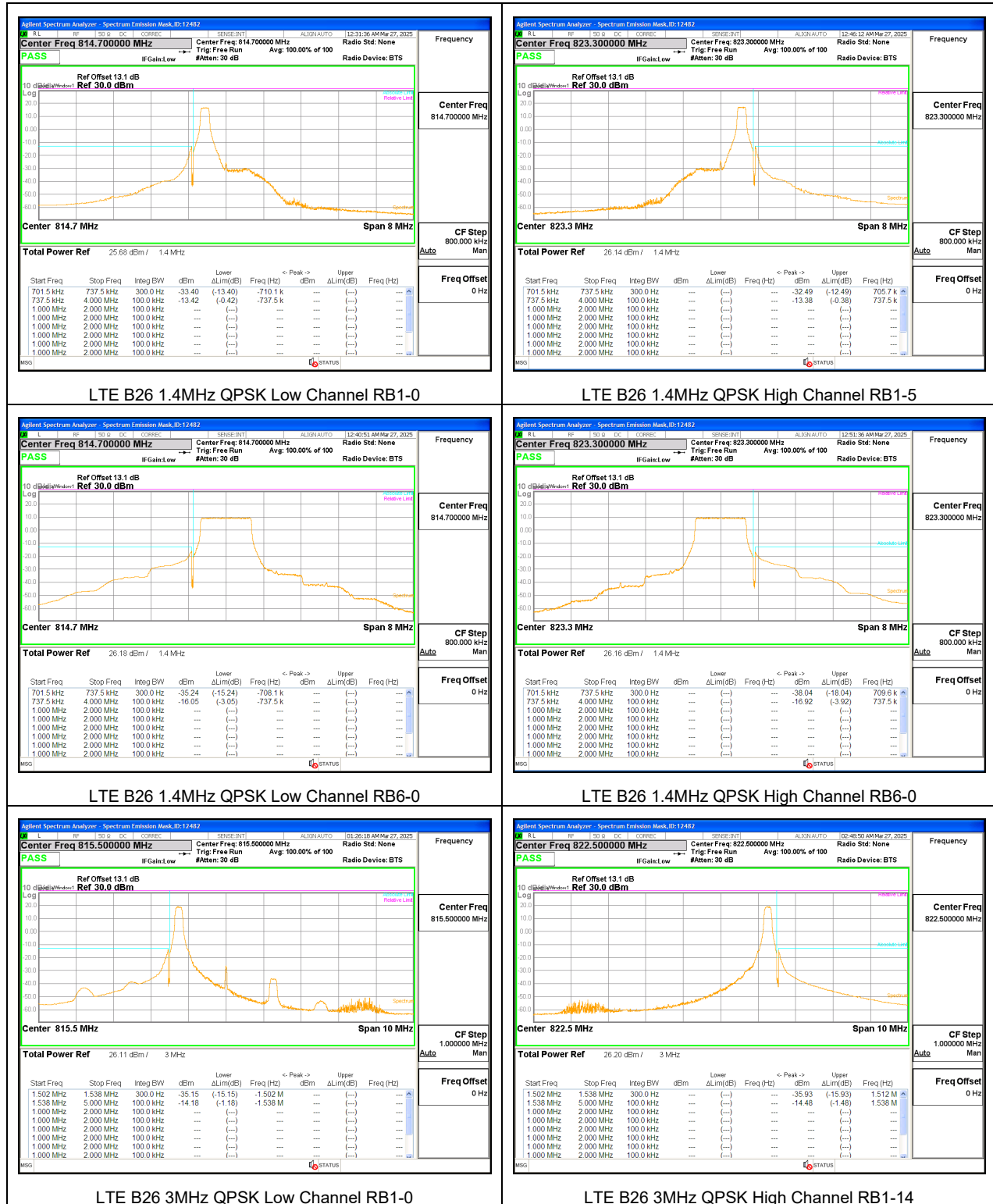
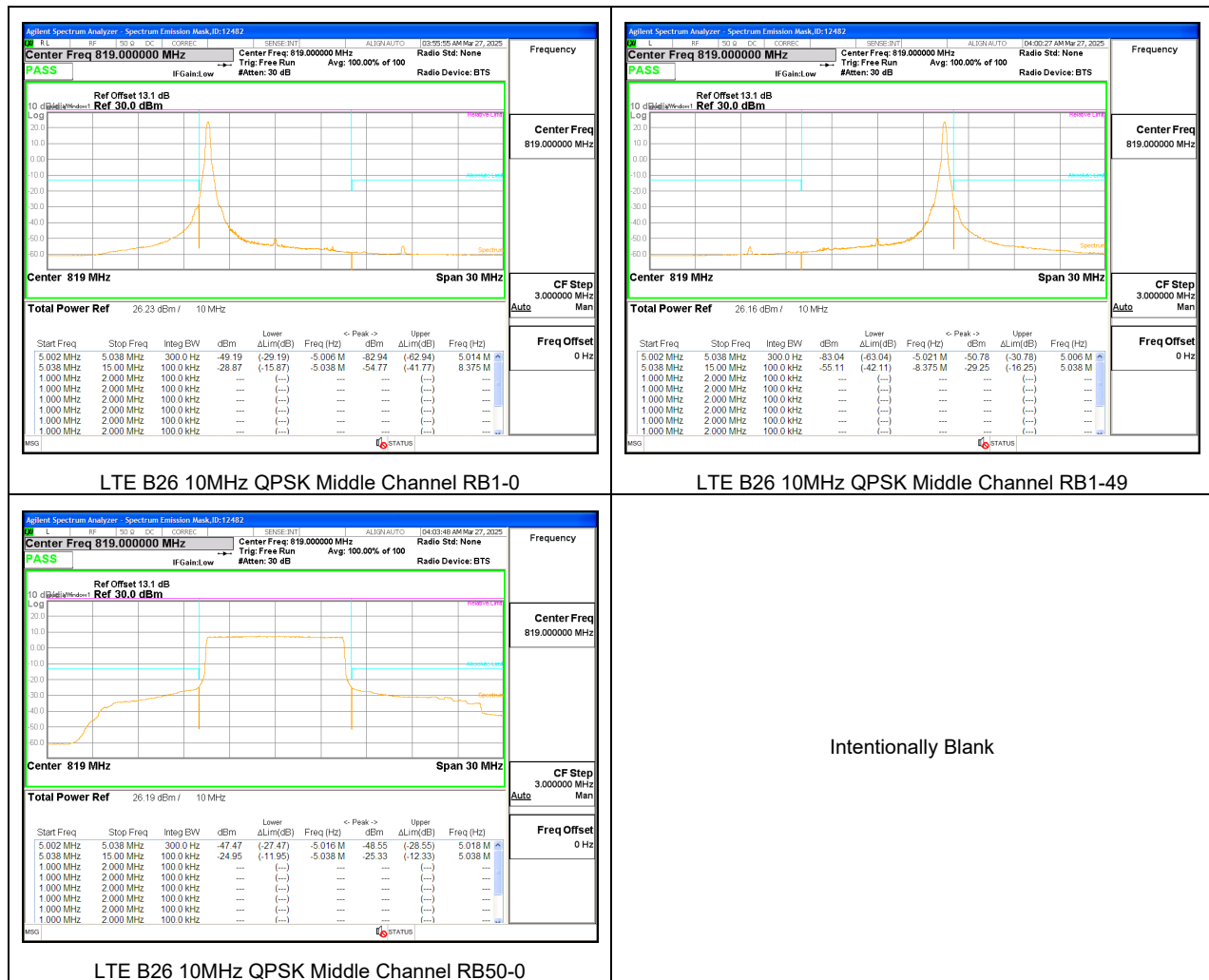


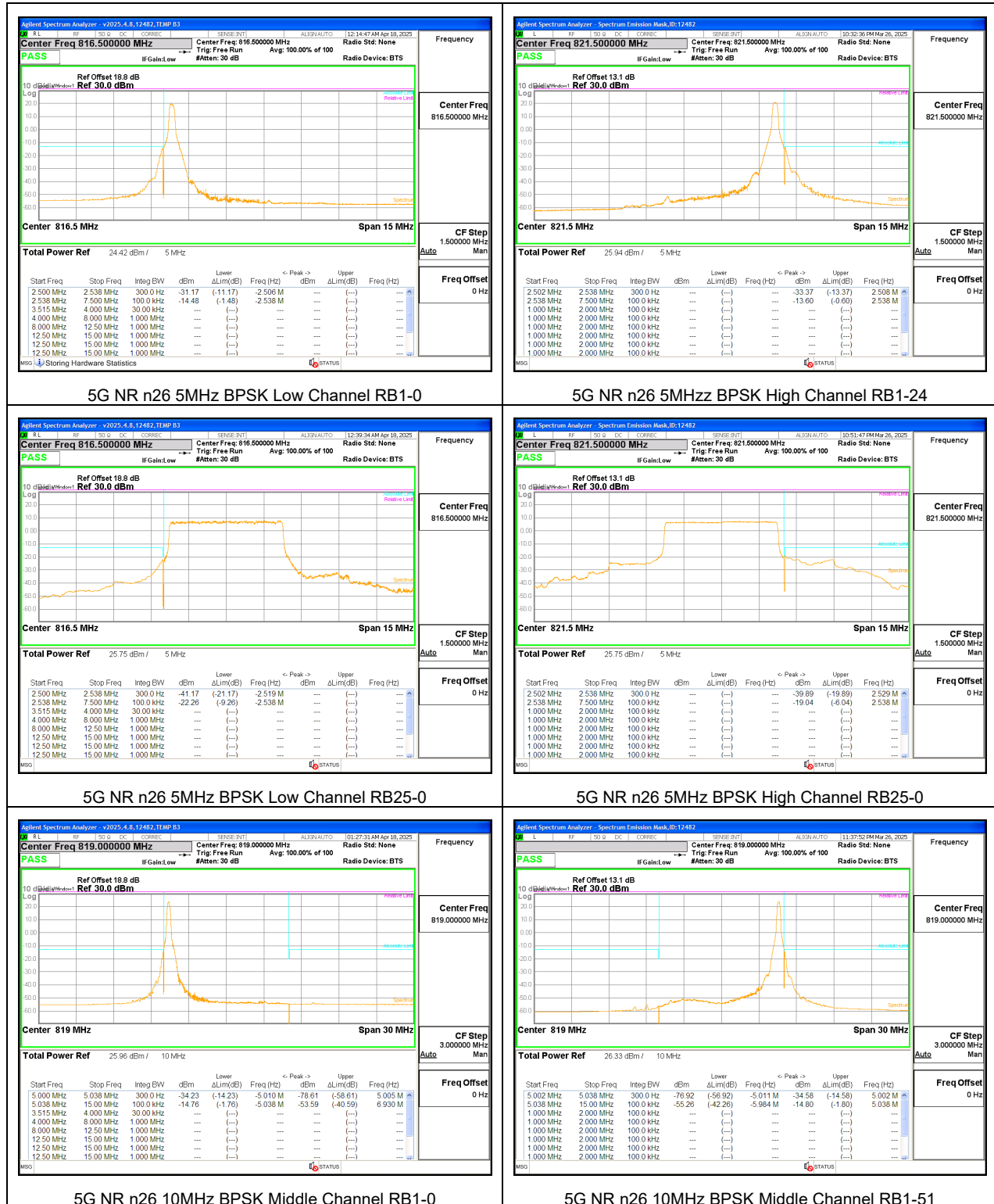
9.2.4. LTE BAND 26 (FCC PART 90S)

