

9.4.3. LTE ULCA BAND 48B QPSK (10MHz + 10MHz BANDWIDTH)

Test Engineer ID:	27700	Test Date:	6/29/2025
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QPSK (10MHz + 10MHz BANDWIDTH)

Band	48	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		3550	3700			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	3550.2192	3699.7427			
Extreme (50°C)		3550.2192	3699.7427	5.5	0.002	Yes
Extreme (40°C)		3550.2192	3699.7427	-2.6	-0.001	Yes
Extreme (30°C)		3550.2192	3699.7427	-8.2	-0.002	Yes
Extreme (10°C)		3550.2192	3699.7427	5.9	0.002	Yes
Extreme (0°C)		3550.2192	3699.7427	2.7	0.001	Yes
Extreme (-10°C)		3550.2192	3699.7427	0.8	0.000	Yes
Extreme (-20°C)		3550.2192	3699.7427	-6.4	-0.002	Yes
Extreme (-30°C)		3550.2192	3699.7427	-9.1	-0.002	Yes
20°C	15%	3550.2192	3699.7427	11.9	0.003	Yes
	-15%	3550.2192	3699.7427	7.4	0.002	Yes
	End Point Voltage	3550.2192	3699.7427	8.5	0.002	Yes

9.4.4. LTE ULCA BAND 48C QPSK (20MHz + 20MHz BANDWIDTH)

Test Engineer ID:	27700	Test Date:	4/9/2025
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QPSK (20MHz + 20MHz BANDWIDTH)

Band	48	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		3550	3700		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)			
Temperature	Voltage					
Normal (20°C)	Normal	3550.1443	3699.0239			
Extreme (50°C)		3550.1443	3699.0239	85.2	0.024	Yes
Extreme (40°C)		3550.1443	3699.0239	81.8	0.023	Yes
Extreme (30°C)		3550.1443	3699.0239	88.3	0.024	Yes
Extreme (10°C)		3550.1443	3699.0239	71.4	0.020	Yes
Extreme (0°C)		3550.1443	3699.0239	65.5	0.018	Yes
Extreme (-10°C)		3550.1443	3699.0239	41.0	0.011	Yes
Extreme (-20°C)		3550.1443	3699.0239	-9.2	-0.003	Yes
Extreme (-30°C)		3550.1443	3699.0239	-28.8	-0.008	Yes
20°C	15%	3550.1443	3699.0239	80.8	0.022	Yes
	-15%	3550.1443	3699.0239	83.5	0.023	Yes
	End Point Voltage	3550.1443	3699.0239	84.1	0.023	Yes

9.5. PEAK-TO-AVERAGE POWER RATIO

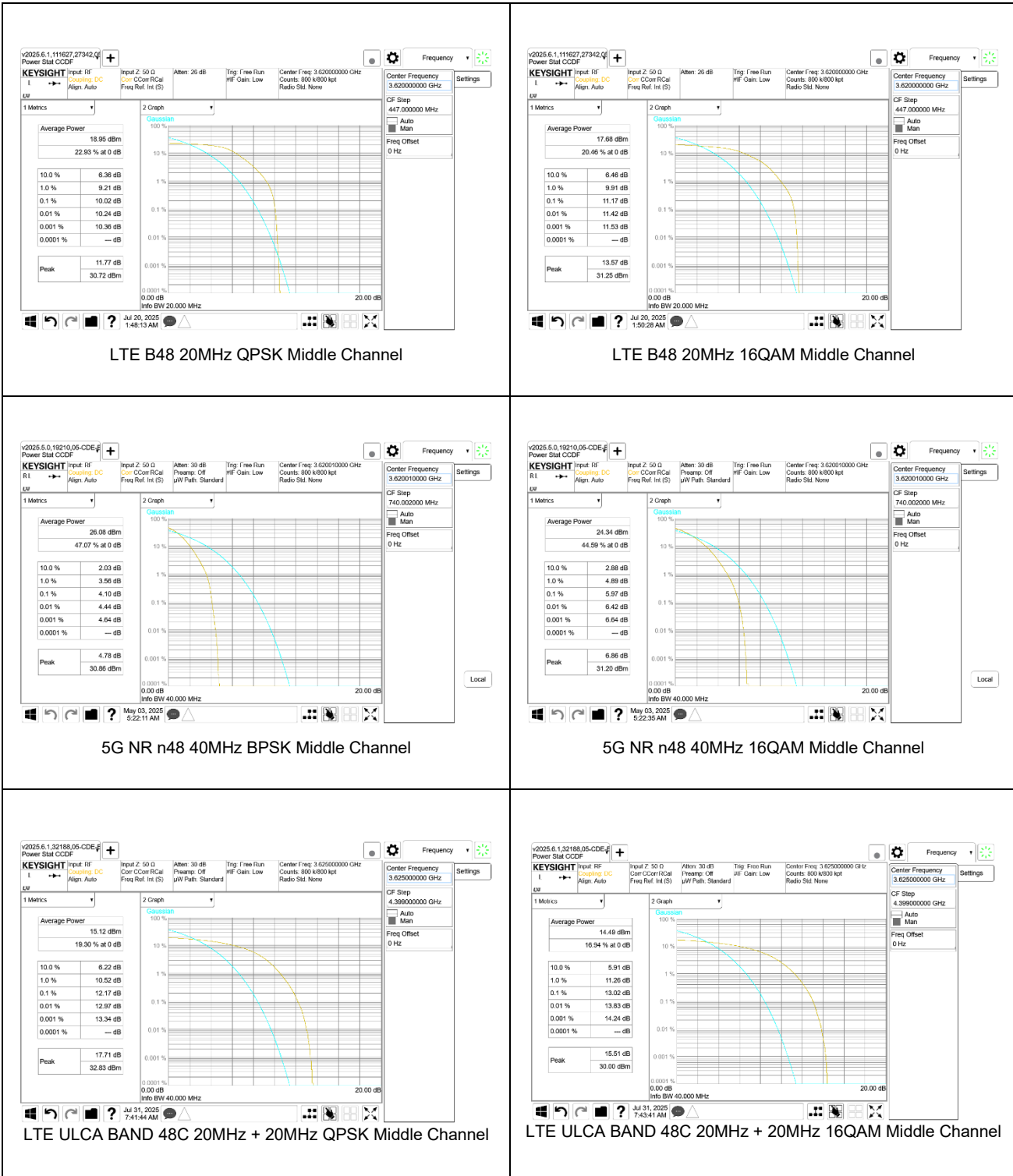
LIMIT

In addition, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1% of the time and shall use a signal corresponding to the highest PAPR during periods of continuous transmission.

