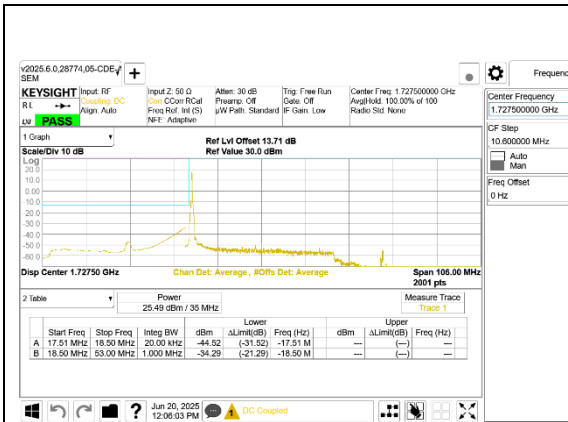
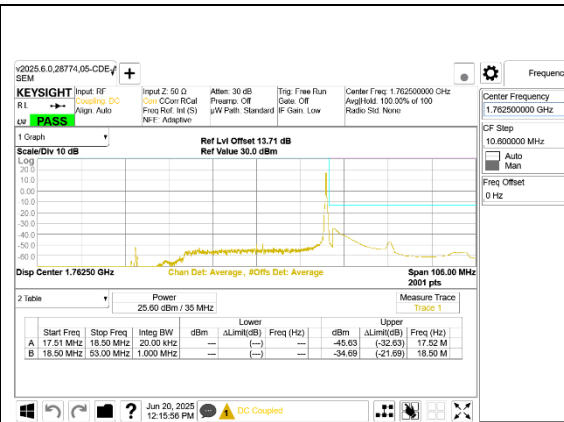




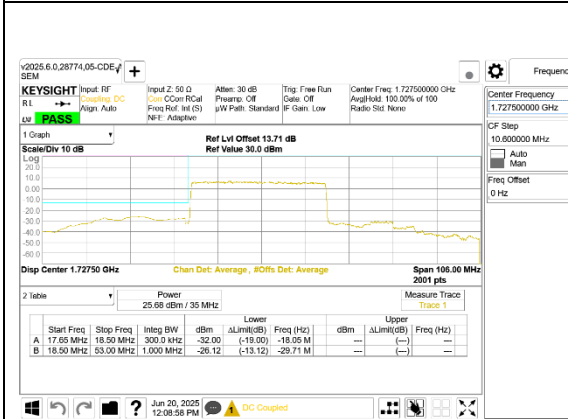




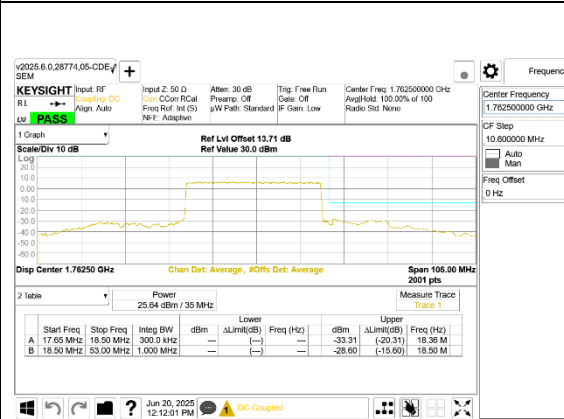
5G NR n66 35MHz BPSK Low Channel RB1-0



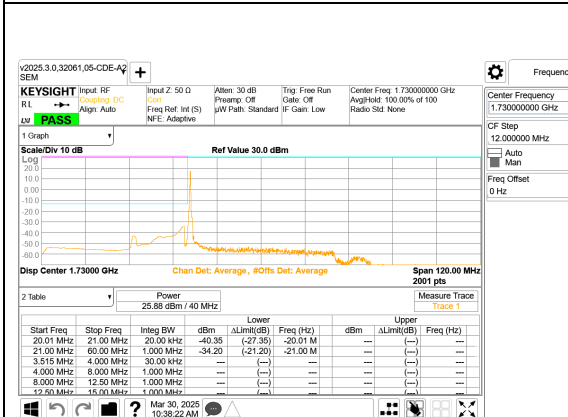
5G NR n66 35MHz BPSK High Channel RB1-187



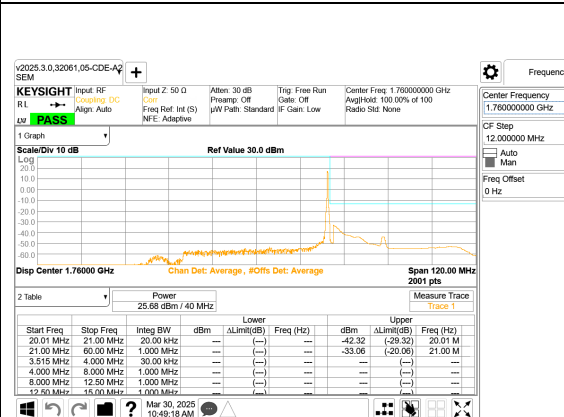
5G NR n66 35MHz BPSK Low Channel RB180-0



5G NR n66 35MHz BPSK High Channel RB180-0



5G NR n66 40MHz BPSK Low Channel RB1-0



5G NR n66 40MHz BPSK High Channel RB1-215



9.3. OUT OF BAND EMISSIONS

LIMITS

FCC: §27.53 (h)

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

ISED: RSS139§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:

