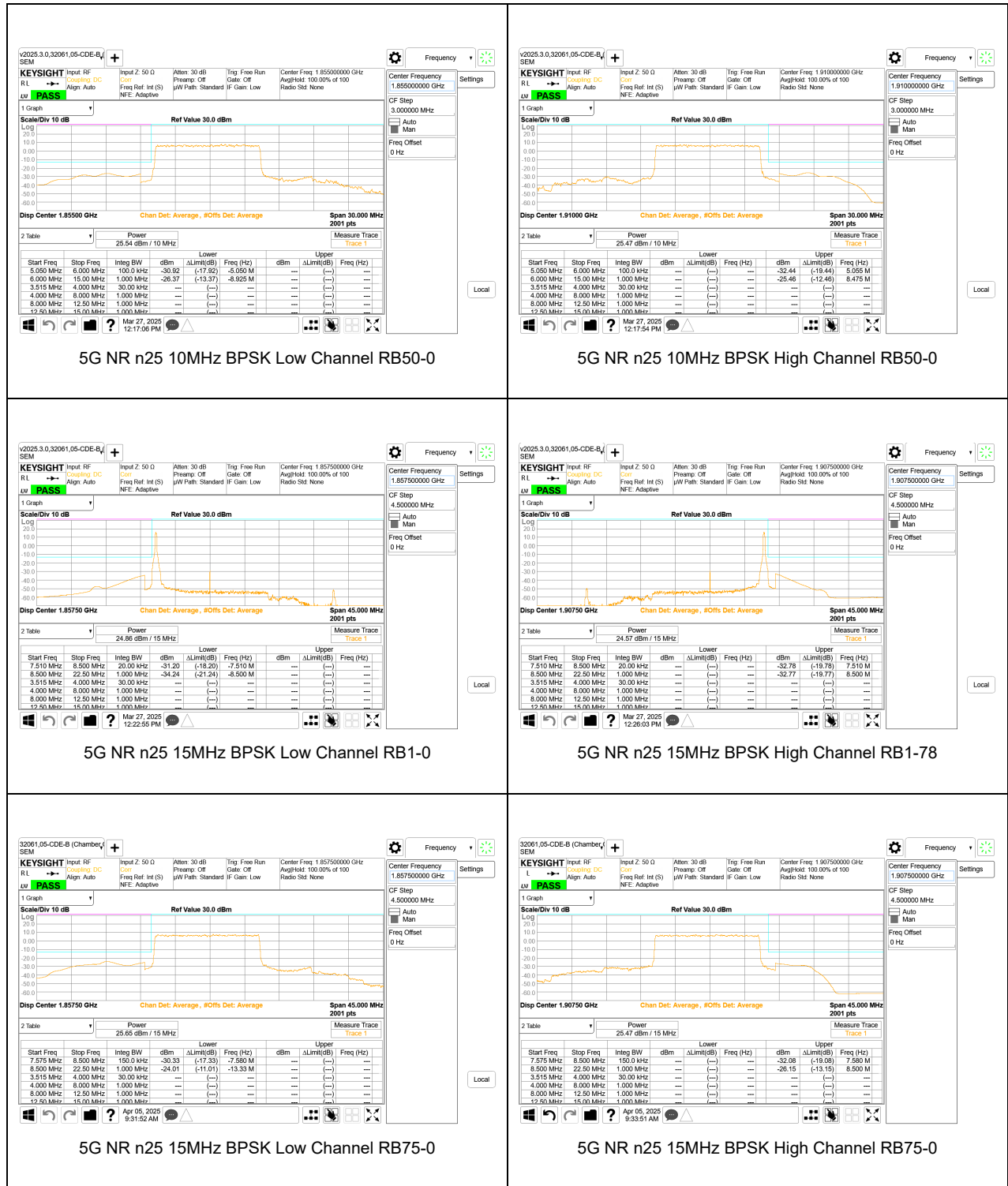
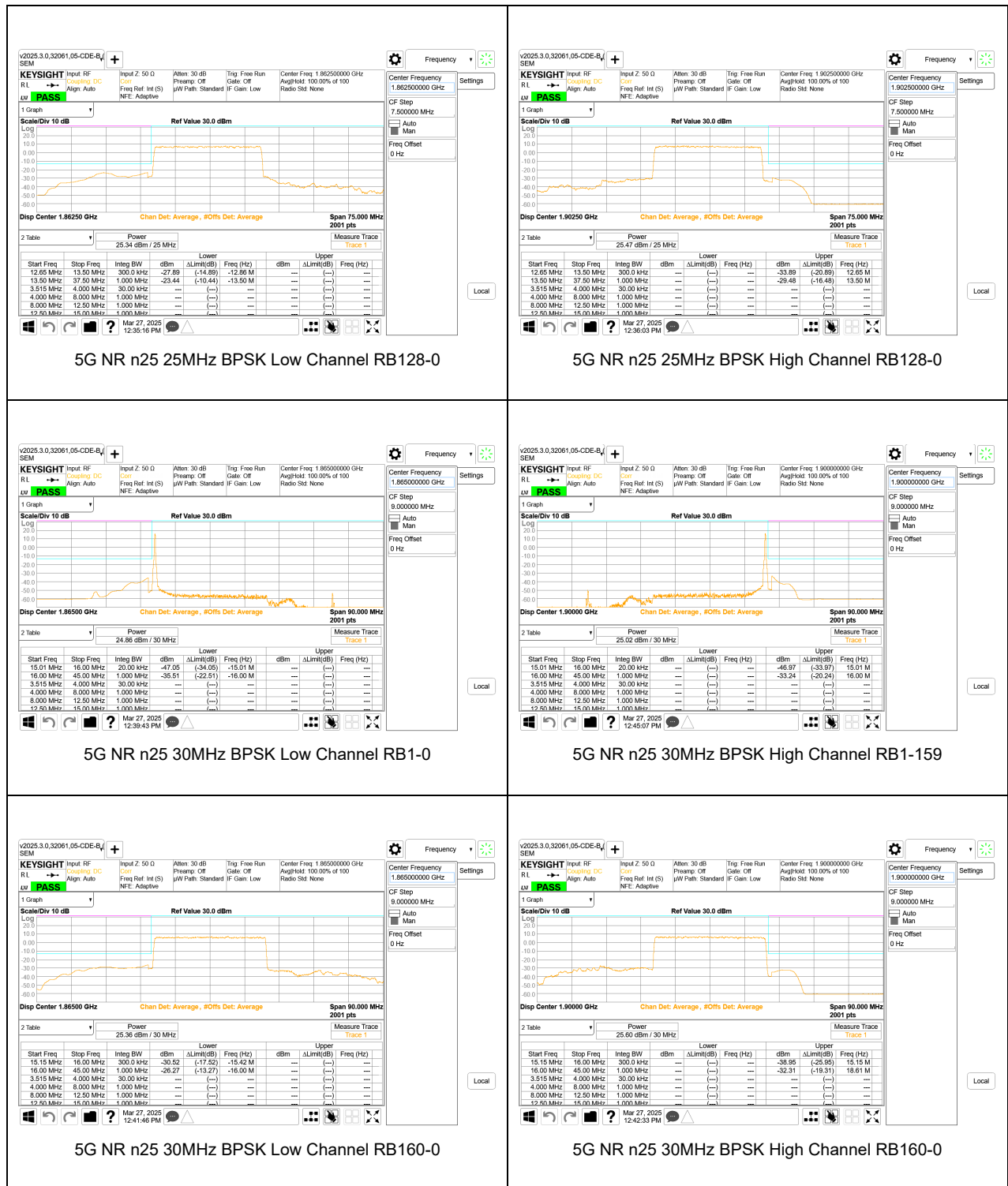
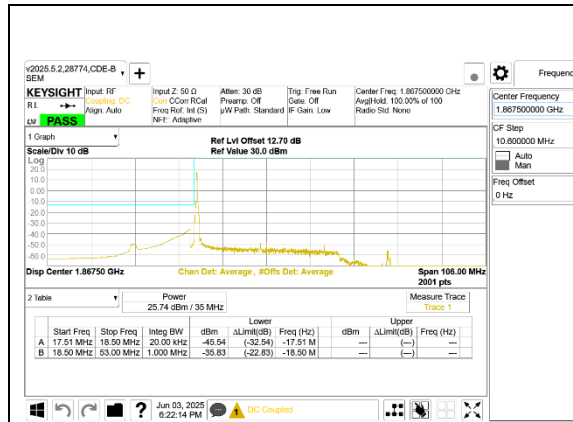


