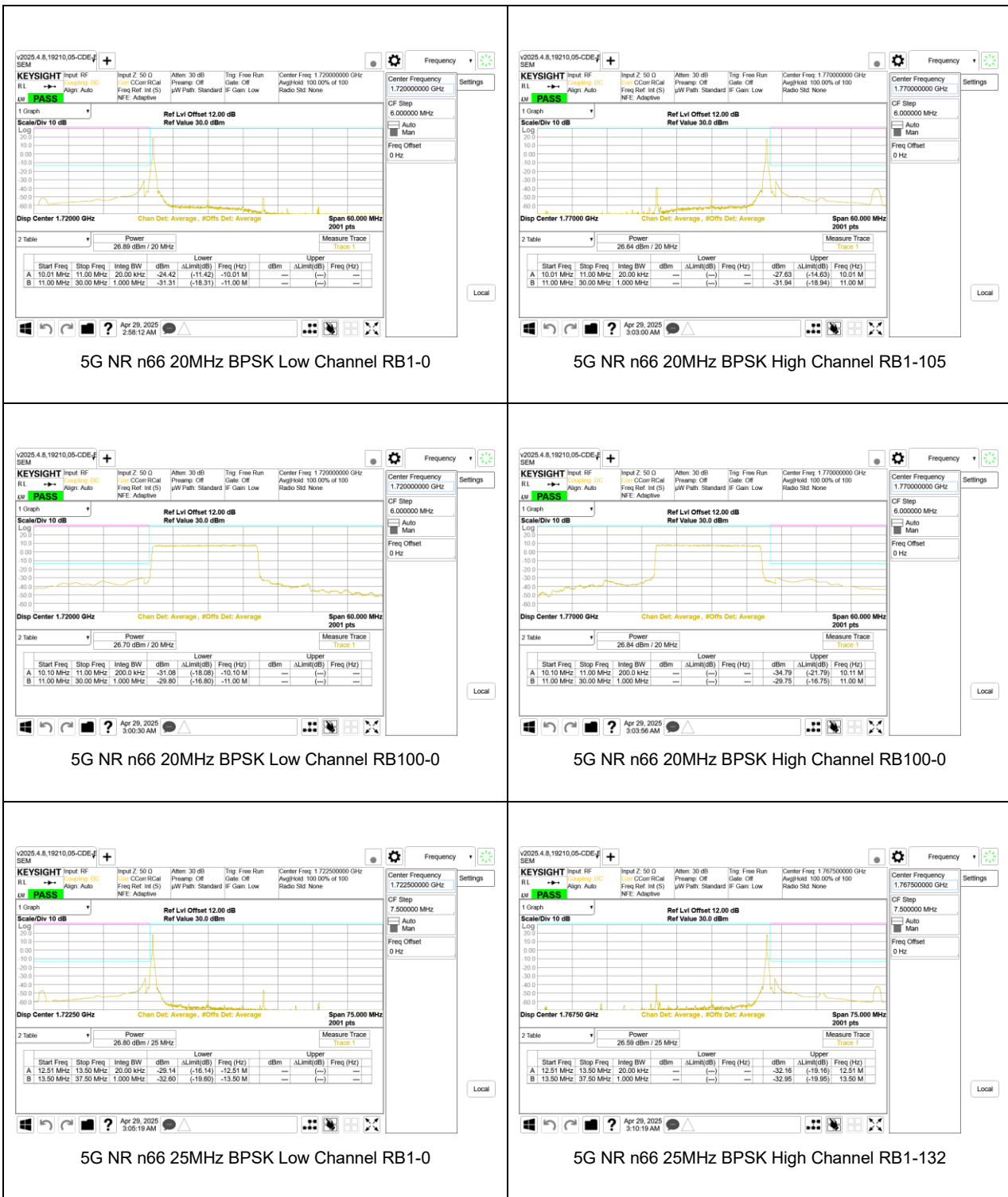
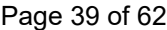
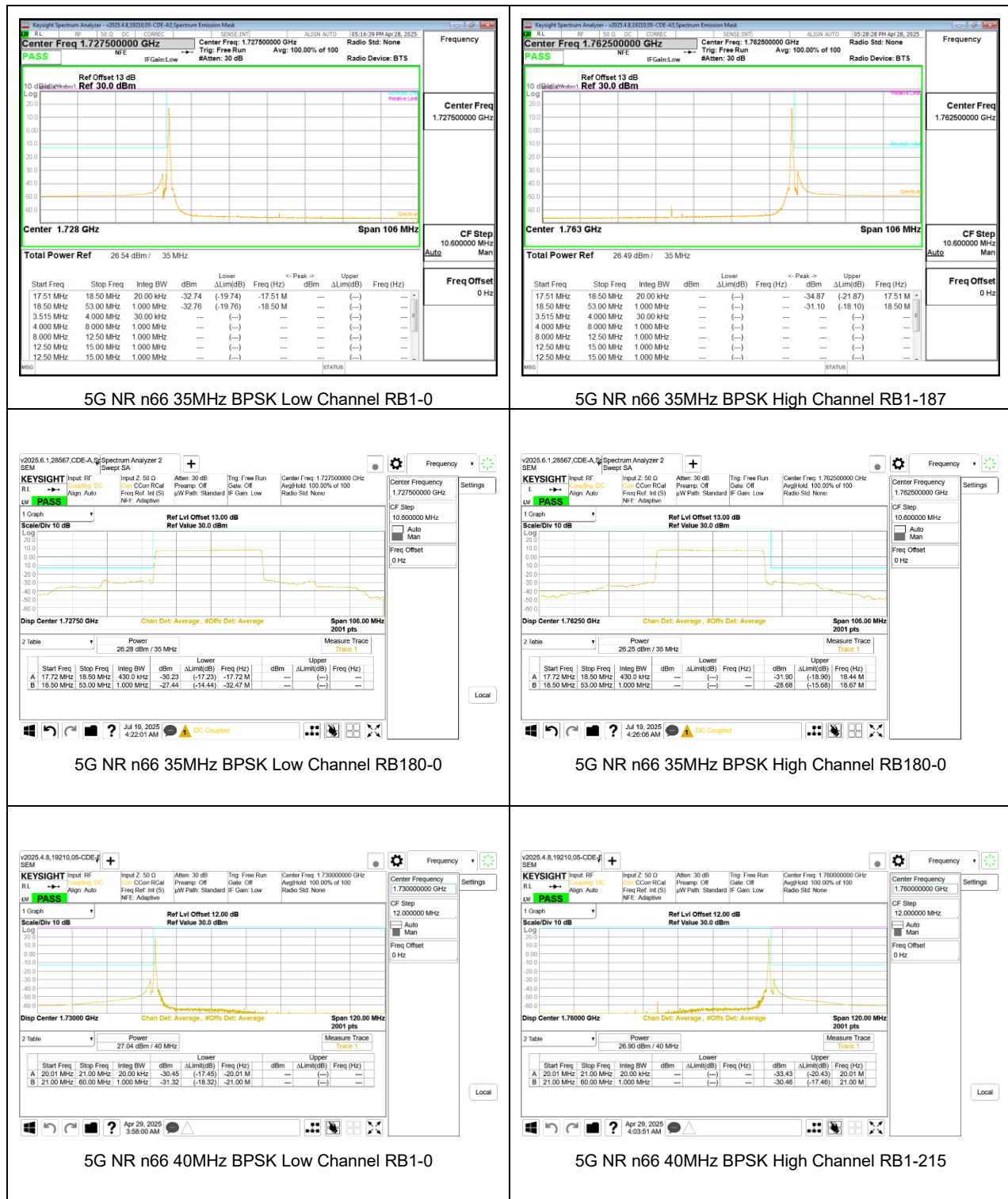