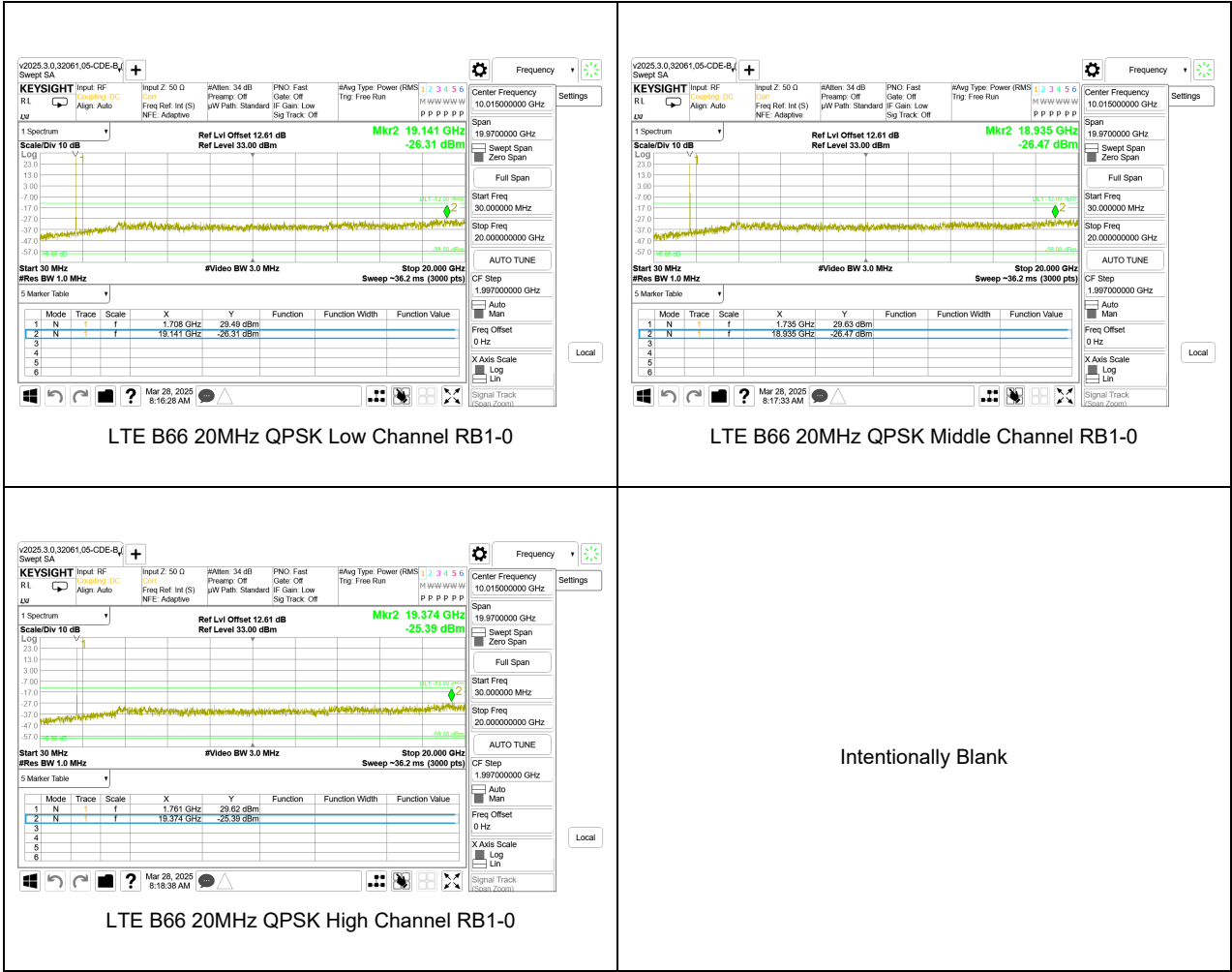
- Set display line at -13 dBm
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
(NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

RESULTS

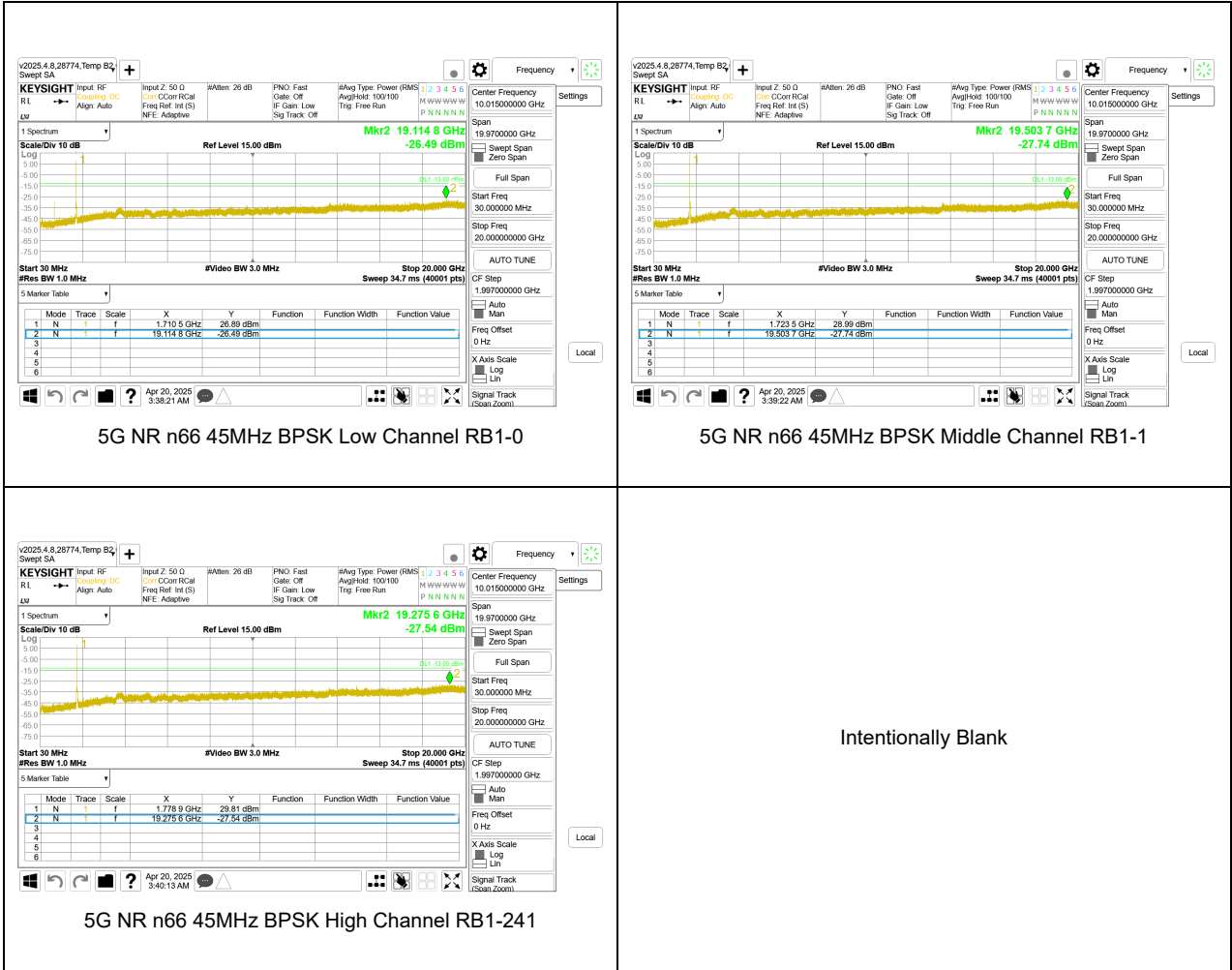
QPSK with 1RB is the highest power to all bandwidth. 1RB has the same frequency and power to all bandwidth. Therefore, QPSK with 1RB and wider bandwidths results are reported as worst case for LTE bands.

