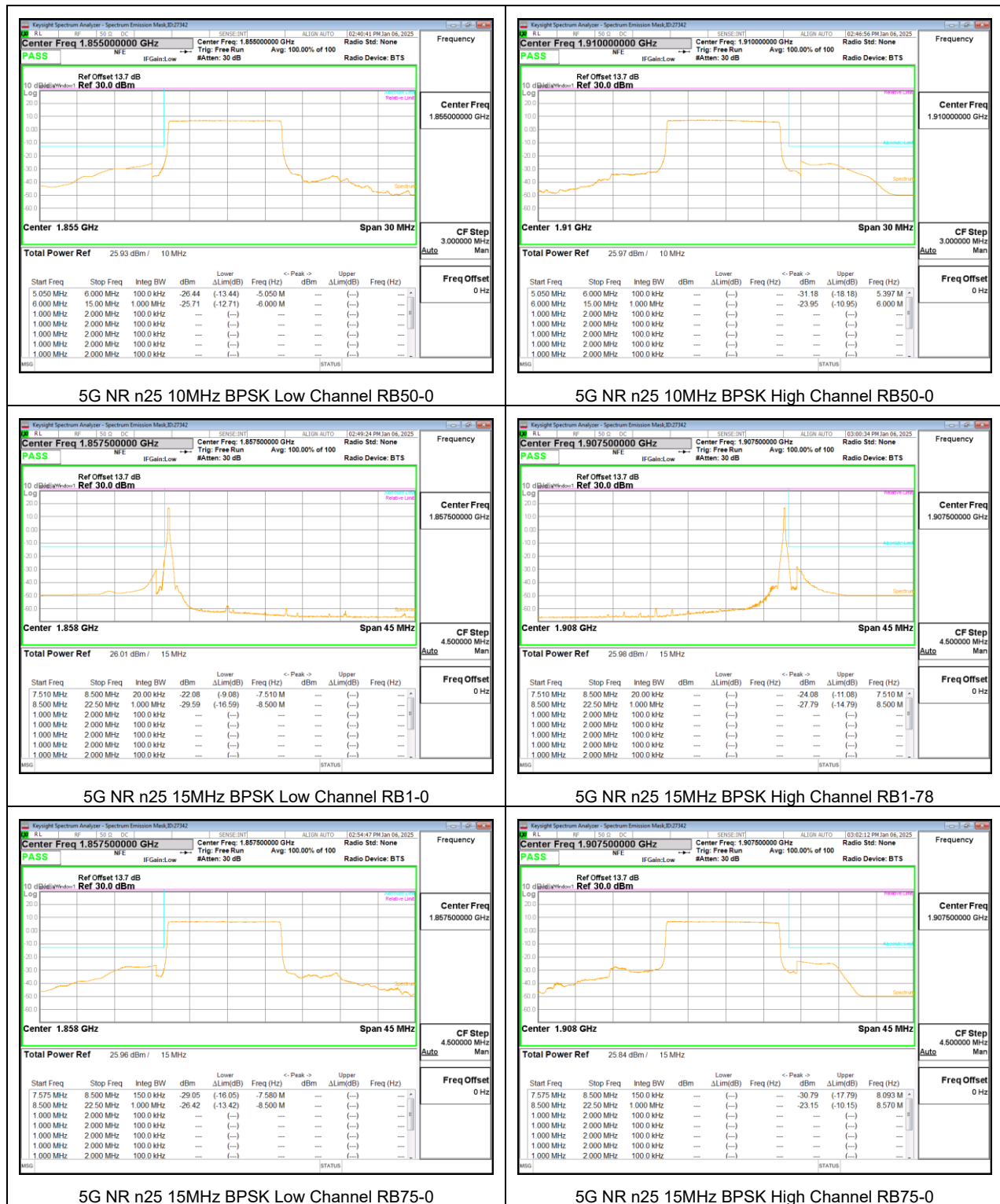
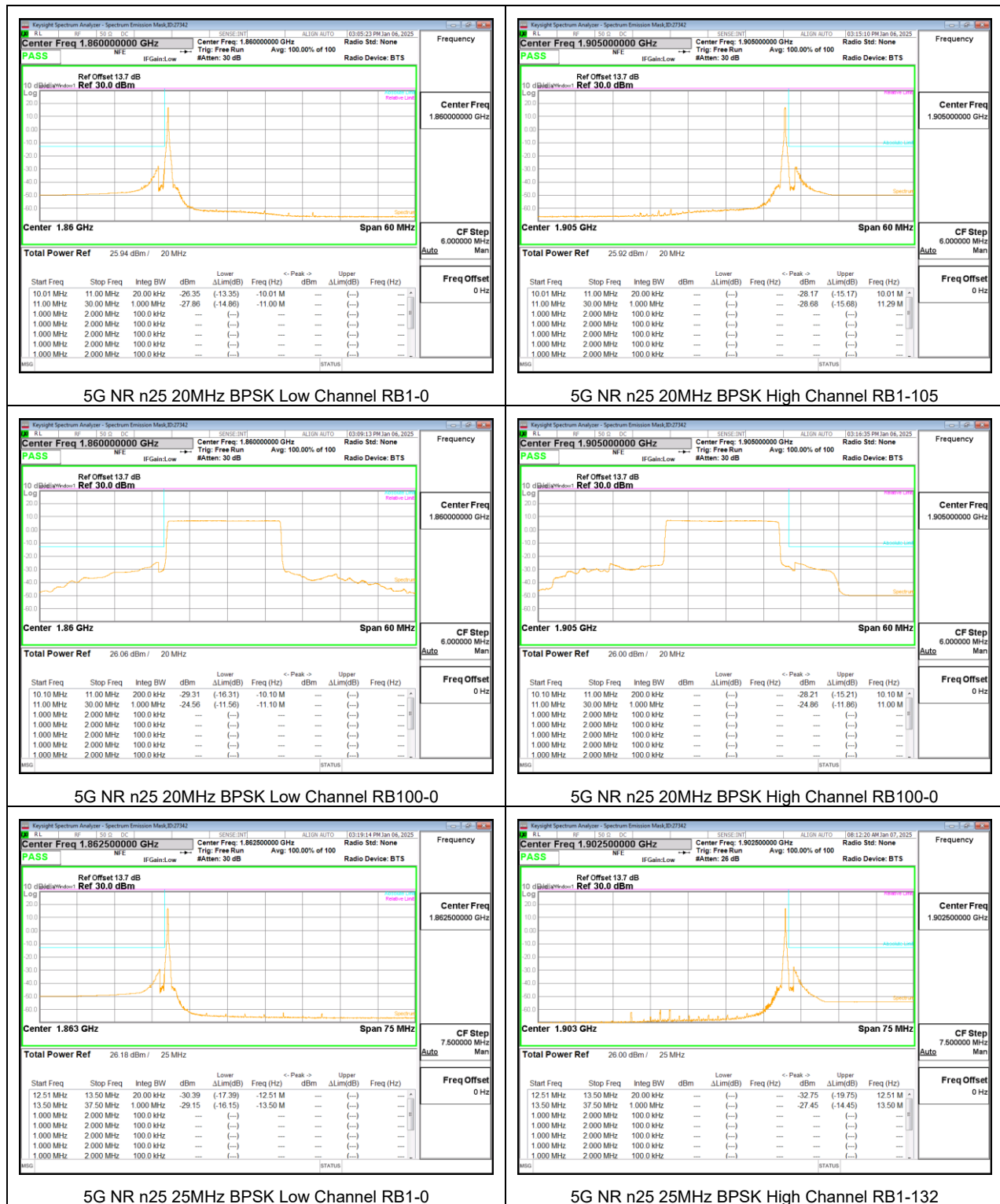
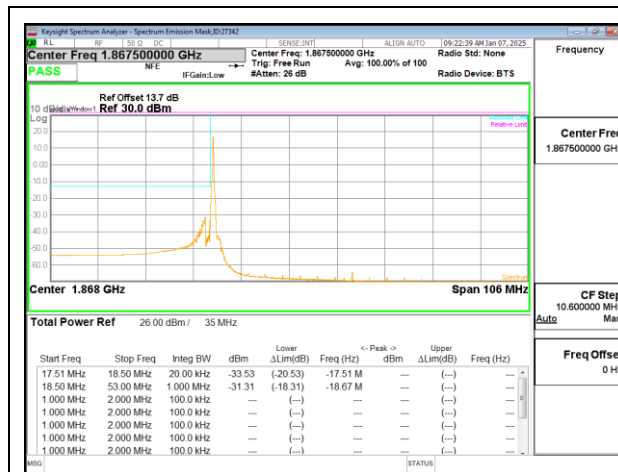


