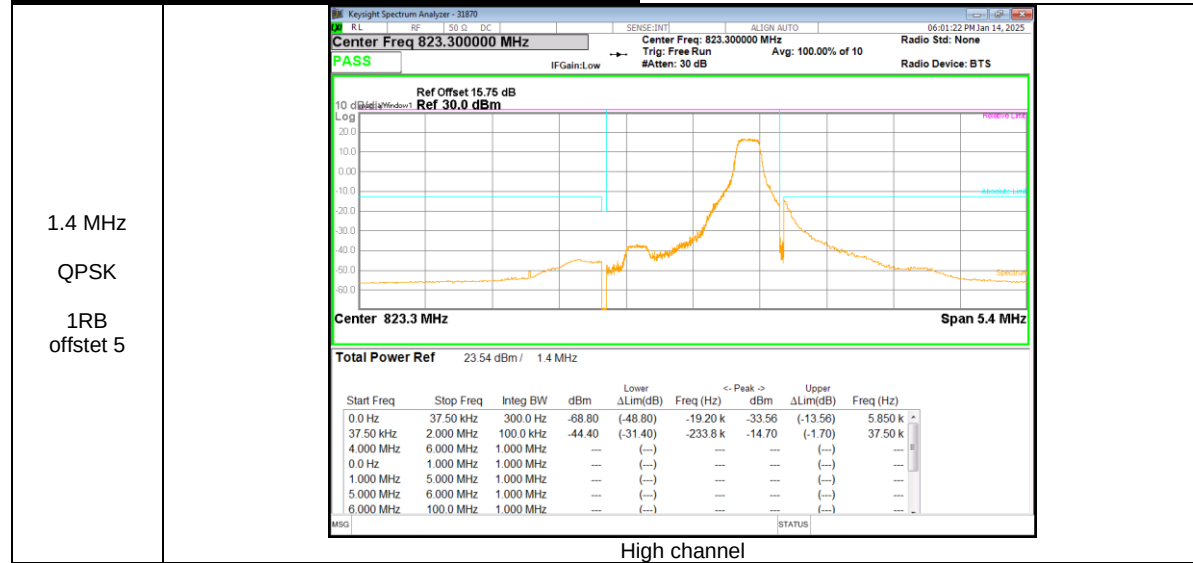


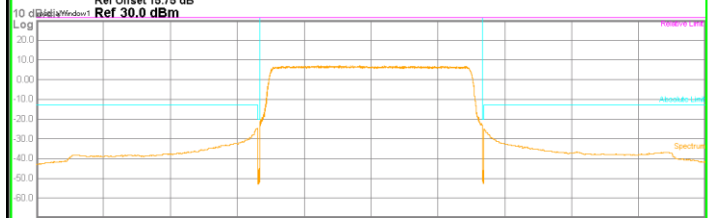
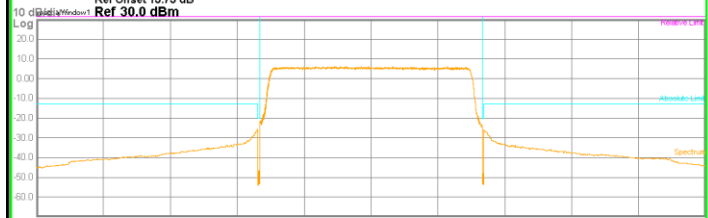
LTE Band 26 (Part 90) 1 RB (Worst Case) (ANT E)



LTE Band 26 (Straddle) Full RB (ANT E)



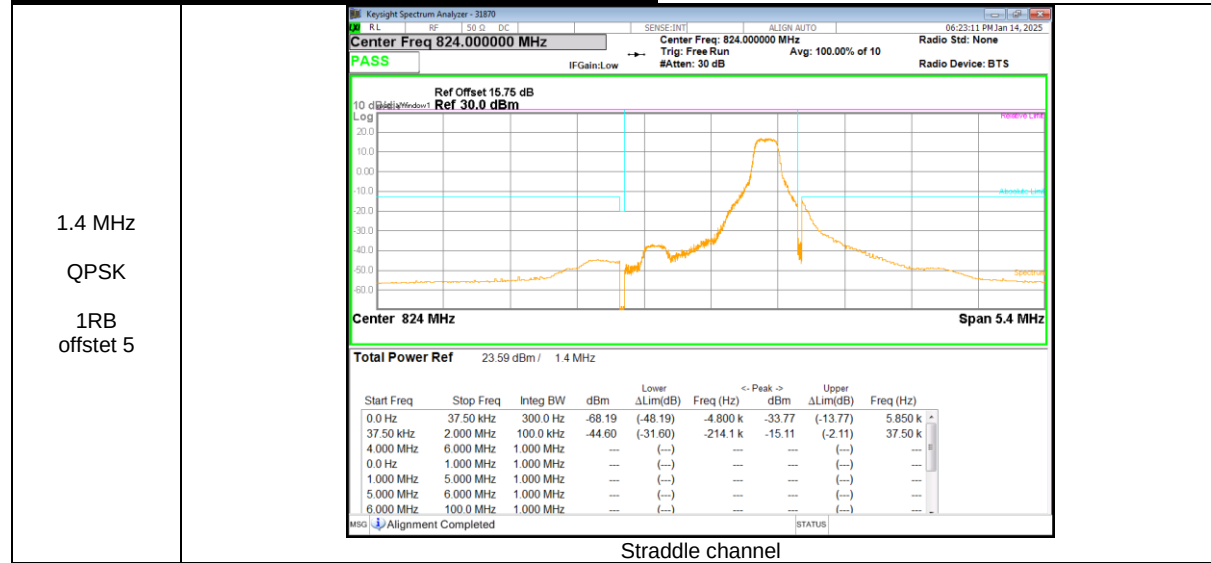
10 MHz QPSK FRB	Keysight Spectrum Analyzer - 31870 RLRF500DCSENSE-INTALIGN AUTO04:06:39 PM Jan 14, 2025 Center Freq 824.000000 MHz Center Freq: 824.000000 MHz Trig: Free Run #Atten: 30 dB Avg: 100.00% of 10 Radio Std: None PASS IF Gain: Low Radio Device: BTS Ref Offset 15.75 dB Ref 30.0 dBm Log 10 20 0.00 10.0 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 10.00 MHz 100.0 kHz 1.000 MHz 1.000 MHz 5.000 MHz 6.000 MHz 100.0 MHz 10.00 MHz 100.0 kHz 1.000 MHz 1.000 MHz 5.000 MHz 6.000 MHz 100.0 MHz 10.00 MHz 100.0 kHz 1.000 MHz 1.000 MHz 5.000 MHz 6.000 MHz 100.0 MHz 10.00 MHz 100.0 kHz 1.000 MHz 1.000 MHz 5.000 MHz 6.000 MHz 100.0 MHz 10.00 MHz 100.0 kHz 1.000 MHz 1.000 MHz 5.000 MHz 6.000 MHz 100.0 MHz 10.00 MHz 100.0 kHz 1.000 MHz 1.000 MHz 5.000 MHz 6.000 MHz 100.0 MHz 10.00 MHz 100.0 kHz 1.000 MHz 1.000 MHz 5.000 MHz 6.000 MHz 100.0 MHz 10.00 MHz 100.0 kHz 1.000 MHz 1.000 MHz 5.000 MHz 6.000 MHz 100.0 MHz 10.00 MHz 100.0 kHz 1.000 MHz 1.000 MHz 5.000 MHz 6.000 MHz 100.0 MHz 10.00 MHz 100.0 kHz 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5 MHz QPSK FRB	Keyight Spectrum Analyzer - 31870 Center Freq 824.000000 MHz PASS IF Gain: Low Center Freq: 824.000000 MHz Trig: Free Run #Atten: 30 dB Avg: 100.00% of 10 Radio Std: None Radio Device: BTS Ref Offset 15.75 dB Ref 30.0 dBm  Center 824 MHz Span 15 MHz Total Power Ref 22.55 dBm / 5 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Peak (Hz)</th><th>Upper ΔLim(dB)</th><th>Peak (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>37.50 kHz</td><td>300.0 Hz</td><td>-44.76</td><td>(-24.76)</td><td>0.0</td><td>-45.99</td><td>(-25.99)</td></tr><tr><td>37.50 kHz</td><td>5.000 MHz</td><td>100.0 kHz</td><td>-24.63</td><td>(-11.63)</td><td>-37.50 k</td><td>-24.95</td><td>(-11.95)</td></tr><tr><td>4.000 MHz</td><td>6.000 MHz</td><td>1.000 MHz</td><td>---</td><td>(---)</td><td>---</td><td>---</td><td>(---)</td></tr><tr><td>0.0 Hz</td><td>1.000 MHz</td><td>1.000 MHz</td><td>---</td><td>(---)</td><td>---</td><td>---</td><td>(---)</td></tr><tr><td>1.000 MHz</td><td>5.000 MHz</td><td>1.000 MHz</td><td>---</td><td>(---)</td><td>---</td><td>---</td><td>(---)</td></tr><tr><td>5.000 MHz</td><td>6.000 MHz</td><td>1.000 MHz</td><td>---</td><td>(---)</td><td>---</td><td>---</td><td>(---)</td></tr><tr><td>6.000 MHz</td><td>100.0 MHz</td><td>1.000 MHz</td><td>---</td><td>(---)</td><td>---</td><td>---</td><td>(---)</td></tr></tbody></table> MISO STATUS Straddle channel	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak (Hz)	Upper ΔLim(dB)	Peak (Hz)	0.0 Hz	37.50 kHz	300.0 Hz	-44.76	(-24.76)	0.0	-45.99	(-25.99)	37.50 kHz	5.000 MHz	100.0 kHz	-24.63	(-11.63)	-37.50 k	-24.95	(-11.95)	4.000 MHz	6.000 MHz	1.000 MHz	---	(---)	---	---	(---)	0.0 Hz	1.000 MHz	1.000 MHz	---	(---)	---	---	(---)	1.000 MHz	5.000 MHz	1.000 MHz	---	(---)	---	---	(---)	5.000 MHz	6.000 MHz	1.000 MHz	---	(---)	---	---	(---)	6.000 MHz	100.0 MHz	1.000 MHz	---	(---)	---	---	(---)
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak (Hz)	Upper ΔLim(dB)	Peak (Hz)																																																										
0.0 Hz	37.50 kHz	300.0 Hz	-44.76	(-24.76)	0.0	-45.99	(-25.99)																																																										
37.50 kHz	5.000 MHz	100.0 kHz	-24.63	(-11.63)	-37.50 k	-24.95	(-11.95)																																																										
4.000 MHz	6.000 MHz	1.000 MHz	---	(---)	---	---	(---)																																																										
0.0 Hz	1.000 MHz	1.000 MHz	---	(---)	---	---	(---)																																																										
1.000 MHz	5.000 MHz	1.000 MHz	---	(---)	---	---	(---)																																																										
5.000 MHz	6.000 MHz	1.000 MHz	---	(---)	---	---	(---)																																																										
6.000 MHz	100.0 MHz	1.000 MHz	---	(---)	---	---	(---)																																																										
5 MHz 16QAM FRB	Keyight Spectrum Analyzer - 31870 Center Freq 824.000000 MHz PASS IF Gain: Low Center Freq: 824.000000 MHz Trig: Free Run #Atten: 30 dB Avg: 100.00% of 10 Radio Std: None Radio Device: BTS Ref Offset 15.75 dB Ref 30.0 dBm  Center 824 MHz Span 15 MHz Total Power Ref 21.53 dBm / 5 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Peak (Hz)</th><th>Upper ΔLim(dB)</th><th>Peak (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>37.50 kHz</td><td>300.0 Hz</td><td>-46.61</td><td>(-26.61)</td><td>-13.95 k</td><td>-46.93</td><td>(-26.93)</td></tr><tr><td>37.50 kHz</td><td>5.000 MHz</td><td>100.0 kHz</td><td>-25.59</td><td>(-12.59)</td><td>-37.50 k</td><td>-26.18</td><td>(-13.18)</td></tr><tr><td>4.000 MHz</td><td>6.000 MHz</td><td>1.000 MHz</td><td>---</td><td>(---)</td><td>---</td><td>---</td><td>(---)</td></tr><tr><td>0.0 Hz</td><td>1.000 MHz</td><td>1.000 MHz</td><td>---</td><td>(---)</td><td>---</td><td>---</td><td>(---)</td></tr><tr><td>1.000 MHz</td><td>5.000 MHz</td><td>1.000 MHz</td><td>---</td><td>(---)</td><td>---</td><td>---</td><td>(---)</td></tr><tr><td>5.000 MHz</td><td>6.000 MHz</td><td>1.000 MHz</td><td>---</td><td>(---)</td><td>---</td><td>---</td><td>(---)</td></tr><tr><td>6.000 MHz</td><td>100.0 MHz</td><td>1.000 MHz</td><td>---</td><td>(---)</td><td>---</td><td>---</td><td>(---)</td></tr></tbody></table> MISO STATUS Straddle channel	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak (Hz)	Upper ΔLim(dB)	Peak (Hz)	0.0 Hz	37.50 kHz	300.0 Hz	-46.61	(-26.61)	-13.95 k	-46.93	(-26.93)	37.50 kHz	5.000 MHz	100.0 kHz	-25.59	(-12.59)	-37.50 k	-26.18	(-13.18)	4.000 MHz	6.000 MHz	1.000 MHz	---	(---)	---	---	(---)	0.0 Hz	1.000 MHz	1.000 MHz	---	(---)	---	---	(---)	1.000 MHz	5.000 MHz	1.000 MHz	---	(---)	---	---	(---)	5.000 MHz	6.000 MHz	1.000 MHz	---	(---)	---	---	(---)	6.000 MHz	100.0 MHz	1.000 MHz	---	(---)	---	---	(---)
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak (Hz)	Upper ΔLim(dB)	Peak (Hz)																																																										
0.0 Hz	37.50 kHz	300.0 Hz	-46.61	(-26.61)	-13.95 k	-46.93	(-26.93)																																																										
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4.000 MHz	6.000 MHz	1.000 MHz	---	(---)	---	---	(---)																																																										
0.0 Hz	1.000 MHz	1.000 MHz	---	(---)	---	---	(---)																																																										
1.000 MHz	5.000 MHz	1.000 MHz	---	(---)	---	---	(---)																																																										
5.000 MHz	6.000 MHz	1.000 MHz	---	(---)	---	---	(---)																																																										
6.000 MHz	100.0 MHz	1.000 MHz	---	(---)	---	---	(---)																																																										





