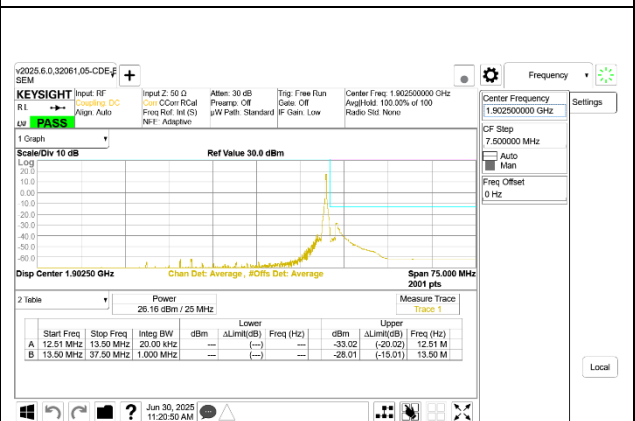
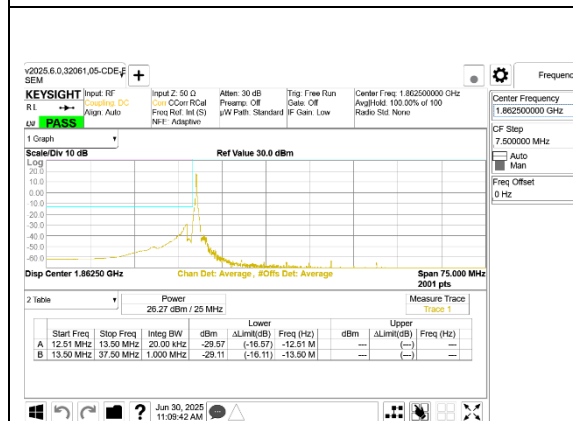
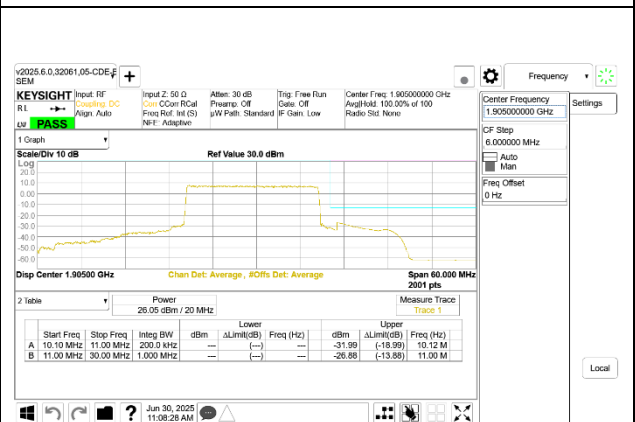
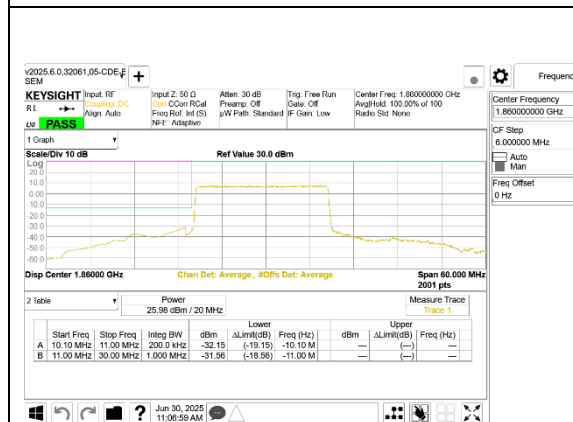
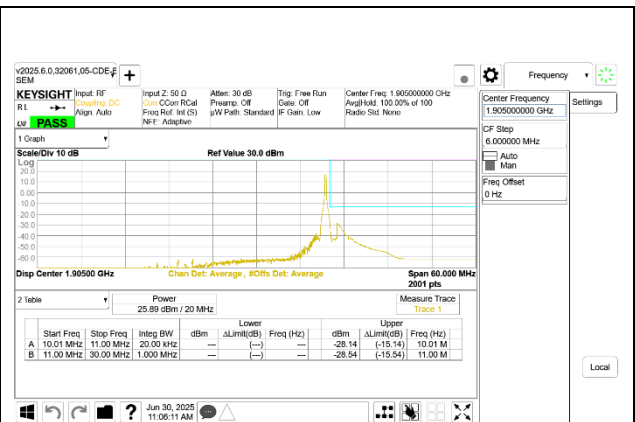
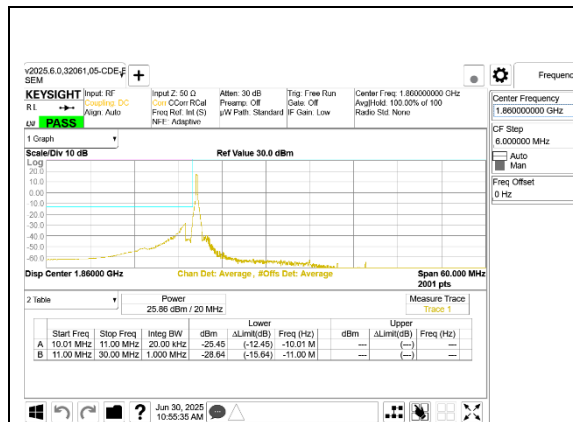
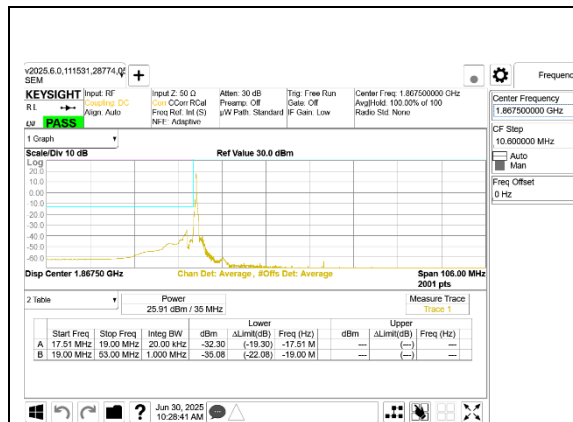


