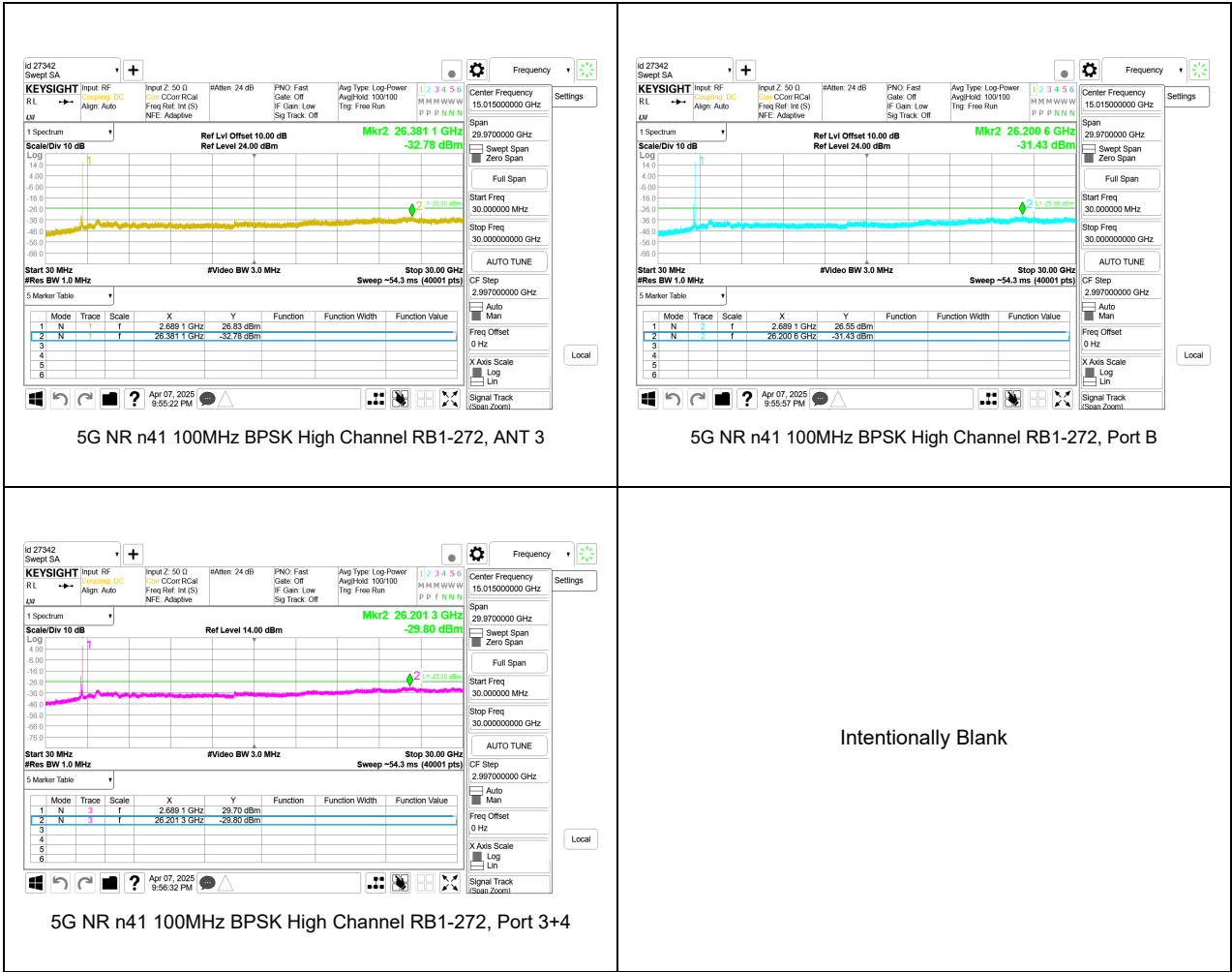
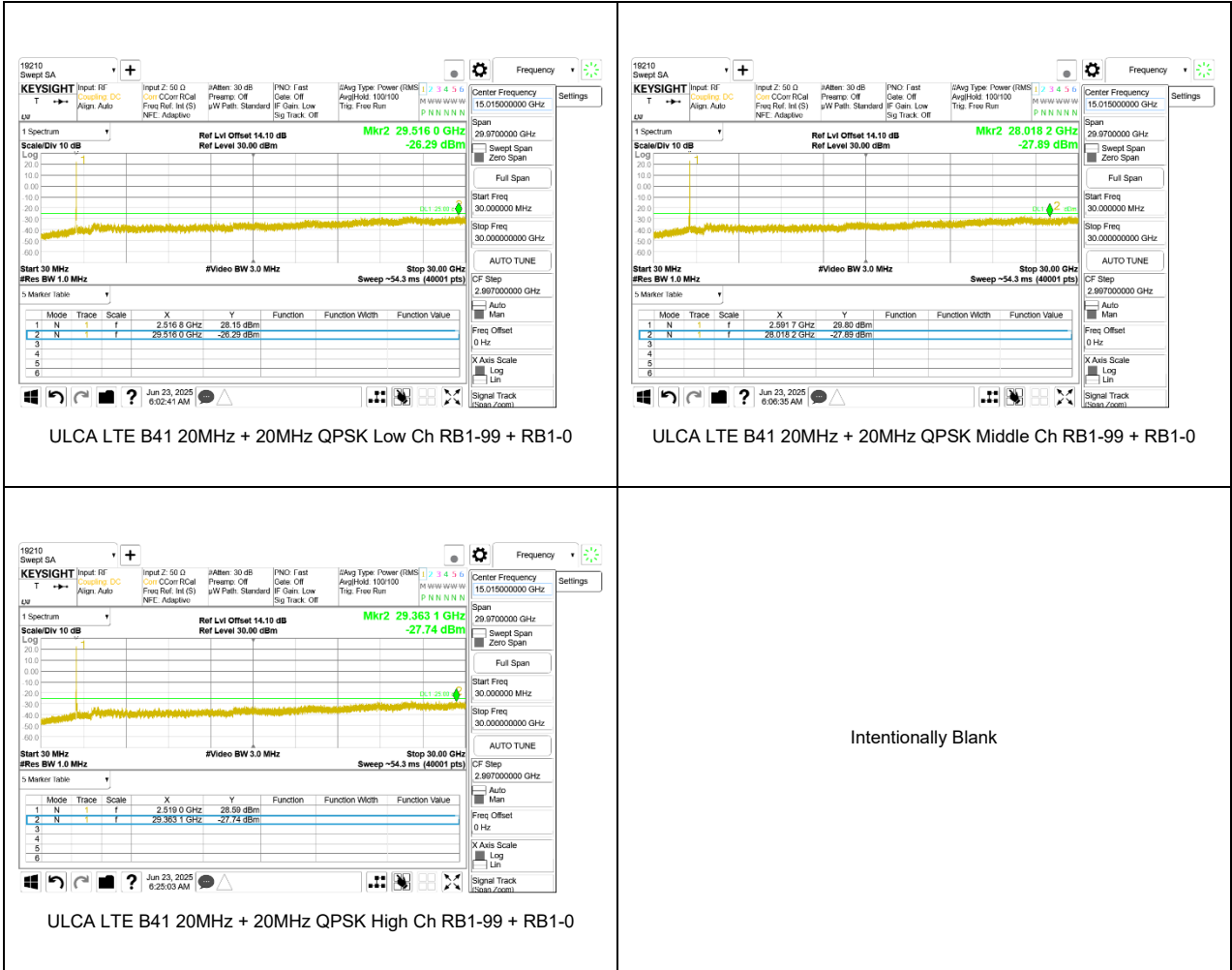
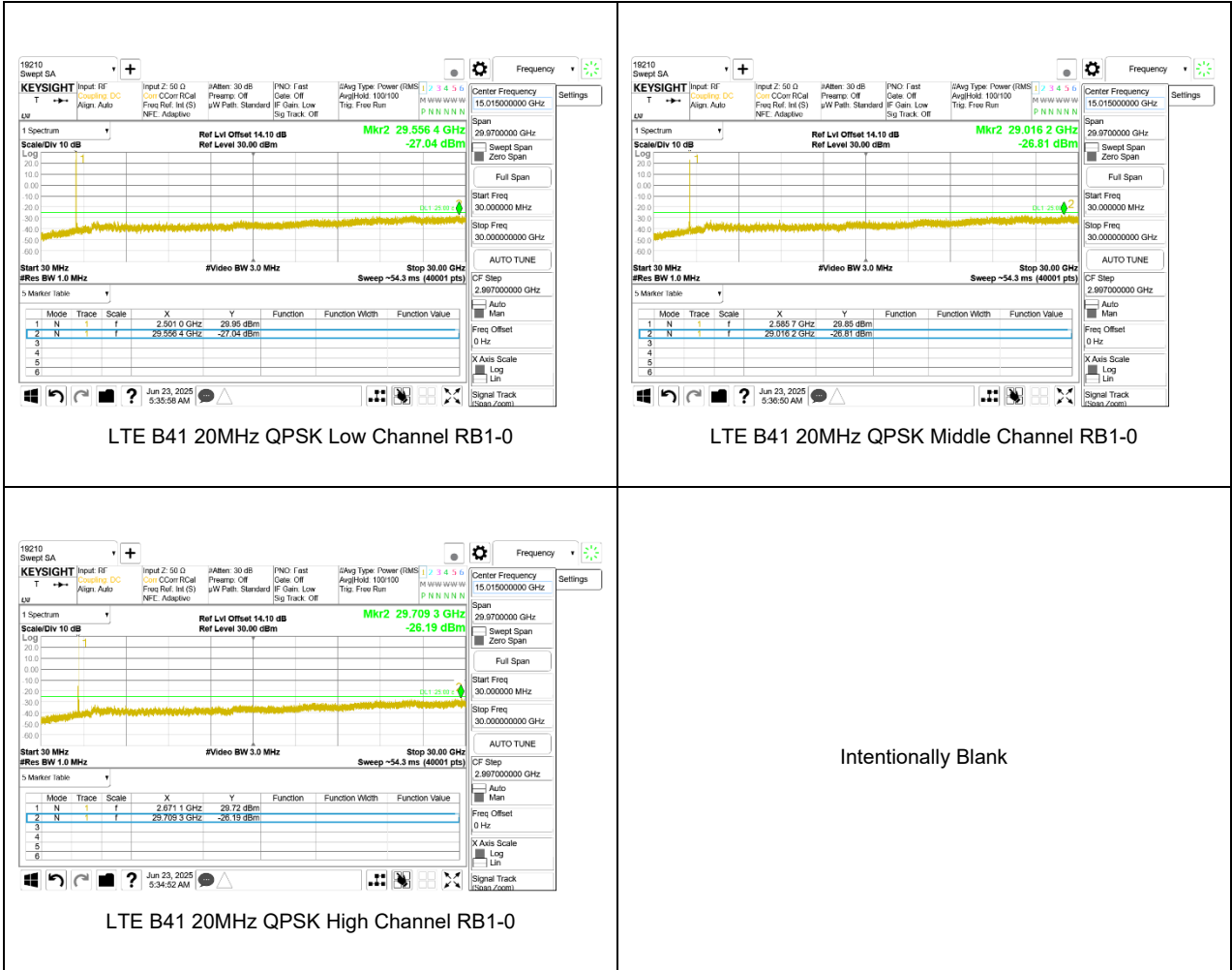




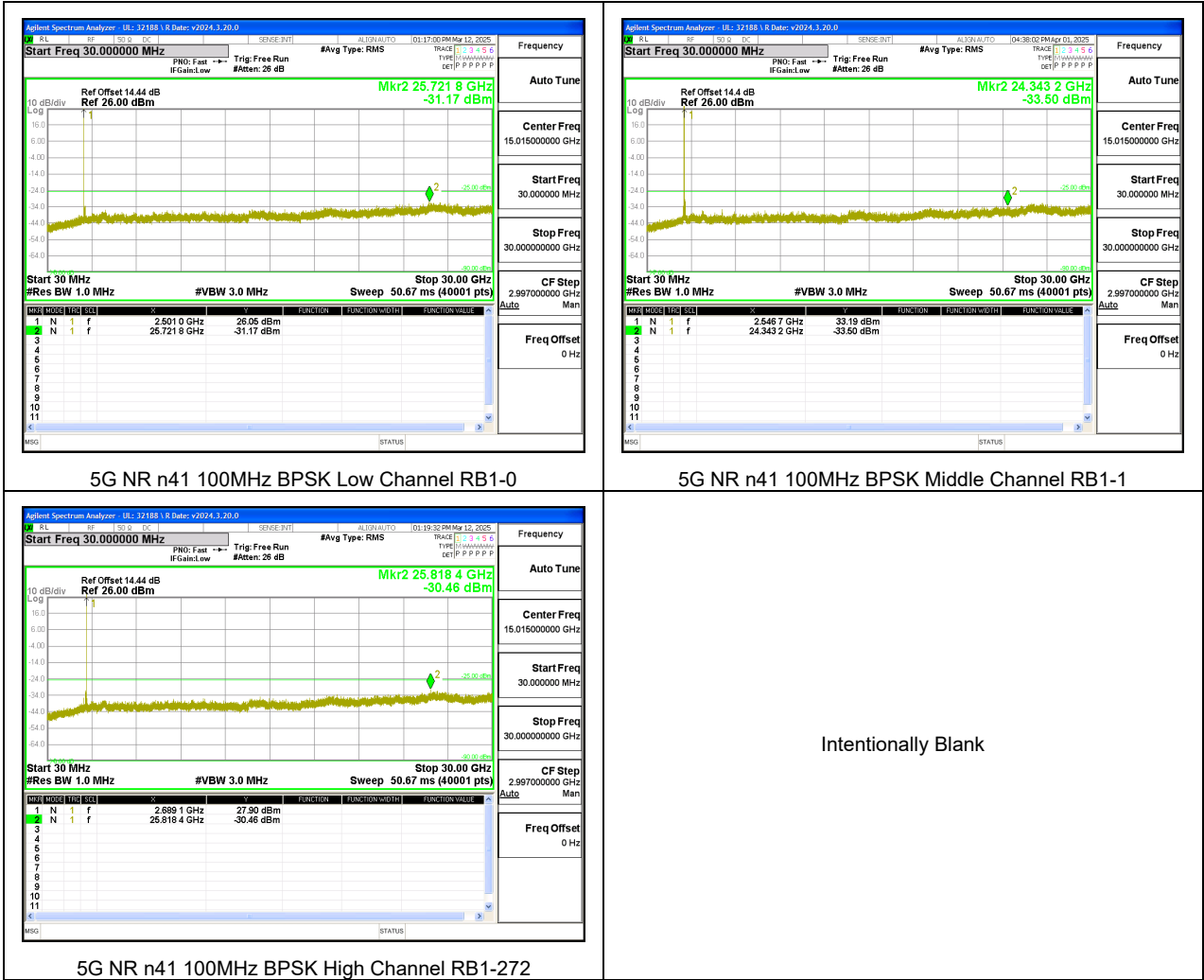
9.3.7. ULCA LTE BAND 41 (FCC)



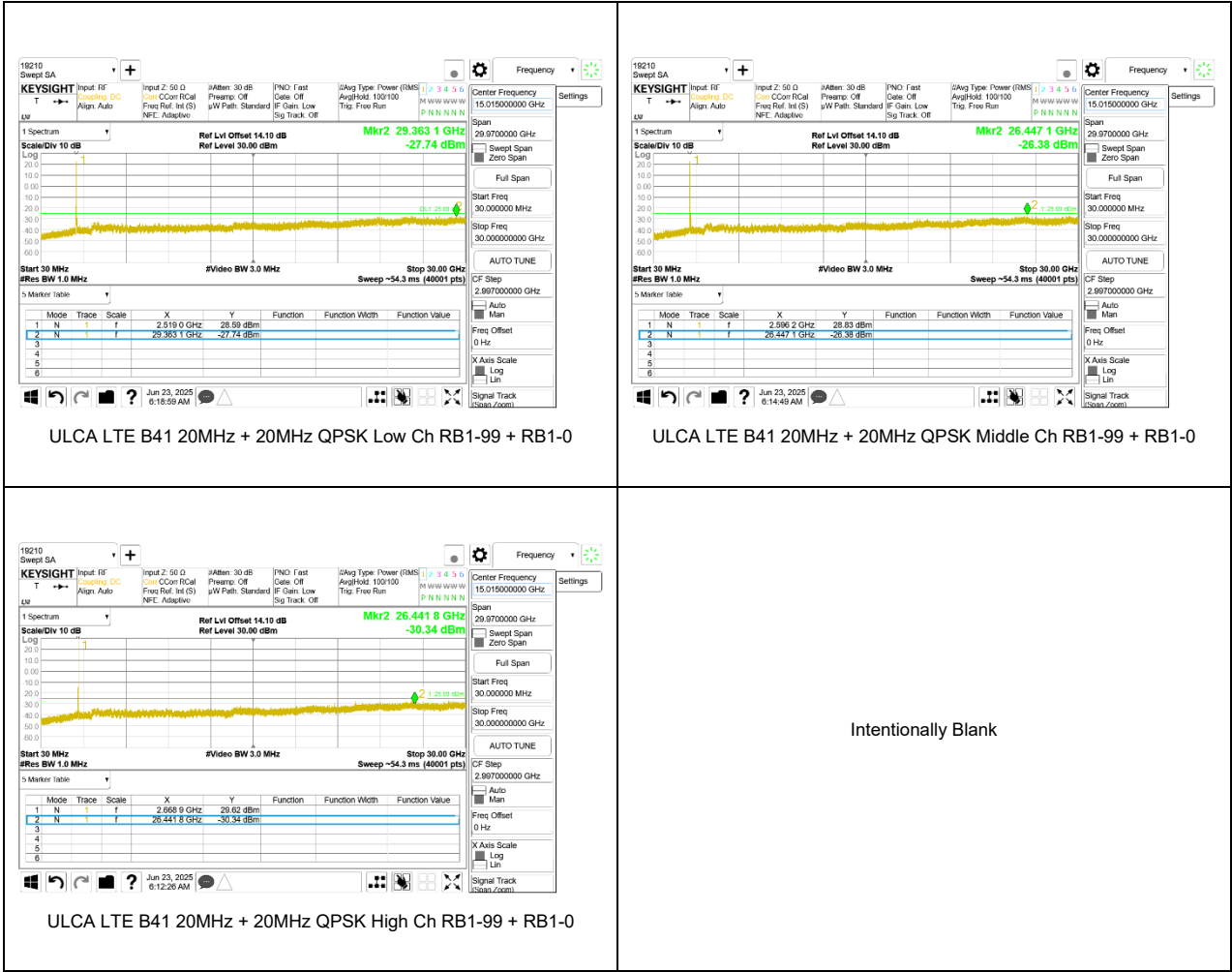
9.3.8. LTE BAND 41 (IC)



