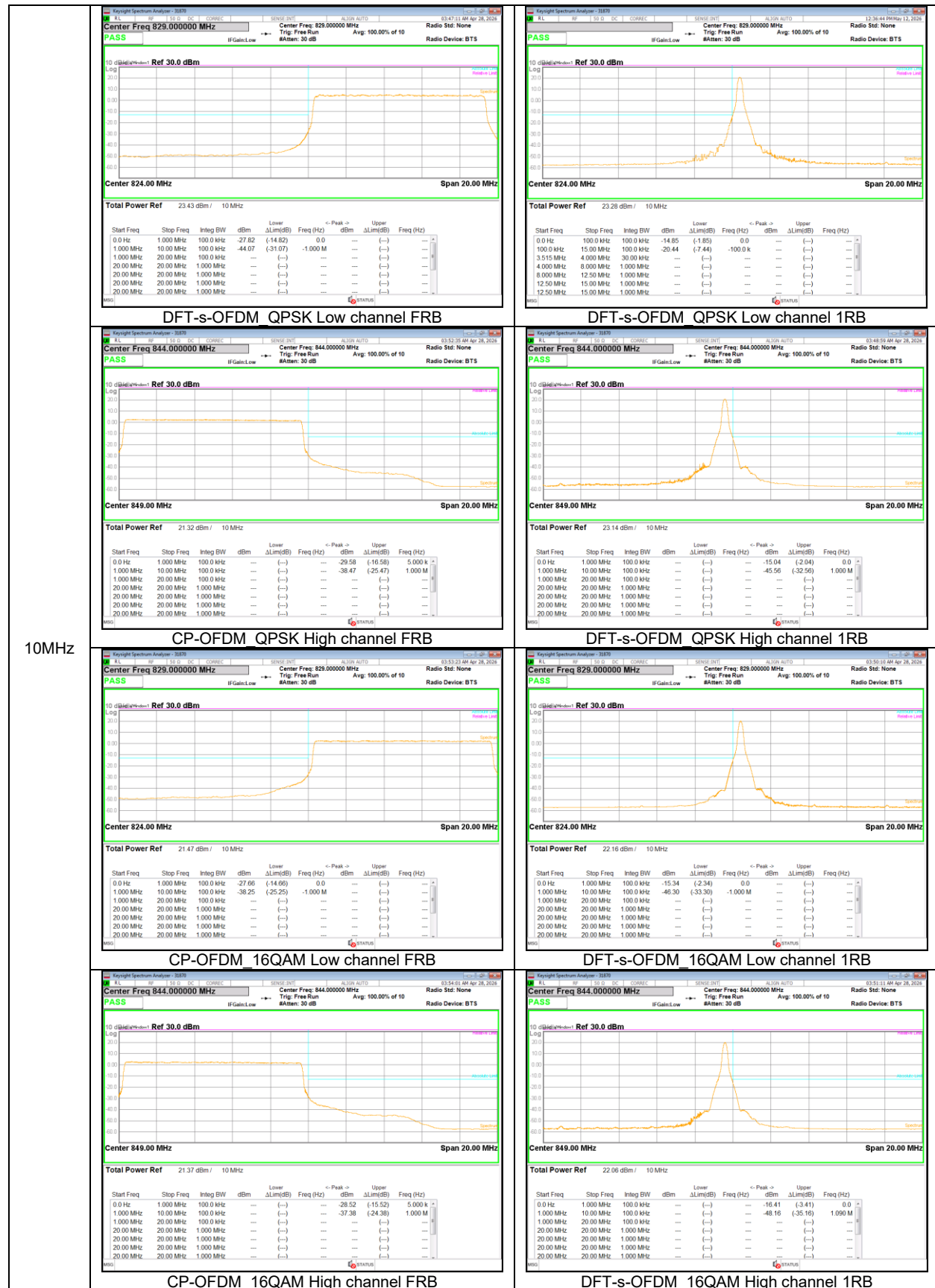