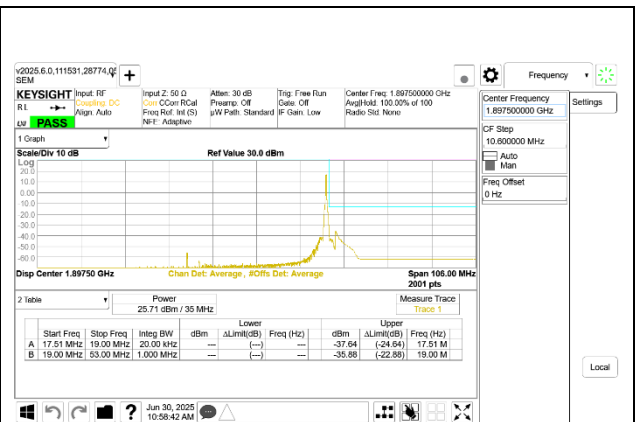




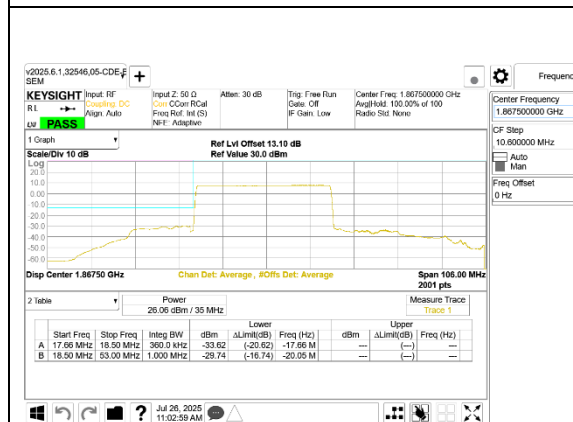




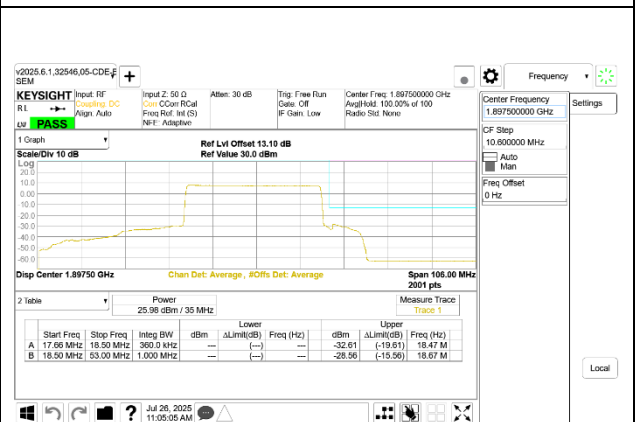
5G NR n25 35MHz BPSK Low Channel RB1-0



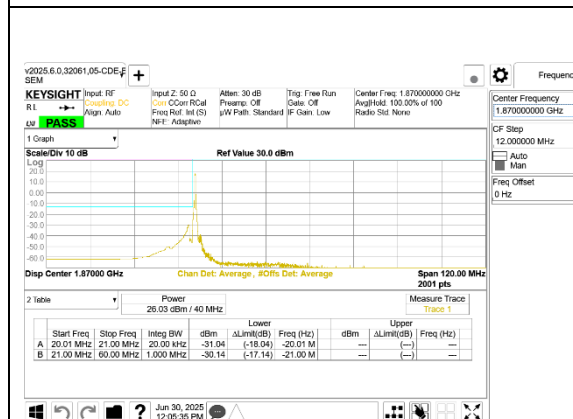
5G NR n25 35MHz BPSK High Channel RB1-187



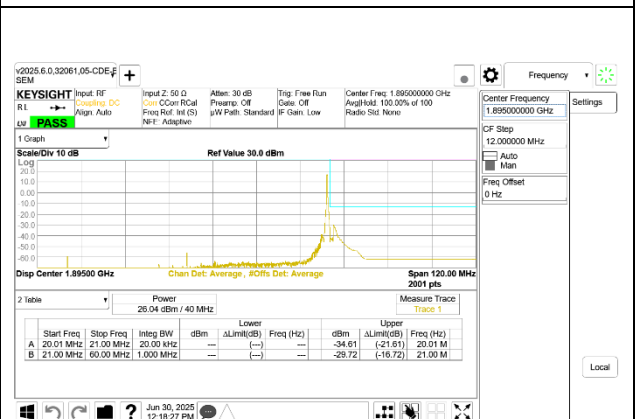
5G NR n25 35MHz BPSK Low Channel RB180-0



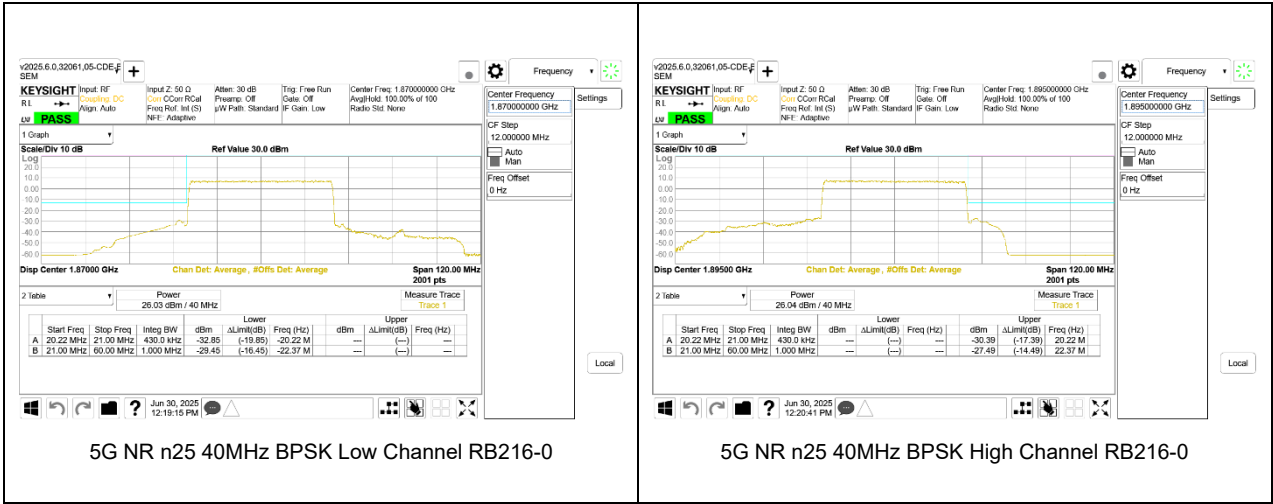
5G NR n25 35MHz BPSK High Channel RB180-0



