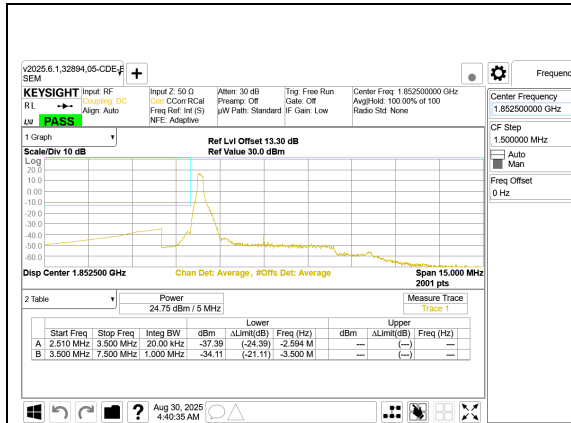
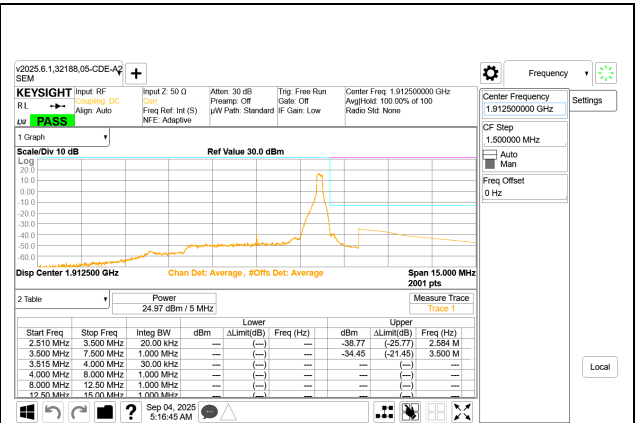