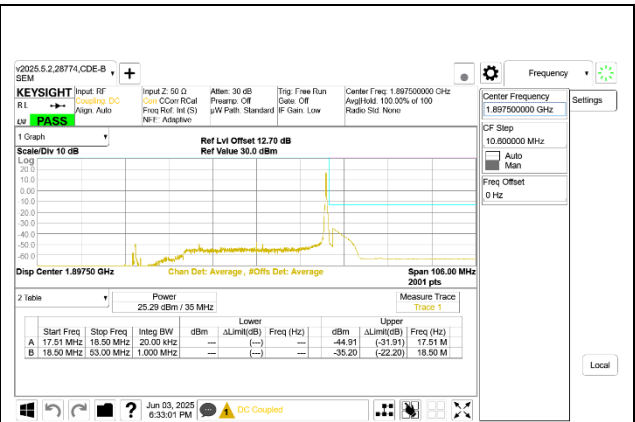




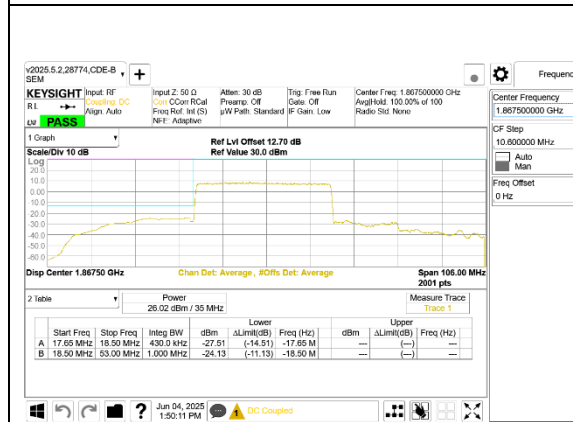




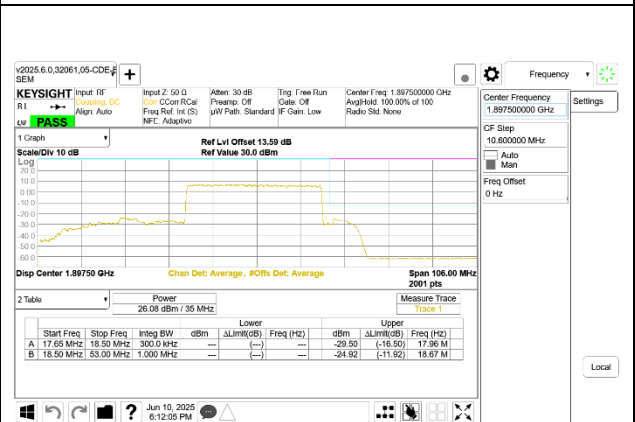
5G NR n25 35MHz BPSK Low Channel RB1-0



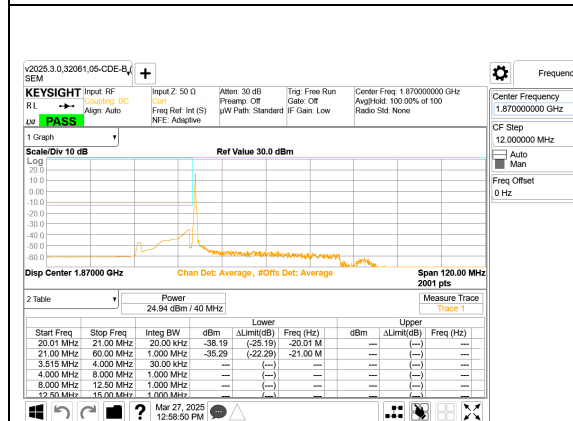
5G NR n25 35MHz BPSK High Channel RB1-187



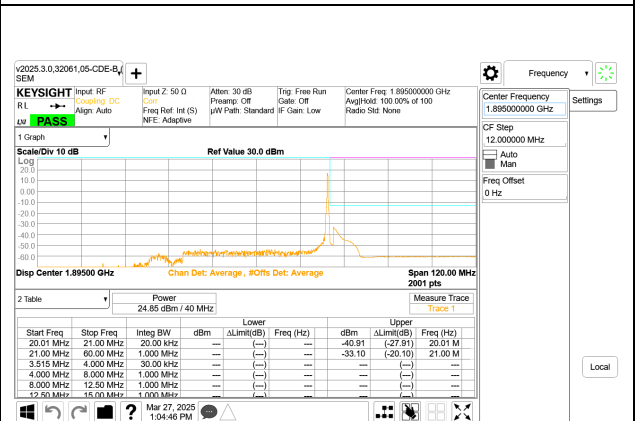
5G NR n25 35MHz BPSK Low Channel RB180-0



