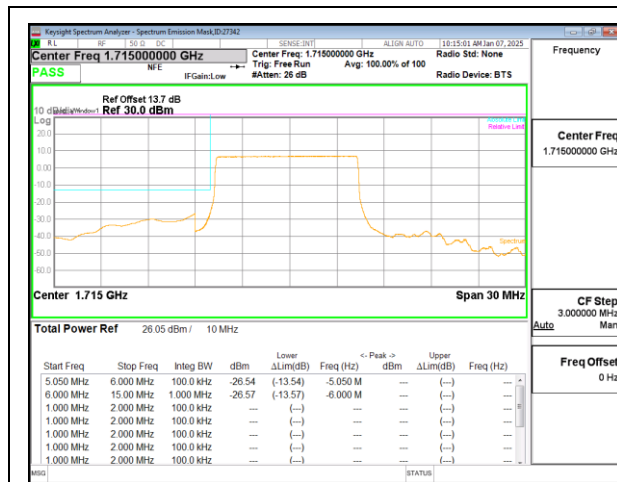
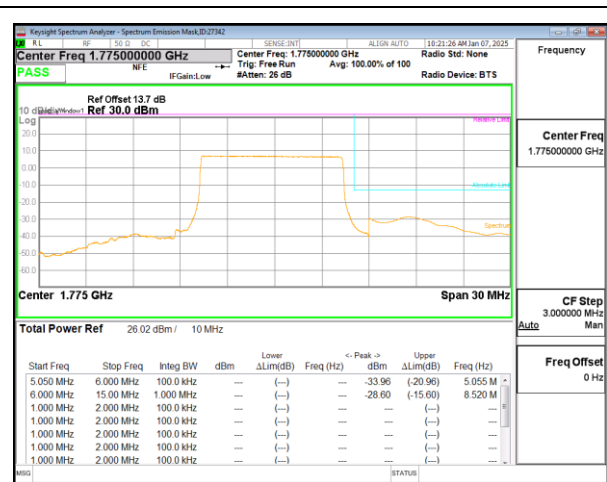
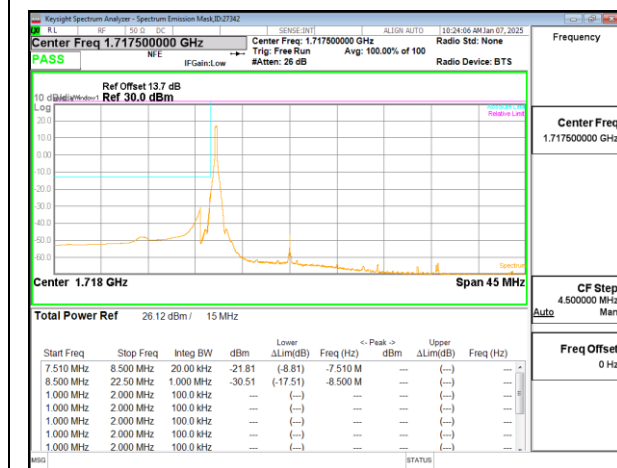




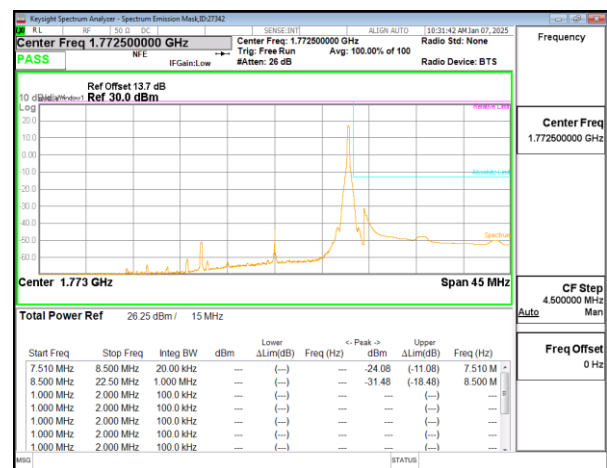
5G NR n66 10MHz BPSK Low Channel RB50-0



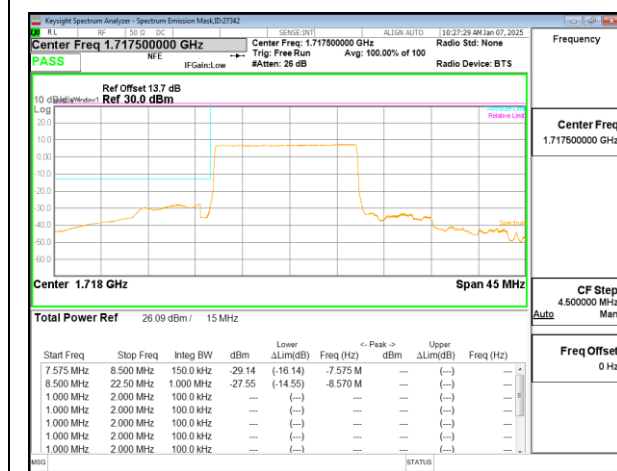
5G NR n66 10MHz BPSK High Channel RB50-0