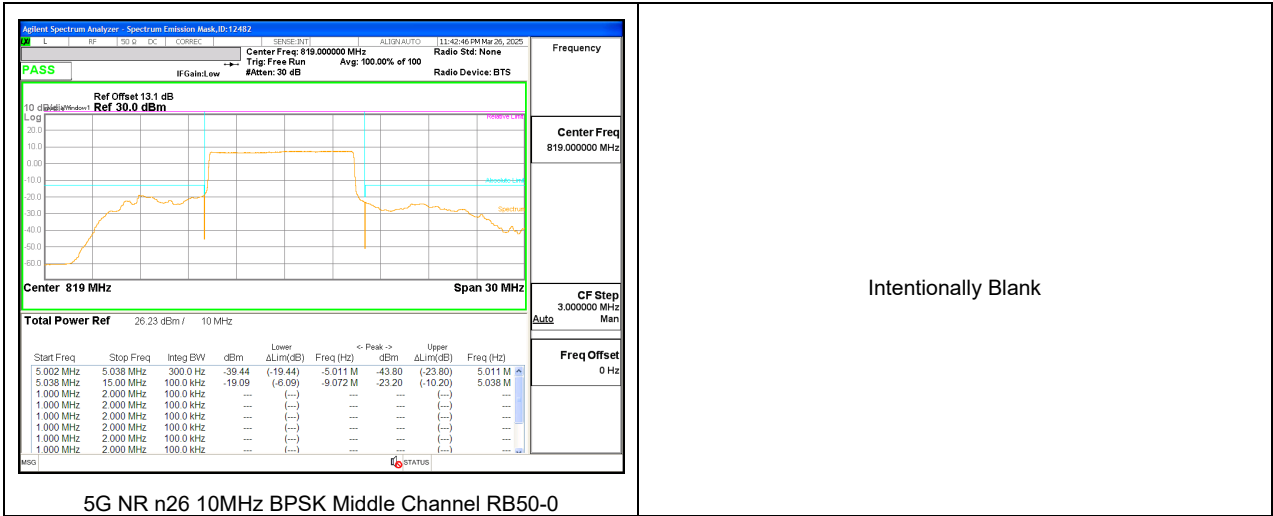




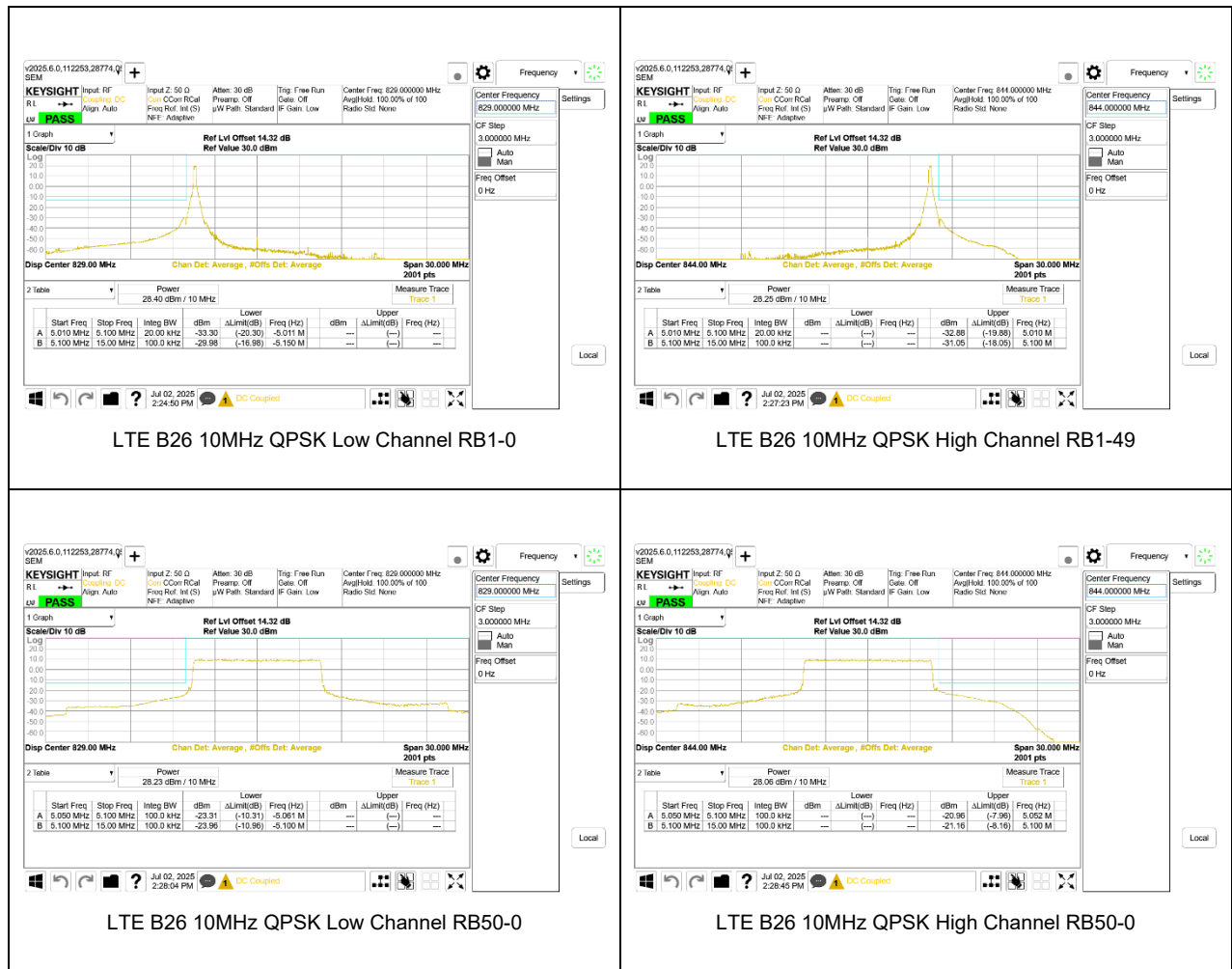


9.2.5. 5G NR n26 (FCC PART 90S)

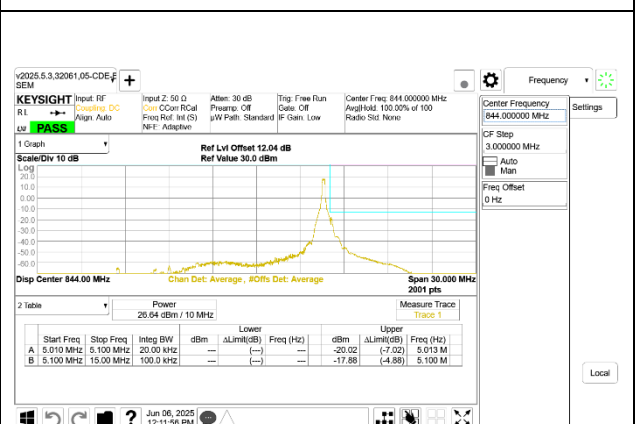
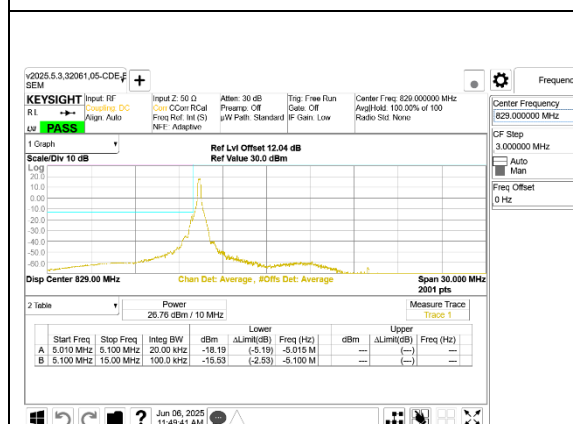
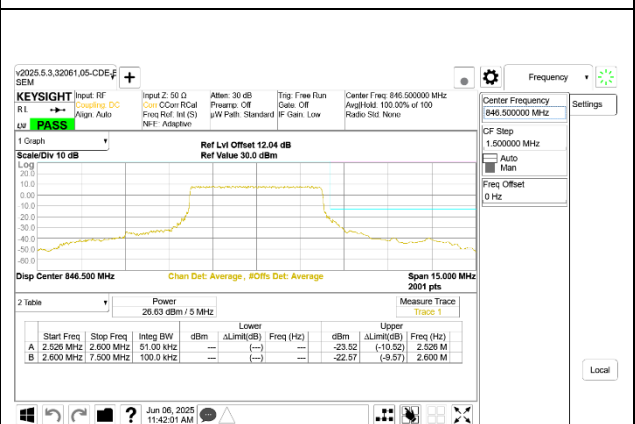
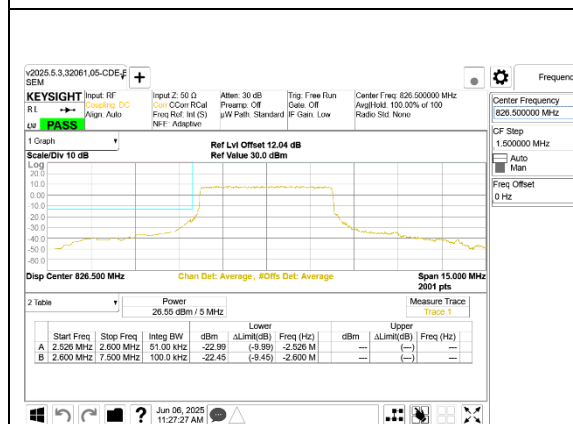
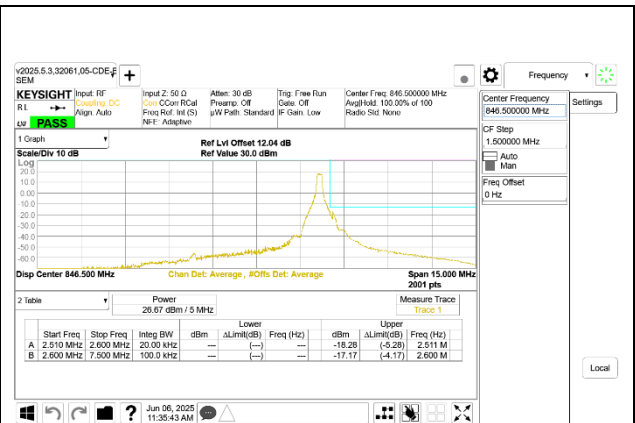
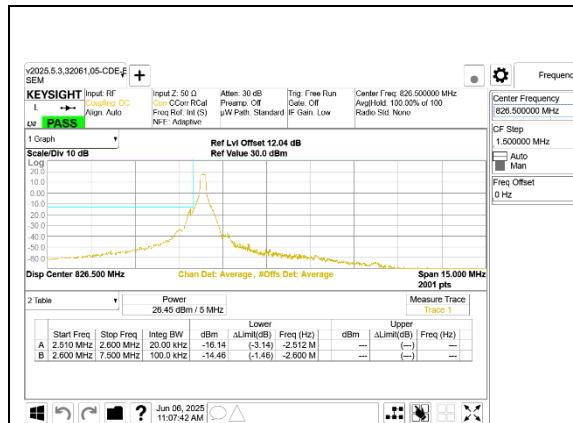








9.2.7. 5G NR n26 (FCC PART 22)







