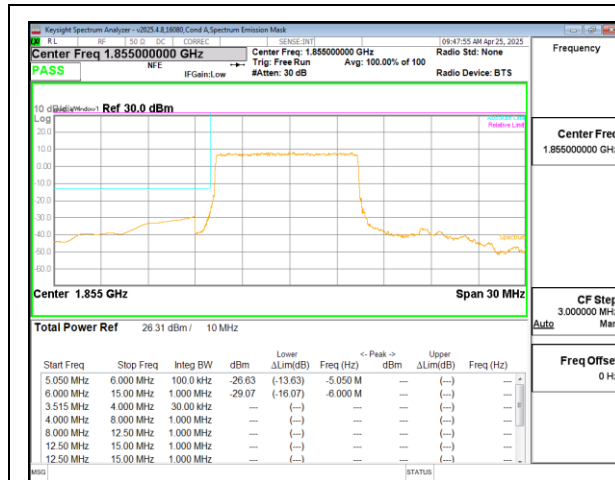
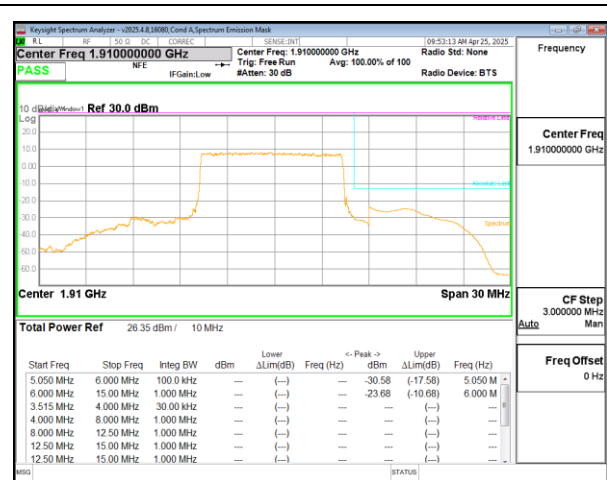


9.2.2. 5G NR n25

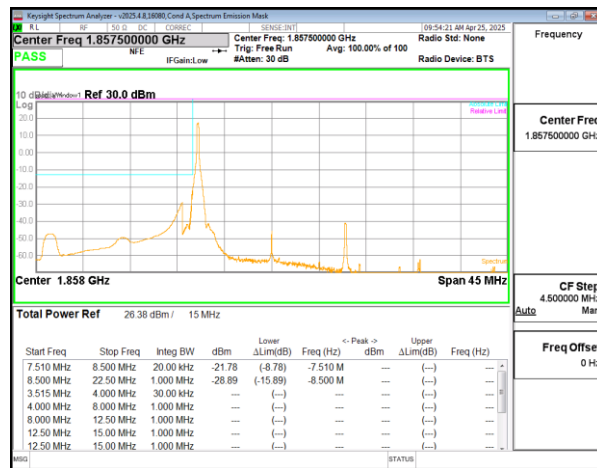




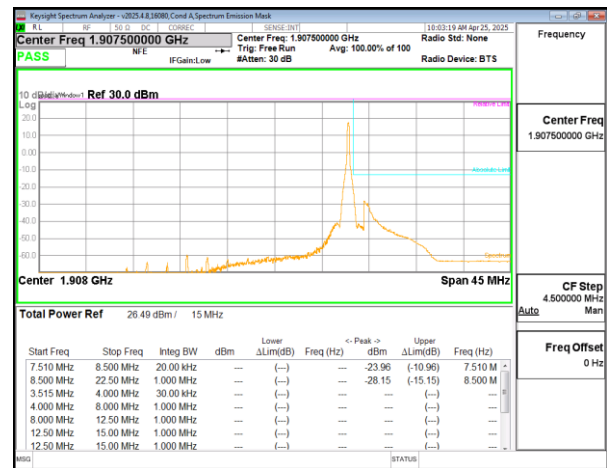
5G NR n25 10MHz BPSK Low Channel RB50-0



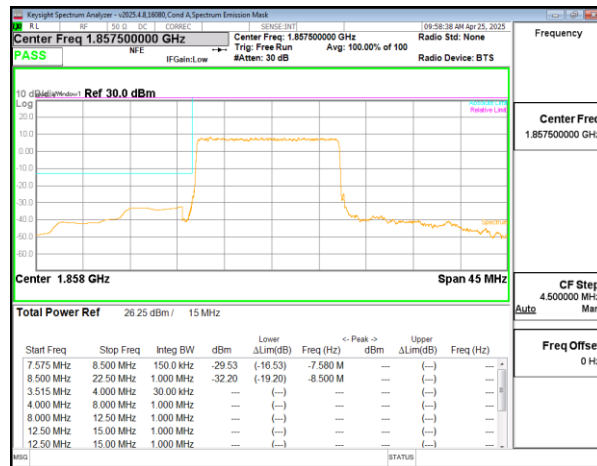
5G NR n25 10MHz BPSK High Channel RB50-0



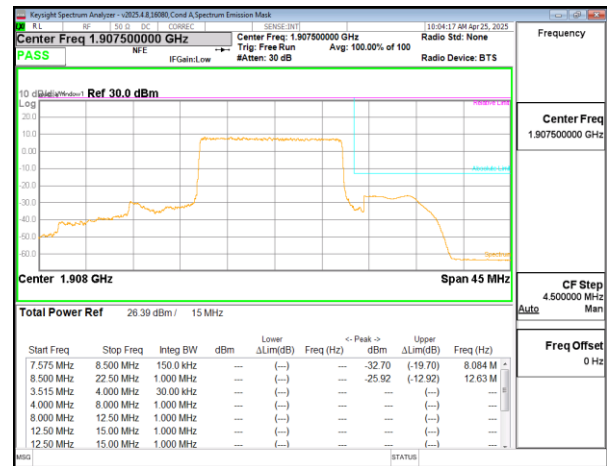
5G NR n25 15MHz BPSK Low Channel RB1-0



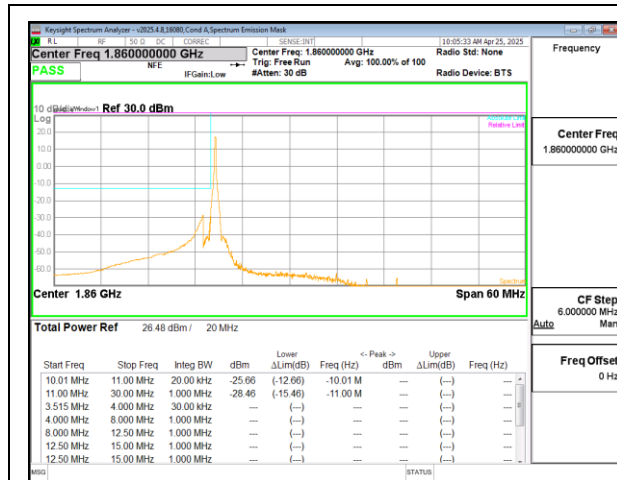
5G NR n25 15MHz BPSK High Channel RB1-78