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 66



9.3.2. 5G NR n66



9.4. FREQUENCY STABILITY

LIMITS

FCC: §27.54

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

ISED: RSS139§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 66 (QPSK 20MHz BANDWIDTH)

Test Engineer ID:	32546	Test Date:	5/2/2025
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Band	66	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1710	1780			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	1711.0639	1778.9365			
Extreme (50°C)		1711.0639	1778.9365	-7.5	-0.004	Yes
Extreme (40°C)		1711.0639	1778.9365	6.6	0.004	Yes
Extreme (30°C)		1711.0639	1778.9365	-7.0	-0.004	Yes
Extreme (10°C)		1711.0639	1778.9365	-5.2	-0.003	Yes
Extreme (0°C)		1711.0639	1778.9365	6.3	0.004	Yes
Extreme (-10°C)		1711.0639	1778.9365	6.5	0.004	Yes
Extreme (-20°C)		1711.0639	1778.9365	6.9	0.004	Yes
Extreme (-30°C)		1711.0639	1778.9365	6.9	0.004	Yes
20°C	15%	1711.0639	1778.9365	-7.6	-0.004	Yes
	-15%	1711.0639	1778.9365	8.1	0.005	Yes
	End Point Voltage	1711.0639	1778.9365	7.2	0.004	Yes

9.4.2. 5G NR n66 (BPSK 40MHz BANDWIDTH)

Test Engineer ID:	32546	Test Date:	4/28/2025
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Band	66	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1710	1780			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	1710.8950	1778.7463			
Extreme (50°C)		1710.8950	1778.7463	-3.0	-0.002	Yes
Extreme (40°C)		1710.8950	1778.7463	-3.2	-0.002	Yes
Extreme (30°C)		1710.8950	1778.7463	-3.1	-0.002	Yes
Extreme (10°C)		1710.8950	1778.7463	-2.8	-0.002	Yes
Extreme (0°C)		1710.8950	1778.7463	3.5	0.002	Yes
Extreme (-10°C)		1710.8950	1778.7463	-3.2	-0.002	Yes
Extreme (-20°C)		1710.8950	1778.7463	-3.5	-0.002	Yes
Extreme (-30°C)		1710.8950	1778.7463	3.8	0.002	Yes
20°C	15%	1710.8950	1778.7463	3.4	0.002	Yes
	-15%	1710.8950	1778.7463	-2.9	-0.002	Yes
	End Point Voltage	1710.8950	1778.7463	3.7	0.002	Yes

9.5. PEAK-TO-AVERAGE POWER RATIO

LIMIT

FCC: §27.50 (d) (5)