9.3.9. 5G NR n41 (IC)



9.3.10. ULCA LTE BAND 41 (IC)



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: RSS199§5.4
Frequency Stability

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

9.4.1. LTE BAND 7 (QPSK 20MHz BANDWIDTH)

Test Engineer ID:	27700	Test Date:	2025-04-04
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Band	7	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		2500	2570		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)			
Temperature	Voltage					
Normal (20°C)	Normal	2501.0178	2568.9797			
Extreme (50°C)		2501.0178	2568.9797	-0.8	0.000	Yes
Extreme (40°C)		2501.0178	2568.9797	-3.5	-0.001	Yes
Extreme (30°C)		2501.0178	2568.9797	1.6	0.001	Yes
Extreme (10°C)		2501.0178	2568.9797	-2.3	-0.001	Yes
Extreme (0°C)		2501.0178	2568.9797	2.6	0.001	Yes
Extreme (-10°C)		2501.0178	2568.9797	-1.1	0.000	Yes
Extreme (-20°C)		2501.0178	2568.9797	0.4	0.000	Yes
Extreme (-30°C)		2501.0178	2568.9797	-3.5	-0.001	Yes
20°C	15%	2501.0178	2568.9797	-0.3	0.000	Yes
	-15%	2501.0178	2568.9797	2.3	0.001	Yes
	End Point Voltage	2501.0178	2568.9797	1.1	0.000	Yes

9.4.2. 5G NR n7 (BPSK 50MHz BANDWIDTH)

Test Engineer ID:	27700	Test Date:	2025-03-31
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Band	7	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		2500	2570		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)			
Temperature	Voltage					
Normal (20°C)	Normal	2500.5200	2569.4625			
Extreme (50°C)		2500.5200	2569.4625	-2.44	-0.001	Yes
Extreme (40°C)		2500.5200	2569.4625	-6.96	-0.003	Yes
Extreme (30°C)		2500.5200	2569.4625	4.63	0.002	Yes
Extreme (10°C)		2500.5200	2569.4625	3.57	0.001	Yes
Extreme (0°C)		2500.5200	2569.4625	-8.26	-0.003	Yes
Extreme (-10°C)		2500.5200	2569.4625	-0.74	0.000	Yes
Extreme (-20°C)		2500.5200	2569.4625	-1.72	-0.001	Yes
Extreme (-30°C)		2500.5200	2569.4625	-2.83	-0.001	Yes
20°C	15%	2500.5200	2569.4625	-3.88	-0.002	Yes
	-15%	2500.5200	2569.4625	-5.94	-0.002	Yes
	End Point Voltage	2500.5200	2569.4625	-4.14	-0.002	Yes

9.4.3. ULCA LTE BAND 7 (QPSK 20MHz + 20MHz BANDWIDTH)

Test Engineer ID:	27700	Test Date:	2025-04-09
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Band	7	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		2500	2570		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)			
Temperature	Voltage					
Normal (20°C)	Normal	2501.1314	2568.8725			
Extreme (50°C)		2501.1314	2568.8725	86.1	0.034	Yes
Extreme (40°C)		2501.1314	2568.8725	80.4	0.032	Yes
Extreme (30°C)		2501.1314	2568.8725	75.3	0.030	Yes
Extreme (10°C)		2501.1314	2568.8725	-7.8	-0.003	Yes
Extreme (0°C)		2501.1314	2568.8725	-28.6	-0.011	Yes
Extreme (-10°C)		2501.1314	2568.8725	-30.6	-0.012	Yes
Extreme (-20°C)		2501.1314	2568.8725	-52.8	-0.021	Yes
Extreme (-30°C)		2501.1314	2568.8725	-48.1	-0.019	Yes
20°C	15%	2501.1314	2568.8725	42.0	0.017	Yes
	-15%	2501.1314	2568.8725	44.1	0.017	Yes
	End Point Voltage	2501.1314	2568.8725	42.1	0.017	Yes

9.4.4. LTE B41 (QPSK 20MHz BANDWIDTH, FCC)

Test Engineer ID:	27700	Test Date:	2025-04-04
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Band	41	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		2496	2690		0	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	
Temperature	Voltage					
Normal (20°C)	Normal	2496.6326	2688.9683			
Extreme (50°C)		2496.6326	2688.9683	-0.8	0.000	Yes
Extreme (40°C)		2496.6326	2688.9683	-2.2	-0.001	Yes
Extreme (30°C)		2496.6326	2688.9683	-4.0	-0.002	Yes
Extreme (10°C)		2496.6326	2688.9683	-1.3	-0.001	Yes
Extreme (0°C)		2496.6326	2688.9683	-5.4	-0.002	Yes
Extreme (-10°C)		2496.6326	2688.9683	-1.7	-0.001	Yes
Extreme (-20°C)		2496.6326	2688.9683	-0.7	0.000	Yes
Extreme (-30°C)		2496.6326	2688.9683	-1.6	-0.001	Yes
20°C	15%	2496.6326	2688.9683	-3.4	-0.001	Yes
	-15%	2496.6326	2688.9683	-0.5	0.000	Yes
	End Point Voltage	2496.6326	2688.9683	-1.2	0.000	Yes

9.4.5. 5G NR n41 (BPSK 100MHz BANDWIDTH, FCC)

Test Engineer ID:	27700	Test Date:	2025-03-31
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Band	41	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		2496	2690		0	
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	2495.9650	2699.1950			
Extreme (50°C)		2495.9650	2699.1950	-7.91	-0.003	Yes
Extreme (40°C)		2495.9650	2699.1950	-6.64	-0.003	Yes
Extreme (30°C)		2495.9650	2699.1950	-22.78	-0.009	Yes
Extreme (10°C)		2495.9650	2699.1950	-14.11	-0.005	Yes
Extreme (0°C)		2495.9650	2699.1950	-2.42	-0.001	Yes
Extreme (-10°C)		2495.9650	2699.1950	-7.02	-0.003	Yes
Extreme (-20°C)		2495.9650	2699.1950	-12.43	-0.005	Yes
Extreme (-30°C)		2495.9650	2699.1950	-1.51	-0.001	Yes
20°C	15%	2495.9650	2699.1950	-13.03	-0.005	Yes
	-15%	2495.9650	2699.1950	-1.18	0.000	Yes
	End Point Voltage	2495.9650	2699.1950	-14.51	-0.006	Yes

9.4.6. ULCA LTE BAND 41 (QPSK 20MHz + 20MHz BANDWIDTH, FCC)

Test Engineer ID:	27700	Test Date:	2025-04-09
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Band	41	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		2496	2690		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)			
Temperature	Voltage					
Normal (20°C)	Normal	2496.8670	2689.0276			
Extreme (50°C)		2496.8670	2689.0276	85.2	0.033	Yes
Extreme (40°C)		2496.8670	2689.0276	72.8	0.028	Yes
Extreme (30°C)		2496.8670	2689.0276	72.6	0.028	Yes
Extreme (10°C)		2496.8670	2689.0276	-5.4	-0.002	Yes
Extreme (0°C)		2496.8670	2689.0276	-27.0	-0.010	Yes
Extreme (-10°C)		2496.8670	2689.0276	-36.9	-0.014	Yes
Extreme (-20°C)		2496.8670	2689.0276	-47.9	-0.018	Yes
Extreme (-30°C)		2496.8670	2689.0276	-50.3	-0.019	Yes
20°C	15%	2496.8670	2689.0276	41.7	0.016	Yes
	-15%	2496.8670	2689.0276	42.9	0.017	Yes
	End Point Voltage	2496.8670	2689.0276	44.1	0.017	Yes

9.4.7. LTE B41 (QPSK 20MHz BANDWIDTH, IC)

Test Engineer ID:	27700	Test Date:	2025-04-04
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Band	41	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		2500	2690		0	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	
Temperature	Voltage					
Normal (20°C)	Normal	2501.0569	2688.9683			
Extreme (50°C)		2501.0569	2688.9683	-2.3	-0.001	Yes
Extreme (40°C)		2501.0569	2688.9683	-1.4	-0.001	Yes
Extreme (30°C)		2501.0569	2688.9683	-3.0	-0.001	Yes
Extreme (10°C)		2501.0569	2688.9683	-2.7	-0.001	Yes
Extreme (0°C)		2501.0569	2688.9683	-7.7	-0.003	Yes
Extreme (-10°C)		2501.0569	2688.9683	-0.7	0.000	Yes
Extreme (-20°C)		2501.0569	2688.9683	-1.0	0.000	Yes
Extreme (-30°C)		2501.0569	2688.9683	-2.0	-0.001	Yes
20°C	15%	2501.0569	2688.9683	-2.8	-0.001	Yes
	-15%	2501.0569	2688.9683	-3.3	-0.001	Yes
	End Point Voltage	2501.0569	2688.9683	-1.2	0.000	Yes

5G NR n41 (BPSK 100MHz BANDWIDTH, IC)

Test Engineer ID:	27700	Test Date:	2025-03-31
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Band	41	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		2500	2690		0	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	
Temperature	Voltage					
Normal (20°C)	Normal	2499.9350	2689.2000			
Extreme (50°C)		2499.9350	2689.2000	-12.54	-0.005	Yes
Extreme (40°C)		2499.9350	2689.2000	-13.59	-0.005	Yes
Extreme (30°C)		2499.9350	2689.2000	-2.76	-0.001	Yes
Extreme (10°C)		2499.9350	2689.2000	-9.51	-0.004	Yes
Extreme (0°C)		2499.9350	2689.2000	-9.68	-0.004	Yes
Extreme (-10°C)		2499.9350	2689.2000	-12.39	-0.005	Yes
Extreme (-20°C)		2499.9350	2689.2000	-0.5	0.000	Yes
Extreme (-30°C)		2499.9350	2689.2000	-5.11	-0.002	Yes
20°C	15%	2499.9350	2689.2000	-10.39	-0.004	Yes
	-15%	2499.9350	2689.2000	-9.44	-0.004	Yes
	End Point Voltage	2499.9350	2689.2000	-7.24	-0.003	Yes

9.4.8. ULCA LTE BAND 41 (QPSK 20MHz + 20MHz BANDWIDTH, IC)

Test Engineer ID:	27700	Test Date:	2025-04-09
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Band	41	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		2500	2690			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	2500.4313	2689.0276			
Extreme (50°C)		2500.4314	2689.0277	81.9	0.032	Yes
Extreme (40°C)		2500.4314	2689.0277	78.0	0.030	Yes
Extreme (30°C)		2500.4314	2689.0277	70.8	0.027	Yes
Extreme (10°C)		2500.4313	2689.0276	-6.9	-0.003	Yes
Extreme (0°C)		2500.4313	2689.0276	-31.0	-0.012	Yes
Extreme (-10°C)		2500.4313	2689.0276	-34.5	-0.013	Yes
Extreme (-20°C)		2500.4313	2689.0276	-47.8	-0.018	Yes
Extreme (-30°C)		2500.4313	2689.0276	-48.4	-0.019	Yes
20°C	15%	2500.4314	2689.0277	50.8	0.020	Yes
	-15%	2500.4313	2689.0276	39.9	0.015	Yes
	End Point Voltage	2500.4313	2689.0276	43.0	0.017	Yes

9.5. PEAK-TO-AVERAGE POWER RATIO

LIMIT

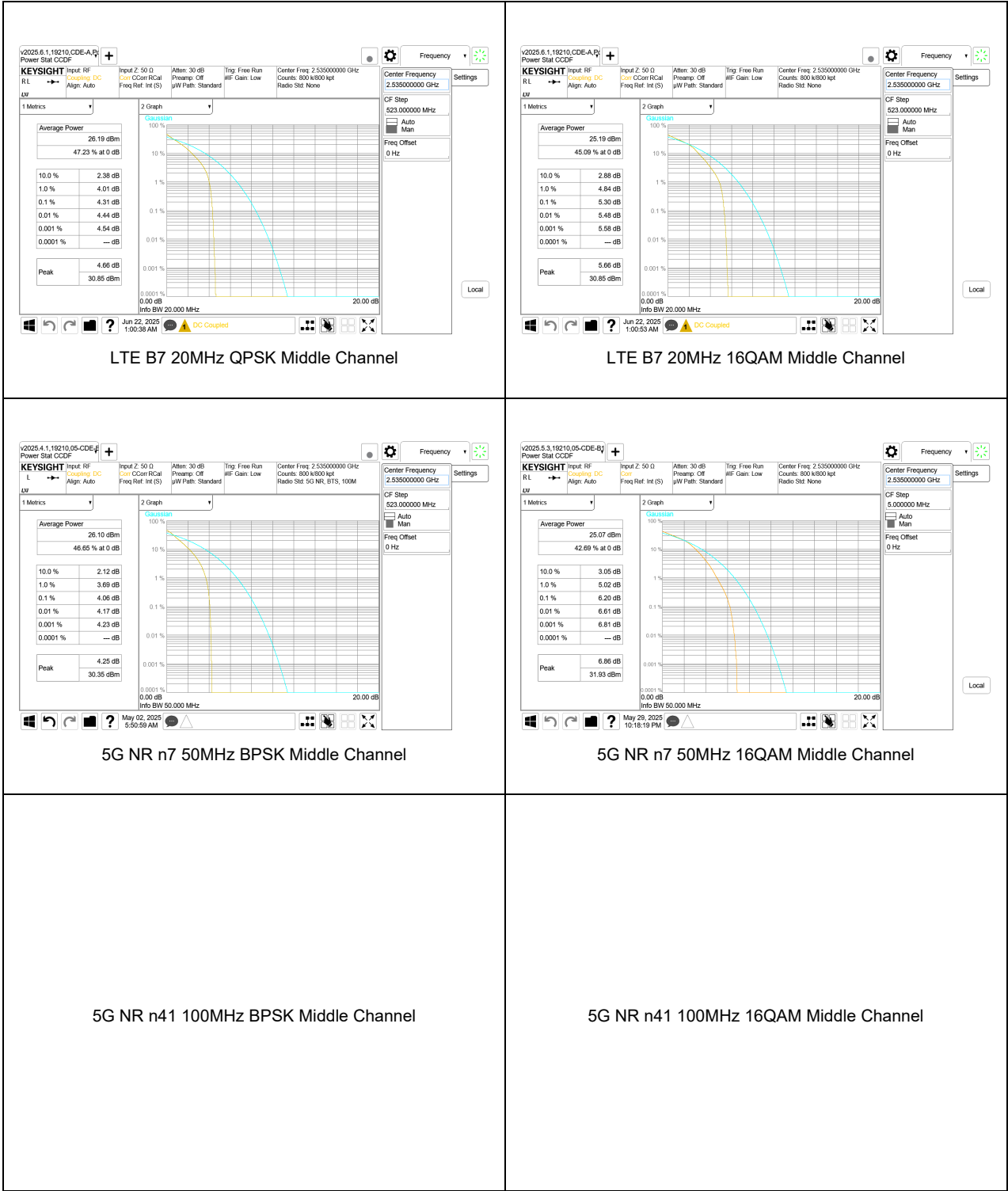
ISED: RSS199§5.5

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

The worst-case antenna port for conducted power shown in section 6.5. was used to measure as the worst case; full resource block (FRB) for each bandwidth was used to measure as the worst case. The results from all CCDF measurements are passed with 13dB peak-to-average power ratio criteria.