5G NR n25 40MHz BPSK Low Channel RB1-0



5G NR n25 40MHz BPSK High Channel RB1-215



9.3. OUT OF BAND EMISSIONS

LIMITS

FCC: §24.238 (a)

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

ISED: RSS133§5.6

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:

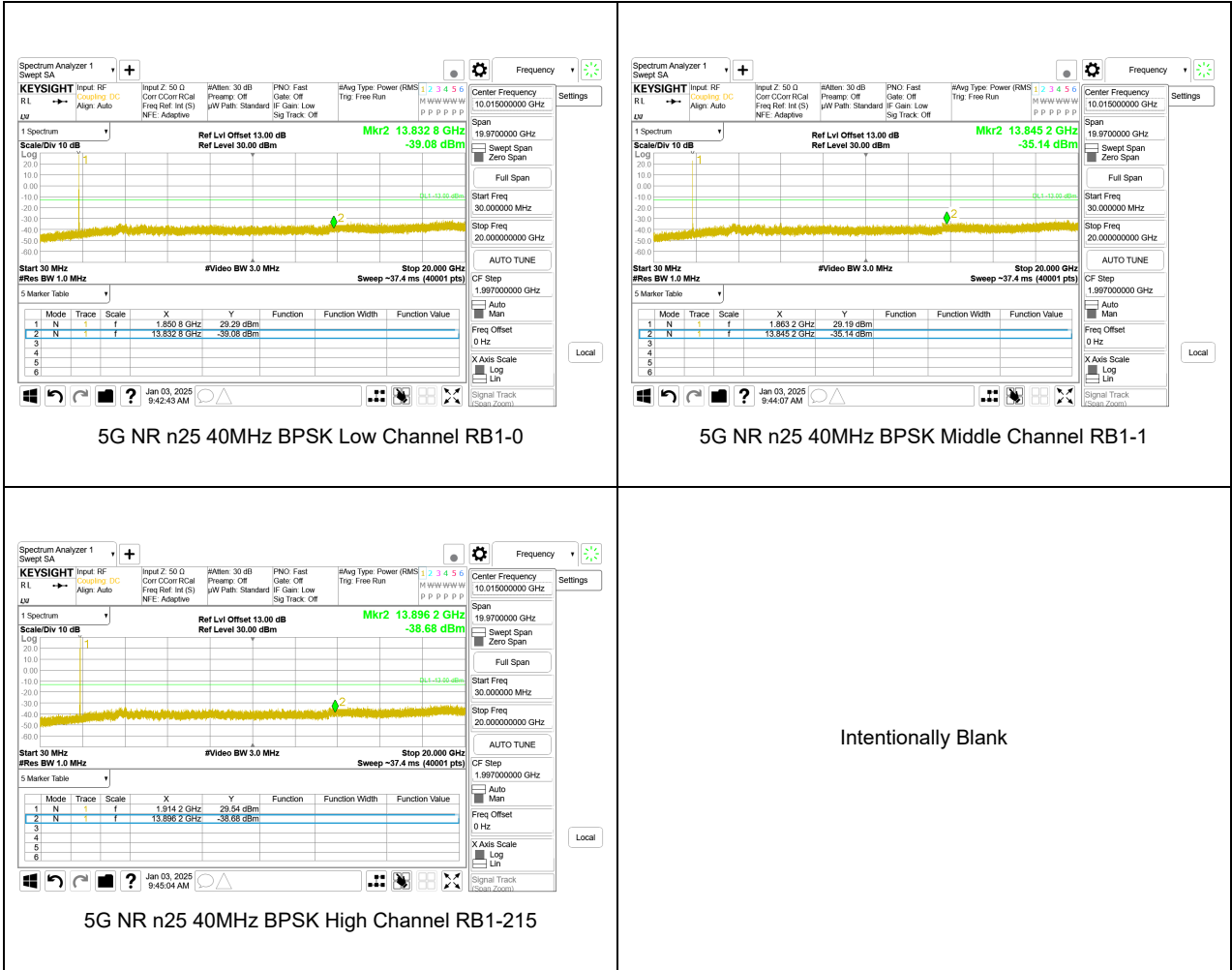
- Set display line at -13 dBm
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
(NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

RESULTS

9.3.1. LTE BAND 25



9.3.2. 5G NR n25



9.4. FREQUENCY STABILITY

LIMITS

FCC: §24.235

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

ISED: RSS133§5.4

The frequency stability shall be sufficient to ensure that the occupied bandwidth stays within the operating frequency block or frequency block group when tested to 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°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°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 25 (QPSK 20MHz BANDWIDTH)

Test Engineer ID:	32546	Test Date:	2025-03-04
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Band	25	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1850	1915		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	1851.0611	1913.9429			
Extreme (50°C)		1851.0611	1913.9429	-7.2	-0.004	Yes
Extreme (40°C)		1851.0611	1913.9429	-6.5	-0.003	Yes
Extreme (30°C)		1851.0611	1913.9429	-6.4	-0.003	Yes
Extreme (10°C)		1851.0611	1913.9429	-7.7	-0.004	Yes
Extreme (0°C)		1851.0611	1913.9429	-5.3	-0.003	Yes
Extreme (-10°C)		1851.0611	1913.9429	-6.1	-0.003	Yes
Extreme (-20°C)		1851.0611	1913.9429	8.0	0.004	Yes
Extreme (-30°C)		1851.0611	1913.9429	6.2	0.003	Yes
20°C	15%	1851.0611	1913.9429	-7.2	-0.004	Yes
	-15%	1851.0611	1913.9429	-6.7	-0.004	Yes
	End Point Voltage	1851.0611	1913.9429	-8.5	-0.005	Yes

9.4.2. 5G NR n25 (BPSK 40MHz BANDWIDTH)