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

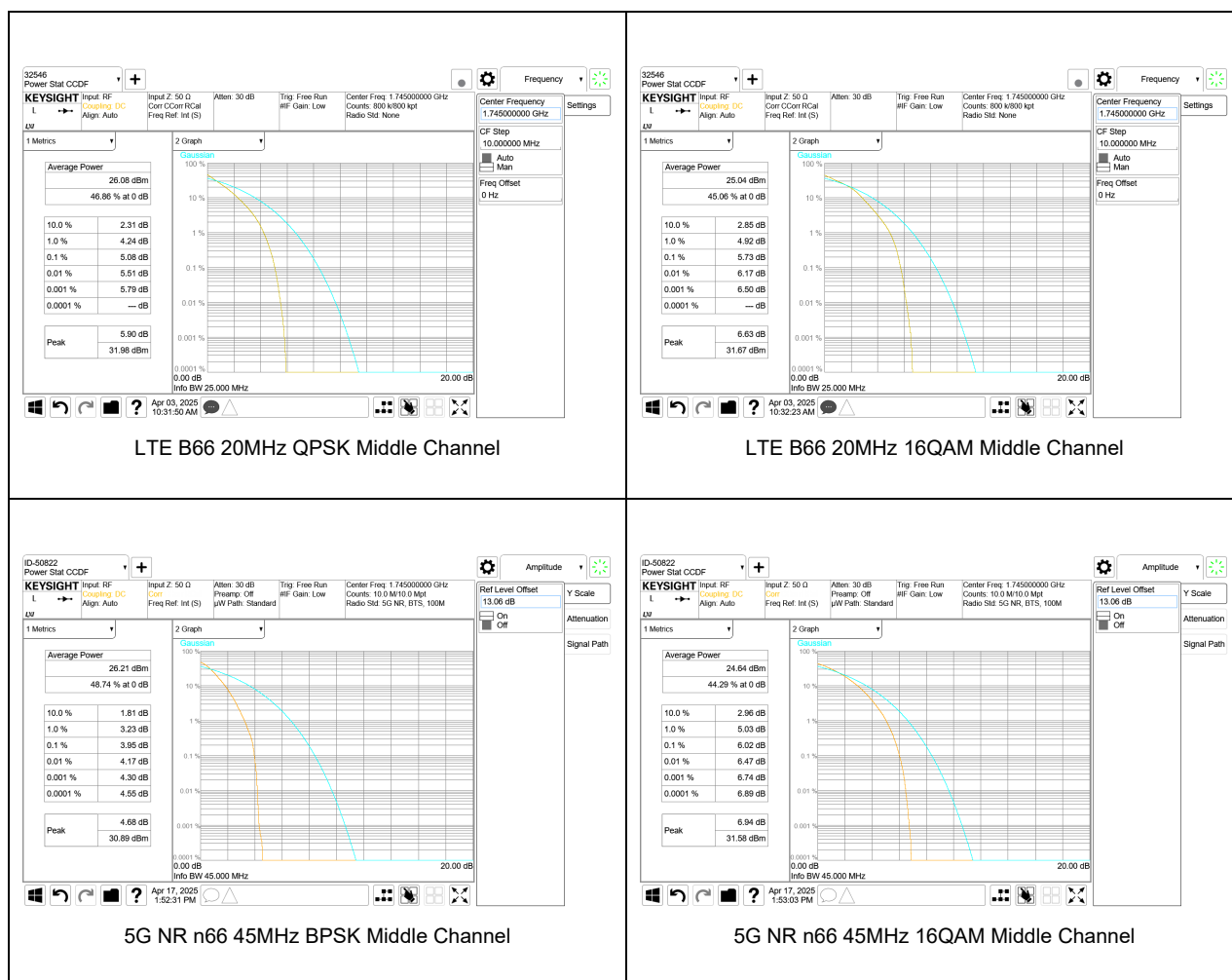
ISED: RSS139§5.5

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 that corresponds to the highest PAPR during periods of continuous transmission.

RESULT

Antenna 2 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 66

Test Engineer ID:	32546	Test Date:	2025-04-02
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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 66	1.4MHz	1745.0	6	0	QPSK	31.39	26.02	5.37
					16QAM	31.13	25.01	6.12
	3MHz		15	0	QPSK	31.54	26.01	5.53
					16QAM	31.46	24.95	6.51
	5MHz		25	0	QPSK	31.66	26.15	5.51
					16QAM	31.37	25.08	6.29
	10MHz		50	0	QPSK	31.42	26.22	5.20
					16QAM	31.22	25.13	6.09
	15MHz		75	0	QPSK	31.83	26.03	5.80
					16QAM	31.43	25.01	6.42
	20MHz		100	0	QPSK	31.98	26.08	5.90
					16QAM	31.67	25.04	6.63
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 n66

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 n66	5MHz	1745.0	25	0	BPSK	31.10	26.36	4.74
					16QAM	31.13	24.83	6.30
	10MHz		50	0	BPSK	31.56	26.37	5.19
					16QAM	31.60	24.81	6.79
	15MHz		75	0	BPSK	31.71	26.32	5.39
					16QAM	31.56	24.71	6.85
	20MHz		100	0	BPSK	31.82	26.24	5.58
					16QAM	31.69	24.67	7.02
	25MHz		128	0	BPSK	31.62	26.21	5.41
					16QAM	32.18	24.75	7.43
	30MHz		160	0	BPSK	31.23	26.23	5.00
					16QAM	31.45	24.73	6.72
	35MHz		180	0	BPSK	31.20	26.3	4.90
					16QAM	31.71	24.69	7.02
	40MHz		216	0	BPSK	31.81	26.19	5.62
					16QAM	31.42	24.66	6.76
	45MHz		240	0	BPSK	30.89	26.21	4.68
					16QAM	31.58	24.64	6.94
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: §27.53 (h)

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: RSS139§5.6

Unwanted emissions shall be measured in terms of average values.

For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors) of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in table 4.

Table 6: Unwanted emission limits	
Offset from the edge of the frequency block or frequency block group	Unwanted emission limits
≤1 MHz	-13 dBm/(1% of B*)
>1 MHz	-13 dBm/MHz

*B is the frequency block or frequency block group.

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.

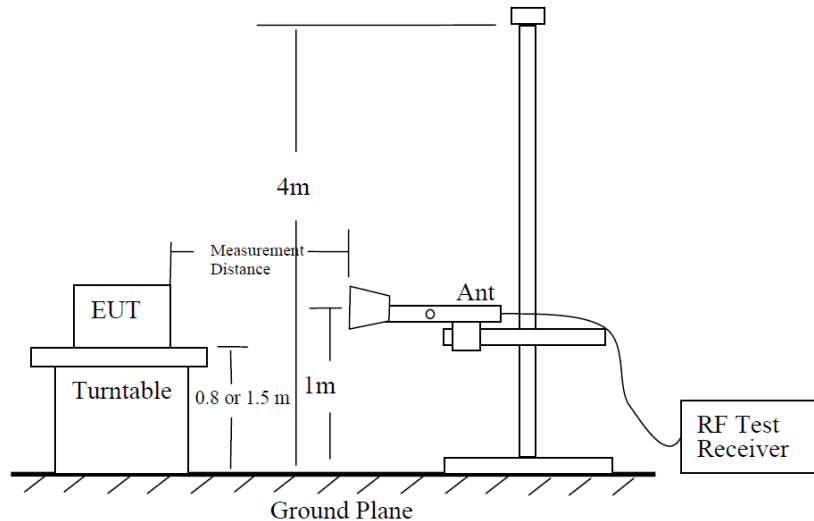


Figure 6 —Test site-up for radiated ERP and/or EIRP measurements

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.