Example Plots: FULL RB



9.5.1. LTE BAND 7

Test Engineer ID:	19210	Test Date:	2025-06-21
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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 7	5MHz	2535.0	25	0	QPSK	30.72	26.10	4.62
					16QAM	30.82	25.12	5.70
	10MHz		50	0	QPSK	30.81	26.14	4.67
					16QAM	30.82	25.14	5.68
	15MHz		75	0	QPSK	30.87	26.13	4.74
					16QAM	30.78	25.16	5.62
	20MHz		100	0	QPSK	30.85	26.19	4.66
					16QAM	30.85	25.19	5.66
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 n7

Test Engineer ID:	19210	Test Date:	2025-05-29
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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 n7	5MHz	2535.0	25	0	BPSK	30.75	26.50	4.25
					16QAM	31.53	24.81	6.72
	10MHz		50	0	BPSK	30.74	26.40	4.34
					16QAM	31.49	24.79	6.70
	15MHz		75	0	BPSK	30.69	26.48	4.21
					16QAM	31.69	24.83	6.86
	20MHz		100	0	BPSK	30.98	26.49	4.49
					16QAM	31.77	24.82	6.95
	25MHz		128	0	BPSK	31.32	26.48	4.84
					16QAM	32.08	24.85	7.23
	30MHz		160	0	BPSK	30.60	26.02	4.58
					16QAM	31.54	24.45	7.09
	35MHz		180	0	BPSK	30.64	26.01	4.63
					16QAM	31.52	24.45	7.07
	40MHz		216	0	BPSK	30.57	26.03	4.54
					16QAM	31.29	24.41	6.88
	50MHz		270	0	BPSK	30.35	26.10	4.25
					16QAM	31.93	25.07	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. ULCA LTE BAND 7

Test Engineer ID:	19210	Test Date:	2025-05-27
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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	
ULCA LTE Band 7	10MHz / 20MHz	2525.6	2540.0	QPSK	31.72	25.71	6.01
				16QAM	31.76	24.72	7.04
	20MHz / 10MHz	2530.1	2544.5	QPSK	31.70	25.70	6.00
				16QAM	31.82	24.76	7.06
	15 MHz / 15MHz	2527.5	2542.5	QPSK	31.77	25.82	5.95
				16QAM	31.75	24.72	7.03
	15MHz / 20MHz	2525.3	2542.4	QPSK	32.00	25.84	6.16
				16QAM	31.92	24.72	7.20
	20MHz / 15MHz	2527.6	2544.7	QPSK	31.88	25.81	6.07
				16QAM	31.90	24.71	7.19
20MHz / 20MHz	2525.1	2544.9	QPSK	31.75	25.72	6.03	
			16QAM	32.02	24.73	7.29	
Duty Cycle Correction Factor (dB) =			0.00				
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor							

9.5.4. LTE BAND 41 (FCC)

Test Engineer ID:	28567	Test Date:	2025-07-09
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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 41	5MHz	2593.0	25	0	QPSK	34.62	22.04	5.59
					16QAM	36.48	21.37	8.12
	10MHz		50	0	QPSK	34.09	21.86	5.24
					16QAM	36.55	21.58	7.98
	15MHz		75	0	QPSK	34.61	21.87	5.75
					16QAM	36.38	21.44	7.95
	20MHz		100	0	QPSK	35.27	22.51	5.77
					16QAM	36.11	21.52	7.60
Duty Cycle Correction Factor (dB) =			6.99					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

9.5.5. 5G NR n41 (FCC)

Test Engineer ID:	19210	Test Date:	2025-06-20
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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 n41	10MHz	2593.0	24	0	BPSK	33.40	29.05	4.35
					16QAM	34.24	27.55	6.69
	15MHz		36	0	BPSK	34.48	29.86	4.62
					16QAM	34.44	27.57	6.87
	20MHz		50	0	BPSK	34.36	29.90	4.46
					16QAM	33.75	26.99	6.76
	25MHz		64	0	BPSK	34.48	29.83	4.65
					16QAM	34.68	27.77	6.91
	30MHz		75	0	BPSK	34.17	29.61	4.56
					16QAM	34.31	27.35	6.96
	35MHz		90	0	BPSK	33.14	28.76	4.38
					16QAM	34.87	27.60	7.27
	40MHz		100	0	BPSK	33.70	29.38	4.32
					16QAM	34.02	27.27	6.75
	45MHz		108	0	BPSK	33.55	28.87	4.68
					16QAM	34.38	27.40	6.98
	50MHz		128	0	BPSK	33.77	29.31	4.46
					16QAM	34.04	27.27	6.77
	60MHz		162	0	BPSK	34.13	29.40	4.73
					16QAM	34.48	27.52	6.96
	70MHz		180	0	BPSK	34.41	29.84	4.57
					16QAM	34.67	27.67	7.00
	80MHz		216	0	BPSK	34.42	29.84	4.58
					16QAM	34.80	27.74	7.06
	90MHz		243	0	BPSK	33.89	29.18	4.71
					16QAM	34.14	27.28	6.86
	100MHz		270	0	BPSK	33.89	29.29	4.60
					16QAM	34.36	27.30	7.06
Duty Cycle Correction Factor (dB) =			0.00					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

9.5.6. ULCA LTE BAND 41 (FCC)

Test Engineer ID:	28567	Test Date:	2025-07-09
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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	
ULCA LTE Band 41 (FCC)	5MHz / 20MHz	2583.8	2595.5	QPSK	34.12	22.06	5.07
				16QAM	36.25	19.95	9.31
	20MHz / 5MHz	2590.5	2602.2	QPSK	35.88	22.88	6.01
				16QAM	35.93	19.88	9.06
	10MHz / 20MHz	2583.6	2598.0	QPSK	33.78	22.02	4.77
				16QAM	35.25	19.19	9.07
	20MHz / 10MHz	2588.1	2602.5	QPSK	33.76	22.46	4.31
				16QAM	35.74	21.26	7.49
	15MHz / 15MHz	2585.5	2600.5	QPSK	33.72	22.42	4.31
				16QAM	35.22	20.42	7.81
	15MHz / 20MHz	2583.3	2600.4	QPSK	34.14	22.31	4.84
				16QAM	36.75	19.52	10.24
	20MHz / 15MHz	2585.6	2602.7	QPSK	34.33	21.77	5.57
				16QAM	38.76	22.63	9.14
	20MHz / 20MHz	2583.1	2602.9	QPSK	34.33	22.13	5.21
				16QAM	38.07	21.09	9.99
Duty Cycle Correction Factor (dB) =			6.99				
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor							

9.5.7. LTE BAND 41 (IC)

Test Engineer ID:	28567	Test Date:	2025-07-09
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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 41 (IC)	5MHz	2595.0	25	0	QPSK	34.35	21.54	5.82
					16QAM	34.71	21.49	6.23
	10MHz		50	0	QPSK	34.68	22.15	5.54
					16QAM	33.91	20.91	6.01
	15MHz		75	0	QPSK	34.54	21.83	5.72
					16QAM	34.78	20.72	7.07
	20MHz		100	0	QPSK	34.43	21.62	5.82
					16QAM	34.05	19.79	7.27
Duty Cycle Correction Factor (dB) =			6.99					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

9.5.8. 5G NR n41 (IC)

Test Engineer ID:	19210	Test Date:	2025-05-07
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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 n41	10MHz	2595.0	24	0	BPSK	33.74	29.43	4.31
					16QAM	33.69	27.08	6.61
	15MHz		36	0	BPSK	34.09	29.68	4.41
					16QAM	35.51	28.77	6.74
	20MHz		50	0	BPSK	33.67	29.08	4.59
					16QAM	33.70	26.97	6.73
	25MHz		64	0	BPSK	33.91	29.13	4.78
					16QAM	34.04	27.00	7.04
	30MHz		75	0	BPSK	34.24	29.62	4.62
					16QAM	34.44	27.50	6.94
	35MHz		90	0	BPSK	33.84	29.43	4.41
					16QAM	34.00	27.32	6.68
	40MHz		100	0	BPSK	33.88	29.48	4.40
					16QAM	34.04	27.33	6.71
	45MHz		108	0	BPSK	34.28	29.59	4.69
					16QAM	34.28	27.44	6.84
	50MHz		128	0	BPSK	34.31	29.69	4.62
					16QAM	34.53	27.56	6.97
	60MHz		162	0	BPSK	34.48	29.60	4.88
					16QAM	34.80	27.89	6.91
	70MHz		180	0	BPSK	34.54	29.86	4.68
					16QAM	35.28	28.02	7.26
	80MHz		216	0	BPSK	34.51	29.72	4.79
					16QAM	35.21	28.17	7.04
	90MHz		243	0	BPSK	33.67	29.18	4.49
					16QAM	34.07	27.21	6.86
	100MHz		270	0	BPSK	33.82	29.25	4.57
					16QAM	34.42	27.18	7.24
Duty Cycle Correction Factor (dB) =			0.00					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

9.5.9. ULCA LTE BAND 41 (IC)

Test Engineer ID:	28567	Test Date:	2025-07-31
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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	
ULCA LTE Band 41 (IC)	5MHz / 20MHz	2585.8	2597.5	QPSK	36.73	22.54	7.20
				16QAM	34.68	20.06	7.63
	20MHz / 5MHz	2592.5	2604.2	QPSK	36.00	22.04	6.97
				16QAM	34.69	20.17	7.53
	10MHz / 20MHz	2585.6	2600.0	QPSK	39.01	23.20	8.82
				16QAM	34.73	18.33	9.41
	20MHz / 10MHz	2590.1	2604.5	QPSK	36.66	23.12	6.55
				16QAM	34.05	18.16	8.90
	15MHz / 15MHz	2587.5	2602.5	QPSK	36.30	22.85	6.46
				16QAM	33.73	20.12	6.62
	15MHz / 20MHz	2585.3	2602.4	QPSK	37.32	22.58	7.75
				16QAM	34.41	19.61	7.81
	20MHz / 15MHz	2587.6	2604.7	QPSK	36.35	22.23	7.13
				16QAM	34.41	19.61	7.81
	20MHz / 20MHz	2585.1	2604.9	QPSK	34.22	20.42	6.81
				16QAM	34.00	20.20	6.81
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: §27.53 (m)

At least $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section.

ISED: RSS199§5.6

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

Table 5: Unwanted emission limits for subscriber equipment other than fixed subscriber equipment	
Offset from the edge of the frequency block or frequency block group (MHz)	Unwanted emission limits
0-1	-10 dBm/(2% of OB*)
1-5	-10 dBm/MHz
5-X**	-13 dBm/MHz
$\geq X$	-25 dBm/MHz

*OB is the occupied bandwidth

** X is 6 MHz or the equipment occupied bandwidth, whichever is greater.

In addition to complying with the limits in table 5, subscriber equipment other than fixed subscriber equipment shall not exceed -13 dBm/MHz on all frequencies between 2490.5 MHz and 2496 MHz, and -25 dBm/MHz at or below 2490.5 MHz

Radiated measurement using the Field Strength Method

Using the test configuration shown in Figure 6 below, the radiated emissions is measured directly from the EUT and convert the measured field strength or received power to ERP or EIRP, as required, for comparison to the applicable limits. As stated in 5.5.1 of ANSI C63.26-2015, the field strength measurement method using a test site validated to the requirements of ANSI C63.4 is an alternative to the substitution measurement.

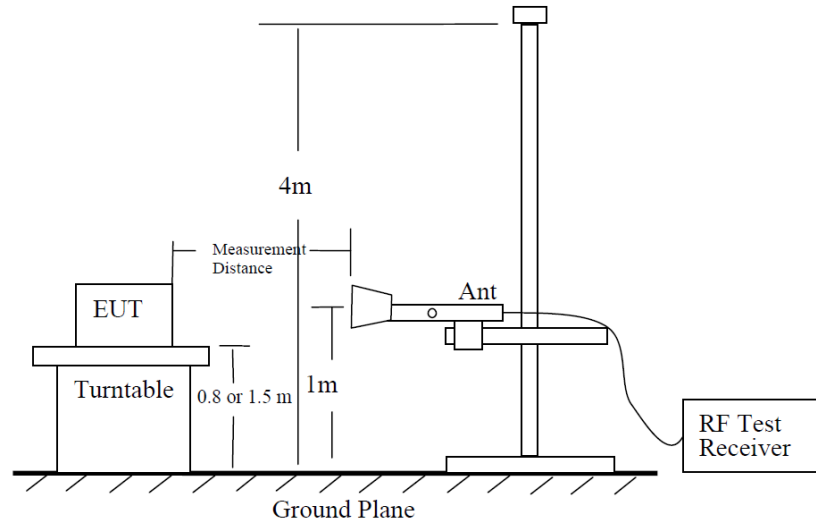


Figure 6 —Test site-up for radiated ERP and/or EIRP measurements

Radiated Power Measurement Calculation According to ANSI C63.26-2015

- a) $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dB}\mu\text{V)} + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}.$
- b) $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}.$
- c) $E \text{ (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20\log(D) + 104.8;$ where D is the measurement distance (in the far field region) in m.
- d) $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8;$ where D is the measurement distance (in the far field region) in m.

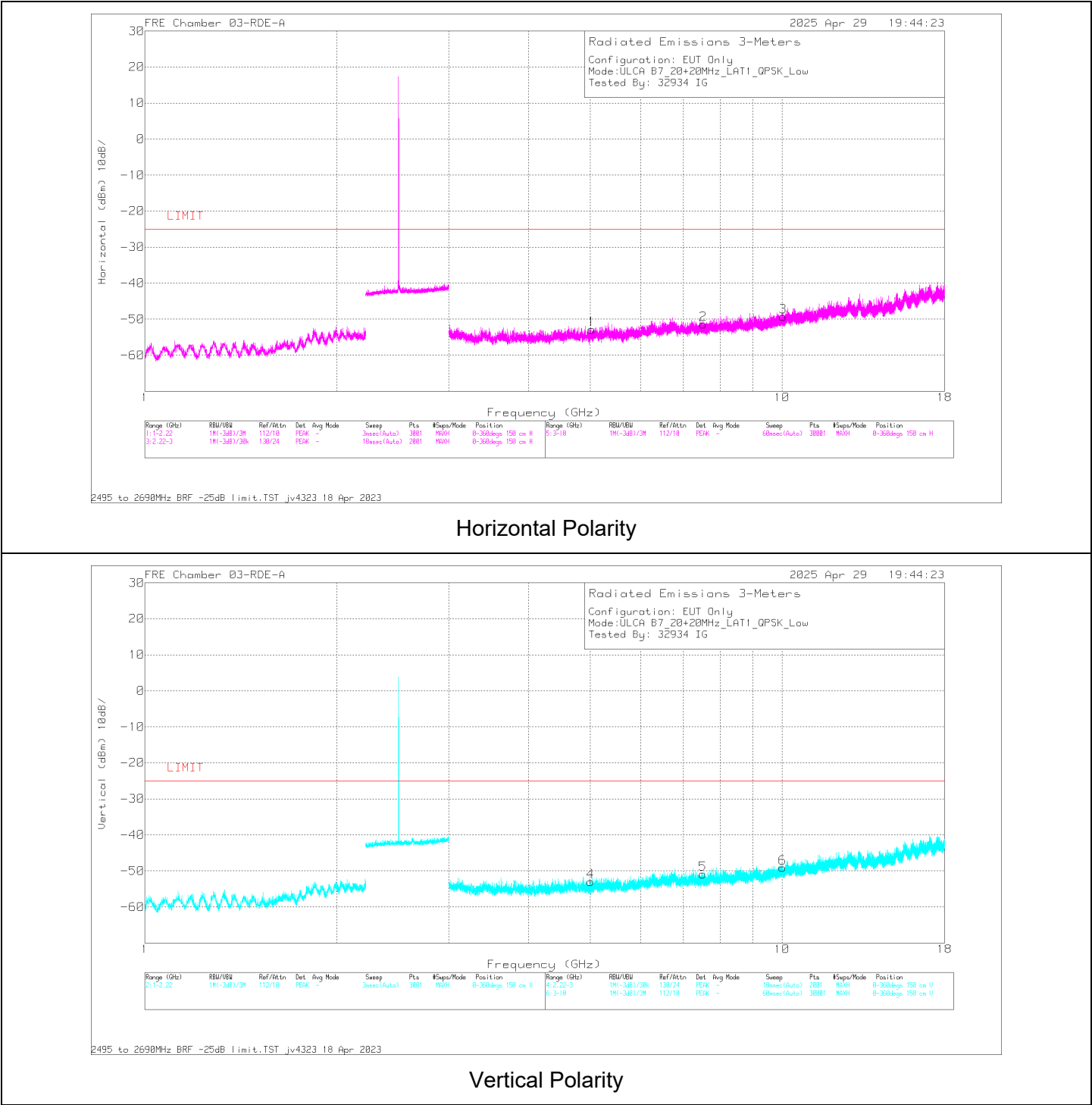
So, from d)

The measuring distance is usually at 3m, then $20 \cdot \log(3) = 9.5424$

Then, $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 9.5424 - 104.8 = E \text{ (dB}\mu\text{V/m)} - 95.2576$

Note: Confidence check of each chamber is performed daily to see if any degradation from expected/normal reading reference data. Ambient check of each chamber is performed monthly.

Example Plot



Trace Markers

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T962 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	EIRP CF	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
5.025000	56.19	Pk	34.0	-95.2	-47.9	-52.91	-25	-27.91	H
5.006000	56.15	Pk	34.0	-95.2	-47.9	-52.95	-25	-27.95	V
7.531000	53.74	Pk	35.9	-95.2	-45.9	-51.46	-25	-26.46	H
7.516500	54.48	Pk	35.8	-95.2	-46.0	-50.92	-25	-25.92	V
10.043000	54.68	Pk	37.2	-95.2	-46.0	-49.32	-25	-24.32	H
10.022000	54.89	Pk	37.2	-95.2	-46.0	-49.11	-25	-24.11	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 7

LTE BAND 7 (QPSK 20.0MHZ BANDWIDTH, ANT 3)

Date:	2025-04-07
Test Engineer:	32440
Configuration:	EUT Only
Mode:	LTE B7 20MHz QPSK
Chamber #:	05-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 2510MHz									
5.018000	54.91	Pk	34.1	-95.2	-48.48	-54.67	-25	-29.67	H
5.021500	55.15	Pk	34.1	-95.2	-48.39	-54.34	-25	-29.34	V
7.523500	52.95	Pk	35.7	-95.2	-46.90	-53.45	-25	-28.45	H
7.527000	54.50	Pk	35.7	-95.2	-46.86	-51.86	-25	-26.86	V
10.030500	53.73	Pk	37.2	-95.2	-45.33	-49.60	-25	-24.60	H
10.020000	53.45	Pk	37.2	-95.2	-45.19	-49.74	-25	-24.74	V
Mid Channel, 2535MHz									
5.075500	55.35	Pk	34.2	-95.2	-48.35	-54.00	-25	-29.00	H
5.058500	55.86	Pk	34.1	-95.2	-48.33	-53.57	-25	-28.57	V
7.601000	54.47	Pk	35.8	-95.2	-46.70	-51.63	-25	-26.63	H
7.626000	53.96	Pk	35.8	-95.2	-46.50	-51.94	-25	-26.94	V
10.155500	54.75	Pk	37.4	-95.2	-46.27	-49.32	-25	-24.32	H
10.159000	54.64	Pk	37.4	-95.2	-46.31	-49.47	-25	-24.47	V
High Channel, 2560MHz									
5.139000	56.11	Pk	34.2	-95.2	-48.09	-52.98	-25	-27.98	H
5.109000	56.51	Pk	34.2	-95.2	-48.23	-52.72	-25	-27.72	V
7.700000	53.71	Pk	35.8	-95.2	-45.98	-51.67	-25	-26.67	H
7.708000	53.63	Pk	35.8	-95.2	-45.94	-51.71	-25	-26.71	V
10.228000	54.69	Pk	37.4	-95.2	-45.78	-48.89	-25	-23.89	H
10.246500	54.53	Pk	37.4	-95.2	-45.93	-49.20	-25	-24.20	V

LTE BAND 7 (QPSK 20.0MHZ BANDWIDTH, ANT 4)