9.3. OUT OF BAND EMISSIONS

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:

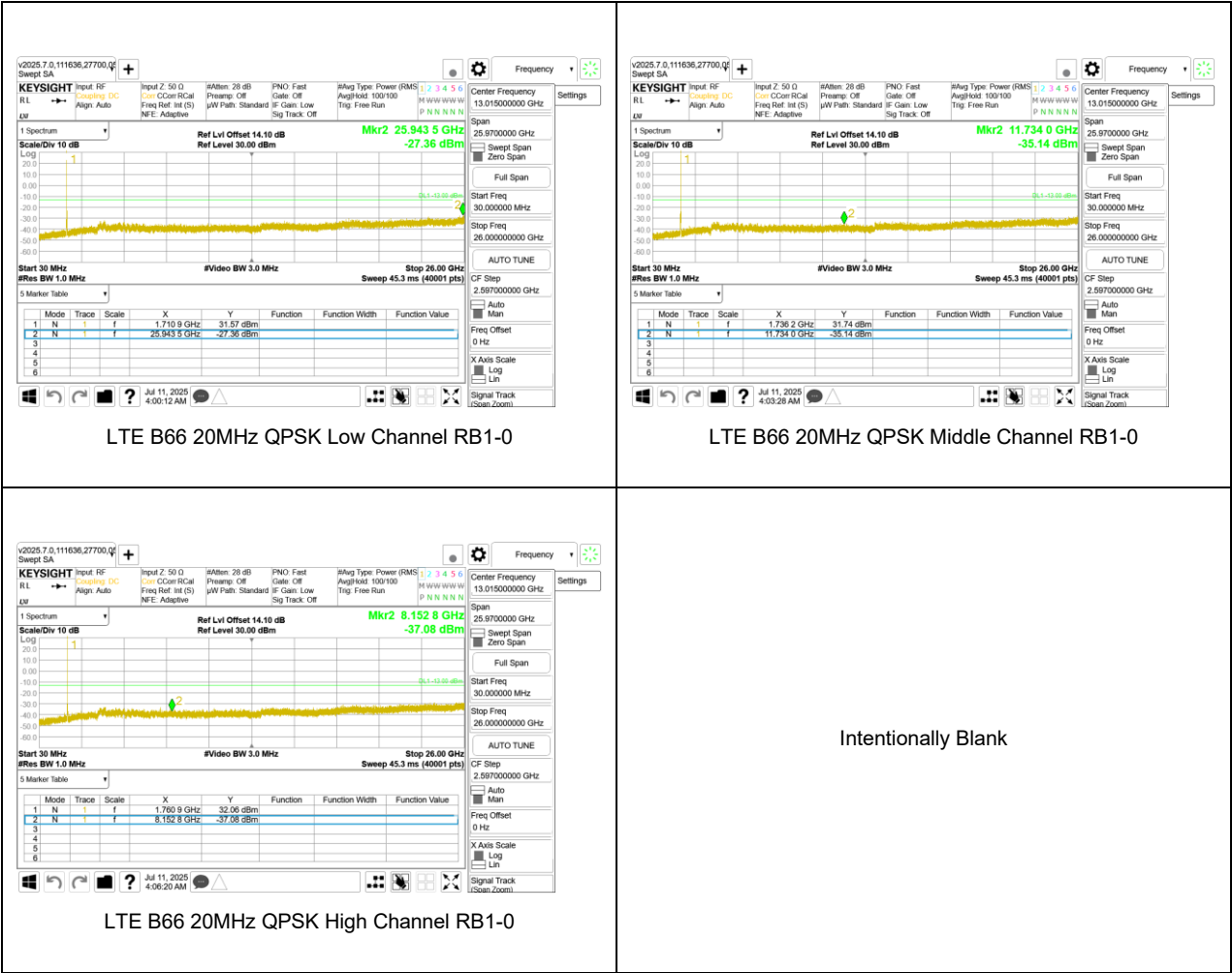
- Set display line at -13 dBm
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
(NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