Test Engineer ID:	32061	Test Date:	2025-02-03
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Band	25	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1850	1915		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	1850.6739	1914.2983			
Extreme (50°C)		1850.6739	1914.2983	-5.9	-0.003	Yes
Extreme (40°C)		1850.6739	1914.2983	-6.8	-0.004	Yes
Extreme (30°C)		1850.6739	1914.2983	-7.9	-0.004	Yes
Extreme (10°C)		1850.6739	1914.2983	-6.9	-0.004	Yes
Extreme (0°C)		1850.6739	1914.2983	-7.3	-0.004	Yes
Extreme (-10°C)		1850.6739	1914.2983	-7.9	-0.004	Yes
Extreme (-20°C)		1850.6739	1914.2983	-7.8	-0.004	Yes
Extreme (-30°C)		1850.6739	1914.2983	-7.1	-0.004	Yes
20°C	15%	1850.6739	1914.2983	-6.5	-0.003	Yes
	-15%	1850.6739	1914.2983	-7.1	-0.004	Yes
	End Point Voltage	1850.6739	1914.2983	-7.3	-0.004	Yes

9.5. PEAK-TO-AVERAGE POWER RATIO

LIMIT

FCC: §24.232 (d)

In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

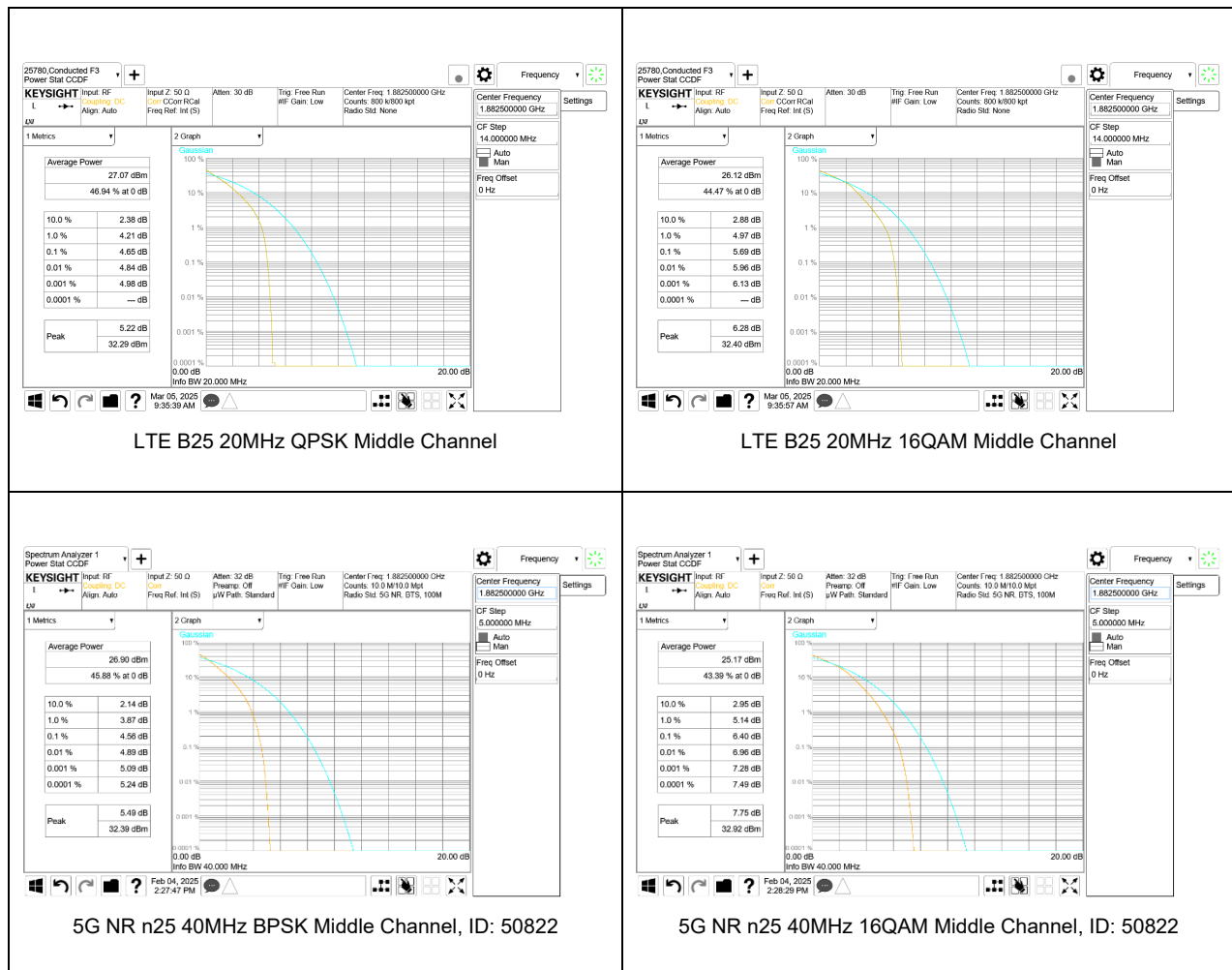
ISED: RSS133§5.5

In addition, the peak-to-average power ratio (PAPR) of the equipment 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

The worst-case antenna port for conducted power shown in section 6.5. 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 25

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 25	1.4MHz	1882.5	6	0	QPSK	31.55	26.82	4.73
					16QAM	31.88	25.93	5.95
	3MHz		15	0	QPSK	31.74	26.90	4.84
					16QAM	31.71	25.94	5.77
	5MHz		25	0	QPSK	32.00	26.93	5.07
					16QAM	32.05	25.96	6.09
	10MHz		50	0	QPSK	32.03	26.93	5.10
					16QAM	32.10	25.97	6.13
	15MHz		75	0	QPSK	32.12	27.05	5.07
					16QAM	32.11	26.10	6.01
	20MHz		100	0	QPSK	32.29	27.07	5.22
					16QAM	32.40	26.12	6.28
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 n25

Test Engineer ID:	50822	Test Date:	2025-02-03
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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 n25	5MHz	1882.5	25	0	BPSK	31.37	26.76	4.61
					16QAM	32.38	25.20	7.18
	10MHz		50	0	BPSK	31.42	26.69	4.73
					16QAM	32.34	25.17	7.17
	15MHz		75	0	BPSK	31.54	26.67	4.87
					16QAM	32.31	25.12	7.19
	20MHz		100	0	BPSK	31.53	26.75	4.78
					16QAM	32.25	25.09	7.16
	25MHz		128	0	BPSK	31.77	26.75	5.02
					16QAM	32.49	25.18	7.31
	30MHz		160	0	BPSK	31.91	26.83	5.08
					16QAM	32.57	25.23	7.34
	35MHz		180	0	BPSK	31.76	26.68	5.08
					16QAM	32.63	25.10	7.53
	40MHz		216	0	BPSK	32.39	26.90	5.49
					16QAM	32.92	25.17	7.75
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: §24.238(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.