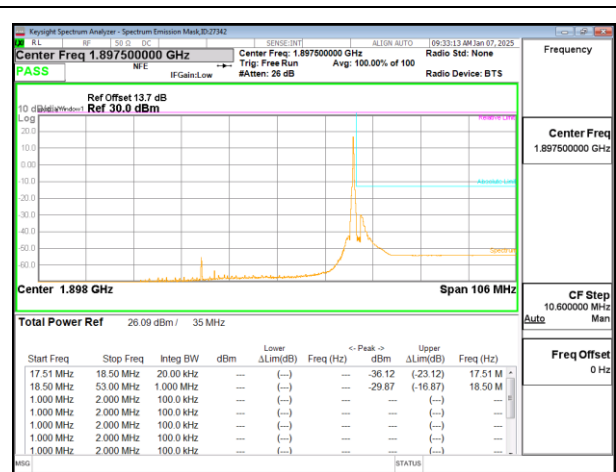




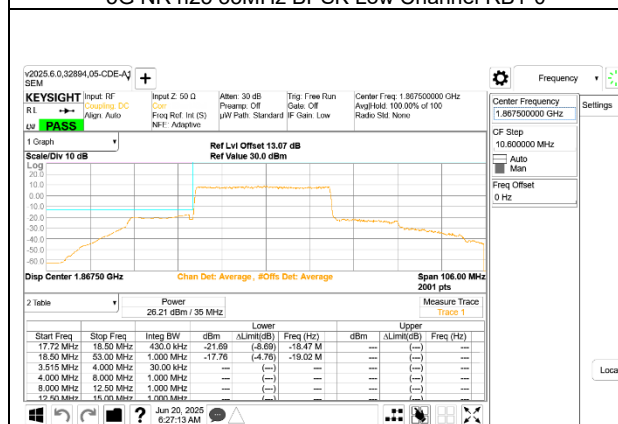




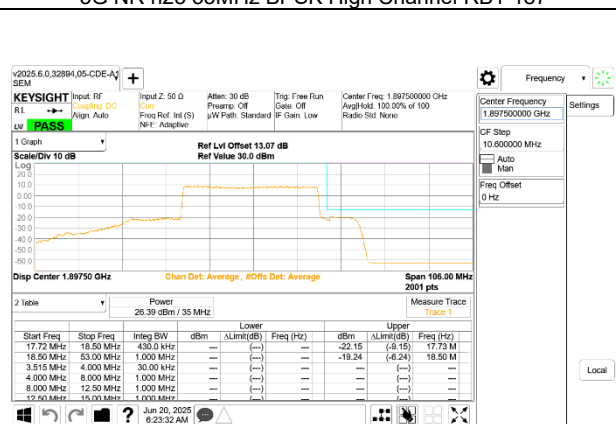
5G NR n25 35MHz BPSK Low Channel RB1-0



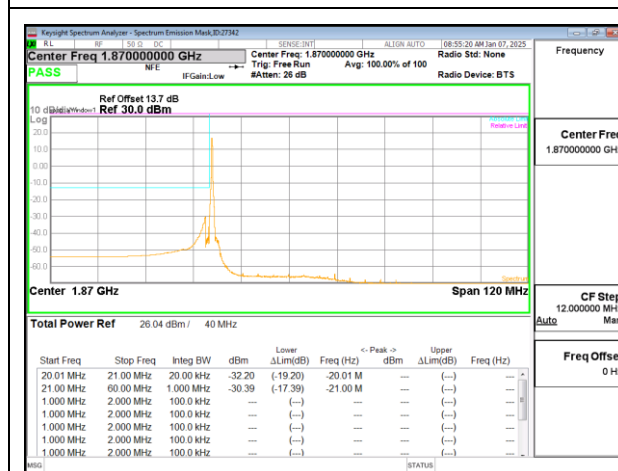
5G NR n25 35MHz BPSK High Channel RB1-187



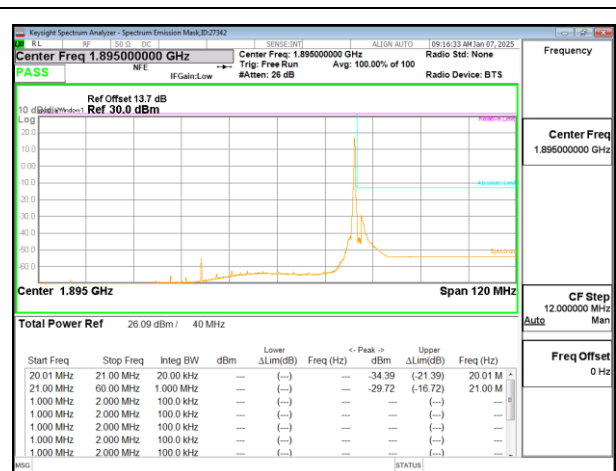
5G NR n25 35MHz BPSK Low Channel RB180-0