RESULTS

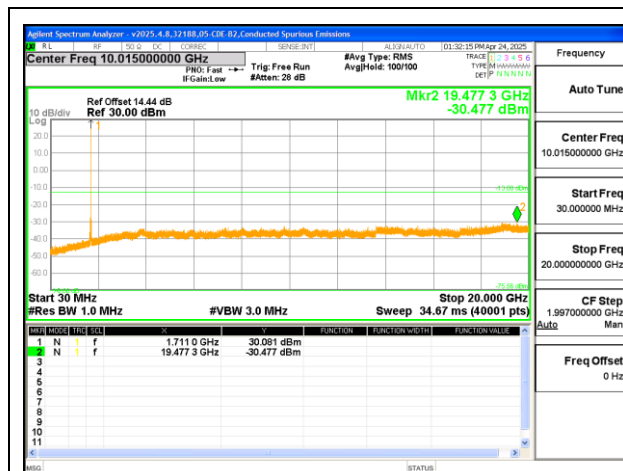
QPSK with 1RB is the highest power to all bandwidth. 1RB has the same frequency and power to all bandwidth. Therefore, QPSK with 1RB and wider bandwidths results are reported as worst case for LTE bands.

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.

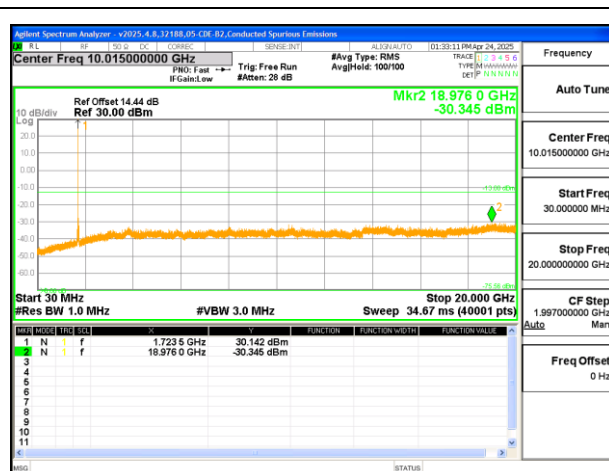
9.3.1. LTE BAND 66



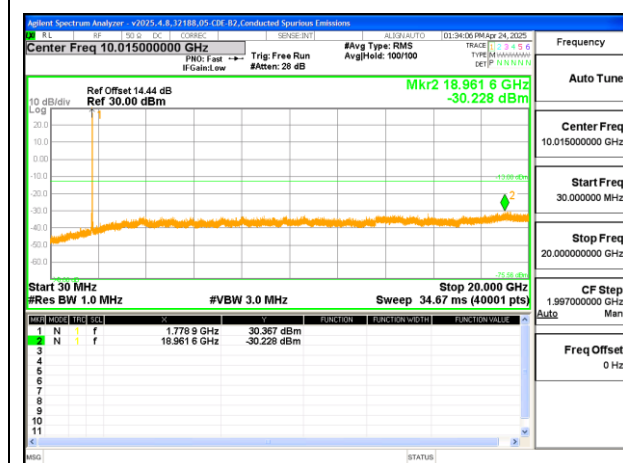
9.3.2. 5G NR n66



5G NR n66 45MHz BPSK Low Channel RB1-0



5G NR n66 45MHz BPSK Middle Channel RB1-1



5G NR n66 45MHz BPSK High Channel RB1-241

Intentionally Blank

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 $+50^{\circ}\text{C}$
- 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 $+50^{\circ}\text{C}$ 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:	27700	Test Date:	2025-04-08
-------------------	-------	------------	------------

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	1711.0677	1778.9355			
Extreme (50°C)		1711.0677	1778.9355	-0.5	0.000	Yes
Extreme (40°C)		1711.0677	1778.9355	-3.7	-0.002	Yes
Extreme (30°C)		1711.0677	1778.9355	1.1	0.001	Yes
Extreme (10°C)		1711.0677	1778.9355	0.0	0.000	Yes
Extreme (0°C)		1711.0677	1778.9355	-0.7	0.000	Yes
Extreme (-10°C)		1711.0677	1778.9355	0.3	0.000	Yes
Extreme (-20°C)		1711.0677	1778.9355	1.7	0.001	Yes
Extreme (-30°C)		1711.0677	1778.9355	1.4	0.001	Yes
20°C	15%	1711.0677	1778.9355	2.0	0.001	Yes
	-15%	1711.0677	1778.9355	-3.0	-0.002	Yes
	End Point Voltage	1711.0677	1778.9355	-1.9	-0.001	Yes

9.4.2. 5G NR n66 (BPSK 45MHz BANDWIDTH)

Test Engineer ID:	27700	Test Date:	2025-03-31
-------------------	-------	------------	------------

Band	66	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1710	1780		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)			
Temperature	Voltage					
Normal (20°C)	Normal	1710.9274	1778.6771			
Extreme (50°C)		1710.9274	1778.6771	-4.42	-0.003	Yes
Extreme (40°C)		1710.9274	1778.6771	-5.69	-0.003	Yes
Extreme (30°C)		1710.9274	1778.6771	-6.76	-0.004	Yes
Extreme (10°C)		1710.9274	1778.6771	-4.06	-0.002	Yes
Extreme (0°C)		1710.9274	1778.6771	-6.73	-0.004	Yes
Extreme (-10°C)		1710.9274	1778.6771	-6.12	-0.004	Yes
Extreme (-20°C)		1710.9274	1778.6771	-6.08	-0.003	Yes
Extreme (-30°C)		1710.9274	1778.6771	-3.2	-0.002	Yes
20°C	15%	1710.9274	1778.6771	-3.34	-0.002	Yes
	-15%	1710.9274	1778.6771	-2.6	-0.001	Yes
	End Point Voltage	1710.9274	1778.6771	-3.24	-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 technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