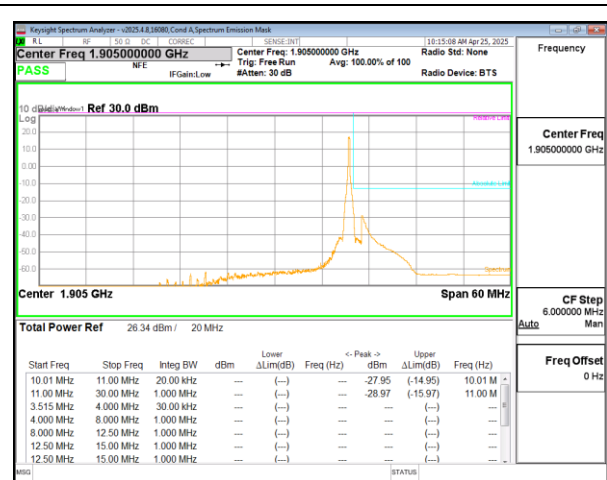
5G NR n25 15MHz BPSK Low Channel RB75-0



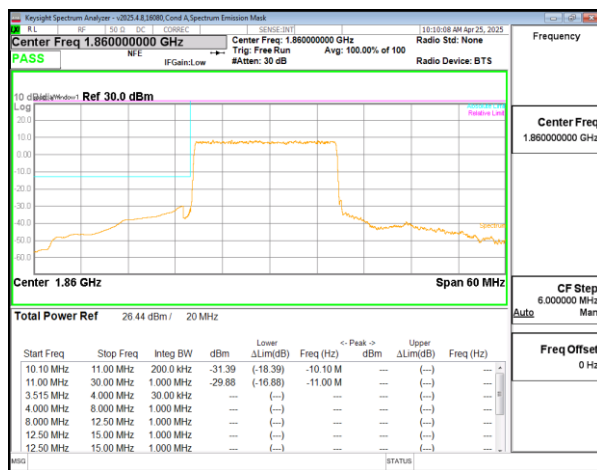
5G NR n25 15MHz BPSK High Channel RB75-0



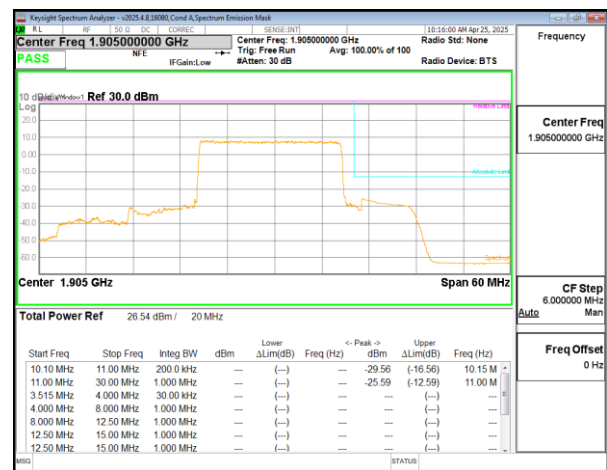
5G NR n25 20MHz BPSK Low Channel RB1-0



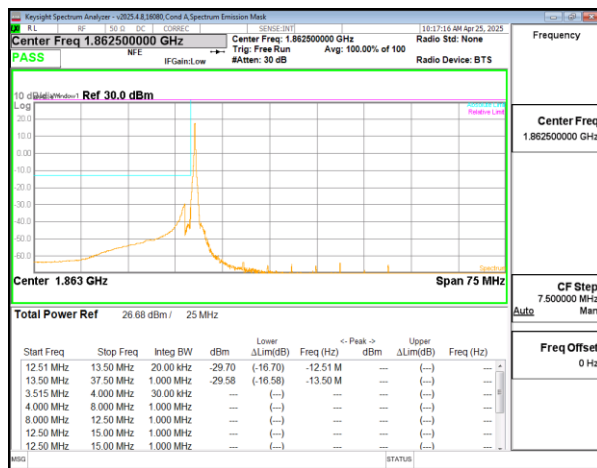
5G NR n25 20MHz BPSK High Channel RB1-105



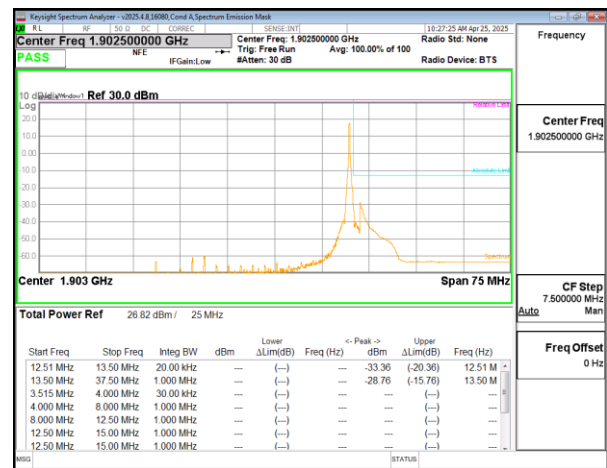
5G NR n25 20MHz BPSK Low Channel RB100-0



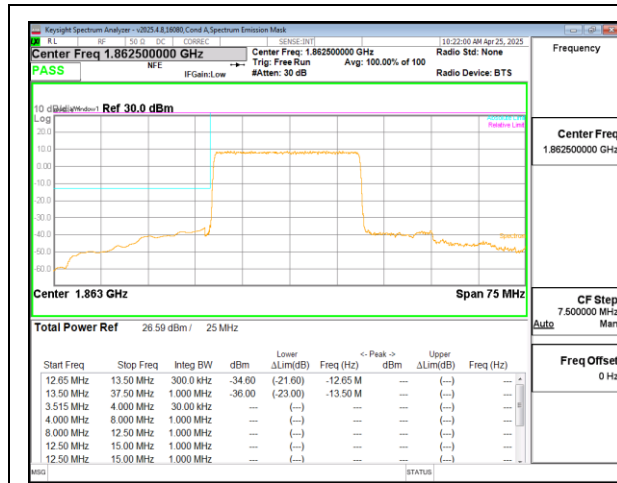
5G NR n25 20MHz BPSK High Channel RB100-0



