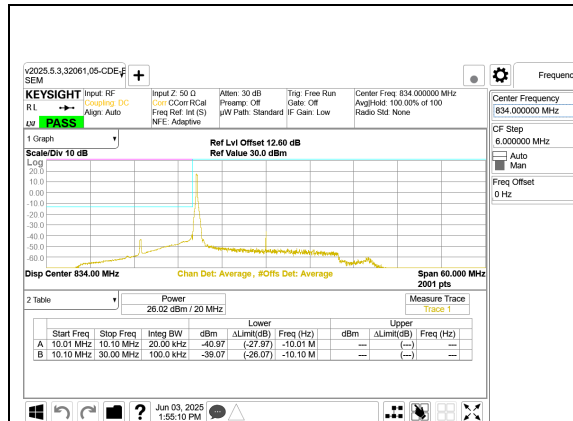
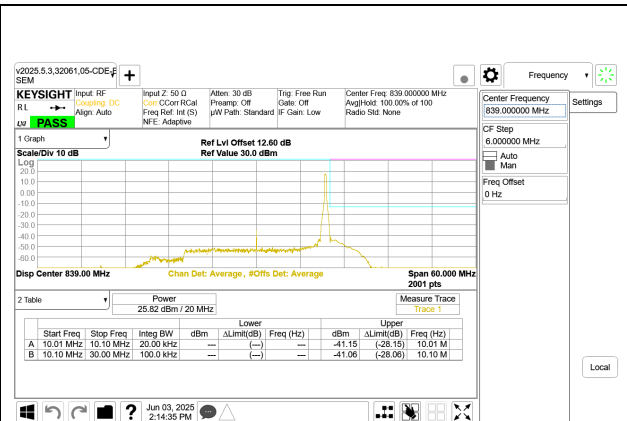
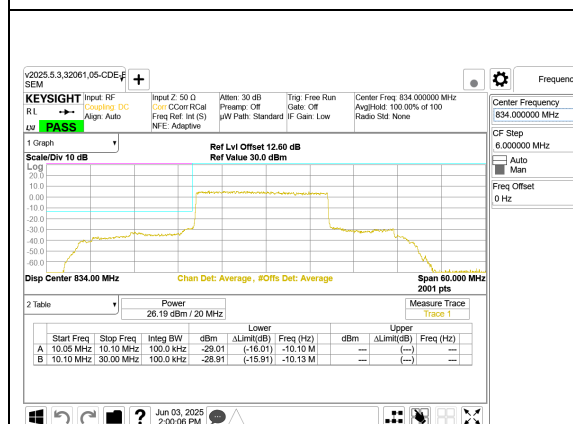




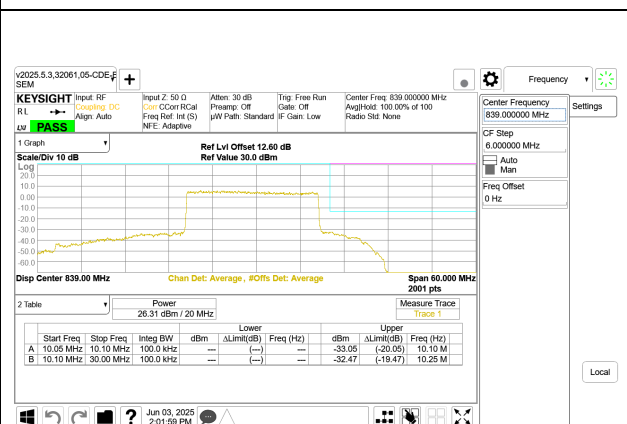
5G NR n26 20MHz BPSK Low Channel RB1-0



5G NR n26 20MHz BPSK High Channel RB1-105



5G NR n26 20MHz BPSK Low Channel RB100-0



5G NR n26 20MHz BPSK High Channel RB100-0

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

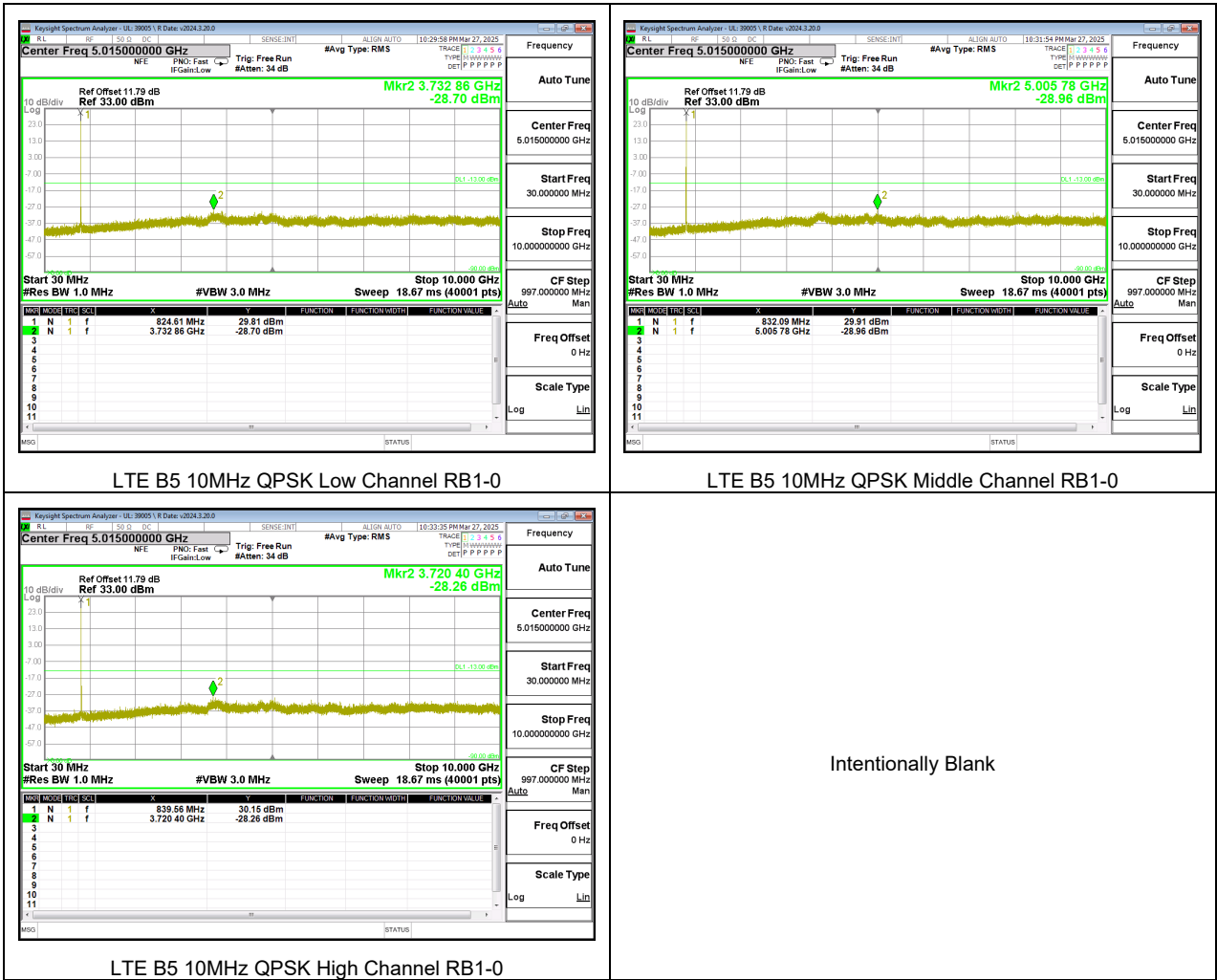
The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case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

For each out of band emissions measurement:

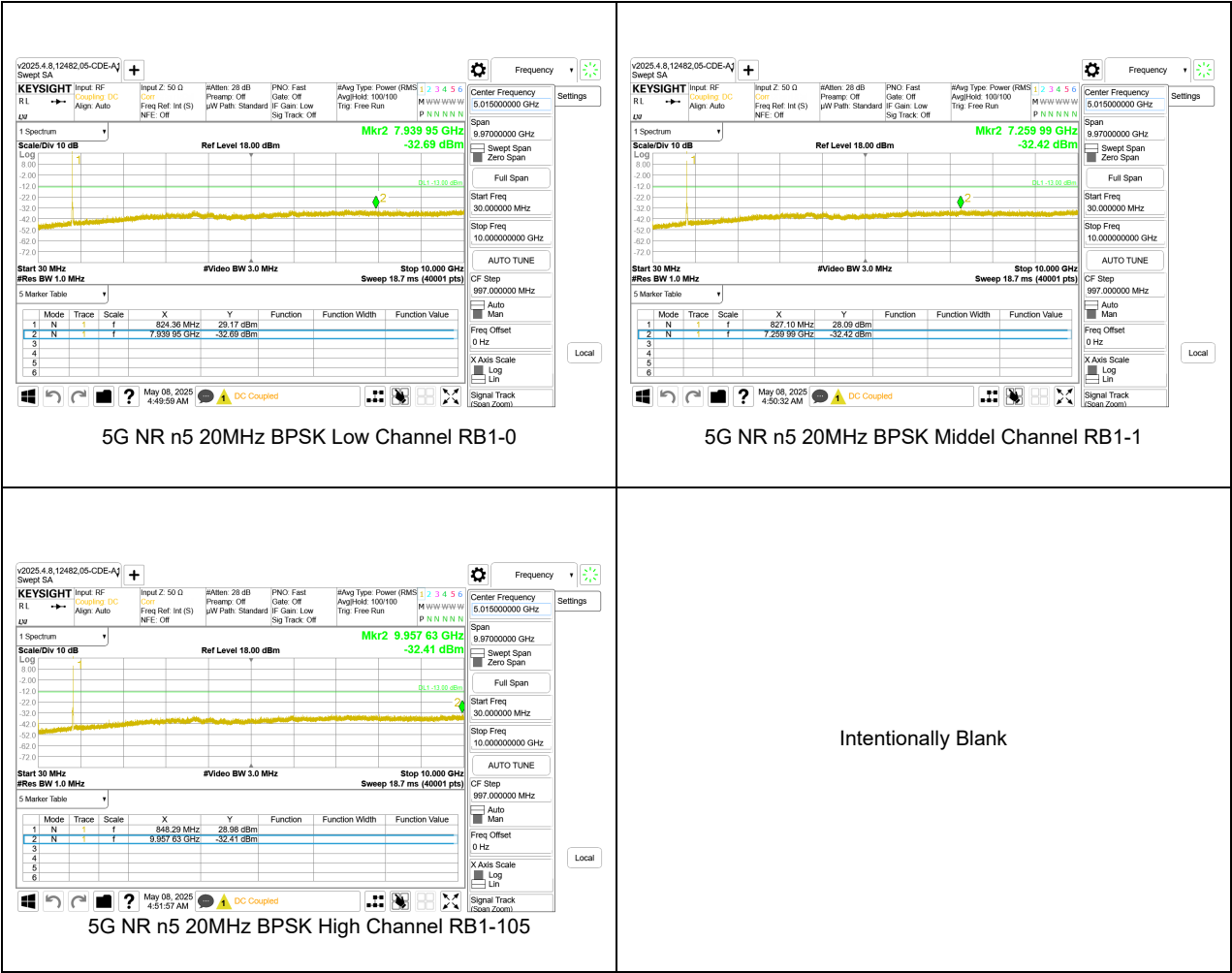
- Set display line at -13 dBm
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
(NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