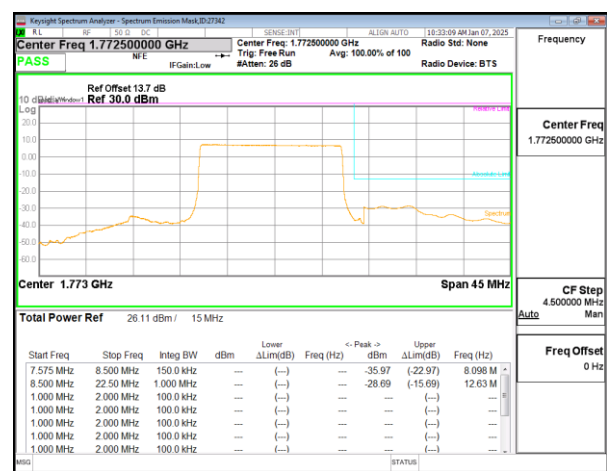
5G NR n66 15MHz BPSK Low Channel RB1-0



5G NR n66 15MHz BPSK High Channel RB1-78



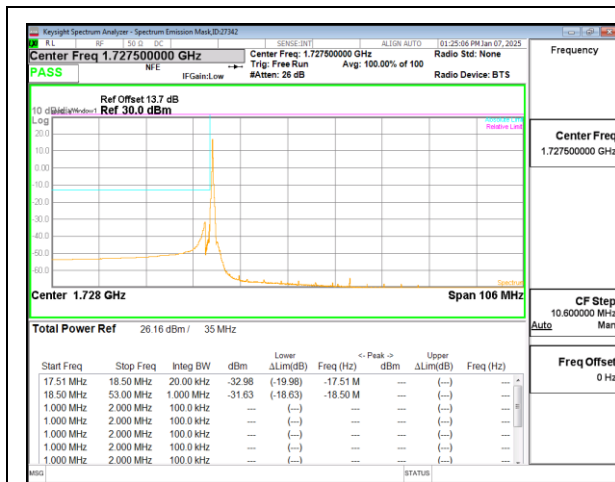
5G NR n66 15MHz BPSK Low Channel RB75-0



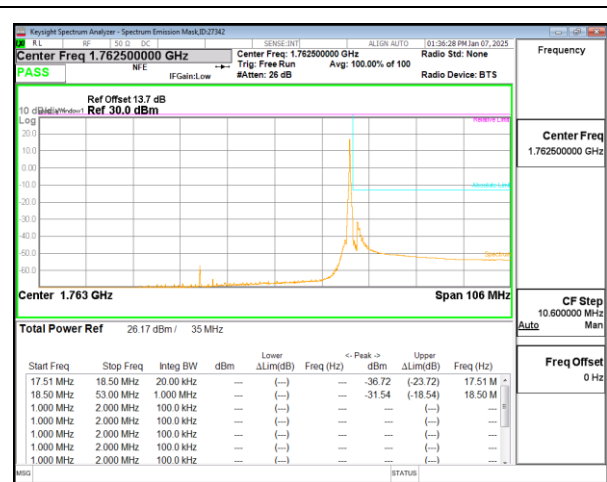
5G NR n66 15MHz BPSK High Channel RB75-0



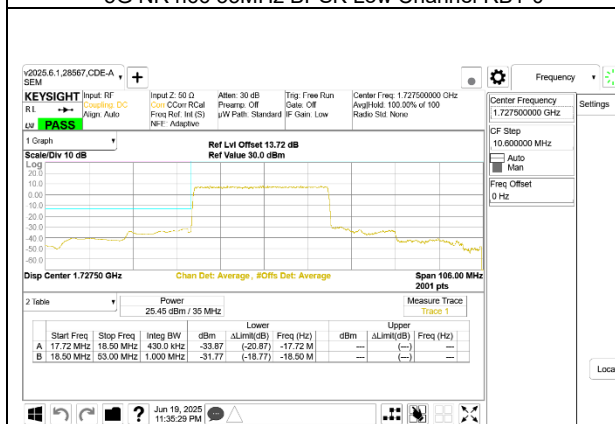




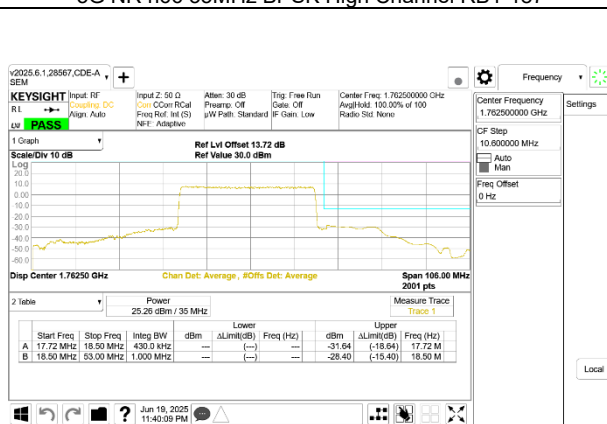
5G NR n66 35MHz BPSK Low Channel RB1-0



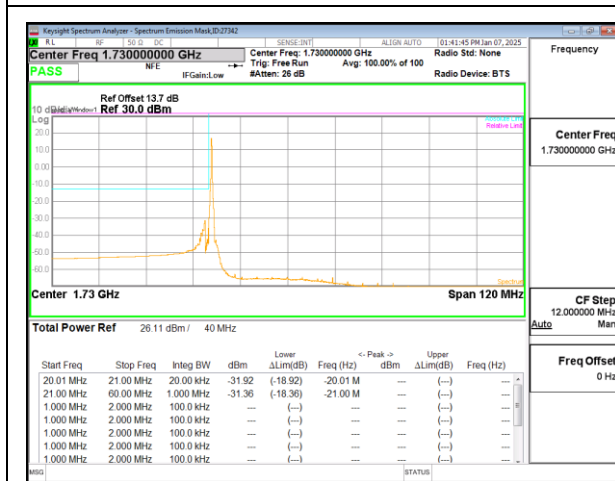
5G NR n66 35MHz BPSK High Channel RB1-187



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:

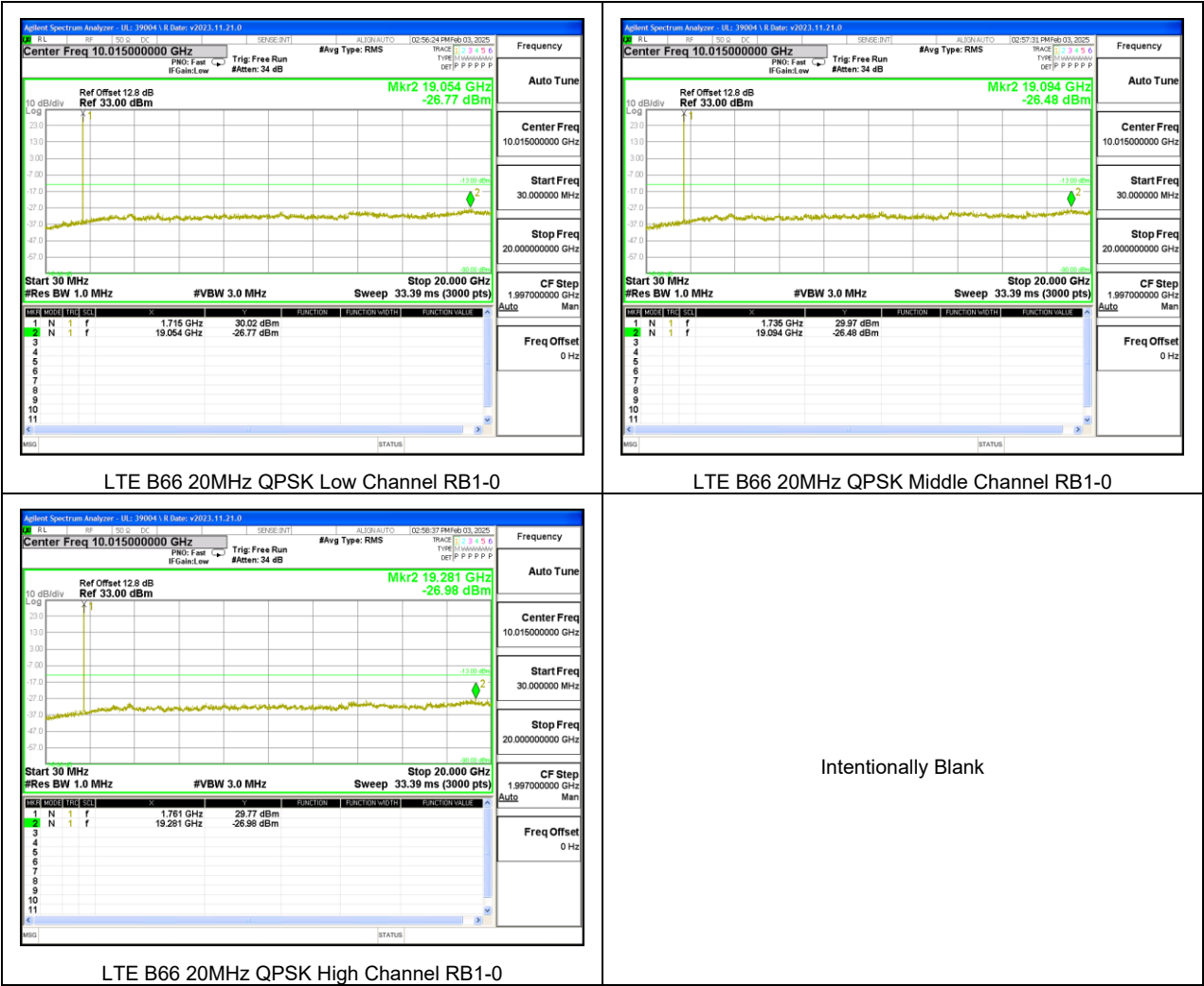
- Set display line at -13 dBm
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
(NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

RESULTS

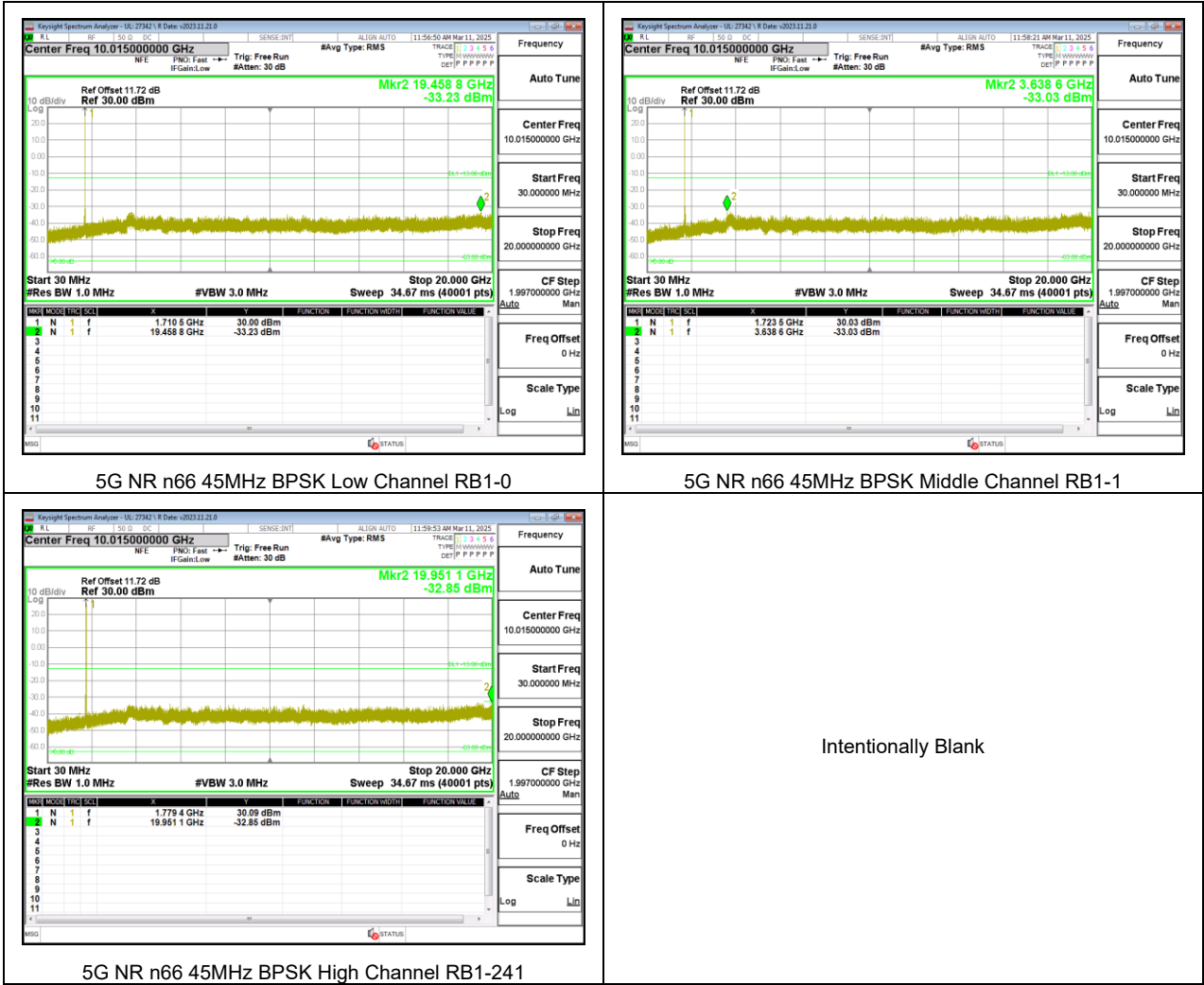
QPSK with 1RB is the highest power to all bandwidth. 1RB has the same frequency and power to all bandwidth. Therefore, QPSK with 1RB and wider bandwidths results are reported as worst case for LTE bands.