LTE Band 26 (Straddle) 1 RB (Worst Case) (ANT E)



NR Band n26 (Part 90) Full RB (ANT A)

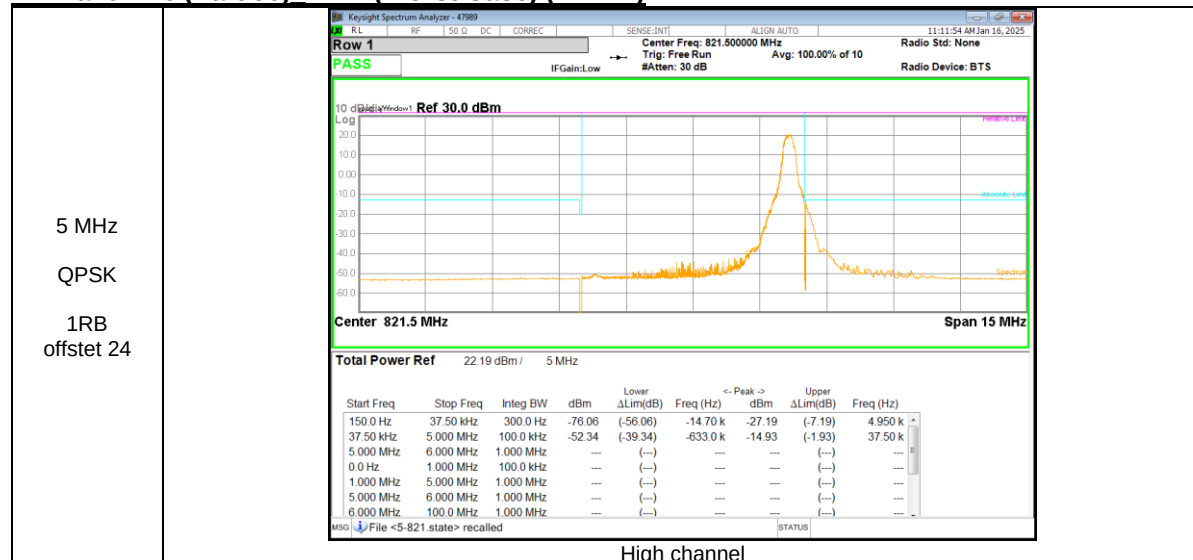








NR Band n26 (Part 90) 1 RB (Worst Case) (ANT A)

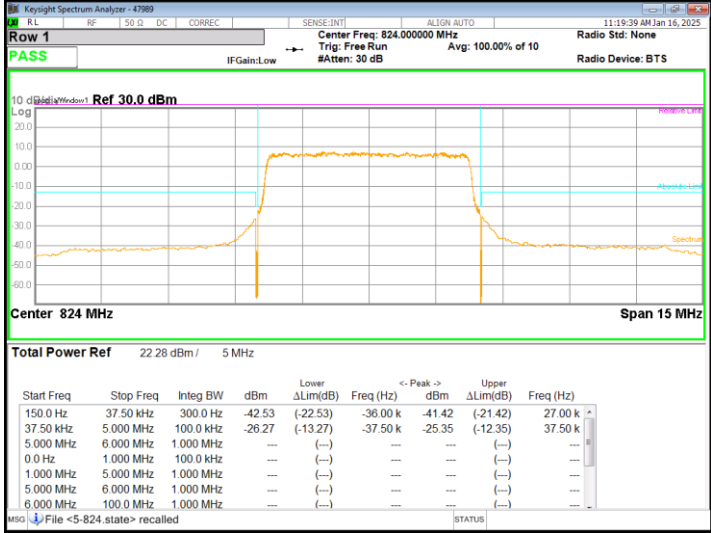
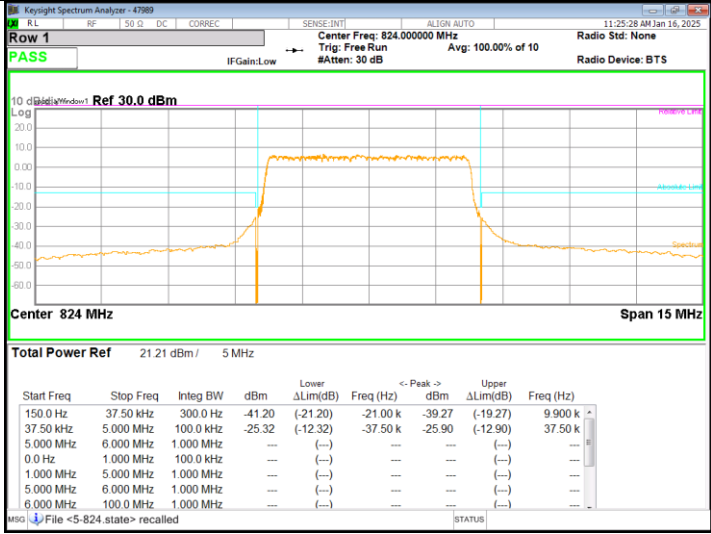
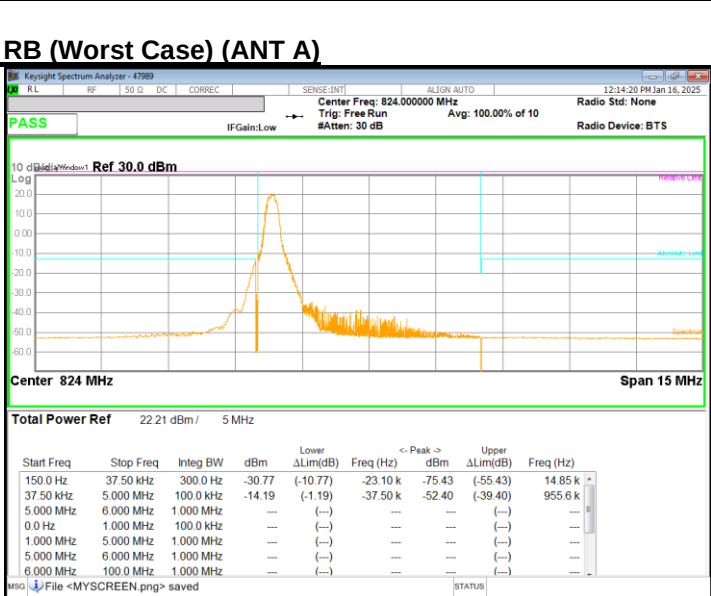


NR Band n26 (Straddle) Full RB (ANT A)







5 MHz QPSK FRB	 Straddle channel
5 MHz 16QAM FRB	 Straddle channel
5 MHz 16QAM 1RB offset 5	 Straddle channel

8.5. CONDUCTED SPURIOUS EMISSIONS

RULE PART(S)

FCC: §2.1051, §22.901, §22.917 and §90.691.

LIMITS

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.

Part 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

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(WCDMA, LTE, 5G NR), Max hold(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

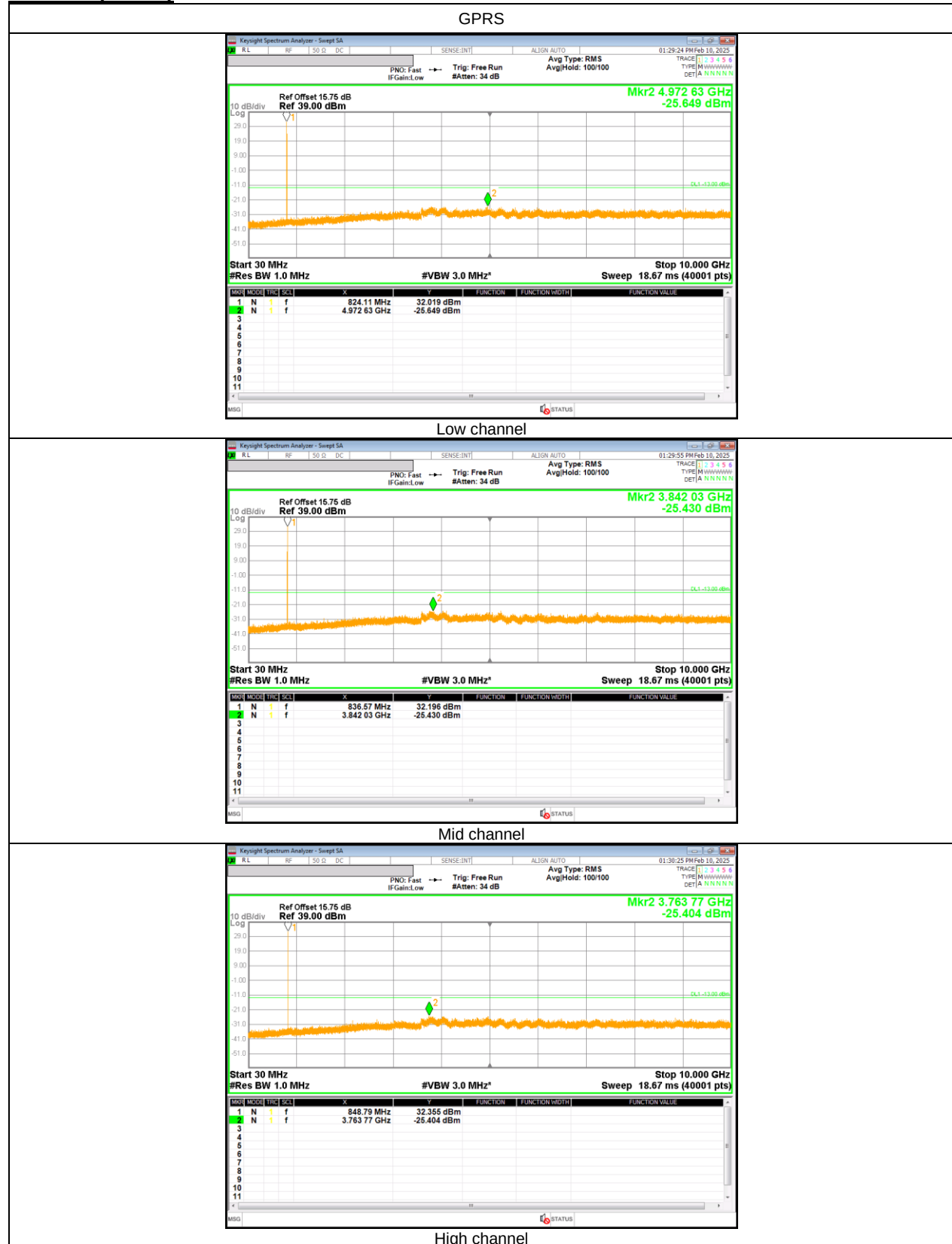
Please refer to section 5.4 for bandwidth and RB setting about LTE, 5G NR bands.

RESULTS

See the following pages.

8.5.1. OUT OF BAND EMISSIONS RESULT

GSM 850 (ANT A)



WCDMA Band 5 (ANT A)



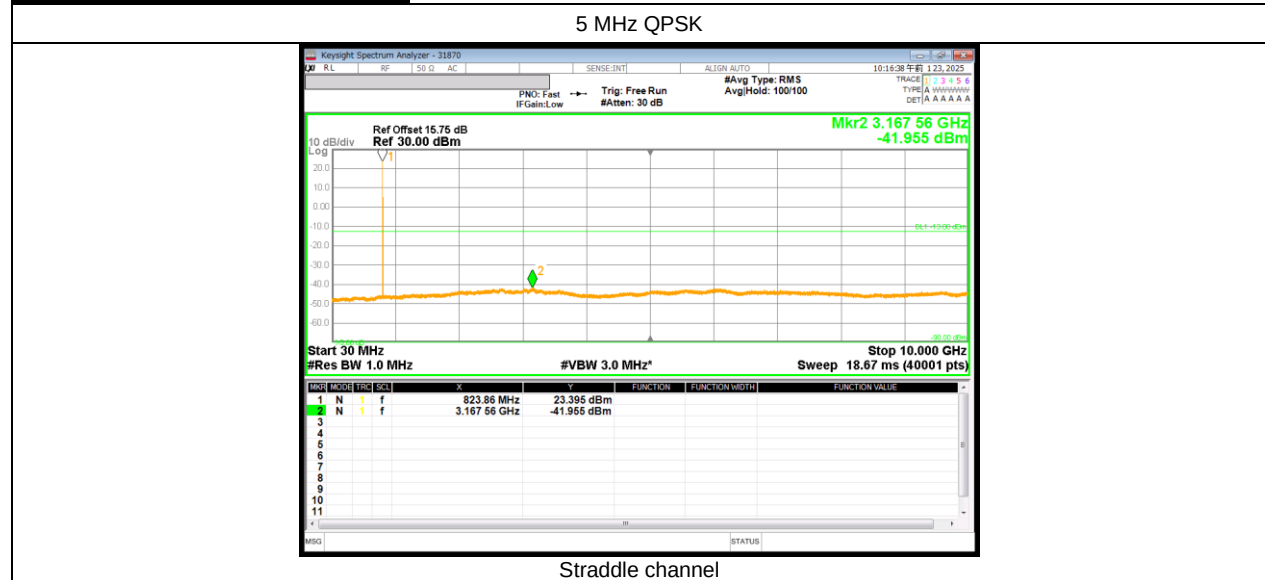
LTE Band 14 (ANT A)



LTE Band 26 (Part 90) (ANT E)

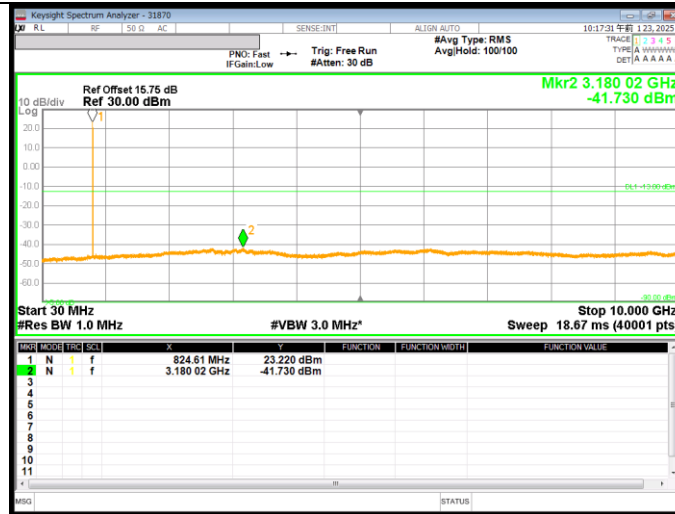


LTE Band 26 (Straddle) (ANT E)