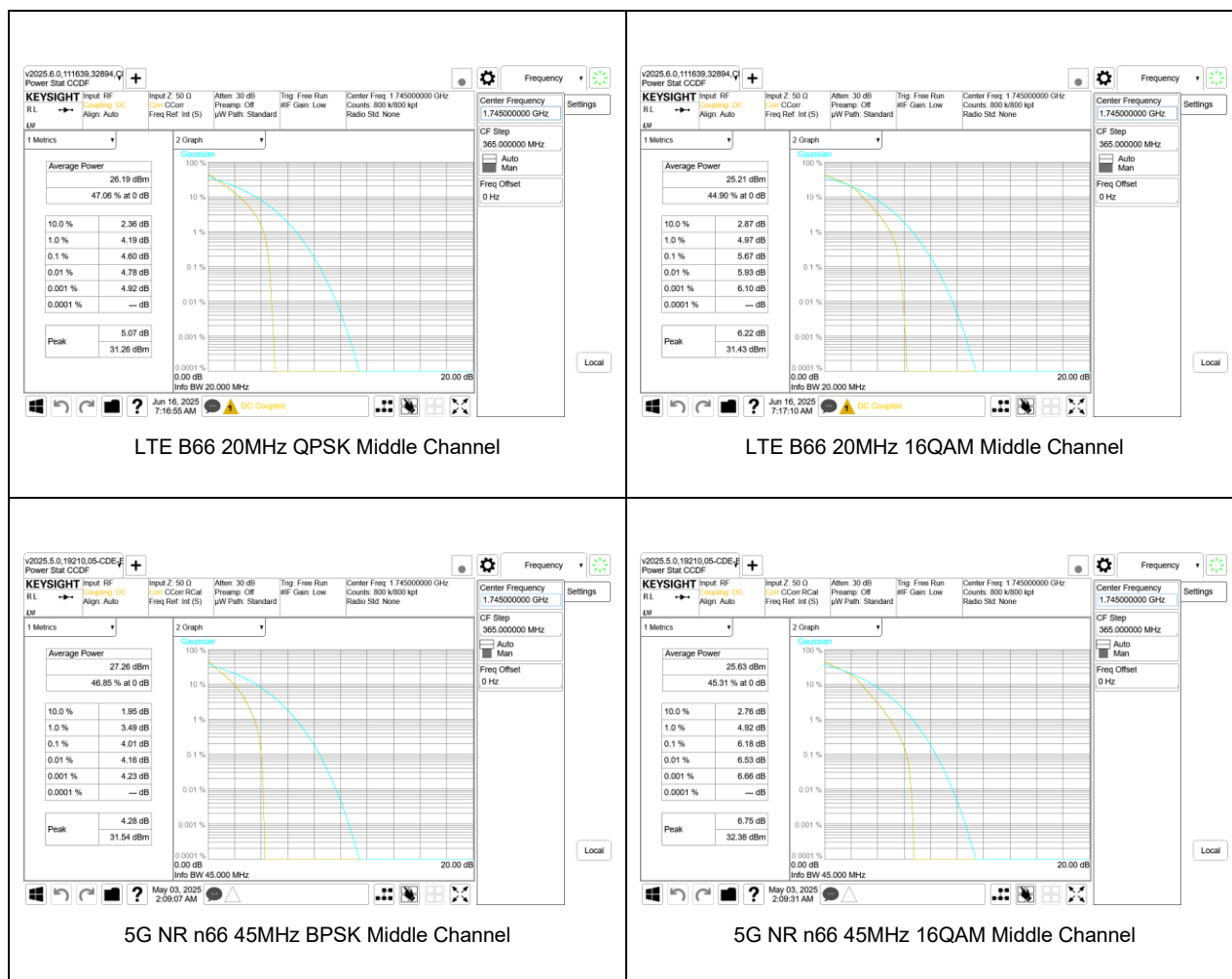
ISED: RSS139§5.5

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 3 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:	39004	Test Date:	2025-04-08
-------------------	-------	------------	------------

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	29.74	26.19	3.55
					16QAM	30.72	26.26	4.46
	3MHz		15	0	QPSK	29.89	26.34	3.55
					16QAM	31.02	26.57	4.45
	5MHz		25	0	QPSK	30.15	26.55	3.60
					16QAM	31.06	26.63	4.43
	10MHz		50	0	QPSK	30.05	26.42	3.63
					16QAM	30.73	26.5	4.23
	15MHz		75	0	QPSK	31.08	26.16	4.92
					16QAM	31.28	25.21	6.07
	20MHz		100	0	QPSK	31.26	26.19	5.07
					16QAM	31.43	25.21	6.22
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:	19210	Test Date:	2025-05-02
-------------------	-------	------------	------------

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	30.50	26.23	4.27
					16QAM	31.31	24.60	6.71
	10MHz		50	0	BPSK	30.38	26.20	4.18
					16QAM	31.36	24.61	6.75
	15MHz		75	0	BPSK	30.45	26.13	4.32
					16QAM	31.35	24.57	6.78
	20MHz		100	0	BPSK	30.53	26.25	4.28
					16QAM	31.40	24.57	6.83
	25MHz		128	0	BPSK	30.62	26.25	4.37
					16QAM	31.92	24.69	7.23
	30MHz		160	0	BPSK	31.20	26.94	4.26
					16QAM	31.96	25.28	6.68
	35MHz		180	0	BPSK	31.19	26.88	4.31
					16QAM	32.13	25.33	6.80
	40MHz		216	0	BPSK	31.50	26.98	4.52
					16QAM	31.95	25.25	6.70
	45MHz		240	0	BPSK	31.54	27.26	4.28
					16QAM	32.38	25.63	6.75
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.