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:	27700	Test Date:	2025-03-04
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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	1711.0610	1778.9361			
Extreme (50°C)		1711.0610	1778.9361	-1.9	-0.001	Yes
Extreme (40°C)		1711.0610	1778.9361	-1.2	-0.001	Yes
Extreme (30°C)		1711.0610	1778.9361	-0.7	0.000	Yes
Extreme (10°C)		1711.0610	1778.9361	2.4	0.001	Yes
Extreme (0°C)		1711.0610	1778.9361	-0.5	0.000	Yes
Extreme (-10°C)		1711.0610	1778.9361	0.7	0.000	Yes
Extreme (-20°C)		1711.0610	1778.9361	3.5	0.002	Yes
Extreme (-30°C)		1711.0610	1778.9361	-0.7	0.000	Yes
20°C	15%	1711.0610	1778.9361	1.6	0.001	Yes
	-15%	1711.0610	1778.9361	-0.2	0.000	Yes
	End Point Voltage	1711.0610	1778.9361	1.7	0.001	Yes

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

Test Engineer ID:	27700	Test Date:	2025-03-21
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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	1710.9776	1778.6847			
Extreme (50°C)		1710.9776	1778.6847	-5.61	-0.003	Yes
Extreme (40°C)		1710.9776	1778.6847	-4.71	-0.003	Yes
Extreme (30°C)		1710.9776	1778.6847	-3.11	-0.002	Yes
Extreme (10°C)		1710.9776	1778.6847	-4.76	-0.003	Yes
Extreme (0°C)		1710.9776	1778.6847	-3.54	-0.002	Yes
Extreme (-10°C)		1710.9776	1778.6847	-2.82	-0.002	Yes
Extreme (-20°C)		1710.9776	1778.6847	-2.64	-0.002	Yes
Extreme (-30°C)		1710.9776	1778.6847	-5.51	-0.003	Yes
20°C	15%	1710.9776	1778.6847	-2.91	-0.002	Yes
	-15%	1710.9776	1778.6847	-3.3	-0.002	Yes
	End Point Voltage	1710.9776	1778.6847	-5.11	-0.003	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.