RESULTS

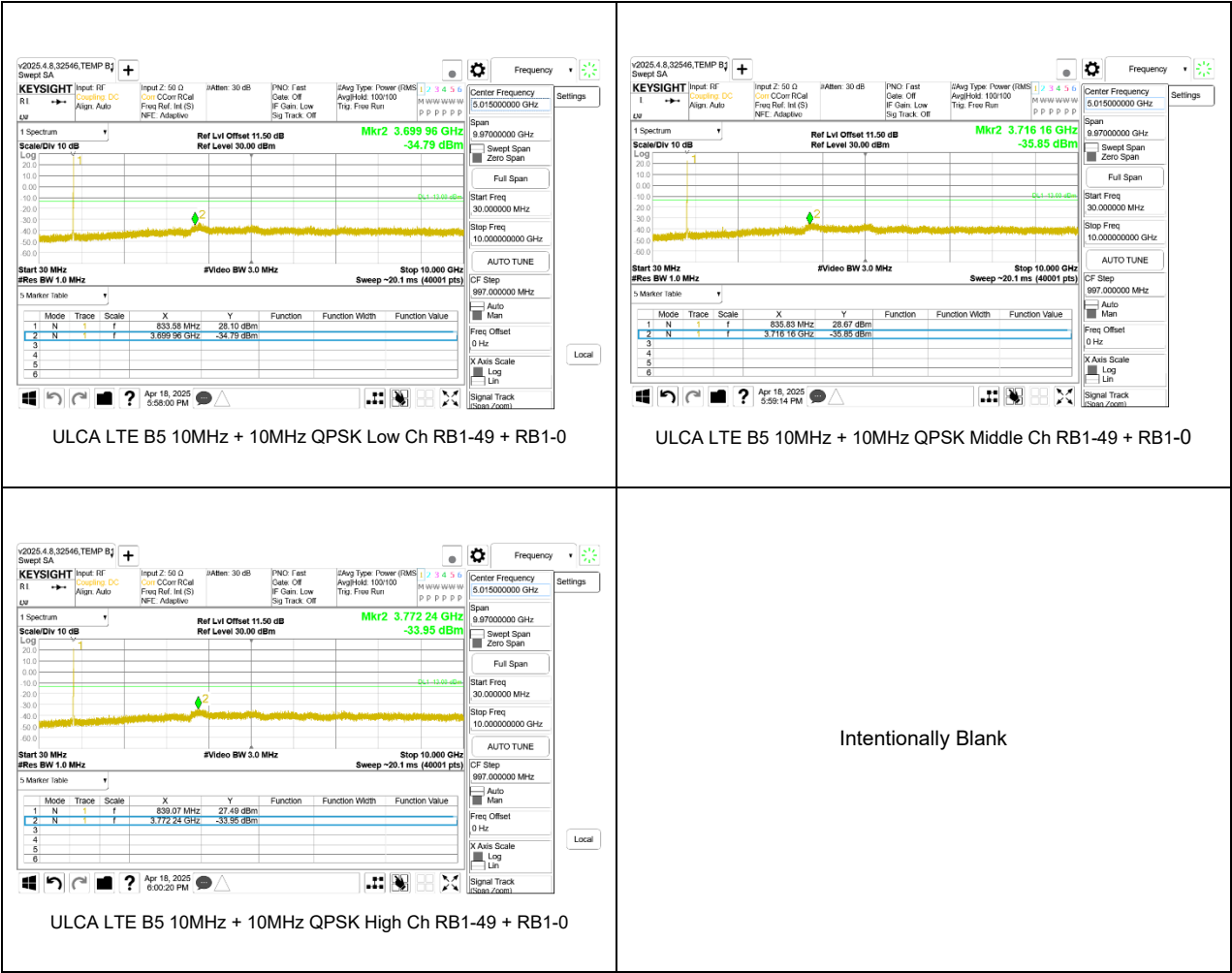
9.3.1. LTE BAND 5



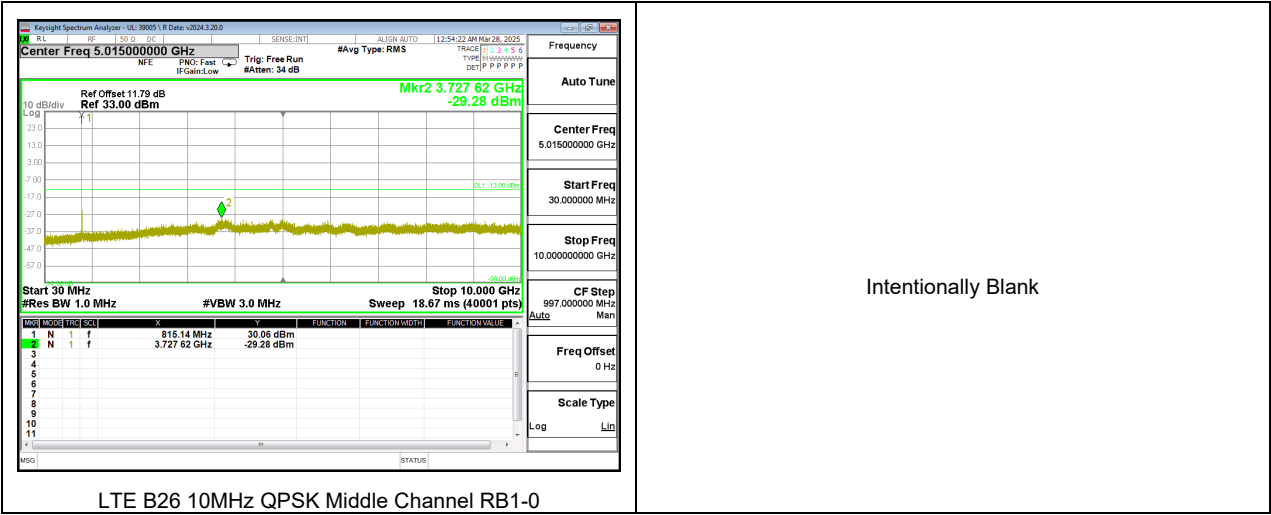
9.3.2. 5G NR n5



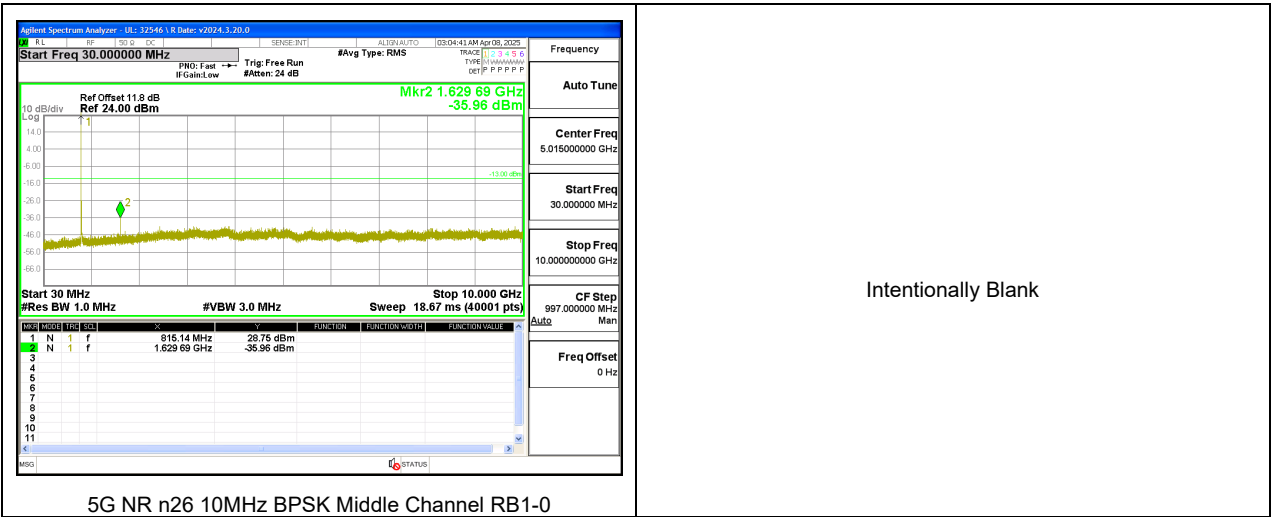
9.3.3. ULCA LTE BAND 5



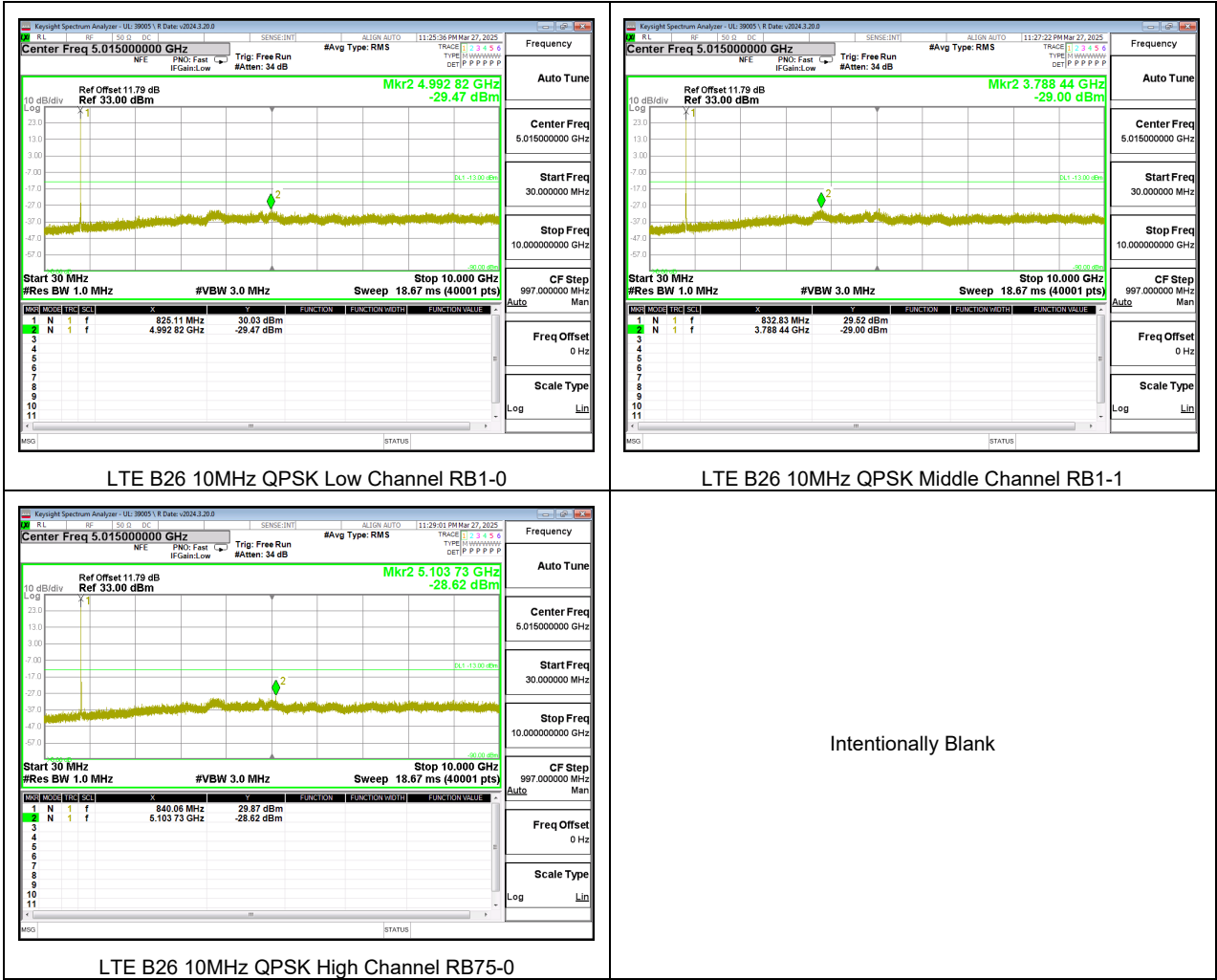
9.3.4. LTE BAND 26 (FCC PART 90S)



