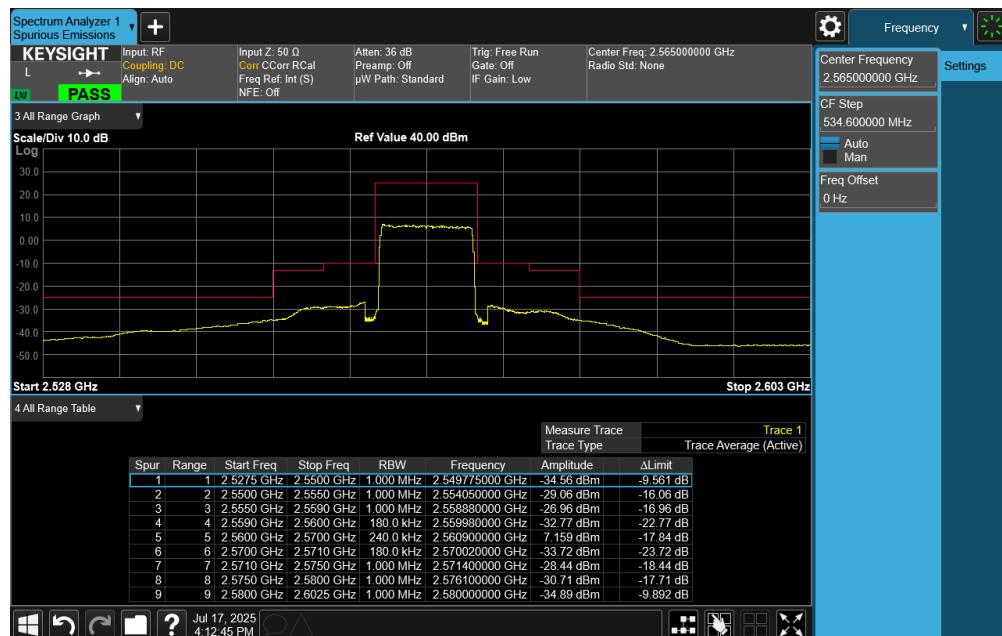




Plot 7-88. Middle ACP Plot (LTE Band 7 - 10MHz QPSK – Full RB)



Plot 7-89. Upper ACP Plot (LTE Band 7 - 10MHz QPSK – Full RB)

FCC ID: BCG-A3337	element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch	Page 65 of 110	

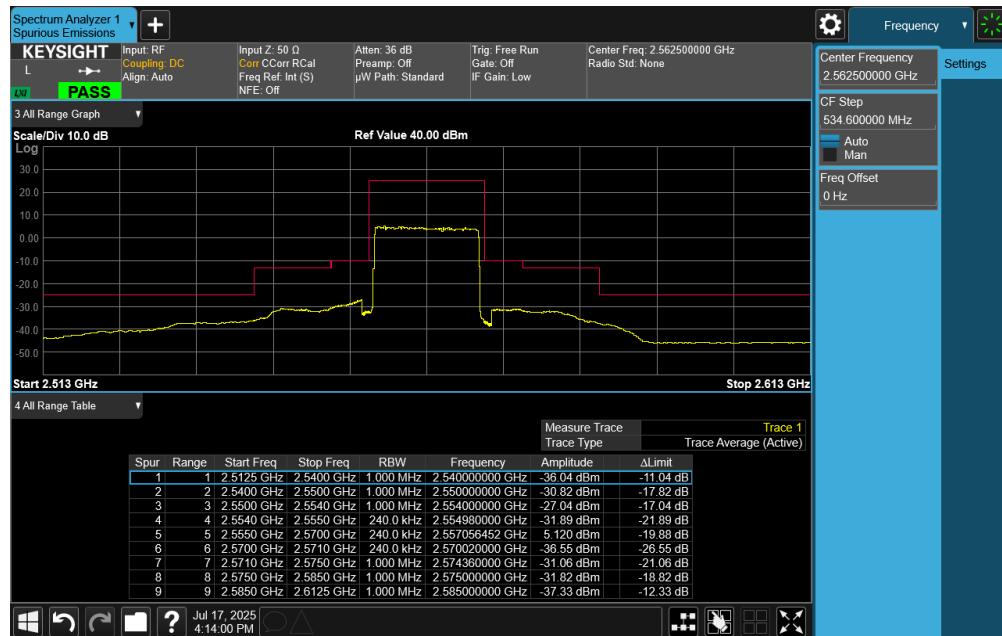


Plot 7-90. Lower ACP Plot (LTE Band 7 - 15MHz QPSK – Full RB)

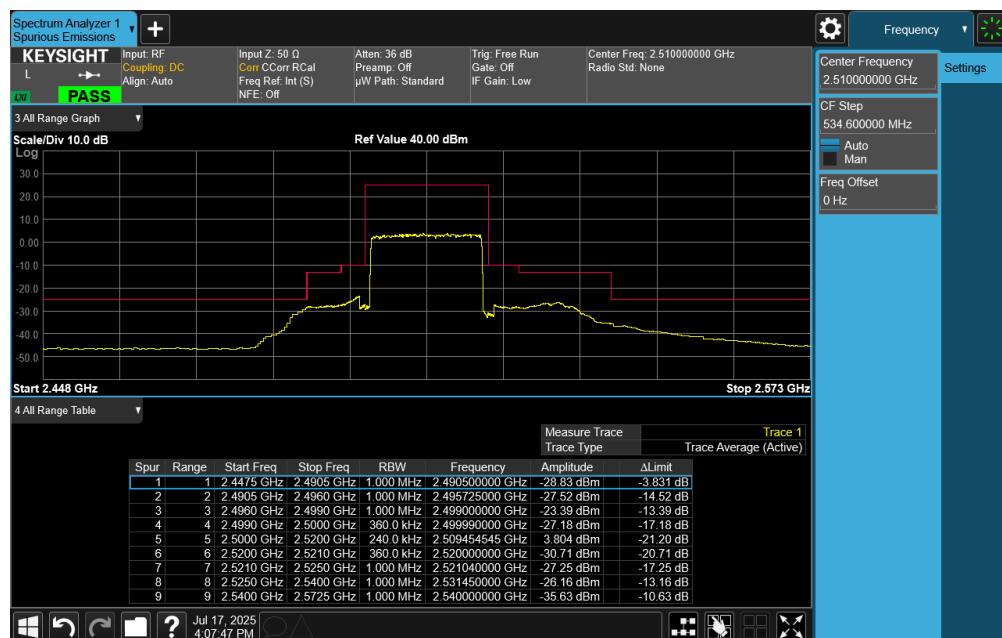


Plot 7-91. Middle ACP Plot (LTE Band 7 - 15MHz QPSK – Full RB)

FCC ID: BCG-A3337	element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch		Page 66 of 110



Plot 7-92. Upper ACP Plot (LTE Band 7 - 15MHz QPSK – Full RB)



Plot 7-93. Lower ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB)

FCC ID: BCG-A3337	element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch		Page 67 of 110



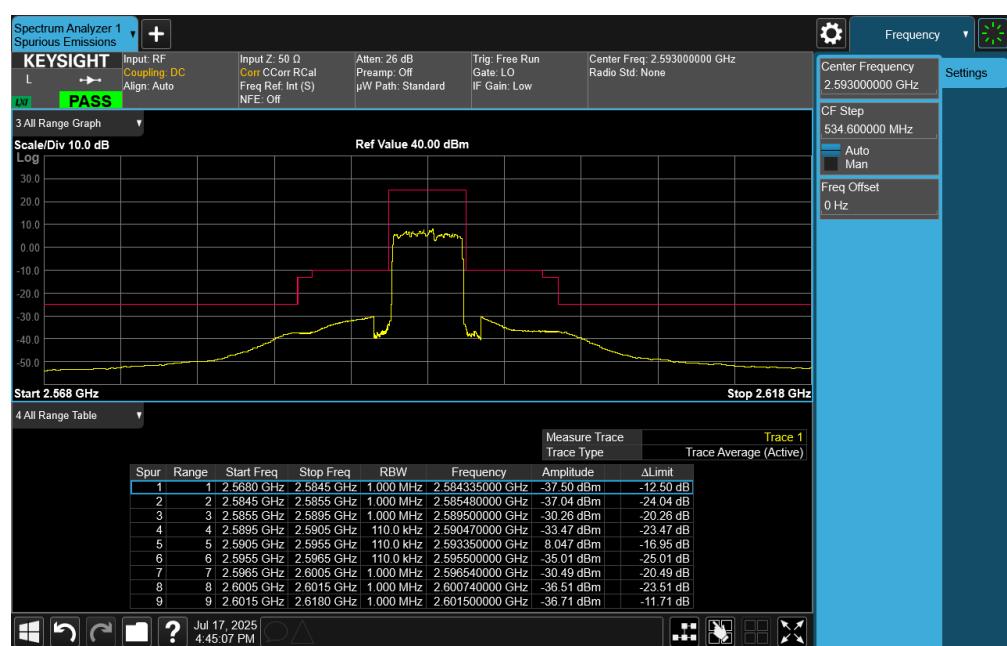
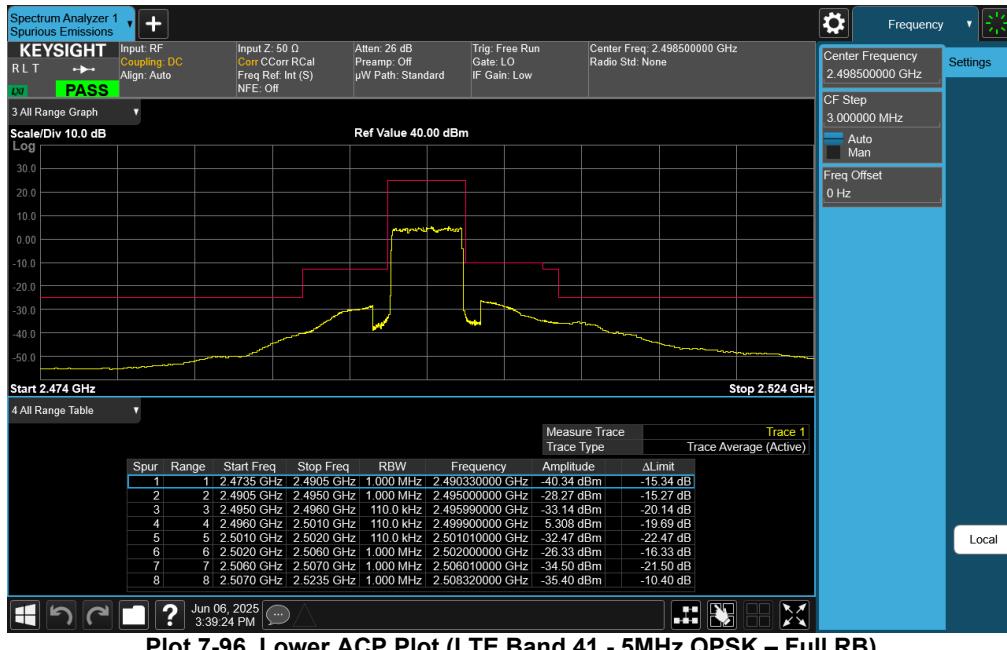
Plot 7-94. Middle ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB)



Plot 7-95. Upper ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB)

FCC ID: BCG-A3337	element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch		Page 68 of 110

LTE Band 41



FCC ID: BCG-A3337	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch	Page 69 of 110

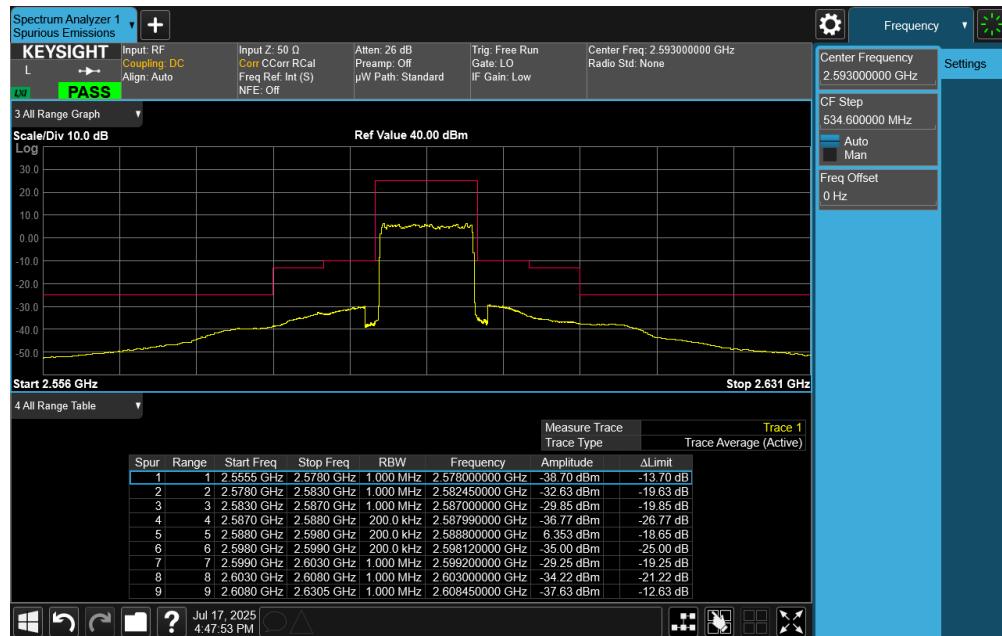


Plot 7-98. Upper ACP Plot (LTE Band 41 - 5MHz QPSK – Full RB)

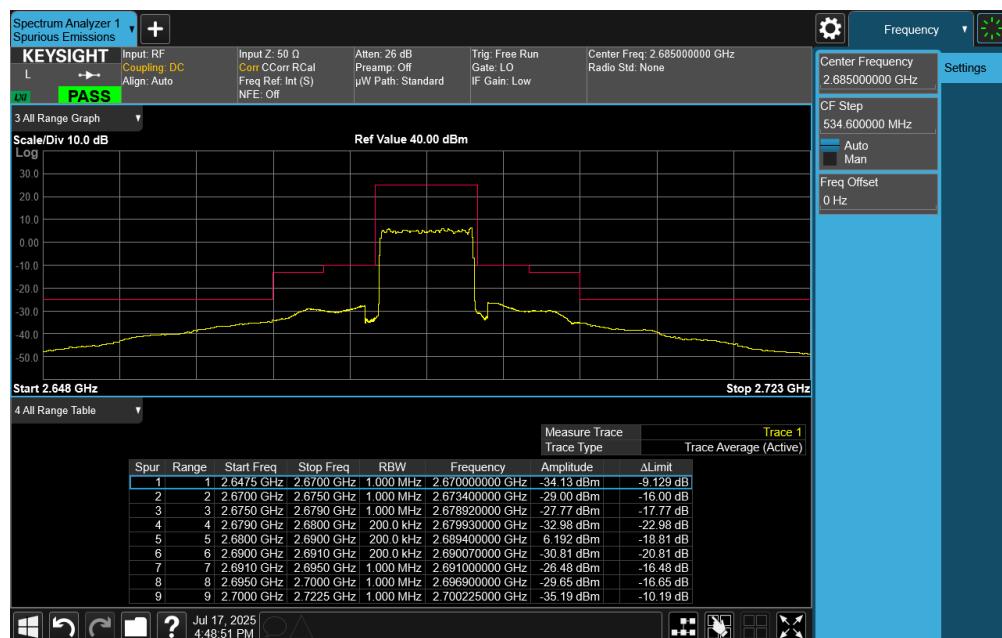


Plot 7-99. Lower ACP Plot (LTE Band 41 - 10MHz QPSK – Full RB)