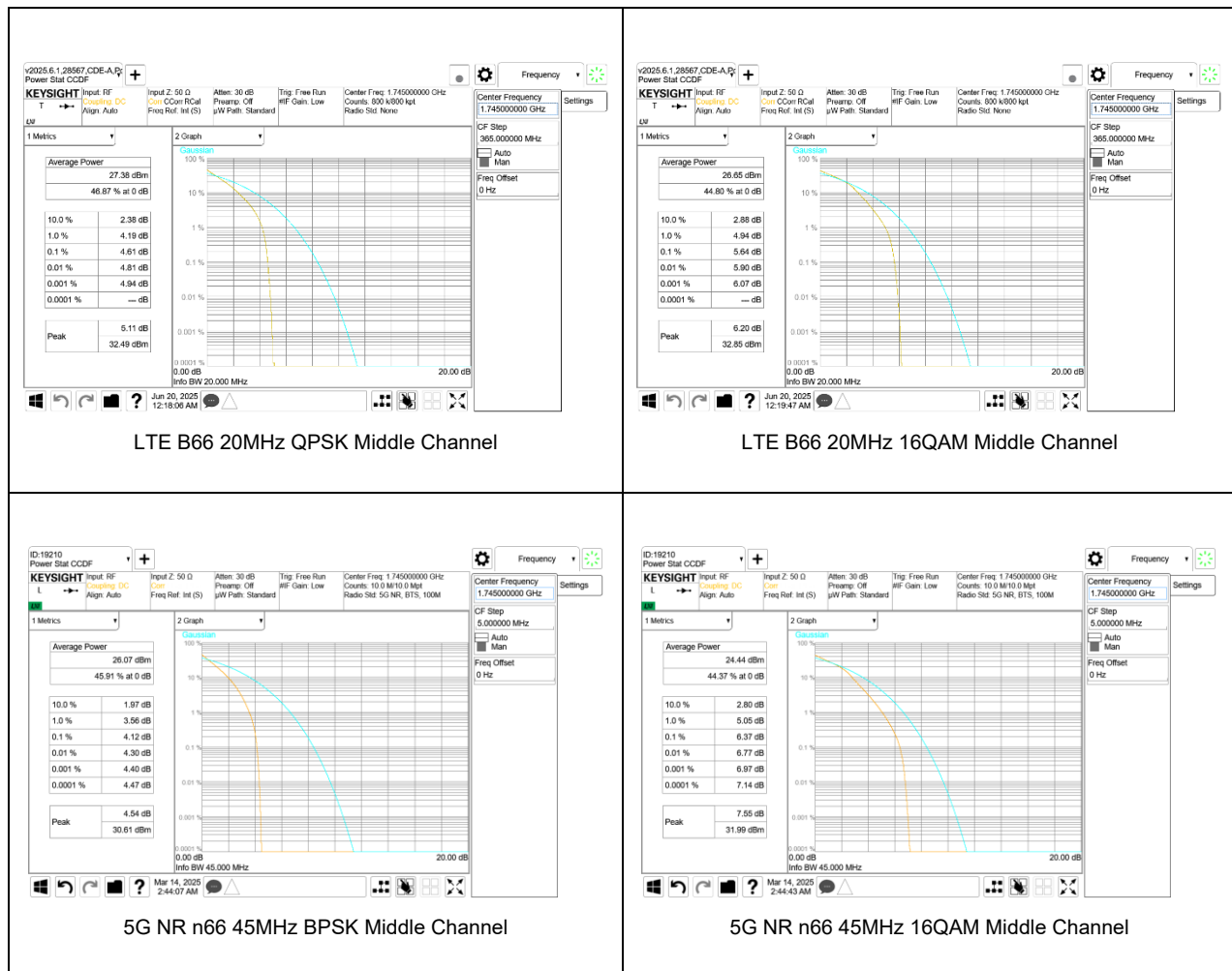
ISED: RSS139§5.5

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:	2025-02-03
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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 66	1.4MHz	1745.0	6	0	QPSK	31.64	26.97	4.67
					16QAM	30.53	26.74	3.79
	3MHz		15	0	QPSK	31.52	27.06	4.46
					16QAM	30.31	26.91	3.40
	5MHz		25	0	QPSK	31.51	27.02	4.49
					16QAM	30.44	26.94	3.50
	10MHz		50	0	QPSK	31.17	26.89	4.28
					16QAM	30.31	26.81	3.50
	15MHz		75	0	QPSK	31.58	26.95	4.63
					16QAM	30.40	26.8	3.60
	20MHz		100	0	QPSK	32.49	27.38	5.11
					16QAM	32.85	26.65	6.20
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:	2025-03-13
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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	30.39	25.98	4.41
					16QAM	31.28	24.43	6.85
	10MHz		50	0	BPSK	30.42	26.08	4.34
					16QAM	31.41	24.44	6.97
	15MHz		75	0	BPSK	30.45	26.00	4.45
					16QAM	31.46	24.43	7.03
	20MHz		100	0	BPSK	30.41	26.09	4.32
					16QAM	31.32	24.4	6.92
	25MHz		128	0	BPSK	30.60	26.11	4.49
					16QAM	31.78	24.51	7.27
	30MHz		160	0	BPSK	30.19	25.83	4.36
					16QAM	31.32	24.33	6.99
	35MHz		180	0	BPSK	30.52	25.86	4.66
					16QAM	30.52	25.86	4.66
	40MHz		216	0	BPSK	30.71	26.01	4.70
					16QAM	31.44	24.27	7.17
	45MHz		240	0	BPSK	30.61	26.07	4.54
					16QAM	31.99	24.44	7.55
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.

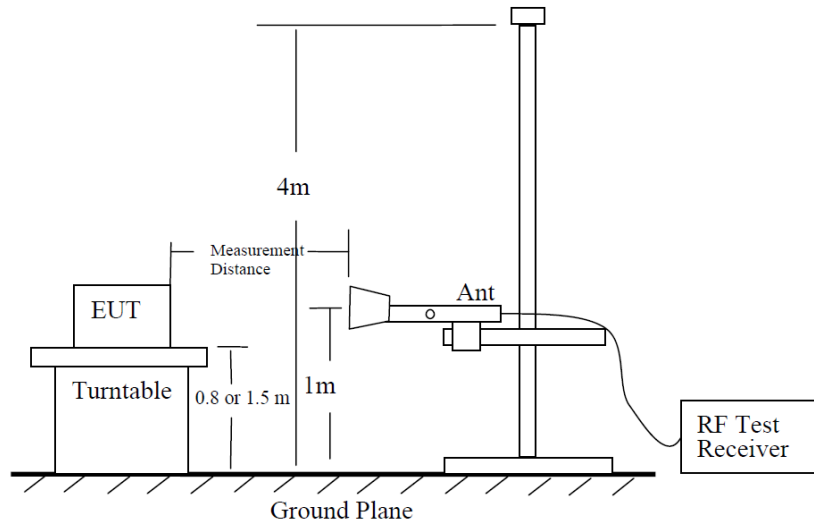


Figure 6 —Test site-up for radiated ERP and/or EIRP measurements

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.

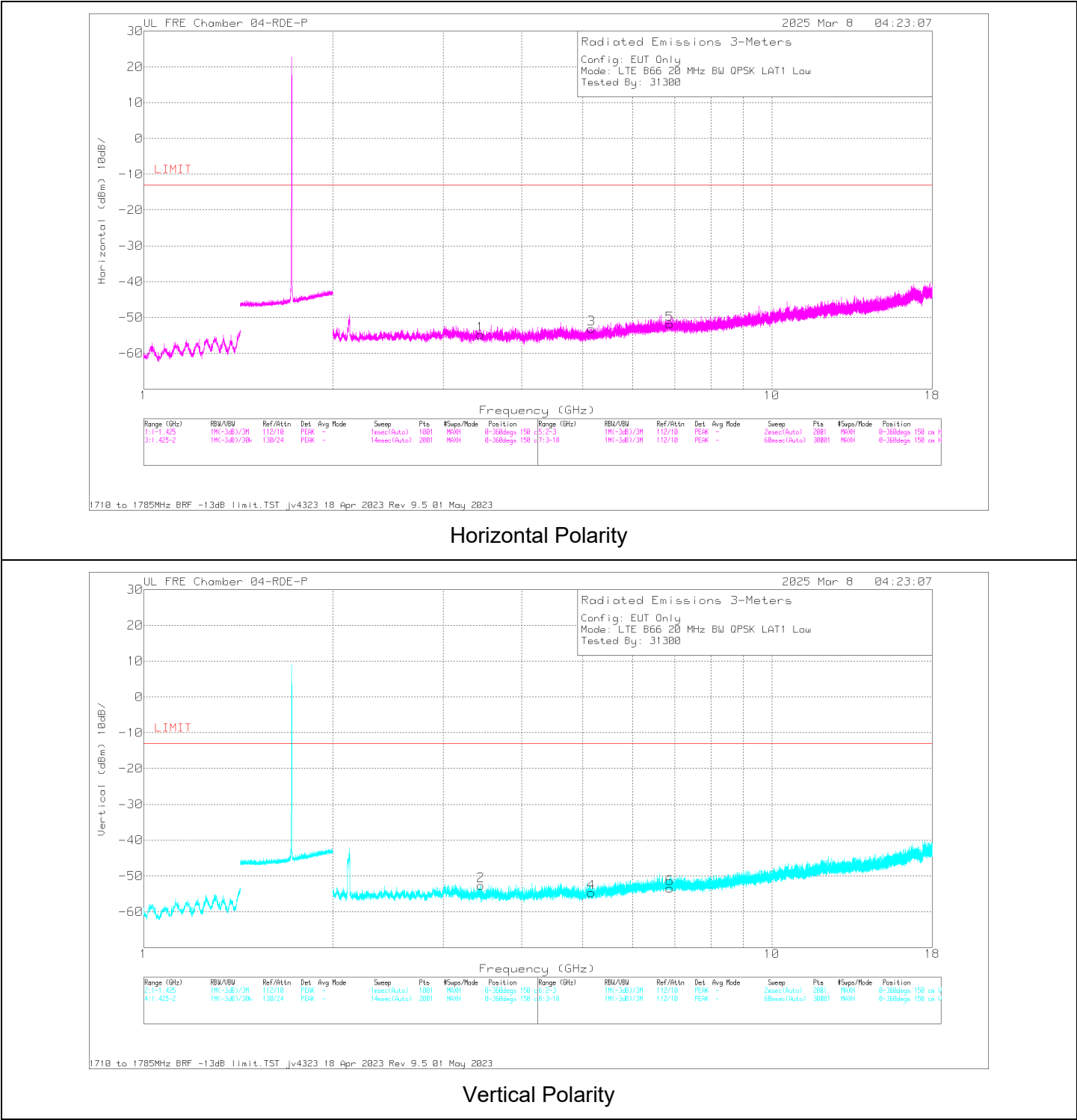
So, from d)