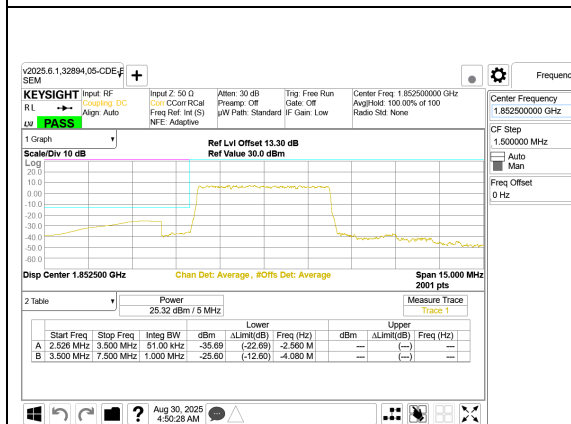
9.2.2. 5G NR n25



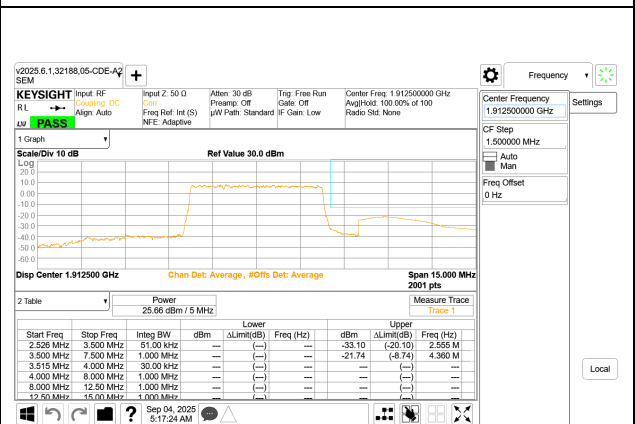
5G NR n25 5MHz BPSK Low Channel RB1-0



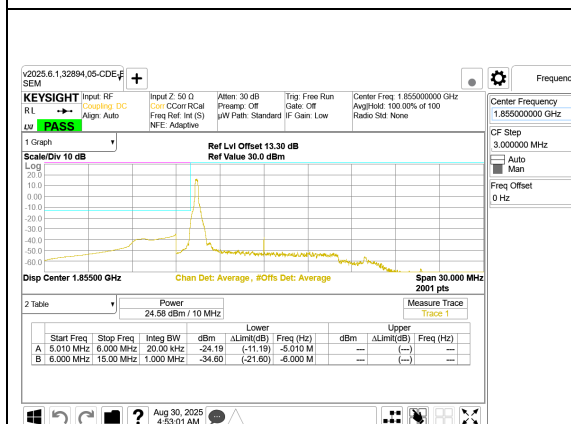
5G NR n25 5MHz BPSK High Channel RB1-24



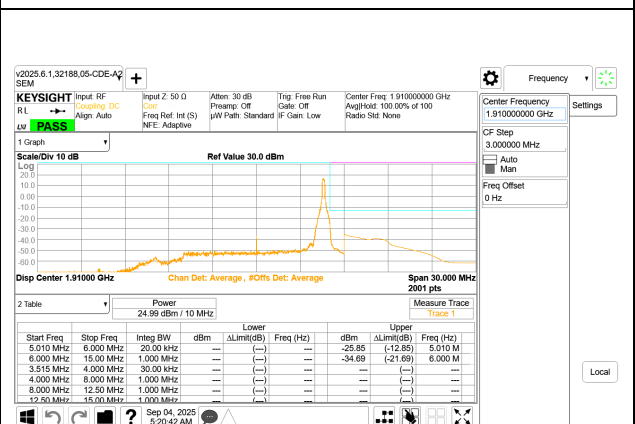
5G NR n25 5MHz BPSK Low Channel RB25-0



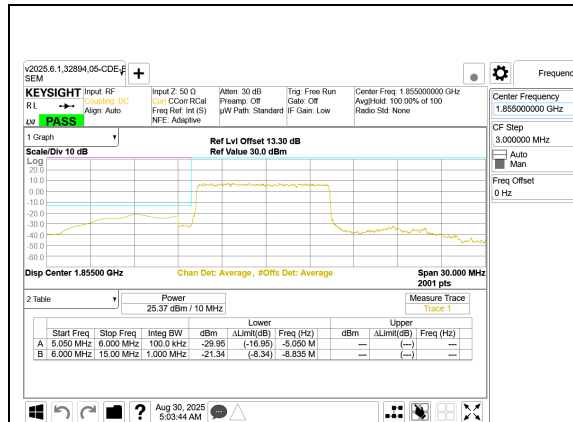
5G NR n25 5MHz BPSK High Channel RB25-0



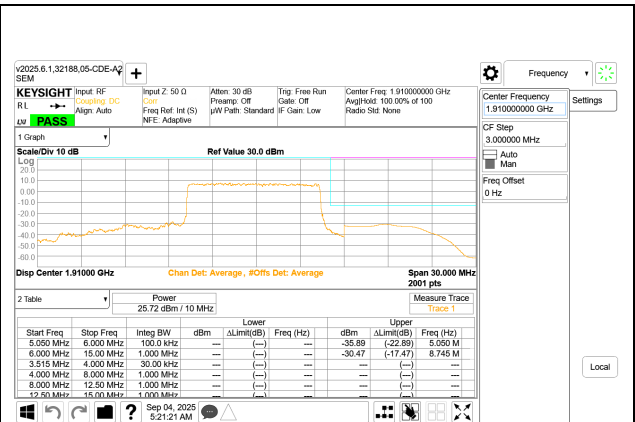
5G NR n25 10MHz BPSK Low Channel RB1-0



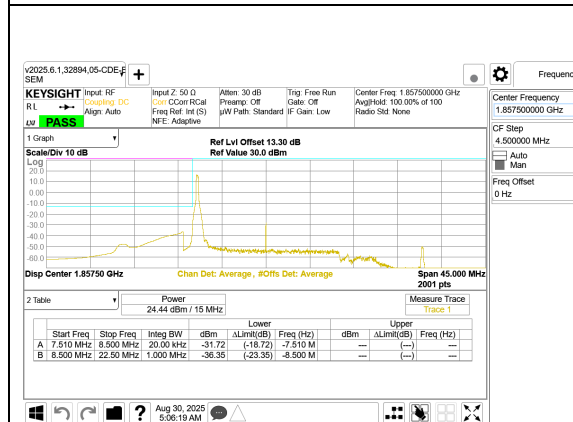
5G NR n25 10MHz BPSK High Channel RB1-51



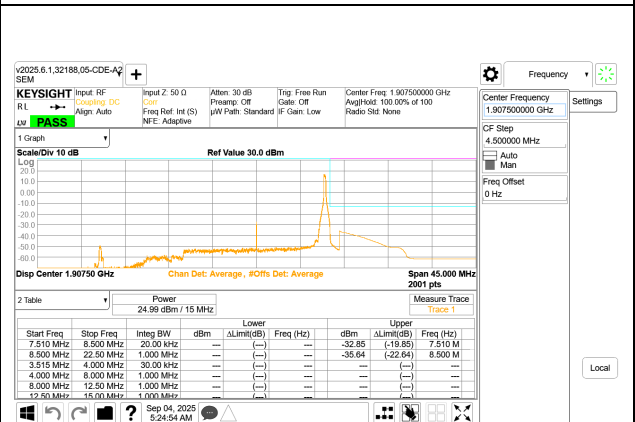
5G NR n25 10MHz BPSK Low Channel RB50-0



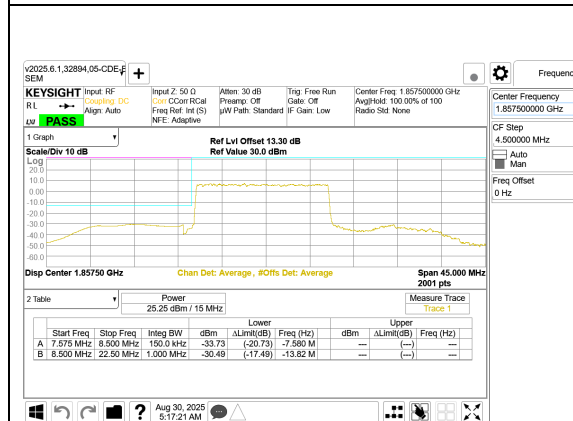
5G NR n25 10MHz BPSK High Channel RB50-0



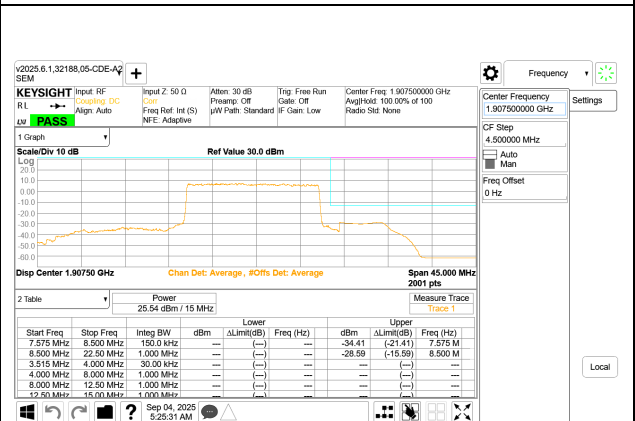
5G NR n25 15MHz BPSK Low Channel RB1-0



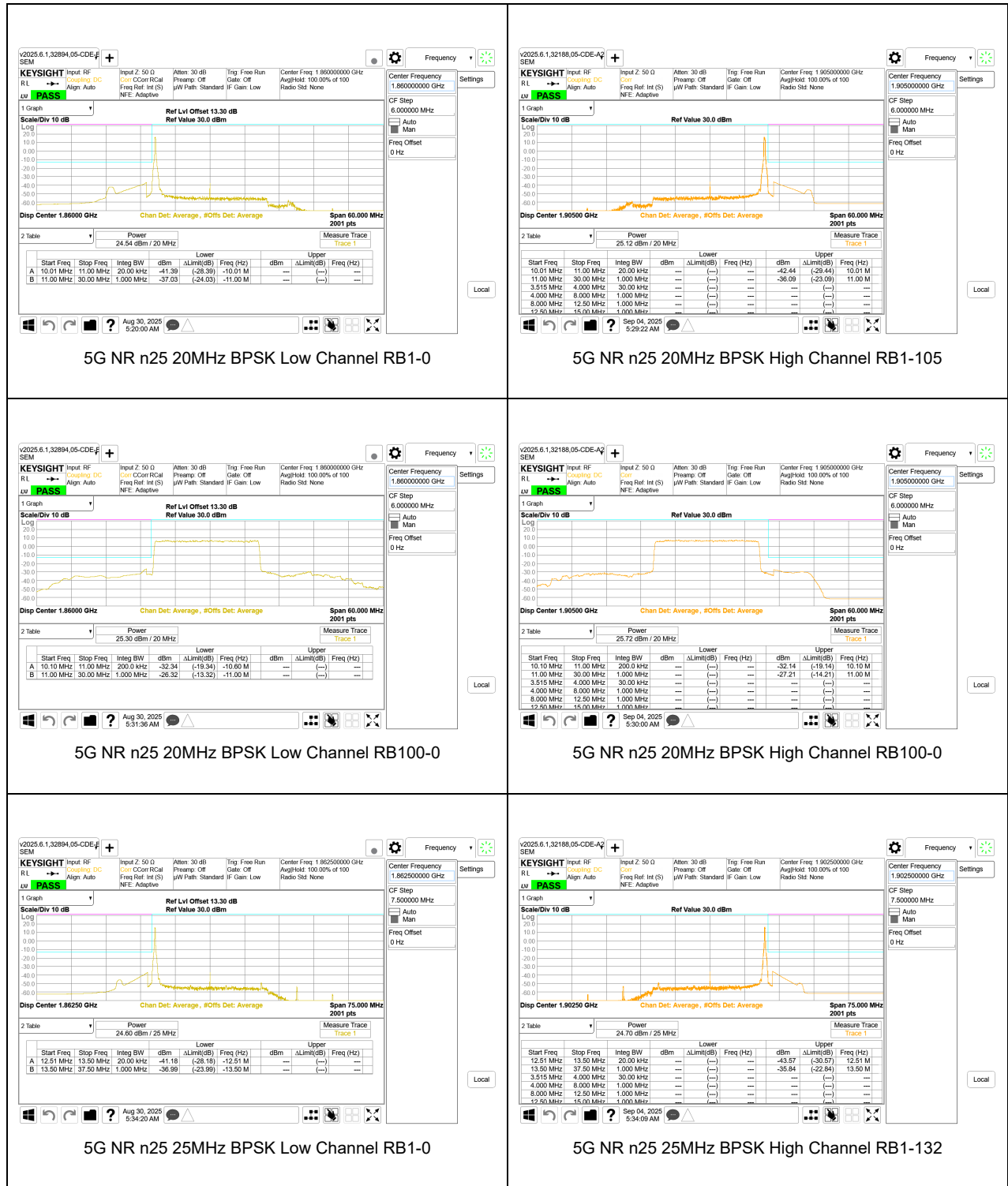
5G NR n25 15MHz BPSK High Channel RB1-78