ISED: RSS133§5.6

For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors), where applicable, of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in the table 3.

Table 3: Unwanted emission limits for all equipment	
Offset frequency from the edge of the frequency block group (MHz)	Unwanted emission limit
≤ 1	-13 dBm/(1% of OBW)
> 1	-13 dBm/MHz

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.

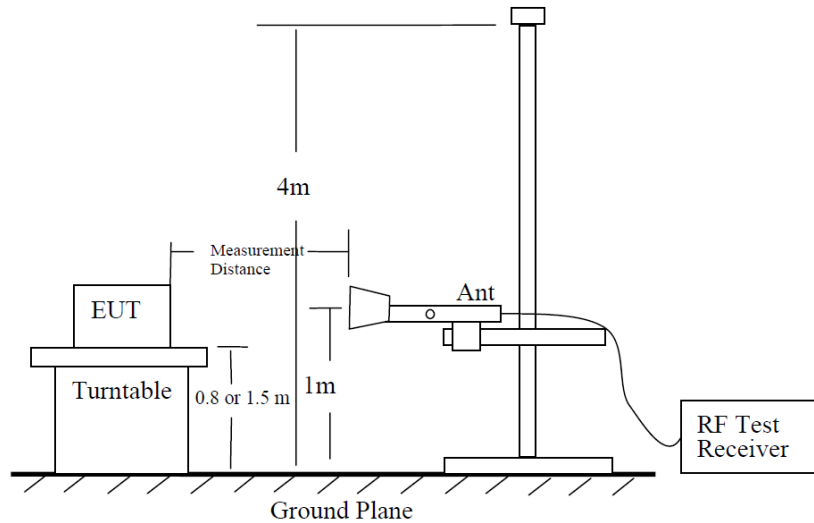


Figure 6 —Test site-up for radiated ERP and/or EIRP measurements

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.

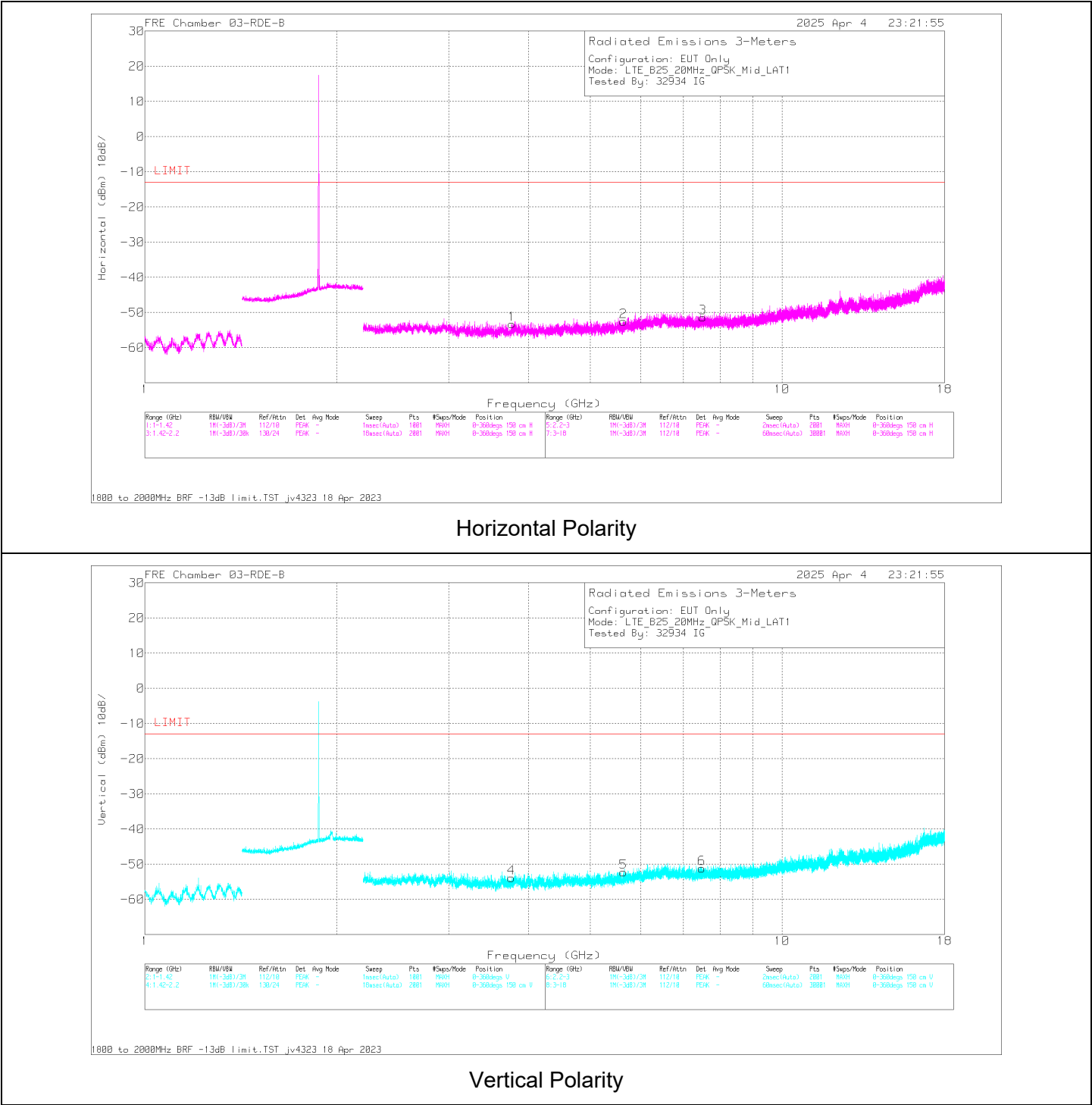
So, from d)