RESULT

Antenna 9 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 48

Test Engineer ID:	111627	Test Date:	2025-07-19
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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	
Band 48	5MHz	3625.0	25	0	QPSK	30.54	18.78	4.77
					16QAM	31.40	17.43	6.98
	10MHz	50	0	QPSK	30.14	18.48	4.67	
				16QAM	31.05	17.6	6.46	
	15MHz	3620.0	75	0	QPSK	30.04	18.4	4.65
					16QAM	31.60	17.58	7.03
	20MHz	100	0	QPSK	30.72	18.95	4.78	
				16QAM	31.25	17.68	6.58	
Duty Cycle Correction Factor (dB) =			6.99					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

9.5.2. 5G NR n48

Test Engineer ID:	19210	Test Date:	2025-05-02
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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	
5G NR n48	10MHz	3625.0	24	0	BPSK	30.53	26.39	4.14
					16QAM	31.53	24.98	6.55
	15MHz	3620.0	36	0	BPSK	30.55	26.38	4.17
					16QAM	31.42	24.91	6.51
	20MHz	3620.0	50	0	BPSK	30.52	26.37	4.15
					16QAM	31.31	24.73	6.58
	30MHz	3625.0	75	0	BPSK	30.45	26.02	4.43
					16QAM	31.10	24.42	6.68
	40MHz	3620.0	100	0	BPSK	30.86	26.08	4.78
					16QAM	31.20	24.34	6.86
Duty Cycle Correction Factor (dB) =			0.00					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

9.5.3. LTE ULCA BAND 48B

Test Engineer ID:	111627	Test Date:	2025-07-19
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Band	Bandwidth (MHz)	PCC f (MHz)	SCC1 f (MHz)	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
					Peak	Average	
LTE ULCA Band 48B	10MHz / 10MHz	3620.1	3630.0	QPSK	30.30	17.59	5.71
				16QAM	31.52	15.86	8.66
Duty Cycle Correction Factor (dB) =			7.00				
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor							

9.5.4. LTE ULCA BAND 48C

Test Engineer ID:	32188	Test Date:	2025-07-30
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Band	Bandwidth (MHz)	PCC f (MHz)	SCC1 f (MHz)	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
					Peak	Average	
LTE ULCA Band 48C	5MHz / 20MHz	3615.8	3627.5	QPSK	32.35	16.19	9.17
				16QAM	30.81	15.03	8.79
	20MHz / 5MHz	3622.5	3634.2	QPSK	32.78	16.27	9.52
				16QAM	29.70	15.72	6.99
	10MHz / 20MHz	3615.6	3630.0	QPSK	30.48	15.86	7.63
				16QAM	30.90	14.61	9.30
	20MHz / 10MHz	3620.1	3634.5	QPSK	29.68	15.23	7.46
				16QAM	31.17	15.1	9.08
	15MHz / 20MHz	3615.3	3632.4	QPSK	30.22	15.14	8.09
				16QAM	30.08	13.34	9.75
	20MHz / 15MHz	3617.6	3634.7	QPSK	30.86	15.82	8.05
				16QAM	30.15	14.49	8.67
	20MHz / 20MHz	3615.1	3634.9	QPSK	32.83	15.12	10.72
				16QAM	30.00	14.49	8.52
Duty Cycle Correction Factor (dB) =			6.99				
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor							

10. RADIATED TEST RESULTS

LIMITS

FCC: §96.41

(e) 3.5 GHz Emissions and Interference Limits—

(2) Additional protection levels. Notwithstanding paragraph (d)(1) of this section, the conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/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 method.

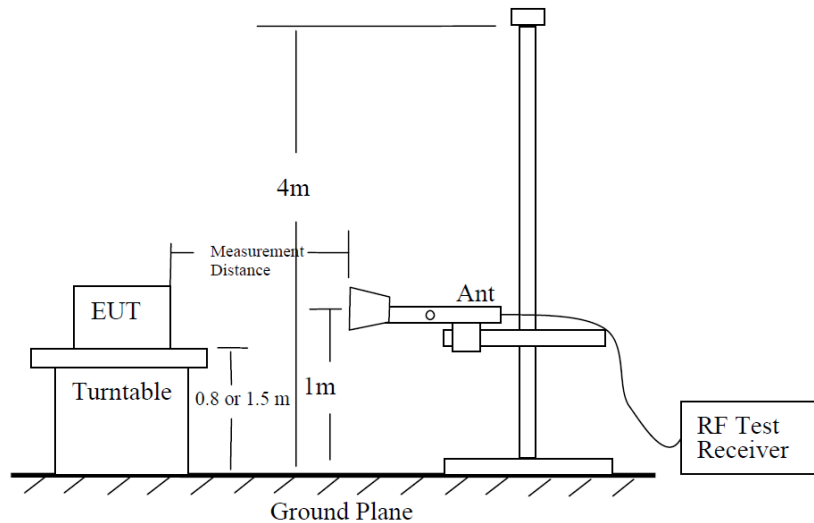


Figure 6—Test site-up for radiated ERP and/or EIRP measurements

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.

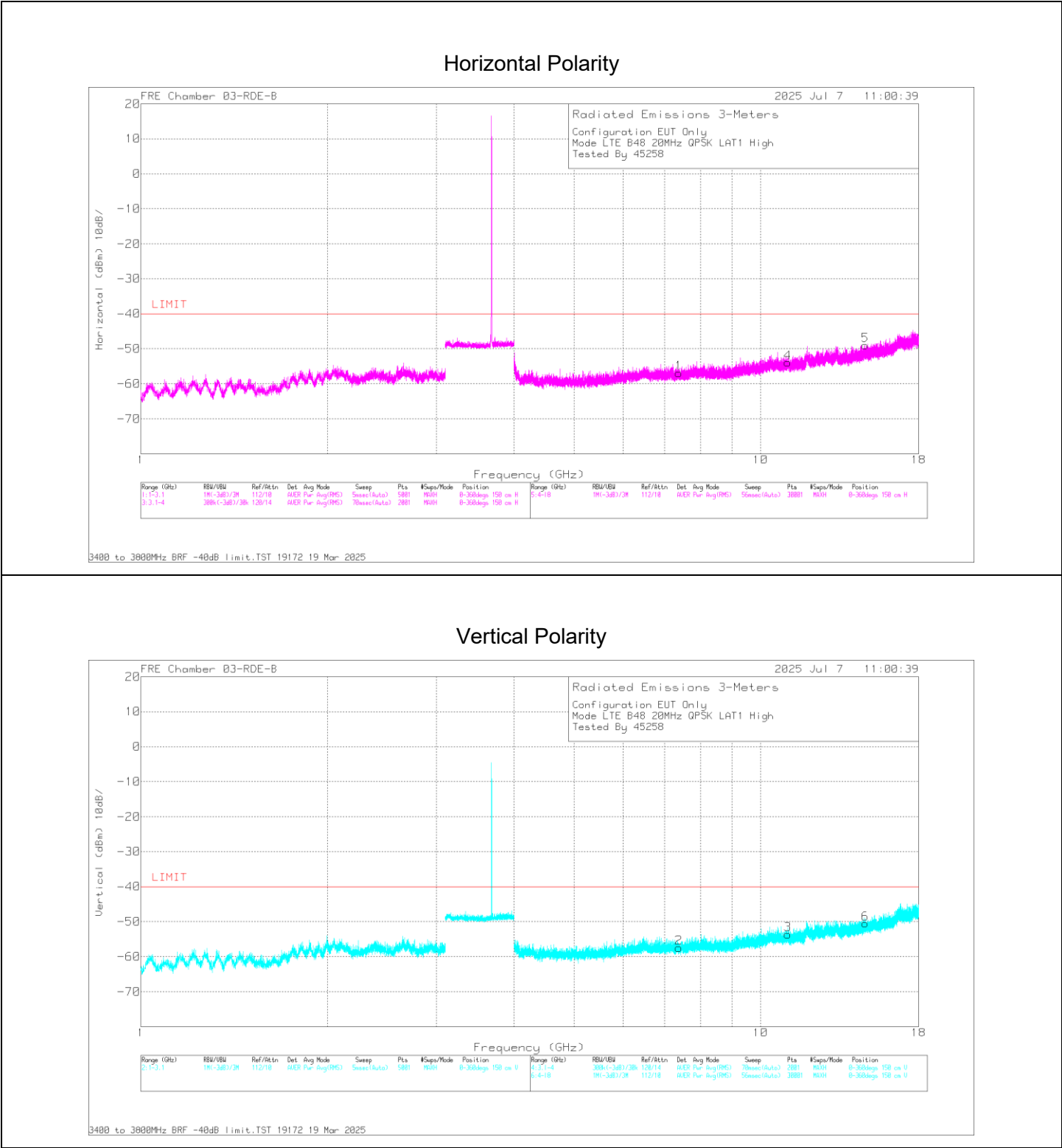
So, from d)