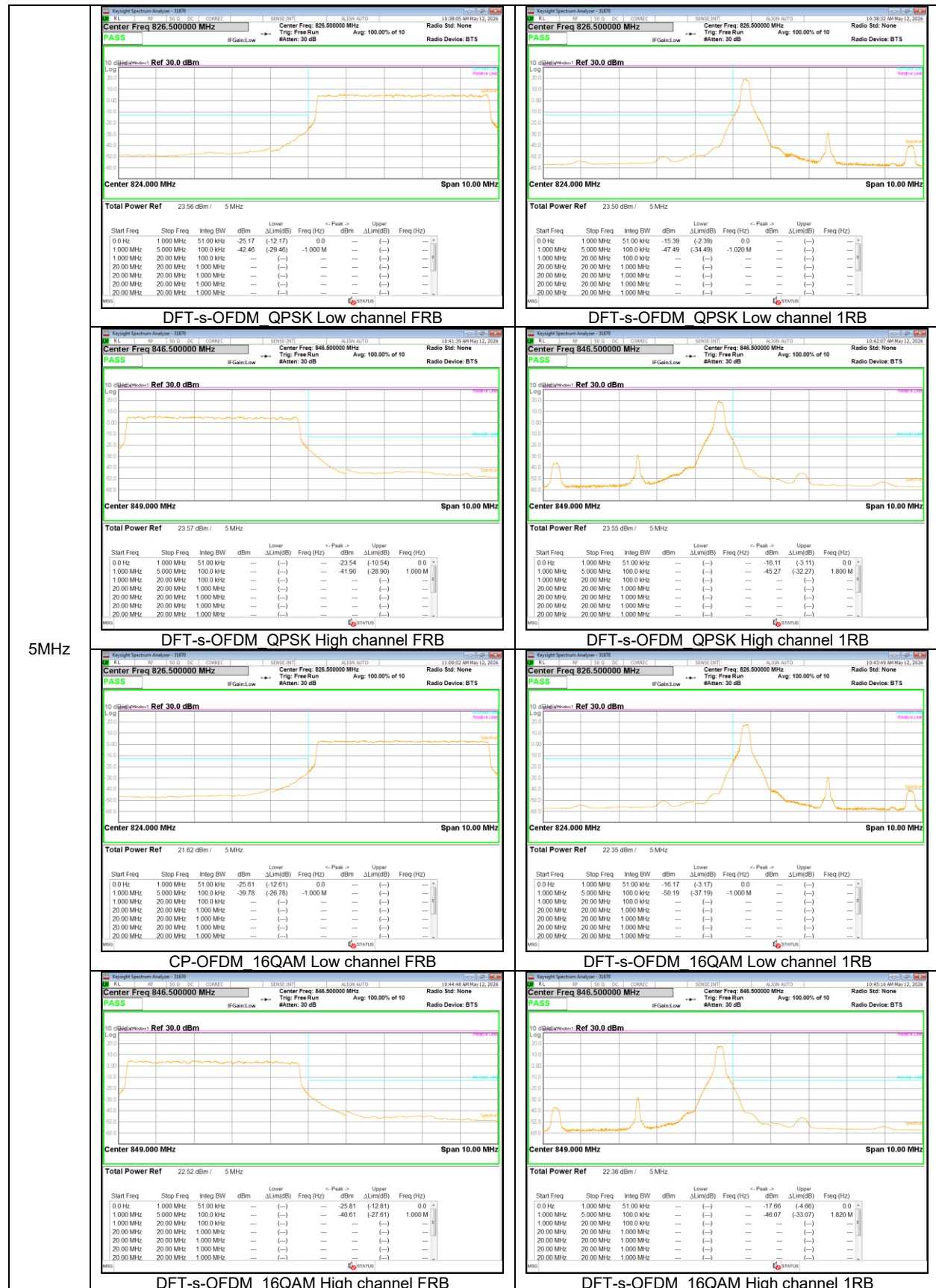