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

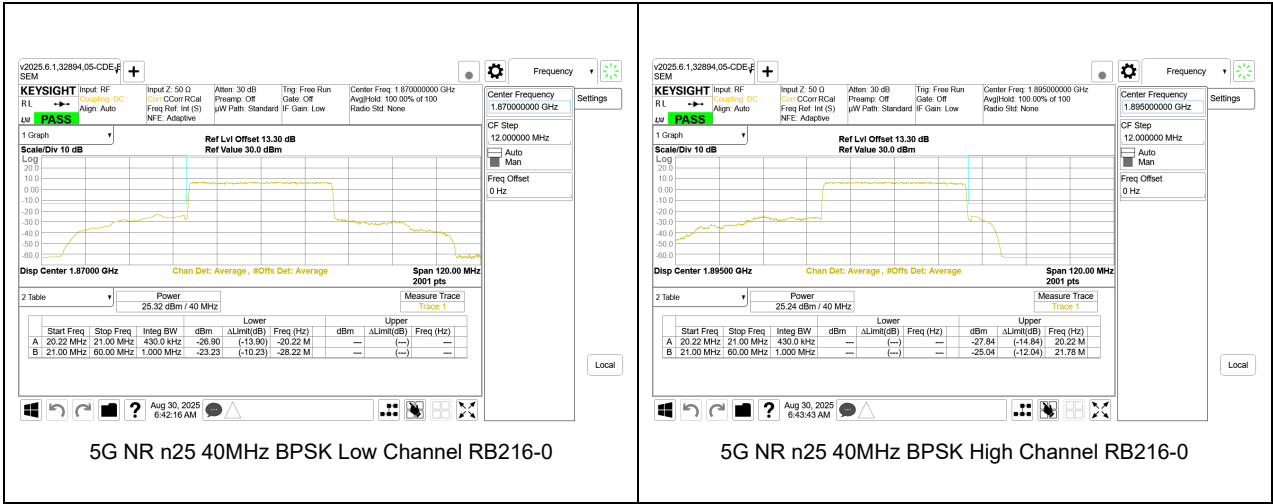


5G NR n25 15MHz BPSK High Channel RB75-0









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:

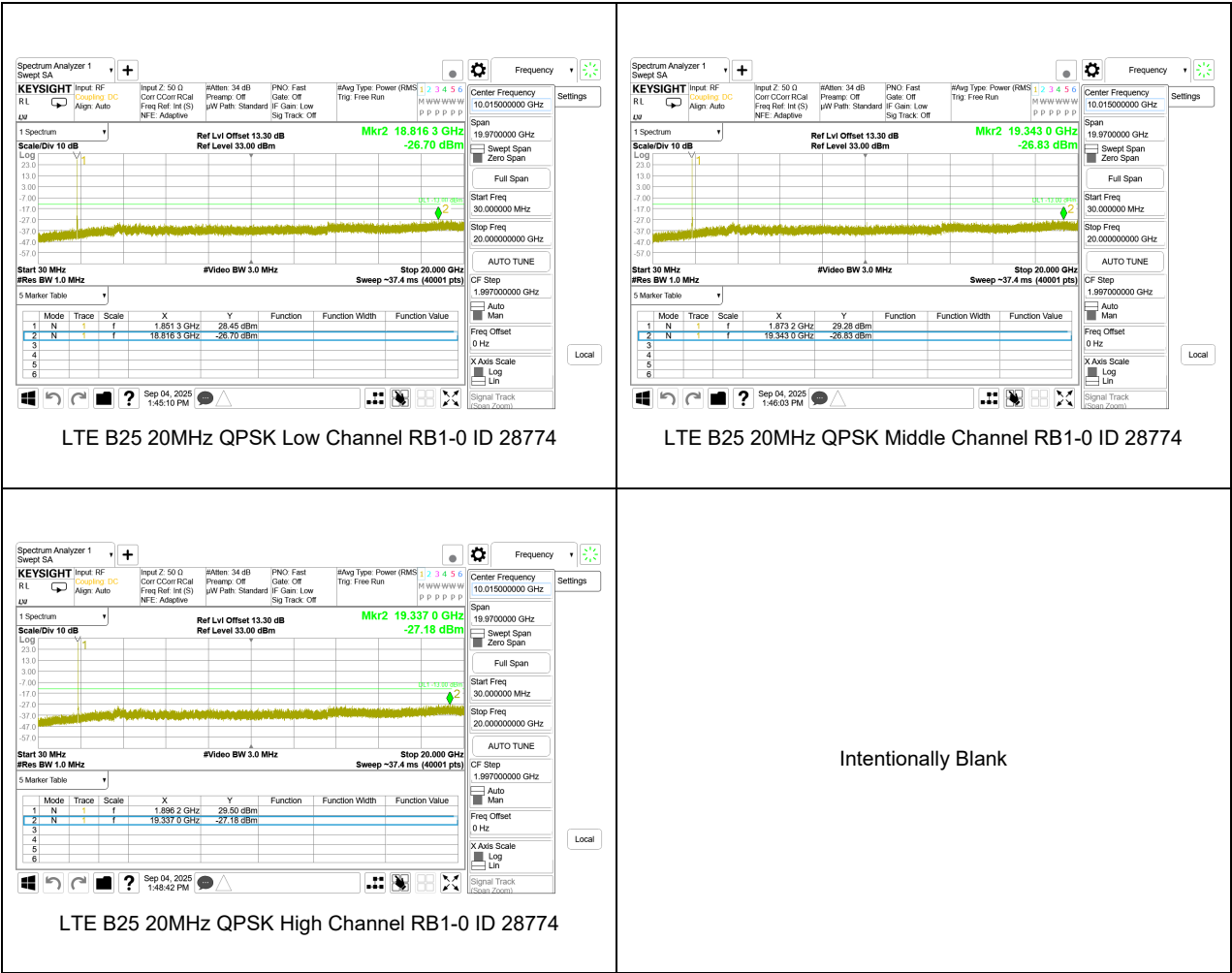
- Set display line at -13 dBm
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
(NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