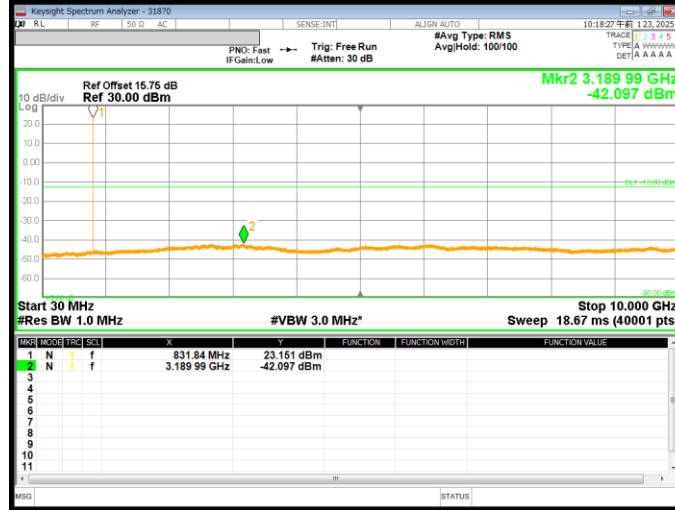


LTE Band 26 (Part 22) (ANT E)

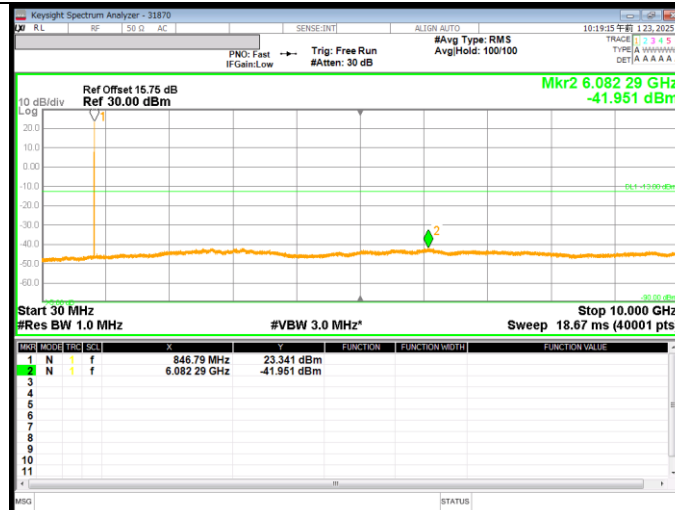
5 MHz QPSK



Low channel



Mid channel

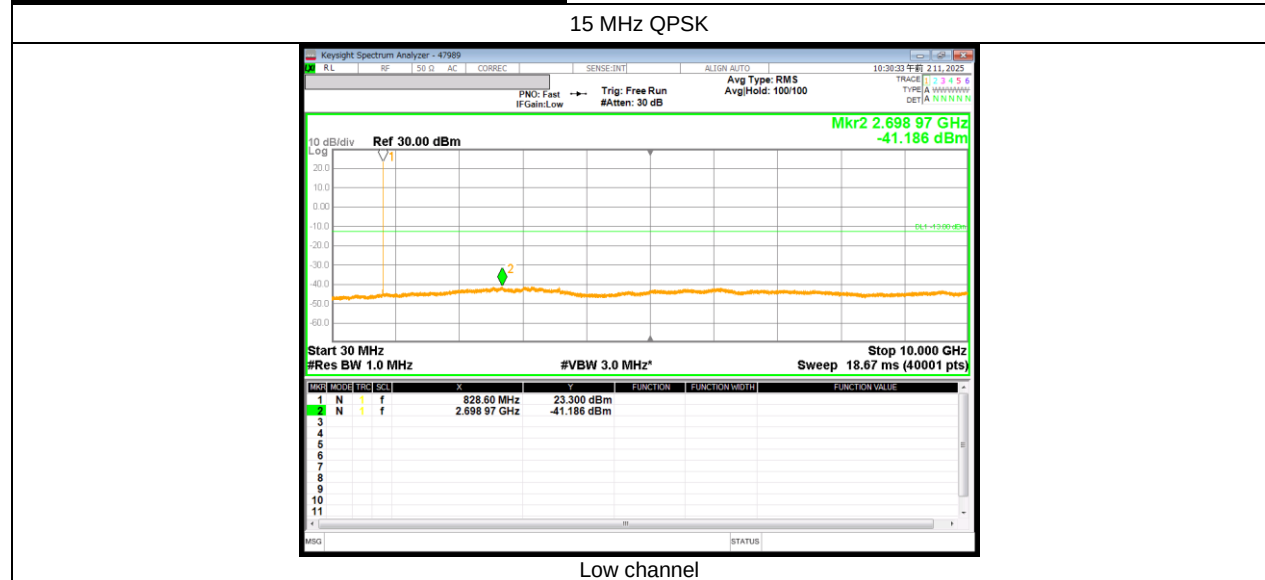


High channel

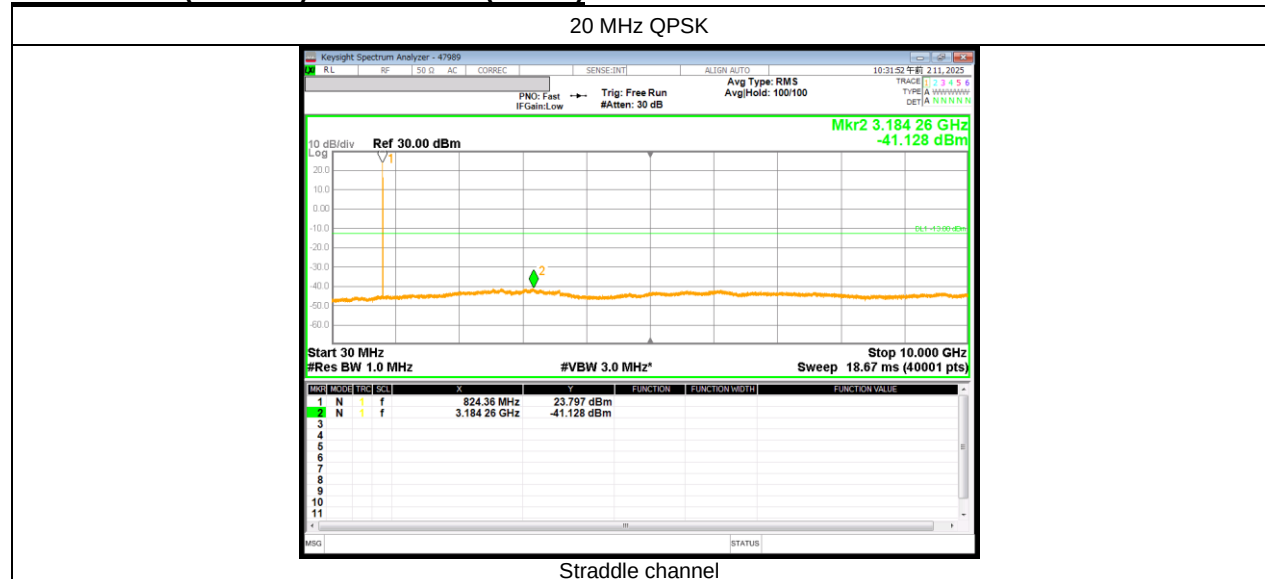
NR Band n14 DFT-s OFDM (ANT A)



NR Band n26 (Part 90) DFT-s OFDM (ANT A)

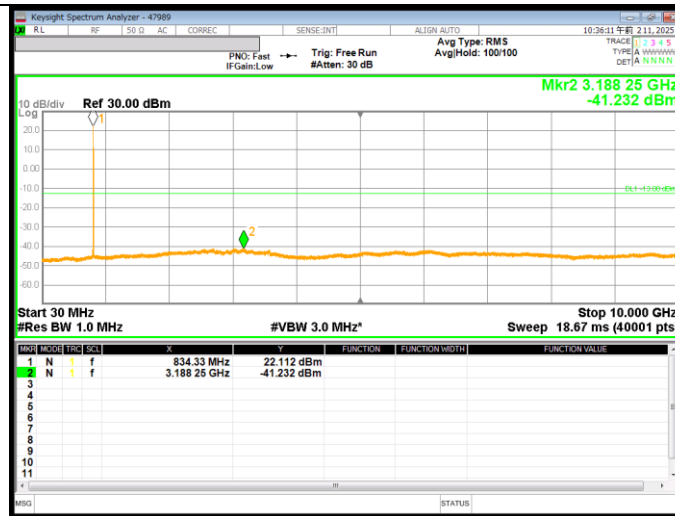


NR Band n26 (Straddle) DFT-s OFDM (ANT A)

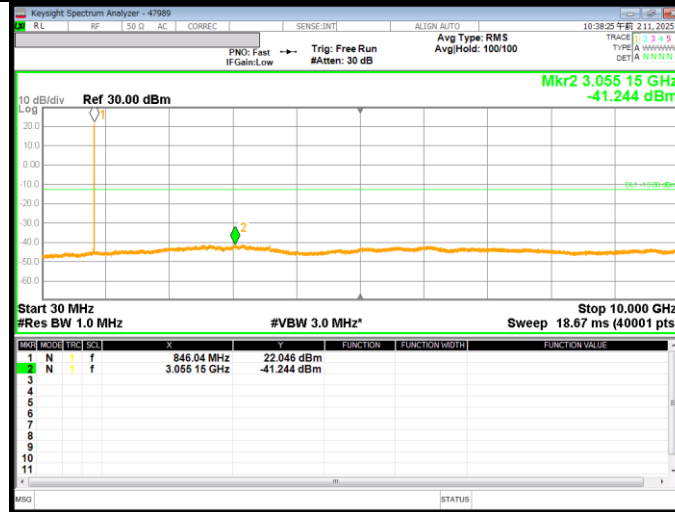


NR Band n26 (Part 22) DFT-s OFDM (ANT A)

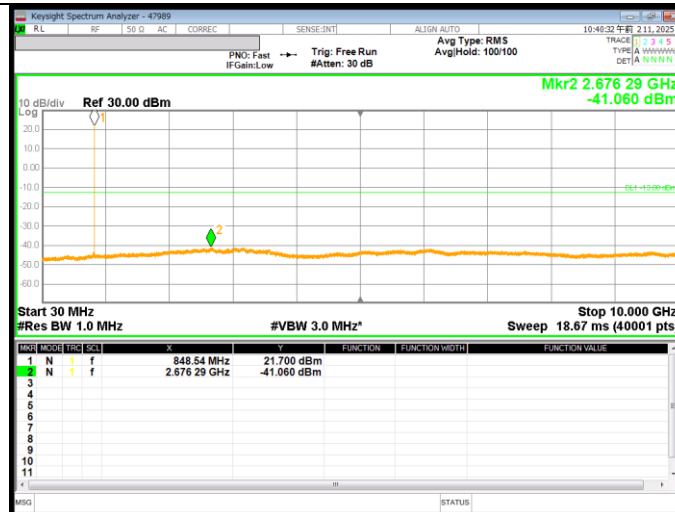
20 MHz QPSK



Low channel



Mid channel



High channel

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

GSM 850, Channel 128/251, Frequency 824.2/848.8 MHz (ANT A)

Test Date	2025-01-23
Test Engineer	47989

Reference Frequency : GSM850 Low Channel 824.2 MHz / High Channel 848.8 MHz @ 20°C						
Limit: +- 2.5 ppm =	Low Channel	2060.500	Hz	High Channel	2122.000	Hz
Power Supply [Vdc]	Environment Temperature [°C]	Frequency Deviation Measured with Time Elapse				Limit [ppm]
		Low Channel		High Channel		
		[MHz]	Delta [ppm]	[MHz]	Delta [ppm]	
3.88	50	824.20004521	-0.013	848.80004368	-0.015	2.5
3.88	40	824.20004125	-0.008	848.80004039	-0.011	2.5
3.88	30	824.20003914	-0.006	848.80003752	-0.007	2.5
3.88	20	824.20003436	0.000	848.80003125	0.000	2.5
3.88	10	824.20003085	0.004	848.80002754	0.004	2.5
3.88	0	824.20002563	0.011	848.80002511	0.007	2.5
3.88	-10	824.20002312	0.014	848.80002181	0.011	2.5
3.88	-20	824.20002052	0.017	848.80002033	0.013	2.5
3.88	-30	824.20001971	0.018	848.80001885	0.015	2.5

Reference Frequency : GSM850 Low Channel 824.2 MHz / High Channel 848.8 MHz @ 20°C						
Limit: +- 2.5 ppm =	Low Channel	2060.500	Hz	High Channel	2122.000	Hz
Power Supply [Vdc]	Environment Temperature [°C]	Frequency Deviation Measured with Time Elapse				Limit [ppm]
		Low Channel		High Channel		
		[MHz]	Delta [ppm]	[MHz]	Delta [ppm]	
3.88	20	824.20003436	0	848.80003125	0	2.5
4.45	20	824.20004363	-0.011	848.80004114	-0.012	2.5
3.70	20	824.20002122	0.016	848.80002085	0.012	2.5

WCDMA Band 5 (ANT A)

Test Date	2025-01-31
Test Engineer	47989

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				Limit [ppm]
		Low Channel		High Channel		
		[MHz]	Delta [ppm]	[MHz]	Delta [ppm]	
3.88	50	826.40004960	-0.010	846.60004520	-0.010	2.5
3.88	40	826.40004679	-0.007	846.60004247	-0.007	2.5
3.88	30	826.40004395	-0.003	846.60003957	-0.003	2.5
3.88	20	826.40004140	0.000	846.60003681	0.000	2.5
3.88	10	826.40003858	0.003	846.60003408	0.003	2.5
3.88	0	826.40003595	0.007	846.60003150	0.006	2.5
3.88	-10	826.40003307	0.010	846.60002875	0.010	2.5
3.88	-20	826.40003037	0.013	846.60002595	0.013	2.5
3.88	-30	826.40002778	0.016	846.60002331	0.016	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]		
3.88	20	826.40004140	0	846.60003681	0	2.5	
4.45	20	826.40004325	-0.002	846.60004085	-0.005	2.5	
3.70	20	826.40002311	0.022	846.60002074	0.019	2.5	