FCC ID: BCG-A3337	element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch	Page 70 of 110	

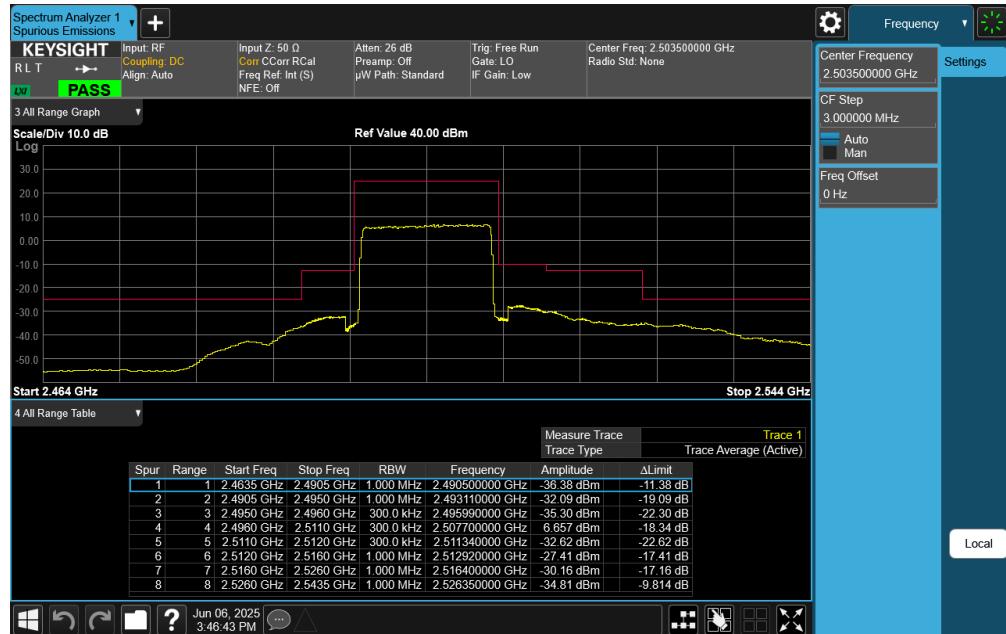


Plot 7-100. Middle ACP Plot (LTE Band 41 - 10MHz QPSK – Full RB)



Plot 7-101. Upper ACP Plot (LTE Band 41 - 10MHz QPSK – Full RB)

FCC ID: BCG-A3337	element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch		Page 71 of 110

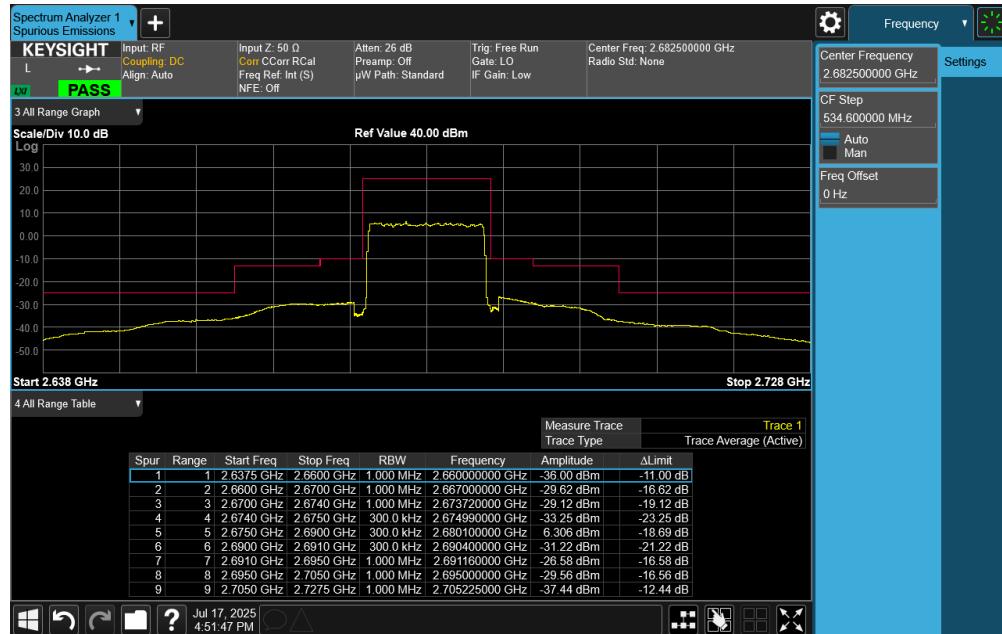


Plot 7-102. Lower ACP Plot (LTE Band 41 - 15MHz QPSK – Full RB)

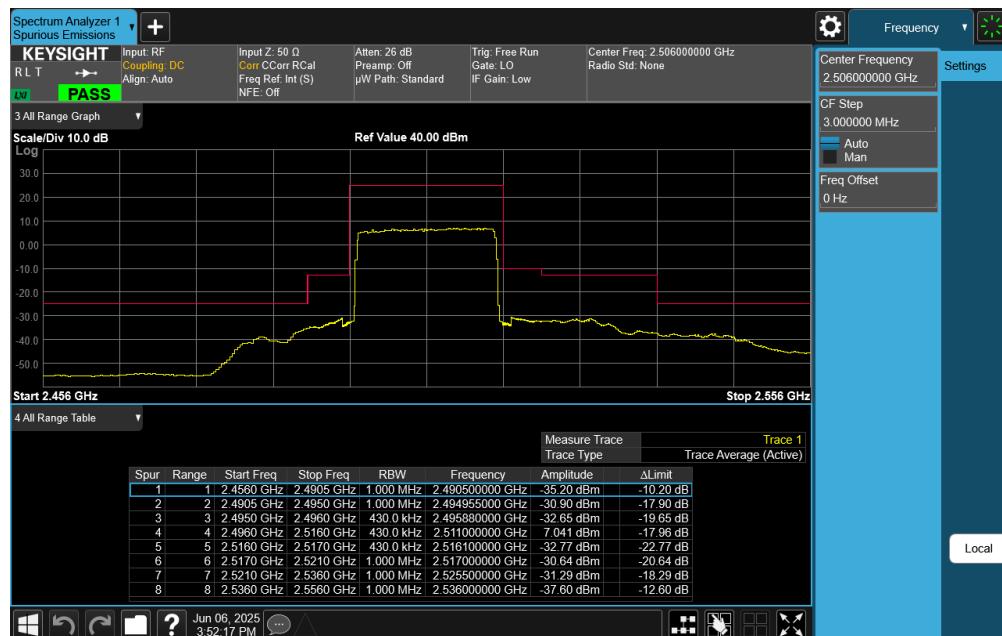


Plot 7-103. Middle ACP Plot (LTE Band 41 - 15MHz QPSK – Full RB)

FCC ID: BCG-A3337	element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch		Page 72 of 110

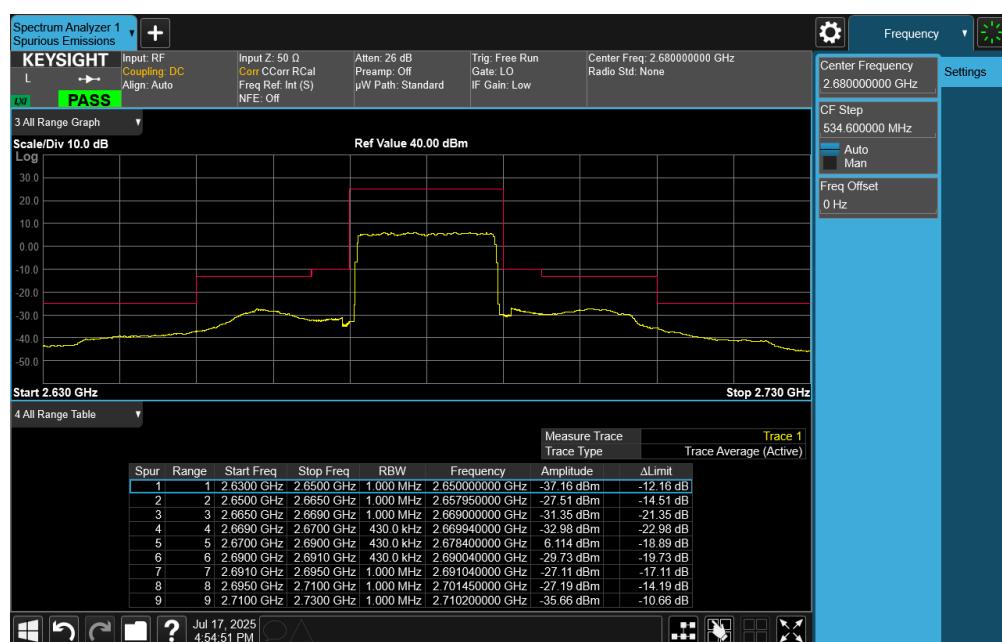


Plot 7-104. Upper ACP Plot (LTE Band 41 - 15MHz QPSK – Full RB)



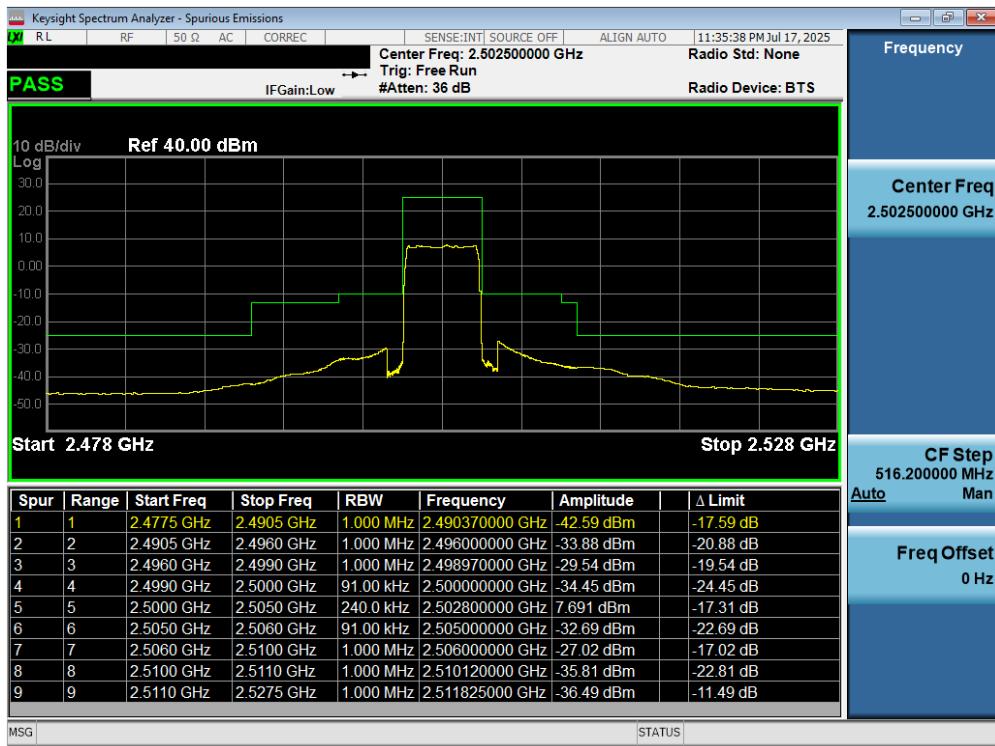
Plot 7-105. Lower ACP Plot (LTE Band 41 - 20MHz QPSK – Full RB)

FCC ID: BCG-A3337	element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch		Page 73 of 110

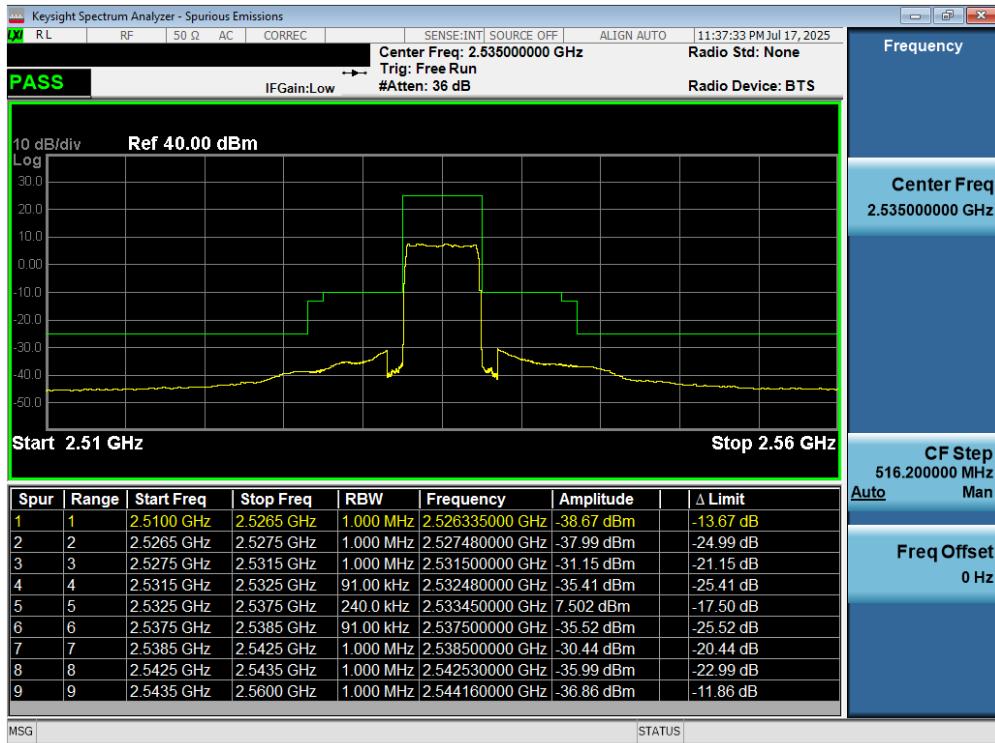


FCC ID: BCG-A3337	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch	Page 74 of 110

NR Band n7



Plot 7-108. Lower ACP Plot (NR Band n7 - 5MHz DFT-s-OFDM QPSK – Full RB)



Plot 7-109. Middle ACP Plot (NR Band n7 - 5MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch		Page 75 of 110