8.5. CONDUCTED SPURIOUS EMISSIONS

RULE PART(S)

FCC: §2.1051, §22.901, §22.917

LIMITS

§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.

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.

- a) Set the RBW = 100 kHz for emission below 1 GHz
(Tests were performed 1MHz [Worst case], to sweep 1 time for all frequency range)
- 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 = Max (40001);
- g) Trace mode = average;

NOTE1

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.

8.5.1. OUT OF BAND EMISSIONS RESULT

LTE Band 5 (ANT A)



NR Band n5 DFT-s OFDM (ANT A)



8.6. FREQUENCY STABILITY

RULE PART(S)

FCC: §2.1055, §22.355

LIMITS

§22.355 - 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

LTE Band 5 (Lowest Frequency: 16QAM / Highest Frequency: QPSK)

Test Date	2026-04-29
Test Engineer	31870

Reference Frequency : Low Channel 824.7 MHz / High Channel 848.3 MHz @ 20°C						
Limit: +/- 2.5 ppm =	Low Channel	2061.750	Hz	High Channel	2120.750	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]	
3.89	50	824.70001662	0.007	848.30002036	-0.002	2.5
3.89	40	824.70001965	0.003	848.30002351	-0.006	2.5
3.89	30	824.70002647	-0.005	848.30001247	0.007	2.5
3.89	20	824.70002247	0.000	848.30001865	0.000	2.5
3.89	10	824.70001523	0.009	848.30002423	-0.007	2.5
3.89	0	824.70001084	0.014	848.30001647	0.003	2.5
3.89	-10	824.70002597	-0.004	848.30002147	-0.003	2.5
3.89	-20	824.70001866	0.005	848.30001935	-0.001	2.5
3.89	-30	824.70001147	0.013	848.30001565	0.004	2.5
Reference Frequency : Low Channel 824.7 MHz / High Channel 848.3 MHz @ 20°C						
Limit: +/- 2.5 ppm =	Low Channel	2061.750	Hz	High Channel	2120.750	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]	
3.89	20	824.70002247	0	848.30001865	0	2.5
4.45	20	824.70001847	0.005	848.30002178	-0.004	2.5
3.70	20	824.70001168	0.013	848.30001568	0.004	2.5

NR Band n5 (Lowest Frequency: 16QAM / Highest Frequency: 16QAM)

Test Date	2026-04-29
Test Engineer	31870

Reference Frequency : Low Channel 826.5 MHz / High Channel 846.5 MHz @ 20°C						
Limit: +/- 2.5 ppm =	Low Channel	2066.250	Hz	High Channel	2116.250	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]	
3.89	50	826.50001135	0.015	846.50000835	0.023	2.5
3.89	40	826.50002041	0.004	846.50001557	0.014	2.5
3.89	30	826.50001521	0.010	846.50001335	0.017	2.5
3.89	20	826.50002360	0.000	846.50002741	0.000	2.5
3.89	10	826.50001347	0.012	846.50001041	0.020	2.5
3.89	0	826.50000964	0.017	846.50000863	0.022	2.5
3.89	-10	826.50002347	0.000	846.50001347	0.016	2.5
3.89	-20	826.50002128	0.003	846.50001580	0.014	2.5
3.89	-30	826.50001824	0.006	846.50001036	0.020	2.5
Reference Frequency : Low Channel 826.5 MHz / High Channel 846.5 MHz @ 20°C						
Limit: +/- 2.5 ppm =	Low Channel	2066.250	Hz	High Channel	2116.250	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]	
3.89	20	826.50002360	0	846.50002741	0	2.5
4.45	20	826.50001925	0.005	846.50002241	0.006	2.5
3.70	20	826.50001348	0.012	846.50001555	0.014	2.5

9. RADIATED RESULTS

9.1. RADIATED POWER (ERP)

RULE PART(S)

FCC: §2.1046, §22.913

LIMITS

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

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) across the entire channel bandwidth,
and FRB configurations were reported for the widest BW.

TEST RESULTS

See the following pages.