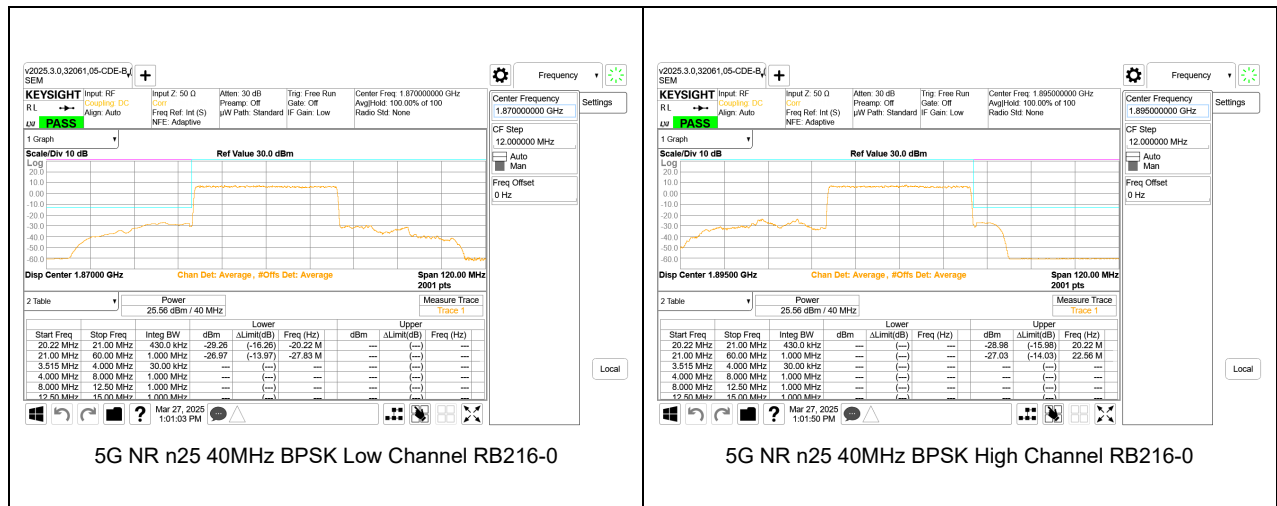
5G NR n25 35MHz BPSK High Channel RB180-0



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:

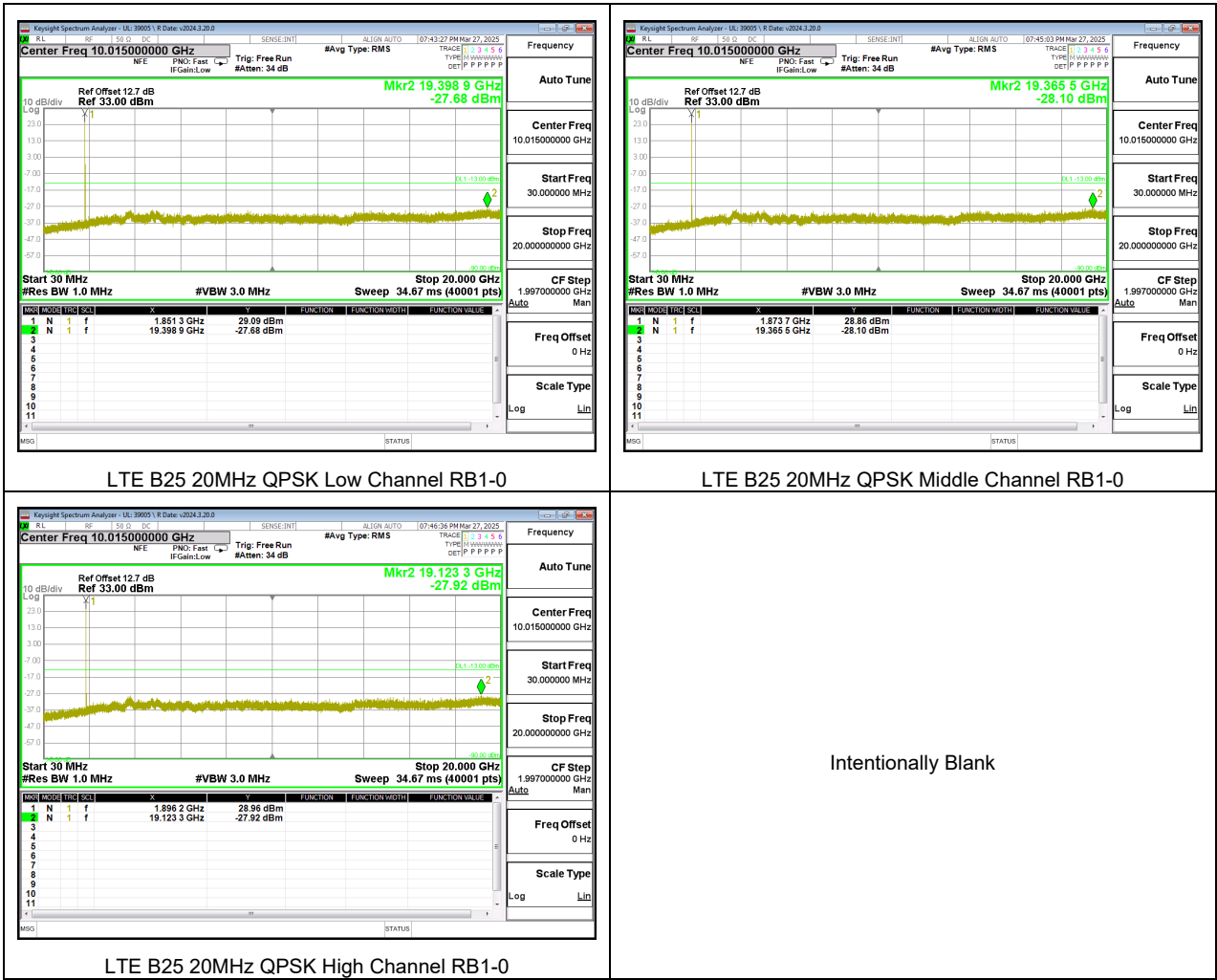
- Set display line at -13 dBm
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
(NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