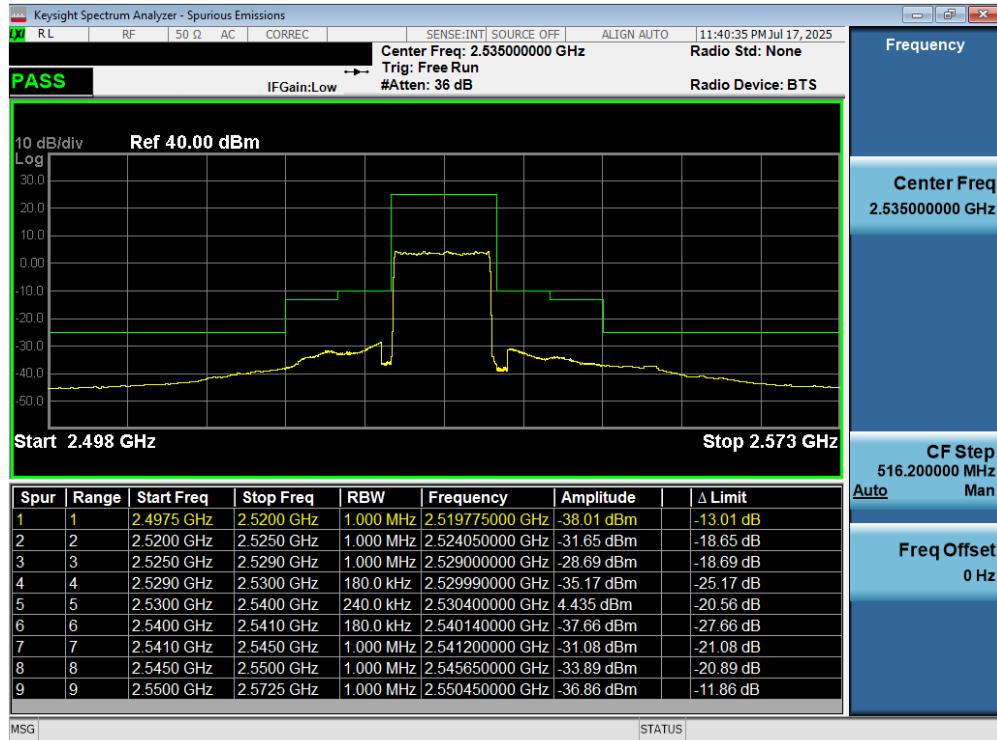


Plot 7-110. Upper ACP Plot (NR Band n7 - 5MHz DFT-s-OFDM QPSK – Full RB)

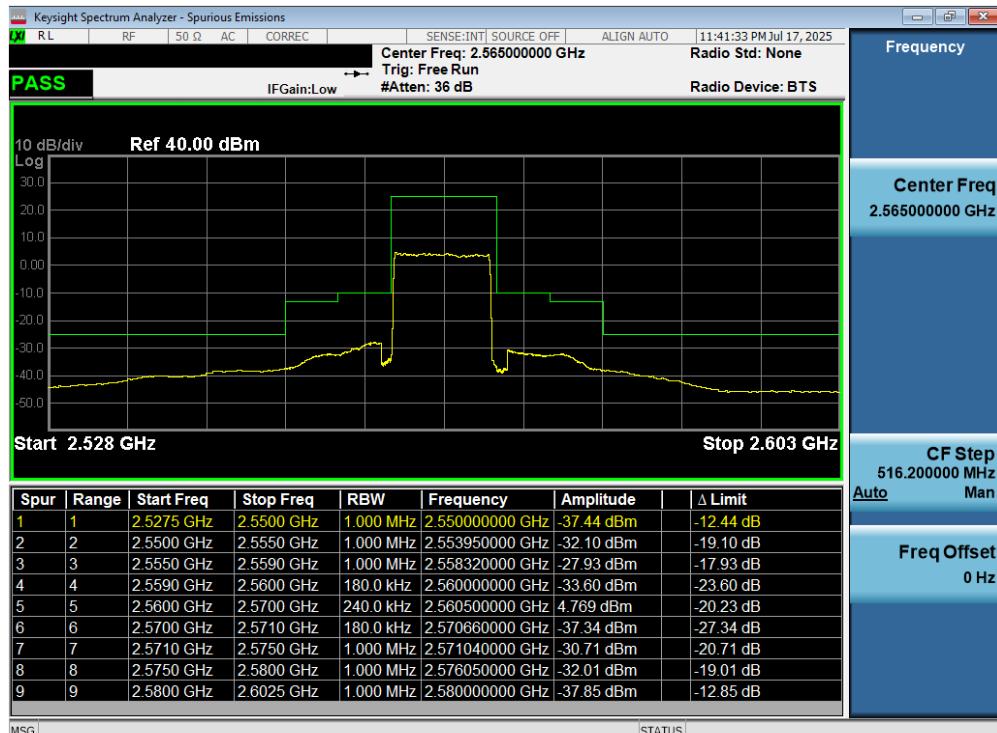


Plot 7-111. Lower ACP Plot (NR Band n7 - 10MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch	Page 76 of 110	



Plot 7-112. Middle ACP Plot (NR Band n7 - 10MHz DFT-s-OFDM QPSK – Full RB)

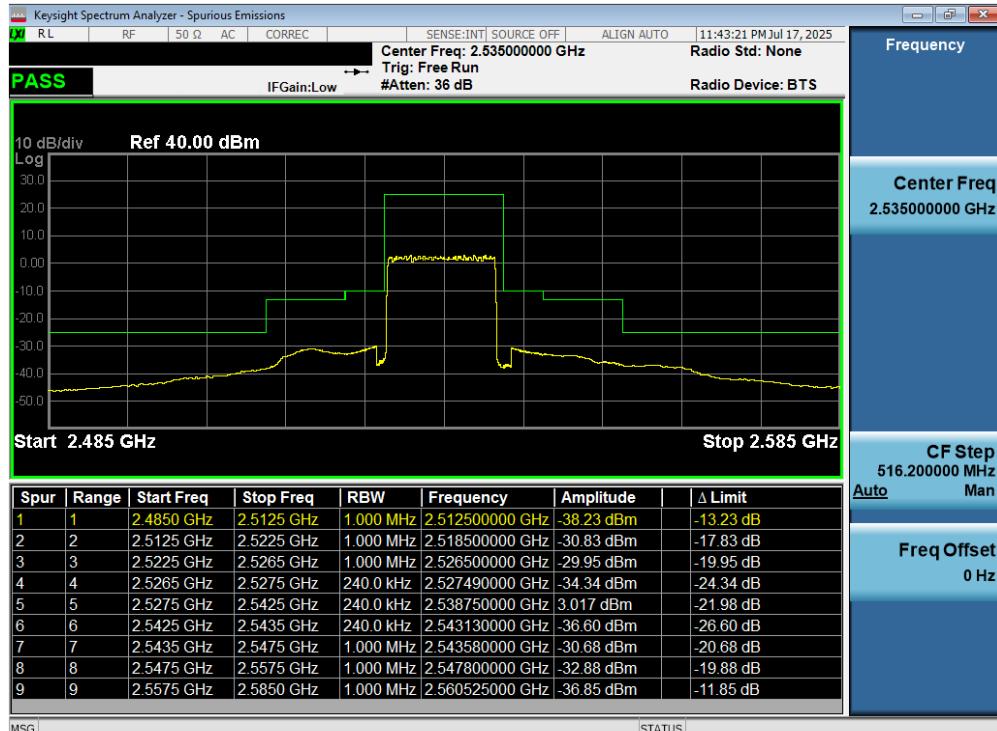


Plot 7-113. Upper ACP Plot (NR Band n7 - 10MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch	Page 77 of 110	

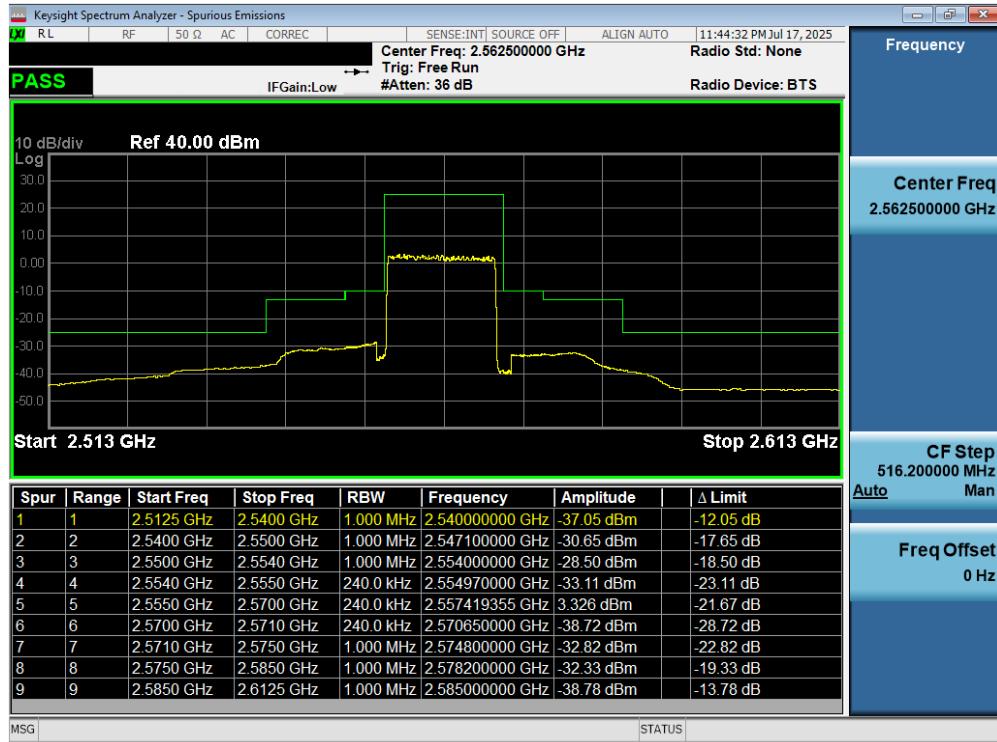


Plot 7-114. Lower ACP Plot (NR Band n7 - 15MHz DFT-s-OFDM QPSK – Full RB)

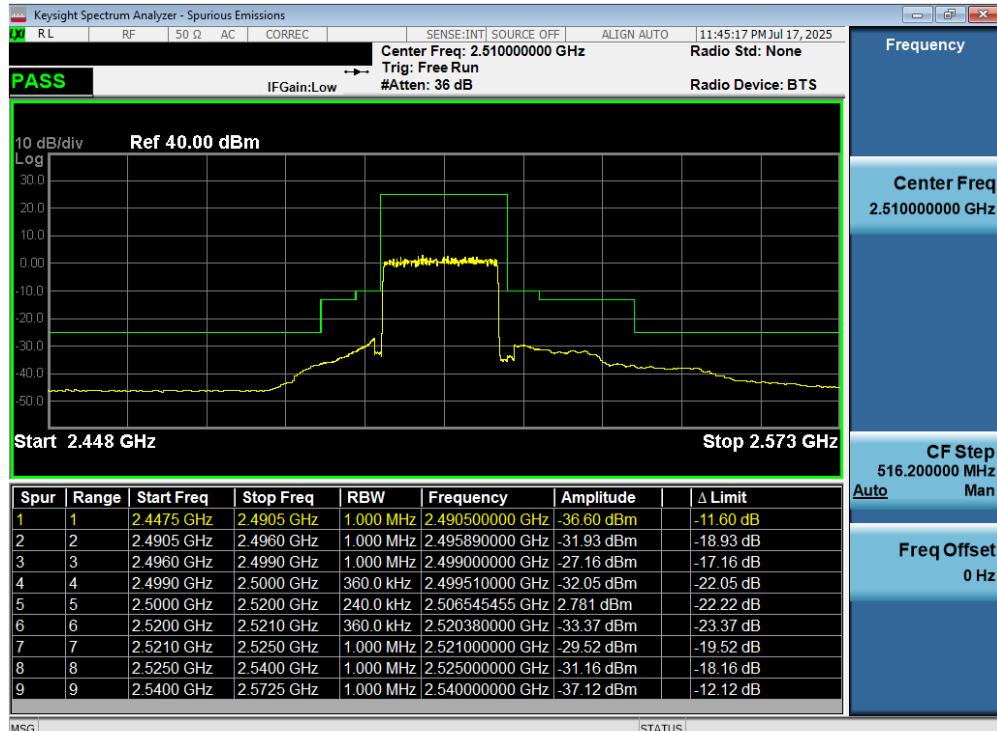


Plot 7-115. Middle ACP Plot (NR Band n7 - 15MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch	Page 78 of 110	



Plot 7-116. Upper ACP Plot (NR Band n7 - 15MHz DFT-s-OFDM QPSK – Full RB)

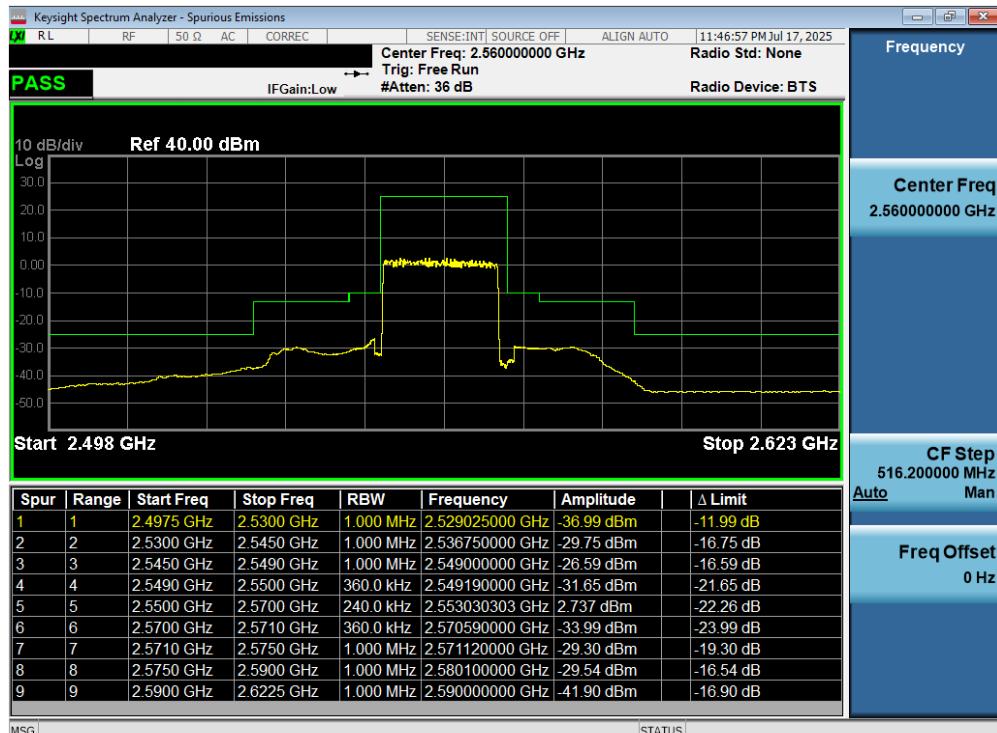


Plot 7-117. Lower ACP Plot (NR Band n7 - 20MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch	Page 79 of 110	