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

Test Date	2025-01-07
Test Engineer	47989

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	788.2517	797.7515		
Extreme (50C)		788.2517	797.7515	48.5	0.061
Extreme (40C)		788.2517	797.7515	46.2	0.058
Extreme (30C)		788.2517	797.7515	43.5	0.055
Extreme (10C)		788.2517	797.7515	41.4	0.052
Extreme (0C)		788.2517	797.7515	39.2	0.049
Extreme (-10C)		788.2517	797.7515	36.7	0.046
Extreme (-20C)		788.2517	797.7515	33.8	0.043
Extreme (-30C)		788.2517	797.7515	31.1	0.039
20C	15%	788.2517	797.7515	44.6	0.056
	-15%	788.2517	797.7515	25.1	0.032
	End Point	788.2517	797.7515	21.3	0.027

LTE Band 26 (ANT A)

Test Date	2025-01-09
Test Engineer	47989

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]	
3.88	50	814.70005040	-0.010	848.30004470	-0.010	2.5
3.88	40	814.70004767	-0.007	848.30004183	-0.006	2.5
3.88	30	814.70004483	-0.003	848.30003901	-0.003	2.5
3.88	20	814.70004212	0.000	848.30003647	0.000	2.5
3.88	10	814.70003945	0.003	848.30003375	0.003	2.5
3.88	0	814.70003680	0.007	848.30003110	0.006	2.5
3.88	-10	814.70003419	0.010	848.30002815	0.010	2.5
3.88	-20	814.70003124	0.013	848.30002552	0.013	2.5
3.88	-30	814.70002873	0.016	848.30002282	0.016	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]	
3.88	20	814.70004212	0	848.30003647	0	2.5
4.45	20	814.70004752	-0.007	848.30004528	-0.010	2.5
3.70	20	814.70001971	0.028	848.30001855	0.021	2.5

NR Band n14(Lowest Frequency: QPSK / Highest Frequency: QPSK) (ANT A)

Test Date	2025-01-07
Test Engineer	47989

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	788.2528	797.7467		
Extreme (50C)		788.2528	797.7467	49.9	0.063
Extreme (40C)		788.2528	797.7467	46.6	0.059
Extreme (30C)		788.2528	797.7467	43.2	0.054
Extreme (10C)		788.2528	797.7467	40.8	0.051
Extreme (0C)		788.2528	797.7467	38.7	0.049
Extreme (-10C)		788.2528	797.7467	35.5	0.045
Extreme (-20C)		788.2528	797.7467	32.2	0.041
Extreme (-30C)		788.2528	797.7467	29.1	0.037
20C	15%	788.2528	797.7467	46.6	0.059
	-15%	788.2528	797.7467	22.4	0.028
	End Point	788.2528	797.7467	17.6	0.022

NR Band n26 (ANT A)

Test Date	2025-01-16
Test Engineer	47989

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	Hz
Power Supply [Vdc]	Environment Temperature [°C]	Frequency Deviation Measured with Time Elapse					Limit [ppm]
		Low Channel		High Channel			
		[MHz]	Delta [ppm]	[MHz]	Delta [ppm]		
3.88	50	814.70004870	-0.010	848.30004540	-0.010	2.5	
3.88	40	814.70004616	-0.007	848.30004282	-0.007	2.5	
3.88	30	814.70004330	-0.003	848.30003990	-0.003	2.5	
3.88	20	814.70004070	0.000	848.30003708	0.000	2.5	
3.88	10	814.70003820	0.003	848.30003417	0.003	2.5	
3.88	0	814.70003540	0.007	848.30003136	0.007	2.5	
3.88	-10	814.70003255	0.010	848.30002880	0.010	2.5	
3.88	-20	814.70002964	0.014	848.30002602	0.013	2.5	
3.88	-30	814.70002699	0.017	848.30002325	0.016	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	Hz
Power Supply [Vdc]	Environment Temperature [°C]	Frequency Deviation Measured with Time Elapse					Limit [ppm]
		Low Channel		High Channel			
		[MHz]	Delta [ppm]	[MHz]	Delta [ppm]		
3.88	20	814.70004070	0	848.30003708	0	2.5	
4.45	20	814.70004428	-0.004	848.30004215	-0.006	2.5	
3.70	20	814.70002129	0.024	848.30002086	0.019	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).

In addition, when the transmitter power is measured in terms of average value, the peak-to-average ratio of the power shall not exceed 13dB.

TEST PROCEDURE

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

For radiated output power measurement with a ESU40:

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

TEST RESULTS

See the following pages.

9.1.1. ERP RESULT

GSM (ANT A)

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)
GSM 850	GPRS	824.20	28.90	H	3.02	-1.03	24.85	305.49	38.50	-13.65
		836.60	28.96	H	3.04	-0.97	24.95	312.61	38.50	-13.55
		848.80	28.73	H	3.06	-0.91	24.76	299.23	38.50	-13.74
	EGPRS	824.20	25.42	H	3.02	-1.03	21.37	137.09	38.50	-17.13
		836.60	25.74	H	3.04	-0.97	21.73	148.94	38.50	-16.77
		848.80	25.03	H	3.06	-0.91	21.06	127.64	38.50	-17.44

GSM (ANT E)

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)
GSM 850	GPRS	824.20	34.13	V	3.02	-1.03	30.09	1020.94	38.50	-8.41
		836.60	34.85	V	3.04	-0.97	30.84	1213.39	38.50	-7.66
		848.80	33.71	V	3.06	-0.91	29.74	941.89	38.50	-8.76
	EGPRS	824.20	28.58	V	3.02	-1.03	24.54	284.45	38.50	-13.96
		836.60	29.36	V	3.04	-0.97	25.35	342.77	38.50	-13.15
		848.80	28.66	V	3.06	-0.91	24.69	294.44	38.50	-13.81

WCDMA (ANT A)

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	19.85	H	3.02	-1.02	15.81	38.11	38.50	-22.69
		836.60	19.63	H	3.04	-0.97	15.62	36.48	38.50	-22.88
		846.60	19.22	H	3.06	-0.92	15.25	33.50	38.50	-23.25
	HSDPA	826.40	18.47	H	3.02	-1.02	14.43	27.73	38.50	-24.07
		836.60	18.02	H	3.04	-0.97	14.01	25.18	38.50	-24.49
		846.60	17.33	H	3.06	-0.92	13.36	21.68	38.50	-25.14

WCDMA (ANT E)

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	23.88	V	3.02	-1.02	19.84	96.38	38.50	-18.66
		836.60	25.03	V	3.04	-0.97	21.02	126.47	38.50	-17.48
		846.60	23.95	V	3.06	-0.92	19.98	99.54	38.50	-18.52
	HSDPA	826.40	23.13	V	3.02	-1.02	19.09	81.10	38.50	-19.41
		836.60	24.19	V	3.04	-0.97	20.18	104.23	38.50	-18.32
		846.60	22.90	V	3.06	-0.92	18.93	78.16	38.50	-19.57

LTE Band 14 (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	793.00	19.94	H	2.96	-1.16	15.82	38.19	34.77	-18.95	1/25
	16-QAM	793.00	19.00	H	2.96	-1.16	14.88	30.76	34.77	-19.89	1/49
5	QPSK	790.50	19.96	H	2.96	-1.17	15.83	38.28	34.77	-18.94	1/12
		793.00	20.02	H	2.96	-1.16	15.90	38.90	34.77	-18.87	1/24
		795.50	19.94	H	2.97	-1.16	15.82	38.19	34.77	-18.95	1/0
	16-QAM	790.50	18.95	H	2.96	-1.17	14.82	30.34	34.77	-19.95	1/24
		793.00	19.04	H	2.96	-1.16	14.92	31.05	34.77	-19.85	1/24
		795.50	19.06	H	2.97	-1.16	14.94	31.19	34.77	-19.83	1/12

LTE Band 14 (ANT E)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
10	QPSK	793.00	26.13	V	2.96	-1.16	22.00	158.49	34.77	-12.77	1/25
	16-QAM	793.00	25.21	V	2.96	-1.16	21.08	128.23	34.77	-13.69	1/0
5	QPSK	790.50	25.83	V	2.96	-1.17	21.70	147.91	34.77	-13.07	1/12
		793.00	25.91	V	2.96	-1.16	21.78	150.66	34.77	-12.99	1/24
		795.50	26.39	V	2.97	-1.16	22.26	168.27	34.77	-12.51	1/12
	16-QAM	790.50	25.05	V	2.96	-1.17	20.92	123.59	34.77	-13.85	1/24
		793.00	25.07	V	2.96	-1.16	20.94	124.17	34.77	-13.83	1/24
		795.50	25.35	V	2.97	-1.16	21.22	132.43	34.77	-13.55	1/24

LTE Band 26 (ANT A)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
15	QPSK	821.50	20.37	H	3.01	-1.04	16.32	42.85	50.00	-33.68	1/37
		824.00	20.22	H	3.02	-1.03	16.17	41.40	38.50	-22.33	1/74
		831.50	20.22	H	3.03	-0.99	16.20	41.69	38.50	-22.30	1/37
		836.50	19.61	H	3.04	-0.97	15.60	36.31	38.50	-22.90	1/37
		841.50	19.44	H	3.05	-0.94	15.45	35.08	38.50	-23.05	1/37
	16-QAM	821.50	19.39	H	3.01	-1.04	15.34	34.20	50.00	-34.66	1/74
		824.00	19.38	H	3.02	-1.03	15.33	34.12	38.50	-23.17	1/74
		831.50	19.12	H	3.03	-0.99	15.10	32.36	38.50	-23.40	1/37
		836.50	18.72	H	3.04	-0.97	14.71	29.58	38.50	-23.79	1/37
		841.50	18.18	H	3.05	-0.94	14.19	26.24	38.50	-24.31	1/0
10	QPSK	819.00	20.57	H	3.01	-1.06	16.51	44.77	50.00	-33.49	1/49
		824.00	20.05	H	3.02	-1.03	16.00	39.81	38.50	-22.50	1/25
		829.00	20.21	H	3.03	-1.01	16.18	41.50	38.50	-22.32	1/0
		831.50	19.42	H	3.03	-0.99	15.40	34.67	38.50	-23.10	1/0
		844.00	19.40	H	3.05	-0.93	15.42	34.83	38.50	-23.08	1/0
	16-QAM	819.00	19.48	H	3.01	-1.06	15.42	34.83	50.00	-34.58	1/25
		824.00	19.35	H	3.02	-1.03	15.30	33.88	38.50	-23.20	1/25
		829.00	18.76	H	3.03	-1.01	14.73	29.72	38.50	-23.77	1/25
		831.50	19.36	H	3.03	-0.99	15.34	34.20	38.50	-23.16	1/0
		844.00	17.83	H	3.05	-0.93	13.85	24.27	38.50	-24.65	1/25
5	QPSK	816.50	20.45	H	3.00	-1.07	16.38	43.75	50.00	-33.59	1/24
		821.50	20.46	H	3.01	-1.04	16.41	39.26	50.00	-34.06	1/24
		824.00	19.99	H	3.02	-1.03	15.94	39.72	38.50	-22.51	1/24
		826.50	20.03	H	3.02	-1.02	15.99	36.73	38.50	-22.85	1/12
		831.50	19.67	H	3.03	-0.99	15.65	35.40	38.50	-23.01	1/12
	16-QAM	846.50	19.46	H	3.06	-0.92	15.49	34.67	38.50	-23.10	1/12
		816.50	19.47	H	3.00	-1.07	15.40	33.50	50.00	-34.75	1/12
		821.50	19.30	H	3.01	-1.04	15.25	33.88	50.00	-34.70	1/12
		824.00	19.35	H	3.02	-1.03	15.30	29.85	38.50	-23.75	1/24
		826.50	18.79	H	3.02	-1.02	14.75	31.12	38.50	-23.57	1/0
3	QPSK	831.50	18.95	H	3.03	-0.99	14.93	25.35	38.50	-24.46	1/12
		846.50	18.01	H	3.06	-0.92	14.04	25.35	38.50	-24.46	1/24
		815.50	20.33	H	3.00	-1.07	16.25	42.17	50.00	-33.75	1/8
		822.50	20.33	H	3.01	-1.04	16.28	42.46	50.00	-33.72	1/8
		824.00	19.91	H	3.02	-1.03	15.86	38.55	38.50	-22.64	1/8
	16-QAM	825.50	20.00	H	3.02	-1.02	15.96	39.45	38.50	-22.54	1/8
		831.50	19.62	H	3.03	-0.99	15.60	36.31	38.50	-22.90	1/8
		847.50	19.37	H	3.06	-0.91	15.40	34.67	38.50	-23.10	1/8
		815.50	19.67	H	3.00	-1.07	15.59	36.22	50.00	-34.41	1/14
		822.50	19.38	H	3.01	-1.04	15.33	34.12	50.00	-34.67	1/8
1.4	QPSK	824.00	19.18	H	3.02	-1.03	15.13	32.58	38.50	-23.37	1/8
		825.50	18.73	H	3.02	-1.02	14.69	29.44	38.50	-23.81	1/0
		831.50	18.94	H	3.03	-0.99	14.92	31.05	38.50	-23.58	1/8
		847.50	17.89	H	3.06	-0.91	13.92	24.66	38.50	-24.58	1/14
		814.70	20.11	H	3.00	-1.08	16.03	40.09	50.00	-33.97	1/3
	16-QAM	823.30	20.18	H	3.01	-1.03	16.13	41.02	50.00	-33.87	1/5
		824.00	19.84	H	3.02	-1.03	15.79	37.93	38.50	-22.71	1/5
		824.70	19.70	H	3.02	-1.03	15.66	36.81	38.50	-22.84	1/5
		831.50	19.43	H	3.03	-0.99	15.41	34.75	38.50	-23.09	1/3
		848.30	19.49	H	3.06	-0.91	15.53	35.73	38.50	-22.97	1/3
1.4	16-QAM	814.70	19.31	H	3.00	-1.08	15.23	33.34	50.00	-34.77	1/5
		823.30	19.55	H	3.01	-1.03	15.50	35.48	50.00	-34.50	1/0
		824.00	19.08	H	3.02	-1.03	15.03	31.84	38.50	-23.47	1/3
		824.70	18.32	H	3.02	-1.03	14.28	26.79	38.50	-24.22	1/3
		831.50	19.00	H	3.03	-0.99	14.98	31.48	38.50	-23.52	1/3
		848.30	17.69	H	3.06	-0.91	13.73	23.60	38.50	-24.77	1/5