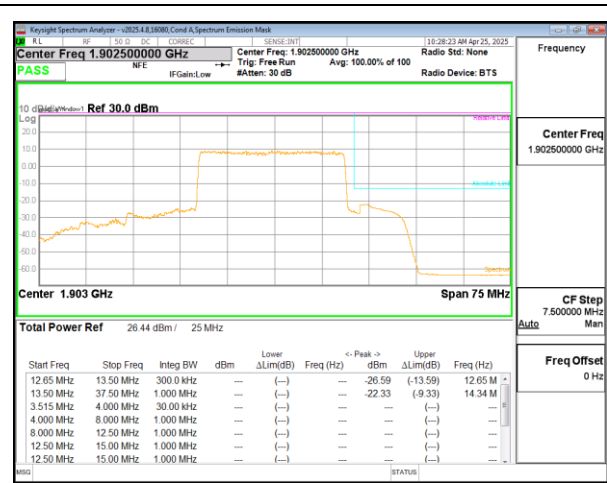
5G NR n25 25MHz BPSK Low Channel RB1-0



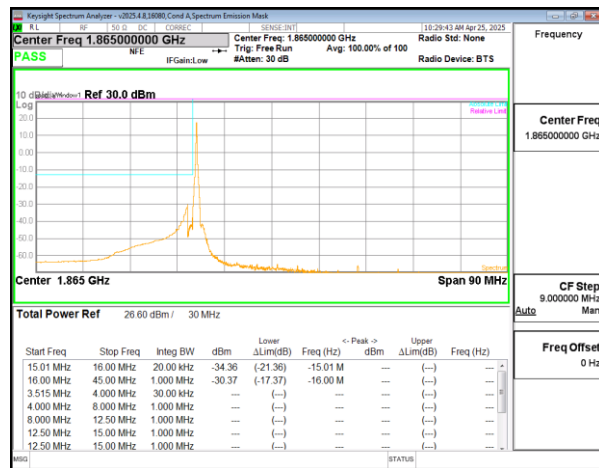
5G NR n25 25MHz BPSK High Channel RB1-132



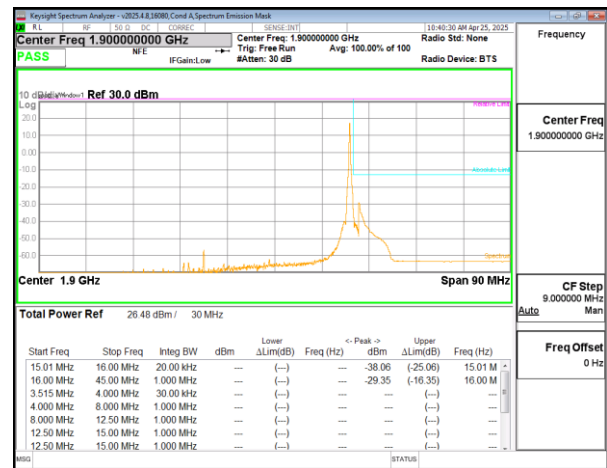
5G NR n25 25MHz BPSK Low Channel RB128-0



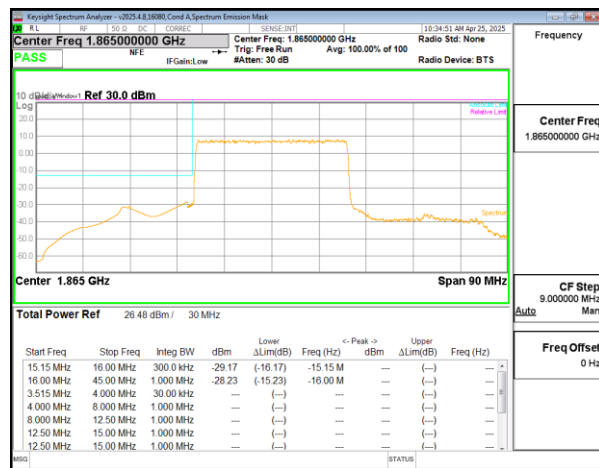
5G NR n25 25MHz BPSK High Channel RB128-0



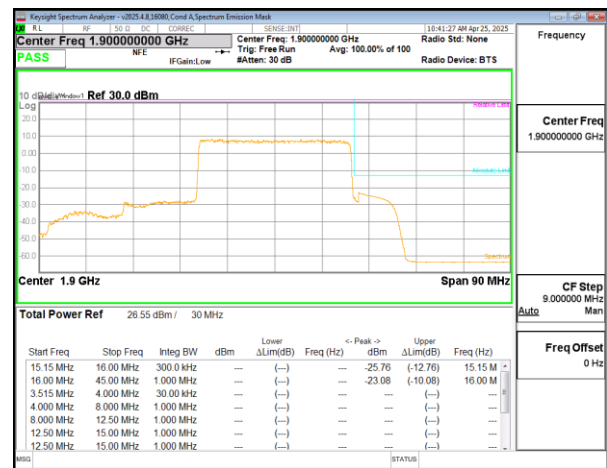
5G NR n25 30MHz BPSK Low Channel RB1-0



5G NR n25 30MHz BPSK High Channel RB1-159

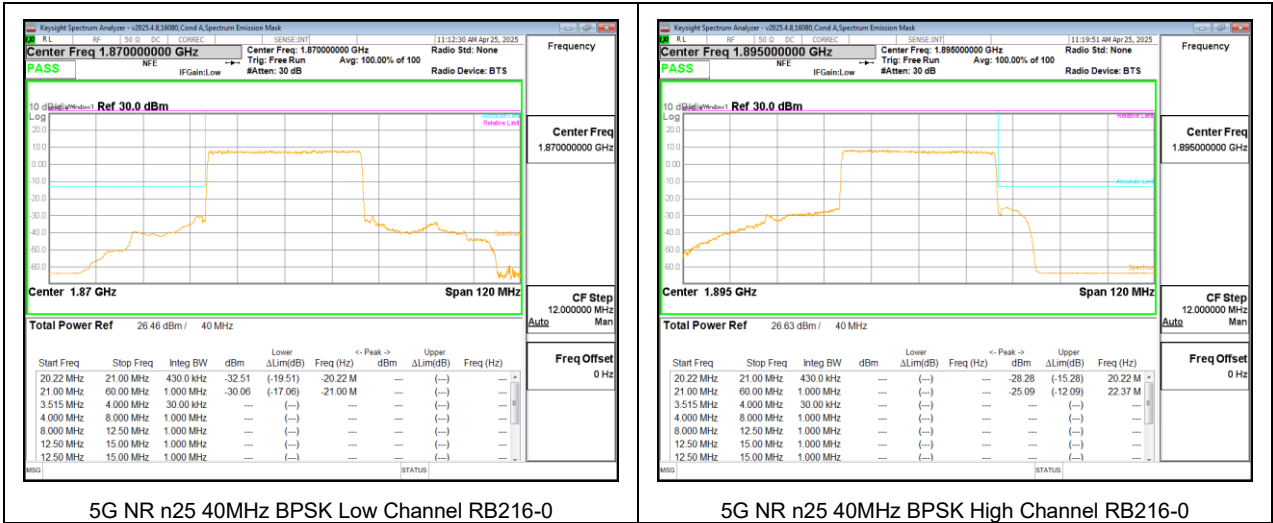


5G NR n25 30MHz BPSK Low Channel RB160-0



5G NR n25 30MHz BPSK High Channel RB160-0





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

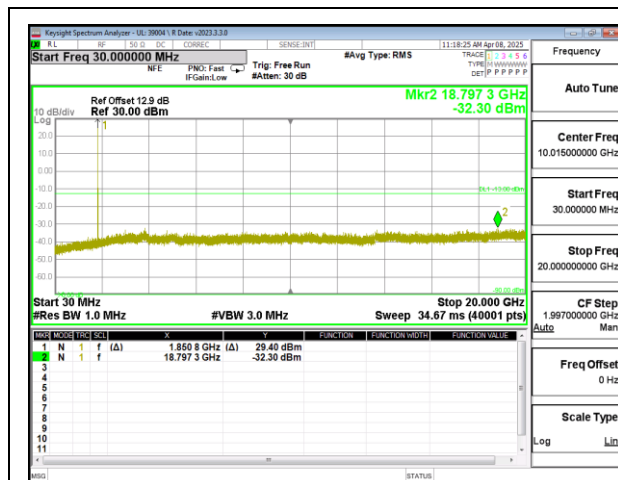
The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case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