9.3. OUT OF BAND EMISSIONS

LIMITS

FCC: §22.917

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

FCC: §90.691

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

RSS132§5.5

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

TEST PROCEDURE

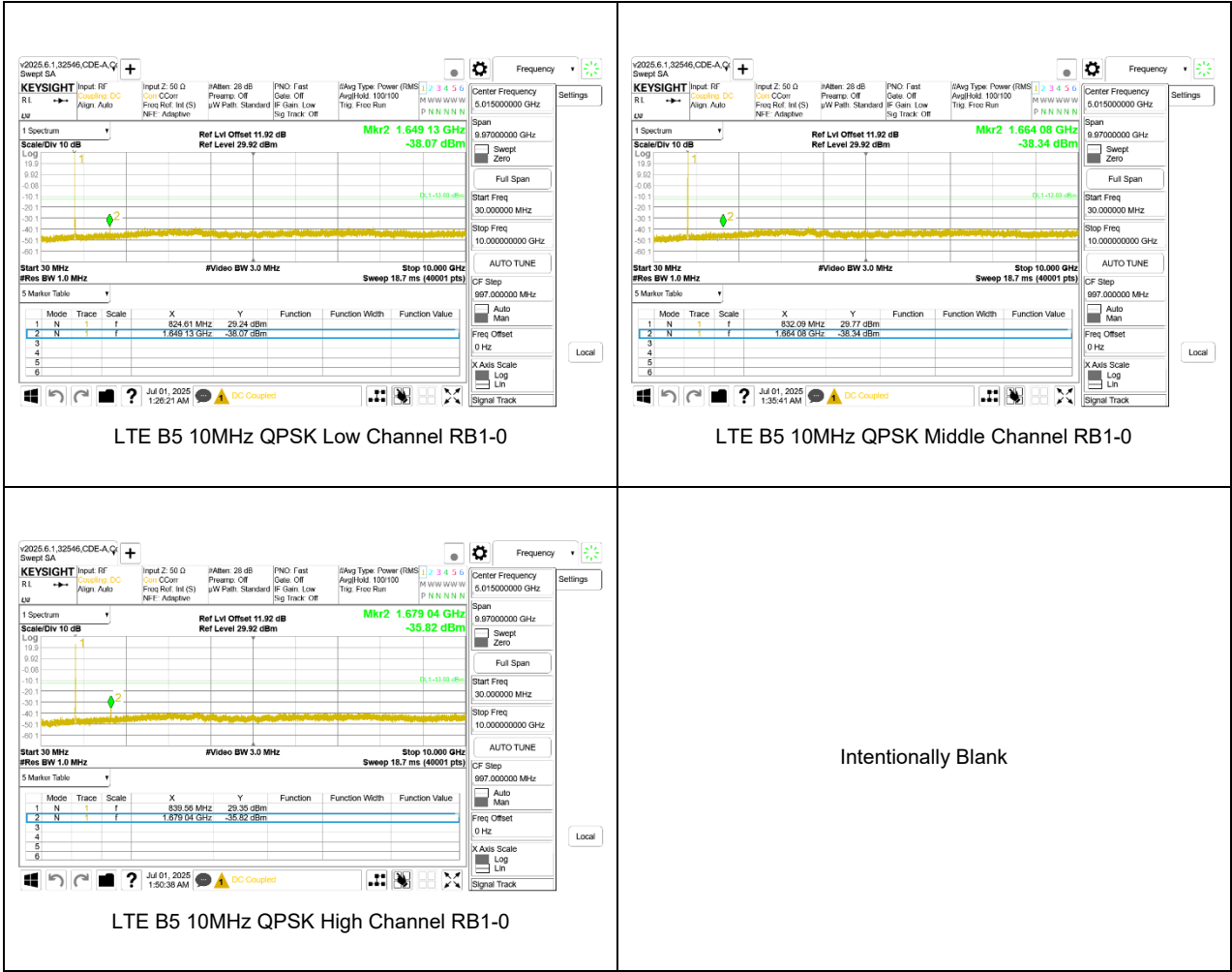
The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case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

For each out of band emissions measurement:

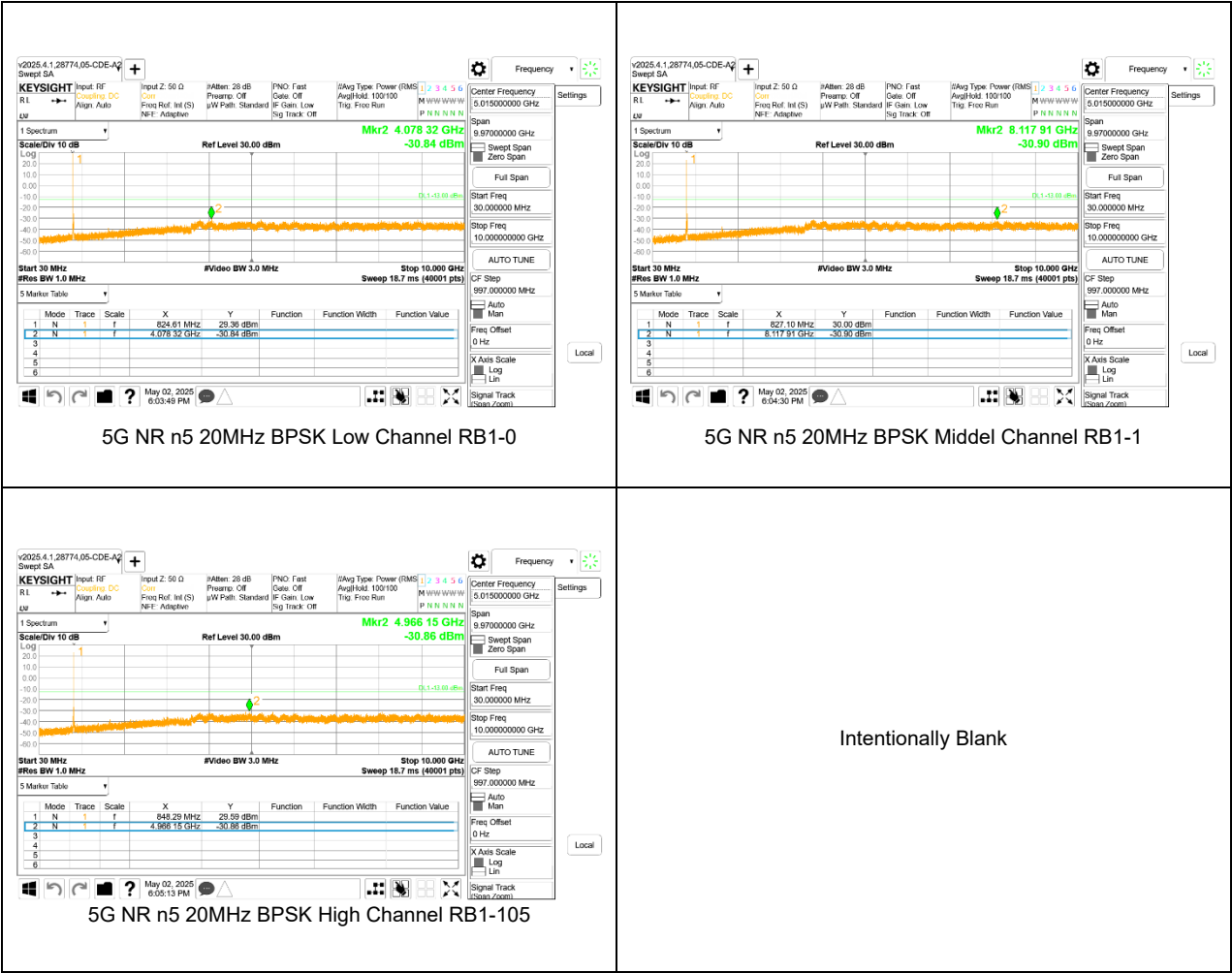
- Set display line at -13 dBm
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
(NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

