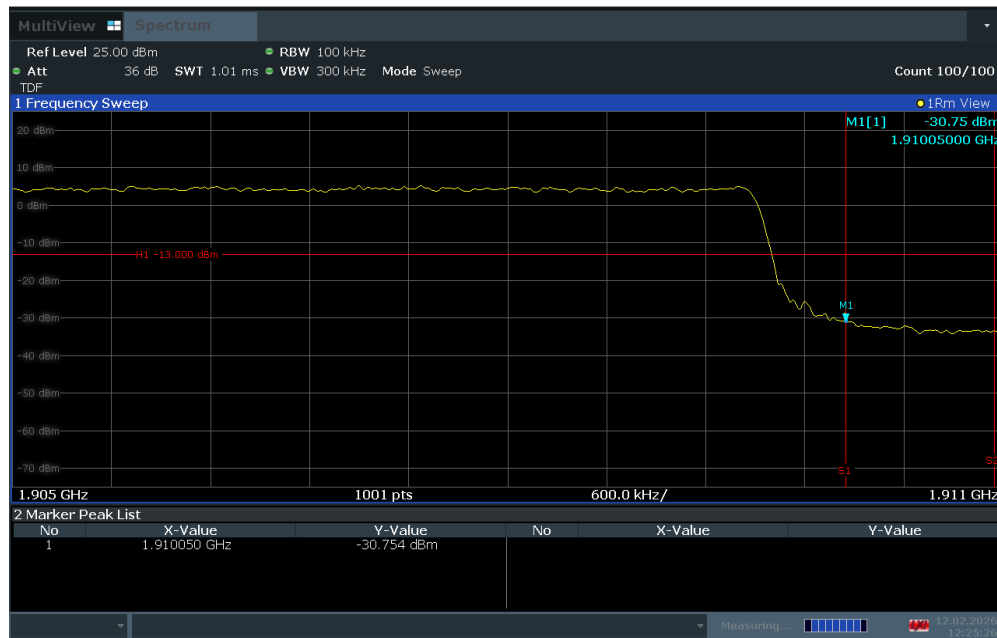


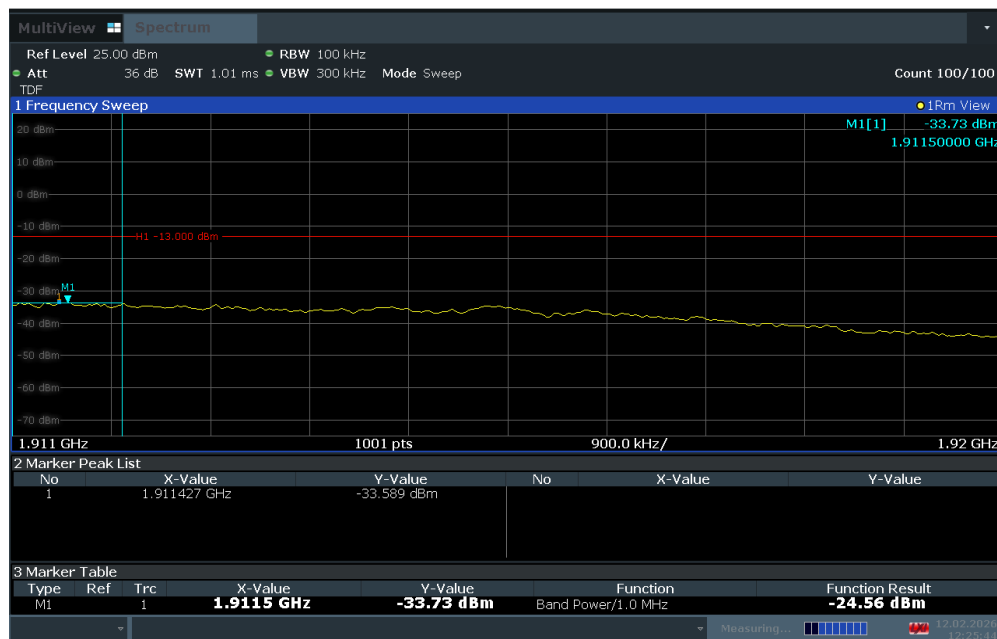
Peak



12:25:27 12.02.2026

Plot 7-81. Upper Band Edge Plot (LTE Band 2 – 10MHz QPSK – Full RB Configuration)