For each out of band emissions measurement:

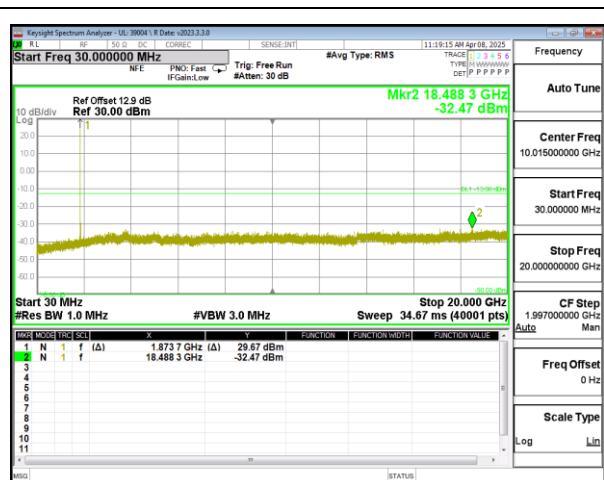
- Set display line at -13 dBm
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
(NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

RESULTS

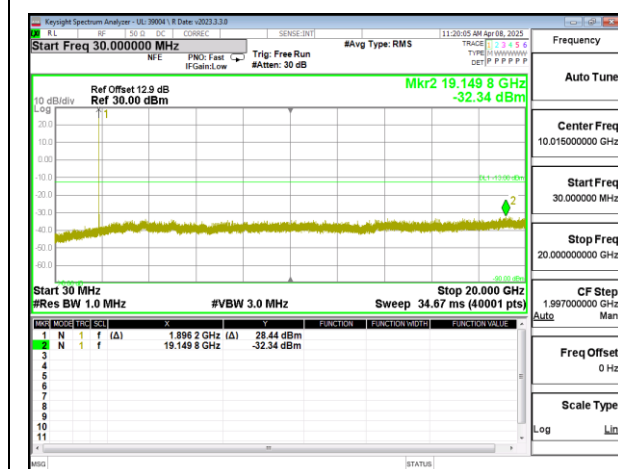
9.3.1. LTE BAND 25



LTE B25 20MHz QPSK Low Channel RB1-0



LTE B25 20MHz QPSK Middle Channel RB1-0



LTE B25 20MHz QPSK High Channel RB1-0

Intentionally Blank

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:	27700	Test Date:	2025-04-08
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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	1851.0625	1913.9321			
Extreme (50°C)		1851.0625	1913.9321	0.4	0.000	Yes
Extreme (40°C)		1851.0625	1913.9321	-2.1	-0.001	Yes
Extreme (30°C)		1851.0625	1913.9321	-2.5	-0.001	Yes
Extreme (10°C)		1851.0625	1913.9321	-1.7	-0.001	Yes
Extreme (0°C)		1851.0625	1913.9321	0.5	0.000	Yes
Extreme (-10°C)		1851.0625	1913.9321	-4.3	-0.002	Yes
Extreme (-20°C)		1851.0625	1913.9321	-1.1	-0.001	Yes
Extreme (-30°C)		1851.0625	1913.9321	-2.5	-0.001	Yes
20°C	15%	1851.0625	1913.9321	0.5	0.000	Yes
	-15%	1851.0625	1913.9321	-1.9	-0.001	Yes
	End Point Voltage	1851.0625	1913.9321	-3.3	-0.002	Yes

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

Test Engineer ID:	27700	Test Date:	2025-03-31
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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	1850.6651	1914.3100			
Extreme (50°C)		1850.6651	1914.3100	0.75	0.000	Yes
Extreme (40°C)		1850.6651	1914.3100	2.76	0.001	Yes
Extreme (30°C)		1850.6651	1914.3100	0.83	0.000	Yes
Extreme (10°C)		1850.6651	1914.3100	1.8	0.001	Yes
Extreme (0°C)		1850.6651	1914.3100	0.73	0.000	Yes
Extreme (-10°C)		1850.6651	1914.3100	-0.79	0.000	Yes
Extreme (-20°C)		1850.6651	1914.3100	-3.69	-0.002	Yes
Extreme (-30°C)		1850.6651	1914.3100	1.42	0.001	Yes
20°C	15%	1850.6651	1914.3100	-2.33	-0.001	Yes
	-15%	1850.6651	1914.3100	-1.24	-0.001	Yes
	End Point Voltage	1850.6651	1914.3100	-0.53	0.000	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.