RESULTS

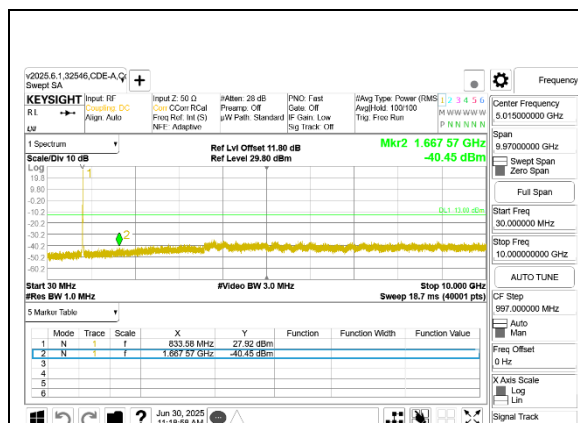
9.3.1. LTE BAND 5



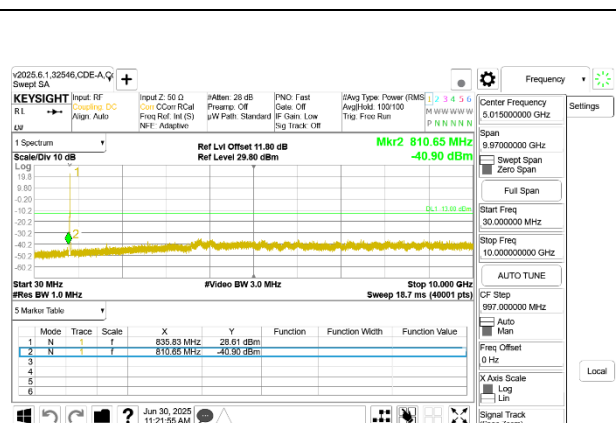
9.3.2. 5G NR n5



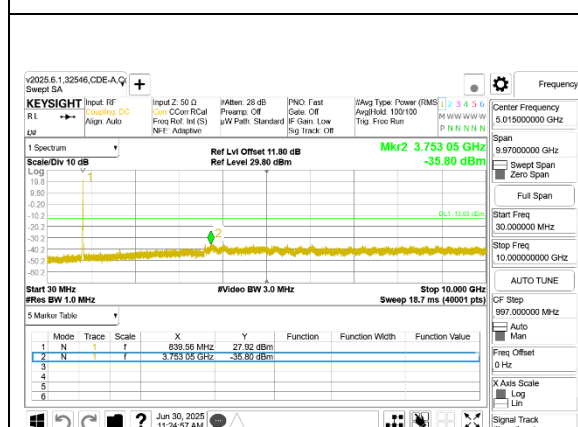
9.3.3. ULCA LTE BAND 5



ULCA LTE B5 10MHz + 10MHz QPSK Low Ch RB1-49 + RB1-0

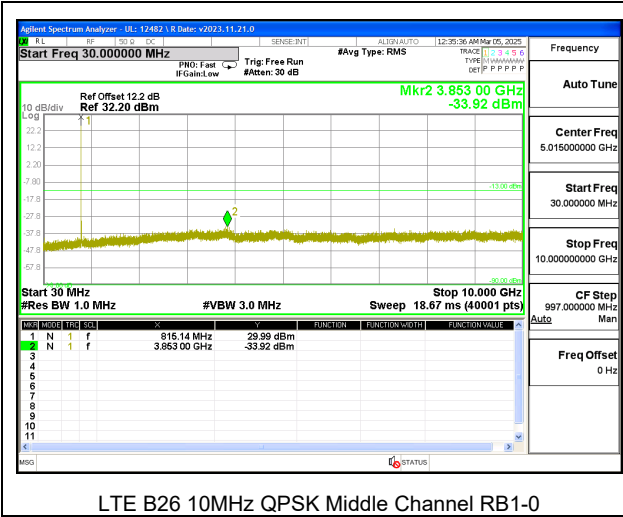


ULCA LTE B5 10MHz + 10MHz QPSK Middle Ch RB1-49 + RB1-0

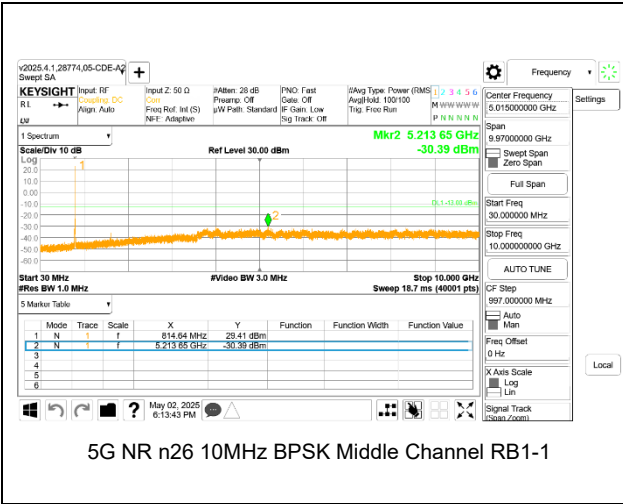


ULCA LTE B5 10MHz + 10MHz QPSK High Ch RB1-49 + RB1-0

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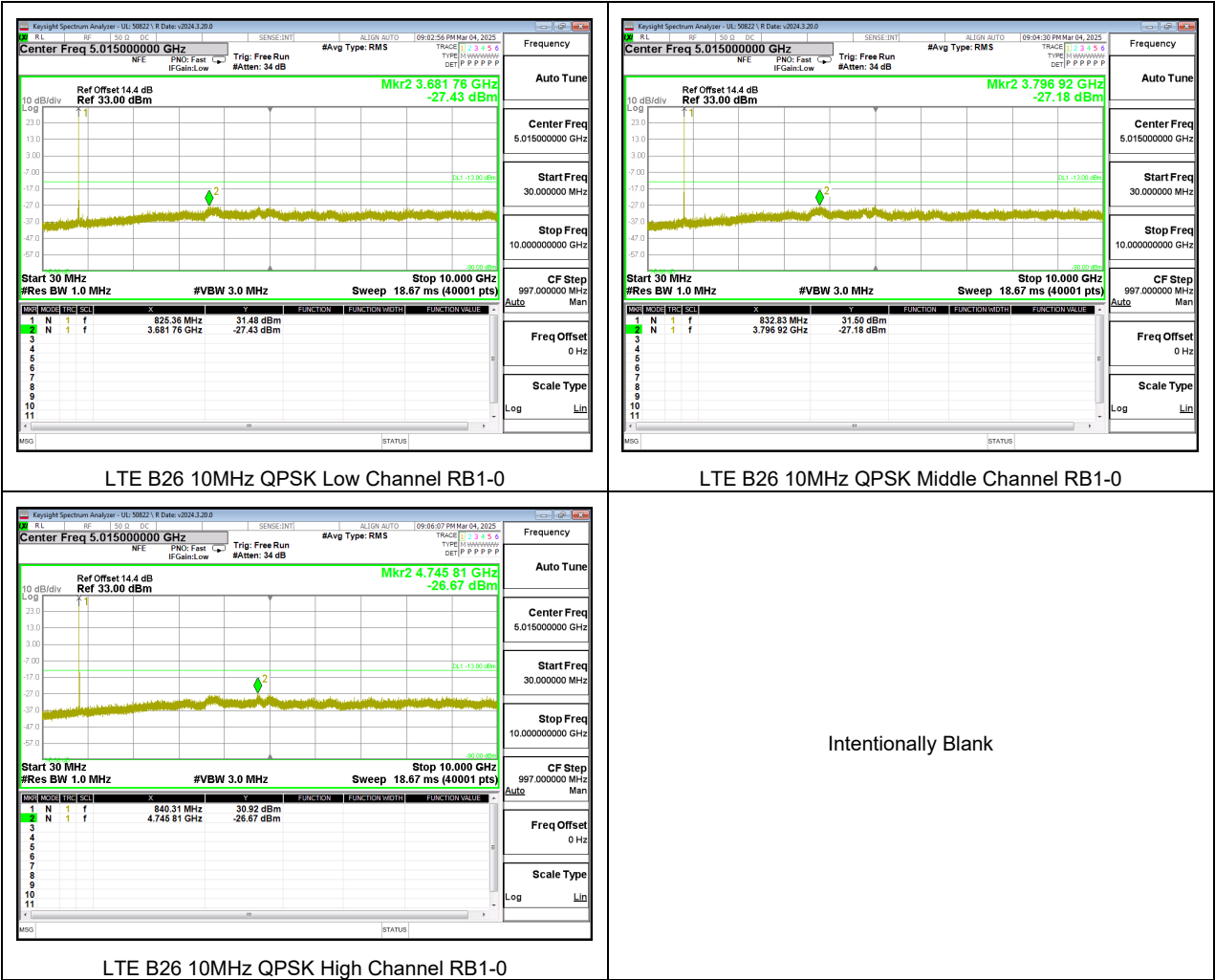


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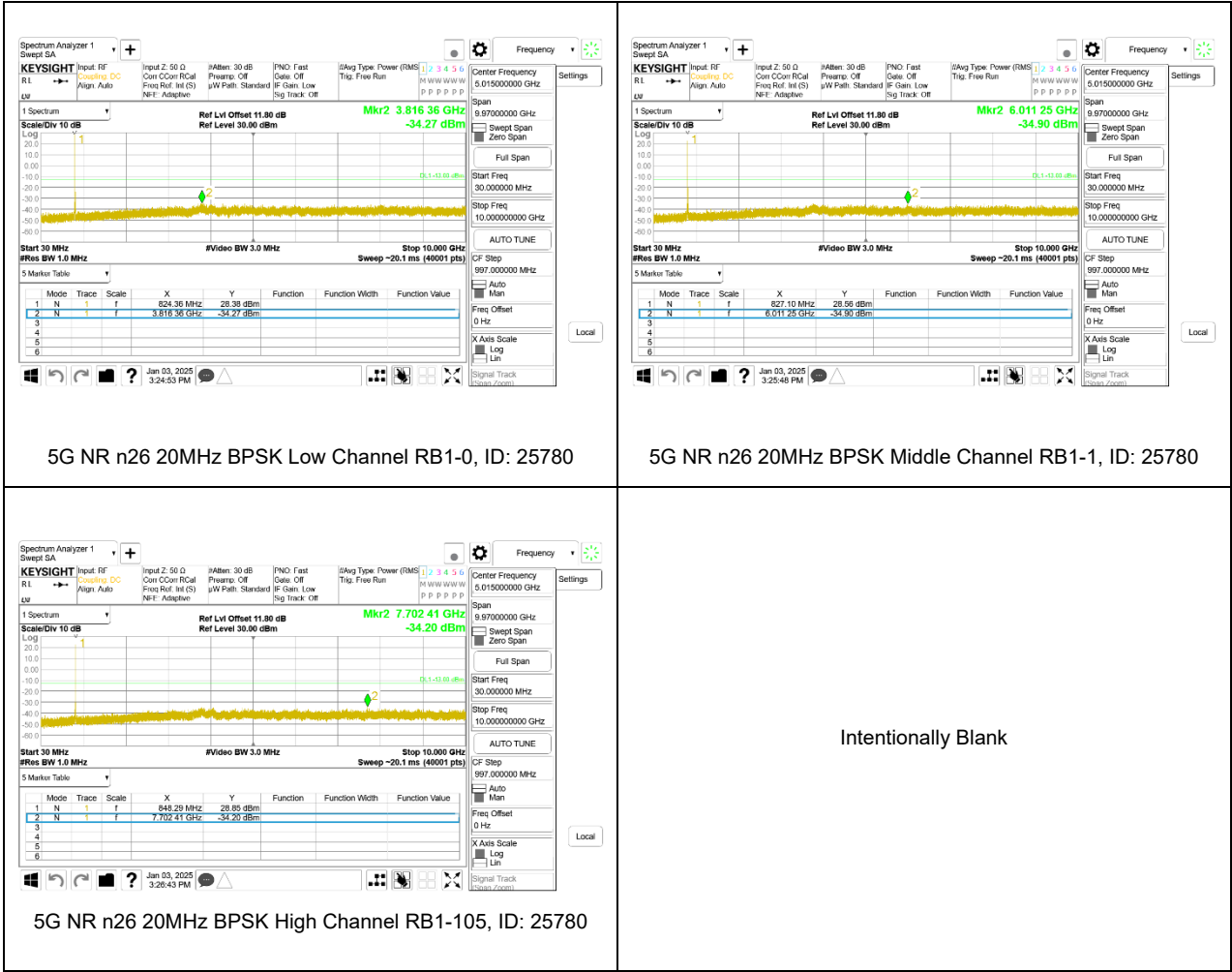


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9.3.6. LTE BAND 26 (FCC PART 22)



9.3.7. 5G NR n26 (FCC PART 22)



9.4. FREQUENCY STABILITY

LIMITS

FCC: §22.355

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

FCC: §90.213

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

ISED: RSS132§5.3

The frequency stability shall be sufficient to ensure that the occupied bandwidth stays within each of the sub-bands when tested at the temperature and supply voltage variations specified in RSS-Gen.

TEST PROCEDURE

Use base station simulator with Frequency Error measurement capability.

- Temp. = -30°C to $+50^{\circ}\text{C}$
- Voltage = (85% - 115%)
Low voltage, 3.23VDC, Normal, 3.8VDC and High voltage, 4.37VDC.
End Voltage, 3.2VDC.

Frequency Stability vs Temperature:

The EUT is placed inside a temperature chamber. The temperature is set to 20°C and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured. The temperature is increased by 10 degrees, allowed to stabilize and soak, and then the measurement is repeated. This is repeated until $+50^{\circ}\text{C}$ is reached.

Frequency Stability vs Voltage:

The peak frequency error is recorded (worst-case).

RESULTS

See the following pages.

9.4.1. LTE BAND 5 (QPSK 10MHz BANDWIDTH)

Test Engineer ID:	32546	Test Date:	2025-03-04
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Band	5	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		824	849		2.5	
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	824.5245	848.4714			
Extreme (50°C)		824.5245	848.4714	4.3	0.005	Yes
Extreme (40°C)		824.5245	848.4714	4.2	0.005	Yes
Extreme (30°C)		824.5245	848.4714	4.5	0.005	Yes
Extreme (10°C)		824.5245	848.4714	-4.2	-0.005	Yes
Extreme (0°C)		824.5245	848.4714	3.8	0.005	Yes
Extreme (-10°C)		824.5245	848.4714	5.8	0.007	Yes
Extreme (-20°C)		824.5245	848.4714	6.0	0.007	Yes
Extreme (-30°C)		824.5245	848.4714	5.8	0.007	Yes
20°C	15%	824.5245	848.4714	5.2	0.006	Yes
	-15%	824.5245	848.4714	4.9	0.006	Yes
	End Point Voltage	824.5245	848.4714	4.7	0.006	Yes

9.4.2. 5G NR n5 (BPSK 20MHz BANDWIDTH)

Test Engineer ID:	12482	Test Date:	2025-03-21
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Band	5	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		824	849		2.5	
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	824.5144	847.3902			
Extreme (50°C)		824.5144	847.3902	-5.0	-0.006	Yes
Extreme (40°C)		824.5144	847.3902	1.5	0.002	Yes
Extreme (30°C)		824.5144	847.3902	2.3	0.003	Yes
Extreme (10°C)		824.5144	847.3902	-2.0	-0.002	Yes
Extreme (0°C)		824.5144	847.3902	2.8	0.003	Yes
Extreme (-10°C)		824.5144	847.3902	-2.6	-0.003	Yes
Extreme (-20°C)		824.5144	847.3902	-1.8	-0.002	Yes
Extreme (-30°C)		824.5144	847.3902	-1.5	-0.002	Yes
20°C	15%	824.5144	847.3902	2.6	0.003	Yes
	-15%	824.5144	847.3902	2.5	0.003	Yes
	End Point Voltage	824.5144	847.3902	-1.7	-0.002	Yes

9.4.3. ULCA LTE BAND 5 (QPSK 10MHz + 10MHz BANDWIDTH)

Test Engineer ID:	32546	Test Date:	2025-03-06
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Band	5	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		824	849		2.5	
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	824.5635	848.4322			
Extreme (50°C)		824.5635	848.4323	28.7	0.034	Yes
Extreme (40°C)		824.5635	848.4323	39.5	0.047	Yes
Extreme (30°C)		824.5635	848.4323	33.4	0.040	Yes
Extreme (10°C)		824.5635	848.4322	4.0	0.005	Yes
Extreme (0°C)		824.5635	848.4322	-22.7	-0.027	Yes
Extreme (-10°C)		824.5634	848.4322	-34.7	-0.041	Yes
Extreme (-20°C)		824.5634	848.4322	-39.3	-0.047	Yes
Extreme (-30°C)		824.5634	848.4322	-34.7	-0.041	Yes
20°C	15%	824.5635	848.4323	23.5	0.028	Yes
	-15%	824.5635	848.4323	24.0	0.029	Yes
	End Point Voltage	824.5635	848.4323	22.4	0.027	Yes

9.4.4. LTE BAND 26 (QPSK 10MHz BANDWIDTH, FCC PART 90S)

Test Engineer ID:	32546	Test Date:	2025-03-04
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Band	26	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		814	824		2.5	
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	814.5120	823.4694			
Extreme (50°C)		814.5120	823.4694	4.5	0.006	Yes
Extreme (40°C)		814.5120	823.4694	5.3	0.006	Yes
Extreme (30°C)		814.5120	823.4694	4.3	0.005	Yes
Extreme (10°C)		814.5120	823.4694	-3.7	-0.005	Yes
Extreme (0°C)		814.5120	823.4694	6.9	0.008	Yes
Extreme (-10°C)		814.5120	823.4694	5.6	0.007	Yes
Extreme (-20°C)		814.5120	823.4694	6.6	0.008	Yes
Extreme (-30°C)		814.5120	823.4694	5.1	0.006	Yes
20°C	15%	814.5120	823.4694	3.7	0.005	Yes
	-15%	814.5120	823.4694	-3.8	-0.005	Yes
	End Point Voltage	814.5120	823.4694	4.6	0.006	Yes

9.4.5. 5G NR n26 (BPSK 10MHz BANDWIDTH, FCC PART 90S)

Test Engineer ID:	32546	Test Date:	2025-03-29
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Band	26	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		814	824		2.5	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	
Temperature	Voltage					
Normal (20°C)	Normal	814.3481	823.2718			
Extreme (50°C)		814.3481	823.2718	-4.8	-0.006	Yes
Extreme (40°C)		814.3481	823.2718	-4.9	-0.006	Yes
Extreme (30°C)		814.3481	823.2718	-4.6	-0.006	Yes
Extreme (10°C)		814.3481	823.2718	-5.2	-0.006	Yes
Extreme (0°C)		814.3481	823.2718	-4.1	-0.005	Yes
Extreme (-10°C)		814.3481	823.2718	-4.9	-0.006	Yes
Extreme (-20°C)		814.3481	823.2718	-4.7	-0.006	Yes
Extreme (-30°C)		814.3481	823.2718	-4.8	-0.006	Yes
20°C	15%	814.3481	823.2718	-4.8	-0.006	Yes
	-15%	814.3481	823.2718	-5.5	-0.007	Yes
	End Point Voltage	814.3481	823.2718	-4.7	-0.006	Yes