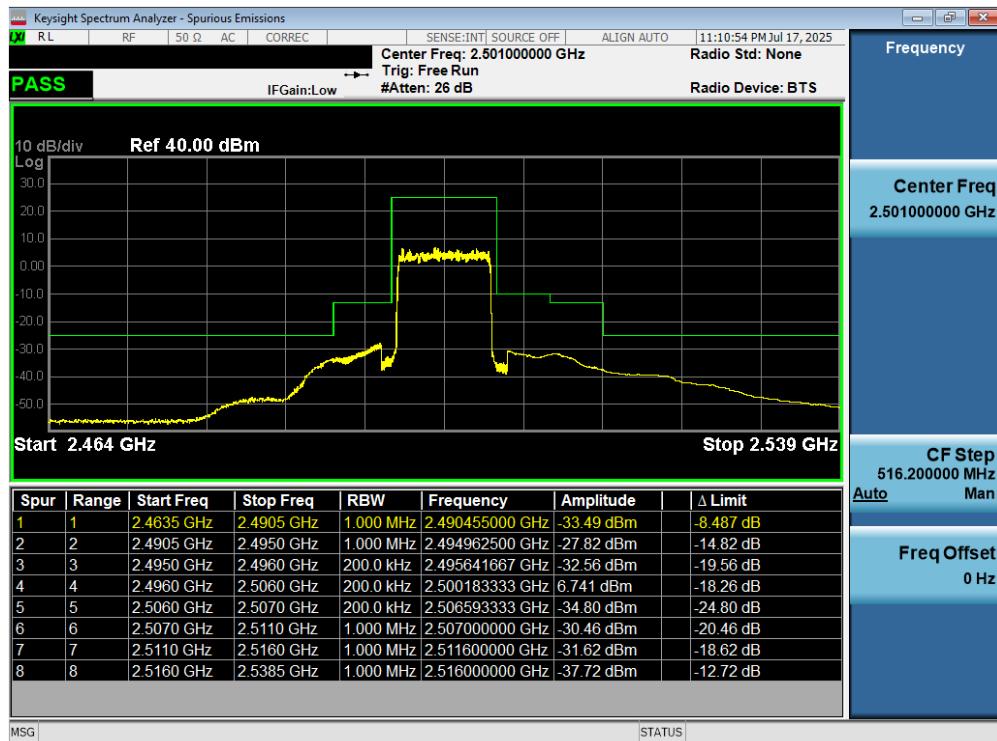
Plot 7-118. Middle ACP Plot (NR Band n7 - 20MHz DFT-s-OFDM QPSK – Full RB)



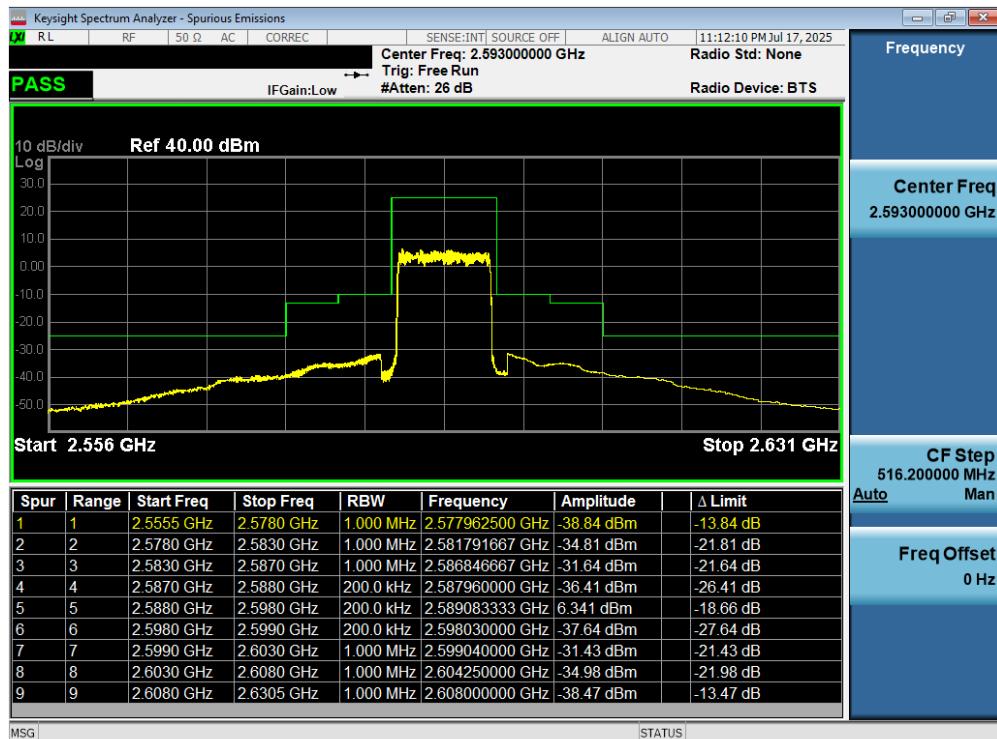
Plot 7-119. Upper ACP Plot (NR Band n7 - 20MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch	Page 80 of 110	

NR Band n41

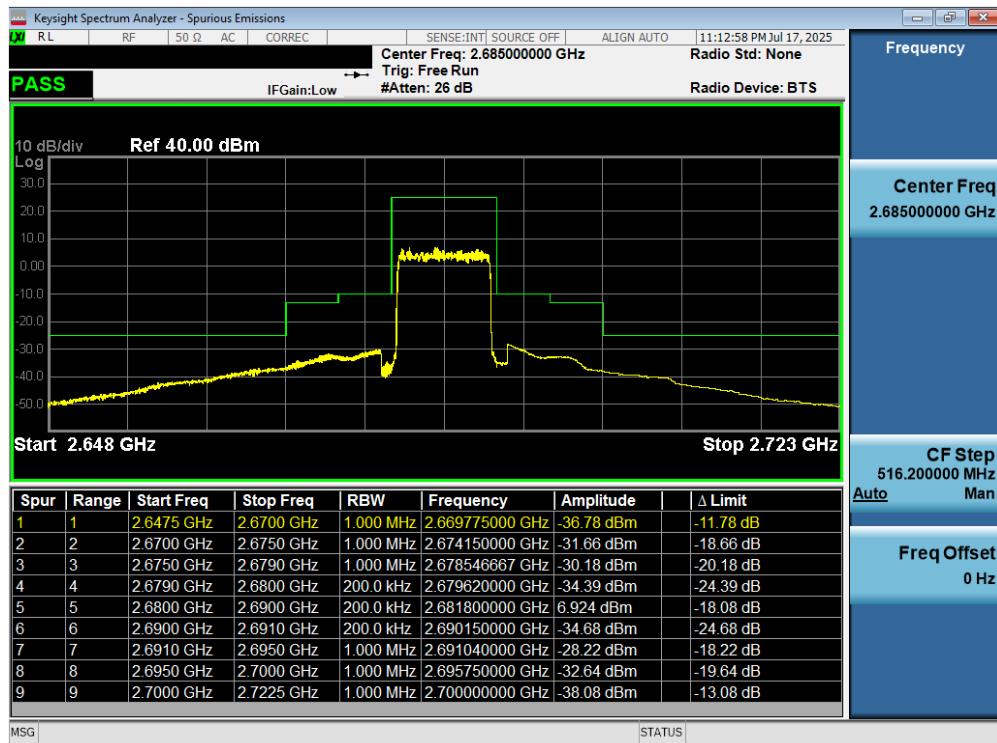


Plot 7-120. Lower ACP Plot (NR Band n41 - 10MHz DFT-s-OFDM QPSK – Full RB)

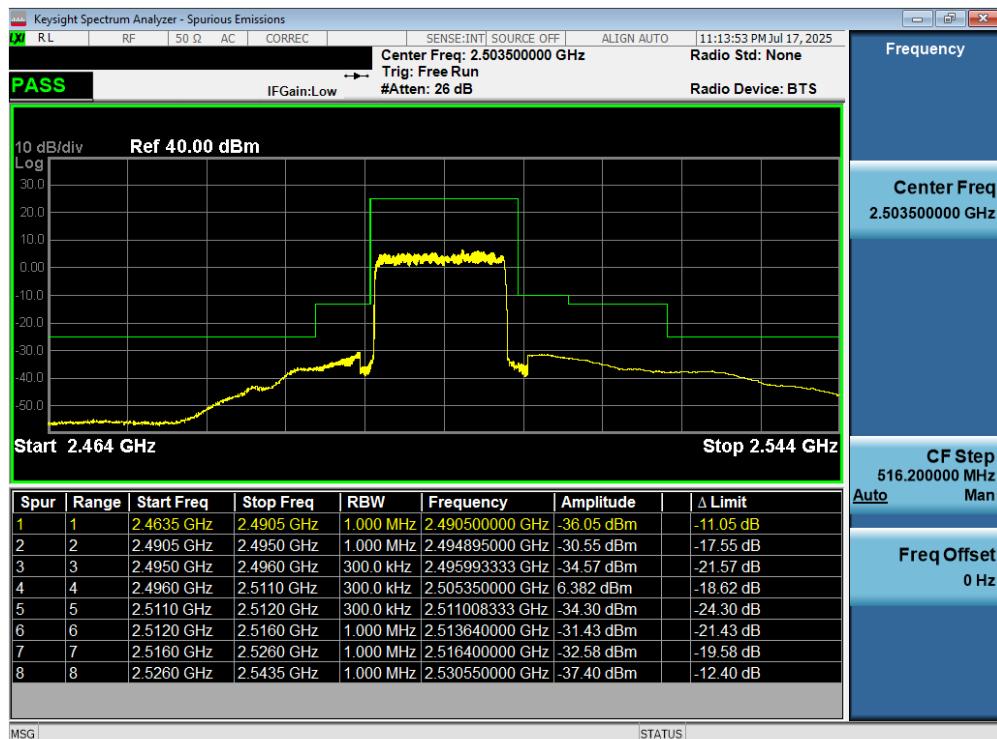


Plot 7-121. Middle ACP Plot (NR Band n41 - 10MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch		Page 81 of 110

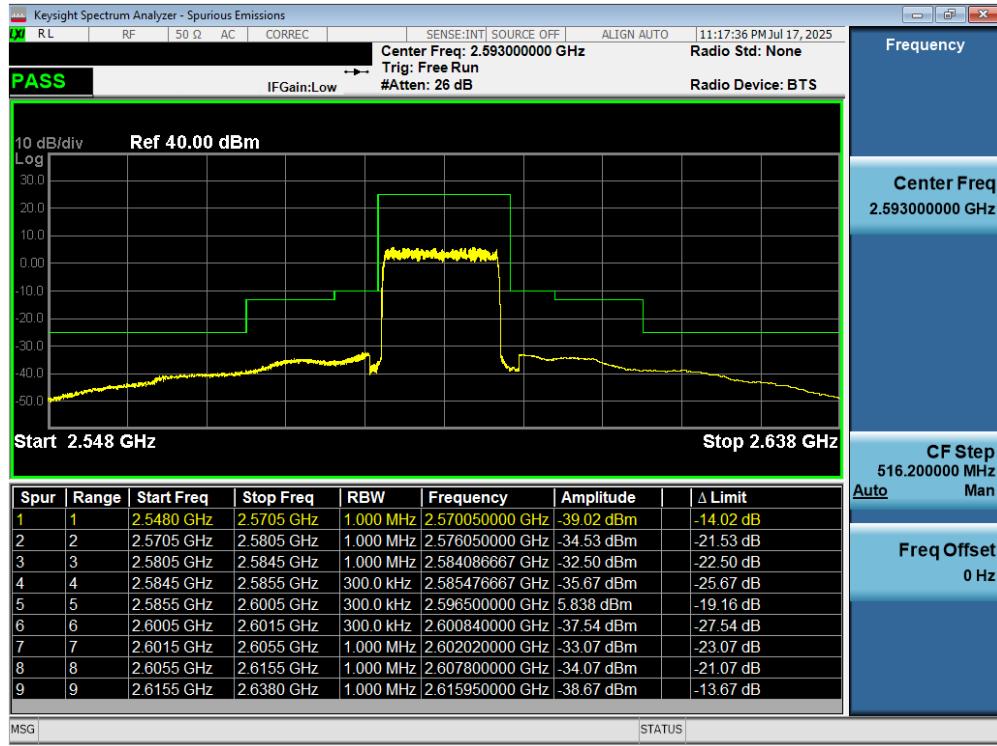


Plot 7-122. Upper ACP Plot (NR Band n41 - 10MHz DFT-s-OFDM QPSK – Full RB)

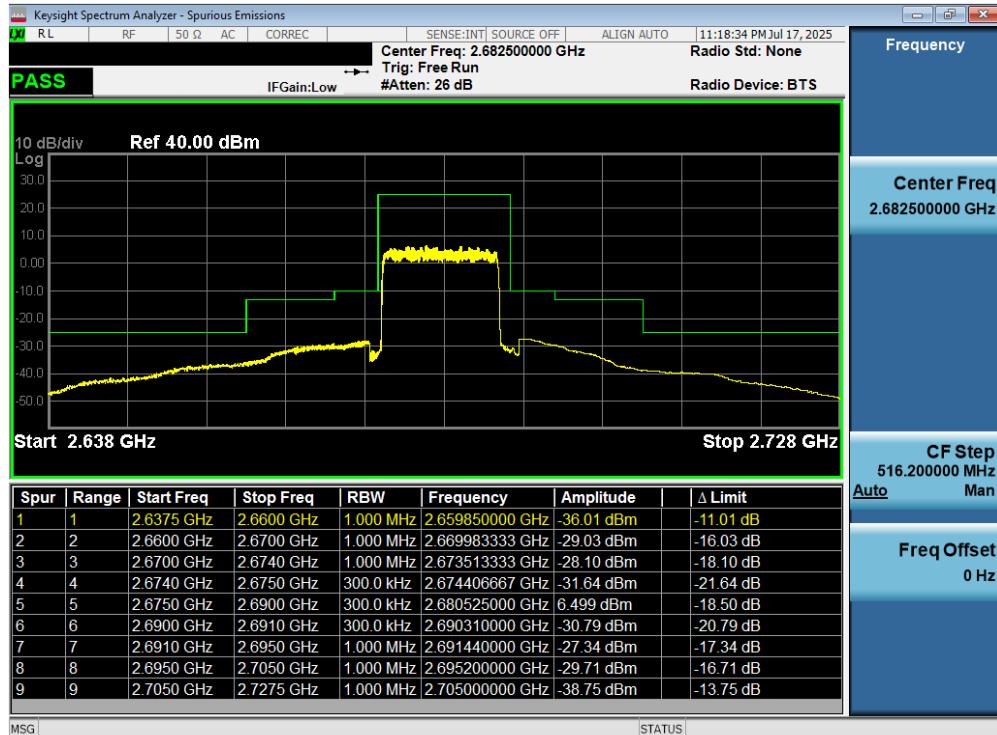


Plot 7-123. Lower ACP Plot (NR Band n41 - 15MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch		Page 82 of 110

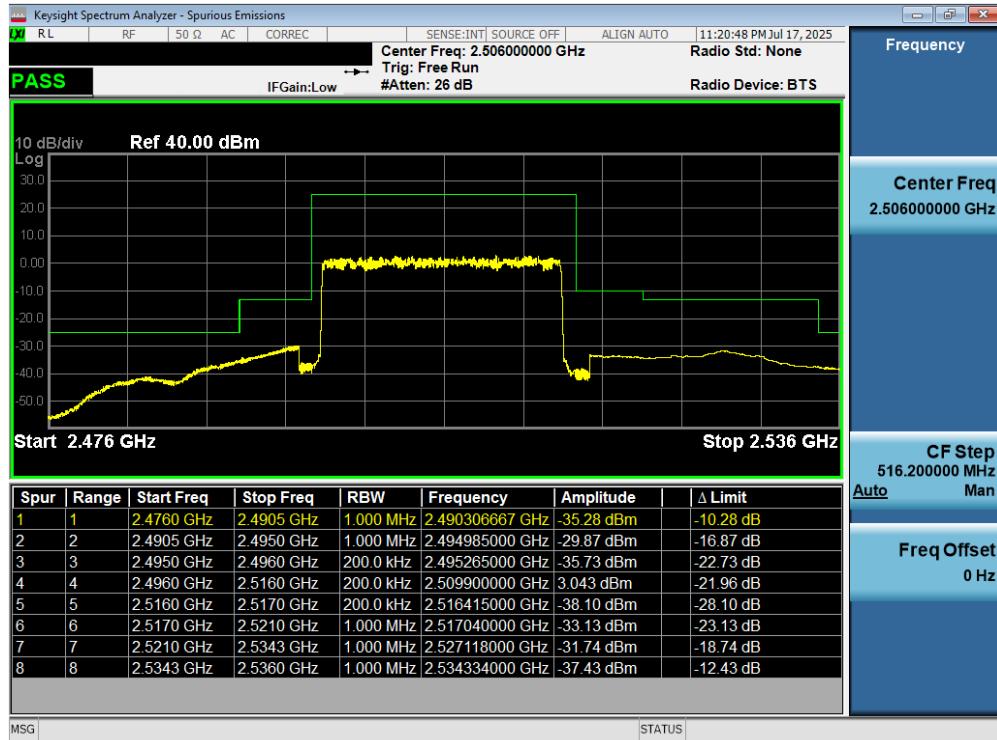


Plot 7-124. Middle ACP Plot (NR Band n41 - 15MHz DFT-s-OFDM QPSK – Full RB)