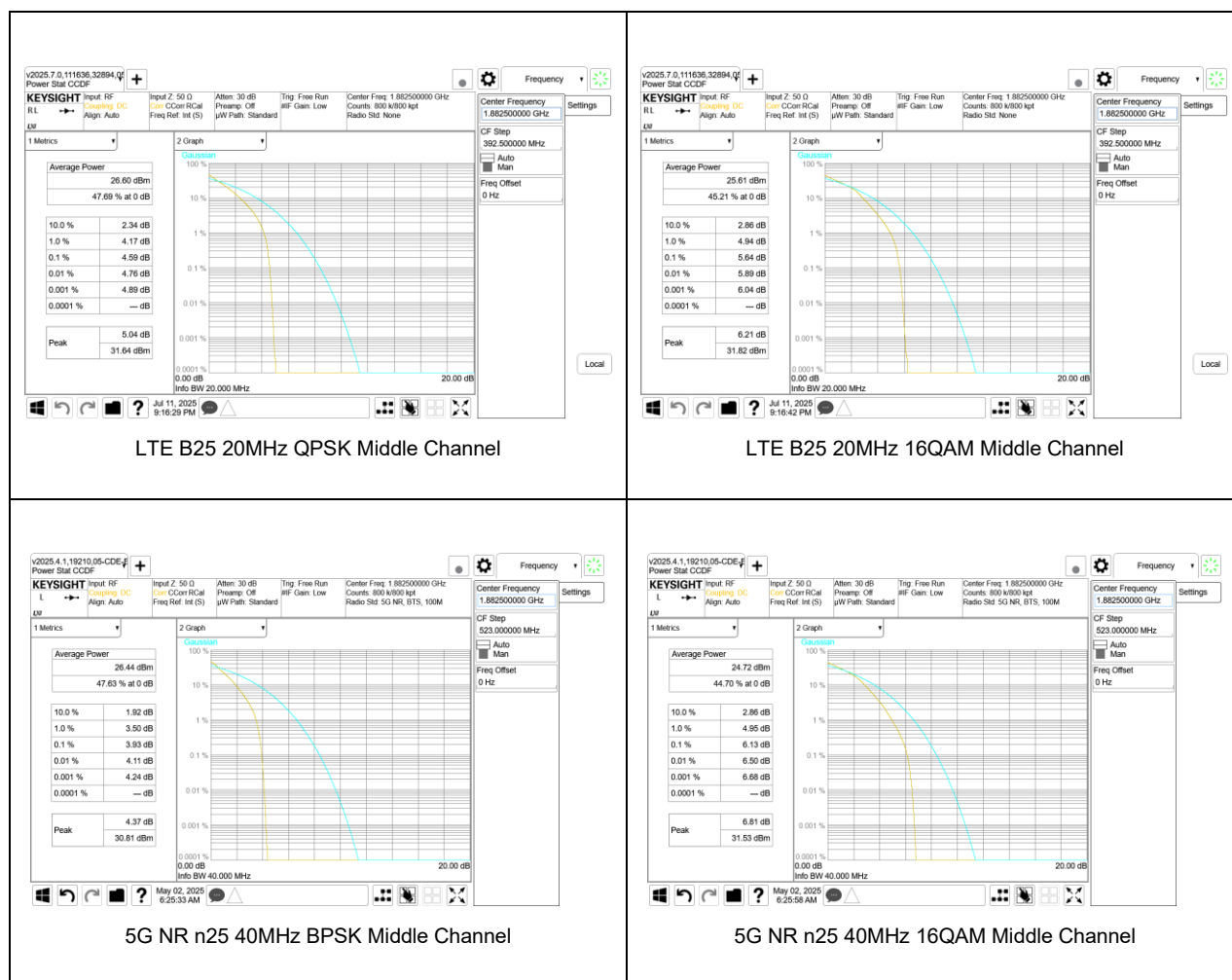
ISED: RSS133§5.5

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:	39004	Test Date:	2025-04-08
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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	31.20	26.51	4.69
					16QAM	31.72	25.58	6.14
	3MHz		15	0	QPSK	31.44	26.57	4.87
					16QAM	31.72	25.58	6.14
	5MHz		25	0	QPSK	31.53	26.57	4.96
					16QAM	31.64	25.61	6.03
	10MHz		50	0	QPSK	31.62	26.59	5.03
					16QAM	31.92	25.6	6.32
	15MHz		75	0	QPSK	31.55	26.55	5.00
					16QAM	31.65	25.6	6.05
	20MHz		100	0	QPSK	31.64	26.6	5.04
					16QAM	31.82	25.61	6.21
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:	19210	Test Date:	2025-05-01
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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	
5G NR n25	5MHz	1882.5	25	0	BPSK	30.72	26.55	4.17
					16QAM	31.72	25.06	6.66
	10MHz		50	0	BPSK	30.82	26.66	4.16
					16QAM	31.62	25.01	6.61
	15MHz		75	0	BPSK	30.90	26.64	4.26
					16QAM	31.82	25.11	6.71
	20MHz		100	0	BPSK	31.05	26.79	4.26
					16QAM	31.87	25.08	6.79
	25MHz		128	0	BPSK	31.15	26.79	4.36
					16QAM	32.04	25.11	6.93
	30MHz		160	0	BPSK	30.49	26.44	4.05
					16QAM	31.55	24.87	6.68
	35MHz		180	0	BPSK	30.72	26.44	4.28
					16QAM	31.51	24.81	6.70
	40MHz		216	0	BPSK	30.81	26.44	4.37
					16QAM	31.53	24.72	6.81
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.

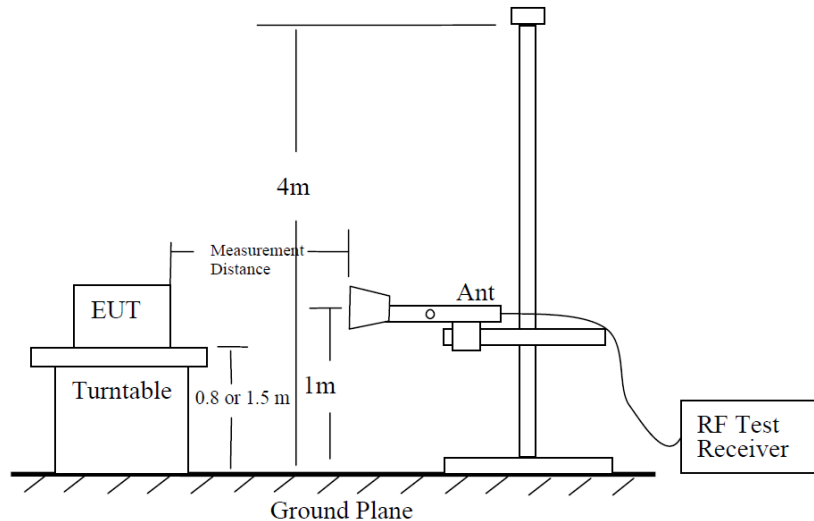


Figure 6 —Test site-up for radiated ERP and/or EIRP measurements

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.

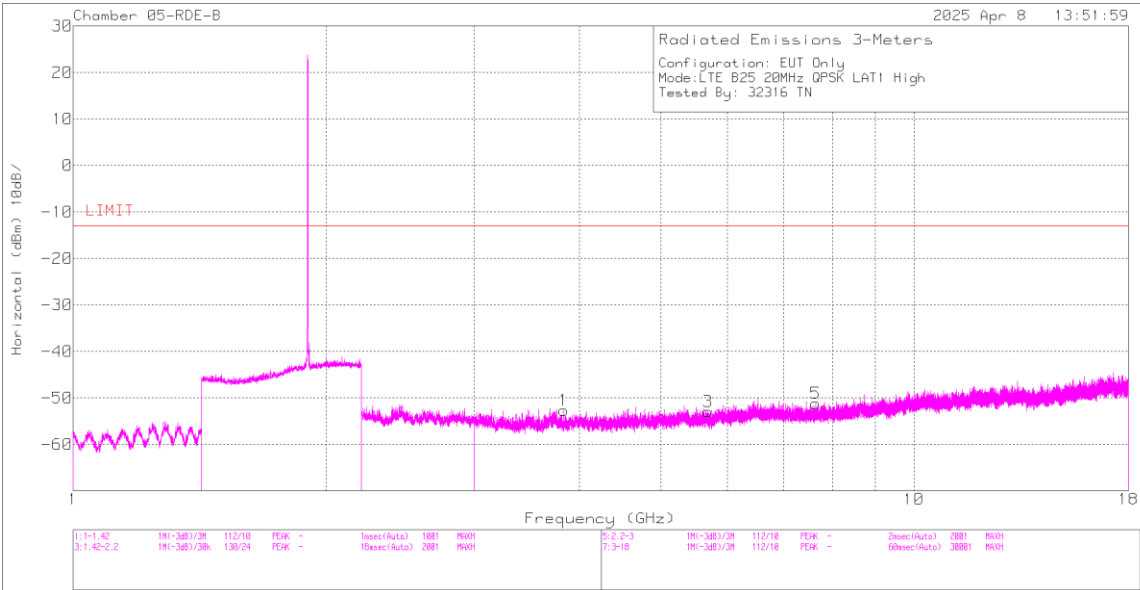
So, from d)