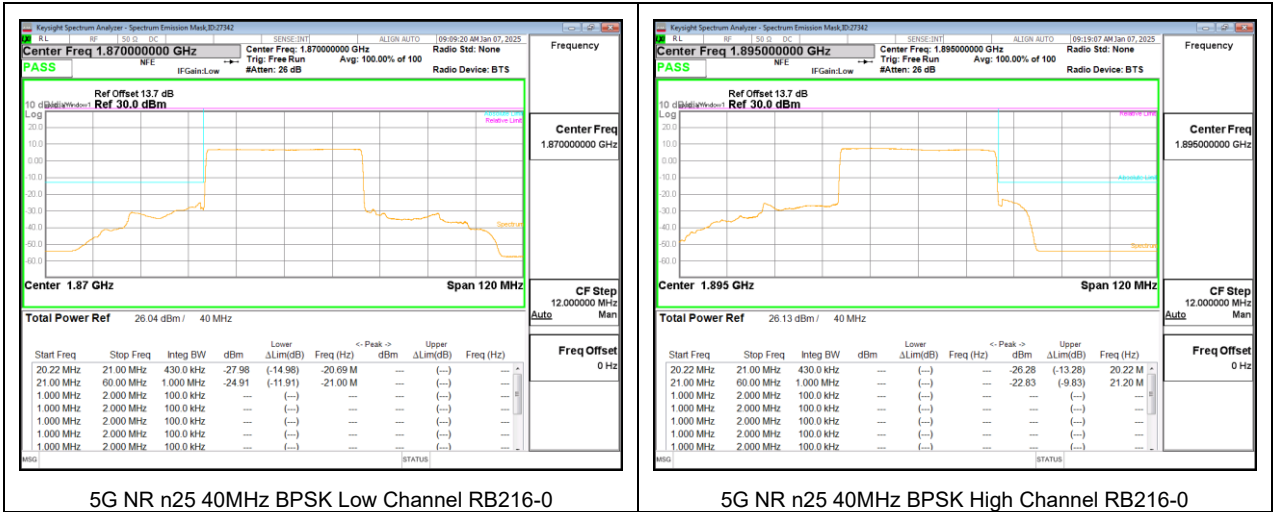
5G NR n25 35MHz BPSK High Channel RB180-0



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

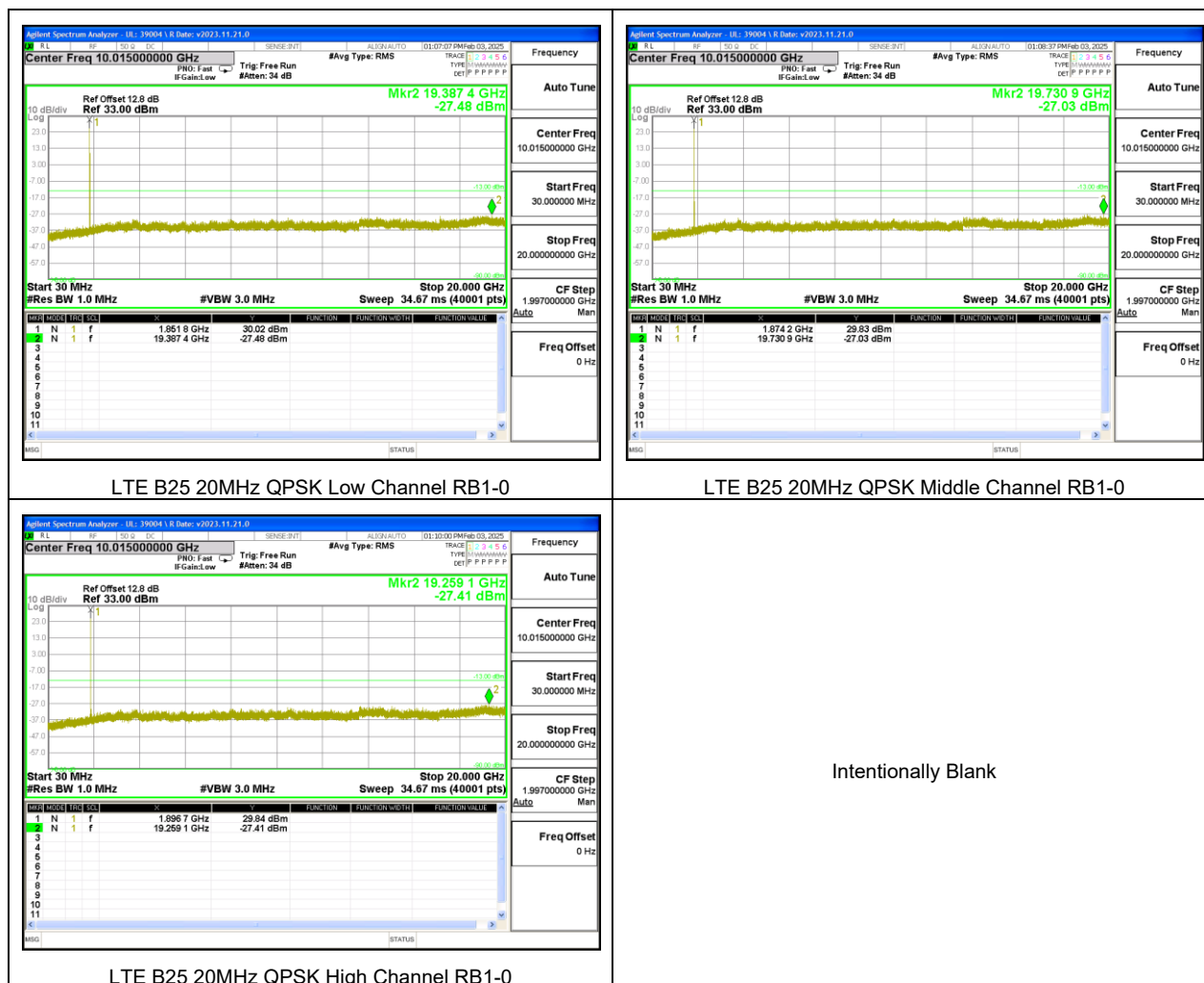
The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case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