LTE Band 26 (ANT E)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
15	QPSK	821.50	24.75	V	3.01	-1.04	20.69	117.22	50.00	-29.31	1/37
		824.00	25.09	V	3.02	-1.03	21.04	127.06	38.50	-17.46	1/37
		831.50	25.12	V	3.03	-0.99	21.10	128.82	38.50	-17.40	1/37
		836.50	25.63	V	3.04	-0.97	21.63	145.55	38.50	-16.87	1/37
		841.50	25.09	V	3.05	-0.94	21.10	128.82	38.50	-17.40	1/37
	16-QAM	821.50	23.96	V	3.01	-1.04	19.90	97.72	50.00	-30.10	1/37
		824.00	24.21	V	3.02	-1.03	20.16	103.75	38.50	-18.34	1/74
		831.50	24.49	V	3.03	-0.99	20.47	111.43	38.50	-18.03	1/0
		836.50	24.88	V	3.04	-0.97	20.88	122.46	38.50	-17.62	1/37
		841.50	24.44	V	3.05	-0.94	20.45	110.92	38.50	-18.05	1/37
10	QPSK	819.00	24.61	V	3.01	-1.06	20.54	113.24	50.00	-29.46	1/25
		824.00	25.17	V	3.02	-1.03	21.12	129.42	38.50	-17.38	1/25
		829.00	24.90	V	3.03	-1.01	20.87	122.18	38.50	-17.63	1/25
		831.50	25.02	V	3.03	-0.99	21.00	125.89	38.50	-17.50	1/25
		844.00	24.86	V	3.05	-0.93	20.88	122.46	38.50	-17.62	1/0
	16-QAM	819.00	23.80	V	3.01	-1.06	19.73	93.97	50.00	-30.27	1/25
		824.00	24.15	V	3.02	-1.03	20.10	102.33	38.50	-18.40	1/25
		829.00	23.92	V	3.03	-1.01	19.89	97.50	38.50	-18.61	1/0
		831.50	23.98	V	3.03	-0.99	19.96	99.08	38.50	-18.54	1/25
		844.00	24.22	V	3.05	-0.93	20.24	105.68	38.50	-18.26	1/25
5	QPSK	816.50	25.03	V	3.00	-1.07	20.96	128.82	50.00	-28.90	1/0
		821.50	25.16	V	3.01	-1.04	21.10	140.28	50.00	-28.53	1/0
		824.00	25.52	V	3.02	-1.03	21.47	123.03	38.50	-17.60	1/0
		826.50	24.94	V	3.02	-1.02	20.90	140.60	38.50	-17.02	1/0
		831.50	25.50	V	3.03	-0.99	21.48	124.45	38.50	-17.55	1/12
	16-QAM	846.50	24.93	V	3.06	-0.92	20.95	99.77	38.50	-18.51	1/12
		816.50	24.06	V	3.00	-1.07	19.99	105.20	50.00	-29.78	1/0
		821.50	24.28	V	3.01	-1.04	20.22	96.83	50.00	-30.14	1/12
		824.00	23.91	V	3.02	-1.03	19.86	90.16	38.50	-18.95	1/12
		826.50	23.59	V	3.02	-1.02	19.55	96.38	38.50	-18.66	1/24
3	QPSK	831.50	23.86	V	3.03	-0.99	19.84	92.26	38.50	-18.85	1/0
		846.50	23.63	V	3.06	-0.92	19.65	92.26	38.50	-18.85	1/0
		815.50	24.99	V	3.00	-1.07	20.91	123.31	50.00	-29.09	1/8
		822.50	25.12	V	3.01	-1.04	21.07	127.94	50.00	-28.93	1/8
		824.00	25.45	V	3.02	-1.03	21.40	138.04	38.50	-17.10	1/8
	16-QAM	825.50	24.90	V	3.02	-1.02	20.86	121.90	38.50	-17.64	1/8
		831.50	25.46	V	3.03	-0.99	21.44	139.32	38.50	-17.06	1/8
		847.50	24.86	V	3.06	-0.91	20.88	122.46	38.50	-17.62	1/8
		815.50	24.30	V	3.00	-1.07	20.22	105.20	50.00	-29.78	1/0
		822.50	24.29	V	3.01	-1.04	20.24	105.68	50.00	-29.76	1/14
1.4	QPSK	824.00	24.32	V	3.02	-1.03	20.27	106.41	38.50	-18.23	1/8
		825.50	23.94	V	3.02	-1.02	19.90	97.72	38.50	-18.60	1/0
		831.50	24.33	V	3.03	-0.99	20.31	107.40	38.50	-18.19	1/8
		847.50	24.14	V	3.06	-0.91	20.16	103.75	38.50	-18.34	1/8
		814.70	24.69	V	3.00	-1.08	20.61	115.08	50.00	-29.39	1/0
	16-QAM	823.30	25.00	V	3.01	-1.03	20.95	124.45	50.00	-29.05	1/5
		824.00	25.29	V	3.02	-1.03	21.24	133.05	38.50	-17.26	1/0
		824.70	24.43	V	3.02	-1.03	20.39	109.40	38.50	-18.11	1/3
		831.50	25.36	V	3.03	-0.99	21.34	136.14	38.50	-17.16	1/0
		848.30	24.80	V	3.06	-0.91	20.83	121.06	38.50	-17.67	1/0
1.4	QPSK	814.70	24.15	V	3.00	-1.08	20.07	101.62	50.00	-29.93	1/0
		823.30	24.19	V	3.01	-1.03	20.14	103.28	50.00	-29.86	1/5
		824.00	24.45	V	3.02	-1.03	20.40	109.65	38.50	-18.10	1/3
		824.70	23.64	V	3.02	-1.03	19.60	91.20	38.50	-18.90	1/0
		831.50	24.54	V	3.03	-0.99	20.52	112.72	38.50	-17.98	1/0
	16-QAM	848.30	24.24	V	3.06	-0.91	20.27	106.41	38.50	-18.23	1/5

NR Band n14 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 (mW)	Limit (dBm)	Delta (dB)	RB
10	QPSK	708.50	20.44	H	2.96	-1.16	16.32	42.81	34.77	-18.45	1/26
	16-QAM	793.00	19.48	H	2.96	-1.16	15.36	34.32	34.77	-19.41	1/1
5	QPSK	790.50	20.49	H	2.96	-1.17	16.36	43.28	34.77	-18.41	1/13
		793.00	20.56	H	2.96	-1.16	16.44	44.01	34.77	-18.33	1/1
		795.50	20.33	H	2.97	-1.16	16.21	41.75	34.77	-18.56	1/23
		704.00	19.52	H	2.96	-1.17	15.39	34.62	34.77	-19.38	1/1
	16-QAM	707.50	19.46	H	2.96	-1.16	15.34	34.16	34.77	-19.43	1/1
		711.00	19.15	H	2.97	-1.16	15.03	31.82	34.77	-19.74	1/1

NR Band n14 DFT-s OFDM (ANT E)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
10	QPSK	708.50	26.17	V	2.96	-1.16	22.04	159.96	34.77	-12.73	1/50
	16-QAM	793.00	25.00	V	2.96	-1.16	20.87	122.18	34.77	-13.90	1/26
5	QPSK	790.50	26.14	V	2.96	-1.17	22.01	158.85	34.77	-12.76	1/23
		793.00	26.43	V	2.96	-1.16	22.30	169.82	34.77	-12.47	1/13
		795.50	26.33	V	2.97	-1.16	22.20	165.96	34.77	-12.57	1/13
		704.00	25.40	V	2.96	-1.17	21.27	133.97	34.77	-13.50	1/1
	16-QAM	707.50	25.69	V	2.96	-1.16	21.56	143.22	34.77	-13.21	1/1
		711.00	24.77	V	2.97	-1.16	20.64	115.88	34.77	-14.13	1/23

NR Band n26 DFT-s OFDM (ANT A)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
20	QPSK	824.00	20.46	H	3.02	-1.03	16.41	43.75	38.50	-22.09	1/53
		834.00	20.18	H	3.04	-0.98	16.17	41.35	38.50	-22.33	1/53
		836.50	20.15	H	3.04	-0.97	16.14	41.12	38.50	-22.36	1/104
		839.00	19.88	H	3.04	-0.96	15.88	38.71	38.50	-22.62	1/1
	16-QAM	824.00	19.20	H	3.02	-1.03	15.15	32.73	38.50	-23.35	1/104
		834.00	18.96	H	3.04	-0.98	14.95	31.23	38.50	-23.55	1/53
		836.50	18.40	H	3.04	-0.97	14.39	27.48	38.50	-24.11	1/1
		839.00	18.81	H	3.04	-0.96	14.81	30.26	38.50	-23.69	1/1
15	QPSK	821.50	20.56	H	3.01	-1.04	16.51	44.73	50.00	-33.49	1/77
		824.00	20.35	H	3.02	-1.03	16.30	42.66	38.50	-22.20	1/77
		831.50	20.18	H	3.03	-0.99	16.16	41.28	38.50	-22.34	1/53
		836.50	20.03	H	3.04	-0.97	16.02	40.00	38.50	-22.48	1/53
	16-QAM	841.50	19.40	H	3.05	-0.94	15.41	34.73	38.50	-23.09	1/1
		821.50	19.27	H	3.01	-1.04	15.22	33.24	50.00	-34.78	1/1
		824.00	19.05	H	3.02	-1.03	15.00	31.62	38.50	-23.50	1/77
		831.50	19.37	H	3.03	-0.99	15.35	34.25	38.50	-23.15	1/1
10	QPSK	836.50	18.49	H	3.04	-0.97	14.48	28.06	38.50	-24.02	1/1
		841.50	19.16	H	3.05	-0.94	15.17	32.86	38.50	-23.33	1/1
		819.00	20.31	H	3.01	-1.06	16.25	42.13	50.00	-33.75	1/1
		824.00	20.32	H	3.02	-1.03	16.27	42.36	38.50	-22.23	1/50
	16-QAM	829.00	20.20	H	3.03	-1.01	16.17	41.37	38.50	-22.33	1/50
		831.50	20.25	H	3.03	-0.99	16.23	41.95	38.50	-22.27	1/50
		844.00	19.64	H	3.05	-0.93	15.66	36.80	38.50	-22.84	1/26
		819.00	19.19	H	3.01	-1.06	15.13	32.55	50.00	-34.87	1/26
5	QPSK	824.00	19.29	H	3.02	-1.03	15.24	33.42	38.50	-23.26	1/26
		829.00	18.85	H	3.03	-1.01	14.82	30.32	38.50	-23.68	1/50
		831.50	18.63	H	3.03	-0.99	14.61	28.89	38.50	-23.89	1/1
		844.00	19.08	H	3.05	-0.93	15.10	32.35	38.50	-23.40	1/1
	16-QAM	816.50	19.61	H	3.00	-1.07	15.54	35.78	50.00	-34.46	1/13
		821.50	20.26	H	3.01	-1.04	16.21	41.75	50.00	-33.79	1/13
		824.00	20.56	H	3.02	-1.03	16.51	44.77	38.50	-21.99	1/13
		826.50	19.24	H	3.02	-1.02	15.20	33.09	38.50	-23.30	1/13

NR Band n26 DFT-s OFDM (ANT E)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
20	QPSK	824.00	25.54	V	3.02	-1.03	21.49	140.94	38.50	-17.01	1/104
		834.00	26.12	V	3.04	-0.98	22.10	162.25	38.50	-16.40	1/104
		836.50	26.10	V	3.04	-0.97	22.10	162.02	38.50	-16.40	1/104
		839.00	25.15	V	3.04	-0.96	21.15	130.34	38.50	-17.35	1/104
	16-QAM	824.00	24.36	V	3.02	-1.03	20.31	107.41	38.50	-18.19	1/53
		834.00	25.27	V	3.04	-0.98	21.25	133.41	38.50	-17.25	1/104
		836.50	25.10	V	3.04	-0.97	21.10	128.70	38.50	-17.40	1/104
		839.00	24.12	V	3.04	-0.96	20.12	102.82	38.50	-18.38	1/104
15	QPSK	821.50	25.30	V	3.01	-1.04	21.24	133.14	50.00	-28.76	1/77
		824.00	25.93	V	3.02	-1.03	21.88	154.18	38.50	-16.62	1/77
		831.50	25.74	V	3.03	-0.99	21.72	148.59	38.50	-16.78	1/40
		836.50	25.89	V	3.04	-0.97	21.89	154.37	38.50	-16.61	1/40
	16-QAM	841.50	25.30	V	3.05	-0.94	21.31	135.27	38.50	-17.19	1/40
		821.50	23.16	V	3.01	-1.04	19.10	81.34	50.00	-30.90	1/77
		824.00	23.34	V	3.02	-1.03	19.29	84.93	38.50	-19.21	1/77
		831.50	23.79	V	3.03	-0.99	19.77	94.84	38.50	-18.73	1/77
10	QPSK	836.50	23.92	V	3.04	-0.97	19.92	98.08	38.50	-18.58	1/77
		841.50	23.09	V	3.05	-0.94	19.10	81.32	38.50	-19.40	1/1
	16-QAM	819.00	25.26	V	3.01	-1.06	21.19	131.57	50.00	-28.81	1/50
		824.00	25.78	V	3.02	-1.03	21.73	148.95	38.50	-16.77	1/50
		829.00	25.70	V	3.03	-1.01	21.67	146.93	38.50	-16.83	1/50
		831.50	25.24	V	3.03	-0.99	21.22	132.43	38.50	-17.28	1/50
	QPSK	844.00	25.13	V	3.05	-0.93	21.15	130.28	38.50	-17.35	1/50
		819.00	22.91	V	3.01	-1.06	18.84	76.59	50.00	-31.16	1/50
5	16-QAM	824.00	23.35	V	3.02	-1.03	19.30	85.12	38.50	-19.20	1/50
		829.00	23.89	V	3.03	-1.01	19.86	96.85	38.50	-18.64	1/26
		831.50	23.29	V	3.03	-0.99	19.27	84.53	38.50	-19.23	1/50
		844.00	22.98	V	3.05	-0.93	19.00	79.41	38.50	-19.50	1/1
	QPSK	816.50	25.29	V	3.00	-1.07	21.22	132.35	50.00	-28.78	1/13
		821.50	25.61	V	3.01	-1.04	21.55	142.99	50.00	-28.45	1/13
		824.00	25.74	V	3.02	-1.03	21.69	147.58	38.50	-16.81	1/13
		826.50	25.15	V	3.02	-1.02	21.11	129.19	38.50	-17.39	1/13
	16-QAM	831.50	25.70	V	3.03	-0.99	21.68	147.23	38.50	-16.82	1/13
		846.50	24.99	V	3.06	-0.92	21.01	126.24	38.50	-17.49	1/13
	QPSK	816.50	22.91	V	3.00	-1.07	18.84	76.51	50.00	-31.16	1/23
		821.50	23.65	V	3.01	-1.04	19.59	91.06	50.00	-30.41	1/23
		824.00	23.87	V	3.02	-1.03	19.82	95.95	38.50	-18.68	1/1
		826.50	23.48	V	3.02	-1.02	19.44	87.95	38.50	-19.06	1/13
	16-QAM	831.50	23.34	V	3.03	-0.99	19.32	85.50	38.50	-19.18	1/13
		846.50	22.66	V	3.06	-0.92	18.68	73.82	38.50	-19.82	1/1