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	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
3.4380	53.84	Pk	32.7	-95.2	-46.17	-54.83	-13	-41.83	H
3.4400	56.02	Pk	32.7	-95.2	-46.16	-52.64	-13	-39.64	V
5.1610	56.76	Pk	34.1	-95.2	-48.85	-53.19	-13	-40.19	H
5.1605	55.28	Pk	34.1	-95.2	-48.86	-54.68	-13	-41.68	V
6.8805	52.85	Pk	35.8	-95.2	-45.33	-51.88	-13	-38.88	H
6.8805	51.28	Pk	35.8	-95.2	-45.33	-53.45	-13	-40.45	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:	2025-03-08
Test Engineer:	31300
Configuration:	EUT Only
Mode:	LTE B66 20MHz QPSK
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, 1720MHz									
3.43800	53.84	Pk	32.7	-95.2	-46.17	-54.83	-13	-41.83	H
3.44000	56.02	Pk	32.7	-95.2	-46.16	-52.64	-13	-39.64	V
5.16100	56.76	Pk	34.1	-95.2	-48.85	-53.19	-13	-40.19	H
5.16050	55.28	Pk	34.1	-95.2	-48.86	-54.68	-13	-41.68	V
6.88050	52.85	Pk	35.8	-95.2	-45.33	-51.88	-13	-38.88	H
6.88050	51.28	Pk	35.8	-95.2	-45.33	-53.45	-13	-40.45	V
Mid Channel, 1745MHz									
3.49050	52.76	Pk	32.8	-95.2	-45.94	-55.58	-13	-42.58	H
3.49000	52.84	Pk	32.8	-95.2	-45.93	-55.49	-13	-42.49	V
5.23500	55.19	Pk	34.2	-95.2	-48.78	-54.59	-13	-41.59	H
5.23600	55.74	Pk	34.2	-95.2	-48.79	-54.05	-13	-41.05	V
6.98000	53.47	Pk	35.8	-95.2	-46.08	-52.01	-13	-39.01	H
6.98000	52.78	Pk	35.8	-95.2	-46.08	-52.70	-13	-39.70	V
High Channel, 1770MHz									
3.54000	54.47	Pk	32.9	-95.2	-46.21	-54.04	-13	-41.04	H
3.54050	55.96	Pk	32.9	-95.2	-46.22	-52.56	-13	-39.56	V
5.31000	55.85	Pk	34.4	-95.2	-48.60	-53.55	-13	-40.55	H
5.31050	56.41	Pk	34.4	-95.2	-48.60	-52.99	-13	-39.99	V
7.08050	53.12	Pk	35.7	-95.2	-45.92	-52.30	-13	-39.30	H
7.08000	53.14	Pk	35.7	-95.2	-45.92	-52.28	-13	-39.28	V

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

Date:	2025-03-08
Test Engineer:	31300
Configuration:	EUT Only
Mode:	LTE B66 20MHz QPSK
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, 1720MHz									
3.440500	54.39	Pk	32.7	-95.2	-46.16	-54.27	-13	-41.27	H
3.440000	53.55	Pk	32.7	-95.2	-46.16	-55.11	-13	-42.11	V
5.159000	54.44	Pk	34	-95.2	-48.85	-55.61	-13	-42.61	H
5.159000	55.69	Pk	34	-95.2	-48.85	-54.36	-13	-41.36	V
6.882000	55.46	Pk	35.8	-95.2	-45.33	-49.27	-13	-36.27	H
6.882000	52.71	Pk	35.8	-95.2	-45.33	-52.02	-13	-39.02	V
Mid Channel, 1745MHz									
3.491000	52.96	Pk	32.8	-95.2	-45.94	-55.38	-13	-42.38	H
3.490500	53.02	Pk	32.8	-95.2	-45.94	-55.32	-13	-42.32	V
5.237000	56.06	Pk	34.2	-95.2	-48.77	-53.71	-13	-40.71	H
5.235500	55.20	Pk	34.2	-95.2	-48.79	-54.59	-13	-41.59	V
6.981000	53.24	Pk	35.8	-95.2	-46.11	-52.27	-13	-39.27	H
6.981500	53.35	Pk	35.8	-95.2	-46.12	-52.17	-13	-39.17	V
High Channel, 1770MHz									
3.541000	53.74	Pk	32.9	-95.2	-46.23	-54.79	-13	-41.79	H
3.540500	53.94	Pk	32.9	-95.2	-46.22	-54.58	-13	-41.58	V
5.310500	55.39	Pk	34.4	-95.2	-48.60	-54.01	-13	-41.01	H
5.310500	55.47	Pk	34.4	-95.2	-48.60	-53.93	-13	-40.93	V
7.080000	52.61	Pk	35.7	-95.2	-45.92	-52.81	-13	-39.81	H
7.080000	53.25	Pk	35.7	-95.2	-45.92	-52.17	-13	-39.17	V