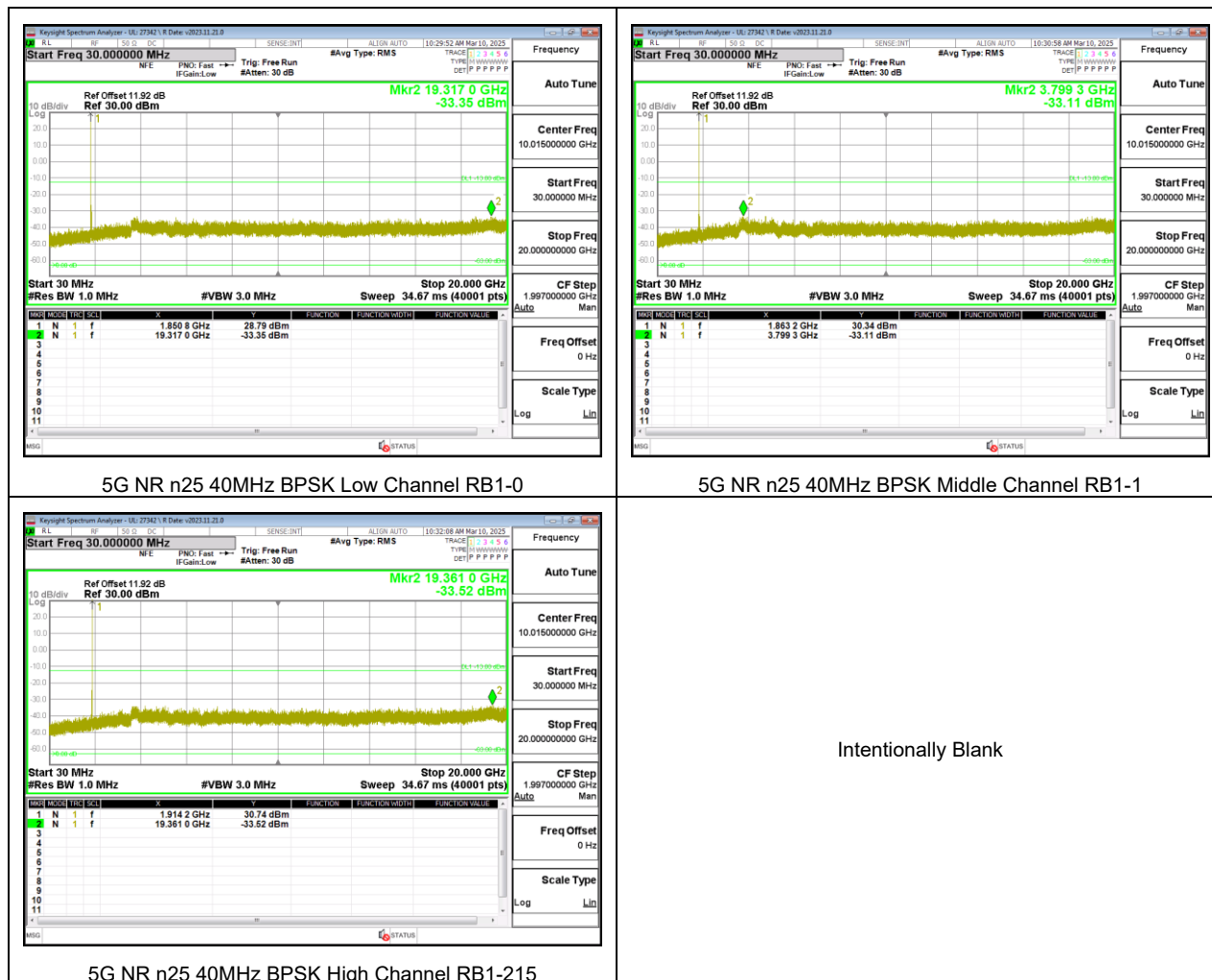
RESULTS

9.3.1. LTE BAND 25



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:	2025-02-28
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Band	25	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1850	1915		2.5	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	
Temperature	Voltage					
Normal (20°C)	Normal	1851.0500	1913.9278			
Extreme (50°C)		1851.0500	1913.9278	0.9	0.000	Yes
Extreme (40°C)		1851.0500	1913.9278	-3.1	-0.002	Yes
Extreme (30°C)		1851.0500	1913.9278	-1.9	-0.001	Yes
Extreme (10°C)		1851.0500	1913.9278	-2.5	-0.001	Yes
Extreme (0°C)		1851.0500	1913.9278	1.1	0.001	Yes
Extreme (-10°C)		1851.0500	1913.9278	0.1	0.000	Yes
Extreme (-20°C)		1851.0500	1913.9278	2.4	0.001	Yes
Extreme (-30°C)		1851.0500	1913.9278	0.7	0.000	Yes
20°C	15%	1851.0500	1913.9278	-0.7	0.000	Yes
	-15%	1851.0500	1913.9278	2.2	0.001	Yes
	End Point Voltage	1851.0500	1913.9278	1.7	0.001	Yes

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

Test Engineer ID:	27700	Test Date:	2025-03-07
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Band	25	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1850	1915		2.5	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	
Temperature	Voltage					
Normal (20°C)	Normal	1850.6805	1914.3045			
Extreme (50°C)		1850.6805	1914.3045	-3.98	-0.002	Yes
Extreme (40°C)		1850.6805	1914.3045	-3.53	-0.002	Yes
Extreme (30°C)		1850.6805	1914.3045	-1.3	-0.001	Yes
Extreme (10°C)		1850.6805	1914.3045	-2.2	-0.001	Yes
Extreme (0°C)		1850.6805	1914.3045	-6.21	-0.003	Yes
Extreme (-10°C)		1850.6805	1914.3045	-1.88	-0.001	Yes
Extreme (-20°C)		1850.6805	1914.3045	-3.14	-0.002	Yes
Extreme (-30°C)		1850.6805	1914.3045	-3.89	-0.002	Yes
20°C	15%	1850.6805	1914.3045	-2.54	-0.001	Yes
	-15%	1850.6805	1914.3045	-1.7	-0.001	Yes
	End Point Voltage	1850.6805	1914.3045	-0.56	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.