Date:	2025-04-11
Test Engineer:	20756
Configuration:	EUT Only
Mode:	LTE B7 20MHz QPSK
Chamber #:	05-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 2510MHz									
5.016000	55.88	Pk	34.1	-95.2	-48.36	-53.58	-25	-28.58	H
5.031000	56.41	Pk	34.1	-95.2	-48.23	-52.92	-25	-27.92	V
7.530000	54.24	Pk	35.7	-95.2	-46.77	-52.03	-25	-27.03	H
7.533500	55.14	Pk	35.7	-95.2	-46.62	-50.98	-25	-25.98	V
10.038500	53.55	Pk	37.2	-95.2	-45.21	-49.66	-25	-24.66	H
10.040000	52.72	Pk	37.2	-95.2	-45.28	-50.56	-25	-25.56	V
Mid Channel, 2535MHz									
5.073500	55.47	Pk	34.2	-95.2	-48.38	-53.91	-25	-28.91	H
5.066000	56.06	Pk	34.1	-95.2	-48.33	-53.37	-25	-28.37	V
7.601500	54.12	Pk	35.8	-95.2	-46.63	-51.91	-25	-26.91	H
7.610500	53.30	Pk	35.8	-95.2	-46.56	-52.66	-25	-27.66	V
10.141000	54.04	Pk	37.3	-95.2	-46.16	-50.02	-25	-25.02	H
10.138000	55.33	Pk	37.3	-95.2	-46.10	-48.67	-25	-23.67	V
High Channel, 2560MHz									
5.124500	54.02	Pk	34.2	-95.2	-48.09	-55.07	-25	-30.07	H
5.121500	55.02	Pk	34.2	-95.2	-48.17	-54.15	-25	-29.15	V
7.682000	53.18	Pk	35.8	-95.2	-46.08	-52.30	-25	-27.30	H
7.682000	53.52	Pk	35.8	-95.2	-46.08	-51.96	-25	-26.96	V
10.241500	54.58	Pk	37.4	-95.2	-45.75	-48.97	-25	-23.97	H
10.238000	53.77	Pk	37.4	-95.2	-45.83	-49.86	-25	-24.86	V

LTE BAND 7 (QPSK 20.0MHZ BANDWIDTH, ANT 2)

Date:	2025-04-11
Test Engineer:	20756
Configuration:	EUT Only
Mode:	LTE B7 20MHz QPSK
Chamber #:	05-RDE-B

Frequency (MHz)	Meter Reading (dBUV)	Det	226672 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 2510Mhz									
5.016500	55.32	Pk	34.1	-95.2	-48.42	-54.20	-25	-29.20	H
5.017500	55.84	Pk	34.1	-95.2	-48.48	-53.74	-25	-28.74	V
7.532000	53.65	Pk	35.7	-95.2	-46.79	-52.64	-25	-27.64	H
7.530500	53.61	Pk	35.7	-95.2	-46.76	-52.65	-25	-27.65	V
10.035500	52.77	Pk	37.2	-95.2	-45.23	-50.46	-25	-25.46	H
10.040500	52.52	Pk	37.2	-95.2	-45.33	-50.81	-25	-25.81	V
Mid Channel, 2535MHz									
5.068000	55.23	Pk	34.2	-95.2	-48.16	-53.93	-25	-28.93	H
5.066000	54.98	Pk	34.1	-95.2	-48.33	-54.45	-25	-29.45	V
7.609250	52.43	Pk	35.8	-95.2	-46.50	-53.47	-25	-28.47	H
7.614000	54.09	Pk	35.8	-95.2	-46.57	-51.88	-25	-26.88	V
10.142500	54.01	Pk	37.3	-95.2	-46.26	-50.15	-25	-25.15	H
10.135500	53.50	Pk	37.3	-95.2	-46.22	-50.62	-25	-25.62	V
High Channel, 2660MHz									
5.125000	55.47	Pk	34.2	-95.2	-48.09	-53.62	-25	-28.62	H
5.110000	55.45	Pk	34.2	-95.2	-48.07	-53.62	-25	-28.62	V
7.683000	52.77	Pk	35.8	-95.2	-45.98	-52.61	-25	-27.61	H
7.679000	53.23	Pk	35.8	-95.2	-46.28	-52.45	-25	-27.45	V
10.239500	53.91	Pk	37.4	-95.2	-45.82	-49.71	-25	-24.71	H
10.239500	53.90	Pk	37.4	-95.2	-45.82	-49.72	-25	-24.72	V

LTE BAND 7 (QPSK 20.0MHZ BANDWIDTH, ANT 1)

Date:	2025-04-30
Test Engineer:	111411
Configuration:	EUT Only
Mode:	LTE B7 20MHz QPSK
Chamber #:	03-RDE-A

Frequency (MHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 2510Mhz									
5.341000	55.71	Pk	34.6	-95.2	-47.60	-52.49	-25	-27.49	H
5.328000	55.87	Pk	34.6	-95.2	-47.70	-52.43	-25	-27.43	V
7.531500	54.10	Pk	35.9	-95.2	-45.90	-51.10	-25	-26.10	H
7.506000	53.55	Pk	35.8	-95.2	-45.80	-51.65	-25	-26.65	V
10.033500	54.86	Pk	37.2	-95.2	-46.05	-49.19	-25	-24.19	H
10.013500	55.44	Pk	37.2	-95.2	-45.90	-48.46	-25	-23.46	V
Mid Channel, 2535MHz									
5.070000	56.62	Pk	34.1	-95.2	-48.20	-52.68	-25	-27.68	H
5.048000	55.22	Pk	34.0	-95.2	-48.00	-53.98	-25	-28.98	V
7.625000	54.42	Pk	35.9	-95.2	-46.30	-51.18	-25	-26.18	H
7.575500	53.92	Pk	35.9	-95.2	-46.15	-51.53	-25	-26.53	V
10.154500	55.75	Pk	37.3	-95.2	-45.45	-47.60	-25	-22.60	H
10.132500	54.70	Pk	37.3	-95.2	-45.60	-48.80	-25	-23.80	V
High Channel, 2560MHz									
5.106000	56.63	Pk	34.1	-95.2	-47.90	-52.37	-25	-27.37	H
5.076500	56.12	Pk	34.1	-95.2	-48.10	-53.08	-25	-28.08	V
7.684500	53.96	Pk	35.9	-95.2	-45.85	-51.19	-25	-26.19	H
7.627000	54.45	Pk	35.9	-95.2	-46.30	-51.15	-25	-26.15	V
10.257500	55.40	Pk	37.4	-95.2	-44.95	-47.35	-25	-22.35	H
10.236000	54.95	Pk	37.4	-95.2	-44.70	-47.55	-25	-22.55	V

10.1.2. 5G NR n7

5G NR n7 (BPSK 50.0MHZ BANDWIDTH, ANT 3)

Date:	2025-03-36
Test Engineer:	32316
Configuration:	EUT Only
Mode:	5G NR n7 50MHz BPSK
Chamber #:	05-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 2525MHz									
5.045500	56.79	Pk	34.1	-95.2	-48.37	-52.68	-25	-27.68	H
5.031500	55.97	Pk	34.1	-95.2	-48.19	-53.32	-25	-28.32	V
7.546500	53.99	Pk	35.7	-95.2	-46.69	-52.20	-25	-27.20	H
7.546500	56.81	Pk	35.7	-95.2	-46.69	-49.38	-25	-24.38	V
10.056000	54.71	Pk	37.3	-95.2	-45.40	-48.59	-25	-23.59	H
10.078500	54.48	Pk	37.3	-95.2	-45.87	-49.29	-25	-24.29	V
Mid Channel, 2535MHz									
5.072000	56.20	Pk	34.2	-95.2	-48.36	-53.16	-25	-28.16	H
5.061000	55.92	Pk	34.1	-95.2	-48.35	-53.53	-25	-28.53	V
7.585500	54.35	Pk	35.8	-95.2	-46.59	-51.64	-25	-26.64	H
7.628000	55.58	Pk	35.8	-95.2	-46.42	-50.24	-25	-25.24	V
10.131500	55.57	Pk	37.3	-95.2	-46.12	-48.45	-25	-23.45	H
10.163500	55.36	Pk	37.4	-95.2	-46.18	-48.62	-25	-23.62	V
High Channel, 2545MHz									
5.090000	56.43	Pk	34.2	-95.2	-48.29	-52.86	-25	-27.86	H
5.094500	56.51	Pk	34.2	-95.2	-48.25	-52.74	-25	-27.74	V
7.630500	56.59	Pk	35.8	-95.2	-46.40	-49.21	-25	-24.21	H
7.639000	54.05	Pk	35.8	-95.2	-46.41	-51.76	-25	-26.76	V
10.183000	55.67	Pk	37.4	-95.2	-46.06	-48.19	-25	-23.19	H
10.197000	55.28	Pk	37.4	-95.2	-45.93	-48.45	-25	-23.45	V

5G NR n7 (BPSK 50.0MHZ BANDWIDTH, ANT 4)

Date:	2025-03-28
Test Engineer:	32440
Configuration:	EUT Only
Mode:	5G NR n7 50MHz BPSK
Chamber #:	05-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 2525MHz									
5.016000	57.52	Pk	34.1	-95.2	-48.36	-51.94	-25	-26.94	H
5.029000	57.83	Pk	34.1	-95.2	-48.27	-51.54	-25	-26.54	V
7.583500	55.11	Pk	35.8	-95.2	-46.53	-50.82	-25	-25.82	H
7.589500	54.41	Pk	35.8	-95.2	-46.54	-51.53	-25	-26.53	V
10.092000	55.20	Pk	37.3	-95.2	-45.88	-48.58	-25	-23.58	H
10.063500	54.45	Pk	37.3	-95.2	-45.47	-48.92	-25	-23.92	V
Mid Channel, 2535MHz									
5.027500	56.92	Pk	34.1	-95.2	-48.40	-52.58	-25	-27.58	H
5.019000	57.86	Pk	34.1	-95.2	-48.44	-51.68	-25	-26.68	V
7.603000	54.14	Pk	35.8	-95.2	-46.67	-51.93	-25	-26.93	H
7.594500	54.86	Pk	35.8	-95.2	-46.58	-51.12	-25	-26.12	V
10.135500	55.09	Pk	37.3	-95.2	-46.22	-49.03	-25	-24.03	H
10.162000	54.91	Pk	37.4	-95.2	-46.18	-49.07	-25	-24.07	V
High Channel, 2545MHz									
5.111500	56.18	Pk	34.2	-95.2	-48.20	-53.02	-25	-28.02	H
5.092500	56.02	Pk	34.2	-95.2	-48.23	-53.21	-25	-28.21	V
7.568000	55.37	Pk	35.8	-95.2	-46.70	-50.73	-25	-25.73	H
7.546000	55.24	Pk	35.7	-95.2	-46.68	-50.94	-25	-25.94	V
10.193500	55.20	Pk	37.4	-95.2	-46.06	-48.66	-25	-23.66	H
10.209000	54.91	Pk	37.4	-95.2	-45.97	-48.86	-25	-23.86	V

5G NR n7 (BPSK 50.0MHZ BANDWIDTH, ANT 2)

Date:	2025-07-08
Test Engineer:	32703
Configuration:	EUT Only
Mode:	5G NR n7 50MHz BPSK
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, 2525MHz									
5.000000	54.48	Pk	34	-95.2	-47.7	-54.42	-25	-29.42	H
5.000000	54.43	Pk	34	-95.2	-47.7	-54.47	-25	-29.47	V
7.501000	52.37	Pk	35.8	-95.2	-46	-53.03	-25	-28.03	H
7.501000	52.72	Pk	35.8	-95.2	-46	-52.68	-25	-27.68	V
10.000500	52.97	Pk	37.2	-95.2	-45.55	-50.58	-25	-25.58	H
10.000500	52.39	Pk	37.2	-95.2	-45.55	-51.16	-25	-26.16	V
Mid Channel, 2535MHz									
5.030000	53.88	Pk	34.0	-95.2	-47.9	-55.22	-25	-30.22	H
5.030000	55.09	Pk	34.0	-95.2	-47.9	-54.01	-25	-29.01	V
7.545500	52.21	Pk	35.9	-95.2	-45.5	-52.59	-25	-27.59	H
7.545500	53.30	Pk	35.9	-95.2	-45.5	-51.50	-25	-26.50	V
10.060000	53.82	Pk	37.2	-95.2	-45.9	-50.08	-25	-25.08	H
10.060000	54.00	Pk	37.2	-95.2	-45.9	-49.90	-25	-24.90	V
High Channel, 2545MHz									
5.060500	54.66	Pk	34	-95.2	-47.7	-54.24	-25	-29.24	H
5.060500	55.27	Pk	34	-95.2	-47.7	-53.63	-25	-28.63	V
7.590000	52.04	Pk	35.9	-95.2	-45.8	-53.06	-25	-28.06	H
7.590000	52.09	Pk	35.9	-95.2	-45.8	-53.01	-25	-28.01	V
10.120500	53.62	Pk	37.3	-95.2	-45.8	-50.08	-25	-25.08	H
10.120500	53.31	Pk	37.3	-95.2	-45.8	-50.39	-25	-25.39	V

5G NR n7 (BPSK 50.0MHZ BANDWIDTH, ANT 1)

Date:	2025-04-02
Test Engineer:	32440
Configuration:	EUT Only
Mode:	5G NR n7 50MHz BPSK
Chamber #:	05-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 2525MHz									
5.011500	55.51	Pk	34.1	-95.2	-48.57	-54.16	-25	-29.16	H
5.011500	56.03	Pk	34.1	-95.2	-48.57	-53.64	-25	-28.64	V
7.515000	55.22	Pk	35.7	-95.2	-46.92	-51.20	-25	-26.20	H
7.514500	54.90	Pk	35.7	-95.2	-46.88	-51.48	-25	-26.48	V
10.058000	53.51	Pk	37.3	-95.2	-45.39	-49.78	-25	-24.78	H
10.083000	54.31	Pk	37.3	-95.2	-45.75	-49.34	-25	-24.34	V
Mid Channel, 2535MHz									
5.046500	55.29	Pk	34.1	-95.2	-48.4	-54.21	-25	-29.21	H
5.045500	56.88	Pk	34.1	-95.2	-48.37	-52.59	-25	-27.59	V
7.562500	53.33	Pk	35.7	-95.2	-46.67	-52.84	-25	-27.84	H
7.562500	53.55	Pk	35.7	-95.2	-46.67	-52.62	-25	-27.62	V
10.068000	54.10	Pk	37.3	-95.2	-45.46	-49.26	-25	-24.26	H
10.097500	53.99	Pk	37.3	-95.2	-45.90	-49.81	-25	-24.81	V
High Channel, 2545MHz									
5.072500	56.64	Pk	34.2	-95.2	-48.37	-52.73	-25	-27.73	H
5.073500	55.14	Pk	34.2	-95.2	-48.38	-54.24	-25	-29.24	V
7.631500	53.55	Pk	35.8	-95.2	-46.43	-52.28	-25	-27.28	H
7.631500	52.92	Pk	35.8	-95.2	-46.43	-52.91	-25	-27.91	V
10.182000	54.05	Pk	37.4	-95.2	-46.15	-49.90	-25	-24.90	H
10.178000	54.09	Pk	37.4	-95.2	-46.16	-49.87	-25	-24.87	V

10.1.3. ULCA LTE BAND 7

ULCA LTE BAND 7 (QPSK 20.0MHZ + 20.0MHZ BANDWIDTH, ANT 3)

Date:	2025-04-29
Test Engineer:	32545
Configuration:	EUT Only
Mode:	ULCA B7 20+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, 2510MHz+2529.8MHz									
5.025000	56.19	Pk	34.0	-95.2	-47.90	-52.91	-25	-27.91	H
5.006000	56.15	Pk	34.0	-95.2	-47.90	-52.95	-25	-27.95	V
7.531000	53.74	Pk	35.9	-95.2	-45.90	-51.46	-25	-26.46	H
7.516500	54.48	Pk	35.8	-95.2	-46.00	-50.92	-25	-25.92	V
10.043000	54.68	Pk	37.2	-95.2	-46.00	-49.32	-25	-24.32	H
10.022000	54.89	Pk	37.2	-95.2	-46.00	-49.11	-25	-24.11	V
Mid Channel, 2525.1MHz+2544.9MHz									
5.065500	56.83	Pk	34.1	-95.2	-48.05	-52.32	-25	-27.32	H
5.053500	56.43	Pk	34.0	-95.2	-48.10	-52.87	-25	-27.87	V
7.589500	53.56	Pk	35.9	-95.2	-46.20	-51.94	-25	-26.94	H
7.583000	55.05	Pk	35.9	-95.2	-46.20	-50.45	-25	-25.45	V
10.115000	54.58	Pk	37.3	-95.2	-45.90	-49.22	-25	-24.22	H
10.130500	54.30	Pk	37.3	-95.2	-45.55	-49.15	-25	-24.15	V
High Channel, 2540.2MHz+2560MHz									
5.073500	56.42	Pk	34.1	-95.2	-47.95	-52.63	-25	-27.63	H
5.031500	55.79	Pk	34.0	-95.2	-47.90	-53.31	-25	-28.31	V
7.634500	54.72	Pk	35.9	-95.2	-46.15	-50.73	-25	-25.73	H
7.599000	54.72	Pk	35.9	-95.2	-46.10	-50.68	-25	-25.68	V
10.160000	55.09	Pk	37.3	-95.2	-45.40	-48.21	-25	-23.21	H
10.185000	55.24	Pk	37.3	-95.2	-44.90	-47.56	-25	-22.56	V

ULCA LTE BAND 7 (QPSK 20.0MHZ + 20.0MHZ BANDWIDTH, ANT 4)