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	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
7.380069	50.5	RMS	35.6	-95.2	-47.8	-56.9	-40	-16.9	H
7.380536	49.99	RMS	35.6	-95.2	-47.8	-57.41	-40	-17.41	V
11.070005	49.24	RMS	37.8	-95.2	-45.8	-53.96	-40	-13.96	H
11.072805	49.57	RMS	37.8	-95.2	-45.8	-53.63	-40	-13.63	V
14.760874	52.48	RMS	39.6	-95.2	-45.9	-49.02	-40	-9.02	H
14.760874	50.97	RMS	39.6	-95.2	-45.9	-50.53	-40	-10.53	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 48 SISO

QPSK LTE BAND 48 (20MHz BANDWIDTH, ANT 9)

Date:	2025-07-07
Test Engineer:	45258
Configuration:	EUT Only
Mode:	LTE B48 20MHz QPSK
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 3560 MHz									
7.181736	51.02	RMS	35.7	-95.2	-47.3	-55.78	-40	-15.78	H
7.180802	50.92	RMS	35.7	-95.2	-47.3	-55.88	-40	-15.88	V
10.770872	50.62	RMS	37.7	-95.2	-46.71	-53.59	-40	-13.59	H
10.769005	50.57	RMS	37.7	-95.2	-46.7	-53.63	-40	-13.63	V
14.360941	51.76	RMS	39.2	-95.2	-46.2	-50.44	-40	-10.44	H
14.361874	50.22	RMS	39.2	-95.2	-46.11	-51.89	-40	-11.89	V
Mid Channel, 3625MHz									
7.248936	50.13	RMS	35.7	-95.2	-47.81	-57.18	-40	-17.18	H
7.251269	50.70	RMS	35.6	-95.2	-47.9	-56.80	-40	-16.80	V
10.872605	50.66	RMS	37.8	-95.2	-46.46	-53.20	-40	-13.20	H
10.872605	49.74	RMS	37.8	-95.2	-46.46	-54.12	-40	-14.12	V
14.498608	50.71	RMS	39.4	-95.2	-45.8	-50.89	-40	-10.89	H
14.499541	50.17	RMS	39.4	-95.2	-45.75	-51.38	-40	-11.38	V
High Channel, 3690MHz									
7.380069	50.50	RMS	35.6	-95.2	-47.8	-56.90	-40	-16.90	H
7.380536	49.99	RMS	35.6	-95.2	-47.8	-57.41	-40	-17.41	V
11.070005	49.24	RMS	37.8	-95.2	-45.8	-53.96	-40	-13.96	H
11.072805	49.57	RMS	37.8	-95.2	-45.8	-53.63	-40	-13.63	V
14.760874	52.48	RMS	39.6	-95.2	-45.9	-49.02	-40	-9.02	H
14.760874	50.97	RMS	39.6	-95.2	-45.9	-50.53	-40	-10.53	V

QPSK LTE BAND 48 (20MHz BANDWIDTH, ANT 8)

Date:	2025-07-07
Test Engineer:	45258
Configuration:	EUT Only
Mode:	LTE B48 20MHz QPSK
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 3560 MHz									
7.120602	50.98	RMS	35.7	-95.2	-47.14	-55.66	-40	-15.66	H
7.122469	49.47	RMS	35.7	-95.2	-47.15	-57.18	-40	-17.18	V
10.681271	50.53	RMS	37.7	-95.2	-46.87	-53.84	-40	-13.84	H
10.678005	50.15	RMS	37.7	-95.2	-46.9	-54.25	-40	-14.25	V
14.241007	50.68	RMS	39.1	-95.2	-45.9	-51.32	-40	-11.32	H
14.239607	51.16	RMS	39.1	-95.2	-45.84	-50.78	-40	-10.78	V
Mid Channel, 3625MHz									
7.252669	50.49	RMS	35.6	-95.2	-47.9	-57.01	-40	-17.01	H
7.251269	50.37	RMS	35.6	-95.2	-47.9	-57.13	-40	-17.13	V
10.874005	49.92	RMS	37.8	-95.2	-46.4	-53.88	-40	-13.88	H
10.874938	49.65	RMS	37.8	-95.2	-46.4	-54.15	-40	-14.15	V
14.501874	51.03	RMS	39.4	-95.2	-45.7	-50.47	-40	-10.47	H
14.501408	50.3	RMS	39.4	-95.2	-45.7	-51.2	-40	-11.20	V
High Channel, 3690MHz									
7.379602	51.36	RMS	35.6	-95.2	-47.8	-56.04	-40	-16.04	H
7.379136	50.25	RMS	35.6	-95.2	-47.8	-57.15	-40	-17.15	V
11.071405	49.28	RMS	37.8	-95.2	-45.8	-53.92	-40	-13.92	H
11.072805	49.57	RMS	37.8	-95.2	-45.8	-53.63	-40	-13.63	V
14.759941	51.07	RMS	39.6	-95.2	-45.9	-50.43	-40	-10.43	H
14.760874	50.97	RMS	39.6	-95.2	-45.9	-50.53	-40	-10.53	V

QPSK LTE BAND 48 (20MHz BANDWIDTH, ANT 4)