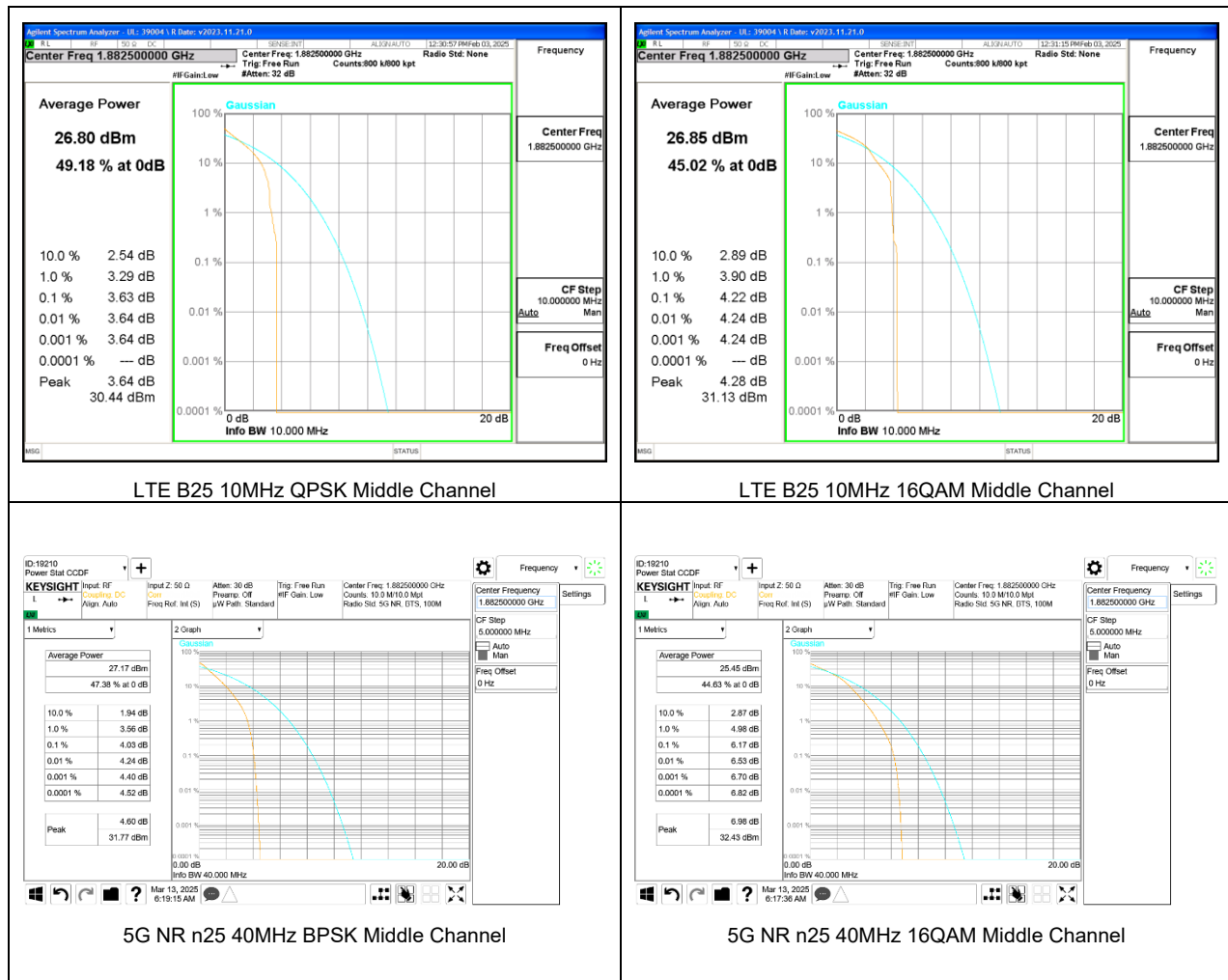
ISED: RSS133§5.5

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:	2025-02-03
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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	
LTE Band 25	1.4MHz	1882.5	6	0	QPSK	30.28	26.72	3.56
					16QAM	31.01	26.65	4.36
	3MHz		15	0	QPSK	30.18	26.80	3.38
					16QAM	31.14	26.93	4.21
	5MHz		25	0	QPSK	30.51	26.81	3.70
					16QAM	30.81	26.81	4.00
	10MHz		50	0	QPSK	30.44	26.80	3.64
					16QAM	31.13	26.85	4.28
	15MHz		75	0	QPSK	30.50	26.90	3.60
					16QAM	31.12	26.84	4.28
20MHz	100	0	QPSK	30.48	26.79	3.69		
			16QAM	31.19	26.87	4.32		
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:	2025-03-12
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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	31.10	26.76	4.34
					16QAM	31.94	25.21	6.73
	10MHz		50	0	BPSK	31.04	26.74	4.30
					16QAM	32.00	25.21	6.79
	15MHz		75	0	BPSK	31.01	26.81	4.20
					16QAM	32.23	25.17	7.06
	20MHz		100	0	BPSK	31.21	26.90	4.31
					16QAM	32.13	25.21	6.92
	25MHz		128	0	BPSK	31.34	26.84	4.50
					16QAM	32.43	25.26	7.17
	30MHz		160	0	BPSK	31.47	27.10	4.37
					16QAM	32.25	25.50	6.75
	35MHz		180	0	BPSK	31.54	27.06	4.48
					16QAM	32.44	25.49	6.95
	40MHz		216	0	BPSK	31.77	27.17	4.60
					16QAM	32.43	25.45	6.98
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.

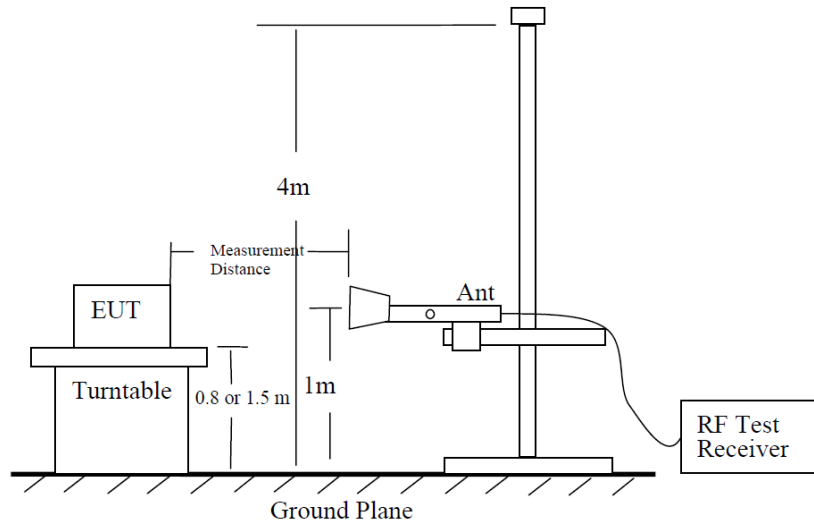


Figure 6 —Test site-up for radiated ERP and/or EIRP measurements

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.