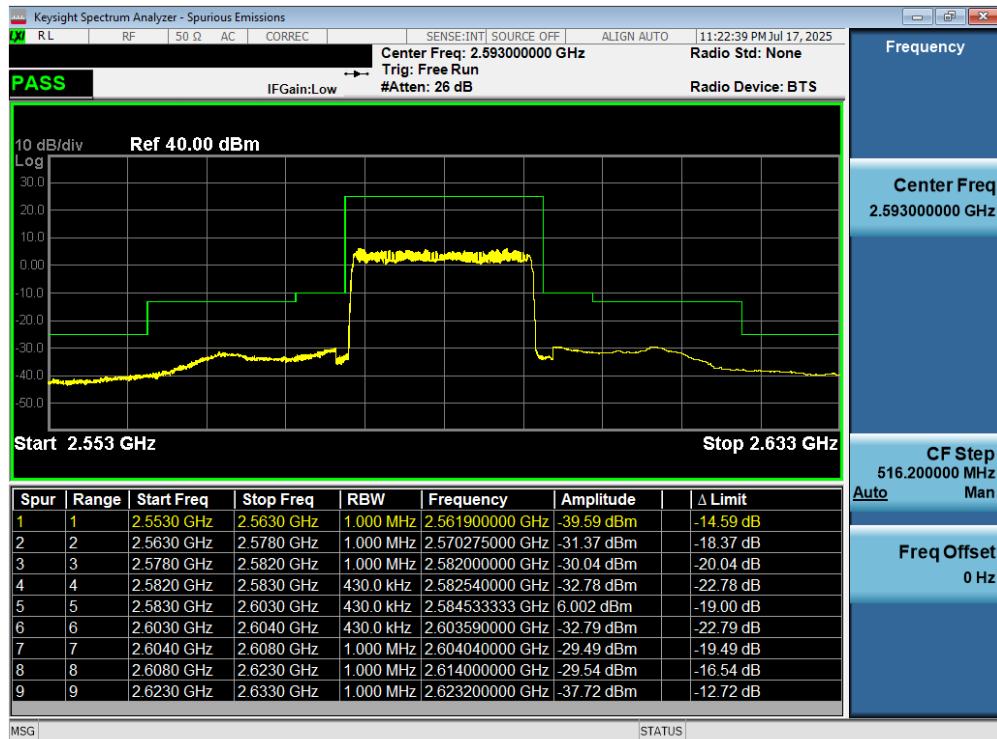


Plot 7-125. Upper ACP Plot (NR Band n41 - 15MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch	Page 83 of 110	

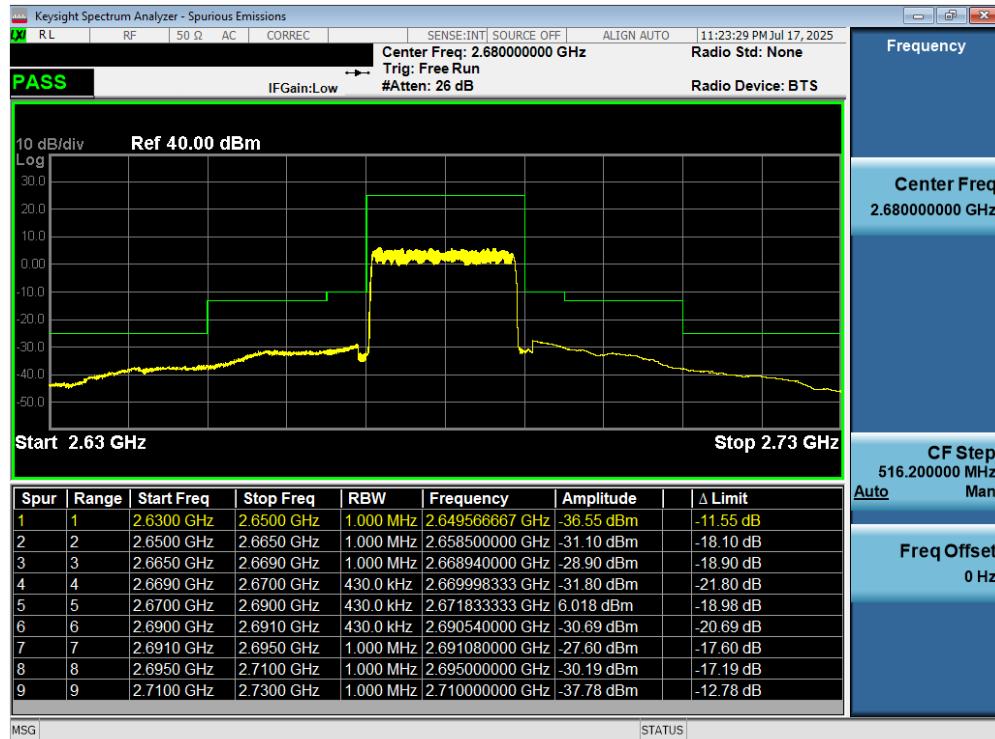


Plot 7-126. Lower ACP Plot (NR Band n41 - 20MHz DFT-s-OFDM QPSK – Full RB)



Plot 7-127. Middle ACP Plot (NR Band n41 - 20MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch	Page 84 of 110	



Plot 7-128. Upper ACP Plot (NR Band n41 - 20MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch	Page 85 of 110	

7.5 Radiated Power (EIRP)

§27.50(a)(3), §27.50(h)(2)

Test Overview

Equivalent Isotropic Radiated Power (EIRP) measurements are calculated by adding highest antenna gain to maximum measured conducted output power. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.2.1

ANSI C63.26-2015 – Section 5.2.5.5

Test Settings

The relevant equation for determining the ERP or EIRP from the conducted RF output power measured is:

$$\text{EIRP} = \text{PMes} - \text{LC} + \text{GT}$$

Where:

EIRP = Equivalent Isotropic Radiated Power (expressed in the same units as PMes, typically dBW or dBm)

PMes = measured transmitter output power or PSD, in dBW or dBm

LC = signal attenuation in the connecting cable between the transmitter and antenna in dB

GT = gain of the transmitting antenna, in dBi (EIRP)

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

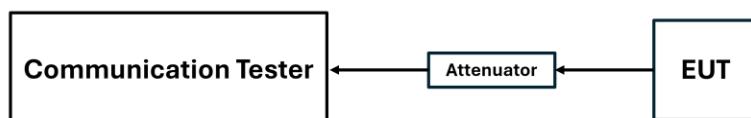


Figure 7-7. LTE Test Instrument & Measurement Setup

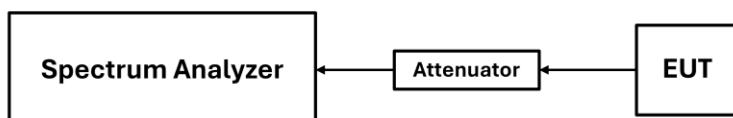


Figure 7-8. FR1 Test Instrument & Measurement Setup

FCC ID: BCG-A3337	element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch		Page 86 of 110

Test Notes

1. The EUT was tested in all possible test configurations. The worst case emissions are reported with the EUT modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
2. This unit was tested with its standard battery.
3. The Level (dBm) readings in the table were taken with a correction table loaded into the base station simulator. The correction table was used to account for the signal attenuation in the connecting cable between the transmitter and antenna.

FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch		Page 87 of 110

7.5.1 Antenna FCM - EIRP

LTE Band 7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [mW]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2502.5	-6.90	1 / 12	25.04	18.14	65.163	33.01	-14.87
		2535.0	-6.90	1 / 12	25.01	18.11	64.714	33.01	-14.90
		2567.5	-6.90	1 / 0	24.87	17.97	62.661	33.01	-15.04
	16-QAM	2535.0	-6.90	1 / 12	24.56	17.66	58.345	33.01	-15.35
10 MHz	QPSK	2505.0	-6.90	1 / 0	24.97	18.07	64.121	33.01	-14.94
		2535.0	-6.90	1 / 49	24.93	18.03	63.533	33.01	-14.98
		2565.0	-6.90	1 / 25	24.94	18.04	63.680	33.01	-14.97
	16-QAM	2535.0	-6.90	1 / 49	24.30	17.40	54.954	33.01	-15.61
15 MHz	QPSK	2507.5	-6.90	1 / 37	25.14	18.24	66.681	33.01	-14.77
		2535.0	-6.90	1 / 37	25.00	18.10	64.565	33.01	-14.91
		2562.5	-6.90	1 / 37	24.96	18.06	63.973	33.01	-14.95
	16-QAM	2535.0	-6.90	1 / 37	24.32	17.42	55.208	33.01	-15.59
20 MHz	QPSK	2510.0	-6.90	1 / 50	25.20	18.30	67.608	33.01	-14.71
		2535.0	-6.90	1 / 99	24.85	17.95	62.373	33.01	-15.06
		2560.0	-6.90	1 / 50	25.08	18.18	65.766	33.01	-14.83
	16-QAM	2560.0	-6.90	1 / 50	24.60	17.70	58.884	33.01	-15.31

Table 7-2. Antenna FCM LTE Band 7 Power Measurements

FCC ID: BCG-A3337	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch		Page 88 of 110

LTE Band 41

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [mW]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	-6.70	1 / 0	25.20	18.50	70.795	33.01	-14.51
		2593.0	-6.70	1 / 24	25.11	18.41	69.343	33.01	-14.60
		2687.5	-6.70	1 / 12	25.19	18.49	70.632	33.01	-14.52
	16-QAM	2498.5	-6.70	1 / 12	24.18	17.48	55.976	33.01	-15.53
10 MHz	QPSK	2501.0	-6.70	1 / 25	25.02	18.32	67.920	33.01	-14.69
		2593.0	-6.70	1 / 0	25.18	18.48	70.469	33.01	-14.53
		2685.0	-6.70	1 / 49	25.20	18.50	70.795	33.01	-14.51
	16-QAM	2685.0	-6.70	1 / 0	24.18	17.48	55.976	33.01	-15.53
15 MHz	QPSK	2503.5	-6.70	1 / 74	25.18	18.48	70.469	33.01	-14.53
		2593.0	-6.70	1 / 0	24.89	18.19	65.917	33.01	-14.82
		2682.5	-6.70	1 / 37	25.18	18.48	70.469	33.01	-14.53
	16-QAM	2593.0	-6.70	1 / 37	24.19	17.49	56.105	33.01	-15.52
20 MHz	QPSK	2506.0	-6.70	1 / 0	24.97	18.27	67.143	33.01	-14.74
		2593.0	-6.70	1 / 0	25.16	18.46	70.146	33.01	-14.55
		2680.0	-6.70	1 / 0	25.17	18.47	70.307	33.01	-14.54
	16-QAM	2680.0	-6.70	1 / 50	24.25	17.55	56.885	33.01	-15.46

Table 7-3. Antenna FCM LTE Band 41 Power Measurements

FCC ID: BCG-A3337	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch	Page 89 of 110	

NR Band n7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [mW]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	2502.5	-6.90	1 / 23	25.02	18.12	64.863	33.01	-14.89
		2535.0	-6.90	1 / 1	25.07	18.17	65.615	33.01	-14.84
		2567.5	-6.90	1 / 1	25.19	18.29	67.453	33.01	-14.72
	QPSK	2502.5	-6.90	1 / 12	25.20	18.30	67.608	33.01	-14.71
		2535.0	-6.90	1 / 1	25.09	18.19	65.917	33.01	-14.82
		2567.5	-6.90	1 / 12	25.15	18.25	66.834	33.01	-14.76
	16-QAM	2567.5	-6.90	1 / 23	24.21	17.31	53.827	33.01	-15.70
	64-QAM	2567.5	-6.90	1 / 12	23.09	16.19	41.591	33.01	-16.82
	π/2 BPSK	2505.0	-6.90	1 / 50	24.94	18.04	63.680	33.01	-14.97
		2535.0	-6.90	1 / 25	25.20	18.30	67.608	33.01	-14.71
		2565.0	-6.90	1 / 50	25.09	18.19	65.917	33.01	-14.82
10 MHz	QPSK	2505.0	-6.90	1 / 1	25.06	18.16	65.464	33.01	-14.85
		2535.0	-6.90	1 / 50	25.13	18.23	66.527	33.01	-14.78
		2565.0	-6.90	1 / 50	25.19	18.29	67.453	33.01	-14.72
	16-QAM	2535.0	-6.90	1 / 50	24.16	17.26	53.211	33.01	-15.75
	64-QAM	2565.0	-6.90	1 / 25	23.14	16.24	42.073	33.01	-16.77
	π/2 BPSK	2507.5	-6.90	1 / 73	25.09	18.19	65.917	33.01	-14.82
		2535.0	-6.90	1 / 1	24.84	17.94	62.230	33.01	-15.07
		2562.5	-6.90	1 / 37	25.16	18.26	66.988	33.01	-14.75
15 MHz	QPSK	2507.5	-6.90	1 / 37	24.96	18.06	63.973	33.01	-14.95
		2535.0	-6.90	1 / 1	25.20	18.30	67.608	33.01	-14.71
		2562.5	-6.90	1 / 37	25.00	18.10	64.565	33.01	-14.91
	16-QAM	2507.5	-6.90	1 / 73	24.20	17.30	53.703	33.01	-15.71
	64-QAM	2535.0	-6.90	1 / 37	23.18	16.28	42.462	33.01	-16.73
	π/2 BPSK	2510.0	-6.90	1 / 98	25.19	18.29	67.453	33.01	-14.72
		2535.0	-6.90	1 / 98	25.13	18.23	66.527	33.01	-14.78
		2560.0	-6.90	1 / 98	25.20	18.30	67.608	33.01	-14.71
20 MHz	QPSK	2510.0	-6.90	1 / 1	25.08	18.18	65.766	33.01	-14.83
		2535.0	-6.90	1 / 50	25.12	18.22	66.374	33.01	-14.79
		2560.0	-6.90	1 / 1	25.08	18.18	65.766	33.01	-14.83
	16-QAM	2510.0	-6.90	1 / 1	24.11	17.21	52.602	33.01	-15.80
	64-QAM	2560.0	-6.90	1 / 50	23.18	16.28	42.462	33.01	-16.73

Table 7-4. Antenna FCM NR Band n7 Power Measurements

FCC ID: BCG-A3337	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch	Page 90 of 110	