9.1.1. ERP RESULT

LTE Band 5 (ANT A)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (dBm)	Delta (dB)	RB
10	QPSK	829.00	22.78	V	3.01	-0.53	19.24	0.084	38.50	-19.26	1 / 49
		836.50	23.86	V	3.02	-0.50	20.33	0.108	38.50	-18.17	1 / 25
		844.00	23.63	V	3.03	-0.47	20.12	0.103	38.50	-18.38	1 / 0
	16-QAM	829.00	21.94	V	3.01	-0.53	18.40	0.069	38.50	-20.10	1 / 49
		836.50	22.68	V	3.02	-0.50	19.15	0.082	38.50	-19.35	1 / 25
		844.00	22.80	V	3.03	-0.47	19.29	0.085	38.50	-19.21	1 / 0
5	QPSK	826.50	22.27	V	3.00	-0.54	18.73	0.075	38.50	-19.77	1 / 12
		836.50	23.74	V	3.02	-0.50	20.22	0.105	38.50	-18.28	1 / 12
		846.50	23.21	V	3.04	-0.46	19.71	0.094	38.50	-18.79	1 / 0
	16-QAM	826.50	21.65	V	3.00	-0.54	18.11	0.065	38.50	-20.39	1 / 12
		836.50	23.07	V	3.02	-0.50	19.55	0.090	38.50	-18.95	1 / 0
		846.50	22.75	V	3.04	-0.46	19.25	0.084	38.50	-19.25	1 / 0
3	QPSK	825.50	22.25	V	3.00	-0.55	18.70	0.074	38.50	-19.80	1 / 8
		836.50	23.68	V	3.02	-0.50	20.16	0.104	38.50	-18.34	1 / 8
		847.50	23.19	V	3.04	-0.46	19.69	0.093	38.50	-18.81	1 / 0
	16-QAM	825.50	21.81	V	3.00	-0.55	18.26	0.067	38.50	-20.24	1 / 8
		836.50	22.67	V	3.02	-0.50	19.15	0.082	38.50	-19.35	1 / 0
		847.50	22.35	V	3.04	-0.46	18.85	0.077	38.50	-19.65	1 / 0
1.4	QPSK	824.70	22.44	V	3.00	-0.55	18.89	0.077	38.50	-19.61	1 / 3
		836.50	23.64	V	3.02	-0.50	20.12	0.103	38.50	-18.38	1 / 0
		848.30	22.86	V	3.04	-0.46	19.36	0.086	38.50	-19.14	1 / 0
	16-QAM	824.70	21.68	V	3.00	-0.55	18.13	0.065	38.50	-20.37	1 / 5
		836.50	22.74	V	3.02	-0.50	19.22	0.084	38.50	-19.28	1 / 0
		848.30	21.95	V	3.04	-0.46	18.45	0.070	38.50	-20.05	1 / 0
10	QPSK	829.00	21.95	V	3.01	-0.53	18.41	0.069	38.50	-20.09	50/0
		836.50	22.74	V	3.02	-0.50	19.21	0.083	38.50	-19.29	50/0
		844.00	22.52	V	3.03	-0.47	19.01	0.080	38.50	-19.49	50/0
	16-QAM	829.00	20.97	V	3.01	-0.53	17.43	0.055	38.50	-21.07	50/0
		836.50	21.69	V	3.02	-0.50	18.16	0.065	38.50	-20.34	50/0
		844.00	21.50	V	3.03	-0.47	17.99	0.063	38.50	-20.51	50/0

LTE Band 5 (ANT A+B)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (dBm)	Delta (dB)	RB
10	QPSK	829.00	25.89	V	3.01	-0.53	22.35	0.172	38.50	-16.15	1 / 49
		836.50	26.11	V	3.02	-0.50	22.58	0.181	38.50	-15.92	1 / 25
		844.00	25.98	V	3.03	-0.47	22.47	0.177	38.50	-16.03	1 / 0
	16-QAM	829.00	25.05	V	3.01	-0.53	21.51	0.142	38.50	-16.99	1 / 49
		836.50	25.13	V	3.02	-0.50	21.60	0.145	38.50	-16.90	1 / 25
		844.00	24.99	V	3.03	-0.47	21.48	0.141	38.50	-17.02	1 / 0
5	QPSK	826.50	25.38	V	3.00	-0.54	21.84	0.153	38.50	-16.66	1 / 12
		836.50	25.99	V	3.02	-0.50	22.47	0.177	38.50	-16.03	1 / 12
		846.50	25.56	V	3.04	-0.46	22.06	0.161	38.50	-16.44	1 / 0
	16-QAM	826.50	24.76	V	3.00	-0.54	21.22	0.132	38.50	-17.28	1 / 12
		836.50	25.52	V	3.02	-0.50	22.00	0.158	38.50	-16.50	1 / 0
		846.50	24.94	V	3.04	-0.46	21.44	0.139	38.50	-17.06	1 / 0
3	QPSK	825.50	25.36	V	3.00	-0.55	21.81	0.152	38.50	-16.69	1 / 8
		836.50	25.93	V	3.02	-0.50	22.41	0.174	38.50	-16.09	1 / 8
		847.50	25.54	V	3.04	-0.46	22.04	0.160	38.50	-16.46	1 / 0
	16-QAM	825.50	24.92	V	3.00	-0.55	21.37	0.137	38.50	-17.13	1 / 8
		836.50	25.12	V	3.02	-0.50	21.60	0.145	38.50	-16.90	1 / 0
		847.50	24.54	V	3.04	-0.46	21.04	0.127	38.50	-17.46	1 / 0
1.4	QPSK	824.70	25.55	V	3.00	-0.55	22.00	0.158	38.50	-16.50	1 / 3
		836.50	25.89	V	3.02	-0.50	22.37	0.173	38.50	-16.13	1 / 0
		848.30	25.21	V	3.04	-0.46	21.71	0.148	38.50	-16.79	1 / 0
	16-QAM	824.70	24.79	V	3.00	-0.55	21.24	0.133	38.50	-17.26	1 / 5
		836.50	25.19	V	3.02	-0.50	21.67	0.147	38.50	-16.83	1 / 0
		848.30	24.14	V	3.04	-0.46	20.64	0.116	38.50	-17.86	1 / 0
10	QPSK	829.00	25.06	V	3.01	-0.53	21.52	0.142	38.50	-16.98	50/0
		836.50	24.99	V	3.02	-0.50	21.46	0.140	38.50	-17.04	50/0
		844.00	24.87	V	3.03	-0.47	21.36	0.137	38.50	-17.14	50/0
	16-QAM	829.00	24.08	V	3.01	-0.53	20.54	0.113	38.50	-17.96	50/0
		836.50	24.14	V	3.02	-0.50	20.61	0.115	38.50	-17.89	50/0
		844.00	23.69	V	3.03	-0.47	20.18	0.104	38.50	-18.32	50/0