Date:	2025-07-20
Test Engineer:	45258
Configuration:	EUT Only
Mode:	ULCA B7 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, 2510MHz+2529.8MHz									
5.035500	56.65	Pk	34.00	-95.2	-49.30	-53.85	-25	-28.85	H
5.038500	56.77	Pk	34.00	-95.2	-49.20	-53.63	-25	-28.63	V
7.563000	55.14	Pk	35.70	-95.2	-48.00	-52.36	-25	-27.36	H
7.561000	55.33	Pk	35.70	-95.2	-48.00	-52.17	-25	-27.17	V
10.083000	56.09	Pk	37.30	-95.2	-48.10	-49.91	-25	-24.91	H
10.080500	55.05	Pk	37.30	-95.2	-48.15	-51.00	-25	-26.00	V
Mid Channel, 2525.1MHz+2544.9MHz									
5.007500	56.51	Pk	34.00	-95.2	-49.20	-53.89	-25	-28.89	H
5.007500	55.62	Pk	34.00	-95.2	-49.20	-54.78	-25	-29.78	V
7.602000	56.42	Pk	35.70	-95.2	-48.20	-51.28	-25	-26.28	H
7.603500	54.33	Pk	35.70	-95.2	-48.20	-53.37	-25	-28.37	V
10.141500	55.81	Pk	37.40	-95.2	-48.00	-49.99	-25	-24.99	H
10.142500	55.65	Pk	37.40	-95.2	-48.05	-50.2	-25	-25.20	V
High Channel, 2540.2MHz+2560MHz									
5.102500	56.87	Pk	34.00	-95.2	-49.45	-53.78	-25	-28.78	H
5.101500	56.50	Pk	34.00	-95.2	-49.50	-54.2	-25	-29.20	V
7.647000	55.91	Pk	35.80	-95.2	-47.80	-51.29	-25	-26.29	H
7.650500	54.40	Pk	35.80	-95.2	-47.85	-52.85	-25	-27.85	V
10.202000	57.21	Pk	37.40	-95.2	-47.70	-48.29	-25	-23.29	H
10.200500	54.94	Pk	37.40	-95.2	-47.70	-50.56	-25	-25.56	V

ULCA LTE BAND 7 (QPSK 20.0MHZ + 20.0MHZ BANDWIDTH, ANT 2)

Date:	2025-05-01
Test Engineer:	32545
Configuration:	EUT Only
Mode:	ULCA B7 20+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, 2510MHz+2529.8MHz									
5.048000	56.24	Pk	34.0	-95.2	-48.00	-52.96	-25	-27.96	H
5.044500	56.43	Pk	34.0	-95.2	-47.95	-52.72	-25	-27.72	V
7.545000	55.31	Pk	35.9	-95.2	-46.00	-49.99	-25	-24.99	H
7.545000	54.36	Pk	35.9	-95.2	-46.00	-50.94	-25	-25.94	V
10.063500	55.23	Pk	37.2	-95.2	-46.20	-48.97	-25	-23.97	H
10.050500	55.41	Pk	37.2	-95.2	-46.20	-48.79	-25	-23.79	V
Mid Channel, 2525.1MHz+2544.9MHz									
5.100000	56.34	Pk	34.1	-95.2	-48.00	-52.76	-25	-27.76	H
5.085500	56.46	Pk	34.1	-95.2	-48.00	-52.64	-25	-27.64	V
7.644500	54.10	Pk	35.9	-95.2	-46.10	-51.30	-25	-26.30	H
7.644500	54.29	Pk	35.9	-95.2	-46.10	-51.11	-25	-26.11	V
10.188500	55.15	Pk	37.3	-95.2	-44.80	-47.55	-25	-22.55	H
10.208000	54.59	Pk	37.3	-95.2	-44.70	-48.01	-25	-23.01	V
High Channel, 2540.2MHz+2560MHz									
5.097000	56.69	Pk	34.1	-95.2	-47.90	-52.31	-25	-27.31	H
5.086500	57.00	Pk	34.1	-95.2	-47.95	-52.05	-25	-27.05	V
7.664000	54.32	Pk	35.9	-95.2	-45.90	-50.88	-25	-25.88	H
7.649500	54.41	Pk	35.9	-95.2	-45.95	-50.84	-25	-25.84	V
10.200000	54.98	Pk	37.3	-95.2	-44.70	-47.62	-25	-22.62	H
10.202000	54.88	Pk	37.3	-95.2	-44.70	-47.72	-25	-22.72	V

ULCA LTE BAND 7 (QPSK 20.0MHZ + 20.0MHZ BANDWIDTH, ANT 1)

Date:	2025-05-01
Test Engineer:	32934
Configuration:	EUT Only
Mode:	ULCA B7 20+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, 2510MHz+2529.8MHz									
5.031000	56.17	Pk	34.0	-95.2	-47.90	-52.93	-25	-27.93	H
5.020500	56.61	Pk	34.0	-95.2	-47.90	-52.49	-25	-27.49	V
7.523500	54.03	Pk	35.8	-95.2	-46.05	-51.42	-25	-26.42	H
7.487000	54.23	Pk	35.8	-95.2	-45.70	-50.87	-25	-25.87	V
10.048500	56.57	Pk	37.2	-95.2	-46.15	-47.58	-25	-22.58	H
10.003500	54.64	Pk	37.2	-95.2	-45.90	-49.26	-25	-24.26	V
Mid Channel, 2525.1MHz+2544.9MHz									
5.075000	57.25	Pk	34.1	-95.2	-48.10	-51.95	-25	-26.95	H
5.036500	55.58	Pk	34.0	-95.2	-47.95	-53.57	-25	-28.57	V
7.578500	55.10	Pk	35.9	-95.2	-46.25	-50.45	-25	-25.45	H
7.603500	54.69	Pk	35.9	-95.2	-46.10	-50.71	-25	-25.71	V
10.115000	56.62	Pk	37.3	-95.2	-45.90	-47.18	-25	-22.18	H
10.123500	55.07	Pk	37.3	-95.2	-45.80	-48.63	-25	-23.63	V
High Channel, 2540.2MHz+2560MHz									
5.088500	56.14	Pk	34.1	-95.2	-47.90	-52.86	-25	-27.86	H
5.062000	56.84	Pk	34.1	-95.2	-48.00	-52.26	-25	-27.26	V
7.621000	54.75	Pk	35.9	-95.2	-46.20	-50.75	-25	-25.75	H
7.620500	55.48	Pk	35.9	-95.2	-46.20	-50.02	-25	-25.02	V
10.170500	56.00	Pk	37.3	-95.2	-45.25	-47.15	-25	-22.15	H
10.181500	56.13	Pk	37.3	-95.2	-45.10	-46.87	-25	-21.87	V

10.1.4. LTE BAND 41 (FCC)

LTE BAND 41 (QPSK 20.0MHZ BANDWIDTH, ANT 3)

Date:	2025-07-13
Test Engineer:	28571
Configuration:	EUT Only
Mode:	FCC LTE B41 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, 2506MHz									
5.016000	56.97	Pk	34	-95.2	-49.3	-53.53	-25	-28.53	H
5.019500	55.89	Pk	34	-95.2	-49.35	-54.66	-25	-29.66	V
7.531500	55.09	Pk	35.7	-95.2	-47.9	-52.31	-25	-27.31	H
7.532000	54.64	Pk	35.7	-95.2	-47.9	-52.76	-25	-27.76	V
10.038000	55.2	Pk	37.2	-95.2	-47.8	-50.60	-25	-25.60	H
10.043000	55.98	Pk	37.3	-95.2	-47.9	-49.82	-25	-24.82	V
Mid Channel, 2593MHz									
5.190000	55.54	Pk	34	-95.2	-49	-54.66	-25	-29.66	H
5.189000	55.9	Pk	34	-95.2	-49.1	-54.4	-25	-29.4	V
7.786000	55.18	Pk	35.8	-95.2	-47.2	-51.42	-25	-26.42	H
7.787000	54	Pk	35.8	-95.2	-47.3	-52.70	-25	-27.70	V
10.384000	56.14	Pk	37.5	-95.2	-47.5	-49.06	-25	-24.06	H
10.380000	56.81	Pk	37.5	-95.2	-47.6	-48.49	-25	-23.49	V
High Channel, 2680MHz									
5.364500	56.47	Pk	34.3	-95.2	-49	-53.43	-25	-28.43	H
5.363000	56.03	Pk	34.3	-95.2	-49	-53.87	-25	-28.87	V
8.041500	54.62	Pk	35.9	-95.2	-47.1	-51.78	-25	-26.78	H
8.0410000	54.67	Pk	35.9	-95.2	-47.1	-51.73	-25	-26.73	V
10.72400	54.63	Pk	37.7	-95.2	-46.7	-49.57	-25	-24.57	H
10.723500	55.42	Pk	37.7	-95.2	-46.7	-48.78	-25	-23.78	V

LTE BAND 41 (QPSK 20.0MHZ BANDWIDTH, ANT 4)

Date:	2025-07-07
Test Engineer:	32545
Configuration:	EUT Only
Mode:	FCC LTE B41 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, 2506MHz									
5.359500	55.89	Pk	34.6	-95.2	-47.4	-52.11	-25	-27.11	H
5.358500	55.25	Pk	34.6	-95.2	-47.4	-52.75	-25	-27.75	V
8.054000	54.89	Pk	36	-95.2	-45.2	-49.51	-25	-24.51	H
8.044000	53.79	Pk	36	-95.2	-45	-50.41	-25	-25.41	V
10.709000	54.31	Pk	37.7	-95.2	-44.7	-47.89	-25	-22.89	H
10.729000	54.61	Pk	37.7	-95.2	-44.4	-47.29	-25	-22.29	V
Mid Channel, 2593MHz									
5.156500	54.94	Pk	34.3	-95.2	-48.02	-53.98	-25	-28.98	H
5.157000	55.17	Pk	34.3	-95.2	-47.98	-53.71	-25	-28.71	V
7.745000	54.58	Pk	35.9	-95.2	-45.72	-50.44	-25	-25.44	H
7.752000	57.30	Pk	35.9	-95.2	-45.50	-47.50	-25	-22.50	V
10.341000	54.47	Pk	37.5	-95.2	-45.92	-49.15	-25	-24.15	H
10.348500	54.20	Pk	37.5	-95.2	-46.02	-49.52	-25	-24.52	V
High Channel, 2680MHz									
5.359500	55.89	Pk	34.6	-95.2	-47.4	-52.11	-25	-27.11	H
5.358500	55.25	Pk	34.6	-95.2	-47.4	-52.75	-25	-27.75	V
8.054000	54.89	Pk	36	-95.2	-45.2	-49.51	-25	-24.51	H
8.044000	53.79	Pk	36	-95.2	-45	-50.41	-25	-25.41	V
10.709000	54.31	Pk	37.7	-95.2	-44.7	-47.89	-25	-22.89	H
10.729000	54.61	Pk	37.7	-95.2	-44.4	-47.29	-25	-22.29	V

LTE BAND 41 (QPSK 20.0MHZ BANDWIDTH, ANT 2)

Date:	2025-07-24
Test Engineer:	45258
Configuration:	EUT Only
Mode:	FCC LTE B41 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, 2506MHz									
5.009000	56.46	Pk	34.00	-95.2	-49.20	-53.94	-25	-28.94	H
5.008500	55.90	Pk	34.00	-95.2	-49.20	-54.50	-25	-29.50	V
7.516500	54.59	Pk	35.70	-95.2	-47.80	-52.71	-25	-27.71	H
7.519500	54.35	Pk	35.70	-95.2	-47.80	-52.95	-25	-27.95	V
10.025000	55.14	Pk	37.20	-95.2	-47.90	-50.76	-25	-25.76	H
10.025500	55.83	Pk	37.20	-95.2	-47.90	-50.07	-25	-25.07	V
Mid Channel, 2593MHz									
5.185000	56.03	Pk	34.00	-95.2	-49.00	-54.17	-25	-29.17	H
5.187500	55.35	Pk	34.00	-95.2	-49.00	-54.85	-25	-29.85	V
7.779000	54.85	Pk	35.80	-95.2	-47.20	-51.75	-25	-26.75	H
7.779500	54.85	Pk	35.80	-95.2	-47.20	-51.75	-25	-26.75	V
10.371000	55.19	Pk	37.50	-95.2	-47.60	-50.11	-25	-25.11	H
10.372500	54.42	Pk	37.50	-95.2	-47.60	-50.88	-25	-25.88	V
High Channel, 2680MHz									
5.365500	57.00	Pk	34.30	-95.2	-49	-52.90	-25	-27.90	H
5.356000	57.40	Pk	34.20	-95.2	-49.1	-52.70	-25	-27.70	V
8.043000	54.27	Pk	35.90	-95.2	-47.1	-52.13	-25	-27.13	H
8.050000	55.65	Pk	35.90	-95.2	-47.2	-50.85	-25	-25.85	V
10.722000	54.13	Pk	37.70	-95.2	-46.6	-49.97	-25	-24.97	H
10.721000	55.21	Pk	37.70	-95.2	-46.6	-48.89	-25	-23.89	V

LTE BAND 41 (QPSK 20.0MHZ BANDWIDTH, ANT 1)

Date:	2025-06-23
Test Engineer:	111616
Configuration:	EUT Only
Mode:	FCC LTE B41 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,2506MHz									
5.022000	56.5	Pk	34.00	-95.2	-48.00	-52.70	-25	-27.70	H
5.001200	55.76	Pk	34.00	-95.2	-47.70	-53.14	-25	-28.14	V
7.512000	54.41	Pk	35.80	-95.2	-45.90	-50.89	-25	-25.89	H
7.495000	54.64	Pk	35.80	-95.2	-46.00	-50.76	-25	-25.76	V
10.010000	55.62	Pk	37.20	-95.2	-45.90	-48.28	-25	-23.28	H
10.011000	55.51	Pk	37.20	-95.2	-45.90	-48.39	-25	-23.39	V
Mid Channel,2593MHz									
5.184500	56.03	Pk	34.30	-95.2	-47.40	-52.27	-25	-27.27	H
5.206000	55.53	Pk	34.30	-95.2	-47.20	-52.57	-25	-27.57	V
7.799500	54.95	Pk	35.90	-95.2	-45.55	-49.9	-25	-24.90	H
7.760000	54.59	Pk	35.90	-95.2	-45.40	-50.11	-25	-25.11	V
10.368500	55.04	Pk	37.50	-95.2	-45.10	-47.76	-25	-22.76	H
10.353500	54.66	Pk	37.50	-95.2	-45.00	-48.04	-25	-23.04	V
High Channel,2680MHz									
5.366500	56.79	Pk	34.60	-95.2	-47.35	-51.16	-25	-26.16	H
5.356500	55.53	Pk	34.60	-95.2	-47.3	-52.37	-25	-27.37	V
8.057500	54.20	Pk	36.00	-95.2	-45.1	-50.10	-25	-25.10	H
8.045500	55.02	Pk	36.00	-95.2	-45.1	-49.28	-25	-24.28	V
10.695000	54.17	Pk	37.70	-95.2	-44.6	-47.93	-25	-22.93	H
10.744000	53.78	Pk	37.70	-95.2	-44.2	-47.92	-25	-22.92	V

10.1.5. 5G NR n41 (SISO, FCC)

5G NR n41 (BPSK 100.0MHZ BANDWIDTH, ANT 3)

Date:	2025-07-25
Test Engineer:	32545
Configuration:	EUT Only
Mode:	FCC FR1 5G NR n41 100MHz BPSK
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, 2546MHz									
5.092000	57.73	Pk	34.00	-95.2	-49.60	-53.07	-25	-28.07	H
5.102000	57.17	Pk	34.00	-95.2	-49.50	-53.53	-25	-28.53	V
7.487000	55.76	Pk	35.70	-95.2	-47.80	-51.54	-25	-26.54	H
7.491500	59.47	Pk	35.70	-95.2	-47.85	-47.88	-25	-22.88	V
10.209500	56.36	Pk	37.40	-95.2	-47.70	-49.14	-25	-24.14	H
10.168000	56.99	Pk	37.40	-95.2	-47.90	-48.71	-25	-23.71	V
Mid Channel, 2593MHz									
5.176000	56.50	Pk	34.10	-95.2	-49.00	-53.6	-25	-28.60	H
5.171000	56.76	Pk	34.10	-95.2	-49.00	-53.34	-25	-28.34	V
7.803500	56.89	Pk	35.90	-95.2	-47.40	-49.81	-25	-24.81	H
7.783000	55.23	Pk	35.80	-95.2	-47.20	-51.37	-25	-26.37	V
10.385000	56.15	Pk	37.50	-95.2	-47.50	-49.05	-25	-24.05	H
10.393500	56.15	Pk	37.50	-95.2	-47.55	-49.1	-25	-24.10	V
High Channel, 2640MHz									
5.292500	57.09	Pk	34.20	-95.2	-49.00	-52.91	-25	-27.91	H
5.278000	56.99	Pk	34.20	-95.2	-49.00	-53.01	-25	-28.01	V
7.932500	54.68	Pk	35.90	-95.2	-46.90	-51.52	-25	-26.52	H
7.913000	54.62	Pk	35.90	-95.2	-47.10	-51.78	-25	-26.78	V
10.565500	55.61	Pk	37.60	-95.2	-47.30	-49.29	-25	-24.29	H
10.547000	55.57	Pk	37.60	-95.2	-47.10	-49.13	-25	-24.13	V

5G NR n41 (BPSK 100.0MHZ BANDWIDTH, ANT 4)

Date:	2024-03-31
Test Engineer:	32440
Configuration:	EUT Only
Mode:	FCC FR1 5G NR n41 100MHz BPSK
Chamber #:	05-RDE-B

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, 2546MHz									
5.030500	56.30	Pk	34.1	-95.2	-48.22	-53.02	-25	-28.02	H
5.031000	56.88	Pk	34.1	-95.2	-48.23	-52.45	-25	-27.45	V
7.611500	54.32	Pk	35.8	-95.2	-46.54	-51.62	-25	-26.62	H
7.627500	53.52	Pk	35.8	-95.2	-46.49	-52.37	-25	-27.37	V
10.188500	55.56	Pk	37.4	-95.2	-46.17	-48.41	-25	-23.41	H
10.199500	54.84	Pk	37.4	-95.2	-46.15	-49.11	-25	-24.11	V
Mid Channel, 2593MHz									
5.157000	56.67	Pk	34.3	-95.2	-47.98	-52.21	-25	-27.21	H
5.165000	56.08	Pk	34.3	-95.2	-48.08	-52.90	-25	-27.90	V
7.768500	53.63	Pk	35.9	-95.2	-45.45	-51.12	-25	-26.12	H
7.754000	54.19	Pk	35.9	-95.2	-45.53	-50.64	-25	-25.64	V
10.368000	54.16	Pk	37.5	-95.2	-46.01	-49.55	-25	-24.55	H
10.335500	54.17	Pk	37.5	-95.2	-45.96	-49.49	-25	-24.49	V
High Channel, 2640MHz									
5.264500	54.85	Pk	34.5	-95.2	-48.05	-53.90	-25	-28.90	H
5.268500	56.17	Pk	34.5	-95.2	-48.07	-52.60	-25	-27.60	V
7.853000	54.44	Pk	35.9	-95.2	-46.02	-50.88	-25	-25.88	H
7.872500	54.54	Pk	35.9	-95.2	-46.20	-50.96	-25	-25.96	V
10.529000	55.06	Pk	37.6	-95.2	-45.94	-48.48	-25	-23.48	H
10.554000	54.99	Pk	37.6	-95.2	-45.83	-48.44	-25	-23.44	V