Date:	2025-07-07
Test Engineer:	45258
Configuration:	EUT Only
Mode:	LTE B48 20MHz QPSK
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 3560 MHz									
7.121536	50.08	RMS	35.7	-95.2	-47.1	-56.52	-40	-16.52	H
7.121069	50.26	RMS	35.7	-95.2	-47.1	-56.34	-40	-16.34	V
10.678938	51.72	RMS	37.7	-95.2	-46.9	-52.68	-40	-12.68	H
10.681271	51.51	RMS	37.7	-95.2	-46.87	-52.86	-40	-12.86	V
14.244741	51.24	RMS	39.1	-95.2	-45.9	-50.76	-40	-10.76	H
14.242874	52.8	RMS	39.1	-95.2	-45.99	-49.29	-40	-9.29	V
Mid Channel, 3625MHz									
7.250802	51.46	RMS	35.6	-95.2	-47.9	-56.04	-40	-16.04	H
7.253602	51.47	RMS	35.6	-95.2	-47.9	-56.03	-40	-16.03	V
10.875405	49.98	RMS	37.8	-95.2	-46.4	-53.82	-40	-13.82	H
10.874938	49.65	RMS	37.8	-95.2	-46.4	-54.15	-40	-14.15	V
14.500474	50.02	RMS	39.4	-95.2	-45.7	-51.48	-40	-11.48	H
14.501408	50.3	RMS	39.4	-95.2	-45.7	-51.20	-40	-11.20	V
High Channel, 3690MHz									
7.382869	51.06	RMS	35.6	-95.2	-47.8	-56.34	-40	-16.34	H
7.381002	51.06	RMS	35.6	-95.2	-47.8	-56.34	-40	-16.34	V
11.073272	50.01	RMS	37.8	-95.2	-45.8	-53.19	-40	-13.19	H
11.073738	51.31	RMS	37.9	-95.2	-45.8	-51.79	-40	-11.79	V
14.673608	51.11	RMS	39.5	-95.2	-45.8	-50.39	-40	-10.39	H
14.676408	50.77	RMS	39.5	-95.2	-45.78	-50.71	-40	-10.71	V

QPSK LTE BAND 48 (20MHz BANDWIDTH, ANT 7)

Date:	2025-07-07
Test Engineer:	45258
Configuration:	EUT Only
Mode:	LTE B48 20MHz QPSK
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 3560 MHz									
7.121536	50.37	RMS	35.7	-95.2	-47.1	-56.23	-40	-16.23	H
7.121069	50.26	RMS	35.7	-95.2	-47.1	-56.34	-40	-16.34	V
10.681271	50.31	RMS	37.7	-95.2	-46.87	-54.06	-40	-14.06	H
10.681271	51.51	RMS	37.7	-95.2	-46.87	-52.86	-40	-12.86	V
14.241941	51.22	RMS	39.1	-95.2	-45.9	-50.78	-40	-10.78	H
14.242874	52.8	RMS	39.1	-95.2	-45.99	-49.29	-40	-9.29	V
Mid Channel, 3625MHz									
7.249402	51.77	RMS	35.7	-95.2	-47.84	-55.57	-40	-15.57	H
7.248469	51.13	RMS	35.7	-95.2	-47.85	-56.22	-40	-16.22	V
10.875872	49.62	RMS	37.8	-95.2	-46.4	-54.18	-40	-14.18	H
10.876338	51.05	RMS	37.8	-95.2	-46.4	-52.75	-40	-12.75	V
14.504208	51.01	RMS	39.4	-95.2	-45.7	-50.49	-40	-10.49	H
14.501408	51.19	RMS	39.4	-95.2	-45.7	-50.31	-40	-10.31	V
High Channel, 3690MHz									
7.377736	50.69	RMS	35.6	-95.2	-47.8	-56.71	-40	-16.71	H
7.379602	50.12	RMS	35.6	-95.2	-47.8	-57.28	-40	-17.28	V
11.073738	50.94	RMS	37.9	-95.2	-45.8	-52.16	-40	-12.16	H
11.073738	51.31	RMS	37.9	-95.2	-45.8	-51.79	-40	-11.79	V
14.759474	51.4	RMS	39.6	-95.2	-45.9	-50.10	-40	-10.10	H
14.759474	50.7	RMS	39.6	-95.2	-45.9	-50.80	-40	-10.80	V

10.1.2. 5G NR n48 SISO

BPSK 5G NR n48 (40MHZ BANDWIDTH, ANT 9)

Date:	2025-07-04
Test Engineer:	32545
Configuration:	EUT Only
Mode:	FR1 N48 40MHz BPSK
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 3570 MHz									
7.137869	50.84	RMS	35.7	-95.2	-47.2	-55.86	-40	-15.86	H
7.155602	51.3	RMS	35.7	-95.2	-47.1	-55.30	-40	-15.30	V
10.703671	51.76	RMS	37.7	-95.2	-46.8	-52.54	-40	-12.54	H
10.724205	51.55	RMS	37.7	-95.2	-46.8	-52.75	-40	-12.75	V
14.283007	51.31	RMS	39.2	-95.2	-45.9	-50.59	-40	-10.59	H
14.276941	52.5	RMS	39.2	-95.2	-45.81	-49.31	-40	-9.31	V
Mid Channel, 3620MHz									
7.233069	52.4	RMS	35.7	-95.2	-47.81	-54.91	-40	-14.91	H
7.254536	51.32	RMS	35.6	-95.2	-47.9	-56.18	-40	-16.18	V
10.859072	51.59	RMS	37.8	-95.2	-46.3	-52.11	-40	-12.11	H
10.849272	51.25	RMS	37.8	-95.2	-46.3	-52.45	-40	-12.45	V
14.487874	51.28	RMS	39.4	-95.2	-45.6	-50.12	-40	-10.12	H
14.462674	51.94	RMS	39.3	-95.2	-45.8	-49.76	-40	-9.76	V
High Channel, 3680MHz									
7.353936	51.15	RMS	35.6	-95.2	-47.7	-56.15	-40	-16.15	H
7.354402	51.37	RMS	35.6	-95.2	-47.7	-55.93	-40	-15.93	V
11.040605	51.44	RMS	37.8	-95.2	-46	-51.96	-40	-11.96	H
11.041072	50.91	RMS	37.8	-95.2	-46	-52.49	-40	-12.49	V
14.700208	52.65	RMS	39.6	-95.2	-45.9	-48.85	-40	-8.85	H
14.700674	51.55	RMS	39.6	-95.2	-45.9	-49.95	-40	-9.95	V

BPSK 5G NR n48 (40MHZ BANDWIDTH, ANT 8)