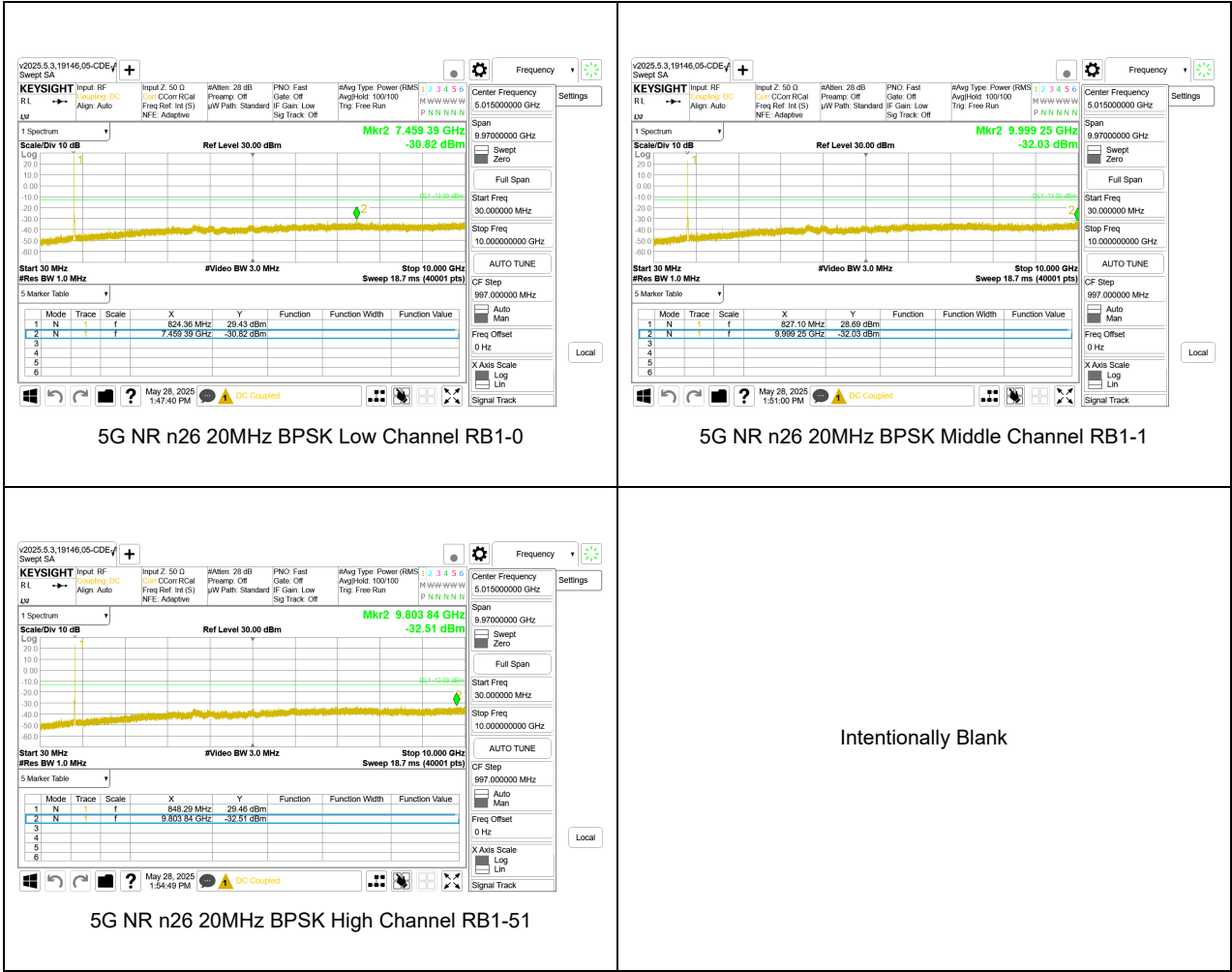
9.3.5. 5G NR n26 (FCC PART 90S)



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:	2025-05-02
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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	824.5267	848.4678			
Extreme (50°C)		824.5267	848.4678	5.3	0.006	Yes
Extreme (40°C)		824.5267	848.4678	5.0	0.006	Yes
Extreme (30°C)		824.5267	848.4678	5.3	0.006	Yes
Extreme (10°C)		824.5267	848.4678	4.8	0.006	Yes
Extreme (0°C)		824.5267	848.4678	-4.6	-0.006	Yes
Extreme (-10°C)		824.5267	848.4678	4.7	0.006	Yes
Extreme (-20°C)		824.5267	848.4678	4.6	0.006	Yes
Extreme (-30°C)		824.5267	848.4678	6.2	0.007	Yes
20°C	15%	824.5267	848.4678	5.3	0.006	Yes
	-15%	824.5267	848.4678	5.6	0.007	Yes
	End Point Voltage	824.5267	848.4678	6.2	0.007	Yes

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

Test Engineer ID:	32546	Test Date:	2025-04-28
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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	824.5085	847.3874			
Extreme (50°C)		824.5085	847.3874	1.7	0.002	Yes
Extreme (40°C)		824.5085	847.3874	1.5	0.002	Yes
Extreme (30°C)		824.5085	847.3874	-1.7	-0.002	Yes
Extreme (10°C)		824.5085	847.3874	-1.0	-0.001	Yes
Extreme (0°C)		824.5085	847.3874	-1.2	-0.001	Yes
Extreme (-10°C)		824.5085	847.3874	1.2	0.001	Yes
Extreme (-20°C)		824.5085	847.3874	1.6	0.002	Yes
Extreme (-30°C)		824.5085	847.3874	2.8	0.003	Yes
20°C	15%	824.5085	847.3874	2.0	0.002	Yes
	-15%	824.5085	847.3874	-1.8	-0.002	Yes
	End Point Voltage	824.5085	847.3874	-1.7	-0.002	Yes

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

Test Engineer ID:	32546	Test Date:	2025-05-05
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Band	5	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	824.5692	848.4171			
Extreme (50°C)		824.5692	848.4171	-6.6	-0.008	Yes
Extreme (40°C)		824.5692	848.4171	-6.5	-0.008	Yes
Extreme (30°C)		824.5692	848.4171	-7.8	-0.009	Yes
Extreme (10°C)		824.5692	848.4171	7.6	0.009	Yes
Extreme (0°C)		824.5692	848.4171	5.6	0.007	Yes
Extreme (-10°C)		824.5692	848.4171	8.8	0.011	Yes
Extreme (-20°C)		824.5692	848.4171	-6.8	-0.008	Yes
Extreme (-30°C)		824.5692	848.4171	6.9	0.008	Yes
20°C	15%	824.5692	848.4171	-5.6	-0.007	Yes
	-15%	824.5692	848.4171	5.9	0.007	Yes
	End Point Voltage	824.5692	848.4171	7.1	0.008	Yes

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

Test Engineer ID:	32546	Test Date:	2025-05-02
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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	814.5308	823.4711			
Extreme (50°C)		814.5308	823.4711	4.6	0.006	Yes
Extreme (40°C)		814.5308	823.4711	7.0	0.009	Yes
Extreme (30°C)		814.5307	823.4711	-4.5	-0.005	Yes
Extreme (10°C)		814.5308	823.4711	4.9	0.006	Yes
Extreme (0°C)		814.5308	823.4711	5.2	0.006	Yes
Extreme (-10°C)		814.5308	823.4711	4.6	0.006	Yes
Extreme (-20°C)		814.5308	823.4711	4.4	0.005	Yes
Extreme (-30°C)		814.5307	823.4711	-5.0	-0.006	Yes
20°C	15%	814.5308	823.4711	5.3	0.006	Yes
	-15%	814.5308	823.4711	6.1	0.007	Yes
	End Point Voltage	814.5307	823.4711	-6.1	-0.007	Yes

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

Test Engineer ID:	32546	Test Date:	2025-04-28
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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	814.3303	823.2865			
Extreme (50°C)		814.3303	823.2865	1.9	0.002	Yes
Extreme (40°C)		814.3303	823.2865	-1.1	-0.001	Yes
Extreme (30°C)		814.3303	823.2865	-1.3	-0.002	Yes
Extreme (10°C)		814.3303	823.2865	-1.1	-0.001	Yes
Extreme (0°C)		814.3303	823.2865	1.1	0.001	Yes
Extreme (-10°C)		814.3303	823.2865	1.0	0.001	Yes
Extreme (-20°C)		814.3303	823.2865	2.0	0.002	Yes
Extreme (-30°C)		814.3303	823.2865	2.4	0.003	Yes
20°C	15%	814.3303	823.2865	1.0	0.001	Yes
	-15%	814.3303	823.2865	-1.7	-0.002	Yes
	End Point Voltage	814.3303	823.2865	-1.4	-0.002	Yes