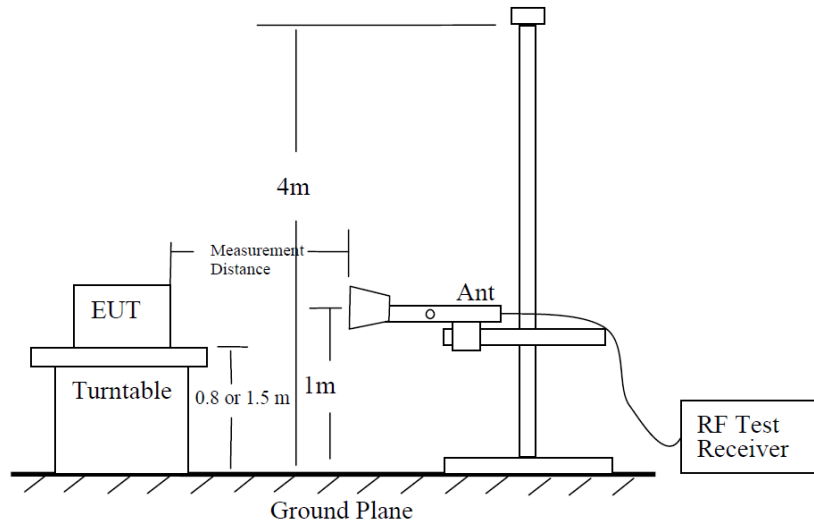


Figure 6 —Test site-up for radiated ERP and/or EIRP measurements

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.

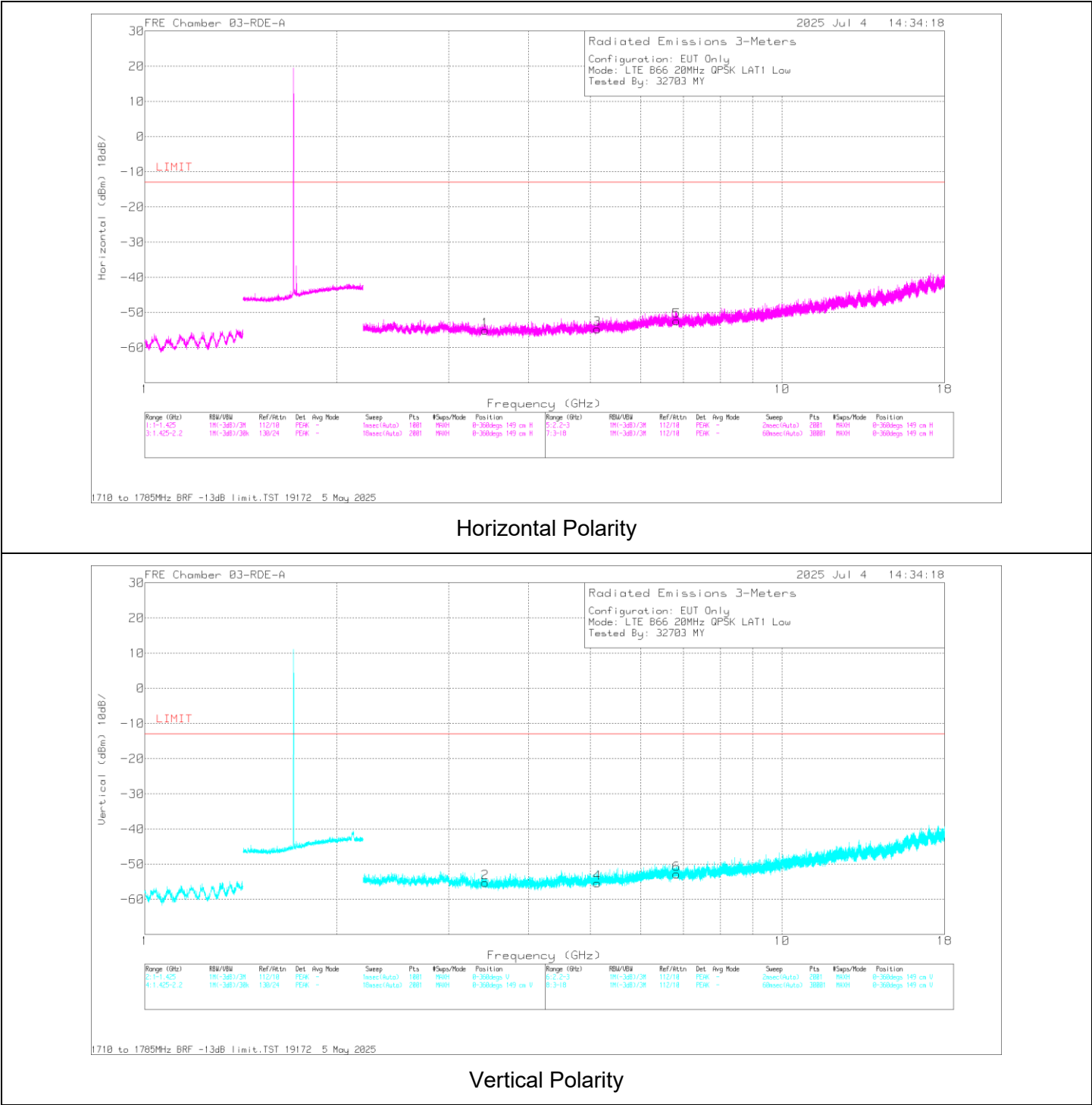
So, from d)

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

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
3.420000	53.78	Pk	32.8	-95.2	-46.5	-55.12	-13	-42.12	H
3.420000	53.64	Pk	32.8	-95.2	-46.5	-55.26	-13	-42.26	V
5.130500	53.83	Pk	34.2	-95.2	-47.55	-54.72	-13	-41.72	H
5.130500	53.17	Pk	34.2	-95.2	-47.55	-55.38	-13	-42.38	V
6.840500	51.72	Pk	35.8	-95.2	-44.75	-52.43	-13	-39.43	H
6.840500	51.33	Pk	35.8	-95.2	-44.75	-52.82	-13	-39.82	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 66