RESULTS

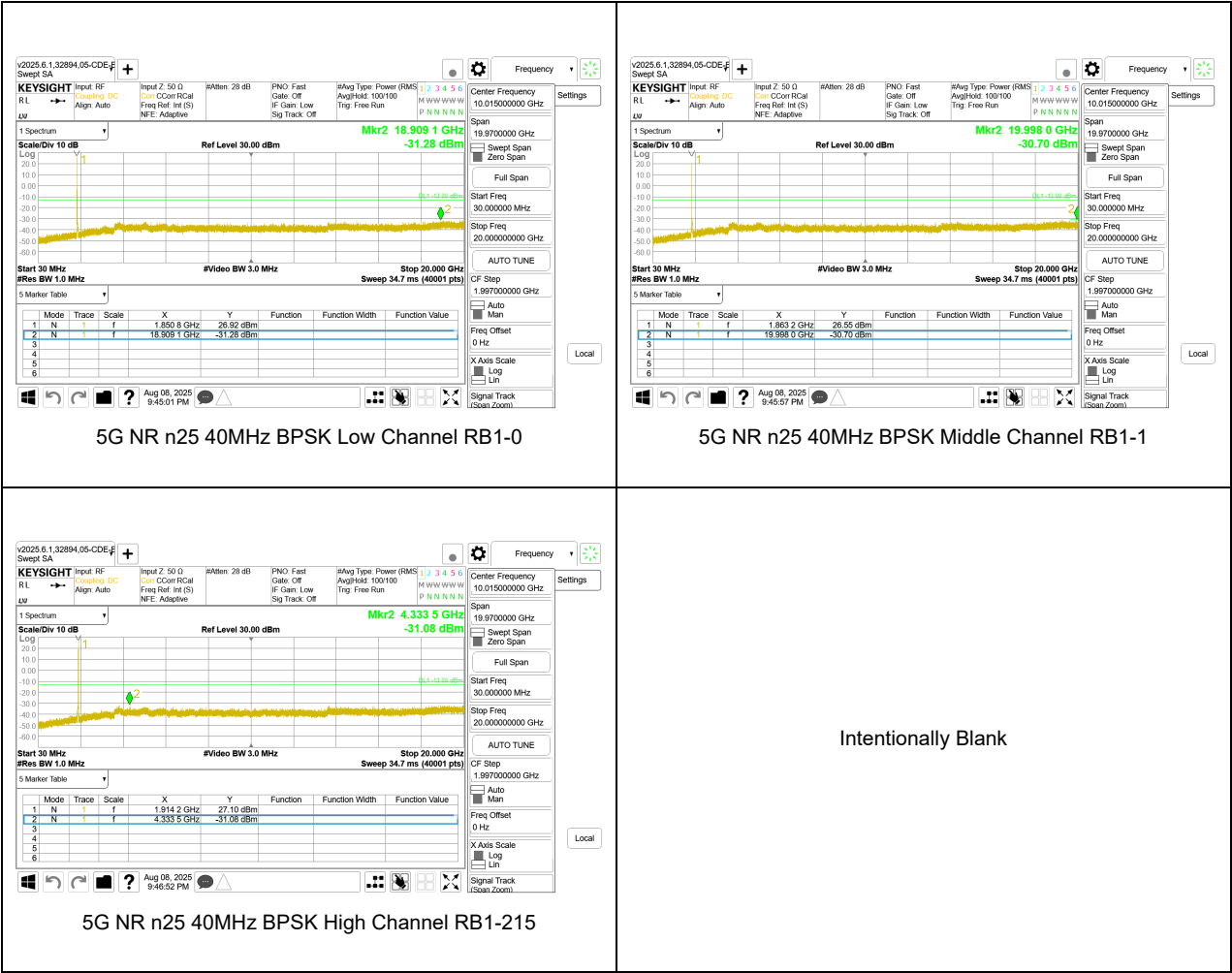
QPSK with 1RB is the highest power to all bandwidth. 1RB has the same frequency and power to all bandwidth. Therefore, QPSK with 1RB and wider bandwidths results are reported as worst case for LTE bands.

BPSK with 1RB is the highest power to all bandwidth. 1RB has the same frequency and power to all bandwidth. Therefore, BPSK with 1RB and wider bandwidths results are reported as worst case for 5G NRs.

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:	32188	Test Date:	2025-09-10
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Band	25	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1850	1915			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	1851.0642	1913.9408			
Extreme (50°C)		1851.0642	1913.9408	2.3	0.001	Yes
Extreme (40°C)		1851.0642	1913.9408	1.9	0.001	Yes
Extreme (30°C)		1851.0642	1913.9408	0.6	0.000	Yes
Extreme (10°C)		1851.0642	1913.9408	0.6	0.000	Yes
Extreme (0°C)		1851.0642	1913.9408	3.0	0.002	Yes
Extreme (-10°C)		1851.0642	1913.9408	2.9	0.002	Yes
Extreme (-20°C)		1851.0642	1913.9408	0.3	0.000	Yes
Extreme (-30°C)		1851.0642	1913.9408	4.2	0.002	Yes
20°C	15%	1851.0642	1913.9408	-0.7	0.000	Yes
	-15%	1851.0642	1913.9408	1.6	0.001	Yes
	End Point Voltage	1851.0642	1913.9408	2.3	0.001	Yes

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

Test Engineer ID:	32188	Test Date:	2025-09-12
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Band	25	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1850	1915			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	1850.7015	1914.2663			
Extreme (50°C)		1850.7015	1914.2663	-2.0	-0.001	Yes
Extreme (40°C)		1850.7015	1914.2663	-3.3	-0.002	Yes
Extreme (30°C)		1850.7015	1914.2663	3.3	0.002	Yes
Extreme (10°C)		1850.7015	1914.2663	-2.5	-0.001	Yes
Extreme (0°C)		1850.7015	1914.2663	-3.3	-0.002	Yes
Extreme (-10°C)		1850.7015	1914.2663	-2.0	-0.001	Yes
Extreme (-20°C)		1850.7015	1914.2663	-2.1	-0.001	Yes
Extreme (-30°C)		1850.7015	1914.2663	-1.2	-0.001	Yes
20°C	15%	1850.7015	1914.2663	-3.3	-0.002	Yes
	-15%	1850.7015	1914.2663	1.7	0.001	Yes
	End Point Voltage	1850.7015	1914.2663	-3.4	-0.002	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.