NR Band n5 DFT-s OFDM (ANT A)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (dBm)	Delta (dB)	RB
20	QPSK	834.00	24.42	V	3.02	-0.51	20.89	0.123	38.50	-17.61	1 / 1
		836.50	24.05	V	3.02	-0.50	20.52	0.113	38.50	-17.98	1 / 1
		839.00	24.06	V	3.03	-0.49	20.54	0.113	38.50	-17.96	1 / 1
	16-QAM	834.00	23.32	V	3.02	-0.51	19.79	0.095	38.50	-18.71	1 / 1
		836.50	23.13	V	3.02	-0.50	19.60	0.091	38.50	-18.90	1 / 1
		839.00	23.09	V	3.03	-0.49	19.57	0.091	38.50	-18.93	1 / 1
15	QPSK	831.50	24.33	V	3.01	-0.52	20.80	0.120	38.50	-17.70	1 / 1
		836.50	24.09	V	3.02	-0.50	20.57	0.114	38.50	-17.93	1 / 1
		841.50	23.99	V	3.03	-0.48	20.48	0.112	38.50	-18.02	1 / 1
	16-QAM	831.50	22.99	V	3.01	-0.52	19.46	0.088	38.50	-19.04	1 / 1
		836.50	23.19	V	3.02	-0.50	19.67	0.093	38.50	-18.83	1 / 1
		841.50	23.01	V	3.03	-0.48	19.50	0.089	38.50	-19.00	1 / 1
10	QPSK	829.00	24.41	V	3.01	-0.53	20.87	0.122	38.50	-17.63	1 / 1
		836.50	24.09	V	3.02	-0.50	20.57	0.114	38.50	-17.93	1 / 25
		844.00	23.94	V	3.03	-0.47	20.44	0.111	38.50	-18.06	1 / 1
	16-QAM	829.00	23.02	V	3.01	-0.53	19.48	0.089	38.50	-19.02	1 / 1
		836.50	23.25	V	3.02	-0.50	19.73	0.094	38.50	-18.77	1 / 49
		844.00	22.99	V	3.03	-0.47	19.49	0.089	38.50	-19.01	1 / 1
5	QPSK	826.50	24.51	V	3.00	-0.54	20.97	0.125	38.50	-17.53	1 / 1
		836.50	24.20	V	3.02	-0.50	20.68	0.117	38.50	-17.82	1 / 23
		846.50	23.90	V	3.04	-0.46	20.40	0.110	38.50	-18.10	1 / 1
	16-QAM	826.50	23.07	V	3.00	-0.54	19.53	0.090	38.50	-18.97	1 / 12
		836.50	23.23	V	3.02	-0.50	19.71	0.094	38.50	-18.79	1 / 1
		846.50	22.93	V	3.04	-0.46	19.43	0.088	38.50	-19.07	1 / 12
20	QPSK	834.00	23.38	V	3.02	-0.51	19.85	0.097	38.50	-18.65	100/0
		836.50	23.08	V	3.02	-0.50	19.55	0.090	38.50	-18.95	100/0
		839.00	22.92	V	3.03	-0.49	19.40	0.087	38.50	-19.10	100/0
	16-QAM	834.00	21.93	V	3.02	-0.51	18.40	0.069	38.50	-20.10	100/0
		836.50	22.12	V	3.02	-0.50	18.59	0.072	38.50	-19.91	100/0
		839.00	21.94	V	3.03	-0.49	18.42	0.070	38.50	-20.08	100/0