NR Band n41

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [mW]	EIRP Limit [dBm]	Margin [dB]	
10MHz	π/2 BPSK	2501.0	-6.70	1 / 1	25.11	18.41	69.333	33.01	-14.60	
		2593.0	-6.70	1 / 22	24.90	18.20	66.024	33.01	-14.81	
		2685.0	-6.70	1 / 1	24.76	18.06	63.925	33.01	-14.95	
	QPSK	2501.0	-6.70	1 / 1	25.12	18.42	69.423	33.01	-14.60	
		2593.0	-6.70	1 / 22	24.95	18.25	66.840	33.01	-14.76	
		2685.0	-6.70	1 / 1	24.78	18.08	64.334	33.01	-14.93	
		16-QAM	2501.0	-6.70	1 / 1	24.43	17.73	59.356	33.01	-15.28
		64-QAM	2501.0	-6.70	1 / 11	22.87	16.17	41.436	33.01	-16.84
15MHz	π/2 BPSK	2503.5	-6.70	1 / 1	25.11	18.41	69.339	33.01	-14.60	
		2593.0	-6.70	1 / 1	24.93	18.23	66.473	33.01	-14.78	
		2682.5	-6.70	1 / 1	24.82	18.12	64.821	33.01	-14.89	
	QPSK	2503.5	-6.70	1 / 1	25.04	18.34	68.280	33.01	-14.67	
		2593.0	-6.70	1 / 36	24.94	18.24	66.656	33.01	-14.77	
		2682.5	-6.70	1 / 1	24.79	18.09	64.363	33.01	-14.92	
		16-QAM	2503.5	-6.70	1 / 1	24.37	17.67	58.482	33.01	-15.34
		64-QAM	2503.5	-6.70	1 / 1	22.90	16.20	41.673	33.01	-16.81
20MHz	π/2 BPSK	2506.0	-6.70	1 / 1	25.03	18.33	68.069	33.01	-14.68	
		2593.0	-6.70	1 / 25	24.92	18.22	66.364	33.01	-14.79	
		2680.0	-6.70	1 / 25	24.76	18.06	64.027	33.01	-14.95	
	QPSK	2506.0	-6.70	1 / 1	25.09	18.39	68.985	33.01	-14.62	
		2593.0	-6.70	1 / 25	24.96	18.26	67.038	33.01	-14.75	
		2680.0	-6.70	1 / 1	24.83	18.13	64.990	33.01	-14.88	
		16-QAM	2506.0	-6.70	1 / 1	24.40	17.70	58.873	33.01	-15.31
		64-QAM	2506.0	-6.70	1 / 1	22.96	16.26	42.313	33.01	-16.75

Table 7-5. Antenna FCM NR Band n41 Power Measurements

FCC ID: BCG-A3337	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch		Page 91 of 110

7.6 Radiated Spurious Emissions

§2.1053, 27.53(a), 27.53(m)

Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in KDB 971168 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized broadband hybrid antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed while the EUT is operating at maximum power and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch		Page 92 of 110

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

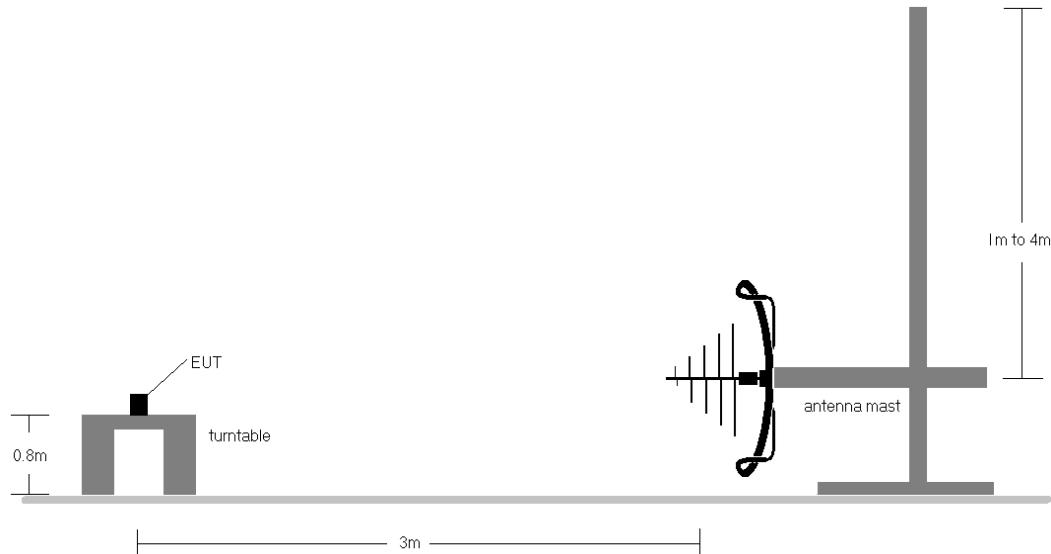


Figure 7-9. Test Instrument & Measurement Setup < 1GHz

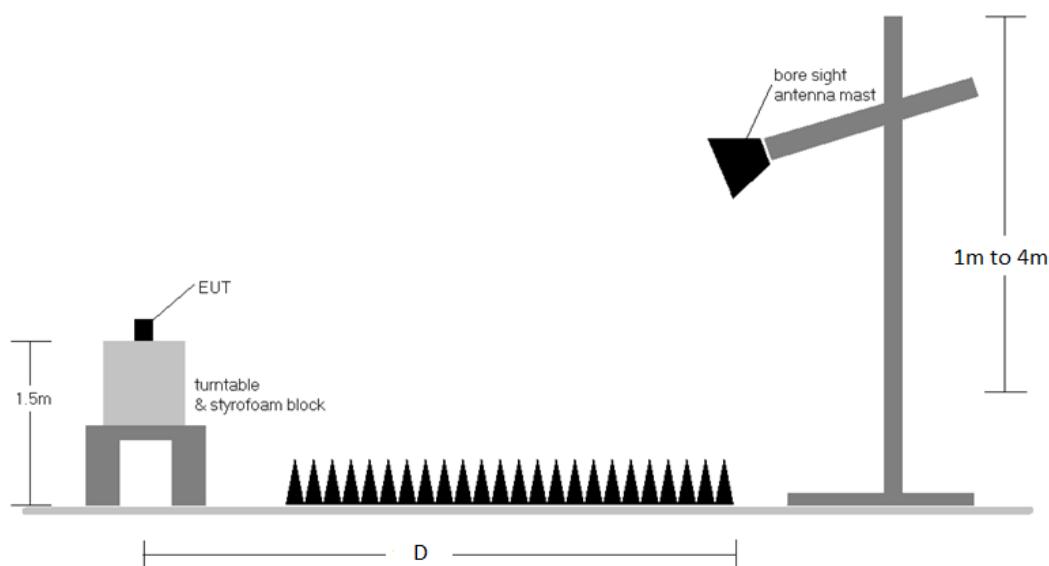


Figure 7-10. Test Instrument & Measurement Setup > 1 GHz

FCC ID: BCG-A3337	element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch		Page 93 of 110

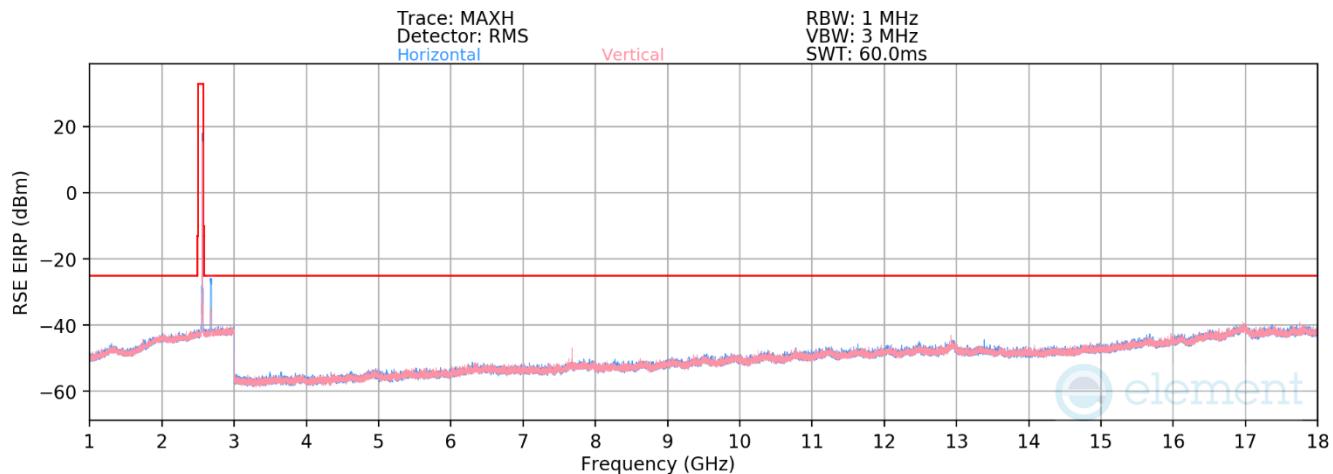
Test Notes

1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 D01 v03r01 Section 5.8.4.
 - a. $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b. $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
2. The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
3. This unit was tested with its standard battery.
4. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
5. Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
6. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
7. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

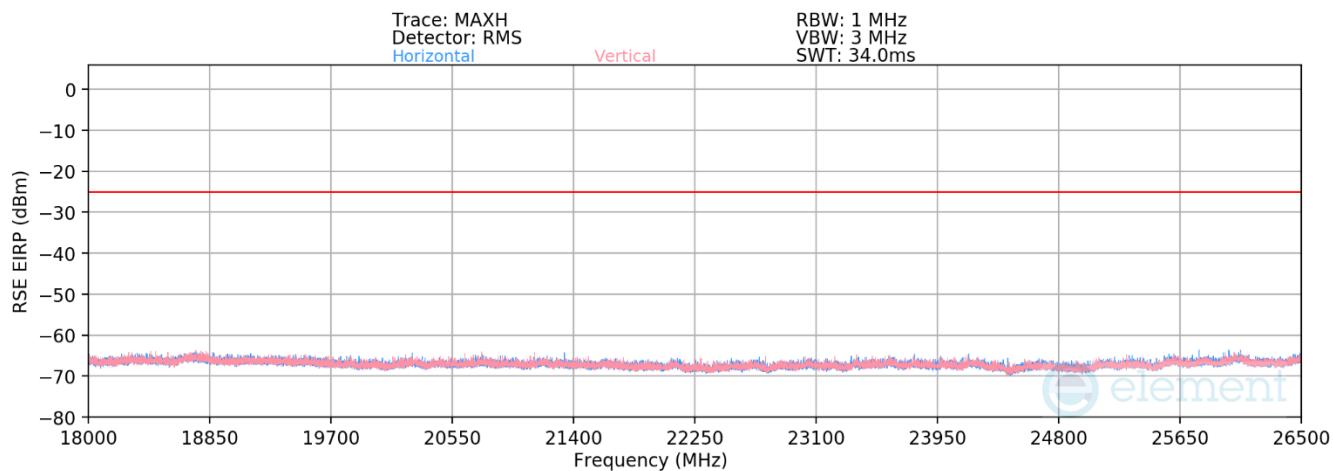
FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch		Page 94 of 110

7.6.1 Antenna FCM Radiated Spurious Emission Measurements

LTE Band 7



Plot 7-129. Antenna FCM Radiated Spurious Plot 1GHz – 18GHz (LTE Band 7)



Plot 7-130. Antenna FCM Radiated Spurious Emission above 18GHz (LTE Band 7)

FCC ID: BCG-A3337	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch		Page 95 of 110

Bandwidth (MHz):	20
Frequency (MHz):	2510.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	-	-	-	-80.77	8.31	34.54	-60.72	-25.00	-35.72
7530.0	V	397	24	-76.27	11.23	41.96	-53.29	-25.00	-28.29
10040.0	-	-	-	-82.22	14.05	38.82	-56.43	-25.00	-31.43
12550.0	-	-	-	-83.45	18.38	41.93	-53.33	-25.00	-28.33
15060.0	-	-	-	-84.44	20.39	42.96	-52.30	-25.00	-27.30

Table 7-6. Radiated Spurious Data (LTE Band 7 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2535.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	-	-	-	-81.11	8.46	34.35	-60.91	-25.00	-35.91
7605.0	V	298	176	-75.15	11.29	43.14	-52.12	-25.00	-27.12
10140.0	-	-	-	-82.14	14.06	38.91	-56.35	-25.00	-31.35
12675.0	-	-	-	-83.70	18.39	41.69	-53.57	-25.00	-28.57
15210.0	-	-	-	-84.73	20.77	43.04	-52.21	-25.00	-27.21

Table 7-7. Radiated Spurious Data (LTE Band 7 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2560.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.00	-	-	-	-80.98	8.37	34.39	-60.86	-25.00	-35.86
7680.00	-	343	0	-75.17	11.81	43.64	-51.62	-25.00	-26.62
10240.00	-	-	-	-82.30	14.26	38.96	-56.30	-25.00	-31.30
12800.00	-	-	-	-83.66	18.42	41.76	-53.50	-25.00	-28.50
15360.00	-	-	-	-84.55	21.15	43.60	-51.66	-25.00	-26.66

Table 7-8. Radiated Spurious Data (LTE Band 7 – High Channel)

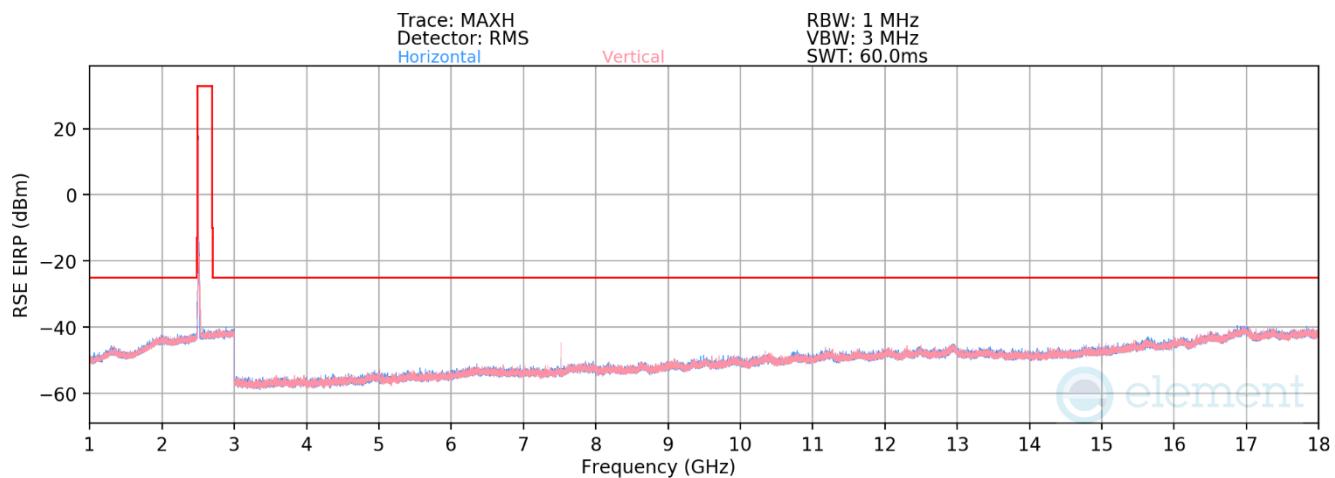
FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch					