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, 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

GSM850

GPRS ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791615583 Date: 2025-01-16 Test Engineer: 26087 Configuration: EUT / AC Adapter, X-Position Location: Chamber 2 Mode: GPRS 850 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, 824.2MHz									
	1648.40	-12.9	V	3.0	42.0	1.0	-53.9	-13.0	-40.9	
	2472.60	-6.2	V	3.0	42.3	1.0	-47.5	-13.0	-34.5	
	3296.80	-8.3	V	3.0	42.9	1.0	-50.2	-13.0	-37.2	
	1648.40	-14.0	H	3.0	42.0	1.0	-55.0	-13.0	-42.0	
	2472.60	-1.2	H	3.0	42.3	1.0	-42.5	-13.0	-29.5	
	3296.80	-8.2	H	3.0	42.9	1.0	-50.0	-13.0	-37.0	
	Mid Ch, 836.6MHz									
	1673.20	-12.2	V	3.0	42.0	1.0	-53.2	-13.0	-40.2	
	2509.80	-1.6	V	3.0	42.4	1.0	-43.0	-13.0	-30.0	
	3346.40	-7.7	V	3.0	42.9	1.0	-49.6	-13.0	-36.6	
	1673.20	-11.3	H	3.0	42.0	1.0	-52.2	-13.0	-39.2	
	2509.80	4.5	H	3.0	42.4	1.0	-36.9	-13.0	-23.9	
	3346.40	-7.5	H	3.0	42.9	1.0	-49.4	-13.0	-36.4	
	High Ch, 848.8MHz									
	1697.60	-10.0	V	3.0	42.0	1.0	-51.0	-13.0	-38.0	
	2546.40	2.4	V	3.0	42.4	1.0	-39.0	-13.0	-26.0	
	3395.20	-7.4	V	3.0	42.9	1.0	-49.4	-13.0	-36.4	
	1697.60	-10.8	H	3.0	42.0	1.0	-51.8	-13.0	-38.8	
	2546.40	8.2	H	3.0	42.4	1.0	-33.2	-13.0	-20.2	
	3395.20	-7.4	H	3.0	42.9	1.0	-49.4	-13.0	-36.4	
GPRS ANT E	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791615583 Date: 2025-01-16 Test Engineer: 28183 Configuration: EUT / AC Adapter, X-Position Location: Chamber 2 Mode: GPRS 850 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, 824.2MHz									
	1648.40	-8.1	V	3.0	42.0	1.0	-49.0	-13.0	-36.0	
	2472.60	-3.7	V	3.0	42.3	1.0	-45.1	-13.0	-32.1	
	3296.80	-8.1	V	3.0	42.9	1.0	-50.0	-13.0	-37.0	
	1648.40	-3.6	H	3.0	42.0	1.0	-44.6	-13.0	-31.6	
	2472.60	1.0	H	3.0	42.3	1.0	-40.4	-13.0	-27.4	
	3296.80	-8.1	H	3.0	42.9	1.0	-50.0	-13.0	-37.0	
	Mid Ch, 836.6MHz									
	1673.20	-5.3	V	3.0	42.0	1.0	-46.3	-13.0	-33.3	
	2509.80	-2.7	V	3.0	42.4	1.0	-44.0	-13.0	-31.0	
	3346.40	-7.6	V	3.0	42.9	1.0	-49.5	-13.0	-36.5	
	1673.20	-1.2	H	3.0	42.0	1.0	-42.2	-13.0	-29.2	
	2509.80	4.6	H	3.0	42.4	1.0	-36.7	-13.0	-23.7	
	3346.40	-7.3	H	3.0	42.9	1.0	-49.2	-13.0	-36.2	
	High Ch, 848.8MHz									
	1697.60	-5.2	V	3.0	42.0	1.0	-46.1	-13.0	-33.1	
	2546.40	-2.5	V	3.0	42.4	1.0	-43.9	-13.0	-30.9	
	3395.20	-7.4	V	3.0	42.9	1.0	-49.4	-13.0	-36.4	
	1697.60	-4.9	H	3.0	42.0	1.0	-45.8	-13.0	-32.8	
	2546.40	4.2	H	3.0	42.4	1.0	-37.2	-13.0	-24.2	
	3395.20	-7.2	H	3.0	42.9	1.0	-49.1	-13.0	-36.1	

		UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
REL99 ANT A		Company: Samsung Project #: 4791615583 Date: 2025-01-14 Test Engineer: 28183 Configuration: EUT / AC Adapter, Y-Position Location: Chamber 2 Mode: Rel99 Band 5 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, 826.4MHz									
		1652.80	-15.0	V	3.0	42.0	1.0	-56.0	-13.0	-43.0	
		2479.20	-11.7	V	3.0	42.4	1.0	-53.0	-13.0	-40.0	
		3305.60	-9.1	V	3.0	42.9	1.0	-51.0	-13.0	-38.0	
		1652.80	-15.6	H	3.0	42.0	1.0	-56.5	-13.0	-43.5	
		2479.20	-12.0	H	3.0	42.4	1.0	-53.4	-13.0	-40.4	
		3305.60	-9.0	H	3.0	42.9	1.0	-50.9	-13.0	-37.9	
		Mid Ch, 836.6MHz									
		1673.20	-15.2	V	3.0	42.0	1.0	-56.1	-13.0	-43.1	
		2509.80	-11.7	V	3.0	42.4	1.0	-53.0	-13.0	-40.0	
		3346.40	-9.1	V	3.0	42.9	1.0	-51.0	-13.0	-38.0	
		1673.20	-15.5	H	3.0	42.0	1.0	-56.5	-13.0	-43.5	
		2509.80	-11.9	H	3.0	42.4	1.0	-53.2	-13.0	-40.2	
		3346.40	-8.9	H	3.0	42.9	1.0	-50.8	-13.0	-37.8	
		High Ch, 846.6MHz									
		1693.20	-15.1	V	3.0	42.0	1.0	-56.0	-13.0	-43.0	
		2539.80	-11.7	V	3.0	42.4	1.0	-53.1	-13.0	-40.1	
		3386.40	-8.4	V	3.0	42.9	1.0	-50.4	-13.0	-37.4	
		1693.20	-15.5	H	3.0	42.0	1.0	-56.5	-13.0	-43.5	
		2539.80	-11.9	H	3.0	42.4	1.0	-53.3	-13.0	-40.3	
		3386.40	-8.3	H	3.0	42.9	1.0	-50.2	-13.0	-37.2	
		UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
REL99 ANT E		Company: Samsung Project #: 4791615583 Date: 2025-01-14 Test Engineer: 28183 Configuration: EUT / AC Adapter, Z-Position Location: Chamber 2 Mode: Rel99 Band 5 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, 826.4MHz									
		1652.80	-15.2	V	3.0	42.0	1.0	-56.2	-13.0	-43.2	
		2479.20	-11.8	V	3.0	42.4	1.0	-53.2	-13.0	-40.2	
		3305.60	-9.1	V	3.0	42.9	1.0	-51.0	-13.0	-38.0	
		1652.80	-15.6	H	3.0	42.0	1.0	-56.6	-13.0	-43.6	
		2479.20	-12.0	H	3.0	42.4	1.0	-53.4	-13.0	-40.4	
		3305.60	-9.1	H	3.0	42.9	1.0	-51.0			

5 MHz QPSK ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791615583									
	Date: 2025-01-24									
	Test Engineer: 28775									
	Configuration: EUT / AC Adapter, Y-Position									
	Location: Chamber 2									
	Mode: LTE_QPSK Band 14 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, 790.5MHz									
	1581.00	-23.9	V	3.0	42.0	1.0	-64.9	-40.0	-24.9	
	2371.50	-12.0	V	3.0	42.3	1.0	-53.3	-13.0	-40.3	
	3162.00	-9.3	V	3.0	42.8	1.0	-51.1	-13.0	-38.1	
	1581.00	-23.8	H	3.0	42.0	1.0	-64.8	-40.0	-24.8	
	2371.50	-12.0	H	3.0	42.3	1.0	-53.3	-13.0	-40.3	
	3162.00	-9.3	H	3.0	42.8	1.0	-51.1	-13.0	-38.1	
	Mid Ch, 793MHz									
	1586.00	-22.8	V	3.0	42.0	1.0	-63.8	-40.0	-23.8	
2379.00	-11.9	V	3.0	42.3	1.0	-53.2	-13.0	-40.2		
3172.00	-9.4	V	3.0	42.8	1.0	-51.3	-13.0	-38.3		
1586.00	-23.8	H	3.0	42.0	1.0	-64.8	-40.0	-24.8		
2379.00	-12.3	H	3.0	42.3	1.0	-53.5	-13.0	-40.5		
3172.00	-9.4	H	3.0	42.8	1.0	-51.2	-13.0	-38.2		
High Ch, 795.5MHz										
1591.00	-24.8	V	3.0	42.0	1.0	-65.7	-40.0	-25.7		
2386.50	-12.0	V	3.0	42.3	1.0	-53.3	-13.0	-40.3		
3182.00	-9.4	V	3.0	42.8	1.0	-51.2	-13.0	-38.2		
1591.00	-24.5	H	3.0	42.0	1.0	-65.4	-40.0	-25.4		
2386.50	-12.2	H	3.0	42.3	1.0	-53.5	-13.0	-40.5		
3182.00	-9.3	H	3.0	42.8	1.0	-51.2	-13.0	-38.2		
5 MHz QPSK ANT E	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791615583									
	Date: 2025-01-13									
	Test Engineer: 26087									
	Configuration: EUT / AC Adapter, X-Position									
	Location: Chamber 2									
	Mode: LTE_QPSK Band 14 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, 790.5MHz									
	1581.00	-22.5	V	3.0	42.0	1.0	-63.4	-40.0	-23.4	
	2371.50	-12.6	V	3.0	42.3	1.0	-53.9	-13.0	-40.9	
	3162.00	-9.4	V	3.0	42.8	1.0	-51.2	-13.0	-38.2	
	1581.00	-22.4	H	3.0	42.0	1.0	-63.4	-40.0	-23.4	
	2371.50	-12.7	H	3.0	42.3	1.0	-54.0	-13.0	-41.0	
	3162.00	-9.4	H	3.0	42.8	1.0	-51.3	-13.0	-38.3	
	Mid Ch, 793MHz									
	1586.00	-24.3	V	3.0	42.0	1.0	-65.2	-40.0	-25.2	
2379.00	-12.7	V	3.0	42.3	1.0	-53.9	-13.0	-40.9		
3172.00	-9.5	V	3.0	42.8	1.0	-51.4	-13.0	-38.4		
1586.00	-21.7	H	3.0	42.0	1.0	-62.6	-40.0	-22.6		
2379.00	-12.9	H	3.0	42.3	1.0	-54.1	-13.0	-41.1		
3172.00	-9.6	H	3.0	42.8	1.0	-51.4	-13.0	-38.4		
High Ch, 795.5MHz										
1591.00	-21.5	V	3.0	42.0	1.0	-62.5	-40.0	-22.5		
2386.50	-12.5	V	3.0	42.3	1.0	-53.8	-13.0	-40.8		
3182.00	-9.6	V	3.0	42.8	1.0	-51.4	-13.0	-38.4		
1591.00	-22.1	H	3.0	42.0	1.0	-63.0	-40.0	-23.0		
2386.50	-12.9	H	3.0	42.3	1.0	-54.1	-13.0	-41.1		
3182.00	-9.6	H	3.0	42.8	1.0	-51.4	-13.0	-38.4		

LTE Band 26 (Part 90)