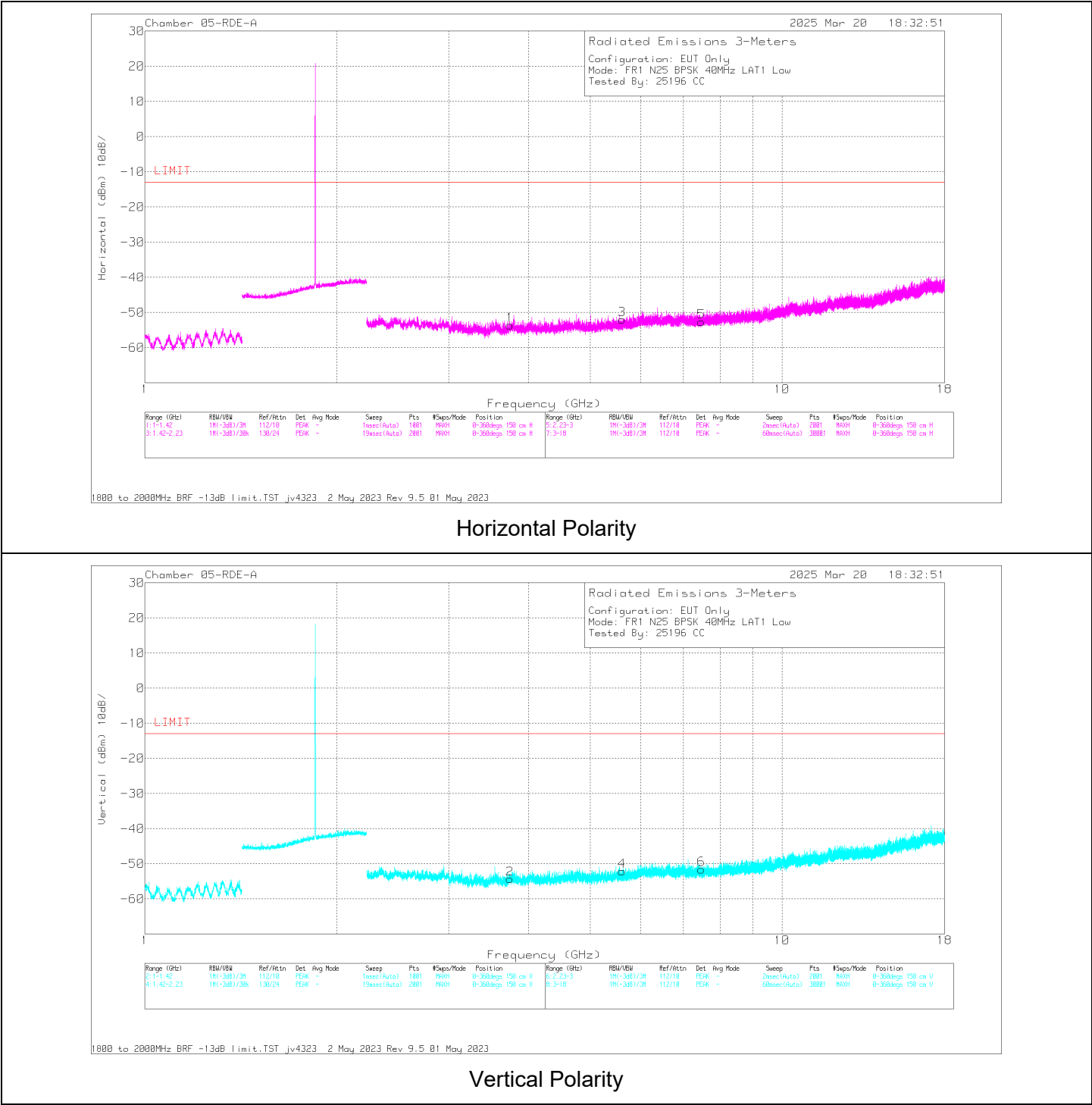
So, from d)

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	80403 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
3.743500	54.61	Pk	33.3	-95.2	-46.3	-53.59	-13	-40.59	H
3.744500	53.95	Pk	33.3	-95.2	-46.4	-54.35	-13	-41.35	V
7.475000	52.15	Pk	35.6	-95.2	-45.2	-52.65	-13	-39.65	H
7.476500	53.20	Pk	35.6	-95.2	-45.2	-51.60	-13	-38.60	V
5.611000	54.48	Pk	34.9	-95.2	-46.2	-52.02	-13	-39.02	H
5.612000	54.46	Pk	34.9	-95.2	-46.3	-52.14	-13	-39.14	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) CRB unit is worst

Date:	2025-06-22
Test Engineer:	45258
Configuration:	EUT Only
Mode:	LTE B25 20MHz QPSK
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Amp/Cbl (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1860MHz									
3.719500	53.68	Pk	33.2	-95.2	-46.10	-54.42	-13	-41.42	H
3.719500	56.17	Pk	33.2	-95.2	-46.10	-51.93	-13	-38.93	V
5.579500	57.56	Pk	34.3	-95.2	-47.78	-51.12	-13	-38.12	H
5.579500	56.17	Pk	34.3	-95.2	-47.78	-52.51	-13	-39.51	V
7.440000	54.23	Pk	35.7	-95.2	-46.87	-52.14	-13	-39.14	V
7.441000	54.95	Pk	35.7	-95.2	-46.89	-51.44	-13	-38.44	H
Mid Channel, 1882.5MHz									
3.764500	55.24	Pk	33.3	-95.2	-46.06	-52.72	-13	-39.72	H
3.765000	54.91	Pk	33.3	-95.2	-46.06	-53.05	-13	-40.05	V
5.647500	58.29	Pk	34.4	-95.2	-47.43	-49.94	-13	-36.94	H
5.647500	56.24	Pk	34.4	-95.2	-47.43	-51.99	-13	-38.99	V
7.530500	54.71	Pk	35.7	-95.2	-47.33	-52.12	-13	-39.12	H
7.532000	55.73	Pk	35.7	-95.2	-47.34	-51.11	-13	-38.11	V
High Channel, 1905MHz									
3.810000	53.75	Pk	33.3	-95.2	-46.25	-54.40	-13	-41.40	H
3.810000	54.48	Pk	33.3	-95.2	-46.25	-53.67	-13	-40.67	V
5.714500	56.60	Pk	34.5	-95.2	-47.20	-51.30	-13	-38.30	H
5.714000	55.93	Pk	34.5	-95.2	-47.22	-51.99	-13	-38.99	V
7.621000	53.60	Pk	35.8	-95.2	-46.88	-52.68	-13	-39.68	H
7.621000	55.51	Pk	35.8	-95.2	-46.88	-50.77	-13	-37.77	V

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

Date:	2025-03-10
Test Engineer:	32703
Configuration:	EUT Only
Mode:	LTE B25 20MHz QPSK
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Amp/Cbl (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1860MHz									
3.700000	53.31	Pk	33.1	-95.2	-46.26	-55.05	-13	-42.05	H
3.700000	54.60	Pk	33.1	-95.2	-46.26	-53.76	-13	-40.76	V
5.551000	55.84	Pk	34.3	-95.2	-47.80	-52.86	-13	-39.86	H
5.551000	55.58	Pk	34.3	-95.2	-47.80	-53.12	-13	-40.12	V
7.400500	52.59	Pk	35.7	-95.2	-46.74	-53.65	-13	-40.65	H
7.400500	53.70	Pk	35.7	-95.2	-46.74	-52.54	-13	-39.54	V
Mid Channel, 1882.5MHz									
3.745500	53.14	Pk	33.2	-95.2	-46.17	-55.03	-13	-42.03	H
3.745500	54.19	Pk	33.2	-95.2	-46.17	-53.98	-13	-40.98	V
5.617500	54.73	Pk	34.3	-95.2	-47.46	-53.63	-13	-40.63	H
5.617500	54.73	Pk	34.3	-95.2	-47.46	-53.63	-13	-40.63	V
7.490500	55.46	Pk	35.7	-95.2	-47.09	-51.13	-13	-38.13	H
7.490500	54.21	Pk	35.7	-95.2	-47.09	-52.38	-13	-39.38	V
High Channel, 1905MHz									
3.790500	52.13	Pk	33.3	-95.2	-46.22	-55.99	-13	-42.99	H
3.790500	54.64	Pk	33.3	-95.2	-46.22	-53.48	-13	-40.48	V
5.685500	54.85	Pk	34.4	-95.2	-47.27	-53.22	-13	-40.22	H
5.685500	53.00	Pk	34.4	-95.2	-47.27	-55.07	-13	-42.07	V
7.580500	54.77	Pk	35.7	-95.2	-47.06	-51.79	-13	-38.79	H
7.580500	53.21	Pk	35.7	-95.2	-47.06	-53.35	-13	-40.35	V