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
4	3.761500	55.72	Pk	33.1	-95.2	-47.55	-53.93	-13	-40.93	V
1	3.766000	56.32	Pk	33.1	-95.2	-47.50	-53.28	-13	-40.28	H
2	5.637500	56.06	Pk	34.5	-95.2	-47.90	-52.54	-13	-39.54	H
5	5.640000	56.47	Pk	34.5	-95.2	-48.00	-52.23	-13	-39.23	V
6	7.490000	56.21	Pk	35.7	-95.2	-47.90	-51.19	-13	-38.19	V
3	7.513000	55.81	Pk	35.7	-95.2	-47.70	-51.39	-13	-38.39	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 25

LTE BAND 25 (QPSK 20.0MHZ BANDWIDTH, ANT 1)

Project #:	15496277
Date:	2025-04-04
Test Engineer:	32934
Configuration:	EUT Only
Mode	LTE 25 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 (dBm)	Margin (dB)	Polarity
Low Channel, 1860MHz									
3.722000	56.05	Pk	33.1	-95.2	-47.00	-53.05	-13	-40.05	V
3.724500	54.83	Pk	33.1	-95.2	-47.00	-54.27	-13	-41.27	H
5.544000	55.74	Pk	34.4	-95.2	-48.30	-53.36	-13	-40.36	V
5.578500	56.91	Pk	34.4	-95.2	-48.25	-52.14	-13	-39.14	H
7.433500	56.80	Pk	35.7	-95.2	-47.60	-50.30	-13	-37.30	V
7.442000	56.06	Pk	35.7	-95.2	-47.70	-51.14	-13	-38.14	H
Mid Channel, 1882.5MHz									
3.761500	55.72	Pk	33.1	-95.2	-47.55	-53.93	-13	-40.93	V
3.766000	56.32	Pk	33.1	-95.2	-47.50	-53.28	-13	-40.28	H
5.637500	56.06	Pk	34.5	-95.2	-47.90	-52.54	-13	-39.54	H
5.640000	56.47	Pk	34.5	-95.2	-48.00	-52.23	-13	-39.23	V
7.490000	56.21	Pk	35.7	-95.2	-47.90	-51.19	-13	-38.19	V
7.513000	55.81	Pk	35.7	-95.2	-47.70	-51.39	-13	-38.39	H
High Channel, 1905MHz									
3.801500	57.57	Pk	33.2	-95.2	-47.70	-52.13	-13	-39.13	V
3.816500	56.40	Pk	33.2	-95.2	-47.60	-53.20	-13	-40.20	H
5.720000	56.28	Pk	34.6	-95.2	-47.70	-52.02	-13	-39.02	V
5.724000	56.49	Pk	34.6	-95.2	-47.70	-51.81	-13	-38.81	H
7.625000	55.55	Pk	35.7	-95.2	-46.90	-50.85	-13	-37.85	H
7.628000	56.52	Pk	35.7	-95.2	-46.90	-49.88	-13	-36.88	V

LTE BAND 25 (QPSK 20.0MHZ BANDWIDTH, ANT 2)

Project #:	15496277
Date:	2025-04-11
Test Engineer:	32934
Configuration:	EUT Only
Mode	LTE 25 QPSK 20MHz
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, 1860MHz									
3.727500	57.34	Pk	33.0	-95.2	-47.74	-52.60	-13	-39.60	V
3.754500	56.91	Pk	33.1	-95.2	-47.68	-52.87	-13	-39.87	H
5.569000	56.12	Pk	34.9	-95.2	-47.81	-51.99	-13	-38.99	V
5.577500	57.05	Pk	35.0	-95.2	-47.75	-50.90	-13	-37.90	H
7.448000	55.23	Pk	35.6	-95.2	-47.05	-51.42	-13	-38.42	V
7.453500	55.45	Pk	35.6	-95.2	-46.96	-51.11	-13	-38.11	H
Mid Channel, 1882.5MHz									
3.746000	56.29	Pk	33.0	-95.2	-47.59	-53.50	-13	-40.50	V
3.758000	56.50	Pk	33.1	-95.2	-47.54	-53.14	-13	-40.14	H
5.658000	55.47	Pk	35.0	-95.2	-47.34	-52.07	-13	-39.07	H
5.840000	56.71	Pk	35.1	-95.2	-46.24	-49.63	-13	-36.63	V
7.532000	55.01	Pk	35.6	-95.2	-46.78	-51.37	-13	-38.37	V
7.550500	54.69	Pk	35.6	-95.2	-46.84	-51.75	-13	-38.75	H
High Channel, 1905MHz									
3.809000	56.08	Pk	33.3	-95.2	-47.39	-53.21	-13	-40.21	V
3.823000	56.05	Pk	33.3	-95.2	-47.49	-53.34	-13	-40.34	H
5.709500	54.89	Pk	35.1	-95.2	-47.14	-52.35	-13	-39.35	V
5.724500	54.80	Pk	35.1	-95.2	-47.06	-52.36	-13	-39.36	H
7.614000	55.18	Pk	35.7	-95.2	-46.96	-51.28	-13	-38.28	H
7.643000	55.38	Pk	35.7	-95.2	-46.74	-50.86	-13	-37.86	V

LTE BAND 25 (QPSK 20.0MHZ BANDWIDTH, ANT 3)