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

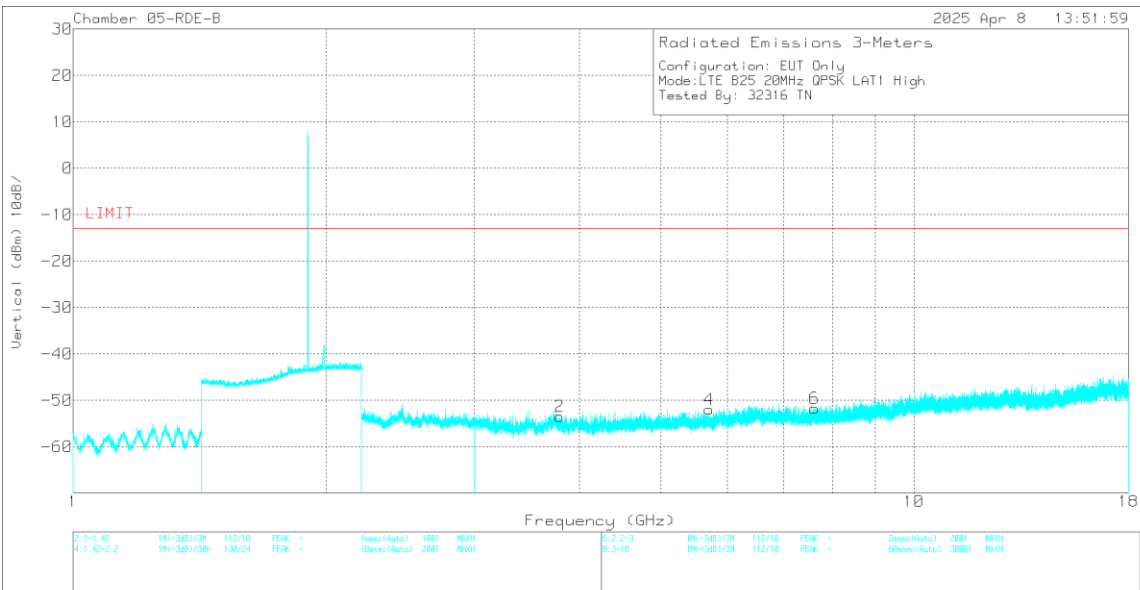
Then, $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 9.5424 - 104.8 = E \text{ (dB}\mu\text{V/m)} - 95.2576$

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



Horizontal Polarity



Vertical Polarity

Trace Markers

Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
3.835000	55.85	Pk	33.4	-95.2	-46.66	-52.61	-13	-39.61	H
3.790500	55.07	Pk	33.3	-95.2	-46.68	-53.51	-13	-40.51	V
5.689500	54.72	Pk	34.6	-95.2	-47	-52.88	-13	-39.88	H
5.706500	55.72	Pk	34.7	-95.2	-47.15	-51.93	-13	-38.93	V
7.638000	54.62	Pk	35.8	-95.2	-46.43	-51.21	-13	-38.21	H
7.614000	54.06	Pk	35.8	-95.2	-46.42	-51.76	-13	-38.76	V

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 3)

Date:	2025-04-08
Test Engineer:	32316
Configuration:	EUT Only
Mode:	LTE B25 20MHz QPSK
Chamber #:	05-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1860 MHz									
3.701000	56.45	Pk	33.2	-95.2	-47.22	-52.77	-13	-39.77	H
3.744500	55.68	Pk	33.3	-95.2	-46.74	-52.96	-13	-39.96	V
5.593500	55.57	Pk	34.6	-95.2	-47.27	-52.30	-13	-39.30	H
5.605000	55.32	Pk	34.6	-95.2	-47.32	-52.60	-13	-39.60	V
7.463500	53.85	Pk	35.7	-95.2	-46.56	-52.21	-13	-39.21	H
7.427500	54.51	Pk	35.6	-95.2	-46.6	-51.69	-13	-38.69	V
Mid Channel, 1882.5MHz									
3.750000	55.54	Pk	33.3	-95.2	-46.93	-53.29	-13	-40.29	H
3.773000	55.66	Pk	33.3	-95.2	-46.79	-53.03	-13	-40.03	V
5.662500	55.90	Pk	34.6	-95.2	-47.24	-51.94	-13	-38.94	H
5.673000	55.60	Pk	34.6	-95.2	-47.13	-52.13	-13	-39.13	V
7.576500	54.22	Pk	35.8	-95.2	-46.43	-51.61	-13	-38.61	H
7.555500	55.00	Pk	35.7	-95.2	-46.51	-51.01	-13	-38.01	V
High Channel, 1905MHz									
3.835000	55.85	Pk	33.4	-95.2	-46.66	-52.61	-13	-39.61	H
3.790500	55.07	Pk	33.3	-95.2	-46.68	-53.51	-13	-40.51	V
5.689500	54.72	Pk	34.6	-95.2	-47	-52.88	-13	-39.88	H
5.706500	55.72	Pk	34.7	-95.2	-47.15	-51.93	-13	-38.93	V
7.638000	54.62	Pk	35.8	-95.2	-46.43	-51.21	-13	-38.21	H
7.614000	54.06	Pk	35.8	-95.2	-46.42	-51.76	-13	-38.76	V

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

Date:	2025-07-10
Test Engineer:	32703
Configuration:	EUT Only
Mode:	LTE B25 20MHz QPSK
Chamber #:	03-RDE-C