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

Date:	2025-03-11
Test Engineer:	25019
Configuration:	EUT Only
Mode:	LTE B66 20MHz QPSK
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, 1720MHz									
3.420500	54.14	Pk	32.7	-95.2	-46.13	-54.49	-13	-41.49	H
3.420500	53.82	Pk	32.7	-95.2	-46.13	-54.81	-13	-41.81	V
5.130000	54.49	Pk	34	-95.2	-48.93	-55.64	-13	-42.64	H
5.130000	55.09	Pk	34	-95.2	-48.93	-55.04	-13	-42.04	V
6.840500	52.85	Pk	35.8	-95.2	-45.04	-51.59	-13	-38.59	H
6.840500	51.11	Pk	35.8	-95.2	-45.04	-53.33	-13	-40.33	V
Mid Channel, 1745MHz									
3.470000	52.66	Pk	32.7	-95.2	-45.87	-55.71	-13	-42.71	H
3.470000	52.81	Pk	32.7	-95.2	-45.87	-55.56	-13	-42.56	V
5.206000	53.69	Pk	34.2	-95.2	-48.84	-56.15	-13	-43.15	H
5.206000	54.41	Pk	34.2	-95.2	-48.84	-55.43	-13	-42.43	V
6.940500	51.93	Pk	35.8	-95.2	-45.63	-53.10	-13	-40.10	H
6.940500	52.92	Pk	35.8	-95.2	-45.63	-52.11	-13	-39.11	V
High Channel, 1770MHz									
3.520500	52.47	Pk	32.9	-95.2	-45.94	-55.77	-13	-42.77	H
3.520500	53.45	Pk	32.9	-95.2	-45.94	-54.79	-13	-41.79	V
5.280500	54.96	Pk	34.3	-95.2	-48.63	-54.57	-13	-41.57	H
5.280500	55.72	Pk	34.3	-95.2	-48.63	-53.81	-13	-40.81	V
7.040500	53.34	Pk	35.7	-95.2	-46.01	-52.17	-13	-39.17	H
7.040500	52.87	Pk	35.7	-95.2	-46.01	-52.64	-13	-39.64	V

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

Date:	2025-03-11
Test Engineer:	31300
Configuration:	EUT Only
Mode:	LTE B66 20MHz QPSK
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, 1720MHz									
3.441000	54.02	Pk	32.7	-95.2	-46.15	-54.63	-13	-41.63	H
3.441000	54.22	Pk	32.7	-95.2	-46.15	-54.43	-13	-41.43	V
5.160500	55.10	Pk	34.1	-95.2	-48.86	-54.86	-13	-41.86	H
5.160000	56.66	Pk	34.1	-95.2	-48.86	-53.30	-13	-40.30	V
6.880000	53.23	Pk	35.8	-95.2	-45.33	-51.50	-13	-38.50	H
6.880000	52.63	Pk	35.8	-95.2	-45.33	-52.10	-13	-39.10	V
Mid Channel, 1745MHz									
3.490500	53.29	Pk	32.8	-95.2	-45.94	-55.05	-13	-42.05	H
3.490250	51.84	Pk	32.8	-95.2	-45.93	-56.49	-13	-43.49	V
5.235500	54.80	Pk	34.2	-95.2	-48.79	-54.99	-13	-41.99	H
5.235500	56.40	Pk	34.2	-95.2	-48.79	-53.39	-13	-40.39	V
6.983500	53.57	Pk	35.8	-95.2	-46.17	-52.00	-13	-39.00	H
6.980500	55.02	Pk	35.8	-95.2	-46.10	-50.48	-13	-37.48	V
High Channel, 1770MHz									
3.541500	53.18	Pk	32.9	-95.2	-46.24	-55.36	-13	-42.36	H
3.541000	54.12	Pk	32.9	-95.2	-46.23	-54.41	-13	-41.41	V
5.310000	56.84	Pk	34.4	-95.2	-48.60	-52.56	-13	-39.56	H
5.310000	55.72	Pk	34.4	-95.2	-48.60	-53.68	-13	-40.68	V
7.080500	54.16	Pk	35.7	-95.2	-45.92	-51.26	-13	-38.26	H
7.080500	54.65	Pk	35.7	-95.2	-45.92	-50.77	-13	-37.77	V

10.1.2. 5G NR n66

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

Date:	2025-03-19
Test Engineer:	26051
Configuration:	EUT Only
Mode:	5G NR n66 45MHz 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, 1732.5MHz									
3.45500	54.69	Pk	32.9	-95.2	-46	-53.61	-13	-40.61	H
3.47400	54.89	Pk	32.9	-95.2	-46.2	-53.61	-13	-40.61	V
5.20300	56.10	Pk	34.4	-95.2	-47	-51.70	-13	-38.70	H
5.20550	55.49	Pk	34.5	-95.2	-47	-52.21	-13	-39.21	V
6.92300	54.02	Pk	35.8	-95.2	-44.8	-50.18	-13	-37.18	H
6.93500	53.49	Pk	35.8	-95.2	-44.6	-50.51	-13	-37.51	V
Mid Channel, 1745MHz									
3.48500	55.84	Pk	32.9	-95.2	-46.4	-52.86	-13	-39.86	H
3.48600	56.69	Pk	32.9	-95.2	-46.4	-52.01	-13	-39.01	V
5.25200	55.55	Pk	34.5	-95.2	-47	-52.15	-13	-39.15	H
5.23600	55.55	Pk	34.5	-95.2	-46.8	-51.95	-13	-38.95	V
6.98450	53.80	Pk	35.8	-95.2	-44.3	-49.90	-13	-36.90	H
6.99000	53.59	Pk	35.8	-95.2	-44.4	-50.21	-13	-37.21	V
High Channel, 1757.5MHz									
3.52400	55.15	Pk	33	-95.2	-46	-53.05	-13	-40.05	H
3.53300	55.32	Pk	33	-95.2	-46.1	-52.98	-13	-39.98	V
5.28050	55.92	Pk	34.6	-95.2	-46.9	-51.58	-13	-38.58	H
5.27750	55.94	Pk	34.6	-95.2	-46.95	-51.61	-13	-38.61	V
7.05200	54.05	Pk	35.7	-95.2	-44.9	-50.35	-13	-37.35	H
7.05000	53.40	Pk	35.7	-95.2	-44.8	-50.90	-13	-37.90	V