Date:	2025-07-04
Test Engineer:	32545
Configuration:	EUT Only
Mode:	FR1 N48 40MHz BPSK
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 3570 MHz									
7.146736	51.33	RMS	35.7	-95.2	-47.2	-55.37	-40	-15.37	H
7.142069	50.43	RMS	35.7	-95.2	-47.19	-56.26	-40	-16.26	V
10.699471	51.45	RMS	37.7	-95.2	-46.8	-52.85	-40	-12.85	H
10.687805	50.97	RMS	37.7	-95.2	-46.8	-53.33	-40	-13.33	V
14.263407	51.74	RMS	39.2	-95.2	-45.94	-50.20	-40	-10.20	H
14.261074	51.62	RMS	39.2	-95.2	-46	-50.38	-40	-10.38	V
Mid Channel, 3620MHz									
7.241469	52.1	RMS	35.7	-95.2	-47.95	-55.35	-40	-15.35	H
7.226069	51.75	RMS	35.7	-95.2	-47.8	-55.55	-40	-15.55	V
10.845072	51.51	RMS	37.8	-95.2	-46.3	-52.19	-40	-12.19	H
10.870272	50.69	RMS	37.8	-95.2	-46.4	-53.11	-40	-13.11	V
14.504674	51.34	RMS	39.4	-95.2	-45.7	-50.16	-40	-10.16	H
14.472474	51.05	RMS	39.3	-95.2	-45.7	-50.55	-40	-10.55	V
High Channel, 3680MHz									
7.337136	52.72	RMS	35.6	-95.2	-47.8	-54.68	-40	-14.68	H
7.358136	52.15	RMS	35.6	-95.2	-47.8	-55.25	-40	-15.25	V
11.025672	50.61	RMS	37.9	-95.2	-46.13	-52.82	-40	-12.82	H
11.051805	51.8	RMS	37.8	-95.2	-46	-51.60	-40	-11.60	V
14.710941	51.92	RMS	39.6	-95.2	-45.9	-49.58	-40	-9.58	H
14.717941	51.96	RMS	39.6	-95.2	-45.8	-49.44	-40	-9.44	V

BPSK 5G NR n48 (40MHZ BANDWIDTH, ANT 4)

Date:	2025-07-04
Test Engineer:	32545
Configuration:	EUT Only
Mode:	FR1 N48 40MHz BPSK
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 3570 MHz									
7.150469	50.98	RMS	35.7	-95.2	-47.15	-55.67	-40	-15.67	H
7.152336	51.09	RMS	35.7	-95.2	-47.2	-55.61	-40	-15.61	V
10.716738	51.46	RMS	37.7	-95.2	-46.77	-52.81	-40	-12.81	H
10.708805	50.79	RMS	37.7	-95.2	-46.72	-53.43	-40	-13.43	V
14.277407	51.93	RMS	39.2	-95.2	-45.84	-49.91	-40	-9.91	H
14.291407	51.86	RMS	39.2	-95.2	-45.8	-49.94	-40	-9.94	V
Mid Channel, 3620MHz									
7.349736	52.45	RMS	35.6	-95.2	-47.7	-54.85	-40	-14.85	H
7.353002	51.49	RMS	35.6	-95.2	-47.7	-55.81	-40	-15.81	V
11.022872	51.31	RMS	37.9	-95.2	-46.2	-52.19	-40	-12.19	H
11.030805	50.48	RMS	37.9	-95.2	-46.02	-52.84	-40	-12.84	V
14.741274	51.94	RMS	39.6	-95.2	-45.7	-49.36	-40	-9.36	H
14.743141	52.39	RMS	39.6	-95.2	-45.71	-48.92	-40	-8.92	V
High Channel, 3680MHz									
7.450536	52.16	RMS	35.7	-95.2	-47.8	-55.14	-40	-15.14	H
7.470136	51.52	RMS	35.7	-95.2	-47.9	-55.88	-40	-15.88	V
11.035938	51.17	RMS	37.8	-95.2	-46.1	-52.33	-40	-12.33	H
11.023338	51.29	RMS	37.9	-95.2	-46.17	-52.18	-40	-12.18	V
14.731941	51.58	RMS	39.6	-95.2	-45.6	-49.62	-40	-9.62	H
14.706274	52.27	RMS	39.6	-95.2	-45.83	-49.16	-40	-9.16	V

BPSK 5G NR n48 (40MHZ BANDWIDTH, ANT 7)

Date:	2025-07-04
Test Engineer:	32545
Configuration:	EUT Only
Mode:	FR1 N48 40MHz BPSK
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 3570 MHz									
7.154669	51.55	RMS	35.7	-95.2	-47.13	-55.08	-40	-15.08	H
7.132269	52.58	RMS	35.7	-95.2	-47.2	-54.12	-40	-14.12	V
10.687805	52.33	RMS	37.7	-95.2	-46.8	-51.97	-40	-11.97	H
10.697138	51.56	RMS	37.7	-95.2	-46.8	-52.74	-40	-12.74	V
14.265274	51.96	RMS	39.2	-95.2	-45.9	-49.94	-40	-9.94	H
14.261541	51.9	RMS	39.2	-95.2	-46	-50.10	-40	-10.10	V
Mid Channel, 3620MHz									
7.241469	51.41	RMS	35.7	-95.2	-47.95	-56.04	-40	-16.04	H
7.234936	52.12	RMS	35.7	-95.2	-47.81	-55.19	-40	-15.19	V
10.864672	50.05	RMS	37.8	-95.2	-46.3	-53.65	-40	-13.65	H
10.851605	50.68	RMS	37.8	-95.2	-46.3	-53.02	-40	-13.02	V
14.489741	51.28	RMS	39.4	-95.2	-45.6	-50.12	-40	-10.12	H
14.489274	50.97	RMS	39.4	-95.2	-45.6	-50.43	-40	-10.43	V
High Channel, 3680MHz									
7.365136	51.76	RMS	35.6	-95.2	-47.8	-55.64	-40	-15.64	H
7.348802	52.42	RMS	35.6	-95.2	-47.7	-54.88	-40	-14.88	V
11.054605	50.98	RMS	37.8	-95.2	-45.9	-52.32	-40	-12.32	H
11.038738	51.55	RMS	37.8	-95.2	-46	-51.85	-40	-11.85	V
14.702541	52.31	RMS	39.6	-95.2	-45.9	-49.19	-40	-9.19	H
14.738474	51.9	RMS	39.6	-95.2	-45.75	-49.45	-40	-9.45	V

10.1.3. LTE ULCA BAND 48C SISO

QPSK LTE ULCA BAND 48C (20MHz + 20MHz BANDWIDTH, ANT 9)

Date:	2025-07-22
Test Engineer:	45258
Configuration:	EUT Only
Mode:	ULCA B48 FCC 20+20MHz QPSK
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 3560MHz + 3579.8MHz									
7.139736	50.92	RMS	35.7	-95.2	-47.20	-55.78	-40	-15.78	H
7.141602	50.02	RMS	35.7	-95.2	-47.20	-56.68	-40	-16.68	V
10.704138	52.16	RMS	37.7	-95.2	-46.80	-52.14	-40	-12.14	H
10.710671	51.20	RMS	37.7	-95.2	-46.80	-53.10	-40	-13.10	V
14.282074	50.47	RMS	39.2	-95.2	-45.99	-51.52	-40	-11.52	H
14.277874	50.77	RMS	39.2	-95.2	-45.89	-51.12	-40	-11.12	V
Mid Channel, 3615.1MHz + 3634.9MHz									
7.247536	51.36	RMS	35.7	-95.2	-47.90	-56.04	-40	-16.04	H
7.251269	51.92	RMS	35.6	-95.2	-47.90	-55.58	-40	-15.58	V
10.874472	49.34	RMS	37.8	-95.2	-46.40	-54.46	-40	-14.46	H
10.875872	49.72	RMS	37.8	-95.2	-46.40	-54.08	-40	-14.08	V
14.503741	51.46	RMS	39.4	-95.2	-45.73	-50.07	-40	-10.07	H
14.497674	51.28	RMS	39.4	-95.2	-45.73	-50.25	-40	-10.25	V
High Channel, 3670.2MHz + 3690MHz									
7.360469	50.93	RMS	35.6	-95.2	-47.80	-56.47	-40	-16.47	H
7.360469	52.10	RMS	35.6	-95.2	-47.80	-55.30	-40	-15.30	V
11.038272	50.00	RMS	37.8	-95.2	-46.00	-53.40	-40	-13.40	H
11.039205	51.05	RMS	37.8	-95.2	-46.00	-52.35	-40	-12.35	V
14.720741	51.11	RMS	39.6	-95.2	-45.73	-50.22	-40	-10.22	H
14.720274	50.21	RMS	39.6	-95.2	-45.77	-51.16	-40	-11.16	V