NR Band n5 DFT-s OFDM (ANT A+B)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (W)	Limit (dBm)	Delta (dB)	RB
20	QPSK	834.00	25.86	V	3.02	-0.51	22.33	0.171	38.50	-16.17	1 / 1
		836.50	25.78	V	3.02	-0.50	22.25	0.168	38.50	-16.25	1 / 1
		839.00	25.12	V	3.03	-0.49	21.60	0.145	38.50	-16.90	1 / 1
	16-QAM	834.00	25.06	V	3.02	-0.51	21.53	0.142	38.50	-16.97	1 / 1
		836.50	24.49	V	3.02	-0.50	20.96	0.125	38.50	-17.54	1 / 1
		839.00	24.47	V	3.03	-0.49	20.95	0.124	38.50	-17.55	1 / 1
15	QPSK	831.50	25.77	V	3.01	-0.52	22.24	0.167	38.50	-16.26	1 / 1
		836.50	25.82	V	3.02	-0.50	22.30	0.170	38.50	-16.20	1 / 1
		841.50	25.05	V	3.03	-0.48	21.54	0.143	38.50	-16.96	1 / 1
	16-QAM	831.50	24.73	V	3.01	-0.52	21.20	0.132	38.50	-17.30	1 / 1
		836.50	24.55	V	3.02	-0.50	21.03	0.127	38.50	-17.47	1 / 1
		841.50	24.39	V	3.03	-0.48	20.88	0.122	38.50	-17.62	1 / 1
10	QPSK	829.00	25.85	V	3.01	-0.53	22.31	0.170	38.50	-16.19	1 / 1
		836.50	25.82	V	3.02	-0.50	22.30	0.170	38.50	-16.20	1 / 25
		844.00	25.00	V	3.03	-0.47	21.50	0.141	38.50	-17.00	1 / 1
	16-QAM	829.00	24.76	V	3.01	-0.53	21.22	0.132	38.50	-17.28	1 / 1
		836.50	24.61	V	3.02	-0.50	21.09	0.129	38.50	-17.41	1 / 49
		844.00	24.37	V	3.03	-0.47	20.87	0.122	38.50	-17.63	1 / 1
5	QPSK	826.50	25.95	V	3.00	-0.54	22.41	0.174	38.50	-16.09	1 / 1
		836.50	25.93	V	3.02	-0.50	22.41	0.174	38.50	-16.09	1 / 23
		846.50	24.96	V	3.04	-0.46	21.46	0.140	38.50	-17.04	1 / 1
	16-QAM	826.50	24.81	V	3.00	-0.54	21.27	0.134	38.50	-17.23	1 / 12
		836.50	24.59	V	3.02	-0.50	21.07	0.128	38.50	-17.43	1 / 1
		846.50	24.31	V	3.04	-0.46	20.81	0.121	38.50	-17.69	1 / 12
20	QPSK	834.00	24.82	V	3.02	-0.51	21.29	0.135	38.50	-17.21	100/0
		836.50	24.81	V	3.02	-0.50	21.28	0.134	38.50	-17.22	100/0
		839.00	23.98	V	3.03	-0.49	20.46	0.111	38.50	-18.04	100/0
	16-QAM	834.00	23.67	V	3.02	-0.51	20.14	0.103	38.50	-18.36	100/0
		836.50	23.48	V	3.02	-0.50	19.95	0.099	38.50	-18.55	100/0
		839.00	23.32	V	3.03	-0.49	19.80	0.095	38.50	-18.70	100/0

9.2. RADIATED SPURIOUS EMISSION

RULE PART(S)

FCC: §2.1053, §22.917

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.