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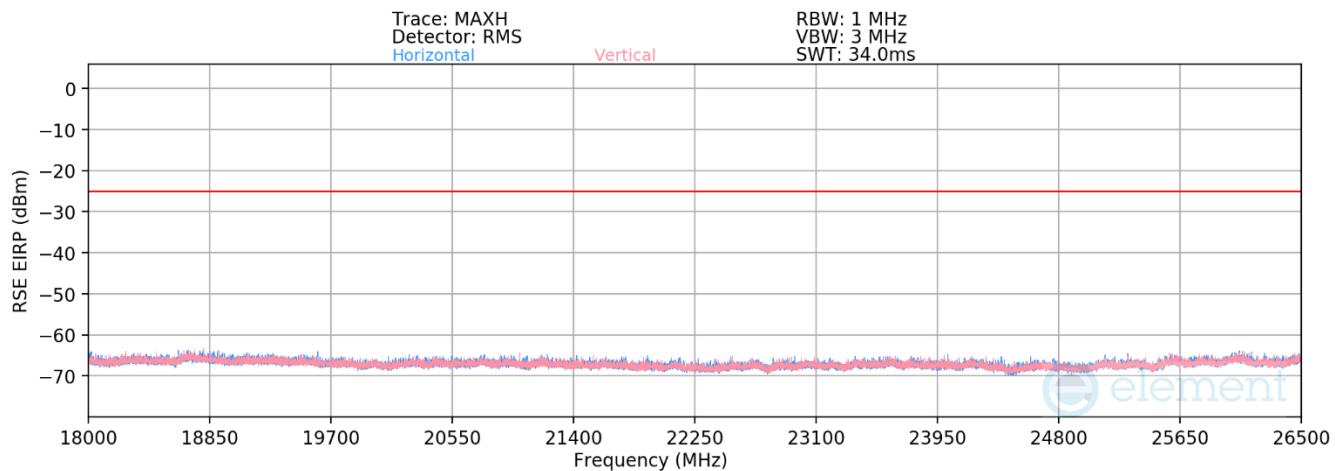
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LTE Band 41



Plot 7-131. Antenna FCM Radiated Spurious Plot 1GHz – 18GHz (LTE Band 41)



Plot 7-132. Antenna FCM Radiated Spurious Emission above 18GHz (LTE Band 41)

FCC ID: BCG-A3337	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch		Page 97 of 110

Bandwidth (MHz):	20
Frequency (MHz):	2506.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	318	167	-75.32	8.31	39.99	-55.26	-25.00	-30.26
7518.0	V	101	178	-70.56	11.29	47.73	-47.53	-25.00	-22.53
10024.0	V	-	-	-81.26	14.04	39.79	-55.47	-25.00	-30.47
12530.0	H	-	-	-83.01	18.25	42.23	-53.02	-25.00	-28.02
15036.0	V	-	-	-83.99	20.58	43.59	-51.67	-25.00	-26.67

Table 7-9. Radiated Spurious Data (LTE Band 41 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-80.71	8.71	35.00	-60.25	-25.00	-35.25
7779.0	V	119	3	-76.14	11.27	42.13	-53.13	-25.00	-28.13
10372.0	H	-	-	-81.80	15.11	40.31	-54.95	-25.00	-29.95
12965.0	V	-	-	-83.16	20.26	44.11	-51.15	-25.00	-26.15
15558.0	V	-	-	-84.13	21.78	44.65	-50.60	-25.00	-25.60

Table 7-10. Radiated Spurious Data (LTE Band 41 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-80.64	8.77	35.14	-60.12	-25.00	-35.12
8040.0	V	108	183	-73.62	11.32	44.70	-50.56	-25.00	-25.56
10720.0	H	-	-	-81.66	14.84	40.18	-55.08	-25.00	-30.08
13400.0	V	-	-	-83.28	18.84	42.56	-52.70	-25.00	-27.70
16080.0	V	-	-	-84.18	23.05	45.87	-49.39	-25.00	-24.39

Table 7-11. Radiated Spurious Data (LTE Band 41 – High Channel)

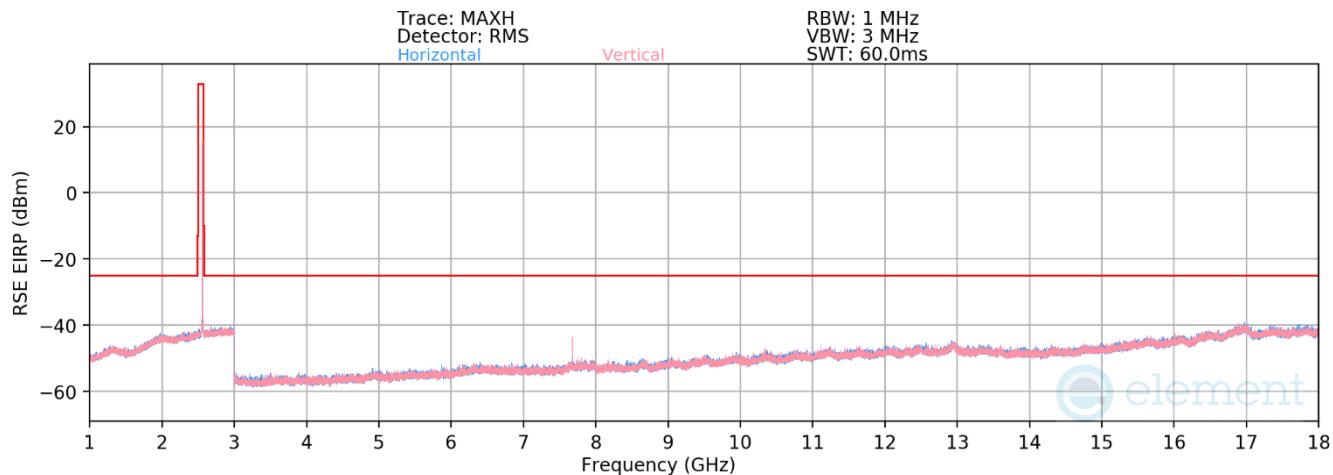
FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch					

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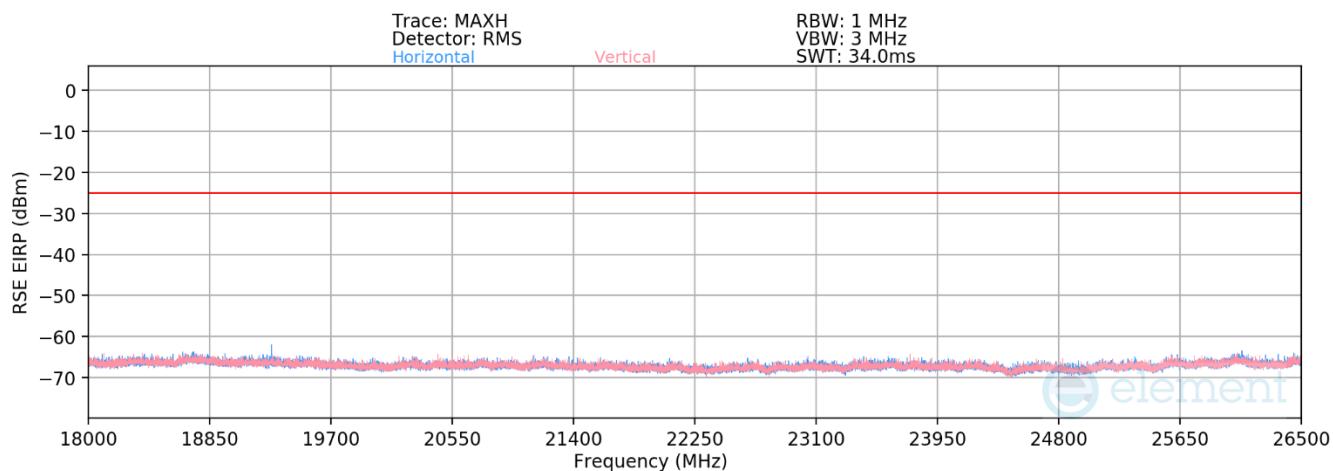
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NR Band n7



Plot 7-133. Antenna FCM Radiated Spurious Plot 1GHz – 18GHz (NR Band n7)



Plot 7-134. Antenna FCM Radiated Spurious Emission above 18GHz (NR Band n7)

FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch		Page 99 of 110

Bandwidth (MHz):	40
Frequency (MHz):	2520.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5040.0	V	-	-	-80.79	8.31	34.52	-60.73	-25.00	-35.73
7560.0	V	105	286	-76.52	11.23	41.71	-53.55	-25.00	-28.55
10080.0	V	-	-	-82.35	13.95	38.61	-56.65	-25.00	-31.65
12600.0	V	-	-	-83.17	18.09	41.92	-53.34	-25.00	-28.34
15120.0	V	-	-	-84.77	20.67	42.90	-52.36	-25.00	-27.36

Table 7-12. Radiated Spurious Data (NR Band n7 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-80.94	8.31	34.37	-60.89	-25.00	-35.89
7605.0	V	325	285	-78.71	11.29	39.58	-55.68	-25.00	-30.68
10140.0	V	-	-	-82.75	14.60	38.85	-56.41	-25.00	-31.41
12675.0	V	-	-	-83.92	18.55	41.64	-53.62	-25.00	-28.62
15210.0	V	-	-	-84.79	20.80	43.01	-52.25	-25.00	-27.25

Table 7-13. Radiated Spurious Data (NR Band n7 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5100.0	V	-	-	-80.97	8.37	34.40	-60.86	-25.00	-35.86
7650.0	V	339	10	-76.53	11.81	42.28	-52.98	-25.00	-27.98
10200.0	V	-	-	-82.19	14.19	38.99	-56.27	-25.00	-31.27
12750.0	V	-	-	-83.84	18.52	41.69	-53.57	-25.00	-28.57
15300.0	V	-	-	-84.46	21.09	43.64	-51.62	-25.00	-26.62

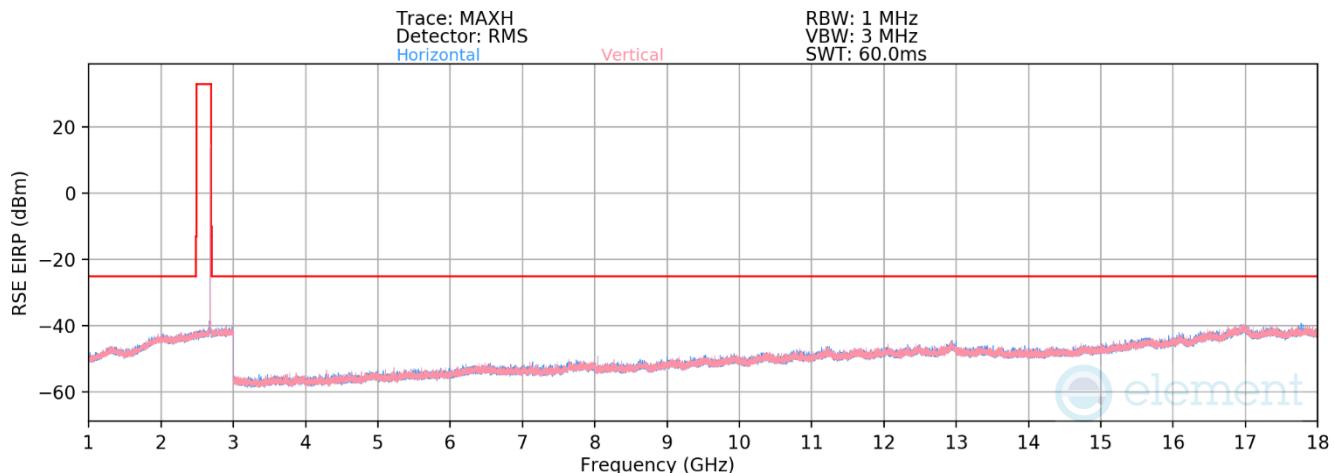
Table 7-14. Radiated Spurious Data (NR Band n7 – High Channel)

FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch					

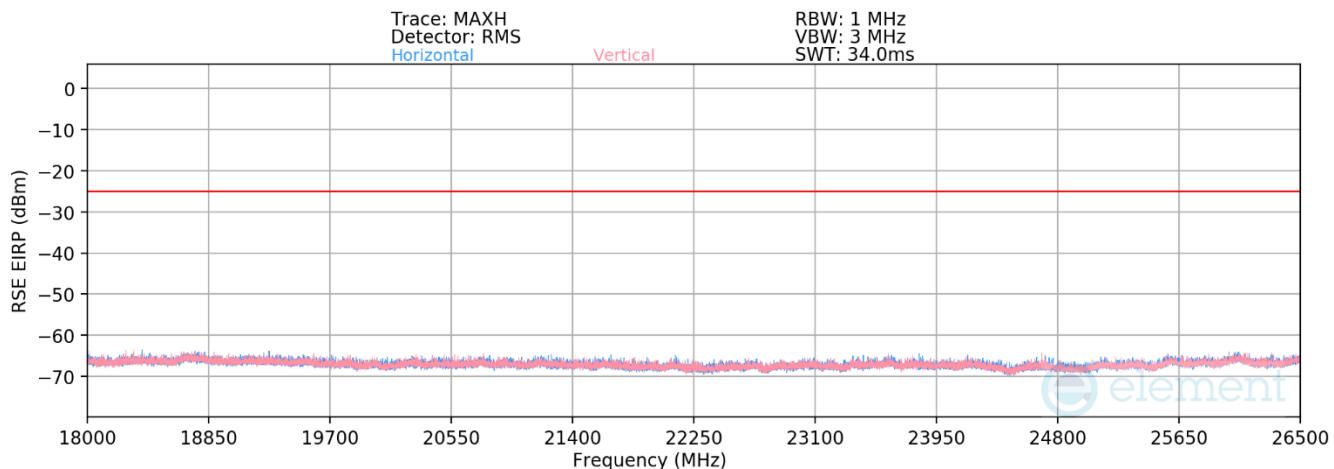
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NR Band n41



Plot 7-135. Antenna FCM Radiated Spurious Plot 1GHz – 18GHz (NR Band n41)



Plot 7-136. Antenna FCM Radiated Spurious Emission above 18GHz (NR Band n41)

FCC ID: BCG-A3337	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2503270033-04.BCG	Test Dates: 01/31/2025 - 07/31/2025	EUT Type: Watch		Page 101 of 110

Bandwidth (MHz):	20
Frequency (MHz):	2506.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	393	18	-79.41	8.31	35.91	-59.35	-25.00	-34.35
7518.0	V	342	272	-77.62	11.29	40.67	-54.59	-25.00	-29.59
10024.0	H	-	-	-81.78	14.05	39.27	-55.99	-25.00	-30.99
12530.0	H	-	-	-83.54	18.81	42.27	-52.99	-25.00	-27.99
15036.0	V	-	-	-83.95	20.58	43.63	-51.63	-25.00	-26.63

Table 7-15. Radiated Spurious Data (NR Band n41 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-80.62	8.71	35.09	-60.17	-25.00	-35.17
7779.0	V	229	188	-77.81	11.27	40.46	-54.80	-25.00	-29.80
10372.0	V	-	-	-81.28	14.66	40.38	-54.88	-25.00	-29.88
12965.0	V	-	-	-82.97	20.26	44.29	-50.97	-25.00	-25.97
15558.0	V	-	-	-84.33	21.78	44.45	-50.81	-25.00	-25.81