Project #:	15496277
Date:	2025-04-14
Test Engineer:	45258
Configuration:	EUT Only
Mode	LTE 25 QPSK 20MHz
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1860MHz									
3.721500	54.84	Pk	33.2	-95.2	-46.08	-53.24	-13	-40.24	H
3.724000	54.33	Pk	33.2	-95.2	-46.11	-53.78	-13	-40.78	V
5.580500	55.46	Pk	34.3	-95.2	-47.78	-53.22	-13	-40.22	V
5.581500	55.11	Pk	34.3	-95.2	-47.78	-53.57	-13	-40.57	H
7.441500	54.87	Pk	35.7	-95.2	-46.90	-51.53	-13	-38.53	H
7.442000	55.95	Pk	35.7	-95.2	-46.91	-50.46	-13	-37.46	V
Mid Channel, 1882.5MHz									
3.764500	54.25	Pk	33.3	-95.2	-46.06	-53.71	-13	-40.71	H
3.766000	53.85	Pk	33.3	-95.2	-46.07	-54.12	-13	-41.12	V
5.649000	55.68	Pk	34.4	-95.2	-47.42	-52.54	-13	-39.54	V
5.652500	55.05	Pk	34.4	-95.2	-47.43	-53.18	-13	-40.18	H
7.528000	55.66	Pk	35.7	-95.2	-47.31	-51.15	-13	-38.15	H
7.529500	55.46	Pk	35.7	-95.2	-47.32	-51.36	-13	-38.36	V
High Channel, 1905MHz									
3.787000	55.06	Pk	33.3	-95.2	-46.26	-53.10	-13	-40.10	V
3.796500	54.34	Pk	33.3	-95.2	-46.29	-53.85	-13	-40.85	H
5.681000	56.48	Pk	34.4	-95.2	-47.22	-51.54	-13	-38.54	H
5.685000	56.33	Pk	34.4	-95.2	-47.26	-51.73	-13	-38.73	V
7.479000	55.02	Pk	35.7	-95.2	-47.00	-51.48	-13	-38.48	H
7.482000	55.09	Pk	35.7	-95.2	-46.99	-51.40	-13	-38.40	V

LTE BAND 25 (QPSK 20.0MHZ BANDWIDTH, ANT 4)

Project #:	15496277
Date:	2025-04-14
Test Engineer:	45258
Configuration:	EUT Only
Mode	LTE 25 QPSK 20MHz
Chamber #:	04-RDE-P

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, 1860MHz									
3.718000	54.77	Pk	33.2	-95.2	-46.12	-53.35	-13	-40.35	V
3.719000	54.10	Pk	33.2	-95.2	-46.11	-54.01	-13	-41.01	H
5.581000	54.96	Pk	34.3	-95.2	-47.78	-53.72	-13	-40.72	H
5.582000	55.84	Pk	34.3	-95.2	-47.77	-52.83	-13	-39.83	V
7.440000	55.21	Pk	35.7	-95.2	-46.87	-51.16	-13	-38.16	V
7.443000	55.05	Pk	35.7	-95.2	-46.93	-51.38	-13	-38.38	H
Mid Channel, 1882.5MHz									
3.758000	55.55	Pk	33.3	-95.2	-46.16	-52.51	-13	-39.51	H
3.764500	53.78	Pk	33.3	-95.2	-46.06	-54.18	-13	-41.18	V
5.647500	55.65	Pk	34.4	-95.2	-47.43	-52.58	-13	-39.58	H
5.651000	55.81	Pk	34.4	-95.2	-47.42	-52.41	-13	-39.41	V
7.528500	55.70	Pk	35.7	-95.2	-47.32	-51.12	-13	-38.12	V
7.536000	55.95	Pk	35.7	-95.2	-47.39	-50.94	-13	-37.94	H
High Channel, 1905MHz									
3.790000	53.55	Pk	33.3	-95.2	-46.22	-54.57	-13	-41.57	V
3.791000	53.90	Pk	33.3	-95.2	-46.22	-54.22	-13	-41.22	H
5.684000	56.00	Pk	34.4	-95.2	-47.26	-52.06	-13	-39.06	H
5.685000	56.33	Pk	34.4	-95.2	-47.26	-51.73	-13	-38.73	V
7.580500	54.64	Pk	35.7	-95.2	-47.06	-51.92	-13	-38.92	V
7.581000	54.96	Pk	35.7	-95.2	-47.07	-51.61	-13	-38.61	H

10.1.2. 5G NR n25

5G NR n25 (BPSK 40.0MHZ BANDWIDTH, ANT 1)

Project #:	15496277
Date:	2025-06-03
Test Engineer:	32934
Configuration:	EUT Only
Mode	5G NR n25 BPSK 40MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 AC (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1870MHz									
3.742000	55.03	Pk	33.1	-95.2	-47.50	-54.57	-13	-41.57	H
7.484500	56.05	Pk	35.7	-95.2	-47.90	-51.35	-13	-38.35	H
3.723500	54.36	Pk	33.1	-95.2	-47.00	-54.74	-13	-41.74	V
7.483500	55.99	Pk	35.7	-95.2	-47.90	-51.41	-13	-38.41	V
5.584000	56.94	Pk	34.4	-95.2	-48.30	-52.16	-13	-39.16	V
5.606500	55.73	Pk	34.4	-95.2	-48.10	-53.17	-13	-40.17	H
Mid Channel, 1882.5MHz									
3.774000	55.78	Pk	33.2	-95.2	-47.60	-53.82	-13	-40.82	H
7.514500	56.12	Pk	35.7	-95.2	-47.75	-51.13	-13	-38.13	H
3.781500	55.82	Pk	33.2	-95.2	-47.65	-53.83	-13	-40.83	V
7.564000	55.89	Pk	35.7	-95.2	-47.20	-50.81	-13	-37.81	V
5.633000	56.13	Pk	34.5	-95.2	-48.00	-52.57	-13	-39.57	V
5.658000	55.72	Pk	34.5	-95.2	-47.90	-52.88	-13	-39.88	H
High Channel, 1895MHz									
3.810000	56.37	Pk	33.2	-95.2	-47.60	-53.23	-13	-40.23	H
7.609000	57.10	Pk	35.7	-95.2	-46.90	-49.30	-13	-36.30	H
3.817000	56.47	Pk	33.2	-95.2	-47.60	-53.13	-13	-40.13	V
7.616500	55.27	Pk	35.7	-95.2	-46.80	-51.03	-13	-38.03	V
5.671000	56.17	Pk	34.5	-95.2	-47.90	-52.43	-13	-39.43	V
5.684500	56.03	Pk	34.5	-95.2	-48.00	-52.67	-13	-39.67	H

5G NR n25 (BPSK 40.0MHZ BANDWIDTH, ANT 2)