RESULTS

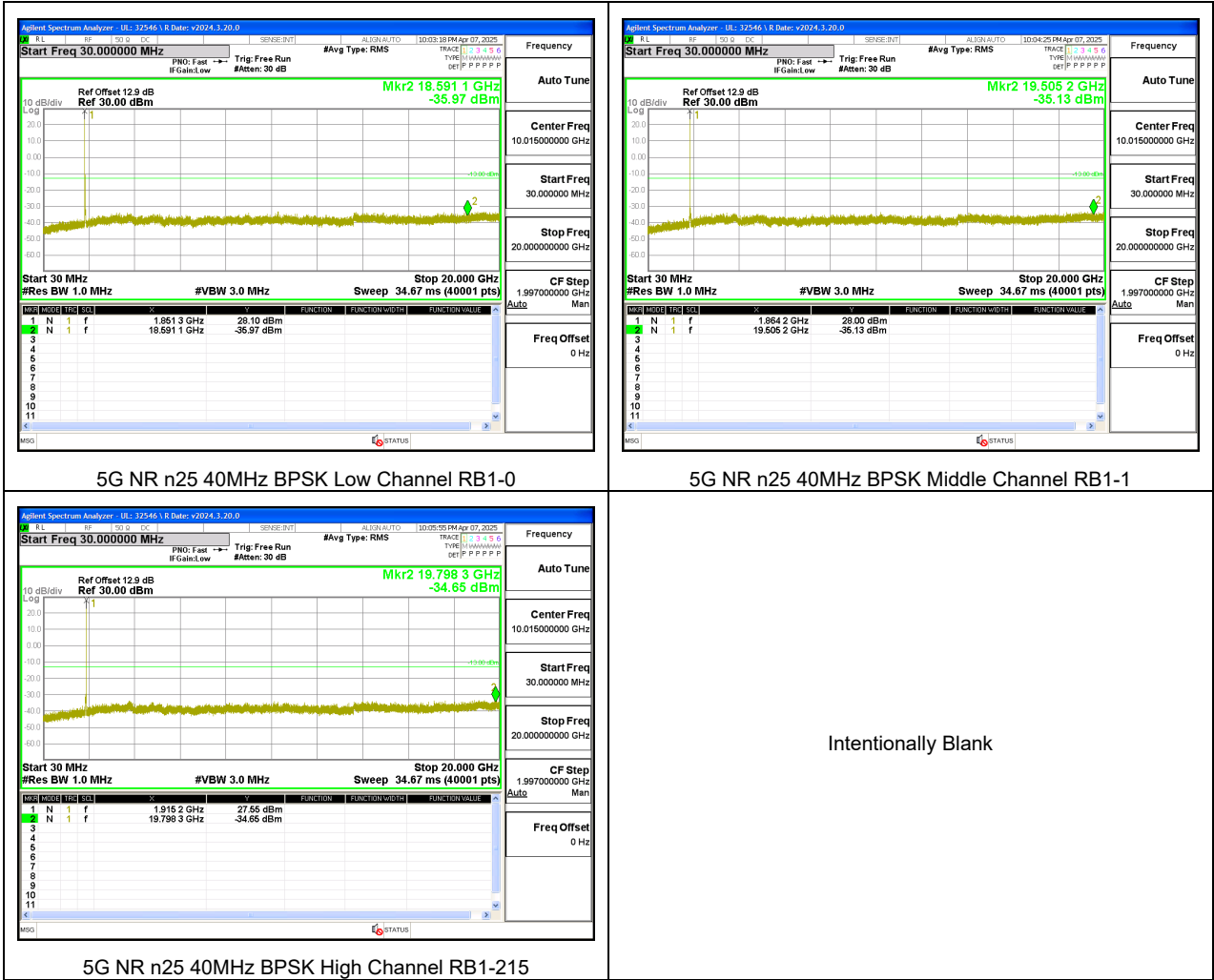
QPSK with 1RB is the highest power to all bandwidth. 1RB has the same frequency and power to all bandwidth. Therefore, QPSK with 1RB and wider bandwidths results are reported as worst case for LTE bands.

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:	32546	Test Date:	5/2/2025
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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	1851.0673	1913.9361			
Extreme (50°C)		1851.0673	1913.9361	-6.1	-0.003	Yes
Extreme (40°C)		1851.0673	1913.9361	5.5	0.003	Yes
Extreme (30°C)		1851.0673	1913.9361	6.1	0.003	Yes
Extreme (10°C)		1851.0673	1913.9361	4.8	0.003	Yes
Extreme (0°C)		1851.0673	1913.9361	5.9	0.003	Yes
Extreme (-10°C)		1851.0673	1913.9361	6.7	0.004	Yes
Extreme (-20°C)		1851.0673	1913.9361	7.2	0.004	Yes
Extreme (-30°C)		1851.0673	1913.9361	6.7	0.004	Yes
20°C	15%	1851.0673	1913.9361	-9.4	-0.005	Yes
	-15%	1851.0673	1913.9361	-8.0	-0.004	Yes
	End Point Voltage	1851.0673	1913.9361	8.2	0.004	Yes

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

Test Engineer ID:	32546	Test Date:	4/29/2025
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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	1850.6765	1914.2780			
Extreme (50°C)		1850.6765	1914.2780	-3.4	-0.002	Yes
Extreme (40°C)		1850.6765	1914.2780	-3.0	-0.002	Yes
Extreme (30°C)		1850.6765	1914.2780	-3.8	-0.002	Yes
Extreme (10°C)		1850.6765	1914.2780	-3.5	-0.002	Yes
Extreme (0°C)		1850.6765	1914.2780	-2.8	-0.002	Yes
Extreme (-10°C)		1850.6765	1914.2780	-4.1	-0.002	Yes
Extreme (-20°C)		1850.6765	1914.2780	-6.5	-0.003	Yes
Extreme (-30°C)		1850.6765	1914.2780	-5.0	-0.003	Yes
20°C	15%	1850.6765	1914.2780	-3.5	-0.002	Yes
	-15%	1850.6765	1914.2780	-3.2	-0.002	Yes
	End Point Voltage	1850.6765	1914.2780	-3.1	-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.