QPSK LTE ULCA BAND 48C (20MHz + 20MHz BANDWIDTH, ANT 8)

Date:	2025-07-22
Test Engineer:	45258
Configuration:	EUT Only
Mode:	ULCA B48 20+20MHz QPSK
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 3560MHz + 3579.8MHz									
7.110336	50.73	RMS	35.7	-95.2	-47.1	-55.87	-40	-15.87	H
7.108469	51.29	RMS	35.7	-95.2	-47.1	-55.31	-40	-15.31	V
10.709271	51.76	RMS	37.7	-95.2	-46.73	-52.47	-40	-12.47	H
10.710205	51.13	RMS	37.7	-95.2	-46.8	-53.17	-40	-13.17	V
14.280674	50.22	RMS	39.2	-95.2	-45.87	-51.65	-40	-11.65	H
14.279741	50.63	RMS	39.2	-95.2	-45.83	-51.2	-40	-11.20	V
Mid Channel, 3615.1MHz + 3634.9MHz									
7.249402	50.35	RMS	35.7	-95.2	-47.84	-56.99	-40	-16.99	H
7.254536	51.05	RMS	35.6	-95.2	-47.9	-56.45	-40	-16.45	V
10.869805	50.06	RMS	37.8	-95.2	-46.4	-53.74	-40	-13.74	H
10.870272	51.67	RMS	37.8	-95.2	-46.4	-52.13	-40	-12.13	V
14.505141	51.07	RMS	39.4	-95.2	-45.71	-50.44	-40	-10.44	H
14.504208	52.25	RMS	39.4	-95.2	-45.7	-49.25	-40	-9.25	V
High Channel, 3670.2MHz + 3690MHz									
7.360936	50.75	RMS	35.6	-95.2	-47.8	-56.65	-40	-16.65	H
7.361402	51.11	RMS	35.6	-95.2	-47.8	-56.29	-40	-16.29	V
11.037805	51.37	RMS	37.8	-95.2	-46	-52.03	-40	-12.03	H
11.038738	49.97	RMS	37.8	-95.2	-46	-53.43	-40	-13.43	V
14.721208	51.45	RMS	39.6	-95.2	-45.7	-49.85	-40	-9.85	H
14.722141	50.58	RMS	39.6	-95.2	-45.7	-50.72	-40	-10.72	V

QPSK LTE ULCA BAND 48C (20MHz + 20MHz BANDWIDTH, ANT 4)

Date:	2025-07-22
Test Engineer:	45258
Configuration:	EUT Only
Mode:	ULCA B48 FCC 20+20MHz QPSK
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 3560MHz + 3579.8MHz									
7.136936	50.74	RMS	35.7	-95.2	-47.2	-55.96	-40	-15.96	H
7.138336	50.6	RMS	35.7	-95.2	-47.2	-56.10	-40	-16.10	V
10.707871	50.96	RMS	37.7	-95.2	-46.8	-53.34	-40	-13.34	H
10.710205	51.25	RMS	37.7	-95.2	-46.8	-53.05	-40	-13.05	V
14.278807	51.02	RMS	39.2	-95.2	-45.9	-50.88	-40	-10.88	H
14.276941	50.25	RMS	39.2	-95.2	-45.81	-51.56	-40	-11.56	V
Mid Channel, 3615.1MHz + 3634.9MHz									
7.256402	50.32	RMS	35.6	-95.2	-48	-57.28	-40	-17.28	H
7.248936	50.62	RMS	35.7	-95.2	-47.81	-56.69	-40	-16.69	V
10.886138	51.8	RMS	37.8	-95.2	-46.4	-52.00	-40	-12.00	H
10.866538	50.04	RMS	37.8	-95.2	-46.35	-53.71	-40	-13.71	V
14.502341	51.35	RMS	39.4	-95.2	-45.73	-50.18	-40	-10.18	H
14.498608	51.56	RMS	39.4	-95.2	-45.8	-50.04	-40	-10.04	V
High Channel, 3670.2MHz + 3690MHz									
7.360469	52.15	RMS	35.6	-95.2	-47.8	-55.25	-40	-15.25	H
7.357202	51.59	RMS	35.6	-95.2	-47.8	-55.81	-40	-15.81	V
11.041072	50.53	RMS	37.8	-95.2	-46	-52.87	-40	-12.87	H
11.038738	51.5	RMS	37.8	-95.2	-46	-51.90	-40	-11.90	V
14.724008	51.88	RMS	39.6	-95.2	-45.7	-49.42	-40	-9.42	H
14.718874	51.65	RMS	39.6	-95.2	-45.8	-49.75	-40	-9.75	V

QPSK LTE ULCA BAND 48C (20MHz + 20MHz BANDWIDTH, ANT 7)

Date:	2025-07-22
Test Engineer:	45258
Configuration:	EUT Only
Mode:	ULCA B48 FCC 20+20MHz QPSK
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 3560MHz + 3579.8MHz									
7.138802	50.92	RMS	35.7	-95.2	-47.2	-55.78	-40	-15.78	H
7.137402	50.27	RMS	35.7	-95.2	-47.2	-56.43	-40	-16.43	V
10.710671	51.27	RMS	37.7	-95.2	-46.8	-53.03	-40	-13.03	H
10.709271	50.41	RMS	37.7	-95.2	-46.73	-53.82	-40	-13.82	V
14.275541	51.76	RMS	39.2	-95.2	-45.95	-50.19	-40	-10.19	H
14.276007	51.54	RMS	39.2	-95.2	-45.9	-50.36	-40	-10.36	V
Mid Channel, 3615.1MHz + 3634.9MHz									
7.251269	51.11	RMS	35.6	-95.2	-47.9	-56.39	-40	-16.39	H
7.250336	50.97	RMS	35.7	-95.2	-47.9	-56.43	-40	-16.43	V
10.877738	50.39	RMS	37.8	-95.2	-46.4	-53.41	-40	-13.41	H
10.871205	51.12	RMS	37.8	-95.2	-46.4	-52.68	-40	-12.68	V
14.508874	51.53	RMS	39.4	-95.2	-45.71	-49.98	-40	-9.98	H
14.504674	52.56	RMS	39.4	-95.2	-45.7	-48.94	-40	-8.94	V
High Channel, 3670.2MHz + 3690MHz									
7.363269	51.46	RMS	35.6	-95.2	-47.8	-55.94	-40	-15.94	H
7.360002	50.18	RMS	35.6	-95.2	-47.8	-57.22	-40	-17.22	V
11.040138	50.24	RMS	37.8	-95.2	-46	-53.16	-40	-13.16	H
11.040138	50.45	RMS	37.8	-95.2	-46	-52.95	-40	-12.95	V
14.722141	51.99	RMS	39.6	-95.2	-45.7	-49.31	-40	-9.31	H
14.724474	50.85	RMS	39.6	-95.2	-45.65	-50.4	-40	-10.4	V