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

Date:	2025-06-22
Test Engineer:	45258
Configuration:	EUT Only
Mode:	LTE B25 20MHz QPSK
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Amp/Cbl (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1860MHz									
3.720500	54.53	Pk	33.1	-95.2	-47.4	-54.97	-13	-41.97	H
3.721500	55.01	Pk	33.1	-95.2	-47.4	-54.49	-13	-41.49	V
5.580500	56.16	Pk	34.4	-95.2	-48.7	-53.34	-13	-40.34	H
5.578750	54.90	Pk	34.4	-95.2	-48.7	-54.60	-13	-41.60	V
7.442000	55.98	Pk	35.7	-95.2	-47.9	-51.42	-13	-38.42	H
7.441000	54.46	Pk	35.7	-95.2	-47.9	-52.94	-13	-39.94	V
Mid Channel, 1882.5MHz									
3.764000	55.74	Pk	33.1	-95.2	-47.7	-54.06	-13	-41.06	H
3.761000	56.36	Pk	33.1	-95.2	-47.8	-53.54	-13	-40.54	V
5.64900	54.69	Pk	34.5	-95.2	-48.3	-54.31	-13	-41.31	H
5.649500	56.21	Pk	34.5	-95.2	-48.3	-52.79	-13	-39.79	V
7.530000	55.57	Pk	35.7	-95.2	-48.0	-51.93	-13	-38.93	H
7.529500	56.04	Pk	35.7	-95.2	-48.0	-51.46	-13	-38.46	V
High Channel, 1905MHz									
3.812500	56.34	Pk	33.2	-95.2	-47.75	-53.41	-13	-40.41	H
3.812000	56.50	Pk	33.2	-95.2	-47.70	-53.20	-13	-40.20	V
5.717000	57.10	Pk	34.6	-95.2	-48.10	-51.60	-13	-38.60	H
5.716000	55.20	Pk	34.6	-95.2	-48.10	-53.50	-13	-40.50	V
7.621000	55.23	Pk	35.7	-95.2	-47.20	-51.47	-13	-38.47	H
7.623000	54.87	Pk	35.7	-95.2	-47.20	-51.83	-13	-38.83	V

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

Date:	2025-03-12
Test Engineer:	31300
Configuration:	EUT Only
Mode:	LTE B25 20MHz QPSK
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Amp/Cbl (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1860MHz									
3.720000	54.94	Pk	33.2	-95.2	-46.09	-53.15	-13	-40.15	H
3.719500	53.22	Pk	33.2	-95.2	-46.10	-54.88	-13	-41.88	V
5.580000	56.61	Pk	34.3	-95.2	-47.78	-52.07	-13	-39.07	H
5.580000	54.41	Pk	34.3	-95.2	-47.78	-54.27	-13	-41.27	V
7.441000	55.18	Pk	35.7	-95.2	-46.89	-51.21	-13	-38.21	H
7.440000	53.83	Pk	35.7	-95.2	-46.87	-52.54	-13	-39.54	V
Mid Channel, 1882.5MHz									
3.764500	53.60	Pk	33.3	-95.2	-46.06	-54.36	-13	-41.36	H
3.764000	53.42	Pk	33.3	-95.2	-46.06	-54.54	-13	-41.54	V
5.646500	54.82	Pk	34.4	-95.2	-47.44	-53.42	-13	-40.42	H
5.646500	55.74	Pk	34.4	-95.2	-47.44	-52.50	-13	-39.50	V
7.530000	53.00	Pk	35.7	-95.2	-47.32	-53.82	-13	-40.82	H
7.530000	53.94	Pk	35.7	-95.2	-47.32	-52.88	-13	-39.88	V
High Channel, 1905MHz									
3.809500	54.71	Pk	33.3	-95.2	-46.25	-53.44	-13	-40.44	H
3.809500	54.64	Pk	33.3	-95.2	-46.25	-53.51	-13	-40.51	V
5.716000	55.42	Pk	34.5	-95.2	-47.15	-52.43	-13	-39.43	H
5.715500	55.65	Pk	34.5	-95.2	-47.17	-52.22	-13	-39.22	V
7.619000	54.32	Pk	35.8	-95.2	-46.92	-52.00	-13	-39.00	H
7.620000	53.53	Pk	35.8	-95.2	-46.91	-52.78	-13	-39.78	V

10.1.2. 5G NR n25

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

Date:	2025-03-20
Test Engineer:	25196
Configuration:	EUT Only
Mode:	5G NR n25 40MHz BPSK
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									
3.743500	54.61	Pk	33.3	-95.2	-46.30	-53.59	-13	-40.59	H
3.744500	53.95	Pk	33.3	-95.2	-46.40	-54.35	-13	-41.35	V
5.611000	54.48	Pk	34.9	-95.2	-46.20	-52.02	-13	-39.02	H
5.612000	54.46	Pk	34.9	-95.2	-46.30	-52.14	-13	-39.14	V
7.475000	52.15	Pk	35.6	-95.2	-45.20	-52.65	-13	-39.65	H
7.476500	53.20	Pk	35.6	-95.2	-45.20	-51.60	-13	-38.60	V
Mid Channel, 1882.5MHz									
3.765500	55.43	Pk	33.3	-95.2	-46.45	-52.92	-13	-39.92	H
3.766500	55.89	Pk	33.3	-95.2	-46.45	-52.46	-13	-39.46	V
5.650000	53.85	Pk	34.9	-95.2	-46.10	-52.55	-13	-39.55	H
5.648000	54.11	Pk	34.9	-95.2	-46.20	-52.39	-13	-39.39	V
7.527000	53.44	Pk	35.7	-95.2	-44.80	-50.86	-13	-37.86	H
7.525500	53.34	Pk	35.7	-95.2	-44.80	-50.96	-13	-37.96	V
High Channel, 1995MHz									
3.796500	54.74	Pk	33.4	-95.2	-46.20	-53.26	-13	-40.26	H
3.794000	54.47	Pk	33.4	-95.2	-46.20	-53.53	-13	-40.53	V
5.691500	54.02	Pk	34.9	-95.2	-46.10	-52.38	-13	-39.38	H
5.686500	53.80	Pk	34.9	-95.2	-46.05	-52.55	-13	-39.55	V
7.577500	52.38	Pk	35.7	-95.2	-44.55	-51.67	-13	-38.67	H
7.576500	52.96	Pk	35.7	-95.2	-44.65	-51.19	-13	-38.19	V