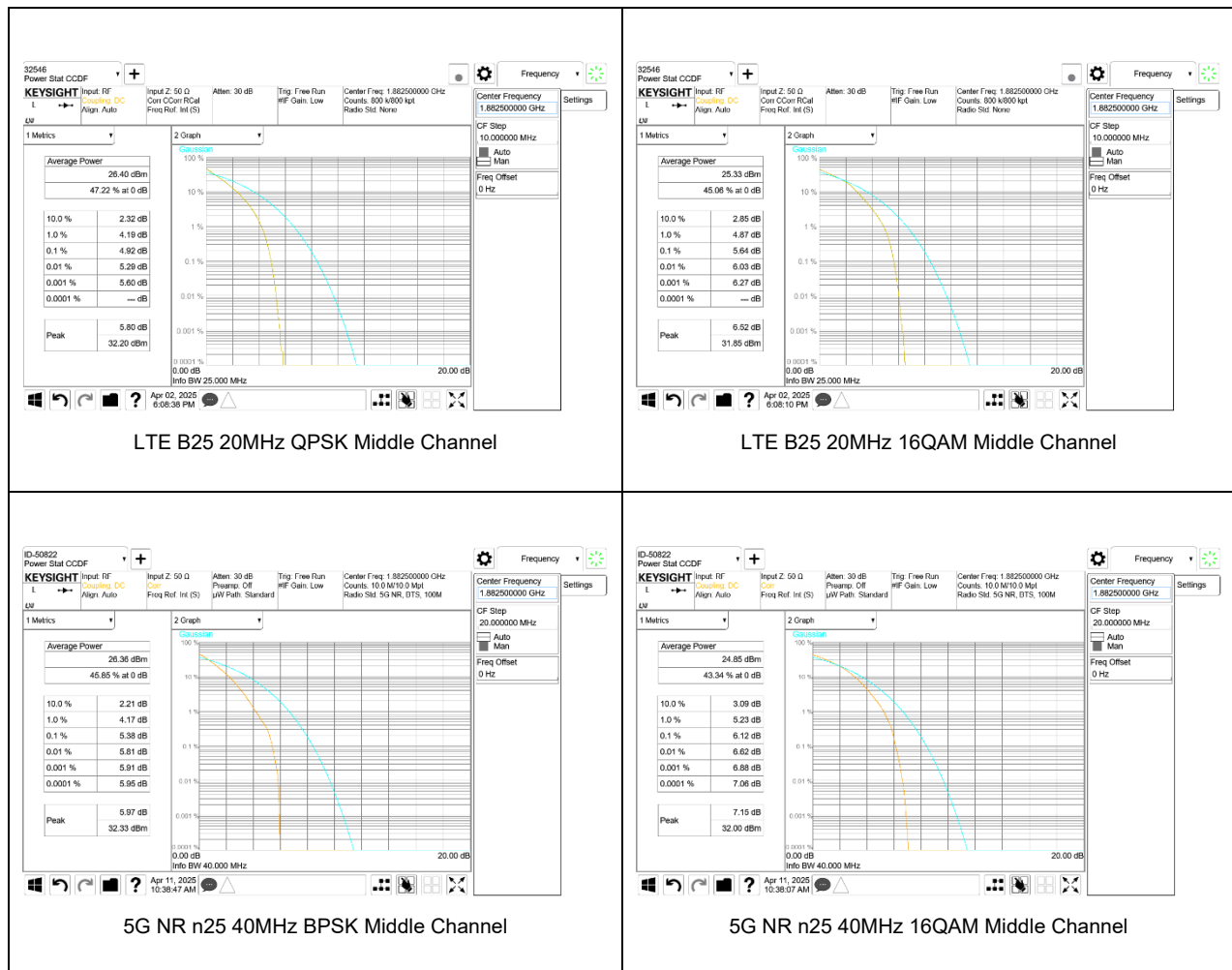
ISED: RSS133§5.5

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:	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 25	1.4MHz	1882.5	6	0	QPSK	31.52	26.31	5.21
					16QAM	31.41	25.32	6.09
	3MHz		15	0	QPSK	31.42	26.34	5.08
					16QAM	31.58	25.27	6.31
	5MHz		25	0	QPSK	31.62	26.44	5.18
					16QAM	31.42	25.39	6.03
	10MHz		50	0	QPSK	31.78	26.34	5.44
					16QAM	31.49	25.36	6.13
	15MHz		75	0	QPSK	31.78	26.34	5.44
					16QAM	31.54	25.28	6.26
20MHz	100	0	QPSK	32.20	26.40	5.80		
			16QAM	31.85	25.33	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 n25

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 n25	5MHz	1882.5	25	0	BPSK	30.78	26.00	4.78
					16QAM	30.78	24.66	6.12
	10MHz		50	0	BPSK	31.52	26.40	5.12
					16QAM	31.32	24.77	6.55
	15MHz		75	0	BPSK	32.00	26.46	5.54
					16QAM	31.73	24.88	6.85
	20MHz		100	0	BPSK	32.25	26.49	5.76
					16QAM	31.70	24.74	6.96
	25MHz		128	0	BPSK	32.28	26.33	5.95
					16QAM	31.99	24.84	7.15
	30MHz		160	0	BPSK	32.11	26.47	5.64
					16QAM	31.98	25.02	6.96
	35MHz		180	0	BPSK	31.77	26.27	5.50
					16QAM	31.90	24.80	7.10
	40MHz		216	0	BPSK	32.33	26.36	5.97
					16QAM	32.00	24.85	7.15
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.

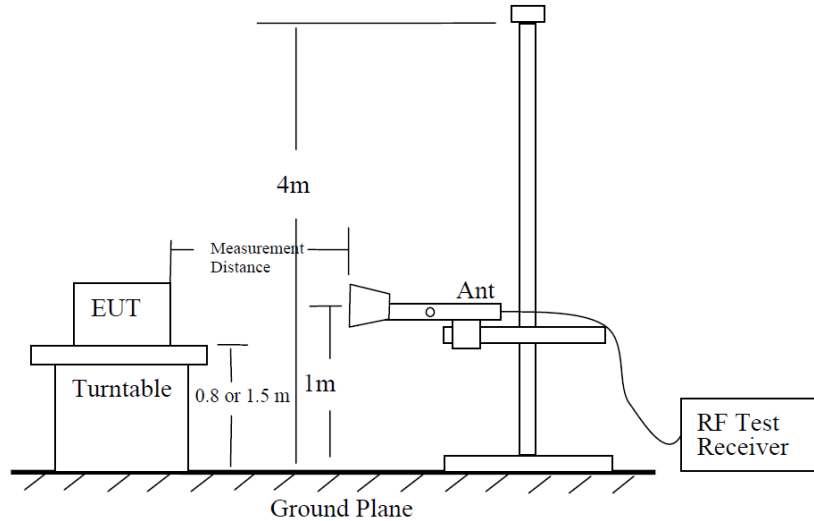


Figure 6 —Test site-up for radiated ERP and/or EIRP measurements

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.