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

Test Engineer ID:	32546	Test Date:	2025-05-02
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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	824.5315	848.4751			
Extreme (50°C)		824.5315	848.4752	3.6	0.004	Yes
Extreme (40°C)		824.5315	848.4751	2.9	0.003	Yes
Extreme (30°C)		824.5315	848.4751	-3.5	-0.004	Yes
Extreme (10°C)		824.5315	848.4751	-3.4	-0.004	Yes
Extreme (0°C)		824.5315	848.4751	-3.2	-0.004	Yes
Extreme (-10°C)		824.5315	848.4752	3.6	0.004	Yes
Extreme (-20°C)		824.5315	848.4751	-3.2	-0.004	Yes
Extreme (-30°C)		824.5315	848.4751	-3.8	-0.004	Yes
20°C	15%	824.5315	848.4752	4.7	0.006	Yes
	-15%	824.5315	848.4752	5.2	0.006	Yes
	End Point Voltage	824.5315	848.4752	4.7	0.006	Yes

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

Test Engineer ID:	32546	Test Date:	2025-04-28
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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	824.3396	848.2884			
Extreme (50°C)		824.3396	848.2884	1.9	0.002	Yes
Extreme (40°C)		824.3396	848.2884	-1.1	-0.001	Yes
Extreme (30°C)		824.3396	848.2884	-1.3	-0.002	Yes
Extreme (10°C)		824.3396	848.2884	-1.1	-0.001	Yes
Extreme (0°C)		824.3396	848.2884	1.1	0.001	Yes
Extreme (-10°C)		824.3396	848.2884	1.0	0.001	Yes
Extreme (-20°C)		824.3396	848.2884	2.0	0.002	Yes
Extreme (-30°C)		824.3396	848.2884	2.4	0.003	Yes
20°C	15%	824.3396	848.2884	1.0	0.001	Yes
	-15%	824.3396	848.2884	-1.7	-0.002	Yes
	End Point Voltage	824.3396	848.2884	-1.4	-0.002	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.

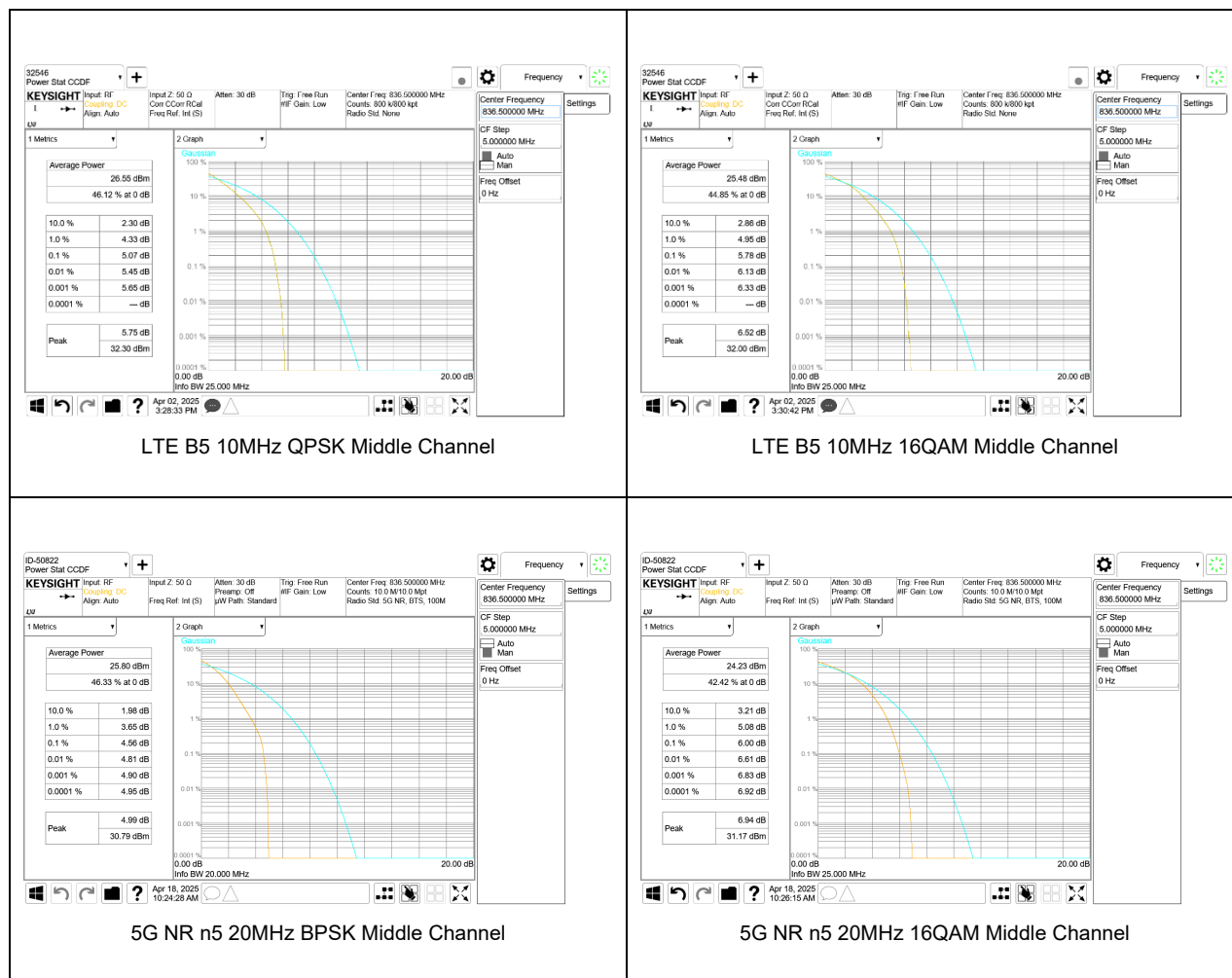
ISED: RSS132§5.4

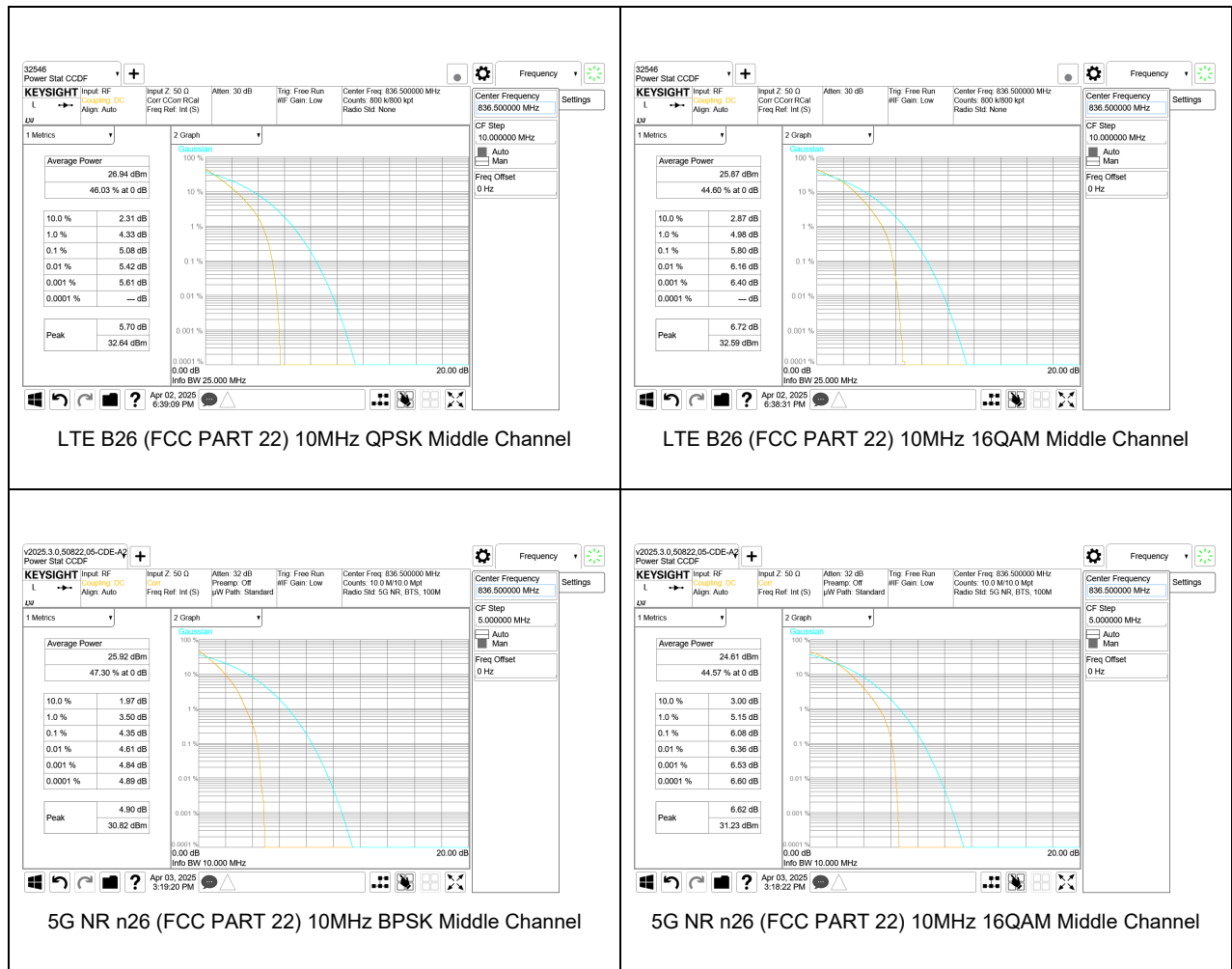
In addition, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1% of the time using a signal corresponding to the highest PAPR during periods of continuous transmission.