TEST PROCEDURE

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

For peak power measurement with a ESU40:

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

NOTE1

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

LTE Band 5

10 MHz QPSK ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement											
	Company:		Samsung									
	Project #:		4792147635									
	Date:		2026-04-29									
	Test Engineer:		33535									
	Configuration:		EUT / Y-Position, FF									
	Location:		Chamber 1									
	Mode:		LTE_QPSK Band 5 Harmonics, 10MHz Bandwidth									
	Test Votage:		AC 120 V, 60 Hz									
	f MHz		SA reading (dBm)	Ant. Pol. (H/V)	Distance (m)	AFCL (dB/m)	Conversion Factor(dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	
	Low Ch, 829MHz											
	1658.00		-70.3	V	3.0	-7.2	11.74	-65.8	-13.0	-52.8		
	2487.00		-75.1	V	3.0	-2.6	11.74	-65.9	-13.0	-52.9	NF	
	3316.00		-75.4	V	3.0	-1.0	11.74	-64.7	-13.0	-51.7	NF	
	1658.00		-70.6	H	3.0	-7.2	11.74	-66.1	-13.0	-53.1		
	2487.00		-75.1	H	3.0	-2.6	11.74	-65.9	-13.0	-52.9	NF	
	3316.00		-75.4	H	3.0	-1.0	11.74	-64.6	-13.0	-51.6	NF	
	Mid Ch, 836.5MHz											
	1673.00		-72.0	V	3.0	-7.1	11.74	-67.4	-13.0	-54.4		
2509.50		-75.1	V	3.0	-2.5	11.74	-65.9	-13.0	-52.9	NF		
3346.00		-75.7	V	3.0	-0.9	11.74	-64.8	-13.0	-51.8	NF		
High Ch, 844MHz												
1688.00		-73.5	V	3.0	-7.0	11.74	-68.8	-13.0	-55.8			
2532.00		-75.0	V	3.0	-2.5	11.74	-65.7	-13.0	-52.7	NF		
3376.00		-75.6	V	3.0	-0.8	11.74	-64.7	-13.0	-51.7	NF		
NF : Noise Floor												
10 MHz QPSK ANT A+B	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement											
	Company:		Samsung									
	Project #:		4792147635									
	Date:		2026-04-28									
	Test Engineer:		33535									
	Configuration:		EUT / AC Adapter, X-Position, Open									
	Location:		Chamber 1									
	Mode:		LTE_QPSK Band 5 Harmonics, 10MHz Bandwidth									
	Test Votage:		AC 120 V, 60 Hz									
	f MHz		SA reading (dBm)	Ant. Pol. (H/V)	Distance (m)	AFCL (dB/m)	Conversion Factor(dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	
	Low Ch, 829MHz											
	1658.00		-70.6	H	3.0	-7.2	11.74	-66.1	-13.0	-53.1		
	2487.00		-75.0	H	3.0	-2.6	11.74	-65.8	-13.0	-52.8		
	3316.00		-75.6	H	3.0	-1.0	11.74	-64.8	-13.0	-51.8	NF	
	4145.00		-75.9	H	3.0	0.6	11.74	-63.6	-13.0	-50.6	NF	
	Mid Ch, 836.5MHz											
	1673.00		-70.6	H	3.0	-7.1	11.74	-66.0	-13.0	-53.0		
	2509.50		-74.8	H	3.0	-2.5	11.74	-65.5	-13.0	-52.5		
	3346.00		-75.9	H	3.0	-0.9	11.74	-65.0	-13.0	-52.0	NF	
	4182.50		-75.5	H	3.0	0.5	11.74	-63.2	-13.0	-50.2	NF	
	High Ch, 844MHz											
	1688.00		-72.9	V	3.0	-7.0	11.74	-68.2	-13.0	-55.2		
	2532.00		-74.7	V	3.0	-2.5	11.74	-65.4	-13.0	-52.4		
	3376.00		-75.5	V	3.0	-0.8	11.74	-64.6	-13.0	-51.6	NF	
	4220.00		-75.5	V	3.0	0.6	11.74	-63.2	-13.0	-50.2	NF	
	1688.00		-71.9	H	3.0	-7.0	11.74	-67.2	-13.0	-54.2		
2532.00		-74.5	H	3.0	-2.5	11.74	-65.3	-13.0	-52.3			
3376.00		-75.6	H	3.0	-0.8	11.74	-64.6	-13.0	-51.6	NF		
4220.00		-75.6	H	3.0	0.6	11.74	-63.2	-13.0	-50.2	NF		
NF : Noise Floor												