9.4.6. LTE BAND 26 (QPSK 10MHz BANDWIDTH, FCC PART 22)

Test Engineer ID:	32546	Test Date:	2025-03-04
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Band	26	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		824	849		2.5	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	
Temperature	Voltage					
Normal (20°C)	Normal	824.5259	848.4795			
Extreme (50°C)		824.5259	848.4795	-4.0	-0.005	Yes
Extreme (40°C)		824.5259	848.4795	-4.6	-0.006	Yes
Extreme (30°C)		824.5259	848.4795	-4.1	-0.005	Yes
Extreme (10°C)		824.5259	848.4795	-4.4	-0.005	Yes
Extreme (0°C)		824.5259	848.4795	3.9	0.005	Yes
Extreme (-10°C)		824.5259	848.4795	4.1	0.005	Yes
Extreme (-20°C)		824.5259	848.4795	4.5	0.005	Yes
Extreme (-30°C)		824.5259	848.4795	4.4	0.005	Yes
20°C	15%	824.5259	848.4795	-3.9	-0.005	Yes
	-15%	824.5259	848.4795	-4.2	-0.005	Yes
	End Point Voltage	824.5259	848.4795	-4.5	-0.005	Yes

9.4.7. 5G NR n26 (BPSK 20MHz BANDWIDTH, FCC PART 22)

Test Engineer ID:	32546	Test Date:	2025-03-29
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Band	26	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		824	849		2.5	
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	824.3514	848.2695			
Extreme (50°C)		824.3514	848.2695	1.9	0.002	Yes
Extreme (40°C)		824.3514	848.2695	2.1	0.003	Yes
Extreme (30°C)		824.3514	848.2695	-3.2	-0.004	Yes
Extreme (10°C)		824.3514	848.2695	2.4	0.003	Yes
Extreme (0°C)		824.3514	848.2695	-2.2	-0.003	Yes
Extreme (-10°C)		824.3514	848.2695	3.2	0.004	Yes
Extreme (-20°C)		824.3514	848.2695	2.5	0.003	Yes
Extreme (-30°C)		824.3514	848.2695	-2.7	-0.003	Yes
20°C	15%	824.3514	848.2695	2.4	0.003	Yes
	-15%	824.3514	848.2695	2.5	0.003	Yes
	End Point Voltage	824.3514	848.2695	3.8	0.005	Yes

9.5. PEAK-TO-AVERAGE POWER RATIO

LIMIT

FCC: §22.913 (d)

The peak-to-average ratio (PAR) of the transmission must not exceed 13 dB.

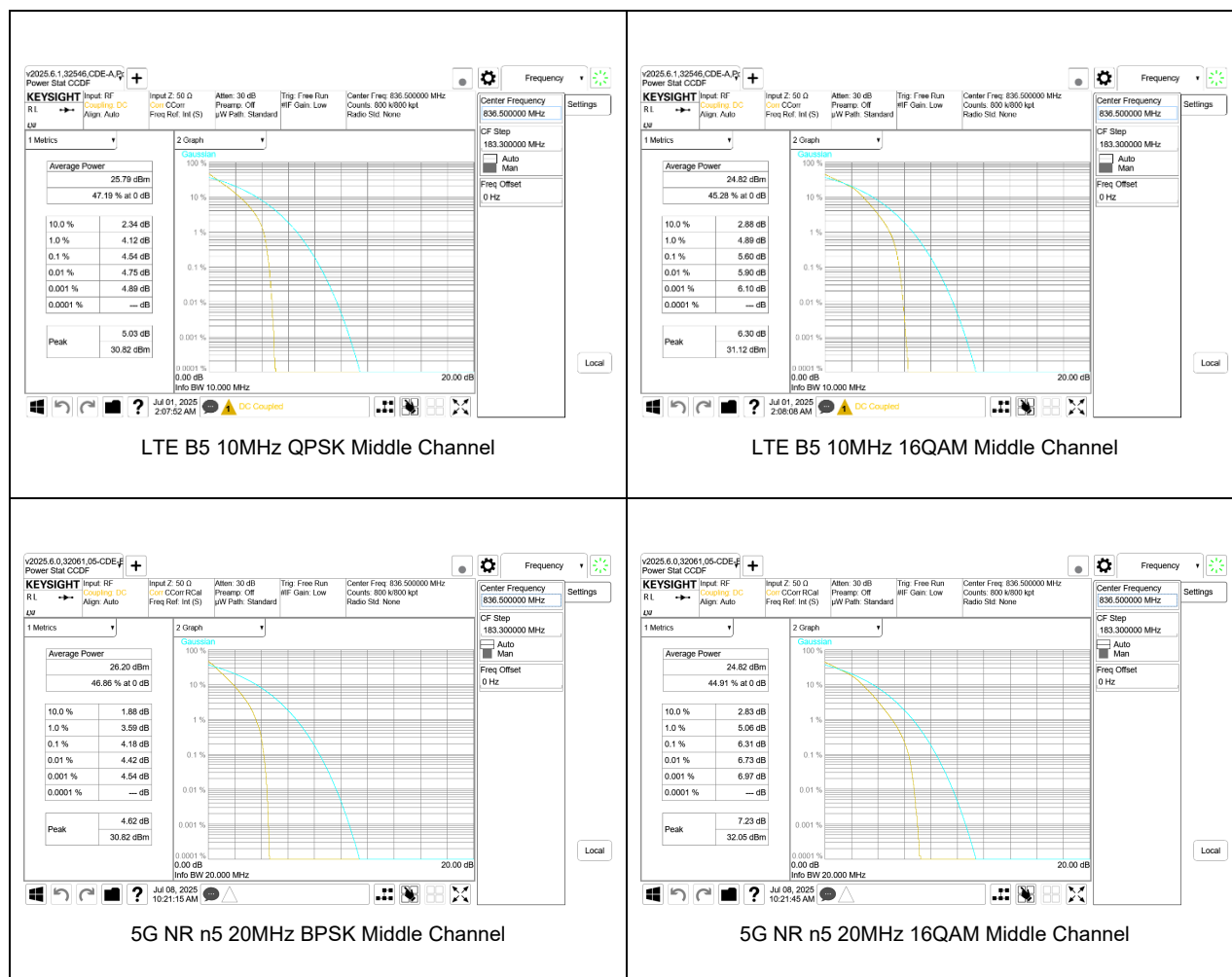
ISED: RSS132§5.4

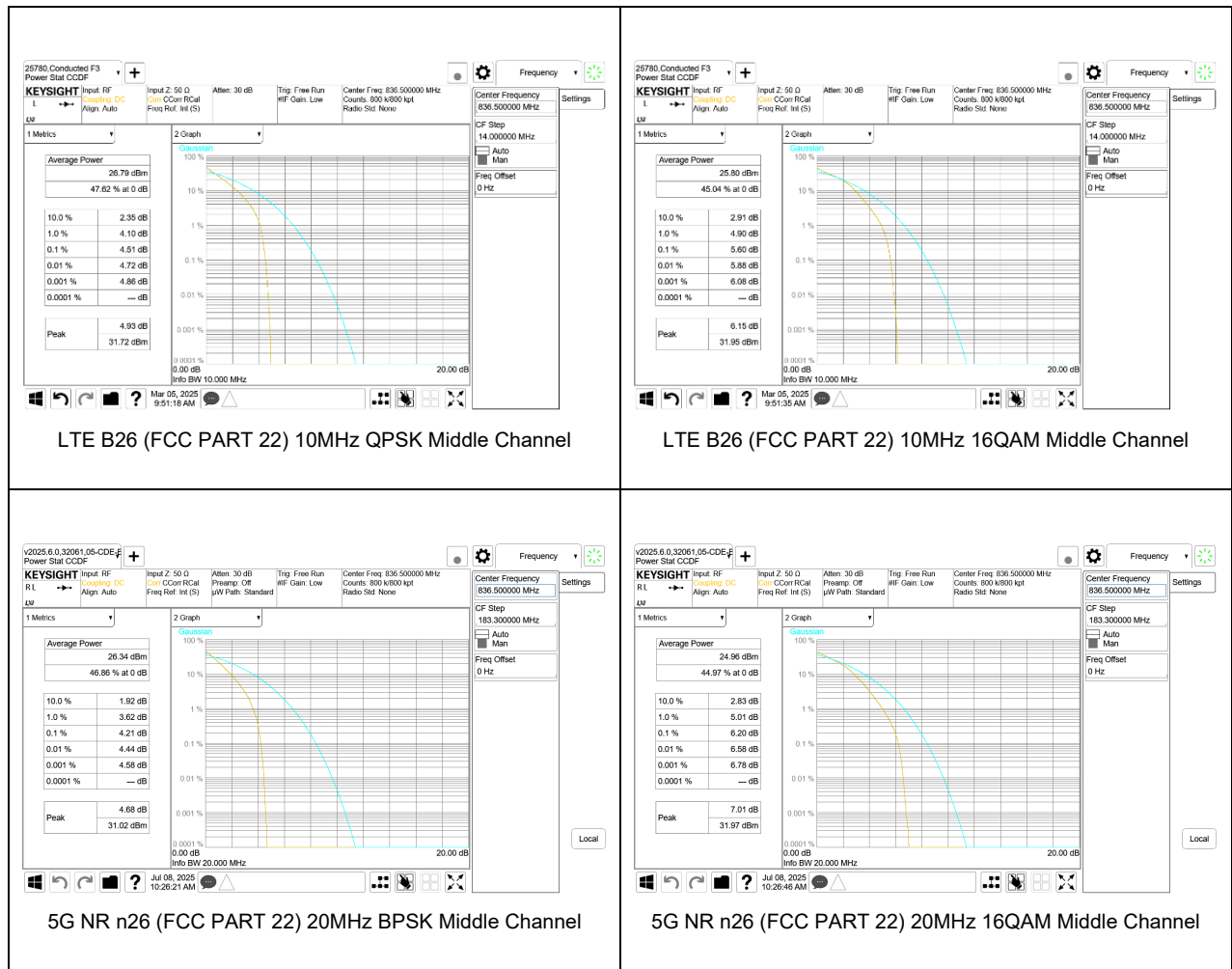
In addition, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1% of the time using a signal corresponding to the highest PAPR during periods of continuous transmission.

RESULT

Antenna 1 was used to measure as the worst case; full resource block (FRB) for each bandwidth was used to measure as the worst case. The results from all CCDF measurements are passed with 13dB peak-to-average power ratio criteria.