RESULT

Antenna 2 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:	50822	Test Date:	2025-04-10
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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	32.21	26.34	5.87
					16QAM	31.72	25.31	6.41
	3MHz		15	0	QPSK	32.10	26.35	5.75
					16QAM	32.27	25.31	6.96
	5MHz		25	0	QPSK	32.28	26.46	5.82
					16QAM	31.94	25.42	6.52
	10MHz		50	0	QPSK	32.3	26.55	5.75
					16QAM	32.00	25.48	6.52

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:	50822	Test Date:	2025-04-10
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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	30.98	25.87	5.11
					16QAM	30.85	25.71	5.14
	10MHz		50	0	BPSK	30.85	26.00	4.85
					16QAM	30.61	26.04	4.57
	15MHz		75	0	BPSK	30.39	25.86	4.53
					16QAM	30.86	24.09	6.77
	20MHz		100	0	BPSK	30.79	25.80	4.99
					16QAM	31.17	24.23	6.94

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:	32061	Test Date:	2025-04-17
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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	5MHz / 10MHz	831.6	838.8	QPSK	31.05	24.50	6.55
				16QAM	31.00	23.48	7.52
	10MHz / 5MHz	834.3	841.5	QPSK	30.93	24.54	6.39
				16QAM	31.03	23.48	7.55
	10MHz / 10MHz	831.5	841.4	QPSK	31.27	24.60	6.67
				16QAM	31.15	23.56	7.59

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:	32549	Test Date:	2025-04-02
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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	32.12	26.38	5.74
					16QAM	31.77	25.36	6.41
	3MHz		15	0	QPSK	32.38	26.40	5.98
					16QAM	32.15	25.30	6.85
	5MHz		25	0	QPSK	32.35	26.49	5.86
					16QAM	32.12	25.41	6.71
	10MHz		50	0	QPSK	32.44	26.55	5.89
					16QAM	32.08	25.47	6.61
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:	50822	Test Date:	2025-04-03
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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	30.45	25.35	5.10
					16QAM	30.79	24.05	6.74
	10MHz		50	0	BPSK	30.61	25.55	5.06
					16QAM	30.83	24.19	6.64
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:	32546	Test Date:	2025-04-02
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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	32.42	26.73	5.69
					16QAM	32.09	25.78	6.31
	3MHz		15	0	QPSK	32.33	26.77	5.56
					16QAM	32.35	25.71	6.64
	5MHz		25	0	QPSK	32.49	26.89	5.60
					16QAM	32.36	25.82	6.54
	10MHz		50	0	QPSK	32.64	26.94	5.70
					16QAM	32.59	25.87	6.72
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:	50822	Test Date:	2025-04-03
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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	31.04	25.96	5.08
					16QAM	30.94	24.20	6.74
	10MHz		50	0	BPSK	30.82	25.92	4.90
					16QAM	31.23	24.61	6.62
	15MHz		75	0	BPSK	30.53	25.75	4.78
					16QAM	30.67	24.26	6.41
	20MHz		100	0	BPSK	30.71	25.84	4.87
					16QAM	30.71	24.35	6.36
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.

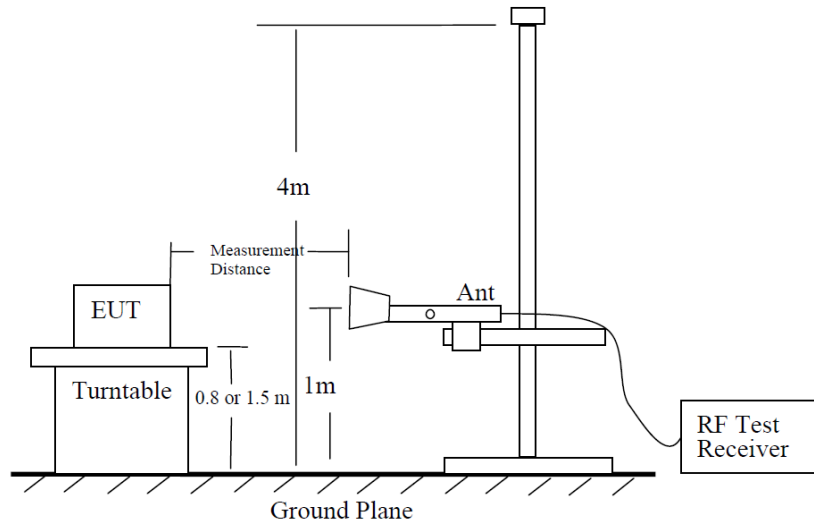


Figure 6 —Test site-up for radiated ERP and/or EIRP measurements

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.

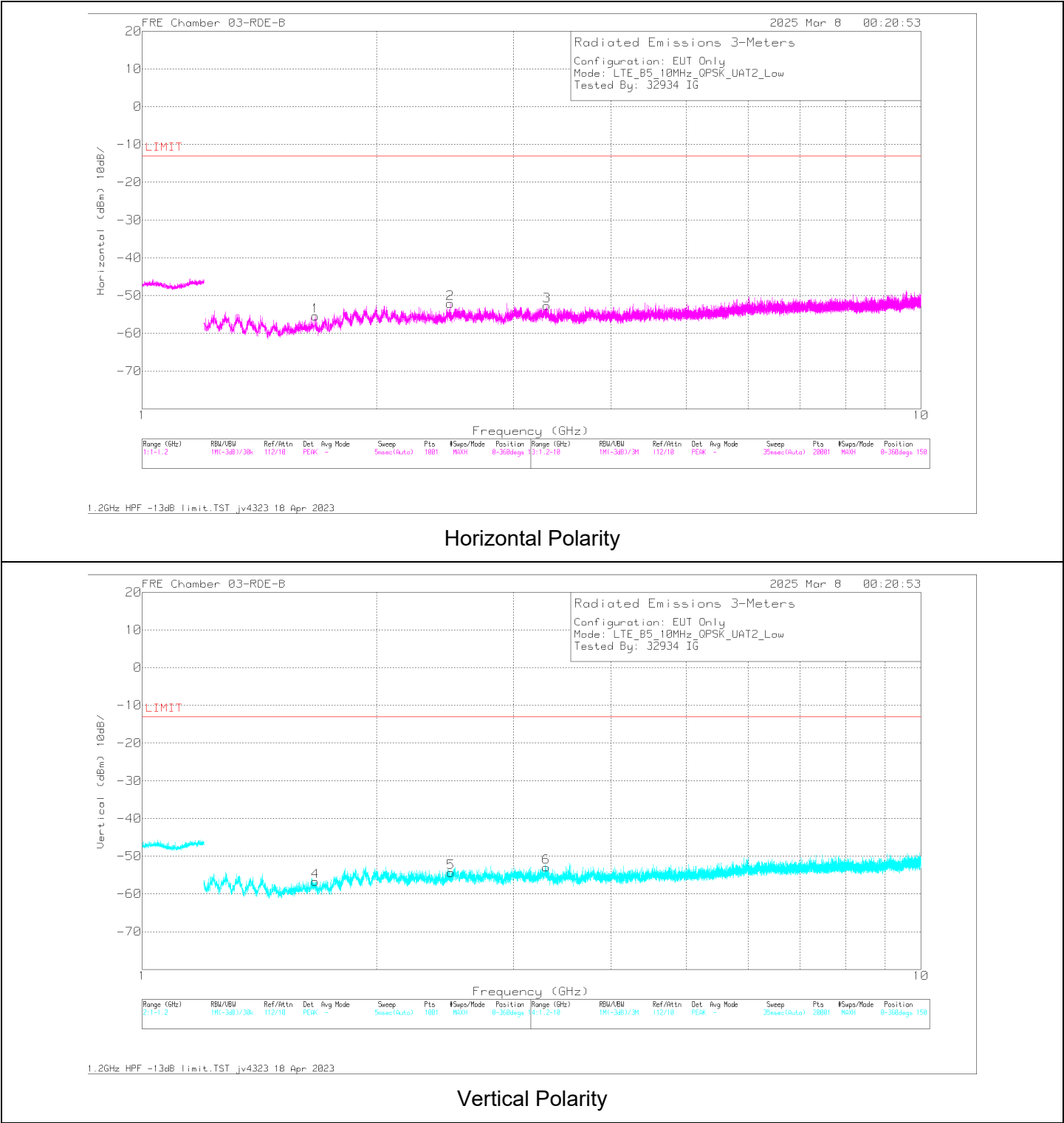
So, from d)

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

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
1	1.668160	60.23	Pk	29.0	-95.2	-49.48	-55.45	-13	-42.45	H
4	1.669040	58.90	Pk	29.0	-95.2	-49.40	-56.70	-13	-43.70	V
2	2.486120	61.27	Pk	31.9	-95.2	-50.10	-52.13	-13	-39.13	H
5	2.491840	58.87	Pk	32.0	-95.2	-50.00	-54.33	-13	-41.33	V
6	3.300560	56.85	Pk	32.8	-95.2	-47.36	-52.91	-13	-39.91	V
3	3.308920	57.11	Pk	32.8	-95.2	-47.40	-52.69	-13	-39.69	H

10.1. FIELD STRENGTH OF SPURIOUS RADIATION

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 3)

Project #:	15496282
Date:	2025-03-13
Test Engineer:	32703
Configuration:	EUT Only
Mode	LTE B5 QPSK 10MHz
Chamber #:	03-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 829MHz									
1.649115	69.53	Pk	28.4	-95.2	-49.10	-46.37	-13	-33.37	V
1.649184	66.05	Pk	28.4	-95.2	-49.10	-49.85	-13	-36.85	H
2.473456	63.74	Pk	32.2	-95.2	-49.20	-48.46	-13	-35.46	H
2.473605	66.65	Pk	32.2	-95.2	-49.20	-45.55	-13	-32.55	V
3.295713	56.47	Pk	32.8	-95.2	-47.13	-53.06	-13	-40.06	V
3.297086	57.44	Pk	32.8	-95.2	-47.19	-52.15	-13	-39.15	H
Mid Channel, 836.5MHz									
1.664200	57.78	Pk	28.6	-95.2	-49.02	-57.84	-13	-44.84	H
1.664200	63.97	Pk	28.6	-95.2	-49.02	-51.65	-13	-38.65	V
2.494480	56.04	Pk	32.3	-95.2	-49.15	-56.01	-13	-43.01	H
2.494480	57.09	Pk	32.3	-95.2	-49.15	-54.96	-13	-41.96	V
3.326520	52.76	Pk	32.8	-95.2	-46.85	-56.49	-13	-43.49	H
3.326520	55.02	Pk	32.8	-95.2	-46.85	-54.23	-13	-41.23	V
High Channel, 844MHz									
1.679281	65.40	Pk	28.7	-95.2	-49.03	-50.13	-13	-37.13	H
1.679127	69.25	Pk	28.7	-95.2	-49.01	-46.26	-13	-33.26	V
2.518920	64.07	Pk	32.2	-95.2	-49.00	-47.93	-13	-34.93	H
2.519012	67.72	Pk	32.2	-95.2	-49.00	-44.28	-13	-31.28	V
3.359601	56.93	Pk	32.8	-95.2	-46.60	-52.07	-13	-39.07	V
3.356073	56.90	Pk	32.8	-95.2	-46.60	-52.10	-13	-39.10	H

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

Project #:	15496282
Date:	2025-03-08
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	Margin (dB)	Polarity
Low Channel, 829MHz									
1.668160	60.23	Pk	29.0	-95.2	-49.48	-55.45	-13	-42.45	H
1.669040	58.90	Pk	29.0	-95.2	-49.40	-56.70	-13	-43.70	V
2.486120	61.27	Pk	31.9	-95.2	-50.10	-52.13	-13	-39.13	H
2.491840	58.87	Pk	32.0	-95.2	-50.00	-54.33	-13	-41.33	V
3.300560	56.85	Pk	32.8	-95.2	-47.36	-52.91	-13	-39.91	V
3.308920	57.11	Pk	32.8	-95.2	-47.40	-52.69	-13	-39.69	H
Mid Channel, 836.5MHz									
1.671680	58.50	Pk	29.0	-95.2	-49.40	-57.10	-13	-44.10	V
1.675200	58.25	Pk	29.0	-95.2	-49.42	-57.37	-13	-44.37	H
2.503280	59.61	Pk	32.0	-95.2	-49.97	-53.56	-13	-40.56	V
2.508120	59.33	Pk	32.0	-95.2	-49.90	-53.77	-13	-40.77	H
3.331800	56.24	Pk	32.7	-95.2	-47.40	-53.66	-13	-40.66	V
3.340600	54.99	Pk	32.7	-95.2	-47.14	-54.65	-13	-41.65	H
High Channel, 844MHz									
1.677400	60.05	Pk	29.0	-95.2	-49.44	-55.59	-13	-42.59	H
1.679160	60.15	Pk	29.0	-95.2	-49.50	-55.55	-13	-42.55	V
2.531000	60.31	Pk	32.2	-95.2	-49.70	-52.39	-13	-39.39	V
2.536280	59.16	Pk	32.2	-95.2	-49.60	-53.44	-13	-40.44	H
3.373160	54.93	Pk	32.7	-95.2	-47.20	-54.77	-13	-41.77	H
3.380200	54.84	Pk	32.7	-95.2	-47.22	-54.88	-13	-41.88	V