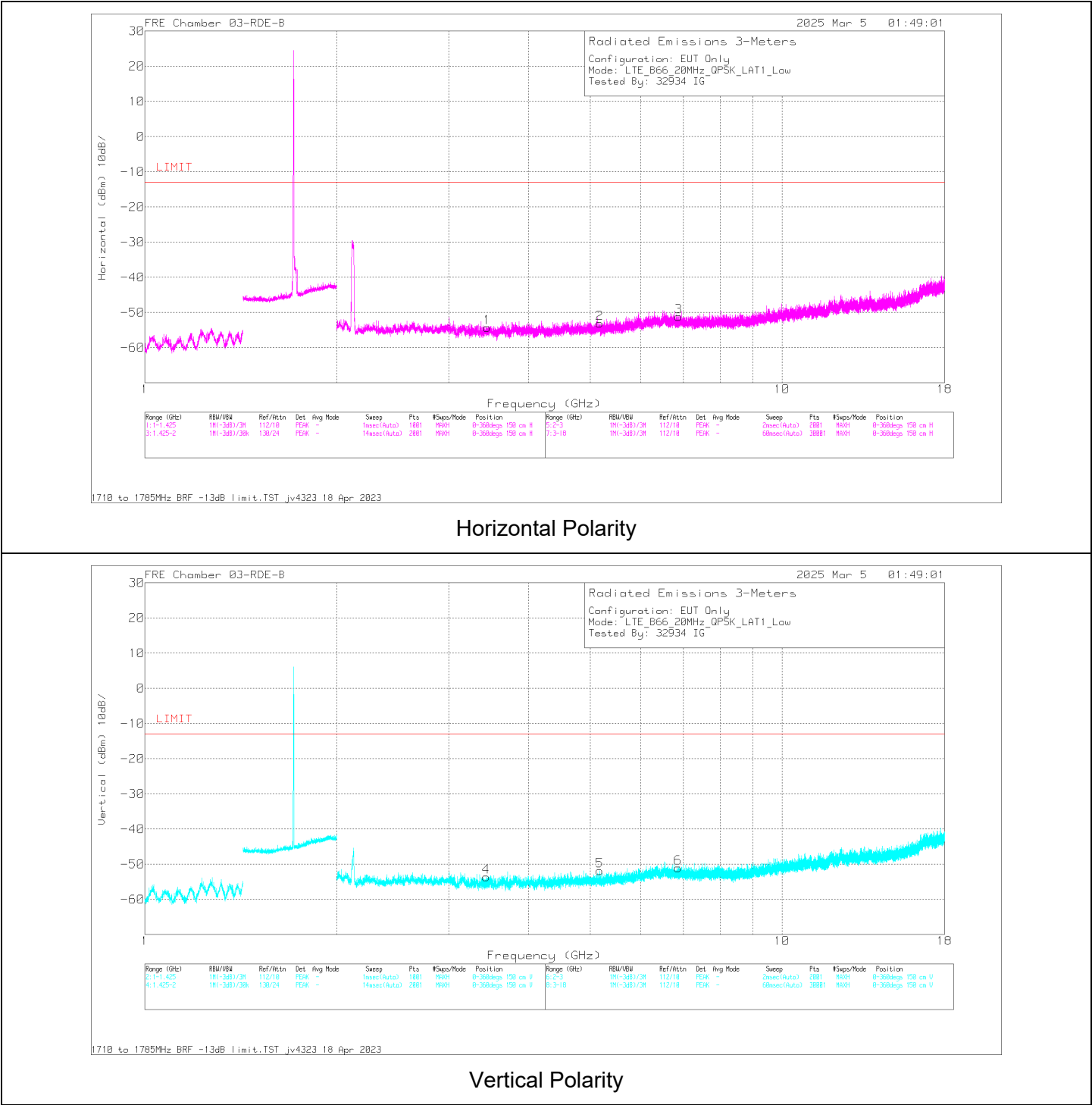
So, from d)

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	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
4	3.434500	56.43	Pk	32.8	-95.2	-47.60	-53.57	-13	-40.57	V
1	3.446000	55.61	Pk	32.8	-95.2	-47.50	-54.29	-13	-41.29	H
5	5.173500	58.19	Pk	34.1	-95.2	-48.90	-51.81	-13	-38.81	V
2	5.178000	56.89	Pk	34.1	-95.2	-48.90	-53.11	-13	-40.11	H
6	6.870000	55.52	Pk	35.6	-95.2	-47.00	-51.08	-13	-38.08	V
3	6.877500	55.46	Pk	35.6	-95.2	-47.00	-51.14	-13	-38.14	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 66

LTE BAND 66 (QPSK 20.0MHZ BANDWIDTH, ANT 3)