Frequency (MHz)	Meter Reading (dBuV)	Det	84797ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1860 MHz									
3.700500	52.22	Pk	32.9	-95.2	-45.59	-55.67	-13	-42.67	H
3.700500	52.49	Pk	32.9	-95.2	-45.59	-55.40	-13	-42.40	V
5.550500	52.83	Pk	34.7	-95.2	-45.81	-53.48	-13	-40.48	H
5.550500	52.04	Pk	34.7	-95.2	-45.81	-54.27	-13	-41.27	V
7.400500	53.17	Pk	35.5	-95.2	-45.37	-51.90	-13	-38.90	H
7.400500	51.89	Pk	35.5	-95.2	-45.37	-53.18	-13	-40.18	V
Mid Channel, 1882.5MHz									
3.745500	52.71	Pk	32.9	-95.2	-45.52	-55.11	-13	-42.11	H
3.745500	52.16	Pk	32.9	-95.2	-45.52	-55.66	-13	-42.66	V
5.617500	50.48	Pk	34.8	-95.2	-46.13	-56.05	-13	-43.05	H
5.617500	50.81	Pk	34.8	-95.2	-46.13	-55.72	-13	-42.72	V
7.490000	52.1	Pk	35.6	-95.2	-45.36	-52.86	-13	-39.86	H
7.490000	51.05	Pk	35.6	-95.2	-45.36	-53.91	-13	-40.91	V
High Channel, 1905MHz									
3.790000	50.52	Pk	32.9	-95.2	-45.19	-56.97	-13	-43.97	H
3.790000	51.87	Pk	32.9	-95.2	-45.19	-55.62	-13	-42.62	V
5.685500	50.69	Pk	34.9	-95.2	-45.57	-55.18	-13	-42.18	H
5.685500	52.64	Pk	34.9	-95.2	-45.57	-53.23	-13	-40.23	V
7.580500	50.82	Pk	35.6	-95.2	-44.83	-53.61	-13	-40.61	H
7.580500	51.22	Pk	35.6	-95.2	-44.83	-53.21	-13	-40.21	V

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

Date:	2025-07-18
Test Engineer:	103479
Configuration:	EUT Only
Mode:	LTE B25 20MHz QPSK
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1860 MHz									
3.702500	56.27	Pk	33	-95.2	-47.05	-52.98	-13	-39.98	H
3.724500	54.77	Pk	33.1	-95.2	-47	-54.33	-13	-41.33	V
7.418000	55.89	Pk	35.6	-95.2	-47.5	-51.21	-13	-38.21	H
7.441500	55.72	Pk	35.7	-95.2	-47.7	-51.48	-13	-38.48	V
5.593000	55.91	Pk	34.4	-95.2	-48.1	-52.99	-13	-39.99	H
5.585000	56.05	Pk	34.4	-95.2	-48.3	-53.05	-13	-40.05	V
Mid Channel, 1882.5MHz									
3.787000	55.47	Pk	33.2	-95.2	-47.7	-54.23	-13	-41.23	H
3.780000	55.83	Pk	33.2	-95.2	-47.6	-53.77	-13	-40.77	V
5.650000	56.1	Pk	34.5	-95.2	-47.9	-52.50	-13	-39.50	H
5.649000	56.36	Pk	34.5	-95.2	-47.9	-52.24	-13	-39.24	V
7.553500	55.6	Pk	35.7	-95.2	-47.35	-51.25	-13	-38.25	H
7.525500	55.9	Pk	35.7	-95.2	-47.65	-51.25	-13	-38.25	V
High Channel, 1905MHz									
3.833000	56.23	Pk	33.3	-95.2	-47.5	-53.17	-13	-40.17	H
3.802000	57.95	Pk	33.2	-95.2	-47.7	-51.75	-13	-38.75	V
5.708000	56.33	Pk	34.5	-95.2	-47.7	-52.07	-13	-39.07	H
5.731500	56.92	Pk	34.6	-95.2	-47.7	-51.38	-13	-38.38	V
7.631500	55.57	Pk	35.7	-95.2	-47	-50.93	-13	-37.93	H
7.641500	56.61	Pk	35.8	-95.2	-47	-49.79	-13	-36.79	V

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

Date:	2022-04-30
Test Engineer:	111411
Configuration:	EUT Only
Mode:	LTE B25 20MHz QPSK
Chamber #:	03-RDE-A

Frequency (MHz)	Meter Reading (dBuV)	Det	226673ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1860 MHz									
3.735000	57.18	Pk	33.3	-95.2	-47.2	-51.92	-13	-38.92	H
3.697000	55.78	Pk	33.2	-95.2	-47.1	-53.32	-13	-40.32	V
5.557500	56.09	Pk	34.4	-95.2	-46.9	-51.61	-13	-38.61	H
5.555000	55.88	Pk	34.4	-95.2	-47	-51.92	-13	-38.92	V
7.459500	55.28	Pk	35.8	-95.2	-46.15	-50.27	-13	-37.27	H
7.446500	54.62	Pk	35.8	-95.2	-46.2	-50.98	-13	-37.98	V
Mid Channel, 1882.5MHz									
3.757000	55.22	Pk	33.4	-95.2	-47.1	-53.68	-13	-40.68	H
3.731000	55.92	Pk	33.3	-95.2	-47.2	-53.18	-13	-40.18	V
5.644500	54.65	Pk	34.4	-95.2	-47.15	-53.30	-13	-40.30	H
5.620500	55.70	Pk	34.4	-95.2	-47.1	-52.20	-13	-39.20	V
7.530500	54.40	Pk	35.9	-95.2	-45.9	-50.80	-13	-37.80	H
7.504000	55.51	Pk	35.8	-95.2	-46.2	-50.09	-13	-37.09	V
High Channel, 1905MHz									
3.825000	55.19	Pk	33.5	-95.2	-47	-53.51	-13	-40.51	H
3.807000	55.50	Pk	33.5	-95.2	-46.8	-53.00	-13	-40.00	V
5.709000	54.77	Pk	34.6	-95.2	-47	-52.83	-13	-39.83	H
5.694000	54.43	Pk	34.5	-95.2	-46.9	-53.17	-13	-40.17	V
7.633500	54.02	Pk	35.9	-95.2	-44.85	-50.13	-13	-37.13	H
7.579500	53.88	Pk	35.9	-95.2	-45.25	-50.67	-13	-37.67	V

10.1.2. 5G NR n25

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

Date:	2025-05-14
Test Engineer:	45258
Configuration:	EUT Only
Mode:	5G NR n25 40MHz BPSK
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1870 MHz									
3.738500	55.41	Pk	33.1	-95.2	-47.25	-53.94	-13	-40.94	H
3.739000	54.76	Pk	33.1	-95.2	-47.3	-54.64	-13	-41.64	V
5.610500	54.78	Pk	34.4	-95.2	-48.25	-54.27	-13	-41.27	H
5.612500	55.36	Pk	34.4	-95.2	-48.2	-53.64	-13	-40.64	V
7.478500	55.23	Pk	35.7	-95.2	-47.85	-52.12	-13	-39.12	H
7.480000	54.97	Pk	35.7	-95.2	-47.8	-52.33	-13	-39.33	V
Mid Channel, 1882.5MHz									
3.766000	55.55	Pk	33.1	-95.2	-47.5	-54.05	-13	-41.05	H
3.766500	55.24	Pk	33.1	-95.2	-47.5	-54.36	-13	-41.36	V
5.647500	56.68	Pk	34.5	-95.2	-47.9	-51.92	-13	-38.92	H
5.648500	55.48	Pk	34.5	-95.2	-47.9	-53.12	-13	-40.12	V
7.538000	56.07	Pk	35.7	-95.2	-47.6	-51.03	-13	-38.03	H
7.530500	54.66	Pk	35.7	-95.2	-47.7	-52.54	-13	-39.54	V
High Channel, 1995MHz									
3.790000	56.54	Pk	33.2	-95.2	-47.7	-53.16	-13	-40.16	H
3.790500	54.66	Pk	33.2	-95.2	-47.65	-54.99	-13	-41.99	V
5.685500	56.49	Pk	34.5	-95.2	-48	-52.21	-13	-39.21	H
5.684500	55.25	Pk	34.5	-95.2	-48	-53.45	-13	-40.45	V
7.580500	55.37	Pk	35.7	-95.2	-47	-51.13	-13	-38.13	H
7.580000	54.61	Pk	35.7	-95.2	-47	-51.89	-13	-38.89	V