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

Project #:	15496282
Date:	2025-03-06
Test Engineer:	32545
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	Margin (dB)	Polarity
Low Channel, 829MHz									
1.672459	60.55	Pk	29.0	-95.2	-49.40	-55.05	-13	-42.05	H
1.668891	60.67	Pk	29.0	-95.2	-49.41	-54.94	-13	-41.94	V
2.473537	63.33	Pk	31.8	-95.2	-50.10	-50.17	-13	-37.17	V
2.473831	71.65	Pk	31.8	-95.2	-50.10	-41.85	-13	-28.85	H
6.410279	56.43	Pk	35.6	-95.2	-46.77	-49.94	-13	-36.94	V
6.410511	56.93	Pk	35.6	-95.2	-46.75	-49.42	-13	-36.42	H
Mid Channel, 836.5MHz									
1.889018	61.12	Pk	31.4	-95.2	-49.40	-52.08	-13	-39.08	H
1.891514	61.04	Pk	31.4	-95.2	-49.40	-52.16	-13	-39.16	V
2.508307	62.42	Pk	32.0	-95.2	-49.90	-50.68	-13	-37.68	H
2.510749	62.06	Pk	32.0	-95.2	-49.90	-51.04	-13	-38.04	V
3.346821	57.66	Pk	32.7	-95.2	-47.18	-52.02	-13	-39.02	H
3.345903	57.62	Pk	32.7	-95.2	-47.11	-51.99	-13	-38.99	V
High Channel, 844MHz									
1.674021	60.34	Pk	29.0	-95.2	-49.40	-55.26	-13	-42.26	H
1.674396	60.14	Pk	29.0	-95.2	-49.40	-55.46	-13	-42.46	V
2.518646	66.34	Pk	32.1	-95.2	-49.84	-46.60	-13	-33.60	V
2.518870	69.9	Pk	32.1	-95.2	-49.81	-43.01	-13	-30.01	H
3.347522	57.64	Pk	32.7	-95.2	-47.20	-52.06	-13	-39.06	H
3.348254	57.15	Pk	32.7	-95.2	-47.20	-52.55	-13	-39.55	V

10.1.2. 5G NR n5

5G NR n5 (BPSK 20.0MHZ BANDWIDTH, ANT 3)

Project #:	15496282
Date:	2025-03-18
Test Engineer:	32545
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	Margin (dB)	Polarity
Low Channel, 834MHz									
1.289434	61.92	Pk	29.2	-95.2	-49.2	-53.28	-13	-40.28	H
1.286509	61.30	Pk	29.2	-95.2	-49.25	-53.95	-13	-40.95	V
2.473518	72.22	Pk	31.8	-95.2	-50.10	-41.28	-13	-28.28	V
2.473570	73.54	Pk	31.8	-95.2	-50.10	-39.96	-13	-26.96	H
6.533854	56.36	Pk	35.6	-95.2	-46.89	-50.13	-13	-37.13	H
6.535334	56.83	Pk	35.6	-95.2	-46.90	-49.67	-13	-36.67	V
Mid Channel, 836.5MHz									
1.514473	60.06	Pk	28.2	-95.2	-49.30	-56.24	-13	-43.24	H
1.518611	60.44	Pk	28.2	-95.2	-49.34	-55.90	-13	-42.90	V
2.481063	70.15	Pk	31.9	-95.2	-50.10	-43.25	-13	-30.25	H
2.481224	70.25	Pk	31.9	-95.2	-50.10	-43.15	-13	-30.15	V
3.344127	57.04	Pk	32.7	-95.2	-47.20	-52.66	-13	-39.66	V
3.344970	58.02	Pk	32.7	-95.2	-47.20	-51.68	-13	-38.68	H
High Channel, 839MHz									
1.475637	60.75	Pk	28.1	-95.2	-49.10	-55.45	-13	-42.45	H
1.473725	60.87	Pk	28.1	-95.2	-49.10	-55.33	-13	-42.33	V
2.488833	72.82	Pk	31.9	-95.2	-50.00	-40.48	-13	-27.48	H
2.488567	72.66	Pk	31.9	-95.2	-50.00	-40.64	-13	-27.64	V
4.526555	58.86	Pk	33.8	-95.2	-48.70	-51.24	-13	-38.24	V
4.527115	58.41	Pk	33.8	-95.2	-48.69	-51.68	-13	-38.68	H

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

Project #:	15496282
Date:	2025-03-12
Test Engineer:	32703
Configuration:	EUT Only
Mode	5G NR n5 BPSK 20MHz
Chamber #:	03-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 834MHz									
1.648800	57.62	Pk	28.4	-95.2	-49.08	-58.26	-13	-45.26	H
1.648800	59.47	Pk	28.4	-95.2	-49.08	-56.41	-13	-43.41	V
2.472040	56.12	Pk	32.2	-95.2	-49.30	-56.18	-13	-43.18	H
2.472040	56.56	Pk	32.2	-95.2	-49.30	-55.74	-13	-42.74	V
3.296600	55.12	Pk	32.8	-95.2	-47.16	-54.44	-13	-41.44	H
3.296600	53.98	Pk	32.8	-95.2	-47.16	-55.58	-13	-42.58	V
Mid Channel, 836.5MHz									
1.654319	65.25	Pk	28.4	-95.2	-49.07	-50.62	-13	-37.62	H
1.654392	68.06	Pk	28.4	-95.2	-49.06	-47.80	-13	-34.80	V
2.479520	56.69	Pk	32.2	-95.2	-49.15	-55.46	-13	-42.46	H
2.479520	58.03	Pk	32.2	-95.2	-49.15	-54.12	-13	-41.12	V
3.306280	54.84	Pk	32.8	-95.2	-47.07	-54.63	-13	-41.63	H
3.306280	54.21	Pk	32.8	-95.2	-47.07	-55.26	-13	-42.26	V
High Channel, 839MHz									
1.659499	65.93	Pk	28.5	-95.2	-49.10	-49.87	-13	-36.87	H
1.659508	68.36	Pk	28.5	-95.2	-49.10	-47.44	-13	-34.44	V
2.487880	57.01	Pk	32.3	-95.2	-49.10	-54.99	-13	-41.99	H
2.487880	56.55	Pk	32.3	-95.2	-49.10	-55.45	-13	-42.45	V
3.316400	54.03	Pk	32.8	-95.2	-46.86	-55.23	-13	-42.23	H
3.316400	53.91	Pk	32.8	-95.2	-46.86	-55.35	-13	-42.35	V

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

Project #:	15496282
Date:	2025-03-11
Test Engineer:	32545
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	Margin (dB)	Polarity
Low Channel, 834MHz									
1.664640	58.82	Pk	29.0	-95.2	-49.50	-56.88	-13	-43.88	V
1.666400	58.77	Pk	29.0	-95.2	-49.46	-56.89	-13	-43.89	H
2.503720	58.74	Pk	32.0	-95.2	-49.93	-54.39	-13	-41.39	H
2.508560	59.15	Pk	32.0	-95.2	-49.90	-53.95	-13	-40.95	V
3.108590	58.34	Pk	32.8	-95.2	-47.60	-51.66	-13	-38.66	V
3.111114	57.81	Pk	32.8	-95.2	-47.69	-52.28	-13	-39.28	H
Mid Channel, 836.5MHz									
1.992125	61.93	Pk	31.9	-95.2	-49.90	-51.27	-13	-38.27	V
1.995266	61.44	Pk	32.0	-95.2	-49.80	-51.56	-13	-38.56	H
2.509440	59.14	Pk	32.0	-95.2	-49.90	-53.96	-13	-40.96	H
2.509440	57.31	Pk	32.0	-95.2	-49.90	-55.79	-13	-42.79	V
3.341920	53.60	Pk	32.7	-95.2	-47.19	-56.09	-13	-43.09	H
3.341920	53.57	Pk	32.7	-95.2	-47.19	-56.12	-13	-43.12	V
High Channel, 839MHz									
1.677400	55.03	Pk	29.0	-95.2	-49.44	-60.61	-13	-47.61	H
1.677400	57.18	Pk	29.0	-95.2	-49.44	-58.46	-13	-45.46	V
2.518680	58.56	Pk	32.1	-95.2	-49.83	-54.37	-13	-41.37	H
2.518680	58.00	Pk	32.1	-95.2	-49.83	-54.93	-13	-41.93	V
3.356000	54.49	Pk	32.7	-95.2	-47.10	-55.11	-13	-42.11	H
3.356000	55.34	Pk	32.7	-95.2	-47.10	-54.26	-13	-41.26	V

10.1.3. ULCA LTE BAND 5

ULCA LTE BAND 5 (QPSK 10.0MHZ + 10.0MHZ BANDWIDTH, ANT 3)

Project #:	15496282
Date:	2025-06-10
Test Engineer:	32934
Configuration:	EUT only
Mode	LTE Band 5 QPSK 10MHz + 10MHz
Chamber #:	03-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 829MHz + 838.9MHz									
1.660680	58.67	Pk	28.5	-95.2	-49.30	-57.33	-13	-44.33	H
1.649000	71.88	Pk	28.4	-95.2	-49.40	-44.32	-13	-31.32	V
2.473753	66.59	Pk	32.2	-95.2	-49.48	-45.89	-13	-32.89	V
2.473954	67.55	Pk	32.2	-95.2	-49.50	-44.95	-13	-31.95	H
3.316840	55.00	Pk	32.8	-95.2	-46.97	-54.37	-13	-41.37	H
3.327840	55.93	Pk	32.8	-95.2	-46.70	-53.17	-13	-40.17	V
Mid Channel, 831.6MHz + 841.5MHz									
1.663760	59.31	Pk	28.6	-95.2	-49.30	-56.59	-13	-43.59	H
1.654496	72.10	Pk	28.4	-95.2	-49.05	-43.75	-13	-30.75	V
2.481693	67.97	Pk	32.2	-95.2	-49.33	-44.36	-13	-31.36	H
2.481696	63.77	Pk	32.2	-95.2	-49.33	-48.56	-13	-35.56	V
3.334440	55.73	Pk	32.8	-95.2	-46.46	-53.13	-13	-40.13	V
3.335760	55.15	Pk	32.8	-95.2	-46.70	-53.95	-13	-40.95	H
High Channel, 834.1MHz + 844MHz									
1.659264	68.06	Pk	28.5	-95.2	-49.67	-48.31	-13	-35.31	H
1.659418	71.03	Pk	28.5	-95.2	-49.59	-45.26	-13	-32.26	V
2.489233	67.73	Pk	32.3	-95.2	-49.07	-44.24	-13	-31.24	H
2.489258	65.47	Pk	32.3	-95.2	-49.08	-46.51	-13	-33.51	V
3.320360	55.61	Pk	32.8	-95.2	-46.56	-53.35	-13	-40.35	V
3.334440	55.35	Pk	32.8	-95.2	-46.46	-53.51	-13	-40.51	H