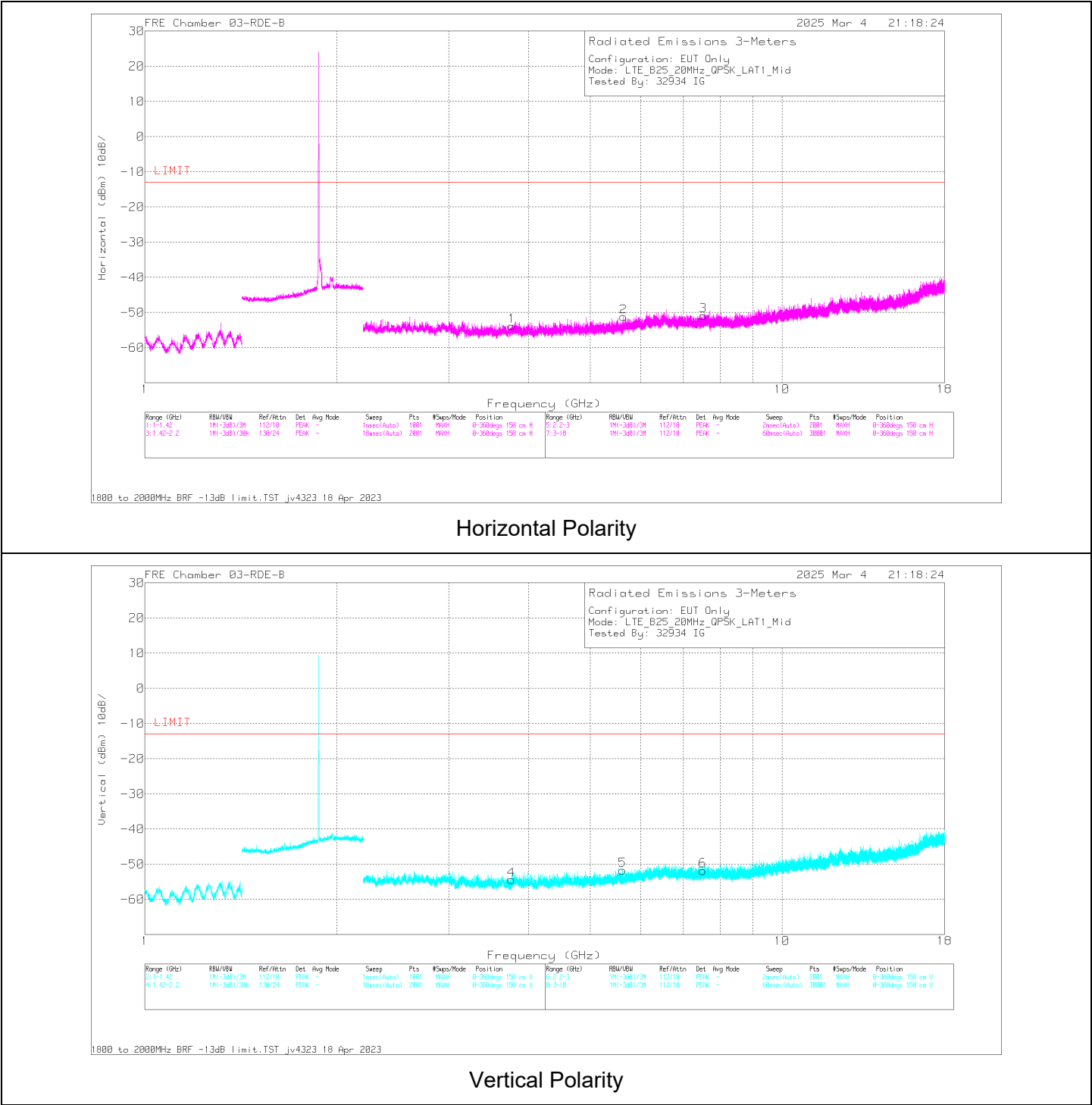
So, from d)

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 (dBm)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
4	3.758500	55.27	Pk	33.1	-95.2	-47.65	-54.48	-13	-41.48	V
1	3.769500	55.88	Pk	33.1	-95.2	-47.60	-53.82	-13	-40.82	H
5	5.620500	57.11	Pk	34.5	-95.2	-48.10	-51.69	-13	-38.69	V
2	5.639000	57.36	Pk	34.5	-95.2	-47.90	-51.24	-13	-38.24	H
6	7.518000	55.38	Pk	35.7	-95.2	-47.70	-51.82	-13	-38.82	V
3	7.527000	56.19	Pk	35.7	-95.2	-47.60	-50.91	-13	-37.91	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 #:	15496282
Date:	2025-03-04
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									
3.673500	57.35	Pk	32.9	-95.2	-47.10	-52.05	-13	-39.05	V
3.716000	55.20	Pk	33.0	-95.2	-47.00	-54.00	-13	-41.00	H
5.553000	56.14	Pk	34.4	-95.2	-48.30	-52.96	-13	-39.96	V
5.569500	56.89	Pk	34.4	-95.2	-48.35	-52.26	-13	-39.26	H
7.431500	57.68	Pk	35.7	-95.2	-47.60	-49.42	-13	-36.42	V
7.457500	56.37	Pk	35.7	-95.2	-47.80	-50.93	-13	-37.93	H
Mid Channel, 1882.5MHz									
3.758500	55.27	Pk	33.1	-95.2	-47.65	-54.48	-13	-41.48	V
3.769500	55.88	Pk	33.1	-95.2	-47.60	-53.82	-13	-40.82	H
5.620500	57.11	Pk	34.5	-95.2	-48.10	-51.69	-13	-38.69	V
5.639000	57.36	Pk	34.5	-95.2	-47.90	-51.24	-13	-38.24	H
7.518000	55.38	Pk	35.7	-95.2	-47.70	-51.82	-13	-38.82	V
7.527000	56.19	Pk	35.7	-95.2	-47.60	-50.91	-13	-37.91	H
High Channel, 1905MHz									
3.804500	57.16	Pk	33.2	-95.2	-47.60	-52.44	-13	-39.44	V
3.811500	57.85	Pk	33.2	-95.2	-47.55	-51.70	-13	-38.70	H
5.699500	57.57	Pk	34.5	-95.2	-47.70	-50.83	-13	-37.83	V
5.721500	56.37	Pk	34.6	-95.2	-47.70	-51.93	-13	-38.93	H
7.624500	55.70	Pk	35.7	-95.2	-46.90	-50.70	-13	-37.70	H
7.625500	55.51	Pk	35.7	-95.2	-46.90	-50.89	-13	-37.89	V

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

Project #:	15496282
Date:	2025-03-06
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									
3.709000	55.58	Pk	33.0	-95.2	-47.00	-53.62	-13	-40.62	H
3.702000	55.07	Pk	33.0	-95.2	-47.10	-54.23	-13	-41.23	V
5.571500	56.00	Pk	34.4	-95.2	-48.30	-53.10	-13	-40.10	V
5.580000	56.18	Pk	34.4	-95.2	-48.30	-52.92	-13	-39.92	H
7.457000	55.84	Pk	35.7	-95.2	-47.80	-51.46	-13	-38.46	H
7.434000	55.11	Pk	35.7	-95.2	-47.60	-51.99	-13	-38.99	V
Mid Channel, 1882.5MHz									
3.763500	56.95	Pk	33.1	-95.2	-47.60	-52.75	-13	-39.75	H
3.766500	57.09	Pk	33.1	-95.2	-47.50	-52.51	-13	-39.51	V
5.641000	56.66	Pk	34.5	-95.2	-47.90	-51.94	-13	-38.94	V
5.649500	55.84	Pk	34.5	-95.2	-47.90	-52.76	-13	-39.76	H
7.544000	55.79	Pk	35.7	-95.2	-47.50	-51.21	-13	-38.21	H
7.530500	56.44	Pk	35.7	-95.2	-47.70	-50.76	-13	-37.76	V
High Channel, 1905MHz									
3.818500	56.29	Pk	33.2	-95.2	-47.45	-53.16	-13	-40.16	H
3.702000	57.28	Pk	33.0	-95.2	-47.10	-52.02	-13	-39.02	V
5.724000	56.72	Pk	34.6	-95.2	-47.70	-51.58	-13	-38.58	H
5.724500	56.28	Pk	34.6	-95.2	-47.70	-52.02	-13	-39.02	V
7.621000	55.61	Pk	35.7	-95.2	-46.90	-50.79	-13	-37.79	H
7.624000	55.39	Pk	35.7	-95.2	-46.90	-51.01	-13	-38.01	V