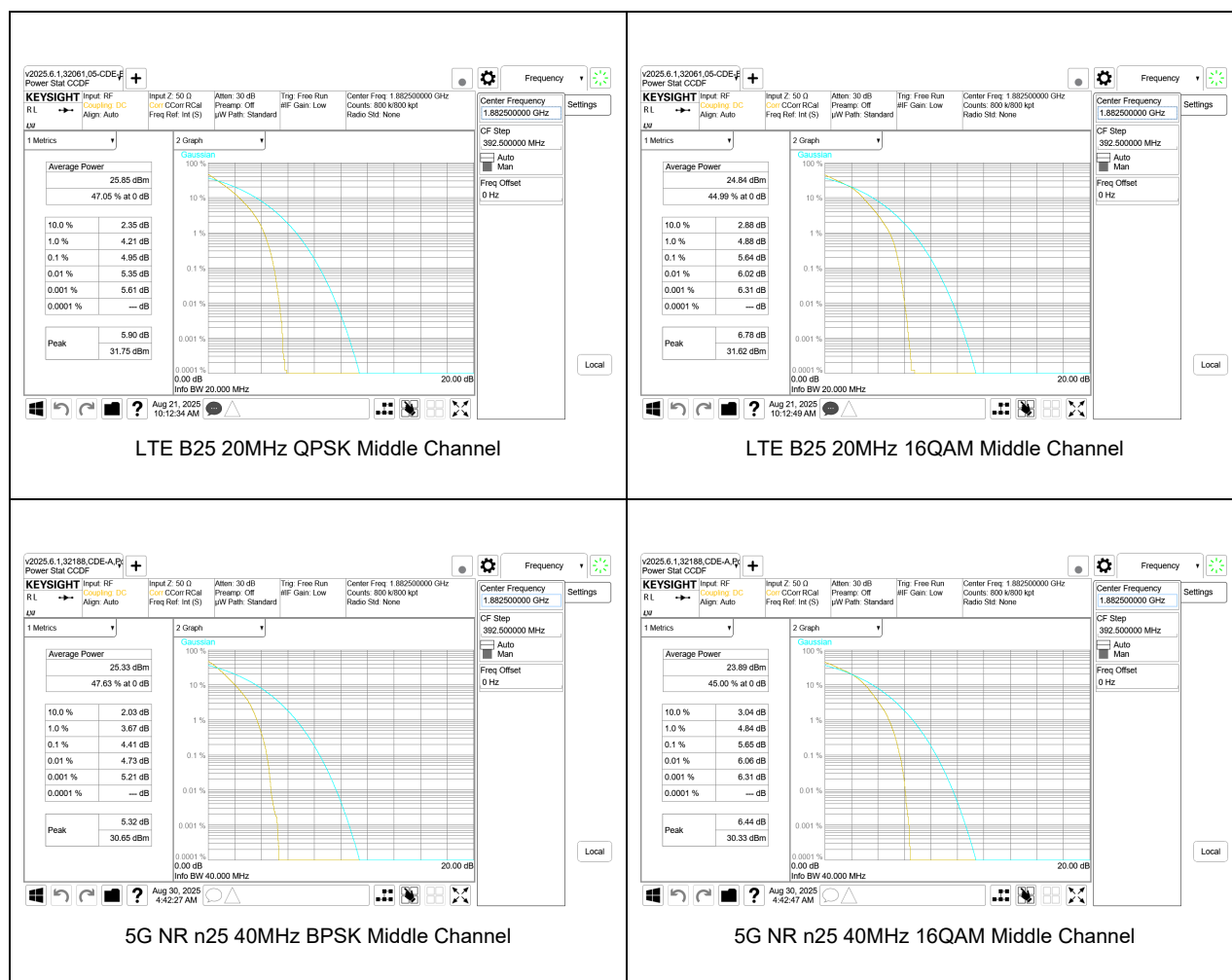
ISED: RSS133§5.5

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:	32061	Test Date:	2025-08-20
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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	31.13	25.72	5.41
					16QAM	31.00	24.68	6.32
	3MHz		15	0	QPSK	31.22	25.73	5.49
					16QAM	31.39	24.72	6.67
	5MHz		25	0	QPSK	31.30	25.83	5.47
					16QAM	31.05	24.81	6.24
	10MHz		50	0	QPSK	31.32	25.90	5.42
					16QAM	31.13	24.87	6.26
	15MHz		75	0	QPSK	31.41	25.76	5.65
					16QAM	31.14	24.79	6.35
	20MHz		100	0	QPSK	31.75	25.85	5.90
					16QAM	31.62	24.84	6.78
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:	32188	Test Date:	2025-08-29
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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	29.79	25.4	4.39
					16QAM	30.08	23.93	6.15
	10MHz		50	0	BPSK	30.05	25.42	4.63
					16QAM	30.39	23.99	6.40
	15MHz		75	0	BPSK	30.02	25.33	4.69
					16QAM	30.22	23.89	6.33
	20MHz		100	0	BPSK	30.26	25.38	4.88
					16QAM	30.17	23.90	6.27
	25MHz		128	0	BPSK	30.49	25.42	5.07
					16QAM	30.36	23.98	6.38
	30MHz		160	0	BPSK	30.09	25.35	4.74
					16QAM	30.19	23.85	6.34
	35MHz		180	0	BPSK	30.03	25.31	4.72
					16QAM	30.37	23.85	6.52
	40MHz		216	0	BPSK	30.65	25.33	5.32
					16QAM	30.33	23.89	6.44
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.

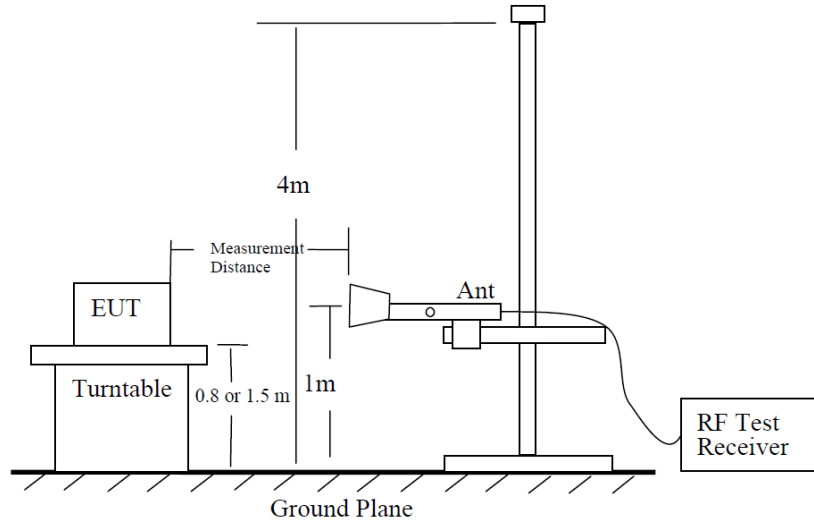


Figure 6 —Test site-up for radiated ERP and/or EIRP measurements

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.