Project #:	15496277
Date:	2025-04-01
Test Engineer:	26051
Configuration:	EUT Only
Mode	5G NR n25 BPSK 40MHz
Chamber #:	05-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1870MHz									
3.754000	54.73	Pk	33.3	-95.2	-46.20	-53.37	-13	-40.37	H
7.499000	54.15	Pk	35.7	-95.2	-45.20	-50.55	-13	-37.55	H
3.754500	55.75	Pk	33.3	-95.2	-46.25	-52.40	-13	-39.40	V
7.501500	53.65	Pk	35.7	-95.2	-45.15	-51.00	-13	-38.00	V
5.624500	55.18	Pk	34.9	-95.2	-46.20	-51.32	-13	-38.32	H
5.637000	54.70	Pk	34.9	-95.2	-46.10	-51.70	-13	-38.70	V
Mid Channel, 1882.5MHz									
3.801000	55.20	Pk	33.4	-95.2	-45.70	-52.30	-13	-39.30	H
7.539000	53.97	Pk	35.7	-95.2	-44.60	-50.13	-13	-37.13	H
3.798500	54.42	Pk	33.4	-95.2	-46.00	-53.38	-13	-40.38	V
7.549000	54.99	Pk	35.7	-95.2	-44.70	-49.21	-13	-36.21	V
5.666000	54.27	Pk	34.9	-95.2	-46.20	-52.23	-13	-39.23	V
5.676000	55.31	Pk	34.9	-95.2	-46.10	-51.09	-13	-38.09	H
High Channel, 1895MHz									
3.804500	57.93	Pk	33.2	-95.2	-47.60	-51.67	-13	-38.67	H
3.817500	57.60	Pk	33.2	-95.2	-47.55	-51.95	-13	-38.95	V
5.676500	56.94	Pk	34.5	-95.2	-47.90	-51.66	-13	-38.66	H
5.679500	55.96	Pk	34.5	-95.2	-48.00	-52.74	-13	-39.74	V
7.578000	56.20	Pk	35.7	-95.2	-47.10	-50.40	-13	-37.40	H
7.603000	54.85	Pk	35.7	-95.2	-47.00	-51.65	-13	-38.65	V

5G NR n25 (BPSK 40.0MHZ BANDWIDTH, ANT 3)

Project #:	15496277
Date:	2025-04-08
Test Engineer:	32933
Configuration:	EUT Only
Mode	5G NR n25 BPSK 40MHz
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	200897 AC (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1870MHz									
3.733500	56.26	Pk	33.1	-95.2	-47.25	-53.09	-13	-40.09	H
7.492500	55.82	Pk	35.7	-95.2	-47.90	-51.58	-13	-38.58	H
3.727000	55.47	Pk	33.1	-95.2	-47.10	-53.73	-13	-40.73	V
7.493000	55.99	Pk	35.7	-95.2	-47.90	-51.41	-13	-38.41	V
5.614500	58.08	Pk	34.5	-95.2	-48.25	-50.87	-13	-37.87	H
5.614500	57.21	Pk	34.5	-95.2	-48.25	-51.74	-13	-38.74	V
Mid Channel, 1882.5MHz									
3.751500	55.65	Pk	33.1	-95.2	-47.55	-54.00	-13	-41.00	H
7.535500	55.62	Pk	35.7	-95.2	-47.60	-51.48	-13	-38.48	H
3.753000	56.03	Pk	33.1	-95.2	-47.60	-53.67	-13	-40.67	V
7.551000	55.84	Pk	35.7	-95.2	-47.40	-51.06	-13	-38.06	V
5.643000	55.41	Pk	34.5	-95.2	-47.90	-53.19	-13	-40.19	V
5.646000	55.77	Pk	34.5	-95.2	-47.90	-52.83	-13	-39.83	H
High Channel, 1895MHz									
3.797500	56.35	Pk	33.2	-95.2	-47.60	-53.25	-13	-40.25	H
7.582000	54.96	Pk	35.7	-95.2	-47.00	-51.54	-13	-38.54	H
3.799500	56.89	Pk	33.2	-95.2	-47.70	-52.81	-13	-39.81	V
7.622000	55.22	Pk	35.7	-95.2	-46.90	-51.18	-13	-38.18	V
5.663500	55.76	Pk	34.5	-95.2	-47.85	-52.79	-13	-39.79	V
5.679000	55.66	Pk	34.5	-95.2	-48.00	-53.04	-13	-40.04	H

5G NR n25 (BPSK 40.0MHZ BANDWIDTH, ANT 4)

Project #:	15496277
Date:	2025-04-08
Test Engineer:	32933
Configuration:	EUT Only
Mode	5G NR n25 BPSK 40MHz
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	200897 AC (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1870MHz									
3.780000	52.97	Pk	33.3	-95.2	-46.15	-55.08	-13	-42.08	H
3.780000	55.38	Pk	33.3	-95.2	-46.15	-52.67	-13	-39.67	V
5.609500	55.69	Pk	34.3	-95.2	-47.51	-52.72	-13	-39.72	V
5.612000	54.84	Pk	34.3	-95.2	-47.49	-53.55	-13	-40.55	H
7.481500	55.56	Pk	35.7	-95.2	-47.00	-50.94	-13	-37.94	H
7.482500	56.22	Pk	35.7	-95.2	-46.99	-50.27	-13	-37.27	V
Mid Channel, 1882.5MHz									
3.767500	53.90	Pk	33.3	-95.2	-46.10	-54.10	-13	-41.10	V
3.769500	55.58	Pk	33.3	-95.2	-46.14	-52.46	-13	-39.46	H
5.657000	55.11	Pk	34.4	-95.2	-47.37	-53.06	-13	-40.06	H
5.658000	54.95	Pk	34.4	-95.2	-47.33	-53.18	-13	-40.18	V
7.524000	55.02	Pk	35.7	-95.2	-47.34	-51.82	-13	-38.82	H
7.526500	55.03	Pk	35.7	-95.2	-47.32	-51.79	-13	-38.79	V
High Channel, 1895MHz									
3.786000	53.79	Pk	33.3	-95.2	-46.26	-54.37	-13	-41.37	H
3.790000	53.32	Pk	33.3	-95.2	-46.22	-54.80	-13	-41.80	V
5.580000	55.87	Pk	34.3	-95.2	-47.78	-52.81	-13	-39.81	V
5.581000	55.08	Pk	34.3	-95.2	-47.78	-53.60	-13	-40.60	H
7.588000	54.61	Pk	35.8	-95.2	-47.05	-51.84	-13	-38.84	H
7.589500	55.57	Pk	35.8	-95.2	-47.06	-50.89	-13	-37.89	V

11. SETUP PHOTOS

Refer to 15496277-EP1 for setup photos.

END OF REPORT