NR Band n5 DFT-s OFDM

5 MHz DFT-s-OFDM QPSK ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4792147635 Date: 2026-05-08 Test Engineer: 26087 Configuration: EUT / AC Adapter, Y-Position, FF Location: Chamber 1 Mode: 5G NR_QPSK NR n5 Harmonics, 5MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SA reading (dBm)	Ant. Pol. (H/V)	Distance (m)	AFCL (dB/m)	Conversion Factor(dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 826.5MHz									
	1653.00	-73.1	H	3.0	-7.2	11.74	-68.6	-13.0	-55.6	
	2479.50	-75.2	H	3.0	-2.6	11.74	-66.0	-13.0	-53.0	NF
	3306.00	-75.7	H	3.0	-1.0	11.74	-65.0	-13.0	-52.0	NF
	Mid Ch, 836.5MHz									
	1673.00	-71.8	V	3.0	-7.1	11.74	-67.2	-13.0	-54.2	
	2509.50	-75.1	V	3.0	-2.5	11.74	-65.9	-13.0	-52.9	NF
	3346.00	-75.5	V	3.0	-0.9	11.74	-64.6	-13.0	-51.6	NF
	1673.00	-71.1	H	3.0	-7.1	11.74	-66.5	-13.0	-53.5	
	2509.50	-75.1	H	3.0	-2.5	11.74	-65.9	-13.0	-52.9	NF
	3346.00	-75.6	H	3.0	-0.9	11.74	-64.8	-13.0	-51.8	NF
	High Ch, 846.5MHz									
	1693.00	-72.4	H	3.0	-7.0	11.74	-67.6	-13.0	-54.6	
	2539.50	-75.1	H	3.0	-2.5	11.74	-65.8	-13.0	-52.8	NF
	3386.00	-75.6	H	3.0	-0.7	11.74	-64.6	-13.0	-51.6	NF
	NF : Noise Floor									
5 MHz DFT-s-OFDM QPSK ANT A+B	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4792147635 Date: 2026-05-08 Test Engineer: 26087 Configuration: EUT / AC Adapter, Z-Position, Open Location: Chamber 1 Mode: 5G NR_QPSK NR n5 Harmonics, 5MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SA reading (dBm)	Ant. Pol. (H/V)	Distance (m)	AFCL (dB/m)	Conversion Factor(dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 826.5MHz									
	1653.00	-71.1	H	3.0	-7.2	11.74	-66.6	-13.0	-53.6	
	2479.50	-75.1	H	3.0	-2.6	11.74	-65.9	-13.0	-52.9	
	3306.00	-75.6	H	3.0	-1.0	11.74	-64.9	-13.0	-51.9	NF
	4132.50	-75.6	H	3.0	0.6	11.74	-63.3	-13.0	-50.3	NF
	Mid Ch, 836.5MHz									
	1673.00	-69.7	V	3.0	-7.1	11.74	-65.0	-13.0	-52.0	
	2509.50	-75.0	V	3.0	-2.5	11.74	-65.8	-13.0	-52.8	
	3346.00	-75.5	V	3.0	-0.9	11.74	-64.6	-13.0	-51.6	NF
	4182.50	-75.4	V	3.0	0.5	11.74	-63.1	-13.0	-50.1	NF
	1673.00	-68.4	H	3.0	-7.1	11.74	-63.7	-13.0	-50.7	
	2509.50	-74.9	H	3.0	-2.5	11.74	-65.7	-13.0	-52.7	
	3346.00	-75.5	H	3.0	-0.9	11.74	-64.7	-13.0	-51.7	NF
	4182.50	-75.4	H	3.0	0.5	11.74	-63.1	-13.0	-50.1	NF
	High Ch, 846.5MHz									
	1693.00	-71.4	H	3.0	-7.0	11.74	-66.6	-13.0	-53.6	
	2539.50	-75.0	H	3.0	-2.5	11.74	-65.7	-13.0	-52.7	
	3386.00	-75.7	H	3.0	-0.7	11.74	-64.6	-13.0	-51.6	NF
	4232.50	-75.3	H	3.0	0.7	11.74	-62.9	-13.0	-49.9	NF
	NF : Noise Floor									

END OF REPORT