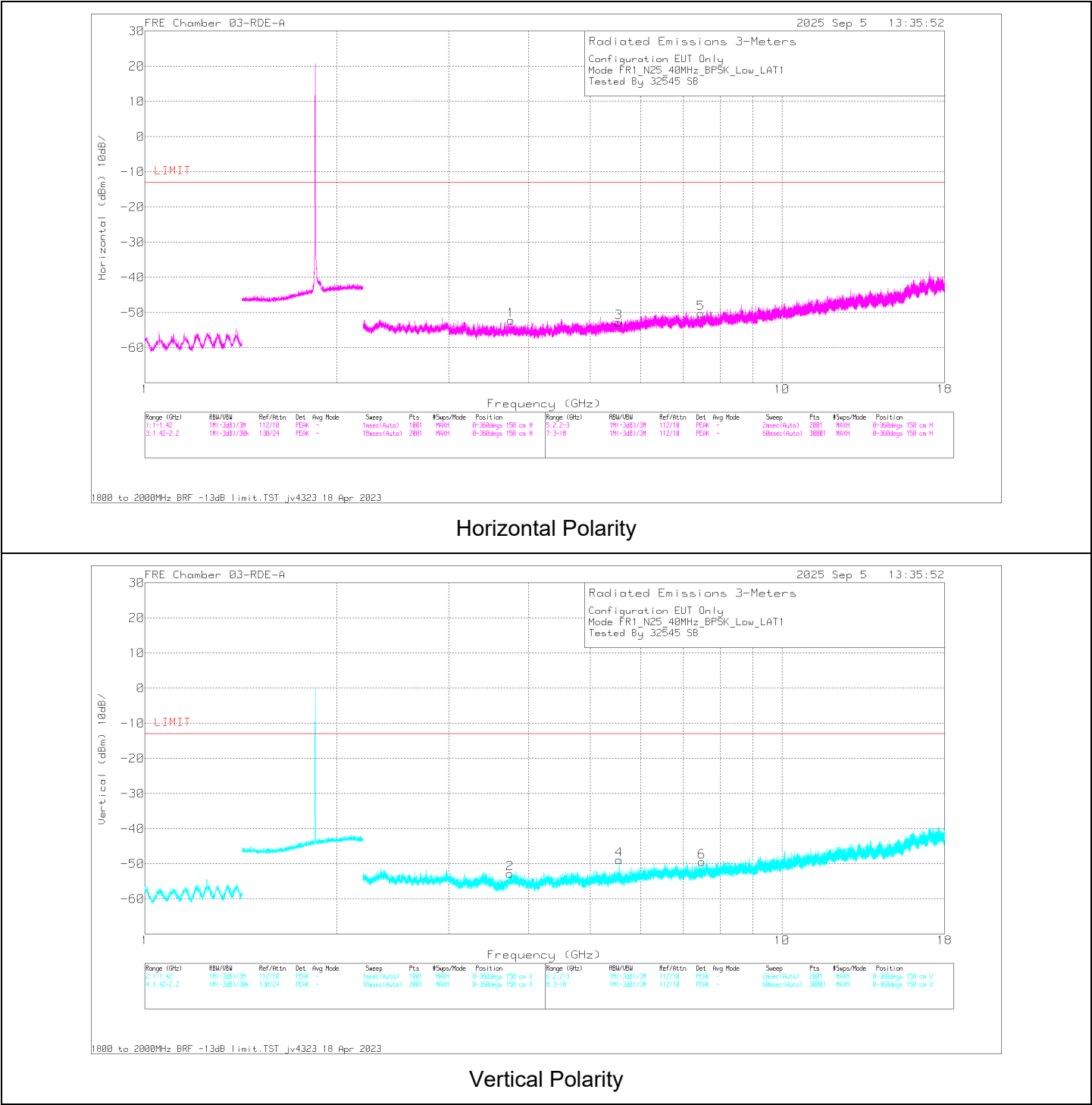
So, from d)

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

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
* 3.752	56.51	Pk	33.4	-95.2	-47	-52.29	-13	-39.29	H
* 3.7405	56.03	Pk	33.4	-95.2	-47	-52.77	-13	-39.77	V
5.543	55.05	Pk	34.4	-95.2	-47	-52.75	-13	-39.75	H
5.5515	58.94	Pk	34.4	-95.2	-47	-48.86	-13	-35.86	V
* 7.4615	55.32	Pk	35.8	-95.2	-46.2	-50.28	-13	-37.28	H
* 7.483	56.06	Pk	35.8	-95.2	-46.1	-49.44	-13	-36.44	V

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 25

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

Project #:	15941282
Date:	2025-09-08
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									
3.716000	54.73	Pk	33.0	-95.2	-47.00	-54.47	-13	-41.47	H
3.704500	56.05	Pk	33.0	-95.2	-46.95	-53.10	-13	-40.10	V
5.591000	56.06	Pk	34.4	-95.2	-48.10	-52.84	-13	-39.84	H
5.576000	56.83	Pk	34.4	-95.2	-48.30	-52.27	-13	-39.27	V
7.477500	58.12	Pk	35.7	-95.2	-47.85	-49.23	-13	-36.23	H
7.463500	55.47	Pk	35.7	-95.2	-47.80	-51.83	-13	-38.83	V
Mid Channel, 1882.5MHz									
3.778500	56.48	Pk	33.2	-95.2	-47.60	-53.12	-13	-40.12	H
3.758500	54.98	Pk	33.1	-95.2	-47.65	-54.77	-13	-41.77	V
5.671000	56.43	Pk	34.5	-95.2	-47.90	-52.17	-13	-39.17	H
5.686000	56.03	Pk	34.5	-95.2	-48.00	-52.67	-13	-39.67	V
7.536000	55.56	Pk	35.7	-95.2	-47.60	-51.54	-13	-38.54	H
7.627000	56.81	Pk	35.7	-95.2	-46.90	-49.59	-13	-36.59	V
High Channel, 1905MHz									
3.880500	54.71	Pk	33.3	-95.2	-47.05	-54.24	-13	-41.24	H
3.814500	57.06	Pk	33.2	-95.2	-47.45	-52.39	-13	-39.39	V
5.698000	55.98	Pk	34.5	-95.2	-47.70	-52.42	-13	-39.42	H
5.669000	55.39	Pk	34.5	-95.2	-47.80	-53.11	-13	-40.11	V
7.622500	54.98	Pk	35.7	-95.2	-46.90	-51.42	-13	-38.42	H
7.654500	55.87	Pk	35.8	-95.2	-47.20	-50.73	-13	-37.73	V

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

Project #:	15941282
Date:	2025-09-11
Test Engineer:	32545
Configuration:	EUT Only
Mode	LTE 25 QPSK 20MHz
Chamber #:	03-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1860MHz									
3.728000	56.15	Pk	33.3	-95.2	-47.20	-52.95	-13	-39.95	H
3.728000	55.99	Pk	33.3	-95.2	-47.20	-53.11	-13	-40.11	V
5.590500	54.74	Pk	34.4	-95.2	-47.00	-53.06	-13	-40.06	H
5.582500	55.78	Pk	34.4	-95.2	-47.00	-52.02	-13	-39.02	V
7.455000	54.78	Pk	35.8	-95.2	-46.10	-50.72	-13	-37.72	H
7.447500	54.77	Pk	35.8	-95.2	-46.20	-50.83	-13	-37.83	V
Mid Channel, 1882.5MHz									
3.747500	56.21	Pk	33.4	-95.2	-47.00	-52.59	-13	-39.59	H
3.762000	55.27	Pk	33.4	-95.2	-47.00	-53.53	-13	-40.53	V
5.633000	54.24	Pk	34.4	-95.2	-46.80	-53.36	-13	-40.36	H
5.638000	55.04	Pk	34.4	-95.2	-46.70	-52.46	-13	-39.46	V
7.518500	54.90	Pk	35.8	-95.2	-46.10	-50.60	-13	-37.60	H
7.528500	53.97	Pk	35.9	-95.2	-45.80	-51.13	-13	-38.13	V
High Channel, 1905MHz									
3.815000	54.52	Pk	33.5	-95.2	-46.80	-53.98	-13	-40.98	H
3.813500	56.16	Pk	33.5	-95.2	-46.80	-52.34	-13	-39.34	V
5.716500	53.39	Pk	34.6	-95.2	-46.60	-53.81	-13	-40.81	H
5.719000	54.31	Pk	34.6	-95.2	-46.60	-52.89	-13	-39.89	V
7.614500	53.86	Pk	35.9	-95.2	-44.20	-49.64	-13	-36.64	H
7.617000	53.79	Pk	35.9	-95.2	-44.10	-49.61	-13	-36.61	V