10.1.4. 5G NR n48 MIMO

QPSK 5G NR n48 (40MHz BANDWIDTH, ANT 9+8)

Date:	2025-07-14
Test Engineer:	45258
Configuration:	EUT Only
Mode:	FR1 MIMO N48 BPSK 40MHz
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 3570 MHz									
7.143002	51.48	RMS	35.7	-95.2	-47.1	-55.12	-40	-15.12	H
7.140202	50.54	RMS	35.7	-95.2	-47.2	-56.16	-40	-16.16	V
10.715805	51.06	RMS	37.7	-95.2	-46.72	-53.16	-40	-13.16	H
10.713005	50.85	RMS	37.7	-95.2	-46.8	-53.45	-40	-13.45	V
14.281607	50.66	RMS	39.2	-95.2	-45.96	-51.3	-40	-11.30	H
14.280207	49.91	RMS	39.2	-95.2	-45.82	-51.91	-40	-11.91	V
Mid Channel, 3620MHz									
7.242402	51.68	RMS	35.7	-95.2	-48.00	-55.82	-40	-15.82	H
7.243802	50.78	RMS	35.7	-95.2	-48.00	-56.72	-40	-16.72	V
10.877738	49.39	RMS	37.8	-95.2	-46.40	-54.41	-40	-14.41	H
10.876805	50.62	RMS	37.8	-95.2	-46.40	-53.18	-40	-13.18	V
14.503741	51.97	RMS	39.4	-95.2	-45.73	-49.56	-40	-9.56	H
14.501408	50.07	RMS	39.4	-95.2	-45.7	-51.43	-40	-11.43	V
High Channel, 3680MHz									
7.360936	51.29	RMS	35.6	-95.2	-47.80	-56.11	-40	-16.11	H
7.359069	50.8	RMS	35.6	-95.2	-47.80	-56.60	-40	-16.60	V
11.041072	50.14	RMS	37.8	-95.2	-46.00	-53.26	-40	-13.26	H
11.039672	51.16	RMS	37.8	-95.2	-46.00	-52.24	-40	-12.24	V
14.724008	51.57	RMS	39.6	-95.2	-45.70	-49.73	-40	-9.73	H
14.722141	50.06	RMS	39.6	-95.2	-45.70	-51.24	-40	-11.24	V

QPSK 5G NR n48 (40MHz BANDWIDTH, ANT 9+4)

Date:	2025-07-14
Test Engineer:	45258
Configuration:	EUT Only
Mode:	FR1 MIMO N48 BPSK 40MHz
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 3570 MHz									
7.140202	50.34	RMS	35.7	-95.2	-47.2	-56.36	-40	-16.36	H
7.140669	50.34	RMS	35.7	-95.2	-47.2	-56.36	-40	-16.36	V
10.712071	51.55	RMS	37.7	-95.2	-46.8	-52.75	-40	-12.75	H
10.710205	50.77	RMS	37.7	-95.2	-46.8	-53.53	-40	-13.53	V
14.284407	51.41	RMS	39.2	-95.2	-45.9	-50.49	-40	-10.49	H
14.280674	50.1	RMS	39.2	-95.2	-45.87	-51.77	-40	-11.77	V
Mid Channel, 3620MHz									
7.249869	50.9	RMS	35.7	-95.2	-47.89	-56.49	-40	-16.49	H
7.252202	51.15	RMS	35.6	-95.2	-47.9	-56.35	-40	-16.35	V
10.875405	50.09	RMS	37.8	-95.2	-46.4	-53.71	-40	-13.71	H
10.876338	50.12	RMS	37.8	-95.2	-46.4	-53.68	-40	-13.68	V
14.504674	51.07	RMS	39.4	-95.2	-45.7	-50.43	-40	-10.43	H
14.500008	51.22	RMS	39.4	-95.2	-45.7	-50.28	-40	-10.28	V
High Channel, 3680MHz									
7.360002	51.06	RMS	35.6	-95.2	-47.8	-56.34	-40	-16.34	H
7.362802	51.64	RMS	35.6	-95.2	-47.8	-55.76	-40	-15.76	V
11.038738	49.71	RMS	37.8	-95.2	-46	-53.69	-40	-13.69	H
11.039672	51.16	RMS	37.8	-95.2	-46	-52.24	-40	-12.24	V
14.727741	50.94	RMS	39.6	-95.2	-45.7	-50.36	-40	-10.36	H
14.727274	51.09	RMS	39.6	-95.2	-45.7	-50.21	-40	-10.21	V

QPSK 5G NR n48 (40MHz BANDWIDTH, ANT 9+7)

Date:	2025-07-15
Test Engineer:	45258
Configuration:	EUT Only
Mode:	FR1 N48 BPSK 40MHz
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 3570 MHz									
7.150002	51.22	RMS	35.7	-95.2	-47.10	-55.38	-40	-15.38	H
7.141602	50.57	RMS	35.7	-95.2	-47.20	-56.13	-40	-16.13	V
10.708805	52.00	RMS	37.7	-95.2	-46.72	-52.22	-40	-12.22	H
10.709738	50.57	RMS	37.7	-95.2	-46.77	-53.70	-40	-13.70	V
14.280207	51.82	RMS	39.2	-95.2	-45.82	-50.00	-40	-10.00	H
14.280207	50.51	RMS	39.2	-95.2	-45.82	-51.31	-40	-11.31	V
Mid Channel, 3620MHz									
7.251736	52.99	RMS	35.6	-95.2	-47.9	-54.51	-40	-14.51	H
7.250336	51.70	RMS	35.7	-95.2	-47.9	-55.7	-40	-15.70	V
10.875405	50.10	RMS	37.8	-95.2	-46.4	-53.7	-40	-13.70	H
10.874938	50.11	RMS	37.8	-95.2	-46.4	-53.69	-40	-13.69	V
14.500941	50.73	RMS	39.4	-95.2	-45.7	-50.77	-40	-10.77	H
14.500941	51.10	RMS	39.4	-95.2	-45.7	-50.4	-40	-10.40	V
High Channel, 3680MHz									
7.364202	51.80	RMS	35.6	-95.2	-47.8	-55.6	-40	-15.60	H
7.360469	50.72	RMS	35.6	-95.2	-47.8	-56.68	-40	-16.68	V
11.042005	50.39	RMS	37.8	-95.2	-46	-53.01	-40	-13.01	H
11.038738	51.27	RMS	37.8	-95.2	-46	-52.13	-40	-12.13	V
14.707674	53.04	RMS	39.6	-95.2	-45.9	-48.46	-40	-8.46	H
14.720741	50.77	RMS	39.6	-95.2	-45.73	-50.56	-40	-10.56	V