5G NR n41 (BPSK 100.0MHZ BANDWIDTH, ANT 2)

Date:	2024-04-01
Test Engineer:	32440
Configuration:	EUT Only
Mode:	FCC FR1 5G NR n41 100MHz BPSK
Chamber #:	05-RDE-B

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, 2546MHz									
5.055000	55.61	Pk	34.1	-95.2	-48.34	-53.83	-25	-28.83	H
5.052500	56.98	Pk	34.1	-95.2	-48.41	-52.53	-25	-27.53	V
7.491000	55.75	Pk	35.7	-95.2	-46.73	-50.48	-25	-25.48	H
7.491000	56.11	Pk	35.7	-95.2	-46.73	-50.12	-25	-25.12	V
10.135500	55.95	Pk	37.3	-95.2	-46.22	-48.17	-25	-23.17	H
10.143000	55.84	Pk	37.3	-95.2	-46.26	-48.32	-25	-23.32	V
Mid Channel, 2593MHz									
5.168500	54.83	Pk	34.3	-95.2	-48.03	-54.10	-25	-29.10	H
5.169500	55.07	Pk	34.3	-95.2	-48.03	-53.86	-25	-28.86	V
7.744500	53.01	Pk	35.9	-95.2	-45.69	-51.98	-25	-26.98	H
7.715000	54.94	Pk	35.8	-95.2	-45.72	-50.18	-25	-25.18	V
10.307000	53.90	Pk	37.5	-95.2	-45.84	-49.64	-25	-24.64	H
10.327000	54.61	Pk	37.5	-95.2	-46.06	-49.15	-25	-24.15	V
High Channel, 2640MHz									
5.238500	54.54	Pk	34.4	-95.2	-48.09	-54.35	-25	-29.35	H
5.236500	56.01	Pk	34.4	-95.2	-48.02	-52.81	-25	-27.81	V
7.911000	52.61	Pk	35.9	-95.2	-45.98	-52.67	-25	-27.67	H
7.912000	54.00	Pk	35.9	-95.2	-46.01	-51.31	-25	-26.31	V
10.537500	54.05	Pk	37.6	-95.2	-45.87	-49.42	-25	-24.42	H
10.536500	54.42	Pk	37.6	-95.2	-45.96	-49.14	-25	-24.14	V

5G NR n41 (BPSK 100.0MHZ BANDWIDTH, ANT 1)

Date:	2024-04-02
Test Engineer:	32440
Configuration:	EUT Only
Mode:	FCC FR1 5G NR n41 100MHz BPSK
Chamber #:	05-RDE-B

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, 2546MHz									
5.053500	55.49	Pk	34.1	-95.2	-48.35	-53.96	-25	-28.96	H
5.055500	55.66	Pk	34.1	-95.2	-48.38	-53.82	-25	-28.82	V
7.593000	53.86	Pk	35.8	-95.2	-46.66	-52.20	-25	-27.20	H
7.593000	53.76	Pk	35.8	-95.2	-46.66	-52.30	-25	-27.30	V
10.164000	54.06	Pk	37.4	-95.2	-46.19	-49.93	-25	-24.93	H
10.160500	54.29	Pk	37.4	-95.2	-46.22	-49.73	-25	-24.73	V
Mid Channel, 2593MHz									
5.159000	56.84	Pk	34.3	-95.2	-48.10	-52.16	-25	-27.16	H
5.165500	56.39	Pk	34.3	-95.2	-48.10	-52.61	-25	-27.61	V
7.750500	54.64	Pk	35.9	-95.2	-45.68	-50.34	-25	-25.34	H
7.721500	53.74	Pk	35.9	-95.2	-45.91	-51.47	-25	-26.47	V
10.390500	53.84	Pk	37.6	-95.2	-45.93	-49.69	-25	-24.69	H
10.384000	54.06	Pk	37.6	-95.2	-45.68	-49.22	-25	-24.22	V
High Channel, 2640MHz									
5.250500	55.45	Pk	34.5	-95.2	-48.14	-53.39	-25	-28.39	H
5.250000	55.61	Pk	34.5	-95.2	-48.09	-53.18	-25	-28.18	V
7.909000	54.20	Pk	35.9	-95.2	-45.99	-51.09	-25	-26.09	H
7.909500	52.79	Pk	35.9	-95.2	-46.00	-52.51	-25	-27.51	V
10.569500	54.56	Pk	37.6	-95.2	-45.74	-48.78	-25	-23.78	H
10.562000	54.72	Pk	37.6	-95.2	-45.66	-48.54	-25	-23.54	V

10.1.6. 5G NR n41 (MIMO, FCC)

5G NR n41 (BPSK 100.0MHZ BANDWIDTH, ANT 3+4)

Date:	2025-05-13
Test Engineer:	111411
Configuration:	EUT Only
Mode:	FCC FR1 5G n41 FCC 100MHz BPSK_MIMO
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, 2546MHz									
5.083500	55.93	Pk	34.1	-95.2	-48.05	-53.22	-25	-28.22	H
5.079000	56.65	Pk	34.1	-95.2	-48.10	-52.55	-25	-27.55	V
7.638000	54.82	Pk	35.9	-95.2	-46.10	-50.58	-25	-25.58	H
7.653500	54.06	Pk	35.9	-95.2	-45.90	-51.14	-25	-26.14	V
10.167500	55.32	Pk	37.3	-95.2	-45.35	-47.93	-25	-22.93	H
10.120500	55.19	Pk	37.3	-95.2	-45.90	-48.61	-25	-23.61	V
Mid Channel, 2593MHz									
5.174500	55.19	Pk	34.3	-95.2	-47.65	-53.36	-25	-28.36	H
5.182500	55.38	Pk	34.3	-95.2	-47.55	-53.07	-25	-28.07	V
7.587000	56.25	Pk	35.9	-95.2	-46.20	-49.25	-25	-24.25	H
7.514000	53.93	Pk	35.8	-95.2	-46.00	-51.47	-25	-26.47	V
10.338500	55.45	Pk	37.5	-95.2	-45.25	-47.50	-25	-22.50	H
10.302000	54.89	Pk	37.4	-95.2	-45.10	-48.01	-25	-23.01	V
High Channel, 2640MHz									
5.276500	55.78	Pk	34.5	-95.2	-47.25	-52.17	-25	-27.17	H
5.284000	56.67	Pk	34.5	-95.2	-47.40	-51.43	-25	-26.43	V
7.912000	54.57	Pk	36.0	-95.2	-45.40	-50.03	-25	-25.03	H
7.875500	54.18	Pk	36.0	-95.2	-45.80	-50.82	-25	-25.82	V
10.559000	55.39	Pk	37.6	-95.2	-45.50	-47.71	-25	-22.71	H
10.514500	55.07	Pk	37.6	-95.2	-45.50	-48.03	-25	-23.03	V

5G NR n41 (BPSK 100.0MHZ BANDWIDTH, ANT 3+2)

Date:	2025-05-13
Test Engineer:	111411
Configuration:	EUT Only
Mode:	FCC FR1 5G n41 FCC 100MHz BPSK_MIMO
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, 2546MHz									
5.086000	56.53	Pk	34.1	-95.2	-48.00	-52.57	-25	-27.57	H
5.088000	56.33	Pk	34.1	-95.2	-47.90	-52.67	-25	-27.67	V
7.653500	55.18	Pk	35.9	-95.2	-45.90	-50.02	-25	-25.02	H
7.694500	54.34	Pk	35.9	-95.2	-45.70	-50.66	-25	-25.66	V
10.184000	55.08	Pk	37.3	-95.2	-44.90	-47.72	-25	-22.72	H
10.144000	55.03	Pk	37.3	-95.2	-45.40	-48.27	-25	-23.27	V
Mid Channel, 2593MHz									
5.166000	57.45	Pk	34.2	-95.2	-47.80	-51.35	-25	-26.35	H
5.124500	56.23	Pk	34.2	-95.2	-48.05	-52.82	-25	-27.82	V
7.759500	54.68	Pk	35.9	-95.2	-45.60	-50.22	-25	-25.22	H
7.765500	53.67	Pk	35.9	-95.2	-45.55	-51.18	-25	-26.18	V
10.387500	55.38	Pk	37.5	-95.2	-45.15	-47.47	-25	-22.47	H
10.428500	55.25	Pk	37.6	-95.2	-45.30	-47.65	-25	-22.65	V
High Channel, 2640MHz									
5.273500	56.08	Pk	34.5	-95.2	-47.35	-51.97	-25	-26.97	H
5.264000	56.26	Pk	34.5	-95.2	-47.30	-51.74	-25	-26.74	V
7.934000	53.69	Pk	36.0	-95.2	-45.20	-50.71	-25	-25.71	H
7.959500	53.80	Pk	36.0	-95.2	-44.75	-50.15	-25	-25.15	V
10.577500	54.32	Pk	37.7	-95.2	-45.55	-48.73	-25	-23.73	H
10.545000	55.04	Pk	37.6	-95.2	-45.50	-48.06	-25	-23.06	V

5G NR n41 (BPSK 100.0MHZ BANDWIDTH, ANT 3+1)

Date:	2025-05-14
Test Engineer:	111411
Configuration:	EUT Only
Mode:	FCC FR1 5G n41 FCC 100MHz BPSK_MIMO
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, 2546MHz									
5.068500	56.00	Pk	34.1	-95.2	-48.15	-53.25	-25	-28.25	H
5.097000	57.09	Pk	34.1	-95.2	-47.90	-51.91	-25	-26.91	V
7.620000	56.13	Pk	35.9	-95.2	-46.20	-49.37	-25	-24.37	H
7.492000	55.88	Pk	35.8	-95.2	-45.80	-49.32	-25	-24.32	V
10.209000	54.65	Pk	37.3	-95.2	-44.90	-48.15	-25	-23.15	H
10.191000	54.89	Pk	37.3	-95.2	-44.90	-47.91	-25	-22.91	V
Mid Channel, 2593MHz									
5.182000	55.61	Pk	34.3	-95.2	-47.60	-52.89	-25	-27.89	H
5.185500	56.49	Pk	34.3	-95.2	-47.70	-52.11	-25	-27.11	V
7.779500	53.92	Pk	35.9	-95.2	-45.50	-50.88	-25	-25.88	H
7.805000	54.06	Pk	35.9	-95.2	-45.70	-50.94	-25	-25.94	V
10.322500	54.71	Pk	37.4	-95.2	-45.30	-48.39	-25	-23.39	H
10.333000	54.49	Pk	37.4	-95.2	-45.20	-48.51	-25	-23.51	V
High Channel, 2640MHz									
5.288000	56.55	Pk	34.5	-95.2	-47.60	-51.75	-25	-26.75	H
5.308500	56.62	Pk	34.6	-95.2	-47.70	-51.68	-25	-26.68	V
7.748000	54.65	Pk	35.9	-95.2	-45.30	-49.95	-25	-24.95	H
7.774000	57.64	Pk	35.9	-95.2	-45.60	-47.26	-25	-22.26	V
10.578500	55.21	Pk	37.7	-95.2	-45.55	-47.84	-25	-22.84	H
10.601000	54.86	Pk	37.7	-95.2	-45.50	-48.14	-25	-23.14	V

5G NR n41 (BPSK 100.0MHZ BANDWIDTH, ANT 4+1)

Date:	2025-05-14
Test Engineer:	111411
Configuration:	EUT Only
Mode:	FCC FR1 5G n41 FCC 100MHz BPSK_MIMO
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, 2546MHz									
5.082500	57.51	Pk	34.1	-95.2	-48.00	-51.59	-25	-26.59	H
5.110000	56.18	Pk	34.1	-95.2	-48.00	-52.92	-25	-27.92	V
7.649000	54.29	Pk	35.9	-95.2	-45.90	-50.91	-25	-25.91	H
7.650500	54.24	Pk	35.9	-95.2	-45.95	-51.01	-25	-26.01	V
10.176000	55.36	Pk	37.3	-95.2	-45.10	-47.64	-25	-22.64	H
10.136000	54.85	Pk	37.3	-95.2	-45.50	-48.55	-25	-23.55	V
Mid Channel, 2593MHz									
5.185000	55.99	Pk	34.3	-95.2	-47.70	-52.61	-25	-27.61	H
5.150000	56.45	Pk	34.2	-95.2	-48.10	-52.65	-25	-27.65	V
7.750000	56.19	Pk	35.9	-95.2	-45.40	-48.51	-25	-23.51	H
7.740500	54.56	Pk	35.9	-95.2	-45.25	-49.99	-25	-24.99	V
10.369000	55.51	Pk	37.5	-95.2	-45.50	-47.69	-25	-22.69	H
10.334500	54.78	Pk	37.4	-95.2	-45.25	-48.27	-25	-23.27	V
High Channel, 2640MHz									
5.283500	56.50	Pk	34.5	-95.2	-47.40	-51.60	-25	-26.60	H
5.277500	56.19	Pk	34.5	-95.2	-47.30	-51.81	-25	-26.81	V
7.727000	53.52	Pk	35.9	-95.2	-45.20	-50.98	-25	-25.98	H
7.774000	57.78	Pk	35.9	-95.2	-45.60	-47.12	-25	-22.12	V
10.563000	54.90	Pk	37.7	-95.2	-45.50	-48.10	-25	-23.10	H
10.595000	54.66	Pk	37.7	-95.2	-45.50	-48.34	-25	-23.34	V

5G NR n41 (BPSK 100.0MHZ BANDWIDTH, ANT 2+1)

Date:	2025-07-23
Test Engineer:	45258
Configuration:	EUT Only
Mode:	5G NR n41 100MHz BPSK
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, 2546MHz									
5.091000	57.09	Pk	34.00	-95.2	-49.50	-53.61	-25	-28.61	H
5.090000	56.27	Pk	34.00	-95.2	-49.50	-54.43	-25	-29.43	V
7.639000	54.64	Pk	35.80	-95.2	-47.90	-52.66	-25	-27.66	H
7.638000	54.94	Pk	35.80	-95.2	-48.00	-52.46	-25	-27.46	V
10.182500	55.99	Pk	37.40	-95.2	-47.85	-49.66	-25	-24.66	H
10.183000	55.87	Pk	37.40	-95.2	-47.80	-49.73	-25	-24.73	V
Mid Channel, 2593MHz									
5.185500	55.70	Pk	34.00	-95.2	-49.00	-54.5	-25	-29.50	H
5.188000	56.98	Pk	34.00	-95.2	-49.00	-53.22	-25	-28.22	V
7.774500	55.08	Pk	35.80	-95.2	-47.25	-51.57	-25	-26.57	H
7.778000	55.26	Pk	35.80	-95.2	-47.20	-51.34	-25	-26.34	V
10.374500	54.99	Pk	37.50	-95.2	-47.60	-50.31	-25	-25.31	H
10.370500	54.73	Pk	37.50	-95.2	-47.65	-50.62	-25	-25.62	V
High Channel, 2640MHz									
5.279000	57.09	Pk	34.2	-95.2	-49.00	-52.91	-25	-27.91	H
5.281000	55.97	Pk	34.2	-95.2	-49.10	-54.13	-25	-29.13	V
7.922000	54.64	Pk	35.9	-95.2	-47.00	-51.66	-25	-26.66	H
7.923000	54.55	Pk	35.9	-95.2	-47.00	-51.75	-25	-26.75	V
10.561000	54.75	Pk	37.6	-95.2	-47.20	-50.05	-25	-25.05	H
10.560000	55.34	Pk	37.6	-95.2	-47.20	-49.46	-25	-24.46	V

5G NR n41 (BPSK 100.0MHZ BANDWIDTH, ANT 1+4)

Date:	2025-07-23
Test Engineer:	45258
Configuration:	EUT Only
Mode:	5G NR n41 100MHz BPSK
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, 2546MHz									
5.091500	56.47	Pk	34.00	-95.2	-49.55	-54.28	-25	-29.28	H
5.093000	56.54	Pk	34.00	-95.2	-49.5	-54.16	-25	-29.16	V
7.640500	55.11	Pk	35.80	-95.2	-47.90	-52.19	-25	-27.19	H
7.639000	55.42	Pk	35.80	-95.2	-47.90	-51.88	-25	-26.88	V
10.184000	56.12	Pk	37.40	-95.2	-47.80	-49.48	-25	-24.48	H
10.184500	56.38	Pk	37.40	-95.2	-47.85	-49.27	-25	-24.27	V
Mid Channel, 2593MHz									
5.185500	56.79	Pk	34.00	-95.2	-49.00	-53.41	-25	-28.41	H
5.185500	56.18	Pk	34.00	-95.2	-49.00	-54.02	-25	-29.02	V
7.779000	54.05	Pk	35.80	-95.2	-47.20	-52.55	-25	-27.55	H
7.776000	55.30	Pk	35.80	-95.2	-47.30	-51.40	-25	-26.40	V
10.371000	56.17	Pk	37.50	-95.2	-47.60	-49.13	-25	-24.13	H
10.371500	55.62	Pk	37.50	-95.2	-47.60	-49.68	-25	-24.68	V
High Channel, 2640MHz									
5.281500	55.87	Pk	34.20	-95.2	-49.10	-54.23	-25	-29.23	H
5.283500	56.09	Pk	34.20	-95.2	-49.00	-53.91	-25	-28.91	V
7.918000	54.63	Pk	35.90	-95.2	-47.00	-51.67	-25	-26.67	H
7.921500	54.49	Pk	35.90	-95.2	-47.00	-51.81	-25	-26.81	V
10.555500	55.61	Pk	37.60	-95.2	-47.25	-49.24	-25	-24.24	H
10.559000	54.45	Pk	37.60	-95.2	-47.10	-50.25	-25	-25.25	V