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

Project #:	15941282
Date:	2025-09-16
Test Engineer:	32545
Configuration:	EUT Only
Mode	LTE 25 QPSK 20MHz
Chamber #:	03-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1860MHz									
3.726000	55.96	Pk	33.3	-95.2	-47.20	-53.14	-13	-40.14	H
3.728000	55.82	Pk	33.3	-95.2	-47.20	-53.28	-13	-40.28	V
5.552500	59.20	Pk	34.4	-95.2	-47.00	-48.60	-13	-35.60	H
5.553000	56.42	Pk	34.4	-95.2	-47.00	-51.38	-13	-38.38	V
7.458000	55.39	Pk	35.8	-95.2	-46.10	-50.11	-13	-37.11	H
7.448000	55.19	Pk	35.8	-95.2	-46.20	-50.41	-13	-37.41	V
Mid Channel, 1882.5MHz									
3.766000	55.51	Pk	33.4	-95.2	-46.80	-53.09	-13	-40.09	H
3.766500	54.72	Pk	33.4	-95.2	-46.85	-53.93	-13	-40.93	V
5.640500	55.07	Pk	34.4	-95.2	-46.70	-52.43	-13	-39.43	H
5.643500	54.80	Pk	34.4	-95.2	-46.70	-52.70	-13	-39.70	V
7.537500	53.95	Pk	35.9	-95.2	-45.55	-50.90	-13	-37.90	H
7.525500	54.43	Pk	35.8	-95.2	-45.90	-50.87	-13	-37.87	V
High Channel, 1905MHz									
3.803500	54.43	Pk	33.4	-95.2	-46.90	-54.27	-13	-41.27	H
3.794500	55.51	Pk	33.4	-95.2	-47.05	-53.34	-13	-40.34	V
5.722000	55.63	Pk	34.6	-95.2	-46.60	-51.57	-13	-38.57	H
5.730000	54.24	Pk	34.6	-95.2	-46.60	-52.96	-13	-39.96	V
7.633000	54.48	Pk	35.9	-95.2	-44.20	-49.02	-13	-36.02	H
7.638500	53.41	Pk	35.9	-95.2	-44.45	-50.34	-13	-37.34	V

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

Project #:	15941282
Date:	2025-09-17
Test Engineer:	32545
Configuration:	EUT Only
Mode	LTE 25 QPSK 20MHz
Chamber #:	03-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1860MHz									
3.714500	55.41	Pk	33.3	-95.2	-47.15	-53.64	-13	-40.64	H
3.724000	56.78	Pk	33.3	-95.2	-47.20	-52.32	-13	-39.32	V
5.577500	54.68	Pk	34.4	-95.2	-46.90	-53.02	-13	-40.02	H
5.575500	54.60	Pk	34.4	-95.2	-47.00	-53.20	-13	-40.20	V
7.433000	55.08	Pk	35.8	-95.2	-46.20	-50.52	-13	-37.52	H
7.442000	53.70	Pk	35.8	-95.2	-46.20	-51.90	-13	-38.90	V
Mid Channel, 1882.5MHz									
3.771000	54.78	Pk	33.4	-95.2	-46.90	-53.92	-13	-40.92	H
3.757000	55.61	Pk	33.4	-95.2	-46.90	-53.09	-13	-40.09	V
5.643000	54.26	Pk	34.4	-95.2	-46.70	-53.24	-13	-40.24	H
5.639500	55.62	Pk	34.4	-95.2	-46.70	-51.88	-13	-38.88	V
7.538000	53.36	Pk	35.9	-95.2	-45.50	-51.44	-13	-38.44	H
7.527500	54.11	Pk	35.9	-95.2	-45.80	-50.99	-13	-37.99	V
High Channel, 1905MHz									
3.813500	54.53	Pk	33.5	-95.2	-46.80	-53.97	-13	-40.97	H
3.806000	54.45	Pk	33.5	-95.2	-46.80	-54.05	-13	-41.05	V
5.707000	55.11	Pk	34.6	-95.2	-46.50	-51.99	-13	-38.99	H
5.720000	54.46	Pk	34.6	-95.2	-46.60	-52.74	-13	-39.74	V
7.628000	53.58	Pk	35.9	-95.2	-44.10	-49.82	-13	-36.82	H
7.619000	53.78	Pk	35.9	-95.2	-44.10	-49.62	-13	-36.62	V

10.1.2. 5G NR n25

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

Project #:	15941282
Date:	2025-09-05
Test Engineer:	32545
Configuration:	EUT Only
Mode	5G NR n25 BPSK 40MHz
Chamber #:	03-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1870MHz									
3.752000	56.51	Pk	33.4	-95.2	-47.00	-52.29	-13	-39.29	H
3.740500	56.03	Pk	33.4	-95.2	-47.00	-52.77	-13	-39.77	V
5.543000	55.05	Pk	34.4	-95.2	-47.00	-52.75	-13	-39.75	H
5.551500	58.94	Pk	34.4	-95.2	-47.00	-48.86	-13	-35.86	V
7.461500	55.32	Pk	35.8	-95.2	-46.20	-50.28	-13	-37.28	H
7.483000	56.06	Pk	35.8	-95.2	-46.10	-49.44	-13	-36.44	V
Mid Channel, 1882.5MHz									
3.766000	55.51	Pk	33.4	-95.2	-46.80	-53.09	-13	-40.09	H
3.766500	54.72	Pk	33.4	-95.2	-46.85	-53.93	-13	-40.93	V
5.640500	55.07	Pk	34.4	-95.2	-46.70	-52.43	-13	-39.43	H
5.643500	54.80	Pk	34.4	-95.2	-46.70	-52.70	-13	-39.70	V
7.537500	53.95	Pk	35.9	-95.2	-45.55	-50.90	-13	-37.90	H
7.525500	54.43	Pk	35.8	-95.2	-45.90	-50.87	-13	-37.87	V
High Channel, 1895MHz									
3.799000	55.30	Pk	33.4	-95.2	-46.90	-53.40	-13	-40.40	H
3.789000	55.15	Pk	33.4	-95.2	-46.90	-53.55	-13	-40.55	V
5.682000	55.14	Pk	34.5	-95.2	-46.60	-52.16	-13	-39.16	H
5.684500	54.64	Pk	34.5	-95.2	-46.60	-52.66	-13	-39.66	V
7.573000	53.06	Pk	35.9	-95.2	-45.10	-51.34	-13	-38.34	H
7.575500	54.19	Pk	35.9	-95.2	-45.10	-50.21	-13	-37.21	V