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

Date:	2025-03-19
Test Engineer:	25019
Configuration:	EUT Only
Mode:	5G NR n25 40MHz BPSK
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, 1870MHz									
3.740500	52.40	Pk	33.2	-95.2	-46.19	-55.79	-13	-42.79	H
3.740500	53.00	Pk	33.2	-95.2	-46.19	-55.19	-13	-42.19	V
5.610000	53.45	Pk	34.3	-95.2	-47.50	-54.95	-13	-41.95	H
5.610000	55.17	Pk	34.3	-95.2	-47.50	-53.23	-13	-40.23	V
7.480000	54.76	Pk	35.7	-95.2	-46.99	-51.73	-13	-38.73	H
7.480000	54.19	Pk	35.7	-95.2	-46.99	-52.30	-13	-39.30	V
Mid Channel, 1882.5MHz									
3.491000	51.71	Pk	32.8	-95.2	-45.94	-56.63	-13	-43.63	H
3.491000	53.67	Pk	32.8	-95.2	-45.94	-54.67	-13	-41.67	V
5.235500	54.63	Pk	34.2	-95.2	-48.79	-55.16	-13	-42.16	H
5.235500	55.53	Pk	34.2	-95.2	-48.79	-54.26	-13	-41.26	V
6.980500	52.92	Pk	35.8	-95.2	-46.10	-52.58	-13	-39.58	H
6.980500	54.43	Pk	35.8	-95.2	-46.10	-51.07	-13	-38.07	V
High Channel, 1995MHz									
3.790000	54.16	Pk	33.3	-95.2	-46.22	-53.96	-13	-40.96	H
3.790000	55.05	Pk	33.3	-95.2	-46.22	-53.07	-13	-40.07	V
5.685500	55.33	Pk	34.4	-95.2	-47.27	-52.74	-13	-39.74	H
5.685500	54.12	Pk	34.4	-95.2	-47.27	-53.95	-13	-40.95	V
7.580000	53.38	Pk	35.7	-95.2	-47.04	-53.16	-13	-40.16	H
7.580000	53.43	Pk	35.7	-95.2	-47.04	-53.11	-13	-40.11	V

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

Date:	2025-03-21
Test Engineer:	25196
Configuration:	EUT Only
Mode:	5G NR n25 40MHz BPSK
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									
3.740500	54.51	Pk	33.1	-95.2	-47.50	-55.09	-13	-42.09	H
3.743000	54.85	Pk	33.1	-95.2	-47.60	-54.85	-13	-41.85	V
5.610500	55.41	Pk	34.4	-95.2	-48.55	-53.94	-13	-40.94	H
5.609500	55.69	Pk	34.4	-95.2	-48.55	-53.66	-13	-40.66	V
7.479500	55.16	Pk	35.7	-95.2	-48.25	-52.59	-13	-39.59	H
7.478500	54.88	Pk	35.7	-95.2	-48.20	-52.82	-13	-39.82	V
Mid Channel, 1882.5MHz									
3.765000	55.02	Pk	33.1	-95.2	-47.7	-54.78	-13	-41.78	H
3.767500	55.29	Pk	33.1	-95.2	-47.8	-54.61	-13	-41.61	V
5.648000	55.35	Pk	34.5	-95.2	-48.3	-53.65	-13	-40.65	H
5.647500	57.66	Pk	34.5	-95.2	-48.3	-51.34	-13	-38.34	V
7.532500	54.83	Pk	35.7	-95.2	-47.9	-52.57	-13	-39.57	H
7.531000	53.69	Pk	35.7	-95.2	-47.9	-53.71	-13	-40.71	V
High Channel, 1995MHz									
3.787	56.97	Pk	33.2	-95.2	-47.9	-52.93	-13	-39.93	H
3.7885	55.12	Pk	33.2	-95.2	-47.9	-54.78	-13	-41.78	V
5.684	54.81	Pk	34.5	-95.2	-48.3	-54.19	-13	-41.19	H
5.686	55.62	Pk	34.5	-95.2	-48.3	-53.38	-13	-40.38	V
7.5765	56.12	Pk	35.7	-95.2	-47.45	-50.83	-13	-37.83	H
7.577	54.77	Pk	35.7	-95.2	-47.4	-52.13	-13	-39.13	V

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

Date:	2025-03-21
Test Engineer:	25196
Configuration:	EUT Only
Mode:	5G NR n25 40MHz BPSK
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									
3.770500	55.36	Pk	33.3	-95.2	-46.35	-52.89	-13	-39.89	H
3.766500	54.93	Pk	33.3	-95.2	-46.45	-53.42	-13	-40.42	V
5.652000	54.61	Pk	34.9	-95.2	-46.20	-51.89	-13	-38.89	H
5.648000	55.07	Pk	34.9	-95.2	-46.20	-51.43	-13	-38.43	V
7.523000	53.35	Pk	35.7	-95.2	-44.80	-50.95	-13	-37.95	H
7.526000	52.93	Pk	35.7	-95.2	-44.80	-51.37	-13	-38.37	V
Mid Channel, 1882.5MHz									
3.753500	56.01	Pk	33.3	-95.2	-46.25	-52.14	-13	-39.14	H
3.755500	55.10	Pk	33.3	-95.2	-46.30	-53.10	-13	-40.10	V
5.642000	54.28	Pk	34.9	-95.2	-46.20	-52.22	-13	-39.22	H
5.639500	54.01	Pk	34.9	-95.2	-46.20	-52.49	-13	-39.49	V
7.536000	53.52	Pk	35.7	-95.2	-44.80	-50.78	-13	-37.78	H
7.536000	52.84	Pk	35.7	-95.2	-44.80	-51.46	-13	-38.46	V
High Channel, 1995MHz									
3.789000	54.02	Pk	33.4	-95.2	-46.20	-53.98	-13	-40.98	H
3.788500	54.66	Pk	33.4	-95.2	-46.15	-53.29	-13	-40.29	V
5.681000	54.40	Pk	34.9	-95.2	-46.10	-52.00	-13	-39.00	H
5.679500	54.07	Pk	34.9	-95.2	-46.10	-52.33	-13	-39.33	V
7.575000	52.85	Pk	35.7	-95.2	-44.70	-51.35	-13	-38.35	H
7.578000	53.40	Pk	35.7	-95.2	-44.50	-50.60	-13	-37.60	V

11. SETUP PHOTOS

Refer to 159496224-EP1 for setup photos.

END OF REPORT