Project #:	15496282
Date:	2025-03-18
Test Engineer:	32934
Configuration:	EUT Only
Mode	LTE B66 QPSK 20MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Amp/Cbl (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 1720MHz									
3.406000	55.83	Pk	32.8	-95.2	-47.60	-54.17	-13	-41.17	V
3.434000	55.79	Pk	32.8	-95.2	-47.60	-54.21	-13	-41.21	H
5.133500	58.77	Pk	34.1	-95.2	-49.10	-51.43	-13	-38.43	H
5.149000	57.32	Pk	34.1	-95.2	-49.10	-52.88	-13	-39.88	V
6.858500	55.70	Pk	35.6	-95.2	-47.00	-50.90	-13	-37.90	V
6.885000	54.87	Pk	35.6	-95.2	-46.90	-51.63	-13	-38.63	H
Mid Channel, 1745MHz									
3.485000	55.55	Pk	32.7	-95.2	-46.90	-53.85	-13	-40.85	V
3.496500	55.64	Pk	32.7	-95.2	-46.85	-53.71	-13	-40.71	H
5.236000	55.76	Pk	34.2	-95.2	-48.60	-53.84	-13	-40.84	H
5.273500	56.96	Pk	34.2	-95.2	-48.75	-52.79	-13	-39.79	V
6.954000	54.99	Pk	35.6	-95.2	-46.40	-51.01	-13	-38.01	V
6.966000	55.81	Pk	35.6	-95.2	-46.50	-50.29	-13	-37.29	H
High Channel, 1770MHz									
3.536000	54.57	Pk	32.8	-95.2	-46.70	-54.53	-13	-41.53	V
3.549000	55.23	Pk	32.8	-95.2	-46.80	-53.97	-13	-40.97	H
5.301000	57.13	Pk	34.2	-95.2	-48.50	-52.37	-13	-39.37	V
5.318500	56.77	Pk	34.2	-95.2	-48.65	-52.88	-13	-39.88	H
7.082500	56.24	Pk	35.7	-95.2	-47.50	-50.76	-13	-37.76	H
7.116000	55.25	Pk	35.7	-95.2	-47.40	-51.65	-13	-38.65	V

LTE BAND 66 (QPSK 20.0MHZ BANDWIDTH, ANT 2)

Project #:	15496282
Date:	2025-03-08
Test Engineer:	32934
Configuration:	EUT Only
Mode	LTE B66 QPSK 20MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Amp/Cbl (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 1720MHz									
3.426500	56.13	Pk	32.8	-95.2	-47.50	-53.77	-13	-40.77	V
3.442500	56.41	Pk	32.8	-95.2	-47.35	-53.34	-13	-40.34	H
5.123500	57.87	Pk	34.1	-95.2	-49.15	-52.38	-13	-39.38	V
5.149000	57.48	Pk	34.1	-95.2	-49.10	-52.72	-13	-39.72	H
6.860500	55.42	Pk	35.6	-95.2	-47.00	-51.18	-13	-38.18	V
6.889500	55.83	Pk	35.6	-95.2	-46.80	-50.57	-13	-37.57	H
Mid Channel, 1745MHz									
3.485500	55.87	Pk	32.7	-95.2	-46.9	-53.53	-13	-40.53	V
3.492500	55.90	Pk	32.7	-95.2	-46.85	-53.45	-13	-40.45	H
5.233000	56.82	Pk	34.2	-95.2	-48.70	-52.88	-13	-39.88	V
5.245500	57.00	Pk	34.2	-95.2	-48.70	-52.70	-13	-39.70	H
6.968000	55.71	Pk	35.6	-95.2	-46.50	-50.39	-13	-37.39	V
6.987000	56.40	Pk	35.6	-95.2	-46.60	-49.8	-13	-36.80	H
High Channel, 1770MHz									
3.544500	55.72	Pk	32.8	-95.2	-46.9	-53.58	-13	-40.58	V
3.549500	55.32	Pk	32.8	-95.2	-46.85	-53.93	-13	-40.93	H
5.307500	57.57	Pk	34.2	-95.2	-48.70	-52.13	-13	-39.13	H
5.310500	57.39	Pk	34.2	-95.2	-48.70	-52.31	-13	-39.31	V
7.076500	55.91	Pk	35.7	-95.2	-47.50	-51.09	-13	-38.09	H
7.085000	56.18	Pk	35.7	-95.2	-47.40	-50.72	-13	-37.72	V

LTE BAND 66 (QPSK 20.0MHZ BANDWIDTH, ANT 1)

Project #:	15496282
Date:	2025-03-05
Test Engineer:	32934
Configuration:	EUT Only
Mode	LTE B66 QPSK 20MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBUV)	Det	223084 ACF (dB/m)	EIRP CF	Amp/Cbl (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 1720MHz									
3.434500	56.43	Pk	32.8	-95.2	-47.60	-53.57	-13	-40.57	V
3.446000	55.61	Pk	32.8	-95.2	-47.50	-54.29	-13	-41.29	H
5.173500	58.19	Pk	34.1	-95.2	-48.90	-51.81	-13	-38.81	V
5.178000	56.89	Pk	34.1	-95.2	-48.90	-53.11	-13	-40.11	H
6.870000	55.52	Pk	35.6	-95.2	-47.00	-51.08	-13	-38.08	V
6.877500	55.46	Pk	35.6	-95.2	-47.00	-51.14	-13	-38.14	H
Mid Channel, 1745MHz									
3.492000	56.74	Pk	32.7	-95.2	-46.8	-52.56	-13	-39.56	V
3.493500	56.63	Pk	32.7	-95.2	-46.85	-52.72	-13	-39.72	H
5.250500	56.83	Pk	34.2	-95.2	-48.8	-52.97	-13	-39.97	H
5.268500	56.26	Pk	34.2	-95.2	-48.8	-53.54	-13	-40.54	V
6.927000	56.91	Pk	35.6	-95.2	-46.4	-49.09	-13	-36.09	V
6.981000	55.66	Pk	35.6	-95.2	-46.6	-50.54	-13	-37.54	H
High Channel, 1770MHz									
3.521000	56.27	Pk	32.8	-95.2	-47.00	-53.13	-13	-40.13	V
3.541500	54.95	Pk	32.8	-95.2	-46.80	-54.25	-13	-41.25	H
5.308000	57.27	Pk	34.2	-95.2	-48.70	-52.43	-13	-39.43	H
5.314000	57.40	Pk	34.2	-95.2	-48.60	-52.20	-13	-39.20	V
7.064500	55.96	Pk	35.7	-95.2	-47.45	-50.99	-13	-37.99	V
7.070500	55.40	Pk	35.7	-95.2	-47.40	-51.50	-13	-38.50	H