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

Date:	2025-07-04
Test Engineer:	32703
Configuration:	EUT Only
Mode:	LTE B66 20MHz QPSK
Chamber #:	03-RDE-A

Frequency (MHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel,1720MHz									
3.420000	53.78	Pk	32.8	-95.2	-46.5	-55.12	-13	-42.12	H
3.420000	53.64	Pk	32.8	-95.2	-46.5	-55.26	-13	-42.26	V
5.130500	53.83	Pk	34.2	-95.2	-47.55	-54.72	-13	-41.72	H
5.130500	53.17	Pk	34.2	-95.2	-47.55	-55.38	-13	-42.38	V
6.840500	51.72	Pk	35.8	-95.2	-44.75	-52.43	-13	-39.43	H
6.840500	51.33	Pk	35.8	-95.2	-44.75	-52.82	-13	-39.82	V
Mid Channel,1745MHz									
3.470500	54.75	Pk	32.9	-95.2	-46.7	-54.25	-13	-41.25	H
3.470500	54.4	Pk	32.9	-95.2	-46.7	-54.60	-13	-41.60	V
5.208500	53.71	Pk	34.4	-95.2	-47.5	-54.59	-13	-41.59	H
5.208500	58.65	Pk	34.4	-95.2	-47.5	-49.65	-13	-36.65	V
6.940000	51.88	Pk	35.8	-95.2	-46.1	-53.62	-13	-40.62	H
6.940000	53.19	Pk	35.8	-95.2	-46.1	-52.31	-13	-39.31	V
High Channel,1770MHz									
3.520000	52.55	Pk	32.9	-95.2	-46.5	-56.25	-13	-43.25	H
3.520000	53.94	Pk	32.9	-95.2	-46.5	-54.86	-13	-41.86	V
5.281000	53.69	Pk	34.5	-95.2	-47.6	-54.61	-13	-41.61	H
5.281000	52.99	Pk	34.5	-95.2	-47.6	-55.31	-13	-42.31	V
7.040250	51.50	Pk	35.8	-95.2	-45.6	-53.50	-13	-40.50	H
7.040500	52.61	Pk	35.8	-95.2	-45.6	-52.39	-13	-39.39	V

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

Date:	2025-06-23
Test Engineer:	111616
Configuration:	EUT Only
Mode:	LTE B66 20Mhz QPSK
Chamber #:	03-RDE-A

Frequency (MHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel,1720MHz									
3.461500	56.23	Pk	32.90	-95.2	-46.7	-52.77	-13	-39.77	H
3.459000	55.15	Pk	32.90	-95.2	-46.8	-53.95	-13	-40.95	V
5.167000	56.18	Pk	34.20	-95.2	-47.8	-52.62	-13	-39.62	H
5.184500	55.87	Pk	34.30	-95.2	-47.6	-52.63	-13	-39.63	V
6.855250	53.72	Pk	35.80	-95.2	-44.8	-50.48	-13	-37.48	H
6.868000	53.38	Pk	35.80	-95.2	-44.9	-50.92	-13	-37.92	V
Mid Channel,1745MHz									
3.509500	55.85	Pk	32.90	-95.2	-46.60	-53.05	-13	-40.05	H
3.511000	55.28	Pk	32.90	-95.2	-46.50	-53.52	-13	-40.52	V
5.240000	56.25	Pk	34.40	-95.2	-47.40	-51.95	-13	-38.95	H
5.227000	56.09	Pk	34.40	-95.2	-47.50	-52.21	-13	-39.21	V
6.970500	54.59	Pk	35.80	-95.2	-46.20	-51.01	-13	-38.01	H
6.986500	55.56	Pk	35.80	-95.2	-46.00	-49.84	-13	-36.84	V
High Channel,1770MHz									
3.543000	55.48	Pk	32.90	-95.2	-46.80	-53.62	-13	-40.62	H
3.565000	55.00	Pk	33.00	-95.2	-46.70	-53.90	-13	-40.90	V
5.329000	55.55	Pk	34.60	-95.2	-47.50	-52.55	-13	-39.55	H
5.334500	55.79	Pk	34.60	-95.2	-47.45	-52.26	-13	-39.26	V
7.055000	54.41	Pk	35.90	-95.2	-45.30	-50.19	-13	-37.19	H
7.095000	54.88	Pk	35.80	-95.2	-44.80	-49.32	-13	-36.32	V

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

Date:	2025-06-23
Test Engineer:	111616
Configuration:	EUT Only
Mode:	LTE B66 20MHz QPSK
Chamber #:	03-RDE-A

Frequency (MHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel,1720MHz									
3.429500	55.86	Pk	32.8	-95.2	-46.6	-53.14	-13	-40.14	H
3.452000	55.66	Pk	32.8	-95.2	-46.7	-53.44	-13	-40.44	V
5.171000	57.63	Pk	34.2	-95.2	-47.9	-51.27	-13	-38.27	H
5.138000	55.97	Pk	34.2	-95.2	-47.5	-52.53	-13	-39.53	V
6.868500	54.32	Pk	35.8	-95.2	-44.9	-49.98	-13	-36.98	H
6.860500	53.25	Pk	35.8	-95.2	-44.8	-50.95	-13	-37.95	V
Mid Channel,1745MHz									
3.500500	55.41	Pk	32.9	-95.2	-46.70	-53.59	-13	-40.59	H
3.480000	55.79	Pk	32.9	-95.2	-46.60	-53.11	-13	-40.11	V
5.224000	56.63	Pk	34.4	-95.2	-47.50	-51.67	-13	-38.67	H
5.237500	55.86	Pk	34.4	-95.2	-47.50	-52.44	-13	-39.44	V
6.979000	55.18	Pk	35.8	-95.2	-46.00	-50.22	-13	-37.22	H
6.986500	54.09	Pk	35.8	-95.2	-46.00	-51.31	-13	-38.31	V
High Channel,1770MHz									
3.522000	55.36	Pk	32.9	-95.2	-46.4	-53.34	-13	-40.34	H
3.541500	55.36	Pk	32.9	-95.2	-46.75	-53.69	-13	-40.69	V
5.307500	55.78	Pk	34.6	-95.2	-47.55	-52.37	-13	-39.37	H
5.300500	55.97	Pk	34.6	-95.2	-47.5	-52.13	-13	-39.13	V
7.086500	53.75	Pk	35.9	-95.2	-44.95	-50.50	-13	-37.50	H
7.070000	53.93	Pk	35.9	-95.2	-45.1	-50.47	-13	-37.47	V