Example Plots: FULL RB





9.5.1. LTE BAND 5

Test Engineer ID:	32546	Test Date:	2025-07-01
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Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
LTE Band 5	1.4MHz	836.5	6	0	QPSK	30.42	25.69	4.73
					16QAM	30.66	24.76	5.90
	3MHz		15	0	QPSK	30.94	25.77	5.17
					16QAM	30.69	24.81	5.88
	5MHz		25	0	QPSK	30.62	25.79	4.83
					16QAM	30.88	24.8	6.08
	10MHz		50	0	QPSK	30.82	25.79	5.03
					16QAM	31.12	24.82	6.30
Duty Cycle Correction Factor (dB) =			0.00					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

9.5.2. 5G NR n5

Test Engineer ID:	32061	Test Date:	2025-07-07
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Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
5G NR n5	5MHz	836.5	25	0	BPSK	30.48	26.11	4.37
					16QAM	31.63	24.87	6.76
	10MHz		50	0	BPSK	30.48	26.07	4.41
					16QAM	31.58	24.81	6.77
	15MHz		75	0	BPSK	30.75	26.14	4.61
					16QAM	31.82	24.81	7.01
	20MHz		100	0	BPSK	30.82	26.2	4.62
					16QAM	32.05	24.82	7.23
Duty Cycle Correction Factor (dB) =			0.00					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

9.5.3. ULCA LTE BAND 5

Test Engineer ID:	25780	Test Date:	2025-03-06
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Band	Bandwidth (MHz)	PCC f (MHz)	SCC1 f (MHz)	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
					Peak	Average	
ULCA LTE Band 5	3MHz / 5MHz	834.0	837.9	QPSK	32.70	26.25	6.45
				16QAM	32.70	25.5	7.20
	5 MHz / 3MHz	835.0	838.9	QPSK	32.71	26.30	6.41
				16QAM	32.59	25.35	7.24
	5MHz / 10MHz	831.6	838.8	QPSK	31.46	25.64	5.82
				16QAM	31.59	24.7	6.89
	10MHz / 5MHz	834.3	841.5	QPSK	31.73	25.58	6.15
				16QAM	31.61	24.60	7.01
10MHz / 10MHz	831.5	841.4	QPSK	31.57	25.57	6.00	
			16QAM	31.80	24.58	7.22	
Duty Cycle Correction Factor (dB) =			0.00				
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor							

9.5.4. LTE BAND 26 (FCC PART 90S)

Test Engineer ID:	25780	Test Date:	2025-03-04
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Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
LTE Band 26 (FCC Part 90S)	1.4MHz	819.0	6	0	QPSK	32.53	26.72	5.81
					16QAM	32.63	25.85	6.78
	3MHz		15	0	QPSK	31.89	26.93	4.96
					16QAM	31.82	25.97	5.85
	5MHz		25	0	QPSK	31.72	26.92	4.80
					16QAM	32.07	25.97	6.10
	10MHz		50	0	QPSK	32.09	26.95	5.14
					16QAM	32.20	25.94	6.26
Duty Cycle Correction Factor (dB) =			0.00					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

9.5.5. 5G NR n26 (FCC PART 90S)

Test Engineer ID:	32061	Test Date:	2025-07-07
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Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
5G NR n26 (FCC Part 90S)	5MHz	819.0	25	0	BPSK	30.47	26.17	4.30
					16QAM	31.62	24.88	6.74
	10MHz		50	0	BPSK	30.51	26.14	4.37
					16QAM	31.69	24.9	6.79
Duty Cycle Correction Factor (dB) =			0.00					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

9.5.6. LTE BAND 26 (FCC PART 22)

Test Engineer ID:	25780	Test Date:	2025-03-04
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Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
LTE Band 26 (FCC Part 22)	1.4MHz	836.5	6	0	QPSK	32.28	26.69	5.59
					16QAM	32.51	25.75	6.76
	3MHz		15	0	QPSK	31.81	26.83	4.98
					16QAM	31.80	25.86	5.94
	5MHz		25	0	QPSK	31.61	26.81	4.80
					16QAM	31.88	25.81	6.07
	10MHz		50	0	QPSK	31.72	26.79	4.93
					16QAM	31.95	25.80	6.15

Duty Cycle Correction Factor (dB) = 0.00

Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor

9.5.7. 5G NR n26 (FCC PART 22)

Test Engineer ID:	32061	Test Date:	2025-07-07
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Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
5G NR n26 (FCC Part 22)	5MHz	836.5	25	0	BPSK	30.60	26.16	4.44
					16QAM	31.64	24.96	6.68
	10MHz		50	0	BPSK	30.74	26.2	4.54
					16QAM	31.73	24.96	6.77
	15MHz		75	0	BPSK	30.55	26.17	4.38
					16QAM	31.92	24.93	6.99
	20MHz		100	0	BPSK	31.02	26.34	4.68
					16QAM	31.97	24.96	7.01

Duty Cycle Correction Factor (dB) = 0.00

Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor

10. RADIATED TEST RESULTS

LIMITS

FCC: §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.

FCC: §90.691

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.

RSS132§5.5

Equipment shall meet the unwanted emission limits specified below:

- (i) In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated below the transmitter output power P (dBW) by at least $43 + 10 \log(p)$ dB.
- (ii) After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated below the transmitter output power P (dBW) by at least $43 + 10 \log(p)$ dB. If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

p is the output power specified in watts.

Radiated measurement using the Field Strength Method

Using the test configuration shown in Figure 6 below, the radiated emissions is measured directly from the EUT and convert the measured field strength or received power to ERP or EIRP, as required, for comparison to the applicable limits. As stated in 5.5.1 of ANSI C63.26-2015, the field strength measurement method using a test site validated to the requirements of ANSI C63.4 is an alternative to the substitution measurement.

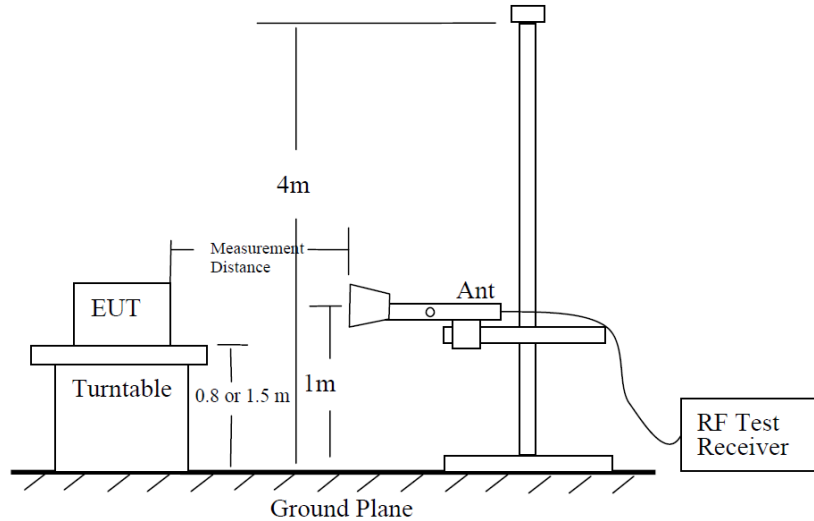


Figure 6 —Test site-up for radiated ERP and/or EIRP measurements

Radiated Power Measurement Calculation According to ANSI C63.26-2015

- a) $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dB}\mu\text{V)} + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$.
- b) $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$.
- c) $E \text{ (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20\log(D) + 104.8$; where D is the measurement distance (in the far field region) in m.
- d) $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8$; where D is the measurement distance (in the far field region) in m.

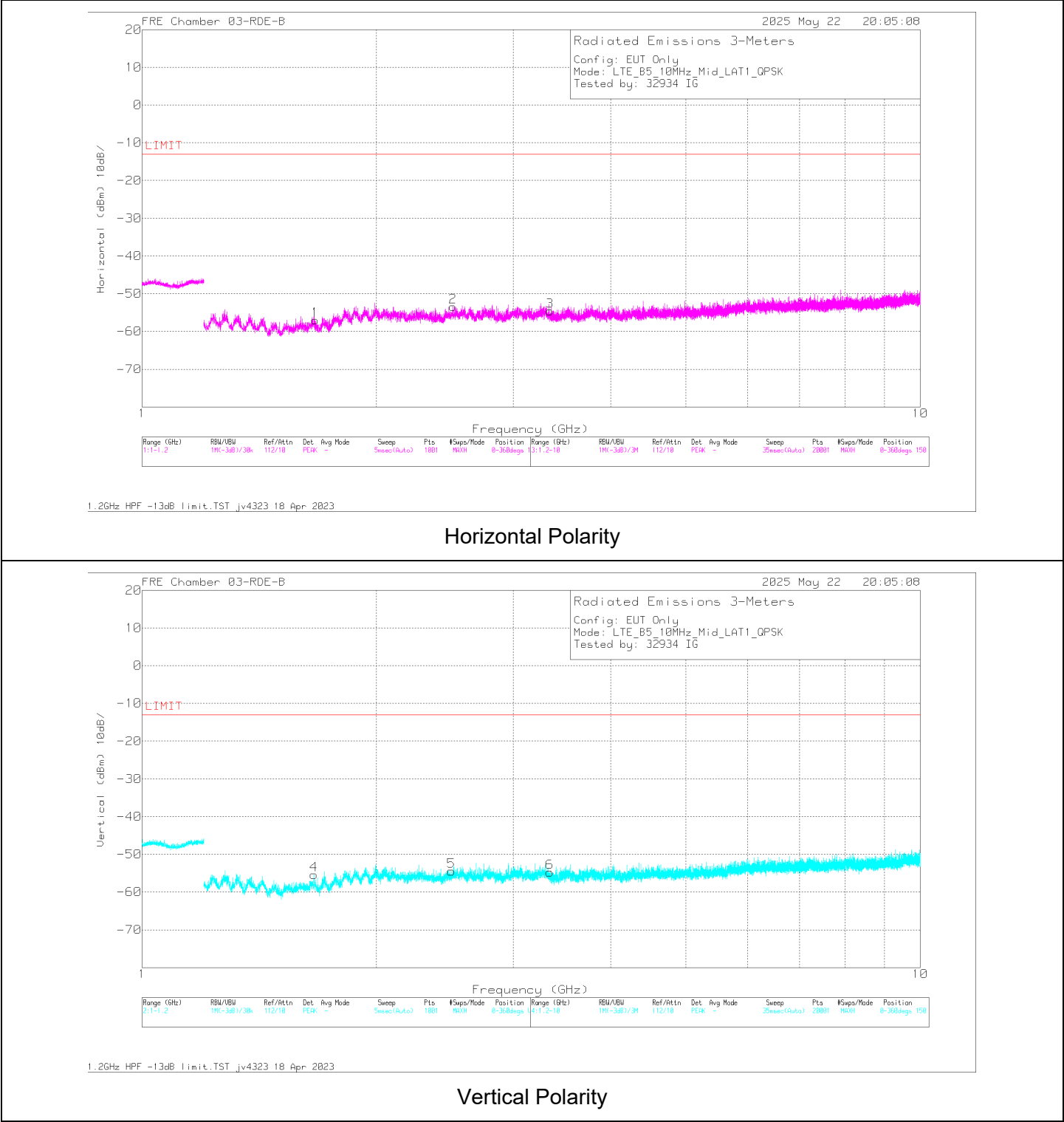
So, from d)

The measuring distance is usually at 3m, then $20 \cdot \log(3) = 9.5424$

Then, $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 9.5424 - 104.8 = E \text{ (dB}\mu\text{V/m)} - 95.2576$

Note: Confidence check of each chamber is performed daily to see if any degradation from expected/normal reading reference data. Ambient check of each chamber is performed monthly.

Example Plot



Trace Markers

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
1.662880	60.30	Pk	29	-95.2	-49.49	-55.39	-13	-42.39	V
1.668600	58.62	Pk	29	-95.2	-49.44	-57.02	-13	-44.02	H
2.497120	58.84	Pk	32	-95.2	-50.10	-54.46	-13	-41.46	V
2.508120	59.68	Pk	32	-95.2	-49.90	-53.42	-13	-40.42	H
3.340160	54.95	Pk	32.7	-95.2	-47.18	-54.73	-13	-41.73	V
3.343240	55.09	Pk	32.7	-95.2	-47.20	-54.61	-13	-41.61	H

10.1. FIELD STRENGTH OF SPURIOUS RADIATION, ABOVE 1GHz

TEST PROCEDURE

KDB 971168 D01 /D02

All tests above 1GHz were done with a Resolution Bandwidth of 1MHz, and a Video Bandwidth of 3MHz

RESULTS

10.1.1. LTE BAND 5

LTE BAND 5 (QPSK 10.0MHZ BANDWIDTH, ANT 1)

Project #:	15496277
Date:	2025-05-22
Test Engineer:	32934
Configuration:	EUT Only
Mode	LTE B5 QPSK 10MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 829MHz									
1.648800	59.03	Pk	28.9	-95.2	-49.40	-56.67	-13	-43.67	V
1.656280	59.33	Pk	29.0	-95.2	-49.40	-56.27	-13	-43.27	H
2.524840	59.81	Pk	32.1	-95.2	-49.70	-52.99	-13	-39.99	V
2.535840	59.82	Pk	32.2	-95.2	-49.60	-52.78	-13	-39.78	H
3.323000	57.23	Pk	32.8	-95.2	-47.30	-52.47	-13	-39.47	H
3.333560	55.63	Pk	32.7	-95.2	-47.34	-54.21	-13	-41.21	V
Mid Channel, 836.5MHz									
1.662880	60.30	Pk	29	-95.2	-49.49	-55.39	-13	-42.39	V
1.668600	58.62	Pk	29	-95.2	-49.44	-57.02	-13	-44.02	H
2.497120	58.84	Pk	32	-95.2	-50.10	-54.46	-13	-41.46	V
2.508120	59.68	Pk	32	-95.2	-49.90	-53.42	-13	-40.42	H
3.340160	54.95	Pk	32.7	-95.2	-47.18	-54.73	-13	-41.73	V
3.343240	55.09	Pk	32.7	-95.2	-47.20	-54.61	-13	-41.61	H
High Channel, 844MHz									
1.713920	59.79	Pk	29.4	-95.2	-49.59	-55.60	-13	-42.60	V
1.721400	60.14	Pk	29.4	-95.2	-49.60	-55.26	-13	-42.26	H
2.529680	59.77	Pk	32.2	-95.2	-49.70	-52.93	-13	-39.93	H
2.530120	58.96	Pk	32.2	-95.2	-49.70	-53.74	-13	-40.74	V
3.370960	55.01	Pk	32.7	-95.2	-47.30	-54.79	-13	-41.79	V
3.377560	55.19	Pk	32.7	-95.2	-47.40	-54.71	-13	-41.71	H