LTE BAND 66 (QPSK 20.0MHZ BANDWIDTH, ANT 4)

Project #:	15496282
Date:	2025-03-22
Test Engineer:	32934
Configuration:	EUT Only
Mode	LTE B66 QPSK 20MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Amp/Cbl (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 1720MHz									
5.142000	57.94	Pk	34.1	-95.2	-49.2	-52.36	-13	-39.36	H
3.424000	56.22	Pk	32.8	-95.2	-47.6	-53.78	-13	-40.78	V
3.432500	55.92	Pk	32.8	-95.2	-47.45	-53.93	-13	-40.93	H
5.157000	57.30	Pk	34.1	-95.2	-49.20	-53.00	-13	-40.00	V
6.877000	55.30	Pk	35.6	-95.2	-47.00	-51.30	-13	-38.30	V
6.883000	55.07	Pk	35.6	-95.2	-46.90	-51.43	-13	-38.43	H
Mid Channel, 1745MHz									
3.550978	56.46	Pk	32.8	-95.2	-46.90	-52.84	-13	-39.84	H
3.552500	54.86	Pk	32.8	-95.2	-46.80	-54.34	-13	-41.34	V
5.233000	55.96	Pk	34.2	-95.2	-48.70	-53.74	-13	-40.74	V
5.243500	56.10	Pk	34.2	-95.2	-48.60	-53.50	-13	-40.50	H
6.988500	55.07	Pk	35.6	-95.2	-46.60	-51.13	-13	-38.13	H
7.010000	54.78	Pk	35.6	-95.2	-46.90	-51.72	-13	-38.72	V
High Channel, 1770MHz									
3.554500	55.38	Pk	32.8	-95.2	-46.95	-53.97	-13	-40.97	H
3.545500	56.14	Pk	32.8	-95.2	-46.85	-53.11	-13	-40.11	V
5.283000	56.63	Pk	34.2	-95.2	-48.70	-53.07	-13	-40.07	V
5.309000	57.51	Pk	34.2	-95.2	-48.70	-52.19	-13	-39.19	H
7.084500	55.37	Pk	35.7	-95.2	-47.40	-51.53	-13	-38.53	H
7.135500	56.96	Pk	35.7	-95.2	-47.25	-49.79	-13	-36.79	V

10.1.2. 5G NR n66

5G NR n66 (BPSK 45.0MHZ BANDWIDTH, ANT 3)

Project #:	15496282
Date:	2025-03-18
Test Engineer:	32934
Configuration:	EUT Only
Mode	5G NR n66 BPSK 45MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 1732.5MHz									
3.140282	58.51	Pk	33.3	-95.2	-48.10	-51.49	-13	-38.49	V
3.141236	58.66	Pk	33.3	-95.2	-48.08	-51.32	-13	-38.32	H
5.187894	58.91	Pk	34.0	-95.2	-49.00	-51.29	-13	-38.29	H
5.189002	58.28	Pk	34.0	-95.2	-49.10	-52.02	-13	-39.02	V
6.920574	56.20	Pk	35.6	-95.2	-46.40	-49.80	-13	-36.80	H
6.921561	57.05	Pk	35.6	-95.2	-46.40	-48.95	-13	-35.95	V
Mid Channel, 1745MHz									
3.489424	57.08	Pk	32.7	-95.2	-46.70	-52.12	-13	-39.12	V
3.489679	57.09	Pk	32.7	-95.2	-46.70	-52.11	-13	-39.11	H
5.232660	58.14	Pk	34.2	-95.2	-48.70	-51.56	-13	-38.56	V
5.235031	58.39	Pk	34.2	-95.2	-48.70	-51.31	-13	-38.31	H
6.571231	55.93	Pk	35.6	-95.2	-45.70	-49.37	-13	-36.37	H
6.572036	55.73	Pk	35.6	-95.2	-45.70	-49.57	-13	-36.57	V
High Channel, 1757.5MHz									
3.521000	52.52	Pk	32.8	-95.2	-47.00	-56.88	-13	-43.88	H
3.521000	53.21	Pk	32.8	-95.2	-47.00	-56.19	-13	-43.19	V
5.180500	54.68	Pk	34.1	-95.2	-48.95	-55.37	-13	-42.37	H
5.180500	55.63	Pk	34.1	-95.2	-48.95	-54.42	-13	-41.42	V
7.040500	52.90	Pk	35.6	-95.2	-47.30	-54.00	-13	-41.00	H
7.040500	54.39	Pk	35.6	-95.2	-47.30	-52.51	-13	-39.51	V

5G NR n66 (BPSK 45.0MHZ BANDWIDTH, ANT 2)