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

Date:	2025-07-11
Test Engineer:	32703
Configuration:	EUT Only
Mode:	LTE B66 20MHz QPSK
Chamber #:	03-RDE-C

Frequency (MHz)	Meter Reading (dBuV)	Det	84797ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1720 MHz									
3.420000	49.91	Pk	32.9	-95.2	-45.45	-57.84	-13	-44.84	H
3.420000	49.91	Pk	32.9	-95.2	-45.45	-57.84	-13	-44.84	V
5.130500	51.56	Pk	34.4	-95.2	-47.01	-56.25	-13	-43.25	H
5.130500	51.75	Pk	34.4	-95.2	-47.01	-56.06	-13	-43.06	V
6.841000	51.23	Pk	35.6	-95.2	-45.26	-53.63	-13	-40.63	H
6.841000	51.95	Pk	35.6	-95.2	-45.26	-52.91	-13	-39.91	V
Mid Channel, 1745MHz									
3.470500	51.19	Pk	32.9	-95.2	-45.62	-56.73	-13	-43.73	H
3.470500	51.6	Pk	32.9	-95.2	-45.62	-56.32	-13	-43.32	V
5.205500	54.91	Pk	34.4	-95.2	-46.58	-52.47	-13	-39.47	H
5.205500	52.75	Pk	34.4	-95.2	-46.58	-54.63	-13	-41.63	V
6.940000	51.74	Pk	35.6	-95.2	-45.56	-53.42	-13	-40.42	H
6.940000	52.98	Pk	35.6	-95.2	-45.56	-52.18	-13	-39.18	V
High Channel, 1770MHz									
3.520000	52.11	Pk	32.9	-95.2	-45.72	-55.91	-13	-42.91	H
3.520000	51.24	Pk	32.9	-95.2	-45.72	-56.78	-13	-43.78	V
5.280000	51.8	Pk	34.4	-95.2	-46.24	-55.24	-13	-42.24	H
5.280000	53.24	Pk	34.4	-95.2	-46.24	-53.80	-13	-40.80	V
7.040500	50.16	Pk	35.6	-95.2	-45.28	-54.72	-13	-41.72	H
7.040500	52.22	Pk	35.6	-95.2	-45.28	-52.66	-13	-39.66	V

10.1.2. 5G NR n66

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

Date:	2025-03-27
Test Engineer:	32316
Configuration:	EUT Only
Mode:	5G NR n66 45MHz BPSK
Chamber #:	05-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1732.5MHz									
3.441500	55.90	Pk	32.8	-95.2	-46.9	-53.40	-13	-40.40	H
3.461000	56.15	Pk	32.8	-95.2	-46.84	-53.09	-13	-40.09	V
5.222000	57.39	Pk	34.4	-95.2	-47.92	-51.33	-13	-38.33	H
5.201500	55.69	Pk	34.4	-95.2	-47.63	-52.74	-13	-39.74	V
6.954000	54.79	Pk	35.7	-95.2	-46.57	-51.28	-13	-38.28	H
6.944500	55.18	Pk	35.7	-95.2	-46.67	-50.99	-13	-37.99	V
Mid Channel, 1745MHz									
3.502500	55.5	Pk	32.9	-95.2	-46.18	-52.98	-13	-39.98	H
3.487000	56.28	Pk	32.9	-95.2	-46.70	-52.72	-13	-39.72	V
5.224000	55.96	Pk	34.4	-95.2	-47.81	-52.65	-13	-39.65	H
5.259000	56.18	Pk	34.5	-95.2	-47.81	-52.33	-13	-39.33	V
6.993000	54.52	Pk	35.7	-95.2	-46.46	-51.44	-13	-38.44	H
6.961000	54.51	Pk	35.7	-95.2	-46.57	-51.56	-13	-38.56	V
High Channel, 1757.5MHz									
3.508500	54.86	Pk	32.9	-95.2	-46.19	-53.63	-13	-40.63	H
3.524000	54.73	Pk	32.9	-95.2	-46.25	-53.82	-13	-40.82	V
5.274000	56.03	Pk	34.5	-95.2	-47.79	-52.46	-13	-39.46	H
5.278000	56.39	Pk	34.5	-95.2	-47.95	-52.26	-13	-39.26	V
7.027500	54.64	Pk	35.7	-95.2	-46.36	-51.22	-13	-38.22	H
7.030500	54.59	Pk	35.7	-95.2	-46.28	-51.19	-13	-38.19	V