QPSK 5G NR n48 (40MHz BANDWIDTH, ANT 4+8)

Date:	2025-07-15
Test Engineer:	45258
Configuration:	EUT Only
Mode:	FR1 MIMO N48 BPSK 40MHz
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 3570MHz									
7.137402	52.16	RMS	35.7	-95.2	-47.2	-54.54	-40	-14.54	H
7.148136	51.22	RMS	35.7	-95.2	-47.2	-55.48	-40	-15.48	V
10.708338	51.23	RMS	37.7	-95.2	-46.77	-53.04	-40	-13.04	H
10.710205	50.79	RMS	37.7	-95.2	-46.8	-53.51	-40	-13.51	V
14.285807	50.44	RMS	39.2	-95.2	-45.9	-51.46	-40	-11.46	H
14.290941	51.10	RMS	39.2	-95.2	-45.81	-50.71	-40	-10.71	V
Mid Channel, 3620MHz									
7.248936	50.65	RMS	35.7	-95.2	-47.81	-56.66	-40	-16.66	H
7.248469	51.19	RMS	35.7	-95.2	-47.85	-56.16	-40	-16.16	V
10.874005	50.04	RMS	37.8	-95.2	-46.4	-53.76	-40	-13.76	H
10.876805	50.70	RMS	37.8	-95.2	-46.4	-53.1	-40	-13.10	V
14.501408	51.23	RMS	39.4	-95.2	-45.7	-50.27	-40	-10.27	H
14.500008	50.67	RMS	39.4	-95.2	-45.7	-50.83	-40	-10.83	V
High Channel, 3680MHz									
7.363736	52.16	RMS	35.6	-95.2	-47.80	-55.24	-40	-15.24	H
7.361869	51.42	RMS	35.6	-95.2	-47.80	-55.98	-40	-15.98	V
11.047605	50.43	RMS	37.8	-95.2	-46.00	-52.97	-40	-12.97	H
11.046672	51.71	RMS	37.8	-95.2	-46.00	-51.69	-40	-11.69	V
14.722608	51.22	RMS	39.6	-95.2	-45.70	-50.08	-40	-10.08	H
14.720741	50.60	RMS	39.6	-95.2	-45.73	-50.73	-40	-10.73	V

QPSK 5G NR n48 (40MHz BANDWIDTH, ANT 4+7)

Date:	2025-05-19
Test Engineer:	111411
Configuration:	EUT Only
Mode:	FR1 MIMO N48 FCC BPSK 40MHz
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 3570MHz									
7.249869	51.17	RMS	35.7	-95.2	-47.89	-56.22	-40	-16.22	H
7.249402	51.28	RMS	35.7	-95.2	-47.84	-56.06	-40	-16.06	V
10.874005	49.58	RMS	37.8	-95.2	-46.40	-54.22	-40	-14.22	H
10.873072	50.2	RMS	37.8	-95.2	-46.49	-53.69	-40	-13.69	V
14.500008	51.85	RMS	39.4	-95.2	-45.70	-49.65	-40	-9.65	H
14.501874	51.53	RMS	39.4	-95.2	-45.70	-49.97	-40	-9.97	V
Mid Channel, 3620MHz									
7.144402	50.19	RMS	35.7	-95.2	-47.20	-56.51	-40	-16.51	H
7.141602	51.35	RMS	35.7	-95.2	-47.20	-55.35	-40	-15.35	V
10.709271	50.75	RMS	37.7	-95.2	-46.73	-53.48	-40	-13.48	H
10.711138	51.44	RMS	37.7	-95.2	-46.80	-52.86	-40	-12.86	V
14.279274	51.47	RMS	39.2	-95.2	-45.87	-50.4	-40	-10.40	H
14.279741	50.69	RMS	39.2	-95.2	-45.83	-51.14	-40	-11.14	V
High Channel, 3680MHz									
7.357669	51.86	RMS	35.6	-95.2	-47.80	-55.54	-40	-15.54	H
7.360469	51.64	RMS	35.6	-95.2	-47.80	-55.76	-40	-15.76	V
11.041072	50.42	RMS	37.8	-95.2	-46.00	-52.98	-40	-12.98	H
11.043405	50.24	RMS	37.8	-95.2	-46.06	-53.22	-40	-13.22	V
7.357669	51.86	RMS	35.6	-95.2	-47.80	-55.54	-40	-15.54	H
7.360469	51.64	RMS	35.6	-95.2	-47.80	-55.76	-40	-15.76	V

QPSK 5G NR n48 (40MHz BANDWIDTH, ANT 7+8)

Date:	2025-07-16
Test Engineer:	45258
Configuration:	EUT Only
Mode:	FR1 MIMO N48 FCC BPSK 40MHz
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 3570MHz									
7.142069	52.42	RMS	35.7	-95.2	-47.19	-54.27	-40	-14.27	H
7.140202	50.37	RMS	35.7	-95.2	-47.2	-56.33	-40	-16.33	V
10.713938	50.4	RMS	37.7	-95.2	-46.8	-53.9	-40	-13.90	H
10.716271	51.38	RMS	37.7	-95.2	-46.73	-52.85	-40	-12.85	V
14.293741	50.93	RMS	39.2	-95.2	-45.73	-50.8	-40	-10.80	H
14.285341	50.83	RMS	39.2	-95.2	-45.9	-51.07	-40	-11.07	V
Mid Channel, 3620MHz									
7.250802	51.63	RMS	35.6	-95.2	-47.9	-55.87	-40	-15.87	H
7.250802	51.55	RMS	35.6	-95.2	-47.9	-55.95	-40	-15.95	V
10.873072	50.37	RMS	37.8	-95.2	-46.49	-53.52	-40	-13.52	H
10.874472	50.71	RMS	37.8	-95.2	-46.4	-53.09	-40	-13.09	V
14.500941	50.72	RMS	39.4	-95.2	-45.7	-50.78	-40	-10.78	H
14.500474	51.62	RMS	39.4	-95.2	-45.7	-49.88	-40	-9.88	V
High Channel, 3680MHz									
7.362802	51	RMS	35.6	-95.2	-47.8	-56.4	-40	-16.40	H
7.362802	50.97	RMS	35.6	-95.2	-47.8	-56.43	-40	-16.43	V
11.033138	50.6	RMS	37.8	-95.2	-46.1	-52.9	-40	-12.90	H
11.033605	51.8	RMS	37.8	-95.2	-46.1	-51.7	-40	-11.70	V
14.722141	51.56	RMS	39.6	-95.2	-45.7	-49.74	-40	-9.74	H
14.722608	51.08	RMS	39.6	-95.2	-45.7	-50.22	-40	-10.22	V

11. SETUP PHOTOS

Refer to 15496249-EP1 for setup photos.

END OF REPORT