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

Project #:	15496282
Date:	2025-03-13
Test Engineer:	25369
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									
3.709000	56.35	Pk	33.3	-95.2	-47.20	-52.75	-13	-39.75	H
3.704500	55.45	Pk	33.2	-95.2	-47.25	-53.8	-13	-40.80	V
5.565500	54.69	Pk	34.4	-95.2	-47.20	-53.31	-13	-40.31	V
5.823500	54.19	Pk	34.9	-95.2	-46.65	-52.76	-13	-39.76	H
7.448500	55.32	Pk	35.8	-95.2	-46.35	-50.43	-13	-37.43	H
7.433500	55.06	Pk	35.8	-95.2	-46.30	-50.64	-13	-37.64	V
Mid Channel, 1882.5MHz									
3.743500	55.04	Pk	33.4	-95.2	-47.15	-53.91	-13	-40.91	H
3.775500	55.14	Pk	33.4	-95.2	-47.00	-53.66	-13	-40.66	V
5.624000	55.31	Pk	34.4	-95.2	-47.20	-52.69	-13	-39.69	V
5.683000	55.39	Pk	34.5	-95.2	-46.90	-52.21	-13	-39.21	H
7.545000	54.59	Pk	35.9	-95.2	-45.70	-50.41	-13	-37.41	H
7.558500	54.45	Pk	35.9	-95.2	-45.50	-50.35	-13	-37.35	V
High Channel, 1905MHz									
3.826000	54.61	Pk	33.5	-95.2	-47.00	-54.09	-13	-41.09	H
3.828000	54.89	Pk	33.5	-95.2	-46.90	-53.71	-13	-40.71	V
5.722500	54.62	Pk	34.6	-95.2	-46.80	-52.78	-13	-39.78	V
5.734500	55.28	Pk	34.6	-95.2	-46.70	-52.02	-13	-39.02	H
7.596500	53.67	Pk	35.9	-95.2	-45.25	-50.88	-13	-37.88	H
7.631000	53.77	Pk	35.9	-95.2	-44.90	-50.43	-13	-37.43	V

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

Project #:	15496282
Date:	2025-03-21
Test Engineer:	32703
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									
3.700500	53.65	Pk	33.0	-95.2	-47.20	-55.75	-13	-42.75	H
3.700500	53.34	Pk	33.0	-95.2	-47.20	-56.06	-13	-43.06	V
2.573042	59.98	Pk	32.3	-95.2	-49.80	-52.72	-13	-39.72	V
2.573042	59.98	Pk	32.3	-95.2	-49.80	-52.72	-13	-39.72	V
5.550250	54.20	Pk	34.4	-95.2	-48.33	-54.93	-13	-41.93	V
5.550500	55.43	Pk	34.4	-95.2	-48.35	-53.72	-13	-40.72	H
Mid Channel, 1882.5MHz									
3.745000	53.54	Pk	33.1	-95.2	-47.50	-56.06	-13	-43.06	H
3.745000	53.38	Pk	33.1	-95.2	-47.50	-56.22	-13	-43.22	V
5.617500	54.35	Pk	34.5	-95.2	-48.20	-54.55	-13	-41.55	H
5.617500	54.69	Pk	34.5	-95.2	-48.20	-54.21	-13	-41.21	V
7.490000	54.84	Pk	35.7	-95.2	-47.90	-52.56	-13	-39.56	H
7.490000	55.79	Pk	35.7	-95.2	-47.90	-51.61	-13	-38.61	V
High Channel, 1905MHz									
3.790000	54.31	Pk	33.2	-95.2	-47.70	-55.39	-13	-42.39	H
3.790000	53.82	Pk	33.2	-95.2	-47.70	-55.88	-13	-42.88	V
5.685500	54.78	Pk	34.5	-95.2	-48.00	-53.92	-13	-40.92	H
5.685500	53.98	Pk	34.5	-95.2	-48.00	-54.72	-13	-41.72	V
7.580500	52.68	Pk	35.7	-95.2	-47.00	-53.82	-13	-40.82	H
7.580500	54.04	Pk	35.7	-95.2	-47.00	-52.46	-13	-39.46	V

10.1.2. 5G NR n25

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

Project #:	15496282
Date:	2025-03-12
Test Engineer:	32545
Configuration:	EUT Only
Mode	5G NR n25 BPSK 40MHz
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, 1870MHz									
3.739500	53.47	Pk	33.1	-95.2	-47.40	-56.03	-13	-43.03	H
3.739500	53.41	Pk	33.1	-95.2	-47.40	-56.09	-13	-43.09	V
5.610500	54.06	Pk	34.4	-95.2	-48.25	-54.99	-13	-41.99	H
5.610500	53.37	Pk	34.4	-95.2	-48.25	-55.68	-13	-42.68	V
7.481000	53.87	Pk	35.7	-95.2	-47.90	-53.53	-13	-40.53	H
7.481000	54.17	Pk	35.7	-95.2	-47.90	-53.23	-13	-40.23	V
Mid Channel, 1882.5MHz									
3.740500	54.93	Pk	33.1	-95.2	-47.45	-54.62	-13	-41.62	H
3.740500	53.58	Pk	33.1	-95.2	-47.45	-55.97	-13	-42.97	V
5.611000	53.99	Pk	34.4	-95.2	-48.30	-55.11	-13	-42.11	H
5.611000	53.41	Pk	34.4	-95.2	-48.30	-55.69	-13	-42.69	V
7.482000	55.07	Pk	35.7	-95.2	-47.90	-52.33	-13	-39.33	H
7.482000	53.52	Pk	35.7	-95.2	-47.90	-53.88	-13	-40.88	V
High Channel, 1895MHz									
3.790000	56.39	Pk	33.2	-95.2	-47.70	-53.31	-13	-40.31	H
3.790000	54.69	Pk	33.2	-95.2	-47.70	-55.01	-13	-42.01	V
5.685500	54.70	Pk	34.5	-95.2	-48.00	-54.00	-13	-41.00	H
5.685500	53.85	Pk	34.5	-95.2	-48.00	-54.85	-13	-41.85	V
7.580500	53.26	Pk	35.7	-95.2	-47.00	-53.24	-13	-40.24	H
7.580500	52.97	Pk	35.7	-95.2	-47.00	-53.53	-13	-40.53	V