10 MHz QPSK ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791615583 Date: 2025-01-24 Test Engineer: 28775 Configuration: EUT / AC Adapter, X-Position Location: Chamber 2 Mode: LTE_QPSK Band 26(Part90) 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, 819MHz									
	1638.00	-15.6	V	3.0	42.0	1.0	-56.6	-13.0	-43.6	
	2457.00	-12.5	V	3.0	42.3	1.0	-53.9	-13.0	-40.9	
	3276.00	-9.7	V	3.0	42.9	1.0	-51.6	-13.0	-38.6	
	1638.00	-16.1	H	3.0	42.0	1.0	-57.1	-13.0	-44.1	
	2457.00	-12.7	H	3.0	42.3	1.0	-54.0	-13.0	-41.0	
	3276.00	-9.6	H	3.0	42.9	1.0	-51.5	-13.0	-38.5	
5 MHz QPSK ANT E	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791615583 Date: 2025-01-23 Test Engineer: 28775 Configuration: EUT / AC Adapter, Y-Position Location: Chamber 2 Mode: LTE_QPSK Band 26(Part90) 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, 816.5MHz									
	1633.00	-15.2	V	3.0	42.0	1.0	-56.2	-13.0	-43.2	
	2449.50	-12.0	V	3.0	42.3	1.0	-53.3	-13.0	-40.3	
	3266.00	-9.5	V	3.0	42.9	1.0	-51.4	-13.0	-38.4	
	1633.00	-15.9	H	3.0	42.0	1.0	-56.8	-13.0	-43.8	
	2449.50	-12.5	H	3.0	42.3	1.0	-53.8	-13.0	-40.8	
	3266.00	-9.5	H	3.0	42.9	1.0	-51.4	-13.0	-38.4	
	Mid Ch, 821.5MHz									
	1643.00	-15.1	V	3.0	42.0	1.0	-56.1	-13.0	-43.1	
	2464.50	-11.9	V	3.0	42.3	1.0	-53.2	-13.0	-40.2	
	3286.00	-9.6	V	3.0	42.9	1.0	-51.5	-13.0	-38.5	
	1643.00	-15.6	H	3.0	42.0	1.0	-56.6	-13.0	-43.6	
	2464.50	-12.2	H	3.0	42.3	1.0	-53.5	-13.0	-40.5	
	3286.00	-9.4	H	3.0	42.9	1.0	-51.3	-13.0	-38.3	

LTE Band 26 (Straddle)

15 MHz QPSK ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791615583 Date: 2025-01-24 Test Engineer: 28775 Configuration: EUT / AC Adapter, X-Position Location: Chamber 2 Mode: LTE_QPSK Band 26 Harmonics, 15MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Straddle Ch, 824MHz									
	1648.00	-15.5	V	3.0	42.0	1.0	-56.5	-13.0	-43.5	
	2472.00	-12.5	V	3.0	42.3	1.0	-53.9	-13.0	-40.9	
	3296.00	-9.5	V	3.0	42.9	1.0	-51.4	-13.0	-38.4	
	1648.00	-15.9	H	3.0	42.0	1.0	-56.9	-13.0	-43.9	
	2472.00	-12.6	H	3.0	42.3	1.0	-53.9	-13.0	-40.9	
	3296.00	-9.4	H	3.0	42.9	1.0	-51.3	-13.0	-38.3	
5 MHz QPSK ANT E	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791615583 Date: 2025-01-23 Test Engineer: 28775 Configuration: EUT / AC Adapter, Y-Position Location: Chamber 2 Mode: LTE_QPSK Band 26 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
	Straddle Ch, 824MHz									
	1648.00	-15.3	V	3.0	42.0	1.0	-56.3	-13.0	-43.3	
	2472.00	-12.0	V	3.0	42.3	1.0	-53.3	-13.0	-40.3	
	3296.00	-9.3	V	3.0	42.9	1.0	-51.2	-13.0	-38.2	
	1648.00	-15.5	H	3.0	42.0	1.0	-56.5	-13.0	-43.5	
	2472.00	-12.2	H	3.0	42.3	1.0	-53.5	-13.0	-40.5	
	3296.00	-9.2	H	3.0	42.9	1.0	-51.1	-13.0	-38.1	

LTE Band 26 (Part 22)

15 MHz QPSK ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791615583									
	Date: 2025-01-24									
	Test Engineer: 28775									
	Configuration: EUT / AC Adapter, X-Position									
	Location: Chamber 2									
	Mode: LTE_QPSK Band 26 Harmonics, 15MHz Bandwidth									
	Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 831.5MHz									
	1663.00	-15.6	V	3.0	42.0	1.0	-56.6	-13.0	-43.6	
	2494.50	-12.3	V	3.0	42.4	1.0	-53.7	-13.0	-40.7	
	3326.00	-9.4	V	3.0	42.9	1.0	-51.3	-13.0	-38.3	
	1663.00	-16.0	H	3.0	42.0	1.0	-57.0	-13.0	-44.0	
	2494.50	-12.7	H	3.0	42.4	1.0	-54.1	-13.0	-41.1	
	3326.00	-9.3	H	3.0	42.9	1.0	-51.2	-13.0	-38.2	
	Mid Ch, 836.5MHz									
	1673.00	-15.5	V	3.0	42.0	1.0	-56.5	-13.0	-43.5	
	2509.50	-12.2	V	3.0	42.4	1.0	-53.5	-13.0	-40.5	
	3346.00	-9.3	V	3.0	42.9	1.0	-51.2	-13.0	-38.2	
	1673.00	-15.9	H	3.0	42.0	1.0	-56.9	-13.0	-43.9	
2509.50	-12.4	H	3.0	42.4	1.0	-53.8	-13.0	-40.8		
3346.00	-9.2	H	3.0	42.9	1.0	-51.2	-13.0	-38.2		
High Ch, 841.5MHz										
1683.00	-15.5	V	3.0	42.0	1.0	-56.5	-13.0	-43.5		
2524.50	-12.3	V	3.0	42.4	1.0	-53.7	-13.0	-40.7		
3366.00	-9.4	V	3.0	42.9	1.0	-51.3	-13.0	-38.3		
1683.00	-15.9	H	3.0	42.0	1.0	-56.9	-13.0	-43.9		
2524.50	-12.5	H	3.0	42.4	1.0	-53.9	-13.0	-40.9		
3366.00	-9.3	H	3.0	42.9	1.0	-51.2	-13.0	-38.2		
15 MHz QPSK ANT E	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791615583									
	Date: 2025-01-23									
	Test Engineer: 28775									
	Configuration: EUT / AC Adapter, Y-Position									
	Location: Chamber 2									
	Mode: LTE_QPSK Band 26 Harmonics, 15MHz Bandwidth									
	Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 831.5MHz									
	1663.00	-15.1	V	3.0	42.0	1.0	-56.0	-13.0	-43.0	
	2494.50	-11.9	V	3.0	42.4	1.0	-53.2	-13.0	-40.2	
	3326.00	-9.3	V	3.0	42.9	1.0	-51.2	-13.0	-38.2	
	1663.00	-15.6	H	3.0	42.0	1.0	-56.5	-13.0	-43.5	
	2494.50	-12.1	H	3.0	42.4	1.0	-53.5	-13.0	-40.5	
	3326.00	-9.4	H	3.0	42.9	1.0	-51.3	-13.0	-38.3	
	Mid Ch, 836.5MHz									
	1673.00	-14.9	V	3.0	42.0	1.0	-55.9	-13.0	-42.9	
	2509.50	-11.8	V	3.0	42.4	1.0	-53.2	-13.0	-40.2	
	3346.00	-9.1	V	3.0	42.9	1.0	-51.0	-13.0	-38.0	
	1673.00	-15.3	H	3.0	42.0	1.0	-56.3	-13.0	-43.3	
	2509.50	-12.2	H	3.0	42.4	1.0	-53.5	-13.0	-40.5	
	3346.00	-9.1	H	3.0	42.9	1.0	-51.0	-13.0	-38.0	
	High Ch, 841.5MHz									
1683.00	-14.8	V	3.0	42.0	1.0	-55.8	-13.0	-42.8		
2524.50	-11.7	V	3.0	42.4	1.0	-53.1	-13.0	-40.1		
3366.00	-9.0	V	3.0	42.9	1.0	-51.0	-13.0	-38.0		
1683.00	-15.3	H	3.0	42.0	1.0	-56.3	-13.0	-43.3		
2524.50	-12.2	H	3.0	42.4	1.0	-53.6	-13.0	-40.6		
3366.00	-8.9	H	3.0	42.9	1.0	-50.8	-13.0	-37.8		

NR Band n14 DFT-s OFDM

5 MHz DFT-s-OFDM QPSK ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791645583									
	Date: 2025-01-14									
	Test Engineer: 26087									
	Configuration: EUT / AC Adapter, X-Position									
	Location: Chamber 1									
	Mode: 5G NR_QPSK NR n14 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, 790.5MHz									
	1581.00	-25.1	V	3.0	43.3	1.0	-67.4	-40.0	-27.4	
	2371.50	-11.6	V	3.0	43.8	1.0	-54.4	-13.0	-41.4	
	3162.00	-9.6	V	3.0	43.6	1.0	-52.2	-13.0	-39.2	
	1581.00	-23.1	H	3.0	43.3	1.0	-65.5	-40.0	-25.5	
	2371.50	-10.3	H	3.0	43.8	1.0	-53.2	-13.0	-40.2	
	3162.00	-9.7	H	3.0	43.6	1.0	-52.3	-13.0	-39.3	
	Mid Ch, 793MHz									
	1586.00	-25.2	V	3.0	43.3	1.0	-67.5	-40.0	-27.5	
	2379.00	-11.8	V	3.0	43.8	1.0	-54.6	-13.0	-41.6	
	3172.00	-9.5	V	3.0	43.6	1.0	-52.1	-13.0	-39.1	
	1586.00	-24.3	H	3.0	43.3	1.0	-66.6	-40.0	-26.6	
	2379.00	-10.5	H	3.0	43.8	1.0	-53.3	-13.0	-40.3	
	3172.00	-9.5	H	3.0	43.6	1.0	-52.1	-13.0	-39.1	
High Ch, 795.5MHz										
1591.00	-23.8	V	3.0	43.3	1.0	-66.2	-40.0	-26.2		
2386.50	-11.4	V	3.0	43.8	1.0	-54.2	-13.0	-41.2		
3182.00	-9.5	V	3.0	43.6	1.0	-52.1	-13.0	-39.1		
1591.00	-24.2	H	3.0	43.3	1.0	-66.5	-40.0	-26.5		
2386.50	-3.8	H	3.0	43.8	1.0	-46.6	-13.0	-33.6		
3182.00	-9.6	H	3.0	43.6	1.0	-52.2	-13.0	-39.2		
5 MHz DFT-s-OFDM QPSK ANT E	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung									
	Project #: 4791615583									
	Date: 2025-01-13									
	Test Engineer: 26087									
	Configuration: EUT / AC Adapter, X-Position									
	Location: Chamber 1									
	Mode: 5G NR_QPSK NR n14 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, 790.5MHz									
	1581.00	-18.4	V	3.0	43.3	1.0	-60.7	-40.0	-20.7	
	2371.50	-12.5	V	3.0	43.8	1.0	-55.3	-13.0	-42.3	
	3162.00	-10.1	V	3.0	43.6	1.0	-52.7	-13.0	-39.7	
	1581.00	-20.6	H	3.0	43.3	1.0	-62.9	-40.0	-22.9	
	2371.50	-12.8	H	3.0	43.8	1.0	-55.7	-13.0	-42.7	
	3162.00	-10.1	H	3.0	43.6	1.0	-52.7	-13.0	-39.7	
	Mid Ch, 793MHz									
	1586.00	-21.0	V	3.0	43.3	1.0	-63.4	-40.0	-23.4	
	2379.00	-12.4	V	3.0	43.8	1.0	-55.3	-13.0	-42.3	
	3172.00	-10.0	V	3.0	43.6	1.0	-52.6	-13.0	-39.6	
	1586.00	-21.4	H	3.0	43.3	1.0	-63.7	-40.0	-23.7	
	2379.00	-12.8	H	3.0	43.8	1.0	-55.7	-13.0	-42.7	
	3172.00	-10.1	H	3.0	43.6	1.0	-52.7	-13.0	-39.7	
High Ch, 795.5MHz										
1591.00	-21.1	V	3.0	43.3	1.0	-63.4	-40.0	-23.4		
2386.50	-12.5	V	3.0	43.8	1.0	-55.3	-13.0	-42.3		
3182.00	-10.0	V	3.0	43.6	1.0	-52.6	-13.0	-39.6		
1591.00	-21.0	H	3.0	43.3	1.0	-63.3	-40.0	-23.3		
2386.50	-12.9	H	3.0	43.8	1.0	-55.8	-13.0	-42.8		
3182.00	-10.0	H	3.0	43.6	1.0	-52.6	-13.0	-39.6		