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

Date:	2025-07-13
Test Engineer:	45258
Configuration:	EUT Only
Mode:	5G NR n66 45MHz BPSK
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, 1732.5MHz									
3.465000	55.89	Pk	32.7	-95.2	-47.30	-53.91	-13	-40.91	H
3.464500	55.34	Pk	32.7	-95.2	-47.30	-54.46	-13	-41.46	V
5.196500	56.96	Pk	34.1	-95.2	-49.00	-53.14	-13	-40.14	H
5.197000	55.4	Pk	34.1	-95.2	-49.00	-54.70	-13	-41.70	V
6.932500	54.47	Pk	35.6	-95.2	-46.45	-51.58	-13	-38.58	H
6.931500	54.29	Pk	35.6	-95.2	-46.40	-51.71	-13	-38.71	V
Mid Channel, 1745MHz									
3.492000	54.33	Pk	32.7	-95.2	-46.80	-54.97	-13	-41.97	H
3.491500	54.88	Pk	32.7	-95.2	-46.80	-54.42	-13	-41.42	V
5.232500	56.74	Pk	34.2	-95.2	-48.70	-52.96	-13	-39.96	H
5.235000	57.45	Pk	34.2	-95.2	-48.70	-52.25	-13	-39.25	V
6.978500	55.3	Pk	35.6	-95.2	-46.55	-50.85	-13	-37.85	H
6.980000	54.07	Pk	35.6	-95.2	-46.50	-52.03	-13	-39.03	V
High Channel, 1757.5MHz									
3.515000	54.85	Pk	32.8	-95.2	-47.00	-54.55	-13	-41.55	H
3.517000	54.58	Pk	32.8	-95.2	-46.90	-54.72	-13	-41.72	V
5.269000	56.88	Pk	34.2	-95.2	-48.80	-52.92	-13	-39.92	H
5.271500	55.66	Pk	34.2	-95.2	-48.65	-53.99	-13	-40.99	V
7.034000	55.09	Pk	35.6	-95.2	-47.10	-51.61	-13	-38.61	H
7.031000	55.15	Pk	35.6	-95.2	-47.10	-51.55	-13	-38.55	V

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

Date:	2025-07-13
Test Engineer:	45258
Configuration:	EUT Only
Mode:	5G NR n66 45MHz BPSK
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, 1732.5MHz									
3.466500	55.92	Pk	32.7	-95.2	-47.20	-53.78	-13	-40.78	H
3.465500	55.2	Pk	32.7	-95.2	-47.25	-54.55	-13	-41.55	V
5.196500	55.63	Pk	34.1	-95.2	-49.00	-54.47	-13	-41.47	H
5.200000	55.4	Pk	34.1	-95.2	-48.90	-54.60	-13	-41.60	V
6.932500	54.47	Pk	35.6	-95.2	-46.45	-51.58	-13	-38.58	H
6.935000	56.32	Pk	35.6	-95.2	-46.50	-49.78	-13	-36.78	V
Mid Channel, 1745MHz									
3.489500	55.51	Pk	32.7	-95.2	-46.70	-53.69	-13	-40.69	H
3.490000	54.11	Pk	32.7	-95.2	-46.70	-55.09	-13	-42.09	V
5.235500	55.63	Pk	34.2	-95.2	-48.65	-54.02	-13	-41.02	H
5.235500	56.78	Pk	34.2	-95.2	-48.65	-52.87	-13	-39.87	V
6.981500	54.8	Pk	35.6	-95.2	-46.55	-51.35	-13	-38.35	H
6.982000	54.5	Pk	35.6	-95.2	-46.50	-51.60	-13	-38.60	V
High Channel, 1757.5MHz									
3.515000	55.32	Pk	32.8	-95.2	-47.00	-54.08	-13	-41.08	H
3.518000	53.47	Pk	32.8	-95.2	-46.80	-55.73	-13	-42.73	V
5.370000	56.12	Pk	34.3	-95.2	-48.60	-53.38	-13	-40.38	H
5.370500	55.7	Pk	34.3	-95.2	-48.60	-53.80	-13	-40.80	V
7.032500	54.96	Pk	35.6	-95.2	-47.10	-51.74	-13	-38.74	H
7.031000	55.15	Pk	35.6	-95.2	-47.10	-51.55	-13	-38.55	V

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

Date:	2025-07-13
Test Engineer:	45258
Configuration:	EUT Only
Mode:	5G NR n66 45MHz BPSK
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1732.5MHz									
3.467000	55.23	Pk	32.7	-95.2	-47.20	-54.47	-13	-41.47	H
3.467000	55.8	Pk	32.7	-95.2	-47.20	-53.90	-13	-40.90	V
5.195500	56.11	Pk	34.1	-95.2	-48.95	-53.94	-13	-40.94	H
5.196500	56.21	Pk	34.1	-95.2	-49.00	-53.89	-13	-40.89	V
6.927000	54.69	Pk	35.6	-95.2	-46.40	-51.31	-13	-38.31	H
6.931000	55.52	Pk	35.6	-95.2	-46.40	-50.48	-13	-37.48	V
Mid Channel, 1745MHz									
3.491500	54.36	Pk	32.7	-95.2	-46.80	-54.94	-13	-41.94	H
3.489000	54.7	Pk	32.7	-95.2	-46.70	-54.50	-13	-41.50	V
5.236000	55.57	Pk	34.2	-95.2	-48.60	-54.03	-13	-41.03	H
5.235500	56.18	Pk	34.2	-95.2	-48.65	-53.47	-13	-40.47	V
6.981000	54.57	Pk	35.6	-95.2	-46.60	-51.63	-13	-38.63	H
6.981500	53.6	Pk	35.6	-95.2	-46.55	-52.55	-13	-39.55	V
High Channel, 1757.5MHz									
3.515000	54.54	Pk	32.8	-95.2	-47.00	-54.86	-13	-41.86	H
3.514000	53.97	Pk	32.8	-95.2	-46.9	-55.33	-13	-42.33	V
5.271500	55.6	Pk	34.2	-95.2	-48.65	-54.05	-13	-41.05	H
5.273000	55.47	Pk	34.2	-95.2	-48.70	-54.23	-13	-41.23	V
7.034000	54.71	Pk	35.6	-95.2	-47.10	-51.99	-13	-38.99	H
7.031000	54.84	Pk	35.6	-95.2	-47.10	-51.86	-13	-38.86	V

11. SETUP PHOTOS

Refer to 15496249-EP1V1 for setup photos.

END OF REPORT