10.1.7. ULCA LTE BAND 41 (FCC)

ULCA LTE BAND 41 (QPSK 20.0MHZ + 20.0MHZ BANDWIDTH, ANT 3)

Date:	2025-07-21
Test Engineer:	45258
Configuration:	EUT Only
Mode:	ULCA B41 FCC 20+20 MHz 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, 2506MHz + 2525.8MHz									
5.032500	56.35	Pk	34	-95.2	-49.3	-54.15	-25	-29.15	H
5.031500	56.28	Pk	34	-95.2	-49.35	-54.27	-25	-29.27	V
7.550000	54.82	Pk	35.7	-95.2	-47.9	-52.58	-25	-27.58	H
7.546500	54.51	Pk	35.7	-95.2	-47.9	-52.89	-25	-27.89	V
10.063500	55.65	Pk	37.3	-95.2	-48	-50.25	-25	-25.25	H
10.065000	54.9	Pk	37.3	-95.2	-47.9	-50.90	-25	-25.90	V
Mid Channel, 2583.1MHz + 2602.9MHz									
5.186000	55.67	Pk	34	-95.2	-49	-54.53	-25	-29.53	H
5.183000	56.51	Pk	34	-95.2	-49.1	-53.79	-25	-28.79	V
7.777000	55.64	Pk	35.8	-95.2	-47.3	-51.06	-25	-26.06	H
7.778500	54.78	Pk	35.8	-95.2	-47.2	-51.82	-25	-26.82	V
10.372000	56.11	Pk	37.5	-95.2	-47.6	-49.19	-25	-24.19	H
10.375000	56.09	Pk	37.5	-95.2	-47.6	-49.21	-25	-24.21	V
High Channel, 2660.2MHz + 2680MHz									
5.345000	56.08	Pk	34.2	-95.2	-49	-53.92	-25	-28.92	H
5.338000	57.05	Pk	34.2	-95.2	-49	-52.95	-25	-27.95	V
8.011250	54.63	Pk	35.9	-95.2	-46.9	-51.57	-25	-26.57	H
8.010000	55.39	Pk	35.9	-95.2	-46.9	-50.81	-25	-25.81	V
10.681500	55.74	Pk	37.7	-95.2	-46.75	-48.51	-25	-23.51	H
10.680000	54.42	Pk	37.7	-95.2	-46.7	-49.78	-25	-24.78	V

ULCA LTE BAND 41 (QPSK 20.0MHZ + 20.0MHZ BANDWIDTH, ANT 4)

Date:	2025-05-01
Test Engineer:	32545
Configuration:	EUT Only
Mode:	ULCA B41 FCC 20+20 MHz 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, 2506MHz + 2525.8MHz									
5.022500	55.94	Pk	34.0	-95.2	-47.95	-53.21	-25	-28.21	H
5.022000	55.91	Pk	34.0	-95.2	-47.90	-53.19	-25	-28.19	V
7.538500	54.62	Pk	35.9	-95.2	-45.95	-50.63	-25	-25.63	H
7.567000	55.89	Pk	35.9	-95.2	-46.00	-49.41	-25	-24.41	V
10.065500	55.33	Pk	37.2	-95.2	-46.05	-48.72	-25	-23.72	H
10.054000	55.52	Pk	37.2	-95.2	-46.20	-48.68	-25	-23.68	V
Mid Channel, 2583.1MHz + 2602.9MHz									
5.189500	56.12	Pk	34.3	-95.2	-47.60	-52.38	-25	-27.38	H
5.187500	56.43	Pk	34.3	-95.2	-47.65	-52.12	-25	-27.12	V
7.784500	54.98	Pk	35.9	-95.2	-45.45	-49.77	-25	-24.77	H
7.768500	55.26	Pk	35.9	-95.2	-45.60	-49.64	-25	-24.64	V
10.368500	56.71	Pk	37.5	-95.2	-45.45	-46.44	-25	-21.44	H
10.347500	55.06	Pk	37.5	-95.2	-45.35	-47.99	-25	-22.99	V
High Channel, 2660.2MHz + 2680MHz									
5.331500	55.76	Pk	34.6	-95.2	-47.60	-52.44	-25	-27.44	H
5.341000	55.53	Pk	34.6	-95.2	-47.60	-52.67	-25	-27.67	V
8.005000	53.15	Pk	36.0	-95.2	-44.90	-50.95	-25	-25.95	H
7.996500	54.17	Pk	36.0	-95.2	-45.00	-50.03	-25	-25.03	V
10.693000	55.04	Pk	37.7	-95.2	-44.70	-47.16	-25	-22.16	H
10.689500	55.36	Pk	37.7	-95.2	-44.85	-46.99	-25	-21.99	V

ULCA LTE BAND 41 (QPSK 20.0MHZ + 20.0MHZ BANDWIDTH, ANT 2)

Date:	2025-07-21
Test Engineer:	45258
Configuration:	EUT Only
Mode:	ULCA B41 FCC 20+20 MHz QPSK
Chamber #:	03-RDE-B

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, 2506MHz + 2525.8MHz									
5.038000	57.41	Pk	34.00	-95.2	-49.20	-52.99	-25	-27.99	H
5.033000	56.03	Pk	34.00	-95.2	-49.30	-54.47	-25	-29.47	V
7.550000	54.48	Pk	35.70	-95.2	-47.90	-52.92	-25	-27.92	H
7.548500	53.79	Pk	35.70	-95.2	-47.90	-53.61	-25	-28.61	V
10.067000	56.43	Pk	37.30	-95.2	-48.00	-49.47	-25	-24.47	H
10.064500	55.06	Pk	37.30	-95.2	-47.95	-50.79	-25	-25.79	V
Mid Channel, 2583.1MHz + 2602.9MHz									
5.186500	54.92	Pk	34	-95.2	-49	-55.28	-25	-30.28	H
5.185500	55.71	Pk	34	-95.2	-49	-54.49	-25	-29.49	V
7.779500	55.51	Pk	35.8	-95.2	-47.2	-51.09	-25	-26.09	H
7.782500	55.25	Pk	35.8	-95.2	-47.25	-51.40	-25	-26.40	V
10.374000	55.47	Pk	37.5	-95.2	-47.6	-49.83	-25	-24.83	H
10.372000	54.56	Pk	37.5	-95.2	-47.6	-50.74	-25	-25.74	V
High Channel, 2660.2MHz + 2680MHz									
5.340500	56.24	Pk	34.2	-95.2	-49.1	-53.86	-25	-28.86	H
5.340500	55.93	Pk	34.2	-95.2	-49.1	-54.17	-25	-29.17	V
8.017000	55.53	Pk	35.9	-95.2	-47	-50.77	-25	-25.77	H
8.015000	54.52	Pk	35.9	-95.2	-47	-51.78	-25	-26.78	V
10.678500	54.4	Pk	37.7	-95.2	-46.7	-49.80	-25	-24.80	H
10.685000	56.52	Pk	37.7	-95.2	-46.8	-47.78	-25	-22.78	V

ULCA LTE BAND 41 (QPSK 20.0MHZ + 20.0MHZ BANDWIDTH, ANT 1)

Date:	2025-05-02
Test Engineer:	32545
Configuration:	EUT Only
Mode:	ULCA B41 FCC 20+20 MHz 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, 2506MHz + 2525.8MHz									
5.042500	56.19	Pk	34.0	-95.2	-47.90	-52.91	-25	-27.91	H
5.010500	56.00	Pk	34.0	-95.2	-47.85	-53.05	-25	-28.05	V
7.541000	54.10	Pk	35.9	-95.2	-46.00	-51.20	-25	-26.20	H
7.562500	54.20	Pk	35.9	-95.2	-46.05	-51.15	-25	-26.15	V
10.079000	55.24	Pk	37.2	-95.2	-46.20	-48.96	-25	-23.96	H
10.065500	55.94	Pk	37.2	-95.2	-46.05	-48.11	-25	-23.11	V
Mid Channel, 2583.1MHz + 2602.9MHz									
5.183500	55.07	Pk	34.3	-95.2	-47.55	-53.38	-25	-28.38	H
5.193000	56.75	Pk	34.3	-95.2	-47.60	-51.75	-25	-26.75	V
7.703500	54.82	Pk	35.9	-95.2	-45.65	-50.13	-25	-25.13	H
7.722000	58.27	Pk	35.9	-95.2	-45.30	-46.33	-25	-21.33	V
10.373000	55.33	Pk	37.5	-95.2	-45.40	-47.77	-25	-22.77	H
10.393000	55.59	Pk	37.5	-95.2	-44.90	-47.01	-25	-22.01	V
High Channel, 2660.2MHz + 2680MHz									
5.328500	56.51	Pk	34.6	-95.2	-47.70	-51.79	-25	-26.79	H
5.328500	56.35	Pk	34.6	-95.2	-47.70	-51.95	-25	-26.95	V
8.010000	54.29	Pk	36.0	-95.2	-44.90	-49.81	-25	-24.81	H
7.996500	54.27	Pk	36.0	-95.2	-45.00	-49.93	-25	-24.93	V
10.672500	54.62	Pk	37.7	-95.2	-45.05	-47.93	-25	-22.93	H
10.695000	54.48	Pk	37.7	-95.2	-44.60	-47.62	-25	-22.62	V

10.1.8. LTE BAND 41 (IC)

LTE BAND 41 (QPSK 20.0MHZ BANDWIDTH, ANT 3)

Date:	2025-06-03
Test Engineer:	28571
Configuration:	EUT Only
Mode:	IC LTE B41 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,2510MHz									
4.990500	57.89	Pk	33.9	-95.2	-49.00	-52.41	-25	-27.41	H
4.993000	56.03	Pk	34.0	-95.2	-49.00	-54.17	-25	-29.17	V
7.521000	55.95	Pk	35.7	-95.2	-47.80	-51.35	-25	-26.35	H
7.519000	55.93	Pk	35.7	-95.2	-47.80	-51.37	-25	-26.37	V
10.045000	56.62	Pk	37.3	-95.2	-48.00	-49.28	-25	-24.28	H
10.037000	55.67	Pk	37.2	-95.2	-47.90	-50.23	-25	-25.23	V
Mid Channel,2595MHz									
5.196000	56.38	Pk	34.1	-95.2	-49.00	-53.72	-25	-28.72	H
5.198000	56.92	Pk	34.1	-95.2	-49.00	-53.18	-25	-28.18	V
7.765000	57.54	Pk	35.8	-95.2	-47.20	-49.06	-25	-24.06	H
7.749500	56.27	Pk	35.8	-95.2	-47.05	-50.18	-25	-25.18	V
10.403500	56.26	Pk	37.5	-95.2	-47.30	-48.74	-25	-23.74	H
10.407000	56.69	Pk	37.5	-95.2	-47.30	-48.31	-25	-23.31	V
High Channel,2680MHz									
5.375000	56.03	Pk	34.3	-95.2	-48.90	-53.77	-25	-28.77	H
5.387500	56.47	Pk	34.3	-95.2	-48.95	-53.38	-25	-28.38	V
8.062000	54.33	Pk	35.9	-95.2	-47.20	-52.17	-25	-27.17	H
8.061000	55.55	Pk	35.9	-95.2	-47.20	-50.95	-25	-25.95	V
10.723000	54.87	Pk	37.7	-95.2	-46.70	-49.33	-25	-24.33	H
10.693000	55.63	Pk	37.7	-95.2	-46.60	-48.47	-25	-23.47	V

LTE BAND 41 (QPSK 20.0MHZ BANDWIDTH, ANT 4)

Date:	2025-04-09
Test Engineer:	32440
Configuration:	EUT Only
Mode:	IC LTE B41 20MHz QPSK
Chamber #:	05-RDE-B

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,2510MHz									
4.9625	57.42	Pk	34.1	-95.2	-48.27	-51.95	-25	-26.95	H
4.9675	56.46	Pk	34.1	-95.2	-48.39	-53.03	-25	-28.03	V
7.4935	54.03	Pk	35.7	-95.2	-46.7	-52.17	-25	-27.17	H
7.4915	57.9	Pk	35.7	-95.2	-46.72	-48.32	-25	-23.32	V
9.999	53.96	Pk	37.2	-95.2	-45.34	-49.38	-25	-24.38	H
9.9815	54.15	Pk	37.2	-95.2	-45.36	-49.21	-25	-24.21	V
Mid Channel,2595MHz									
5.1565	54.94	Pk	34.3	-95.2	-48.02	-53.98	-25	-28.98	H
5.157	55.17	Pk	34.3	-95.2	-47.98	-53.71	-25	-28.71	V
7.745	54.58	Pk	35.9	-95.2	-45.72	-50.44	-25	-25.44	H
7.752	57.3	Pk	35.9	-95.2	-45.5	-47.50	-25	-22.50	V
10.341	54.47	Pk	37.5	-95.2	-45.92	-49.15	-25	-24.15	H
10.3485	54.2	Pk	37.5	-95.2	-46.02	-49.52	-25	-24.52	V
High Channel,2680MHz									
5.334	56.25	Pk	34.6	-95.2	-47.93	-52.28	-25	-27.28	H
5.3295	56.24	Pk	34.6	-95.2	-47.78	-52.14	-25	-27.14	V
8.0135	54.24	Pk	35.9	-95.2	-45.64	-50.70	-25	-25.70	H
8.0135	59.32	Pk	35.9	-95.2	-45.64	-45.62	-25	-20.62	V
10.6835	54.48	Pk	37.7	-95.2	-45.47	-48.49	-25	-23.49	H
10.6675	53.19	Pk	37.7	-95.2	-45.37	-49.68	-25	-24.68	V

LTE BAND 41 (QPSK 20.0MHZ BANDWIDTH, ANT 2)

Date:	2025-06-23
Test Engineer:	111616
Configuration:	EUT Only
Mode:	IC LTE B41 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,2510MHz									
5.040000	55.90	Pk	34.00	-95.2	-47.90	-53.20	-25	-28.20	H
5.033500	56.68	Pk	34.00	-95.2	-47.80	-52.32	-25	-27.32	V
7.545000	53.91	Pk	35.90	-95.2	-45.50	-50.89	-25	-25.89	H
7.550000	53.99	Pk	35.90	-95.2	-45.60	-50.91	-25	-25.91	V
10.047000	54.96	Pk	37.20	-95.2	-45.90	-48.94	-25	-23.94	H
10.053500	56.40	Pk	37.20	-95.2	-45.95	-47.55	-25	-22.55	V
Mid Channel,2595MHz									
5.196000	56.59	Pk	34.30	-95.2	-47.10	-51.41	-25	-26.41	H
5.205500	55.59	Pk	34.30	-95.2	-47.20	-52.51	-25	-27.51	V
7.770500	54.41	Pk	35.90	-95.2	-45.40	-50.29	-25	-25.29	H
7.769000	54.30	Pk	35.90	-95.2	-45.40	-50.40	-25	-25.40	V
10.365500	55.31	Pk	37.50	-95.2	-44.95	-47.34	-25	-22.34	H
10.381500	55.11	Pk	37.50	-95.2	-45.20	-47.79	-25	-22.79	V
High Channel,2680MHz									
* 5.377500	56.22	Pk	34.60	-95.2	-47.40	-51.78	-25	-26.78	H
* 5.354500	55.90	Pk	34.60	-95.2	-47.25	-51.95	-25	-26.95	V
* 8.048500	55.34	Pk	36.00	-95.2	-45.10	-48.96	-25	-23.96	H
* 8.036000	54.63	Pk	36.00	-95.2	-45.10	-49.67	-25	-24.67	V
* 10.732000	53.69	Pk	37.70	-95.2	-44.40	-48.21	-25	-23.21	H
* 10.699500	53.62	Pk	37.70	-95.2	-44.40	-48.28	-25	-23.28	V

LTE BAND 41 (QPSK 20.0MHZ BANDWIDTH, ANT 1)

Date:	2025-06-23
Test Engineer:	111616
Configuration:	EUT Only
Mode:	IC LTE B41 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,2510MHz									
5.022000	56.50	Pk	34.00	-95.2	-48.00	-52.70	-25	-27.70	H
5.001000	55.76	Pk	34.00	-95.2	-47.70	-53.14	-25	-28.14	V
7.512000	54.41	Pk	35.80	-95.2	-45.90	-50.89	-25	-25.89	H
7.495000	54.64	Pk	35.80	-95.2	-46.00	-50.76	-25	-25.76	V
10.010000	55.62	Pk	37.20	-95.2	-45.90	-48.28	-25	-23.28	H
10.011000	55.51	Pk	37.20	-95.2	-45.90	-48.39	-25	-23.39	V
Mid Channel,2595MHz									
5.184500	56.03	Pk	34.30	-95.2	-47.40	-52.27	-25	-27.27	H
5.206000	55.53	Pk	34.30	-95.2	-47.20	-52.57	-25	-27.57	V
7.799500	54.95	Pk	35.90	-95.2	-45.55	-49.90	-25	-24.90	H
7.760000	54.59	Pk	35.90	-95.2	-45.40	-50.11	-25	-25.11	V
10.368500	55.04	Pk	37.50	-95.2	-45.10	-47.76	-25	-22.76	H
10.353500	54.66	Pk	37.50	-95.2	-45.00	-48.04	-25	-23.04	V
High Channel,2680MHz									
5.366500	56.79	Pk	34.60	-95.2	-47.35	-51.16	-25	-26.16	H
5.356500	55.53	Pk	34.60	-95.2	-47.30	-52.37	-25	-27.37	V
8.057500	54.20	Pk	36.00	-95.2	-45.10	-50.10	-25	-25.10	H
8.045500	55.02	Pk	36.00	-95.2	-45.10	-49.28	-25	-24.28	V
10.695000	54.17	Pk	37.70	-95.2	-44.60	-47.93	-25	-22.93	H
10.744000	53.78	Pk	37.70	-95.2	-44.20	-47.92	-25	-22.92	V