LTE BAND 5 (QPSK 10.0MHZ BANDWIDTH, ANT 2)

Project #:	15496277
Date:	2025-04-10
Test Engineer:	32934
Configuration:	EUT Only
Mode	LTE B5 QPSK 10MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 829MHz									
1.661560	59.18	Pk	29.0	-95.2	-49.40	-56.42	-13	-43.42	H
1.663320	59.20	Pk	29.0	-95.2	-49.50	-56.50	-13	-43.50	V
2.510320	60.38	Pk	32.0	-95.2	-49.90	-52.72	-13	-39.72	H
2.555640	60.17	Pk	32.2	-95.2	-49.60	-52.43	-13	-39.43	V
3.319920	55.83	Pk	32.8	-95.2	-47.40	-53.97	-13	-40.97	H
3.322120	55.98	Pk	32.8	-95.2	-47.30	-53.72	-13	-40.72	V
Mid Channel, 836.5MHz									
1.669040	58.14	Pk	29.0	-95.2	-49.40	-57.46	-13	-44.46	H
1.666840	58.28	Pk	29.0	-95.2	-49.42	-57.34	-13	-44.34	V
3.349840	56.05	Pk	32.7	-95.2	-47.20	-53.65	-13	-40.65	H
3.352040	54.88	Pk	32.7	-95.2	-47.10	-54.72	-13	-41.72	V
2.501080	58.85	Pk	32.0	-95.2	-50.00	-54.35	-13	-41.35	V
2.512520	59.52	Pk	32.0	-95.2	-49.90	-53.58	-13	-40.58	H
High Channel, 844MHz									
1.690160	57.74	Pk	29.1	-95.2	-49.50	-57.86	-13	-44.86	H
1.678720	60.19	Pk	29.0	-95.2	-49.50	-55.51	-13	-42.51	V
2.531880	59.53	Pk	32.2	-95.2	-49.70	-53.17	-13	-40.17	H
2.535400	58.89	Pk	32.2	-95.2	-49.60	-53.71	-13	-40.71	V
3.378000	55.02	Pk	32.7	-95.2	-47.40	-54.88	-13	-41.88	H
3.385040	55.88	Pk	32.7	-95.2	-47.30	-53.92	-13	-40.92	V

10.1.2. 5G NR n5

5G NR n5 (BPSK 20.0MHZ BANDWIDTH, ANT 1)

Project #:	15496277
Date:	2025-05-22
Test Engineer:	32934
Configuration:	EUT Only
Mode	5G NR n5 BPSK 20MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 834MHz									
1.665520	59.25	Pk	29.0	-95.2	-49.50	-56.45	-13	-43.45	V
1.674760	58.18	Pk	29.0	-95.2	-49.40	-57.42	-13	-44.42	H
2.535400	60.06	Pk	32.2	-95.2	-49.60	-52.54	-13	-39.54	H
2.590400	59.78	Pk	32.3	-95.2	-49.36	-52.48	-13	-39.48	V
3.330040	55.28	Pk	32.7	-95.2	-47.30	-54.52	-13	-41.52	V
3.340600	55.41	Pk	32.7	-95.2	-47.14	-54.23	-13	-41.23	H
Mid Channel, 836.5MHz									
1.666840	58.37	Pk	29.0	-95.2	-49.42	-57.25	-13	-44.25	V
1.672120	58.45	Pk	29.0	-95.2	-49.40	-57.15	-13	-44.15	H
2.509440	59.00	Pk	32.0	-95.2	-49.90	-54.10	-13	-41.10	V
2.521320	60.33	Pk	32.1	-95.2	-49.80	-52.57	-13	-39.57	H
3.336640	56.68	Pk	32.7	-95.2	-47.30	-53.12	-13	-40.12	V
3.340160	56.15	Pk	32.7	-95.2	-47.18	-53.53	-13	-40.53	H
High Channel, 839MHz									
1.672560	58.66	Pk	29.0	-95.2	-49.40	-56.94	-13	-43.94	V
1.678280	59.33	Pk	29.0	-95.2	-49.50	-56.37	-13	-43.37	H
2.527040	60.45	Pk	32.1	-95.2	-49.80	-52.45	-13	-39.45	H
2.530120	58.75	Pk	32.2	-95.2	-49.70	-53.95	-13	-40.95	V
3.355560	55.82	Pk	32.7	-95.2	-47.14	-53.82	-13	-40.82	V
3.356000	55.08	Pk	32.7	-95.2	-47.10	-54.52	-13	-41.52	H

5G NR n5 (BPSK 20.0MHZ BANDWIDTH, ANT 2)

Project #:	15496277
Date:	2025-04-03
Test Engineer:	32934
Configuration:	EUT Only
Mode	5G NR n5 BPSK 20MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 834MHz									
1.666400	58.75	Pk	29.0	-95.2	-49.46	-56.91	-13	-43.91	H
1.663320	59.51	Pk	29.0	-95.2	-49.50	-56.19	-13	-43.19	V
2.500200	59.10	Pk	32.0	-95.2	-50.00	-54.10	-13	-41.10	V
2.498440	60.17	Pk	32.0	-95.2	-50.10	-53.13	-13	-40.13	H
3.338840	56.88	Pk	32.7	-95.2	-47.30	-52.92	-13	-39.92	V
3.335320	56.12	Pk	32.7	-95.2	-47.30	-53.68	-13	-40.68	H
Mid Channel, 836.5MHz									
1.679160	58.21	Pk	29.0	-95.2	-49.50	-57.49	-13	-44.49	H
1.673440	59.82	Pk	29.0	-95.2	-49.40	-55.78	-13	-42.78	V
2.501520	59.93	Pk	32.0	-95.2	-50.00	-53.27	-13	-40.27	V
2.504600	59.02	Pk	32.0	-95.2	-49.96	-54.14	-13	-41.14	H
3.341480	55.55	Pk	32.7	-95.2	-47.15	-54.10	-13	-41.10	V
3.344560	55.32	Pk	32.7	-95.2	-47.20	-54.38	-13	-41.38	H
High Channel, 839MHz									
1.682240	58.93	Pk	29.1	-95.2	-49.50	-56.67	-13	-43.67	H
1.682240	58.57	Pk	29.1	-95.2	-49.50	-57.03	-13	-44.03	V
2.531000	59.29	Pk	32.2	-95.2	-49.70	-53.41	-13	-40.41	V
2.546400	60.34	Pk	32.2	-95.2	-49.66	-52.32	-13	-39.32	H
3.358200	55.68	Pk	32.7	-95.2	-47.12	-53.94	-13	-40.94	H
3.348520	55.58	Pk	32.7	-95.2	-47.20	-54.12	-13	-41.12	V

10.1.3. ULCA LTE BAND 5

ULCA LTE BAND 5 (QPSK 10.0MHZ + 10.0MHZ BANDWIDTH, ANT 1)

Project #:	15496277
Date:	2025-04-08
Test Engineer:	32545
Configuration:	EUT only
Mode	ULCA B5 QPSK 10MHz + 10MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 829MHz + 838.9MHz									
1.667280	57.45	Pk	29.0	-95.2	-49.43	-58.18	-13	-45.18	H
1.667280	58.41	Pk	29.0	-95.2	-49.43	-57.22	-13	-44.22	V
2.501080	57.28	Pk	32.0	-95.2	-50.00	-55.92	-13	-42.92	H
2.501080	58.86	Pk	32.0	-95.2	-50.00	-54.34	-13	-41.34	V
3.335760	53.64	Pk	32.7	-95.2	-47.30	-56.16	-13	-43.16	H
3.335760	54.85	Pk	32.7	-95.2	-47.30	-54.95	-13	-41.95	V
Mid Channel, 831.6MHz + 841.5MHz									
1.667280	57.45	Pk	29.0	-95.2	-49.43	-58.18	-13	-45.18	H
1.667280	58.41	Pk	29.0	-95.2	-49.43	-57.22	-13	-44.22	V
2.501080	57.28	Pk	32.0	-95.2	-50.00	-55.92	-13	-42.92	H
2.501080	58.86	Pk	32.0	-95.2	-50.00	-54.34	-13	-41.34	V
3.335760	53.64	Pk	32.7	-95.2	-47.30	-56.16	-13	-43.16	H
3.335760	54.85	Pk	32.7	-95.2	-47.30	-54.95	-13	-41.95	V
High Channel, 834.1MHz + 844MHz									
1.678280	55.97	Pk	29.0	-95.2	-49.50	-59.73	-13	-46.73	H
1.678280	55.53	Pk	29.0	-95.2	-49.50	-60.17	-13	-47.17	V
2.517360	57.74	Pk	32.1	-95.2	-49.84	-55.20	-13	-42.20	H
2.517360	57.10	Pk	32.1	-95.2	-49.84	-55.84	-13	-42.84	V
3.356000	53.58	Pk	32.7	-95.2	-47.10	-56.02	-13	-43.02	H
3.356000	53.74	Pk	32.7	-95.2	-47.10	-55.86	-13	-42.86	V

ULCA LTE BAND 5 (QPSK 10.0MHZ + 10.0MHZ BANDWIDTH, ANT 2)

Project #:	15496277
Date:	2025-04-08
Test Engineer:	32934
Configuration:	EUT only
Mode	ULCA B5 QPSK 10MHz + 10MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 829MHz + 838.9MHz									
1.663320	60.33	Pk	29.0	-95.2	-49.50	-55.37	-13	-42.37	H
1.663320	57.00	Pk	29.0	-95.2	-49.50	-58.70	-13	-45.70	V
2.501080	56.59	Pk	32.0	-95.2	-50.00	-56.61	-13	-43.61	H
2.501080	57.81	Pk	32.0	-95.2	-50.00	-55.39	-13	-42.39	V
3.335760	54.70	Pk	32.7	-95.2	-47.30	-55.10	-13	-42.10	H
3.335760	54.85	Pk	32.7	-95.2	-47.30	-54.95	-13	-41.95	V
Mid Channel, 831.6MHz + 841.5MHz									
1.654520	57.63	Pk	29.0	-95.2	-49.40	-57.97	-13	-44.97	H
1.654520	60.96	Pk	29.0	-95.2	-49.40	-54.64	-13	-41.64	V
2.164480	61.30	Pk	31.5	-95.2	-50.00	-52.40	-13	-39.40	H
2.164480	56.68	Pk	31.5	-95.2	-50.00	-57.02	-13	-44.02	V
2.700840	60.33	Pk	32.3	-95.2	-49.60	-52.17	-13	-39.17	H
2.700840	56.87	Pk	32.3	-95.2	-49.60	-55.63	-13	-42.63	V
High Channel, 834.1MHz + 844MHz									
1.666840	59.68	Pk	29.0	-95.2	-49.42	-55.94	-13	-42.94	H
2.490960	60.07	Pk	31.9	-95.2	-50.00	-53.23	-13	-40.23	H
1.660680	59.27	Pk	29.0	-95.2	-49.40	-56.33	-13	-43.33	V
2.504600	59.91	Pk	32.0	-95.2	-49.96	-53.25	-13	-40.25	V
3.326080	55.35	Pk	32.8	-95.2	-47.39	-54.44	-13	-41.44	H
3.363040	55.43	Pk	32.7	-95.2	-47.01	-54.08	-13	-41.08	V

10.1.4. LTE BAND 26 (FCC PART 90S)

LTE BAND 26 (QPSK 10.0MHZ BANDWIDTH, ANT 1)