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

Project #:	15496282
Date:	2025-03-19
Test Engineer:	32934
Configuration:	EUT only
Mode	LTE Band 5 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	Margin (dB)	Polarity
Low Channel, 829MHz + 838.9MHz									
1.663760	58.77	Pk	29.0	-95.2	-49.50	-56.93	-13	-43.93	H
1.671240	58.72	Pk	29.0	-95.2	-49.40	-56.88	-13	-43.88	V
2.493160	58.82	Pk	32.0	-95.2	-50.08	-54.46	-13	-41.46	V
2.500200	59.08	Pk	32.0	-95.2	-50.00	-54.12	-13	-41.12	H
3.306280	56.34	Pk	32.8	-95.2	-47.33	-53.39	-13	-40.39	V
3.321240	56.55	Pk	32.8	-95.2	-47.30	-53.15	-13	-40.15	H
Mid Channel, 831.6MHz + 841.5MHz									
1.654080	59.54	Pk	29.0	-95.2	-49.48	-56.14	-13	-43.14	V
1.661560	59.59	Pk	29.0	-95.2	-49.40	-56.01	-13	-43.01	H
2.480400	58.99	Pk	31.9	-95.2	-50.10	-54.41	-13	-41.41	V
2.488320	59.80	Pk	31.9	-95.2	-50.00	-53.50	-13	-40.50	H
3.323000	55.35	Pk	32.8	-95.2	-47.30	-54.35	-13	-41.35	H
3.325640	55.41	Pk	32.8	-95.2	-47.40	-54.39	-13	-41.39	V
High Channel, 834.1MHz + 844MHz									
1.659800	59.42	Pk	29.0	-95.2	-49.40	-56.18	-13	-43.18	V
1.665960	57.92	Pk	29.0	-95.2	-49.50	-57.78	-13	-44.78	H
2.499320	58.78	Pk	32.0	-95.2	-50.07	-54.49	-13	-41.49	H
2.509880	60.61	Pk	32.0	-95.2	-49.90	-52.49	-13	-39.49	V
3.323880	55.40	Pk	32.8	-95.2	-47.30	-54.30	-13	-41.30	V
3.330920	56.16	Pk	32.7	-95.2	-47.39	-53.73	-13	-40.73	H

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

Project #:	15496282
Date:	2025-06-24
Test Engineer:	32934
Configuration:	EUT only
Mode	LTE Band 5 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	Margin (dB)	Polarity
Low Channel, 829MHz + 838.9MHz									
1.641320	59.14	Pk	28.9	-95.2	-49.40	-56.56	-13	-43.56	V
1.651440	59.43	Pk	28.9	-95.2	-49.40	-56.27	-13	-43.27	H
2.489146	61.93	Pk	31.9	-95.2	-50.01	-51.38	-13	-38.38	V
2.495588	64.79	Pk	32.0	-95.2	-50.10	-48.51	-13	-35.51	H
3.321680	56.30	Pk	32.8	-95.2	-47.30	-53.40	-13	-40.40	H
3.327840	56.70	Pk	32.8	-95.2	-47.30	-53.00	-13	-40.00	V
Mid Channel, 831.6MHz + 841.5MHz									
1.629880	59.94	Pk	28.8	-95.2	-49.40	-55.86	-13	-42.86	V
1.668600	58.03	Pk	29.0	-95.2	-49.44	-57.61	-13	-44.61	H
2.500597	66.73	Pk	32.0	-95.2	-50.00	-46.47	-13	-33.47	H
2.524507	60.73	Pk	32.1	-95.2	-49.70	-52.07	-13	-39.07	V
3.336200	56.84	Pk	32.7	-95.2	-47.30	-52.96	-13	-39.96	V
3.337960	55.60	Pk	32.7	-95.2	-47.30	-54.20	-13	-41.20	H
High Channel, 834.1MHz + 844MHz									
1.658480	59.39	Pk	29	-95.2	-49.40	-56.21	-13	-43.21	V
1.670360	59.00	Pk	29	-95.2	-49.40	-56.60	-13	-43.60	H
2.499690	62.53	Pk	32	-95.2	-50.03	-50.70	-13	-37.70	V
2.508959	65.69	Pk	32	-95.2	-49.90	-47.41	-13	-34.41	H
3.338840	56.54	Pk	32.7	-95.2	-47.30	-53.26	-13	-40.26	V
3.339280	55.60	Pk	32.7	-95.2	-47.27	-54.17	-13	-41.17	H

10.1.4. LTE BAND 26 (FCC PART 90S)

LTE BAND 26 (QPSK 10.0MHZ BANDWIDTH, ANT 3)

Project #:	15496282
Date:	2025-06-16
Test Engineer:	32934
Configuration:	EUT Only
Mode	LTE B26 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	Margin (dB)	Polarity
Mid Channel, 819MHz									
1.629054	68.49	Pk	28.8	-95.2	-49.40	-47.31	-13	-34.31	H
1.629242	68.81	Pk	28.8	-95.2	-49.40	-46.99	-13	-33.99	V
2.461920	59.51	Pk	31.8	-95.2	-50.11	-54.00	-13	-41.00	H
2.462800	59.80	Pk	31.8	-95.2	-50.18	-53.78	-13	-40.78	V
3.278560	56.92	Pk	32.9	-95.2	-47.76	-53.14	-13	-40.14	H
3.282960	57.21	Pk	32.9	-95.2	-47.50	-52.59	-13	-39.59	V

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

Project #:	15496282
Date:	2025-03-11
Test Engineer:	32934
Configuration:	EUT Only
Mode	LTE B26 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	Margin (dB)	Polarity
Mid Channel, 819MHz									
1.630320	59.64	Pk	28.8	-95.2	-49.40	-56.16	-13	-43.16	V
1.636040	58.19	Pk	28.8	-95.2	-49.40	-57.61	-13	-44.61	H
2.534080	60.46	Pk	32.2	-95.2	-49.69	-52.23	-13	-39.23	V
2.536720	60.70	Pk	32.2	-95.2	-49.60	-51.90	-13	-38.90	H
3.267560	56.87	Pk	32.9	-95.2	-47.84	-53.27	-13	-40.27	H
3.270640	56.47	Pk	32.9	-95.2	-47.76	-53.59	-13	-40.59	V

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

Project #:	15496282
Date:	2025-06-16
Test Engineer:	32934
Configuration:	EUT Only
Mode	LTE B26 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	Margin (dB)	Polarity
Mid Channel, 819MHz									
1.629144	68.88	Pk	28.8	-95.2	-49.40	-46.92	-13	-33.92	H
1.629281	69.56	Pk	28.8	-95.2	-49.40	-46.24	-13	-33.24	V
2.443818	65.75	Pk	31.7	-95.2	-50.10	-47.85	-13	-34.85	H
2.444320	59.73	Pk	31.7	-95.2	-50.13	-53.90	-13	-40.90	V
3.272840	56.50	Pk	32.9	-95.2	-47.80	-53.60	-13	-40.60	H
3.27460	56.07	Pk	32.9	-95.2	-47.70	-53.93	-13	-40.93	V

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

5G NR n26 (BPSK 10.0MHZ BANDWIDTH, ANT 3)

Project #:	15496282
Date:	2025-06-16
Test Engineer:	32934
Configuration:	EUT Only
Mode	5G NR n26 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	Margin (dB)	Polarity
Mid Channel, 819MHz									
1.629000	60.09	Pk	28.8	-95.2	-49.40	-55.71	-13	-42.71	H
1.629000	59.18	Pk	28.8	-95.2	-49.40	-56.62	-13	-43.62	V
2.450040	58.83	Pk	31.7	-95.2	-50.10	-54.77	-13	-41.77	V
2.455760	59.16	Pk	31.8	-95.2	-50.12	-54.36	-13	-41.36	H
3.271080	56.48	Pk	32.9	-95.2	-47.80	-53.62	-13	-40.62	H
3.275040	57.45	Pk	32.9	-95.2	-47.70	-52.55	-13	-39.55	V

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

Project #:	15496282
Date:	2025-03-14
Test Engineer:	32545
Configuration:	EUT Only
Mode	5G NR n26 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	Margin (dB)	Polarity
Mid Channel, 819MHz									
1.638680	56.31	Pk	28.9	-95.2	-49.40	-59.39	-13	-46.39	H
1.638680	56.89	Pk	28.9	-95.2	-49.40	-58.81	-13	-45.81	V
2.491400	56.90	Pk	31.9	-95.2	-50.00	-56.40	-13	-43.40	H
2.491400	57.38	Pk	31.9	-95.2	-50.00	-55.92	-13	-42.92	V
3.278560	53.43	Pk	32.9	-95.2	-47.76	-56.63	-13	-43.63	H
3.278560	54.92	Pk	32.9	-95.2	-47.76	-55.14	-13	-42.14	V

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

Project #:	15496282
Date:	2025-06-16
Test Engineer:	32934
Configuration:	EUT Only
Mode	5G NR n26 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	Margin (dB)	Polarity
Mid Channel, 819MHz									
1.629000	60.09	Pk	28.8	-95.2	-49.40	-55.71	-13	-42.71	H
1.629000	59.18	Pk	28.8	-95.2	-49.40	-56.62	-13	-43.62	V
2.450040	58.83	Pk	31.7	-95.2	-50.10	-54.77	-13	-41.77	V
2.455760	59.16	Pk	31.8	-95.2	-50.12	-54.36	-13	-41.36	H
3.271080	56.48	Pk	32.9	-95.2	-47.80	-53.62	-13	-40.62	H
3.275040	57.45	Pk	32.9	-95.2	-47.70	-52.55	-13	-39.55	V

10.1.6. LTE BAND 26 (FCC PART 22)

LTE BAND 26 (QPSK 15.0MHZ BANDWIDTH, ANT 3)