NR Band n26 (Part 90) DFT-s OFDM

15 MHz DFT-s-OFDM QPSK ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791645583 Date: 2025-01-14 Test Engineer: 26087 Configuration: EUT / AC Adapter, X-Position Location: Chamber 1 Mode: 5G NR_QPSK NR n26 Harmonics, 15MHz Bandwidth Test Votage: AC 120 V, 60 Hz <table><thead><tr><th>f MHz</th><th>SG reading (dBm)</th><th>Ant. Pol. (H/V)</th><th>Distance (m)</th><th>Preamp (dB)</th><th>Filter (dB)</th><th>EIRP (dBm)</th><th>Limit (dBm)</th><th>Delta (dB)</th><th>Notes</th></tr></thead><tbody><tr><td colspan="10">Low Ch, 821.5MHz</td></tr><tr><td>1643.00</td><td>-15.1</td><td>V</td><td>3.0</td><td>43.4</td><td>1.0</td><td>-57.5</td><td>-13.0</td><td>-44.5</td><td></td></tr><tr><td>2464.50</td><td>-11.5</td><td>V</td><td>3.0</td><td>43.8</td><td>1.0</td><td>-54.3</td><td>-13.0</td><td>-41.3</td><td></td></tr><tr><td>3286.00</td><td>-9.2</td><td>V</td><td>3.0</td><td>43.7</td><td>1.0</td><td>-51.9</td><td>-13.0</td><td>-38.9</td><td></td></tr><tr><td>1643.00</td><td>-15.7</td><td>H</td><td>3.0</td><td>43.4</td><td>1.0</td><td>-58.2</td><td>-13.0</td><td>-45.2</td><td></td></tr><tr><td>2464.50</td><td>-11.9</td><td>H</td><td>3.0</td><td>43.8</td><td>1.0</td><td>-54.7</td><td>-13.0</td><td>-41.7</td><td></td></tr><tr><td>3286.00</td><td>-9.1</td><td>H</td><td>3.0</td><td>43.7</td><td>1.0</td><td>-51.9</td><td>-13.0</td><td>-38.9</td><td></td></tr><tr><td colspan="10"></td></tr><tr><td colspan="10"></td></tr></tbody></table>										f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	Low Ch, 821.5MHz										1643.00	-15.1	V	3.0	43.4	1.0	-57.5	-13.0	-44.5		2464.50	-11.5	V	3.0	43.8	1.0	-54.3	-13.0	-41.3		3286.00	-9.2	V	3.0	43.7	1.0	-51.9	-13.0	-38.9		1643.00	-15.7	H	3.0	43.4	1.0	-58.2	-13.0	-45.2		2464.50	-11.9	H	3.0	43.8	1.0	-54.7	-13.0	-41.7		3286.00	-9.1	H	3.0	43.7	1.0	-51.9	-13.0	-38.9																																																																																											
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5 MHz DFT-s-OFDM QPSK ANT E	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791615583 Date: 2025-01-14 Test Engineer: 26087 Configuration: EUT / AC Adapter, Y-Position Location: Chamber 1 Mode: 5G NR_QPSK NR n26(Part 90) Harmonics, 5MHz Bandwidth Test Votage: AC 120 V, 60 Hz <table><thead><tr><th>f MHz</th><th>SG reading (dBm)</th><th>Ant. Pol. (H/V)</th><th>Distance (m)</th><th>Preamp (dB)</th><th>Filter (dB)</th><th>EIRP (dBm)</th><th>Limit (dBm)</th><th>Delta (dB)</th><th>Notes</th></tr></thead><tbody><tr><td colspan="10">Low Ch, 816.5MHz</td></tr><tr><td>1633.00</td><td>-14.8</td><td>V</td><td>3.0</td><td>43.4</td><td>1.0</td><td>-57.2</td><td>-13.0</td><td>-44.2</td><td></td></tr><tr><td>2449.50</td><td>-12.1</td><td>V</td><td>3.0</td><td>43.8</td><td>1.0</td><td>-54.9</td><td>-13.0</td><td>-41.9</td><td></td></tr><tr><td>3266.00</td><td>-9.7</td><td>V</td><td>3.0</td><td>43.7</td><td>1.0</td><td>-52.4</td><td>-13.0</td><td>-39.4</td><td></td></tr><tr><td>1633.00</td><td>-16.2</td><td>H</td><td>3.0</td><td>43.4</td><td>1.0</td><td>-58.6</td><td>-13.0</td><td>-45.6</td><td></td></tr><tr><td>2449.50</td><td>-12.6</td><td>H</td><td>3.0</td><td>43.8</td><td>1.0</td><td>-55.4</td><td>-13.0</td><td>-42.4</td><td></td></tr><tr><td>3266.00</td><td>-9.8</td><td>H</td><td>3.0</td><td>43.7</td><td>1.0</td><td>-52.5</td><td>-13.0</td><td>-39.5</td><td></td></tr><tr><td colspan="10">Low Ch, 821.5MHz</td></tr><tr><td>1643.00</td><td>-14.7</td><td>V</td><td>3.0</td><td>43.4</td><td>1.0</td><td>-57.2</td><td>-13.0</td><td>-44.2</td><td></td></tr><tr><td>2464.50</td><td>-12.1</td><td>V</td><td>3.0</td><td>43.8</td><td>1.0</td><td>-54.9</td><td>-13.0</td><td>-41.9</td><td></td></tr><tr><td>3286.00</td><td>-9.6</td><td>V</td><td>3.0</td><td>43.7</td><td>1.0</td><td>-52.4</td><td>-13.0</td><td>-39.4</td><td></td></tr><tr><td>1643.00</td><td>-16.2</td><td>H</td><td>3.0</td><td>43.4</td><td>1.0</td><td>-58.6</td><td>-13.0</td><td>-45.6</td><td></td></tr><tr><td>2464.50</td><td>-12.4</td><td>H</td><td>3.0</td><td>43.8</td><td>1.0</td><td>-55.2</td><td>-13.0</td><td>-42.2</td><td></td></tr><tr><td>3286.00</td><td>-9.6</td><td>H</td><td>3.0</td><td>43.7</td><td>1.0</td><td>-52.4</td><td>-13.0</td><td>-39.4</td><td></td></tr><tr><td colspan="10"></td></tr><tr><td colspan="10"></td></tr></tbody></table>										f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	Low Ch, 816.5MHz										1633.00	-14.8	V	3.0	43.4	1.0	-57.2	-13.0	-44.2		2449.50	-12.1	V	3.0	43.8	1.0	-54.9	-13.0	-41.9		3266.00	-9.7	V	3.0	43.7	1.0	-52.4	-13.0	-39.4		1633.00	-16.2	H	3.0	43.4	1.0	-58.6	-13.0	-45.6		2449.50	-12.6	H	3.0	43.8	1.0	-55.4	-13.0	-42.4		3266.00	-9.8	H	3.0	43.7	1.0	-52.5	-13.0	-39.5		Low Ch, 821.5MHz										1643.00	-14.7	V	3.0	43.4	1.0	-57.2	-13.0	-44.2		2464.50	-12.1	V	3.0	43.8	1.0	-54.9	-13.0	-41.9		3286.00	-9.6	V	3.0	43.7	1.0	-52.4	-13.0	-39.4		1643.00	-16.2	H	3.0	43.4	1.0	-58.6	-13.0	-45.6		2464.50	-12.4	H	3.0	43.8	1.0	-55.2	-13.0	-42.2		3286.00	-9.6	H	3.0	43.7	1.0	-52.4	-13.0	-39.4																					
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NR Band n26 (Straddle) DFT-s OFDM

5 MHz DFT-s-OFDM QPSK ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4791645583 Date: 2025-02-07 Test Engineer: 26087 Configuration: EUT / AC Adapter, X-Position Location: Chamber 1 Mode: 5G NR_QPSK NR n26 Harmonics, 5MHz Bandwidth Test Votage: AC 120 V, 60 Hz <table><thead><tr><th>f MHz</th><th>SG reading (dBm)</th><th>Ant. Pol. (H/V)</th><th>Distance (m)</th><th>Preamp (dB)</th><th>Filter (dB)</th><th>EIRP (dBm)</th><th>Limit (dBm)</th><th>Delta (dB)</th><th>Notes</th></tr></thead><tbody><tr><td colspan="10">Straddle Ch, 824MHz</td></tr><tr><td>1648.00</td><td>-15.7</td><td>V</td><td>3.0</td><td>43.5</td><td>1.0</td><td>-58.1</td><td>-13.0</td><td>-45.1</td><td></td></tr><tr><td>2472.00</td><td>-12.5</td><td>V</td><td>3.0</td><td>43.8</td><td>1.0</td><td>-55.2</td><td>-13.0</td><td>-42.2</td><td></td></tr><tr><td>3296.00</td><td>-9.8</td><td>V</td><td>3.0</td><td>43.8</td><td>1.0</td><td>-52.6</td><td>-13.0</td><td>-39.6</td><td></td></tr><tr><td>1648.00</td><td>-16.1</td><td>H</td><td>3.0</td><td>43.5</td><td>1.0</td><td>-58.6</td><td>-13.0</td><td>-45.6</td><td></td></tr><tr><td>2472.00</td><td>-12.8</td><td>H</td><td>3.0</td><td>43.8</td><td>1.0</td><td>-55.5</td><td>-13.0</td><td>-42.5</td><td></td></tr><tr><td>3296.00</td><td>-9.9</td><td>H</td><td>3.0</td><td>43.8</td><td>1.0</td><td>-52.7</td><td>-13.0</td><td>-39.7</td><td></td></tr><tr><td colspan="10"></td></tr><tr><td colspan="10"></td></tr></tbody></table>										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										1648.00	-15.7	V	3.0	43.5	1.0	-58.1	-13.0	-45.1		2472.00	-12.5	V	3.0	43.8	1.0	-55.2	-13.0	-42.2		3296.00	-9.8	V	3.0	43.8	1.0	-52.6	-13.0	-39.6		1648.00	-16.1	H	3.0	43.5	1.0	-58.6	-13.0	-45.6		2472.00	-12.8	H	3.0	43.8	1.0	-55.5	-13.0	-42.5		3296.00	-9.9	H	3.0	43.8	1.0	-52.7	-13.0	-39.7																					
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NR Band n26 (Part 22) DFT-s OFDM

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	<table><thead><tr><th>f MHz</th><th>SG reading (dBm)</th><th>Ant. Pol. (H/V)</th><th>Distance (m)</th><th>Preamp (dB)</th><th>Filter (dB)</th><th>EIRP (dBm)</th><th>Limit (dBm)</th><th>Delta (dB)</th><th>Notes</th></tr></thead><tbody><tr><td colspan="10">Low Ch, 834MHz</td></tr><tr><td>1668.00</td><td>-14.9</td><td>V</td><td>3.0</td><td>43.5</td><td>1.0</td><td>-57.4</td><td>-13.0</td><td>-44.4</td><td></td></tr><tr><td>2502.00</td><td>-11.9</td><td>V</td><td>3.0</td><td>43.8</td><td>1.0</td><td>-54.7</td><td>-13.0</td><td>-41.7</td><td></td></tr><tr><td>3336.00</td><td>-9.5</td><td>V</td><td>3.0</td><td>43.8</td><td>1.0</td><td>-52.3</td><td>-13.0</td><td>-39.3</td><td></td></tr><tr><td>1668.00</td><td>-16.0</td><td>H</td><td>3.0</td><td>43.5</td><td>1.0</td><td>-58.5</td><td>-13.0</td><td>-45.5</td><td></td></tr><tr><td>2502.00</td><td>-12.3</td><td>H</td><td>3.0</td><td>43.8</td><td>1.0</td><td>-55.0</td><td>-13.0</td><td>-42.0</td><td></td></tr><tr><td>3336.00</td><td>-9.6</td><td>H</td><td>3.0</td><td>43.8</td><td>1.0</td><td>-52.4</td><td>-13.0</td><td>-39.4</td><td></td></tr><tr><td colspan="10">Mid Ch, 836.5MHz</td></tr><tr><td>1673.00</td><td>-14.6</td><td>V</td><td>3.0</td><td>43.5</td><td>1.0</td><td>-57.1</td><td>-13.0</td><td>-44.1</td><td></td></tr><tr><td>2509.50</td><td>-11.8</td><td>V</td><td>3.0</td><td>43.7</td><td>1.0</td><td>-54.6</td><td>-13.0</td><td>-41.6</td><td></td></tr><tr><td>3346.00</td><td>-9.5</td><td>V</td><td>3.0</td><td>43.8</td><td>1.0</td><td>-52.3</td><td>-13.0</td><td>-39.3</td><td></td></tr><tr><td>1673.00</td><td>-15.9</td><td>H</td><td>3.0</td><td>43.5</td><td>1.0</td><td>-58.4</td><td>-13.0</td><td>-45.4</td><td></td></tr><tr><td>2509.50</td><td>-12.3</td><td>H</td><td>3.0</td><td>43.7</td><td>1.0</td><td>-55.1</td><td>-13.0</td><td>-42.1</td><td></td></tr><tr><td>3346.00</td><td>-9.5</td><td>H</td><td>3.0</td><td>43.8</td><td>1.0</td><td>-52.3</td><td>-13.0</td><td>-39.3</td><td></td></tr><tr><td colspan="10">High Ch, 839MHz</td></tr><tr><td>1678.00</td><td>-13.9</td><td>V</td><td>3.0</td><td>43.5</td><td>1.0</td><td>-56.5</td><td>-13.0</td><td>-43.5</td><td></td></tr><tr><td>2517.00</td><td>-12.0</td><td>V</td><td>3.0</td><td>43.7</td><td>1.0</td><td>-54.7</td><td>-13.0</td><td>-41.7</td><td></td></tr><tr><td>3356.00</td><td>-9.4</td><td>V</td><td>3.0</td><td>43.8</td><td>1.0</td><td>-52.2</td><td>-13.0</td><td>-39.2</td><td></td></tr><tr><td>1678.00</td><td>-15.5</td><td>H</td><td>3.0</td><td>43.5</td><td>1.0</td><td>-58.0</td><td>-13.0</td><td>-45.0</td><td></td></tr><tr><td>2517.00</td><td>-12.4</td><td>H</td><td>3.0</td><td>43.7</td><td>1.0</td><td>-55.1</td><td>-13.0</td><td>-42.1</td><td></td></tr><tr><td>3356.00</td><td>-9.5</td><td>H</td><td>3.0</td><td>43.8</td><td>1.0</td><td>-52.3</td><td>-13.0</td><td>-39.3</td><td></td></tr></tbody></table>										f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	Low Ch, 834MHz										1668.00	-14.9	V	3.0	43.5	1.0	-57.4	-13.0	-44.4		2502.00	-11.9	V	3.0	43.8	1.0	-54.7	-13.0	-41.7		3336.00	-9.5	V	3.0	43.8	1.0	-52.3	-13.0	-39.3		1668.00	-16.0	H	3.0	43.5	1.0	-58.5	-13.0	-45.5		2502.00	-12.3	H	3.0	43.8	1.0	-55.0	-13.0	-42.0		3336.00	-9.6	H	3.0	43.8	1.0	-52.4	-13.0	-39.4		Mid Ch, 836.5MHz										1673.00	-14.6	V	3.0	43.5	1.0	-57.1	-13.0	-44.1		2509.50	-11.8	V	3.0	43.7	1.0	-54.6	-13.0	-41.6		3346.00	-9.5	V	3.0	43.8	1.0	-52.3	-13.0	-39.3		1673.00	-15.9	H	3.0	43.5	1.0	-58.4	-13.0	-45.4		2509.50	-12.3	H	3.0	43.7	1.0	-55.1	-13.0	-42.1		3346.00	-9.5	H	3.0	43.8	1.0	-52.3	-13.0	-39.3		High Ch, 839MHz										1678.00	-13.9	V	3.0	43.5	1.0	-56.5	-13.0	-43.5		2517.00	-12.0	V	3.0	43.7	1.0	-54.7	-13.0	-41.7		3356.00	-9.4	V	3.0	43.8	1.0	-52.2	-13.0	-39.2		1678.00	-15.5	H	3.0	43.5	1.0	-58.0	-13.0	-45.0		2517.00	-12.4	H	3.0	43.7	1.0	-55.1	-13.0	-42.1		3356.00	-9.5	H	3.0	43.8	1.0	-52.3	-13.0	-39.3	
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