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

Project #:	15496282
Date:	2025-03-13
Test Engineer:	32934
Configuration:	EUT Only
Mode	5G NR n25 BPSK 40MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	228034 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1870MHz									
3.748500	55.50	Pk	33.1	-95.2	-47.55	-54.15	-13	-41.15	V
3.750000	55.35	Pk	33.1	-95.2	-47.50	-54.25	-13	-41.25	H
5.590500	56.07	Pk	34.4	-95.2	-48.15	-52.88	-13	-39.88	V
5.613500	57.07	Pk	34.4	-95.2	-48.20	-51.93	-13	-38.93	H
7.474500	55.92	Pk	35.7	-95.2	-47.80	-51.38	-13	-38.38	V
7.497500	56.16	Pk	35.7	-95.2	-47.85	-51.19	-13	-38.19	H
Mid Channel, 1882.5MHz									
3.749500	54.99	Pk	33.1	-95.2	-47.55	-54.66	-13	-41.66	V
3.759000	56.89	Pk	33.1	-95.2	-47.70	-52.91	-13	-39.91	H
5.648500	55.72	Pk	34.5	-95.2	-47.90	-52.88	-13	-39.88	H
5.659500	55.22	Pk	34.5	-95.2	-47.90	-53.38	-13	-40.38	V
7.470500	55.24	Pk	35.7	-95.2	-47.90	-52.16	-13	-39.16	V
7.480500	57.77	Pk	35.7	-95.2	-47.85	-49.58	-13	-36.58	H
High Channel, 1895MHz									
3.793500	56.03	Pk	33.2	-95.2	-47.80	-53.77	-13	-40.77	V
3.805000	55.96	Pk	33.2	-95.2	-47.60	-53.64	-13	-40.64	H
5.674000	55.76	Pk	34.5	-95.2	-47.90	-52.84	-13	-39.84	V
5.681500	55.88	Pk	34.5	-95.2	-47.95	-52.77	-13	-39.77	H
7.586500	54.89	Pk	35.7	-95.2	-47.00	-51.61	-13	-38.61	H
7.607500	55.47	Pk	35.7	-95.2	-46.90	-50.93	-13	-37.93	V

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

Project #:	15496282
Date:	2025-03-19
Test Engineer:	32534
Configuration:	EUT Only
Mode	5G NR n25 BPSK 40MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	228034 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1870MHz									
3.740000	53.54	Pk	33.1	-95.2	-47.50	-56.06	-13	-43.06	H
3.740000	53.48	Pk	33.1	-95.2	-47.50	-56.12	-13	-43.12	V
5.611000	53.81	Pk	34.4	-95.2	-48.30	-55.29	-13	-42.29	H
5.611000	53.72	Pk	34.4	-95.2	-48.30	-55.38	-13	-42.38	V
7.480000	53.52	Pk	35.7	-95.2	-47.80	-53.78	-13	-40.78	H
7.480000	53.42	Pk	35.7	-95.2	-47.80	-53.88	-13	-40.88	V
Mid Channel, 1882.5MHz									
3.765500	54.61	Pk	33.1	-95.2	-47.55	-55.04	-13	-42.04	H
3.765500	55.64	Pk	33.1	-95.2	-47.55	-54.01	-13	-41.01	V
5.647000	53.51	Pk	34.5	-95.2	-47.90	-55.09	-13	-42.09	H
5.647000	52.24	Pk	34.5	-95.2	-47.90	-56.36	-13	-43.36	V
7.530500	53.23	Pk	35.7	-95.2	-47.70	-53.97	-13	-40.97	H
7.530500	53.53	Pk	35.7	-95.2	-47.70	-53.67	-13	-40.67	V
High Channel, 1895MHz									
3.791000	53.80	Pk	33.2	-95.2	-47.60	-55.80	-13	-42.80	H
3.791000	54.20	Pk	33.2	-95.2	-47.60	-55.40	-13	-42.40	V
5.685500	56.10	Pk	34.5	-95.2	-48.00	-52.60	-13	-39.60	H
5.685500	53.83	Pk	34.5	-95.2	-48.00	-54.87	-13	-41.87	V
7.580500	53.22	Pk	35.7	-95.2	-47.00	-53.28	-13	-40.28	H
7.580500	55.28	Pk	35.7	-95.2	-47.00	-51.22	-13	-38.22	V

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

Project #:	15496282
Date:	2025-04-20
Test Engineer:	32545
Configuration:	EUT Only
Mode	5G NR n25 BPSK 40MHz
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, 1870MHz									
3.740000	52.73	Pk	33.1	-95.2	-47.50	-56.87	-13	-43.87	H
3.740000	53.47	Pk	33.1	-95.2	-47.50	-56.13	-13	-43.13	V
5.610500	56.97	Pk	34.4	-95.2	-48.25	-52.08	-13	-39.08	H
3.740000	52.73	Pk	33.1	-95.2	-47.50	-56.87	-13	-43.87	H
7.481000	53.26	Pk	35.7	-95.2	-47.90	-54.14	-13	-41.14	H
7.481000	54.36	Pk	35.7	-95.2	-47.90	-53.04	-13	-40.04	V
Mid Channel, 1882.5MHz									
3.765500	53.84	Pk	33.1	-95.2	-47.55	-55.81	-13	-42.81	H
3.765500	54.89	Pk	33.1	-95.2	-47.55	-54.76	-13	-41.76	V
5.646500	54.83	Pk	34.5	-95.2	-47.90	-53.77	-13	-40.77	H
5.646500	55.16	Pk	34.5	-95.2	-47.90	-53.44	-13	-40.44	V
7.531000	55.08	Pk	35.7	-95.2	-47.70	-52.12	-13	-39.12	H
7.531000	53.56	Pk	35.7	-95.2	-47.70	-53.64	-13	-40.64	V
High Channel, 1895MHz									
3.790500	55.12	Pk	33.2	-95.2	-47.65	-54.53	-13	-41.53	H
3.790500	54.17	Pk	33.2	-95.2	-47.65	-55.48	-13	-42.48	V
5.685500	54.42	Pk	34.5	-95.2	-48.00	-54.28	-13	-41.28	H
5.685500	53.64	Pk	34.5	-95.2	-48.00	-55.06	-13	-42.06	V
7.580500	53.31	Pk	35.7	-95.2	-47.00	-53.19	-13	-40.19	H
7.580500	52.88	Pk	35.7	-95.2	-47.00	-53.62	-13	-40.62	V

11. SETUP PHOTOS

Refer to 15496282-EP1 for setup photos.

END OF REPORT