10.1.9. 5G NR n41 (SISO, IC)

5G NR n41 (BPSK 100.0MHZ BANDWIDTH, ANT 3)

Date:	2025-03-26
Test Engineer:	32440
Configuration:	EUT Only
Mode:	IC 5G NR n41 100MHz BPSK
Chamber #:	05-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel,2550MHz									
5.088500	57.11	Pk	34.0	-95.2	-49.50	-53.59	-25	-28.59	H
5.091500	57.00	Pk	34.0	-95.2	-49.55	-53.75	-25	-28.75	V
7.491500	56.88	Pk	35.7	-95.2	-47.85	-50.47	-25	-25.47	H
7.492500	60.12	Pk	35.7	-95.2	-47.85	-47.23	-25	-22.23	V
10.183500	55.84	Pk	37.4	-95.2	-47.80	-49.76	-25	-24.76	H
10.184500	56.36	Pk	37.4	-95.2	-47.85	-49.29	-25	-24.29	V
Mid Channel,2595MHz									
5.176000	54.77	Pk	34.3	-95.2	-48.14	-54.27	-25	-29.27	H
5.174000	56.08	Pk	34.3	-95.2	-48.26	-53.08	-25	-28.08	V
7.774500	52.80	Pk	35.9	-95.2	-45.53	-52.03	-25	-27.03	H
7.776500	54.00	Pk	35.9	-95.2	-45.66	-50.96	-25	-25.96	V
10.354500	53.49	Pk	37.5	-95.2	-45.84	-50.05	-25	-25.05	H
10.358000	52.78	Pk	37.5	-95.2	-45.88	-50.80	-25	-25.80	V
High Channel,2640MHz									
5.267500	55.92	Pk	34.5	-95.2	-48.06	-52.84	-25	-27.84	H
5.268500	55.74	Pk	34.5	-95.2	-48.07	-53.03	-25	-28.03	V
7.910000	53.58	Pk	35.9	-95.2	-46.00	-51.72	-25	-26.72	H
7.908000	53.50	Pk	35.9	-95.2	-46.15	-51.95	-25	-26.95	V
10.554500	53.46	Pk	37.6	-95.2	-45.74	-49.88	-25	-24.88	H
10.556000	53.66	Pk	37.6	-95.2	-45.64	-49.58	-25	-24.58	V

5G NR n41 (BPSK 100.0MHZ BANDWIDTH, ANT 4)

Date:	2025-03-31
Test Engineer:	32440
Configuration:	EUT Only
Mode:	IC 5G NR n41 100MHz BPSK
Chamber #:	05-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel,2550MHz									
5.076500	56.13	Pk	34.2	-95.2	-48.36	-53.23	-25	-28.23	H
5.062500	56.67	Pk	34.1	-95.2	-48.26	-52.69	-25	-27.69	V
7.527500	54.69	Pk	35.7	-95.2	-46.85	-51.66	-25	-26.66	H
7.502500	57.77	Pk	35.7	-95.2	-46.91	-48.64	-25	-23.64	V
10.178000	55.66	Pk	37.4	-95.2	-46.16	-48.30	-25	-23.30	H
10.161500	54.96	Pk	37.4	-95.2	-46.21	-49.05	-25	-24.05	V
Mid Channel,2595MHz									
5.229000	55.97	Pk	34.4	-95.2	-48.07	-52.90	-25	-27.90	H
5.231500	56.32	Pk	34.4	-95.2	-48.12	-52.60	-25	-27.60	V
7.897000	53.69	Pk	35.9	-95.2	-46.16	-51.77	-25	-26.77	H
7.895000	52.70	Pk	35.9	-95.2	-46.09	-52.69	-25	-27.69	V
10.534000	53.69	Pk	37.6	-95.2	-45.86	-49.77	-25	-24.77	H
10.534000	53.99	Pk	37.6	-95.2	-45.86	-49.47	-25	-24.47	V
High Channel,2640MHz									
5.255000	55.11	Pk	34.5	-95.2	-48.05	-53.64	-25	-28.64	H
5.259500	56.19	Pk	34.5	-95.2	-48.08	-52.59	-25	-27.59	V
7.910500	53.77	Pk	35.9	-95.2	-45.99	-51.52	-25	-26.52	H
7.909500	53.51	Pk	35.9	-95.2	-46.00	-51.79	-25	-26.79	V
10.537500	54.45	Pk	37.6	-95.2	-45.87	-49.02	-25	-24.02	H
10.537500	54.04	Pk	37.6	-95.2	-45.87	-49.43	-25	-24.43	V

5G NR n41 (BPSK 100.0MHZ BANDWIDTH, ANT 2)

Date:	2025-04-01
Test Engineer:	32440
Configuration:	EUT Only
Mode:	IC 5G NR n41 100MHz BPSK
Chamber #:	05-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel,2550MHz									
5.060000	55.91	Pk	34.1	-95.2	-48.45	-53.64	-25	-28.64	H
5.061500	55.07	Pk	34.1	-95.2	-48.27	-54.30	-25	-29.30	V
7.636000	54.10	Pk	35.8	-95.2	-46.39	-51.69	-25	-26.69	H
7.641000	54.20	Pk	35.8	-95.2	-46.40	-51.60	-25	-26.60	V
10.112500	54.93	Pk	37.3	-95.2	-46.14	-49.11	-25	-24.11	H
10.124500	55.74	Pk	37.3	-95.2	-46.00	-48.16	-25	-23.16	V
Mid Channel,2595MHz									
5.177500	55.79	Pk	34.3	-95.2	-48.03	-53.14	-25	-28.14	H
5.155500	55.23	Pk	34.3	-95.2	-48.01	-53.68	-25	-28.68	V
7.742500	54.17	Pk	35.9	-95.2	-45.73	-50.86	-25	-25.86	H
7.746000	53.45	Pk	35.9	-95.2	-45.65	-51.50	-25	-26.50	V
10.354500	54.12	Pk	37.5	-95.2	-45.84	-49.42	-25	-24.42	H
10.343500	55.26	Pk	37.5	-95.2	-45.92	-48.36	-25	-23.36	V
High Channel,2640MHz									
5.246000	55.01	Pk	34.5	-95.2	-48.07	-53.76	-25	-28.76	H
5.249000	55.15	Pk	34.5	-95.2	-48.15	-53.70	-25	-28.70	V
7.883500	53.69	Pk	35.9	-95.2	-46.17	-51.78	-25	-26.78	H
7.884500	53.14	Pk	35.9	-95.2	-46.11	-52.27	-25	-27.27	V
10.533500	53.43	Pk	37.6	-95.2	-45.88	-50.05	-25	-25.05	H
10.532500	53.95	Pk	37.6	-95.2	-45.86	-49.51	-25	-24.51	V

5G NR n41 (BPSK 100.0MHZ BANDWIDTH, ANT 1)

Date:	2025-04-02
Test Engineer:	32440
Configuration:	EUT Only
Mode:	IC 5G NR n41 100MHz BPSK
Chamber #:	05-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	226672 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel,2550MHz									
5.073000	56.01	Pk	34.2	-95.2	-48.37	-53.36	-25	-28.36	H
5.058500	56.46	Pk	34.1	-95.2	-48.33	-52.97	-25	-27.97	V
7.646000	54.21	Pk	35.8	-95.2	-46.37	-51.56	-25	-26.56	H
7.637000	54.31	Pk	35.8	-95.2	-46.40	-51.49	-25	-26.49	V
10.163000	55.36	Pk	37.4	-95.2	-46.17	-48.61	-25	-23.61	H
10.178000	55.34	Pk	37.4	-95.2	-46.16	-48.62	-25	-23.62	V
Mid Channel,2595MHz									
5.149500	56.30	Pk	34.3	-95.2	-48.18	-52.78	-25	-27.78	H
5.154500	55.76	Pk	34.3	-95.2	-48.04	-53.18	-25	-28.18	V
7.739000	54.75	Pk	35.9	-95.2	-45.82	-50.37	-25	-25.37	H
7.771000	54.22	Pk	35.9	-95.2	-45.45	-50.53	-25	-25.53	V
10.358000	53.66	Pk	37.5	-95.2	-45.88	-49.92	-25	-24.92	H
10.355500	54.00	Pk	37.5	-95.2	-45.92	-49.62	-25	-24.62	V
High Channel,2640MHz									
5.251500	57.01	Pk	34.5	-95.2	-48.12	-51.81	-25	-26.81	H
5.230500	57.41	Pk	34.4	-95.2	-48.12	-51.51	-25	-26.51	V
7.896500	54.29	Pk	35.9	-95.2	-46.13	-51.14	-25	-26.14	H
7.902000	54.24	Pk	35.9	-95.2	-46.11	-51.17	-25	-26.17	V
10.530000	54.26	Pk	37.6	-95.2	-45.92	-49.26	-25	-24.26	H
10.550000	54.49	Pk	37.6	-95.2	-45.86	-48.97	-25	-23.97	V

10.1.10. ULCA LTE BAND 41 (IC)

ULCA LTE BAND 41 (QPSK 20.0MHZ + 20.0MHZ BANDWIDTH, ANT 3)

Date:	2025-07-20
Test Engineer:	45258
Configuration:	EUT Only
Mode:	IC ULCA B41 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, 2510MHz + 2529.8MHz									
5.039500	56.88	Pk	34.00	-95.2	-49.25	-53.57	-25	-28.57	H
5.039500	56.32	Pk	34.00	-95.2	-49.25	-54.13	-25	-29.13	V
7.555000	55.23	Pk	35.70	-95.2	-47.90	-52.17	-25	-27.17	H
7.560500	55.91	Pk	35.70	-95.2	-47.95	-51.54	-25	-26.54	V
10.079000	55.63	Pk	37.30	-95.2	-48.10	-50.37	-25	-25.37	H
10.084500	56.67	Pk	37.30	-95.2	-48.15	-49.38	-25	-24.38	V
Mid Channel, 2585.1MHz + 2604.9MHz									
5.190000	55.35	Pk	34.00	-95.2	-49.00	-54.85	-25	-29.85	H
5.192000	56.08	Pk	34.00	-95.2	-49.00	-54.12	-25	-29.12	V
7.786500	55.12	Pk	35.80	-95.2	-47.25	-51.53	-25	-26.53	H
7.785000	56.77	Pk	35.80	-95.2	-47.20	-49.83	-25	-24.83	V
10.381000	55.76	Pk	37.50	-95.2	-47.60	-49.54	-25	-24.54	H
10.383500	57.1	Pk	37.50	-95.2	-47.55	-48.15	-25	-23.15	V
High Channel, 2660.2MHz + 2680MHz									
5.341000	56.48	Pk	34.20	-95.2	-49.10	-53.62	-25	-28.62	H
5.340000	55.56	Pk	34.20	-95.2	-49.10	-54.54	-25	-29.54	V
8.012000	54.91	Pk	35.90	-95.2	-46.90	-51.29	-25	-26.29	H
8.013000	54.74	Pk	35.90	-95.2	-46.90	-51.46	-25	-26.46	V
10.679000	54.58	Pk	37.70	-95.2	-46.70	-49.62	-25	-24.62	H
10.681000	54.36	Pk	37.70	-95.2	-46.80	-49.94	-25	-24.94	V

ULCA LTE BAND 41 (QPSK 20.0MHZ + 20.0MHZ BANDWIDTH, ANT 4)

Date:	2025-05-01
Test Engineer:	32545
Configuration:	EUT Only
Mode:	IC ULCA B41 20+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, 2510MHz + 2529.8MHz									
5.042000	56.14	Pk	34.0	-95.2	-47.90	-52.96	-25	-27.96	H
5.043000	55.85	Pk	34.0	-95.2	-47.90	-53.25	-25	-28.25	V
7.552000	54.32	Pk	35.9	-95.2	-46.00	-50.98	-25	-25.98	H
7.556500	54.90	Pk	35.9	-95.2	-46.00	-50.40	-25	-25.40	V
10.085000	55.43	Pk	37.3	-95.2	-45.90	-48.37	-25	-23.37	H
10.061000	56.05	Pk	37.2	-95.2	-46.20	-48.15	-25	-23.15	V
Mid Channel, 2585.1MHz + 2604.9MHz									
5.200500	55.20	Pk	34.3	-95.2	-47.65	-53.35	-25	-28.35	H
5.186000	56.23	Pk	34.3	-95.2	-47.70	-52.37	-25	-27.37	V
7.687500	54.42	Pk	35.9	-95.2	-45.85	-50.73	-25	-25.73	H
7.692500	56.81	Pk	35.9	-95.2	-45.70	-48.19	-25	-23.19	V
10.404500	55.05	Pk	37.5	-95.2	-44.95	-47.60	-25	-22.60	H
10.404000	55.19	Pk	37.5	-95.2	-45.00	-47.51	-25	-22.51	V
High Channel, 2660.2MHz + 2680MHz									
5.326500	56.05	Pk	34.6	-95.2	-47.60	-52.15	-25	-27.15	H
5.327000	55.98	Pk	34.6	-95.2	-47.60	-52.22	-25	-27.22	V
7.994500	54.87	Pk	36.0	-95.2	-45.00	-49.33	-25	-24.33	H
8.014000	54.05	Pk	36.0	-95.2	-45.00	-50.15	-25	-25.15	V
10.685500	55.01	Pk	37.7	-95.2	-44.80	-47.29	-25	-22.29	H
10.670500	54.02	Pk	37.7	-95.2	-45.05	-48.53	-25	-23.53	V

ULCA LTE BAND 41 (QPSK 20.0MHZ + 20.0MHZ BANDWIDTH, ANT 2)

Date:	2025-07-23
Test Engineer:	45258
Configuration:	EUT Only
Mode:	IC ULCA B41 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, 2510MHz + 2529.8MHz									
5.042500	57.19	Pk	34.00	-95.2	-49.45	-53.46	-25	-28.46	H
5.039000	56.27	Pk	34.00	-95.2	-49.20	-54.13	-25	-29.13	V
7.561500	54.9	Pk	35.70	-95.2	-48.00	-52.60	-25	-27.60	H
7.559000	54.5	Pk	35.70	-95.2	-47.90	-52.90	-25	-27.90	V
10.078500	54.74	Pk	37.30	-95.2	-48.10	-51.26	-25	-26.26	H
10.077000	56.34	Pk	37.30	-95.2	-48.10	-49.66	-25	-24.66	V
Mid Channel, 2585.1MHz + 2604.9MHz									
5.191000	55.20	Pk	34.00	-95.2	-49.00	-55.00	-25	-30.00	H
5.190500	56.51	Pk	34.00	-95.2	-49.00	-53.69	-25	-28.69	V
7.786000	54.74	Pk	35.80	-95.2	-47.20	-51.86	-25	-26.86	H
7.786500	55.48	Pk	35.80	-95.2	-47.25	-51.17	-25	-26.17	V
10.383500	55.25	Pk	37.50	-95.2	-47.55	-50.00	-25	-25.00	H
10.382500	55.44	Pk	37.50	-95.2	-47.60	-49.86	-25	-24.86	V
High Channel, 2660.2MHz + 2680MHz									
5.345500	57.06	Pk	34.20	-95.2	-49.00	-52.94	-25	-27.94	H
5.339000	56.41	Pk	34.20	-95.2	-49.00	-53.59	-25	-28.59	V
8.012000	54.23	Pk	35.90	-95.2	-46.90	-51.97	-25	-26.97	H
8.007500	56.34	Pk	35.90	-95.2	-46.90	-49.86	-25	-24.86	V
10.688000	56.86	Pk	37.70	-95.2	-46.60	-47.24	-25	-22.24	H
10.682000	55.74	Pk	37.70	-95.2	-46.70	-48.46	-25	-23.46	V

ULCA LTE BAND 41 (QPSK 20.0MHZ + 20.0MHZ BANDWIDTH, ANT 1)

Date:	2025-07-23
Test Engineer:	45258
Configuration:	EUT Only
Mode:	IC ULCA B41 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, 2510MHz + 2529.8MHz									
5.040000	56.2	Pk	34.00	-95.2	-49.3	-54.3	-25	-29.3	H
5.038000	56.62	Pk	34.00	-95.2	-49.2	-53.78	-25	-28.78	V
7.560000	55.28	Pk	35.70	-95.2	-47.9	-52.12	-25	-27.12	H
7.559000	55.55	Pk	35.70	-95.2	-47.9	-51.85	-25	-26.85	V
10.080000	54.98	Pk	37.30	-95.2	-48.2	-51.12	-25	-26.12	H
10.079500	55.73	Pk	37.30	-95.2	-48.15	-50.32	-25	-25.32	V
Mid Channel, 2585.1MHz + 2604.9MHz									
5.348000	57.01	Pk	34.20	-95.2	-48.90	-52.89	-25	-27.89	H
5.338000	56.18	Pk	34.20	-95.2	-49.00	-53.82	-25	-28.82	V
8.009500	55.85	Pk	35.90	-95.2	-46.85	-50.3	-25	-25.30	H
8.008000	54.23	Pk	35.90	-95.2	-46.90	-51.97	-25	-26.97	V
10.678500	55.29	Pk	37.70	-95.2	-46.70	-48.91	-25	-23.91	H
10.680500	55.16	Pk	37.70	-95.2	-46.75	-49.09	-25	-24.09	V
High Channel, 2660.2MHz + 2680MHz									
5.341500	56.47	Pk	34.20	-95.2	-49.05	-53.58	-25	-28.58	H
5.339500	55.75	Pk	34.20	-95.2	-49.05	-54.3	-25	-29.30	V
8.010500	54.27	Pk	35.90	-95.2	-46.90	-51.93	-25	-26.93	H
8.011500	54.19	Pk	35.90	-95.2	-46.90	-52.01	-25	-27.01	V
10.675500	55.71	Pk	37.70	-95.2	-46.75	-48.54	-25	-23.54	H
10.677500	55.17	Pk	37.70	-95.2	-46.70	-49.03	-25	-24.03	V

11. SETUP PHOTOS

Refer to 15496249-EP1V1 for setup photos.

END OF REPORT