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

Date:	2025-03-19
Test Engineer:	26051
Configuration:	EUT Only
Mode:	5G NR n66 45MHz 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, 1732.5MHz									
3.465000	55.33	Pk	32.9	-95.2	-46.00	-52.97	-13	-39.97	H
3.455500	55.00	Pk	32.9	-95.2	-46.00	-53.30	-13	-40.30	V
5.188000	55.88	Pk	34.4	-95.2	-47.10	-52.02	-13	-39.02	H
5.194000	55.61	Pk	34.4	-95.2	-46.90	-52.09	-13	-39.09	V
6.931000	53.45	Pk	35.8	-95.2	-44.80	-50.75	-13	-37.75	H
6.910500	53.49	Pk	35.8	-95.2	-44.80	-50.71	-13	-37.71	V
Mid Channel, 1745MHz									
3.501000	56.33	Pk	33	-95.2	-46.30	-52.17	-13	-39.17	H
3.487500	55.88	Pk	32.9	-95.2	-46.35	-52.77	-13	-39.77	V
5.262000	55.78	Pk	34.6	-95.2	-47.10	-51.92	-13	-38.92	H
5.254500	55.18	Pk	34.5	-95.2	-46.90	-52.42	-13	-39.42	V
6.986000	53.88	Pk	35.8	-95.2	-44.30	-49.82	-13	-36.82	H
6.985000	53.47	Pk	35.8	-95.2	-44.30	-50.23	-13	-37.23	V
High Channel, 1757.5MHz									
3.524500	55.40	Pk	33	-95.2	-46.00	-52.80	-13	-39.80	H
3.526000	55.91	Pk	33	-95.2	-46.00	-52.29	-13	-39.29	V
5.284500	55.21	Pk	34.6	-95.2	-46.80	-52.19	-13	-39.19	H
5.293500	55.80	Pk	34.6	-95.2	-46.90	-51.70	-13	-38.70	V
7.035500	54.20	Pk	35.7	-95.2	-44.70	-50.00	-13	-37.00	H
7.033500	53.20	Pk	35.7	-95.2	-44.60	-50.90	-13	-37.90	V

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

Date:	2025-03-19
Test Engineer:	25019
Configuration:	EUT Only
Mode:	5G NR n66 45MHz 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, 1732.5MHz									
3.460500	52.39	Pk	32.7	-95.2	-45.86	-55.97	-13	-42.97	H
3.460500	52.60	Pk	32.7	-95.2	-45.86	-55.76	-13	-42.76	V
5.190500	54.50	Pk	34.1	-95.2	-48.85	-55.45	-13	-42.45	H
5.190500	56.09	Pk	34.1	-95.2	-48.85	-53.86	-13	-40.86	V
6.920000	51.88	Pk	35.8	-95.2	-45.70	-53.22	-13	-40.22	H
6.920000	52.49	Pk	35.8	-95.2	-45.70	-52.61	-13	-39.61	V
Mid Channel, 1745MHz									
3.490500	53.02	Pk	32.8	-95.2	-45.94	-55.32	-13	-42.32	H
3.490500	52.36	Pk	32.8	-95.2	-45.94	-55.98	-13	-42.98	V
5.235500	56.40	Pk	34.2	-95.2	-48.79	-53.39	-13	-40.39	H
5.235500	55.17	Pk	34.2	-95.2	-48.79	-54.62	-13	-41.62	V
6.980000	52.78	Pk	35.8	-95.2	-46.08	-52.70	-13	-39.70	H
6.980000	52.96	Pk	35.8	-95.2	-46.08	-52.52	-13	-39.52	V
High Channel, 1757.5MHz									
3.520500	52.24	Pk	32.9	-95.2	-45.94	-56.00	-13	-43.00	H
3.520500	53.36	Pk	32.9	-95.2	-45.94	-54.88	-13	-41.88	V
5.280000	54.64	Pk	34.3	-95.2	-48.64	-54.90	-13	-41.90	H
5.280000	55.63	Pk	34.3	-95.2	-48.64	-53.91	-13	-40.91	V
7.040500	53.77	Pk	35.7	-95.2	-46.01	-51.74	-13	-38.74	H
7.040500	53.93	Pk	35.7	-95.2	-46.01	-51.58	-13	-38.58	V

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

Date:	2025-04-16
Test Engineer:	32545
Configuration:	EUT Only
Mode:	5G NR n66 45MHz BPSK
Chamber #:	05-RDE-D

Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1732.5MHz									
3.46000	54.97	Pk	32.8	-95.2	-47.41	-54.84	-13	-41.84	H
3.46050	54.24	Pk	32.8	-95.2	-47.44	-55.60	-13	-42.60	V
5.21450	56.66	Pk	34.4	-95.2	-48.15	-52.29	-13	-39.29	H
5.17750	56.82	Pk	34.3	-95.2	-48.31	-52.39	-13	-39.39	V
6.93850	56.03	Pk	35.6	-95.2	-46.49	-50.06	-13	-37.06	H
6.93400	55.98	Pk	35.6	-95.2	-46.45	-50.07	-13	-37.07	V
Mid Channel, 1745MHz									
3.51250	56.76	Pk	33.0	-95.2	-47.42	-52.86	-13	-39.86	H
3.49850	56.52	Pk	33.0	-95.2	-47.49	-53.17	-13	-40.17	V
5.25850	56.44	Pk	34.4	-95.2	-47.62	-51.98	-13	-38.98	H
5.25650	56.84	Pk	34.4	-95.2	-47.59	-51.55	-13	-38.55	V
6.99100	55.19	Pk	35.6	-95.2	-46.80	-51.21	-13	-38.21	H
6.98950	55.18	Pk	35.6	-95.2	-46.86	-51.28	-13	-38.28	V
High Channel, 1757.5MHz									
3.50050	56.83	Pk	33.0	-95.2	-47.47	-52.84	-13	-39.84	H
3.51950	56.64	Pk	33.0	-95.2	-47.36	-52.92	-13	-39.92	V
5.29700	57.41	Pk	34.5	-95.2	-47.75	-51.04	-13	-38.04	H
5.29350	56.71	Pk	34.5	-95.2	-47.84	-51.83	-13	-38.83	V
7.04700	55.84	Pk	35.6	-95.2	-46.85	-50.61	-13	-37.61	H
7.04700	55.82	Pk	35.6	-95.2	-46.85	-50.63	-13	-37.63	V

11. SETUP PHOTOS

Refer to 15496224-EP1V1 for setup photos.

END OF REPORT