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

Date:	2025-07-17
Test Engineer:	45258
Configuration:	EUT Only
Mode:	5G NR n25 40MHz BPSK
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1870MHz									
3.750000	55.63	Pk	33.1	-95.2	-47.5	-53.97	-13	-40.97	H
3.753000	57.02	Pk	33.1	-95.2	-47.6	-52.68	-13	-39.68	V
5.552500	60.47	Pk	34.4	-95.2	-48.35	-48.68	-13	-35.68	H
5.552000	60.82	Pk	34.4	-95.2	-48.4	-48.38	-13	-35.38	V
7.478000	55.75	Pk	35.7	-95.2	-47.9	-51.65	-13	-38.65	H
7.4785000	55.58	Pk	35.7	-95.2	-47.85	-51.77	-13	-38.77	V
Mid Channel, 1882.5MHz									
3.767500	56.36	Pk	33.1	-95.2	-47.5	-53.24	-13	-40.24	H
3.763500	56.01	Pk	33.1	-95.2	-47.6	-53.69	-13	-40.69	V
5.590000	59.47	Pk	34.4	-95.2	-48.2	-49.53	-13	-36.53	H
5.590000	63.88	Pk	34.4	-95.2	-48.2	-45.12	-13	-32.12	V
7.531000	54.86	Pk	35.7	-95.2	-47.7	-52.34	-13	-39.34	H
7.533000	55.51	Pk	35.7	-95.2	-47.6	-51.59	-13	-38.59	V
High Channel, 1895MHz									
3.775000	55.35	Pk	33.2	-95.2	-47.7	-54.35	-13	-41.35	H
3.775500	56.38	Pk	33.2	-95.2	-47.7	-53.32	-13	-40.32	V
5.627000	60.09	Pk	34.5	-95.2	-48.1	-48.71	-13	-35.71	H
5.627500	60.39	Pk	34.5	-95.2	-48.1	-48.41	-13	-35.41	V
7.555000	55.25	Pk	35.7	-95.2	-47.2	-51.45	-13	-38.45	H
7.559500	55.25	Pk	35.7	-95.2	-47.2	-51.45	-13	-38.45	V

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

Date:	2025-07-17
Test Engineer:	452580
Configuration:	EUT Only
Mode:	5G NR n25 40MHz BPSK
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1870MHz									
3.743000	55.30	Pk	33.1	-95.2	-47.50	-54.30	-13	-41.30	H
3.738500	54.83	Pk	33.1	-95.2	-47.25	-54.52	-13	-41.52	V
5.552500	57.57	Pk	34.4	-95.2	-48.35	-51.58	-13	-38.58	H
5.552500	59.63	Pk	34.4	-95.2	-48.35	-49.52	-13	-36.52	V
7.476000	55.58	Pk	35.7	-95.2	-47.9	-51.82	-13	-38.82	H
7.481500	55.16	Pk	35.7	-95.2	-47.9	-52.24	-13	-39.24	V
Mid Channel, 1882.5MHz									
3.765500	55.00	Pk	33.1	-95.2	-47.55	-54.65	-13	-41.65	H
3.765500	54.88	Pk	33.1	-95.2	-47.55	-54.77	-13	-41.77	V
5.590000	57.99	Pk	34.4	-95.2	-48.2	-51.01	-13	-38.01	H
5.590500	59.82	Pk	34.4	-95.2	-48.15	-49.13	-13	-36.13	V
7.522500	56.58	Pk	35.7	-95.2	-47.7	-50.62	-13	-37.62	H
7.530000	54.95	Pk	35.7	-95.2	-47.7	-52.25	-13	-39.25	V
High Channel, 1895MHz									
3.777500	55.62	Pk	33.2	-95.2	-47.65	-54.03	-13	-41.03	H
3.779000	54.91	Pk	33.2	-95.2	-47.6	-54.69	-13	-41.69	V
5.627500	58.86	Pk	34.5	-95.2	-48.1	-49.94	-13	-36.94	H
5.627000	61.59	Pk	34.5	-95.2	-48.1	-47.21	-13	-34.21	V
7.558500	55.91	Pk	35.7	-95.2	-47.2	-50.79	-13	-37.79	H
7.555500	55.48	Pk	35.7	-95.2	-47.2	-51.22	-13	-38.22	V

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

Date:	2025-04-02
Test Engineer:	32440
Configuration:	EUT Only
Mode:	5G NR n25 40MHz BPSK
Chamber #:	05-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1870 MHz									
3.714500	54.88	Pk	33.2	-95.2	-46.87	-53.99	-13	-40.99	H
3.715500	56.19	Pk	33.2	-95.2	-46.98	-52.79	-13	-39.79	V
5.584000	54.26	Pk	34.6	-95.2	-47.18	-53.52	-13	-40.52	H
5.581500	54.15	Pk	34.6	-95.2	-47.33	-53.78	-13	-40.78	V
7.451000	53.05	Pk	35.7	-95.2	-46.5	-52.95	-13	-39.95	H
7.449500	52.78	Pk	35.7	-95.2	-46.56	-53.28	-13	-40.28	V
Mid Channel, 1882.5MHz									
3.757000	55.58	Pk	33.3	-95.2	-46.87	-53.19	-13	-40.19	H
3.754500	55.24	Pk	33.3	-95.2	-46.87	-53.53	-13	-40.53	V
5.600500	54.27	Pk	34.6	-95.2	-47.24	-53.57	-13	-40.57	H
5.603000	55.81	Pk	34.6	-95.2	-47.33	-52.12	-13	-39.12	V
7.484500	53.06	Pk	35.7	-95.2	-46.65	-53.09	-13	-40.09	H
7.487500	53.01	Pk	35.7	-95.2	-46.65	-53.14	-13	-40.14	V
High Channel, 1995MHz									
3.754000	55.36	Pk	33.3	-95.2	-46.78	-53.32	-13	-40.32	H
3.759000	55.91	Pk	33.3	-95.2	-46.8	-52.79	-13	-39.79	V
5.657000	55.07	Pk	34.6	-95.2	-47.21	-52.74	-13	-39.74	H
5.653500	55.53	Pk	34.6	-95.2	-47.29	-52.36	-13	-39.36	V
7.550500	54.54	Pk	35.7	-95.2	-46.54	-51.50	-13	-38.50	H
7.562500	54.07	Pk	35.7	-95.2	-46.47	-51.90	-13	-38.90	V

11. SETUP PHOTOS

Refer to 15496249-EP1 for setup photos.

END OF REPORT