Project #:	15496282
Date:	2025-06-16
Test Engineer:	32934
Configuration:	EUT Only
Mode	LTE B26 QPSK 20MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 829MHz									
1.649631	69.23	Pk	28.9	-95.2	-49.40	-46.47	-13	-33.47	H
1.649680	59.43	Pk	28.9	-95.2	-49.40	-56.27	-13	-43.27	V
2.474491	67.47	Pk	31.8	-95.2	-50.15	-46.08	-13	-33.08	V
2.474492	67.35	Pk	31.8	-95.2	-50.15	-46.20	-13	-33.20	H
3.322120	56.20	Pk	32.8	-95.2	-47.30	-53.50	-13	-40.50	V
3.324320	55.13	Pk	32.8	-95.2	-47.33	-54.60	-13	-41.60	H
Mid Channel, 836.5MHz									
1.662880	59.15	Pk	29.0	-95.2	-49.49	-56.54	-13	-43.54	V
1.678280	59.00	Pk	29.0	-95.2	-49.50	-56.70	-13	-43.70	H
2.489200	60.06	Pk	31.9	-95.2	-50.02	-53.26	-13	-40.26	V
2.489456	67.74	Pk	31.9	-95.2	-50.05	-45.61	-13	-32.61	H
3.345440	55.88	Pk	32.7	-95.2	-47.16	-53.78	-13	-40.78	V
3.351160	56.90	Pk	32.7	-95.2	-47.18	-52.78	-13	-39.78	H
High Channel, 844MHz									
1.684440	58.18	Pk	29.1	-95.2	-49.50	-57.42	-13	-44.42	H
1.688840	58.10	Pk	29.1	-95.2	-49.48	-57.48	-13	-44.48	V
2.504487	67.94	Pk	32.0	-95.2	-49.95	-45.21	-13	-32.21	H
2.509440	60.31	Pk	32.0	-95.2	-49.90	-52.79	-13	-39.79	V
3.369200	54.79	Pk	32.7	-95.2	-47.12	-54.83	-13	-41.83	H
3.376020	55.64	Pk	32.7	-95.2	-47.30	-54.16	-13	-41.16	V

LTE BAND 26 (QPSK 15.0MHZ BANDWIDTH, ANT 2)

Project #:	15496282
Date:	2025-03-12
Test Engineer:	32934
Configuration:	EUT Only
Mode	LTE B26 QPSK 20MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 829MHz									
1.649240	58.92	Pk	28.9	-95.2	-49.4	-56.78	-13	-43.78	V
1.659800	58.97	Pk	29.0	-95.2	-49.4	-56.63	-13	-43.63	H
2.484800	58.79	Pk	31.9	-95.2	-50.1	-54.61	-13	-41.61	V
2.488760	58.70	Pk	31.9	-95.2	-50.0	-54.60	-13	-41.60	H
3.289560	58.14	Pk	32.9	-95.2	-47.5	-51.66	-13	-38.66	V
3.305400	57.47	Pk	32.8	-95.2	-47.3	-52.23	-13	-39.23	H
Mid Channel, 836.5MHz									
1.637360	60.31	Pk	28.8	-95.2	-49.46	-55.55	-13	-42.55	V
1.651440	59.95	Pk	28.9	-95.2	-49.40	-55.75	-13	-42.75	H
2.502840	59.12	Pk	32.0	-95.2	-50.00	-54.08	-13	-41.08	V
2.504160	59.76	Pk	32.0	-95.2	-49.92	-53.36	-13	-40.36	H
3.350280	56.2	Pk	32.7	-95.2	-47.20	-53.50	-13	-40.50	H
3.358640	55.38	Pk	32.7	-95.2	-47.16	-54.28	-13	-41.28	V
High Channel, 844MHz									
1.675640	58.61	Pk	29.0	-95.2	-49.46	-57.05	-13	-44.05	V
1.685760	57.94	Pk	29.1	-95.2	-49.42	-57.58	-13	-44.58	H
2.519560	59.37	Pk	32.1	-95.2	-49.80	-53.53	-13	-40.53	V
2.525720	59.10	Pk	32.1	-95.2	-49.77	-53.77	-13	-40.77	H
3.357320	55.04	Pk	32.7	-95.2	-47.10	-54.56	-13	-41.56	V
3.365680	55.21	Pk	32.7	-95.2	-47.27	-54.56	-13	-41.56	H

10.1.7. 5G NR n26 (FCC PART 22)

5G NR n26 (BPSK 20.0MHZ BANDWIDTH, ANT 3)

Project #:	15496282
Date:	2025-06-16
Test Engineer:	32434
Configuration:	EUT Only
Mode	5G NR n26 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	Margin (dB)	Polarity
Low Channel, 834MHz									
1.660680	58.65	Pk	29.0	-95.2	-49.40	-56.95	-13	-43.95	H
1.652760	59.41	Pk	28.9	-95.2	-49.40	-56.29	-13	-43.29	V
2.507680	58.72	Pk	32.0	-95.2	-49.90	-54.38	-13	-41.38	H
2.509000	60.24	Pk	32.0	-95.2	-49.90	-52.86	-13	-39.86	V
3.340160	55.74	Pk	32.7	-95.2	-47.18	-53.94	-13	-40.94	H
3.369640	57.31	Pk	32.7	-95.2	-47.16	-52.35	-13	-39.35	V
Mid Channel, 836.5MHz									
1.672560	58.78	Pk	29.0	-95.2	-49.40	-56.82	-13	-43.82	H
3.347200	55.63	Pk	32.7	-95.2	-47.20	-54.07	-13	-41.07	H
1.661560	58.98	Pk	29.0	-95.2	-49.40	-56.62	-13	-43.62	V
3.348080	55.36	Pk	32.7	-95.2	-47.20	-54.34	-13	-41.34	V
2.509440	59.53	Pk	32.0	-95.2	-49.90	-53.57	-13	-40.57	V
2.511200	59.00	Pk	32.0	-95.2	-49.90	-54.10	-13	-41.10	H
High Channel, 839.0MHz									
1.676960	58.08	Pk	29.0	-95.2	-49.40	-57.52	-13	-44.52	H
1.665960	58.57	Pk	29.0	-95.2	-49.50	-57.13	-13	-44.13	V
2.506360	59.51	Pk	32.0	-95.2	-49.90	-53.59	-13	-40.59	V
2.519560	58.71	Pk	32.1	-95.2	-49.80	-54.19	-13	-41.19	H
3.358640	55.67	Pk	32.7	-95.2	-47.16	-53.99	-13	-40.99	H
3.359080	55.01	Pk	32.7	-95.2	-47.21	-54.70	-13	-41.70	V

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

Project #:	15496282
Date:	2025-03-14
Test Engineer:	32545
Configuration:	EUT Only
Mode	5G NR n26 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	Margin (dB)	Polarity
Low Channel, 834MHz									
1.590689	61.29	Pk	28.3	-95.2	-49.47	-55.08	-13	-42.08	V
1.596024	60.32	Pk	28.4	-95.2	-49.40	-55.88	-13	-42.88	H
2.537965	60.81	Pk	32.2	-95.2	-49.60	-51.79	-13	-38.79	H
2.538210	60.63	Pk	32.2	-95.2	-49.60	-51.97	-13	-38.97	V
3.534537	57.40	Pk	32.8	-95.2	-47.15	-52.15	-13	-39.15	H
3.536073	57.86	Pk	32.8	-95.2	-47.11	-51.65	-13	-38.65	V
Mid Channel, 836.5MHz									
1.673000	56.38	Pk	29.0	-95.2	-49.40	-59.22	-13	-46.22	H
1.673000	57.72	Pk	29.0	-95.2	-49.40	-57.88	-13	-44.88	V
2.512080	58.02	Pk	32.0	-95.2	-49.90	-55.08	-13	-42.08	H
2.512080	57.31	Pk	32.0	-95.2	-49.90	-55.79	-13	-42.79	V
3.346760	53.34	Pk	32.7	-95.2	-47.18	-56.34	-13	-43.34	H
3.346760	53.10	Pk	32.7	-95.2	-47.18	-56.58	-13	-43.58	V
High Channel, 839.0MHz									
1.677400	56.82	Pk	29.0	-95.2	-49.44	-58.82	-13	-45.82	H
1.677400	56.54	Pk	29.0	-95.2	-49.44	-59.10	-13	-46.10	V
2.518680	57.11	Pk	32.1	-95.2	-49.83	-55.82	-13	-42.82	H
2.518680	57.13	Pk	32.1	-95.2	-49.83	-55.80	-13	-42.80	V
3.356000	52.93	Pk	32.7	-95.2	-47.10	-56.67	-13	-43.67	H
3.356000	53.67	Pk	32.7	-95.2	-47.10	-55.93	-13	-42.93	V

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

Project #:	15496282
Date:	2025-06-16
Test Engineer:	32934
Configuration:	EUT Only
Mode	5G NR n26 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	Margin (dB)	Polarity
Low Channel, 834MHz									
1.649240	60.18	Pk	28.9	-95.2	-49.40	-55.52	-13	-42.52	H
1.656720	59.13	Pk	29.0	-95.2	-49.40	-56.47	-13	-43.47	V
2.498000	59.17	Pk	32.0	-95.2	-50.10	-54.13	-13	-41.13	V
2.500200	58.82	Pk	32.0	-95.2	-50.00	-54.38	-13	-41.38	H
3.341480	56.02	Pk	32.7	-95.2	-47.15	-53.63	-13	-40.63	H
3.352920	55.93	Pk	32.7	-95.2	-47.19	-53.76	-13	-40.76	V
Mid Channel, 836.5MHz									
1.676080	58.13	Pk	29.0	-95.2	-49.49	-57.56	-13	-44.56	V
1.676960	58.24	Pk	29.0	-95.2	-49.40	-57.36	-13	-44.36	H
2.506800	59.68	Pk	32.0	-95.2	-49.90	-53.42	-13	-40.42	H
2.507680	59.92	Pk	32.0	-95.2	-49.90	-53.18	-13	-40.18	V
3.341480	55.25	Pk	32.7	-95.2	-47.15	-54.40	-13	-41.40	H
3.344560	55.92	Pk	32.7	-95.2	-47.20	-53.78	-13	-40.78	V
High Channel, 839.0MHz									
1.671680	58.25	Pk	29.0	-95.2	-49.4	-57.35	-13	-44.35	V
1.677400	57.81	Pk	29.0	-95.2	-49.44	-57.83	-13	-44.83	H
2.505040	59.95	Pk	32.0	-95.2	-50.00	-53.25	-13	-40.25	V
2.516920	59.51	Pk	32.1	-95.2	-49.81	-53.40	-13	-40.40	H
3.347640	55.25	Pk	32.7	-95.2	-47.20	-54.45	-13	-41.45	H
3.349840	55.91	Pk	32.7	-95.2	-47.20	-53.79	-13	-40.79	V

11. SETUP PHOTOS

Refer to 15496282-EP1V1 for setup photos.

END OF REPORT