Project #:	15496282
Date:	2025-03-13
Test Engineer:	32934
Configuration:	EUT Only
Mode	5G NR n66 BPSK 45MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 1732.5MHz									
3.455500	56.38	Pk	32.8	-95.2	-47.35	-53.37	-13	-40.37	V
3.472000	55.98	Pk	32.7	-95.2	-47.00	-53.52	-13	-40.52	H
5.085500	58.63	Pk	34.0	-95.2	-49.05	-51.62	-13	-38.62	H
5.096000	57.02	Pk	34.0	-95.2	-49.10	-53.28	-13	-40.28	V
6.918000	54.36	Pk	35.6	-95.2	-46.40	-51.64	-13	-38.64	V
6.918500	54.83	Pk	35.6	-95.2	-46.40	-51.17	-13	-38.17	H
Mid Channel, 1745MHz									
3.469500	55.54	Pk	32.7	-95.2	-47.30	-54.26	-13	-41.26	V
3.494000	55.59	Pk	32.7	-95.2	-46.80	-53.71	-13	-40.71	H
5.226500	56.70	Pk	34.1	-95.2	-48.70	-53.10	-13	-40.10	V
5.229500	57.74	Pk	34.1	-95.2	-48.65	-52.01	-13	-39.01	H
6.999000	54.79	Pk	35.6	-95.2	-46.80	-51.61	-13	-38.61	H
7.020500	54.89	Pk	35.6	-95.2	-47.00	-51.71	-13	-38.71	V
High Channel, 1757.5MHz									
3.529500	54.67	Pk	32.8	-95.2	-46.85	-54.58	-13	-41.58	V
3.530500	55.01	Pk	32.8	-95.2	-46.85	-54.24	-13	-41.24	H
5.249000	57.07	Pk	34.2	-95.2	-48.70	-52.63	-13	-39.63	V
5.278000	56.91	Pk	34.2	-95.2	-48.70	-52.79	-13	-39.79	H
7.027000	54.86	Pk	35.6	-95.2	-47.00	-51.74	-13	-38.74	H
7.030000	54.88	Pk	35.6	-95.2	-47.00	-51.72	-13	-38.72	V

5G NR n66 (BPSK 45.0MHZ BANDWIDTH, ANT 1)

Project #:	15496282
Date:	2025-03-12
Test Engineer:	32934
Configuration:	EUT Only
Mode	5G NR n66 BPSK 45MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 1732.5MHz									
3.458000	54.08	Pk	32.8	-95.2	-47.30	-55.62	-13	-42.62	H
3.458000	53.25	Pk	32.8	-95.2	-47.30	-56.45	-13	-43.45	V
5.194000	54.12	Pk	34.1	-95.2	-49.10	-56.08	-13	-43.08	H
5.194000	54.68	Pk	34.1	-95.2	-49.10	-55.52	-13	-42.52	V
6.918500	52.82	Pk	35.6	-95.2	-46.40	-53.18	-13	-40.18	H
6.918500	53.29	Pk	35.6	-95.2	-46.40	-52.71	-13	-39.71	V
Mid Channel, 1745MHz									
3.493500	53.97	Pk	32.7	-95.2	-46.85	-55.38	-13	-42.38	H
3.493500	54.01	Pk	32.7	-95.2	-46.85	-55.34	-13	-42.34	V
5.235000	53.57	Pk	34.2	-95.2	-48.70	-56.13	-13	-43.13	H
5.235000	54.33	Pk	34.2	-95.2	-48.70	-55.37	-13	-42.37	V
6.981000	52.02	Pk	35.6	-95.2	-46.60	-54.18	-13	-41.18	H
6.981000	54.42	Pk	35.6	-95.2	-46.60	-51.78	-13	-38.78	V
High Channel, 1757.5MHz									
3.524000	52.73	Pk	32.8	-95.2	-46.90	-56.57	-13	-43.57	H
3.524000	53.00	Pk	32.8	-95.2	-46.90	-56.30	-13	-43.30	V
5.280500	53.91	Pk	34.2	-95.2	-48.75	-55.84	-13	-42.84	H
5.280500	54.75	Pk	34.2	-95.2	-48.75	-55.00	-13	-42.00	V
7.038000	53.42	Pk	35.6	-95.2	-47.30	-53.48	-13	-40.48	H
7.038000	53.11	Pk	35.6	-95.2	-47.30	-53.79	-13	-40.79	V

5G NR n66 (BPSK 45.0MHZ BANDWIDTH, ANT 4)

Project #:	15496282
Date:	2025-03-21
Test Engineer:	32934
Configuration:	EUT Only
Mode	5G NR n66 BPSK 45MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 1732.5MHz									
3.362000	55.54	Pk	32.8	-95.2	-46.81	-53.67	-13	-40.67	V
3.366500	56.30	Pk	32.8	-95.2	-46.88	-52.98	-13	-39.98	H
5.192000	56.62	Pk	34.4	-95.2	-47.79	-51.97	-13	-38.97	H
5.196500	56.54	Pk	34.4	-95.2	-47.83	-52.09	-13	-39.09	V
6.917000	54.18	Pk	35.7	-95.2	-46.66	-51.98	-13	-38.98	V
6.918500	53.50	Pk	35.7	-95.2	-46.53	-52.53	-13	-39.53	H
Mid Channel, 1745MHz									
3.485500	54.68	Pk	32.9	-95.2	-46.68	-54.30	-13	-41.30	V
3.487500	55.36	Pk	32.9	-95.2	-46.63	-53.57	-13	-40.57	H
5.239000	55.38	Pk	34.4	-95.2	-47.68	-53.10	-13	-40.10	H
5.240000	54.83	Pk	34.4	-95.2	-47.76	-53.73	-13	-40.73	V
6.978000	53.85	Pk	35.7	-95.2	-46.69	-52.34	-13	-39.34	V
6.979500	54.80	Pk	35.7	-95.2	-46.67	-51.37	-13	-38.37	H
High Channel, 1757.5MHz									
3.524000	53.91	Pk	32.9	-95.2	-46.25	-54.64	-13	-41.64	H
3.524500	54.24	Pk	32.9	-95.2	-46.26	-54.32	-13	-41.32	V
5.273000	55.70	Pk	34.5	-95.2	-47.74	-52.74	-13	-39.74	V
5.276500	55.65	Pk	34.5	-95.2	-47.80	-52.85	-13	-39.85	H
7.039000	54.45	Pk	35.7	-95.2	-46.23	-51.28	-13	-38.28	H
7.039000	53.83	Pk	35.7	-95.2	-46.23	-51.9	-13	-38.9	V

11. SETUP PHOTOS

Refer to 15496282-EP1V1 for setup photos.

END OF REPORT