Project #:	15496277
Date:	2025-07-10
Test Engineer:	32934
Configuration:	EUT Only
Mode	LTE B26 90S QPSK 10MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Mid Channel, 819MHz									
1.646600	58.96	Pk	28.9	-95.2	-49.40	-56.74	-13	-43.74	V
1.650120	58.49	Pk	28.9	-95.2	-49.40	-57.21	-13	-44.21	H
2.452240	58.68	Pk	31.7	-95.2	-50.20	-55.02	-13	-42.02	H
2.465000	59.24	Pk	31.8	-95.2	-50.20	-54.36	-13	-41.36	V
3.259200	57.11	Pk	32.8	-95.2	-47.80	-53.09	-13	-40.09	V
3.279880	55.96	Pk	32.9	-95.2	-47.62	-53.96	-13	-40.96	H

LTE BAND 26 (QPSK 10.0MHZ BANDWIDTH, ANT 2)

Project #:	15496277
Date:	2025-05-23
Test Engineer:	32934
Configuration:	EUT Only
Mode	LTE B26 90S QPSK 10MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Mid Channel, 819MHz									
1.604360	59.14	Pk	28.4	-95.2	-49.40	-57.06	-13	-44.06	V
1.611840	59.96	Pk	28.6	-95.2	-49.32	-55.96	-13	-42.96	H
2.449600	59.09	Pk	31.7	-95.2	-50.10	-54.51	-13	-41.51	H
2.463240	59.94	Pk	31.8	-95.2	-50.20	-53.66	-13	-40.66	V
3.282520	56.28	Pk	32.9	-95.2	-47.55	-53.57	-13	-40.57	V
3.290440	57.45	Pk	32.9	-95.2	-47.54	-52.39	-13	-39.39	H

10.1.5. 5G NR n26 (FCC PART 90S)

5G NR n26 (BPSK 10.0MHZ BANDWIDTH, ANT 1)

Project #:	15496277
Date:	2025-03-28
Test Engineer:	32703
Configuration:	EUT Only
Mode	5G NR n26 90S BPSK 10MHz
Chamber #:	03-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Mid Channel, 819MHz									
1.628560	56.80	Pk	28.3	-95.2	-49.10	-59.20	-13	-46.20	H
1.628560	57.55	Pk	28.3	-95.2	-49.10	-58.45	-13	-45.45	V
2.442560	57.71	Pk	32.2	-95.2	-49.30	-54.59	-13	-41.59	H
2.442560	57.23	Pk	32.2	-95.2	-49.30	-55.07	-13	-42.07	V
3.256560	53.91	Pk	32.8	-95.2	-47.56	-56.05	-13	-43.05	H
3.256560	54.64	Pk	32.8	-95.2	-47.56	-55.32	-13	-42.32	V

5G NR n26 (BPSK 10.0MHZ BANDWIDTH, ANT 2)

Project #:	15496277
Date:	2025-04-03
Test Engineer:	32934
Configuration:	EUT Only
Mode	5G NR n26 90S BPSK 10MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Mid Channel, 819MHz									
1.629000	59.69	Pk	28.8	-95.2	-49.40	-56.11	-13	-43.11	V
1.631640	59.27	Pk	28.8	-95.2	-49.40	-56.53	-13	-43.53	H
2.443726	66.79	Pk	31.7	-95.2	-50.10	-46.81	-13	-33.81	H
2.444320	59.34	Pk	31.7	-95.2	-50.13	-54.29	-13	-41.29	V
3.269760	56.21	Pk	32.9	-95.2	-47.70	-53.79	-13	-40.79	H
3.305840	57.39	Pk	32.8	-95.2	-47.30	-52.31	-13	-39.31	V

10.1.6. LTE BAND 26 (FCC PART 22)

LTE BAND 26 (QPSK 10.0MHZ BANDWIDTH, ANT 1)

Project #:	15496277
Date:	2025-05-23
Test Engineer:	32934
Configuration:	EUT Only
Mode	LTE B26 22H 10MHz QPSK
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 829MHz									
1.658480	59.12	Pk	29.0	-95.2	-49.40	-56.48	-13	-43.48	V
1.662440	59.08	Pk	29.0	-95.2	-49.44	-56.56	-13	-43.56	H
2.474573	66.30	Pk	31.9	-95.2	-50.16	-47.16	-13	-34.16	V
2.474700	68.15	Pk	31.9	-95.2	-50.17	-45.32	-13	-32.32	H
3.321240	56.29	Pk	32.8	-95.2	-47.30	-53.41	-13	-40.41	V
3.326080	56.58	Pk	32.8	-95.2	-47.39	-53.21	-13	-40.21	H
Mid Channel, 836.5MHz									
1.656280	58.77	Pk	29.0	-95.2	-49.40	-56.83	-13	-43.83	V
1.668160	58.30	Pk	29.0	-95.2	-49.48	-57.38	-13	-44.38	H
2.489339	67.81	Pk	31.9	-95.2	-50.03	-45.52	-13	-32.52	H
2.489555	66.97	Pk	31.9	-95.2	-50.06	-46.39	-13	-33.39	V
3.250840	58.39	Pk	32.8	-95.2	-48.02	-52.03	-13	-39.03	H
3.284720	57.47	Pk	32.9	-95.2	-47.57	-52.40	-13	-39.40	V
High Channel, 844MHz									
1.669480	59.48	Pk	29.0	-95.2	-49.40	-56.12	-13	-43.12	V
1.679600	58.42	Pk	29.0	-95.2	-49.50	-57.28	-13	-44.28	H
2.504552	67.11	Pk	32.0	-95.2	-49.96	-46.05	-13	-33.05	H
2.504613	66.93	Pk	32.0	-95.2	-49.96	-46.23	-13	-33.23	V
3.352040	55.65	Pk	32.7	-95.2	-47.10	-53.95	-13	-40.95	V
3.366560	55.49	Pk	32.7	-95.2	-47.30	-54.31	-13	-41.31	H

LTE BAND 26 (QPSK 10.0MHZ BANDWIDTH, ANT 2)

Project #:	15496277
Date:	2025-04-14
Test Engineer:	20756
Configuration:	EUT Only
Mode	LTE B26 22H 10MHz QPSK
Chamber #:	05-RDE-D

Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 829MHz									
1.629703	67.04	Pk	28.2	-95.2	-49.88	-49.84	-13	-36.84	V
1.629897	66.95	Pk	28.2	-95.2	-49.88	-49.93	-13	-36.93	H
2.478814	59.41	Pk	32.4	-95.2	-48.87	-52.26	-13	-39.26	V
2.485944	59.68	Pk	32.4	-95.2	-48.82	-51.94	-13	-38.94	H
3.318724	56.88	Pk	32.9	-95.2	-46.61	-52.03	-13	-39.03	H
3.319660	57.42	Pk	32.9	-95.2	-46.55	-51.43	-13	-38.43	V
Mid Channel, 836.5MHz									
1.649776	68.07	Pk	28.5	-95.2	-49.62	-48.25	-13	-35.25	V
1.668783	59.93	Pk	28.8	-95.2	-49.49	-55.96	-13	-42.96	H
2.461496	60.60	Pk	32.4	-95.2	-49.10	-51.30	-13	-38.30	V
2.474595	64.65	Pk	32.4	-95.2	-48.91	-47.06	-13	-34.06	H
3.327826	57.89	Pk	32.9	-95.2	-46.45	-50.86	-13	-37.86	V
3.331121	57.52	Pk	32.9	-95.2	-46.45	-51.23	-13	-38.23	H
High Channel, 844MHz									
1.669627	62.83	Pk	28.8	-95.2	-49.52	-53.09	-13	-40.09	H
1.679906	60.70	Pk	28.9	-95.2	-49.55	-55.15	-13	-42.15	V
2.504665	62.83	Pk	32.4	-95.2	-48.93	-48.90	-13	-35.90	H
2.513643	59.88	Pk	32.4	-95.2	-49.04	-51.96	-13	-38.96	V
3.363274	56.97	Pk	32.9	-95.2	-46.98	-52.31	-13	-39.31	V
3.371785	56.35	Pk	32.9	-95.2	-47.08	-53.03	-13	-40.03	H

10.1.7. 5G NR n26 (FCC PART 22)

5G NR n26 (BPSK 20.0MHZ BANDWIDTH, ANT 1)

Project #:	15496277
Date:	2025-03-28
Test Engineer:	32703
Configuration:	EUT Only
Mode	5G NR n26 22H BPSK 20MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 834MHz									
1.648360	56.17	Pk	28.9	-95.2	-49.40	-59.53	-13	-46.53	H
1.648360	58.44	Pk	28.9	-95.2	-49.40	-57.26	-13	-44.26	V
1.995520	58.65	Pk	32.0	-95.2	-49.80	-54.35	-13	-41.35	H
1.995520	61.95	Pk	32.0	-95.2	-49.80	-51.05	-13	-38.05	V
2.472480	57.41	Pk	31.8	-95.2	-50.10	-56.09	-13	-43.09	H
2.472480	57.74	Pk	31.8	-95.2	-50.10	-55.76	-13	-42.76	V
Mid Channel, 836.5MHz									
1.652980	56.56	Pk	28.9	-95.2	-49.40	-59.14	-13	-46.14	H
1.653200	56.59	Pk	28.9	-95.2	-49.42	-59.13	-13	-46.13	V
2.479520	58.78	Pk	31.9	-95.2	-50.10	-54.62	-13	-41.62	H
2.479520	57.31	Pk	31.9	-95.2	-50.10	-56.09	-13	-43.09	V
3.306280	53.48	Pk	32.8	-95.2	-47.33	-56.25	-13	-43.25	H
3.306280	53.88	Pk	32.8	-95.2	-47.33	-55.85	-13	-42.85	V
High Channel, 839.0MHz									
1.658480	57.14	Pk	29.0	-95.2	-49.40	-58.46	-13	-45.46	H
1.658480	57.33	Pk	29.0	-95.2	-49.40	-58.27	-13	-45.27	V
2.487000	58.25	Pk	31.9	-95.2	-50.10	-55.15	-13	-42.15	H
2.487000	57.09	Pk	31.9	-95.2	-50.10	-56.31	-13	-43.31	V
3.316400	56.34	Pk	32.8	-95.2	-47.36	-53.42	-13	-40.42	H
3.316400	54.87	Pk	32.8	-95.2	-47.36	-54.89	-13	-41.89	V

5G NR n26 (BPSK 20.0MHZ BANDWIDTH, ANT 2)

Project #:	15496277
Date:	2025-04-03
Test Engineer:	32934
Configuration:	EUT Only
Mode	5G NR n26 22H BPSK 20MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 834MHz									
1.662880	59.31	Pk	29.0	-95.2	-49.49	-56.38	-13	-43.38	H
1.649240	60.96	Pk	28.9	-95.2	-49.40	-54.74	-13	-41.74	V
2.473800	62.79	Pk	31.8	-95.2	-50.10	-50.71	-13	-37.71	H
2.474680	59.42	Pk	31.9	-95.2	-50.17	-54.05	-13	-41.05	V
3.337520	55.54	Pk	32.7	-95.2	-47.30	-54.26	-13	-41.26	H
3.337520	55.12	Pk	32.7	-95.2	-47.30	-54.68	-13	-41.68	V
Mid Channel, 836.5MHz									
1.654351	67.85	Pk	29.0	-95.2	-49.43	-47.78	-13	-34.78	V
1.657600	59.14	Pk	29.0	-95.2	-49.40	-56.46	-13	-43.46	H
2.481606	64.38	Pk	31.9	-95.2	-50.10	-49.02	-13	-36.02	H
2.483480	59.15	Pk	31.9	-95.2	-50.05	-54.20	-13	-41.20	V
3.289494	58.79	Pk	32.9	-95.2	-47.50	-51.01	-13	-38.01	H
3.331800	55.85	Pk	32.7	-95.2	-47.40	-54.05	-13	-41.05	V
High Channel, 839.0MHz									
1.658480	58.99	Pk	29.0	-95.2	-49.40	-56.61	-13	-43.61	H
1.659492	67.56	Pk	29.0	-95.2	-49.40	-48.04	-13	-35.04	V
2.488994	65.10	Pk	31.9	-95.2	-50.00	-48.20	-13	-35.20	H
2.489640	59.16	Pk	31.9	-95.2	-50.06	-54.20	-13	-41.20	V
3.351160	55.38	Pk	32.7	-95.2	-47.18	-54.30	-13	-41.30	H
3.354240	55.3	Pk	32.7	-95.2	-47.20	-54.40	-13	-41.40	V

11. SETUP PHOTOS

Refer to 15496277-EP1V1 for setup photos.

END OF REPORT