Table 7-16. Radiated Spurious Data (NR Band n41 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	H	-	-	-80.89	8.77	34.88	-60.38	-25.00	-35.38
8040.0	V	100	43	-73.98	11.32	44.34	-50.91	-25.00	-25.91
10720.0	V	-	-	-81.71	14.84	40.14	-55.12	-25.00	-30.12
13400.0	V	-	-	-83.30	18.84	42.54	-52.72	-25.00	-27.72
16080.0	H	-	-	-84.37	23.33	45.96	-49.30	-25.00	-24.30

Table 7-17. Radiated Spurious Data (NR Band n41 – High Channel)

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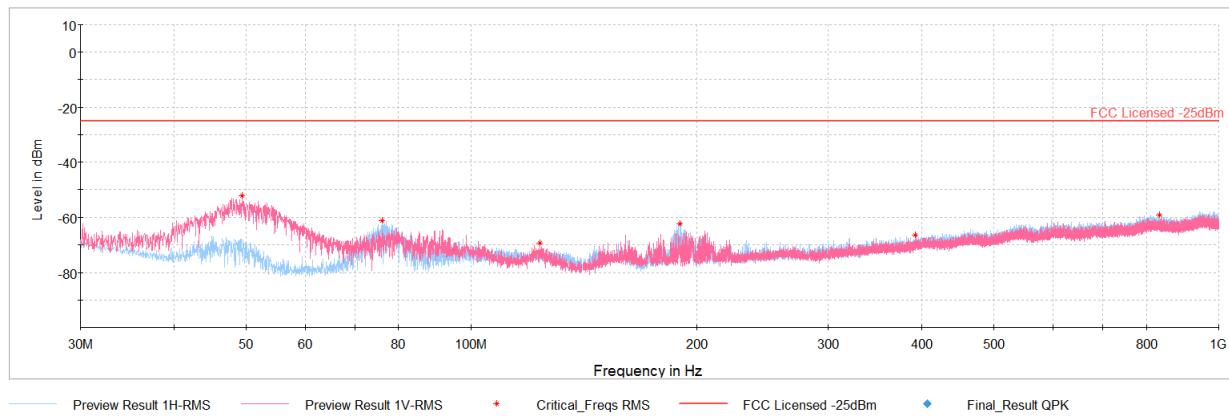
V2.2 09/07/2023

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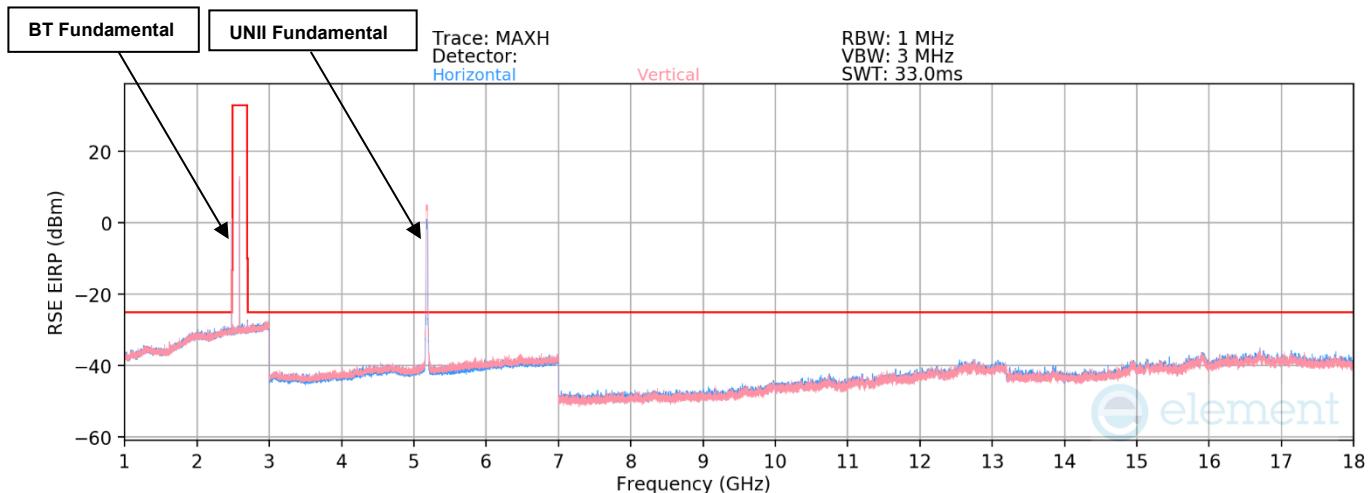
7.6.2 Simultaneous Tx Radiated Spurious Emissions Measurements

Description	Bluetooth	FR1 (Band n41)	UNII
Antenna	FCM	FCM	FCM
Channel	78	518600	36
Operating Frequency (MHz)	2480	2593	5180
Mode/Modulation	GFSK ePA	QPSK/1RB/10MHz	802.11n

Table 7-18. Worst Case Simultaneous Transmission Configuration

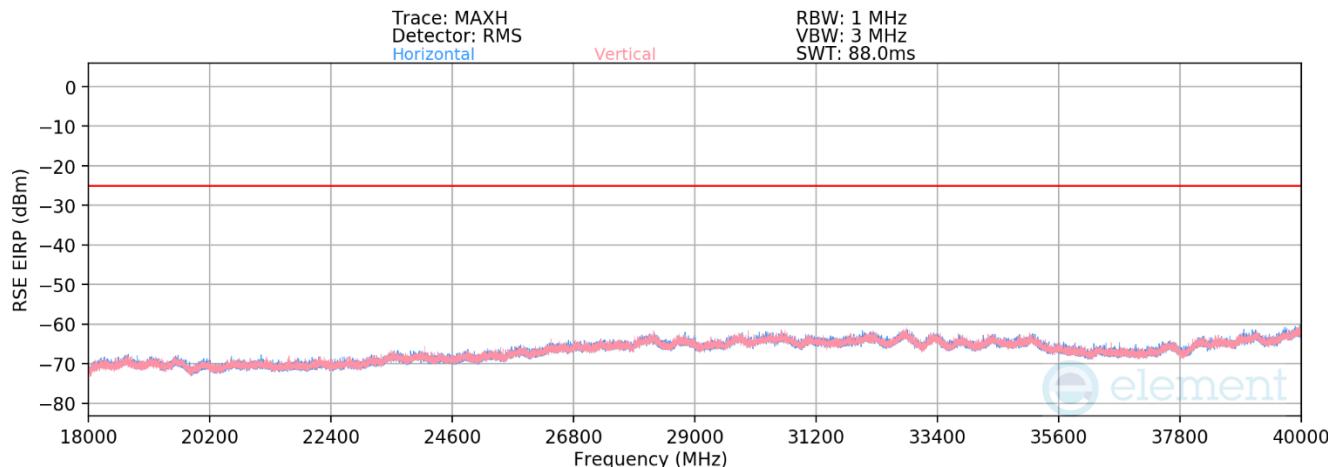


Plot 7-137. Radiated Spurious Emissions - Simultaneous Transmission 30MHz – 1GHz



Plot 7-138. Radiated Spurious Emissions - Simultaneous Transmission 1GHz – 18GHz

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Plot 7-139. Radiated Spurious Emissions - Simultaneous Transmission Above 18GHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
4960.00	Peak	-	-	-	-69.05	15.88	53.83	73.98	-20.15
6483.00	Peak	V	101	241	-69.94	20.18	57.24	68.20	-10.96
7440.00	Peak	-	-	-	-72.49	13.10	47.61	73.98	-26.37
12400.00	Peak	-	-	-	-76.00	19.93	50.93	73.98	-23.05
10360.00	Peak	V	259	106	-66.50	17.41	57.91	68.20	-10.29
15540.00	Avg	-	-	-	-85.94	25.95	47.01	53.98	-6.97
15540.00	Peak	-	-	-	-73.64	25.77	59.13	73.98	-14.85

Table 7-19. BT and UNII Harmonics Emissions Measurements in Simultaneous Transmission Mode

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7767.00	V	354	130	-79.21	13.38	41.17	-54.09	-25.00	-29.09
10356.00	V	-	-	-84.91	16.35	38.44	-56.82	-25.00	-31.82
12945.00	V	-	-	-85.94	21.14	42.20	-53.06	-25.00	-28.06
2371.00*	V	-	-	-70.16	10.81	47.65	-47.61	-25.00	-22.61
2698.00*	V	348	311	-64.88	18.34	60.46	-34.80	-25.00	-9.80

Table 7-20. NR-n41 Harmonics and Intermodulation(*) Emissions Measurements in Simultaneous Transmission Mode

FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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7.7 Frequency Stability / Temperature Variation

§2.1055, §27.54

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26-2015 and TIA-603-E-2016. The frequency stability of the transmitter is measured by:

- Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI C63.26-2015

TIA-603-E-2016

Test Settings

- The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
- The equipment is turned on in a "standby" condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
- Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Test Setup

The EUT was connected via an RF cable to a spectrum analyzer with the EUT placed inside an environmental chamber. For LTE testing, in addition, the EUT was connected to a communication tester via an attenuated RF coupler.

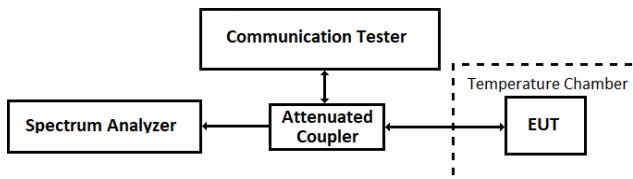


Figure 7-11. LTE Test Instrument & Measurement Setup

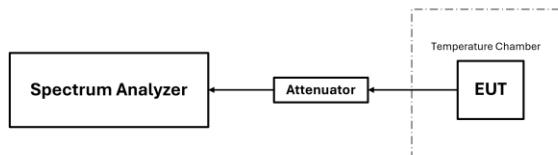


Figure 7-12. FR1 Test Instrument & Measurement Setup

Test Notes

None.

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Frequency Stability / Temperature Variation

LTE Band 7				
		Operating Band Lower Boundary (GHz)	2.500	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.5000794	-0.0000794
		- 20	2.5003333	-0.0003333
		- 10	2.5002733	-0.0002733
		0	2.5003483	-0.0003483
		+ 10	2.5006241	-0.0006241
		+ 20 (Ref)	2.5002862	-0.0002862
		+ 30	2.5004716	-0.0004716
		+ 40	2.5003132	-0.0003132
		+ 50	2.5005732	-0.0005732
		Battery Endpoint	3.40	+ 20
			2.5001307	-0.0001307

Table 7-21. LTE Band 7 Lower Boundary Frequency Stability Data

LTE Band 7				
		Operating Band Upper Boundary (GHz)	2.570	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.5699914	-0.0000086
		- 20	2.5693271	-0.0006729
		- 10	2.5691409	-0.0008591
		0	2.5691976	-0.0008024
		+ 10	2.5693148	-0.0006852
		+ 20 (Ref)	2.5698927	-0.0001073
		+ 30	2.5692961	-0.0007039
		+ 40	2.5693895	-0.0006105
		+ 50	2.5696949	-0.0003051
		Battery Endpoint	3.40	+ 20
			2.5694087	-0.0005913

Table 7-22. LTE Band 7 Lower Boundary Frequency Stability Data

FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency Stability / Temperature Variation

LTE Band 41				
Operating Band Lower Boundary (GHz)		2.496		
Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.4969340	-0.0009340
		- 20	2.4961825	-0.0001825
		- 10	2.4961023	-0.0001023
		0	2.4960298	-0.0000298
		+ 10	2.4960012	-0.0000012
		+ 20 (Ref)	2.4969724	-0.0009724
		+ 30	2.4967071	-0.0007071
		+ 40	2.4962125	-0.0002125
		+ 50	2.4968996	-0.0008996
		Battery Endpoint	3.40	+ 20
			2.4961311	-0.0001311

Table 7-23. LTE Band 41 Lower Boundary Frequency Stability Data

LTE Band 41				
Operating Band Upper Boundary (GHz)		2.690		
Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.6891040	-0.0008960
		- 20	2.6890850	-0.0009150
		- 10	2.6898819	-0.0001181
		0	2.6897429	-0.0002571
		+ 10	2.6894698	-0.0005302
		+ 20 (Ref)	2.6891659	-0.0008341
		+ 30	2.6899603	-0.0000397
		+ 40	2.6899718	-0.0000282
		+ 50	2.6893377	-0.0006623
		Battery Endpoint	3.40	+ 20
			2.6899967	-0.0000033

Table 7-24. LTE Band 41 Lower Boundary Frequency Stability Data

FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency Stability / Temperature Variation

NR Band n7				
		Operating Band Lower Boundary (GHz)	2.500	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.5003986	-0.0003986
		- 20	2.5006584	-0.0006584
		- 10	2.5007616	-0.0007616
		0	2.5007048	-0.0007048
		+ 10	2.5006421	-0.0006421
		+ 20 (Ref)	2.5003825	-0.0003825
		+ 30	2.5003568	-0.0003568
		+ 40	2.5003666	-0.0003666
		+ 50	2.5007353	-0.0007353
		Battery Endpoint	2.5002292	-0.0002292

Table 7-25. NR Band n7 Lower Boundary Frequency Stability Data

NR Band n7				
		Operating Band Upper Boundary (GHz)	2.570	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.5695516	-0.0004484
		- 20	2.5699232	-0.0000768
		- 10	2.5697175	-0.0002825
		0	2.5698027	-0.0001973
		+ 10	2.5693660	-0.0006340
		+ 20 (Ref)	2.5693380	-0.0006620
		+ 30	2.5694798	-0.0005202
		+ 40	2.5697232	-0.0002768
		+ 50	2.5695648	-0.0004352
		Battery Endpoint	2.5694524	-0.0005476

Table 7-26. NR Band n7 Lower Boundary Frequency Stability Data

FCC ID: BCG-A3337	 element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency Stability / Temperature Variation

NR Band n41				
		Operating Band Lower Boundary (GHz)	2.496	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.4962863	-0.0002863
		- 20	2.4965261	-0.0005261
		- 10	2.4968037	-0.0008037
		0	2.4964279	-0.0004279
		+ 10	2.4965511	-0.0005511
		+ 20 (Ref)	2.4966839	-0.0006839
		+ 30	2.4964419	-0.0004419
		+ 40	2.4964231	-0.0004231
		+ 50	2.4964427	-0.0004427
		Battery Endpoint	2.4961792	-0.0001792

Table 7-27. NR Band n41 Lower Boundary Frequency Stability Data

NR Band n41				
		Operating Band Upper Boundary (GHz)	2.690	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.6894656	-0.0005344
		- 20	2.6897436	-0.0002564
		- 10	2.6896612	-0.0003388
		0	2.6895204	-0.0004796
		+ 10	2.6893715	-0.0006285
		+ 20 (Ref)	2.6894662	-0.0005338
		+ 30	2.6894540	-0.0005460
		+ 40	2.6895725	-0.0004275
		+ 50	2.6894215	-0.0005785
		Battery Endpoint	2.6894770	-0.0005230

Table 7-28. NR Band n41 Lower Boundary Frequency Stability Data

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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the Apple Watch FCC ID: BCG-A3337 complies with all the requirements of Part 27 of the FCC rules.

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