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

Project #:	15941282
Date:	2025-09-09
Test Engineer:	32545
Configuration:	EUT Only
Mode	5G NR n25 BPSK 40MHz
Chamber #:	03-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1870MHz									
3.741500	55.04	Pk	33.4	-95.2	-47.00	-53.76	-13	-40.76	H
3.742000	55.27	Pk	33.4	-95.2	-47.00	-53.53	-13	-40.53	V
5.623000	54.52	Pk	34.4	-95.2	-46.80	-53.08	-13	-40.08	H
5.609000	54.92	Pk	34.4	-95.2	-46.90	-52.78	-13	-39.78	V
7.468000	54.59	Pk	35.8	-95.2	-46.20	-51.01	-13	-38.01	H
7.464000	54.21	Pk	35.8	-95.2	-46.10	-51.29	-13	-38.29	V
Mid Channel, 1882.5MHz									
5.069000	55.79	Pk	34.1	-95.2	-47.70	-53.01	-13	-40.01	H
5.058500	56.92	Pk	34.0	-95.2	-47.60	-51.88	-13	-38.88	V
7.613500	53.25	Pk	35.9	-95.2	-44.20	-50.25	-13	-37.25	H
7.608000	53.10	Pk	35.9	-95.2	-44.40	-50.60	-13	-37.60	V
10.147500	55.27	Pk	37.3	-95.2	-45.25	-47.88	-13	-34.88	H
10.150000	54.03	Pk	37.3	-95.2	-45.20	-49.07	-13	-36.07	V
High Channel, 1895MHz									
3.804000	55.61	Pk	33.4	-95.2	-46.90	-53.09	-13	-40.09	H
3.787500	56.44	Pk	33.4	-95.2	-46.90	-52.26	-13	-39.26	V
5.687000	55.24	Pk	34.5	-95.2	-46.60	-52.06	-13	-39.06	H
5.671500	55.44	Pk	34.5	-95.2	-46.55	-51.81	-13	-38.81	V
7.574000	53.68	Pk	35.9	-95.2	-45.10	-50.72	-13	-37.72	H
7.574500	53.45	Pk	35.9	-95.2	-45.10	-50.95	-13	-37.95	V

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

Project #:	15941282
Date:	2025-09-15
Test Engineer:	32934
Configuration:	EUT Only
Mode	5G NR n25 BPSK 40MHz
Chamber #:	03-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1870MHz									
3.745500	56.15	Pk	33.4	-95.2	-47.10	-52.75	-13	-39.75	H
3.728500	55.48	Pk	33.3	-95.2	-47.20	-53.62	-13	-40.62	V
5.630500	54.84	Pk	34.4	-95.2	-46.75	-52.71	-13	-39.71	H
5.611000	54.38	Pk	34.4	-95.2	-46.90	-53.32	-13	-40.32	V
7.459000	54.80	Pk	35.8	-95.2	-46.10	-50.70	-13	-37.70	H
7.459000	54.30	Pk	35.8	-95.2	-46.10	-51.20	-13	-38.20	V
Mid Channel, 1882.5MHz									
3.749000	54.67	Pk	33.4	-95.2	-47.00	-54.13	-13	-41.13	H
3.735500	55.83	Pk	33.3	-95.2	-47.20	-53.27	-13	-40.27	V
5.642500	54.84	Pk	34.4	-95.2	-46.70	-52.66	-13	-39.66	H
5.631500	54.70	Pk	34.4	-95.2	-46.70	-52.80	-13	-39.80	V
7.535000	54.32	Pk	35.9	-95.2	-45.70	-50.68	-13	-37.68	H
7.530000	54.07	Pk	35.9	-95.2	-45.70	-50.93	-13	-37.93	V
High Channel, 1895MHz									
3.788000	54.88	Pk	33.4	-95.2	-46.90	-53.82	-13	-40.82	H
3.761000	55.26	Pk	33.4	-95.2	-47.00	-53.54	-13	-40.54	V
5.684000	54.94	Pk	34.5	-95.2	-46.60	-52.36	-13	-39.36	H
5.695000	54.20	Pk	34.5	-95.2	-46.50	-53.00	-13	-40.00	V
7.565000	54.04	Pk	35.9	-95.2	-45.10	-50.36	-13	-37.36	H
7.558000	53.61	Pk	35.9	-95.2	-45.20	-50.89	-13	-37.89	V

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

Project #:	15941282
Date:	2025-09-17
Test Engineer:	32703
Configuration:	EUT Only
Mode	5G NR n25 BPSK 40MHz
Chamber #:	03-RDE-C

Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1870MHz									
3.701000	53.02	Pk	32.9	-95.2	-45.58	-54.86	-13	-41.86	H
3.701000	52.94	Pk	32.9	-95.2	-45.58	-54.94	-13	-41.94	V
5.551000	51.96	Pk	34.7	-95.2	-45.82	-54.36	-13	-41.36	H
5.551000	52.68	Pk	34.7	-95.2	-45.82	-53.64	-13	-40.64	V
7.400500	52.94	Pk	35.5	-95.2	-45.37	-52.13	-13	-39.13	H
7.400500	54.40	Pk	35.5	-95.2	-45.37	-50.67	-13	-37.67	V
Mid Channel, 1882.5MHz									
3.726000	52.70	Pk	32.9	-95.2	-45.57	-55.17	-13	-42.17	H
3.726000	53.13	Pk	32.9	-95.2	-45.57	-54.74	-13	-41.74	V
5.588000	51.74	Pk	34.8	-95.2	-46.10	-54.76	-13	-41.76	H
5.588000	53.90	Pk	34.8	-95.2	-46.10	-52.60	-13	-39.60	V
7.450500	53.20	Pk	35.6	-95.2	-45.54	-51.94	-13	-38.94	H
7.450500	53.14	Pk	35.6	-95.2	-45.54	-52.00	-13	-39.00	V
High Channel, 1895MHz									
3.750500	52.24	Pk	32.9	-95.2	-45.49	-55.55	-13	-42.55	H
3.750500	53.45	Pk	32.9	-95.2	-45.49	-54.34	-13	-41.34	V
5.625000	52.44	Pk	34.8	-95.2	-46.07	-54.03	-13	-41.03	H
5.625000	51.49	Pk	34.8	-95.2	-46.07	-54.98	-13	-41.98	V
7.501000	51.92	Pk	35.6	-95.2	-45.32	-53.00	-13	-40.00	H
7.501000	52.92	Pk	35.6	-95.2	-45.32	-52.00	-13	-39.00	V

11. SETUP PHOTOS

Refer to 15941282-EP1 for setup photos.

END OF REPORT