Peak

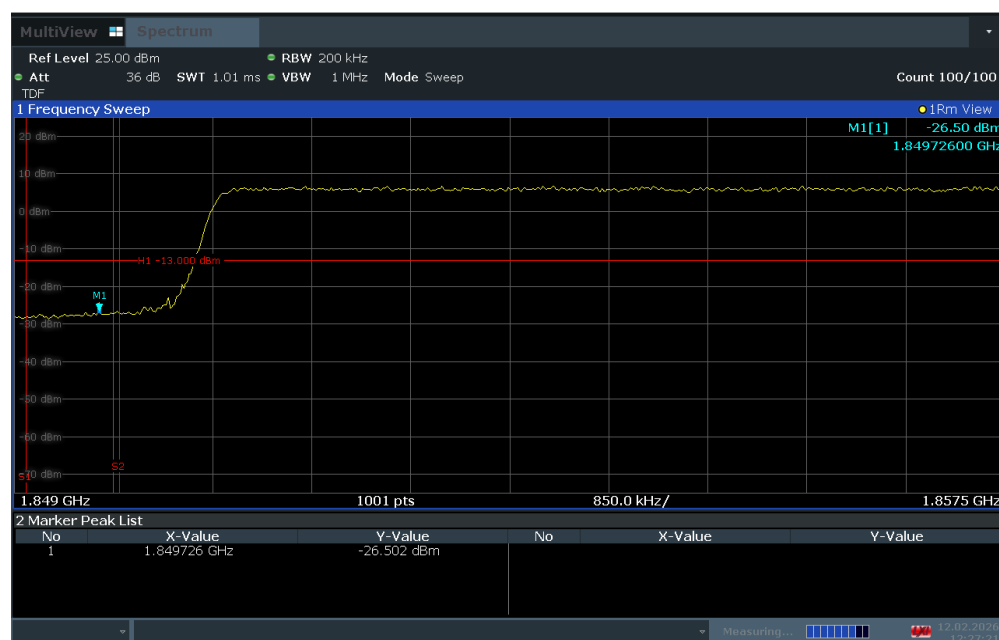


12:25:44 12.02.2026

Plot 7-82. Extended Upper Band Edge Plot (LTE Band 2 – 10MHz QPSK – Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 61 of 122

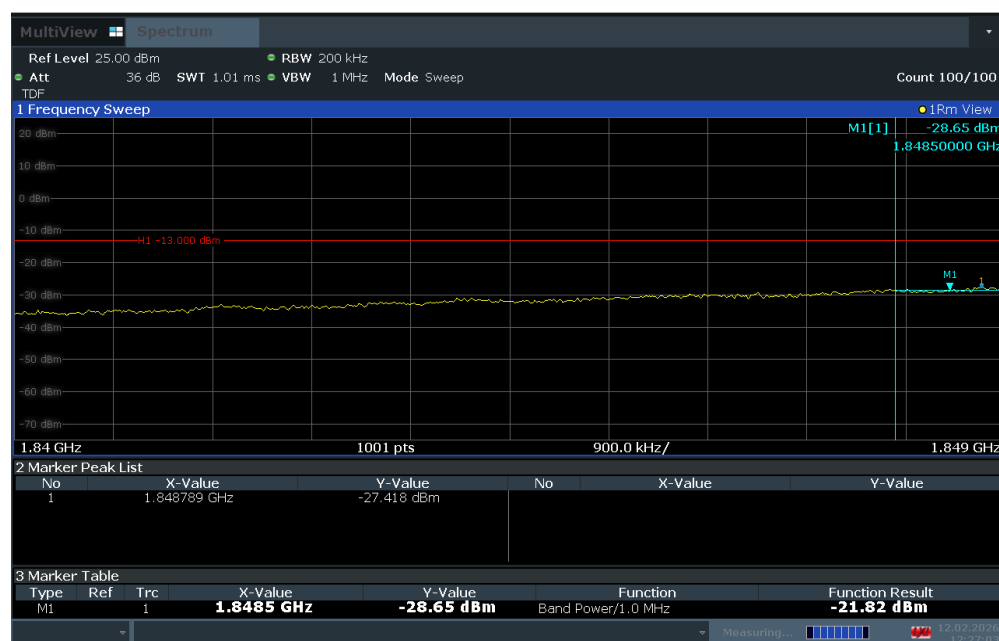
Peak



12:27:21 12.02.2026

Plot 7-83. Lower Band Edge Plot (LTE Band 2 – 15MHz QPSK – Full RB Configuration)

Peak



12:27:04 12.02.2026

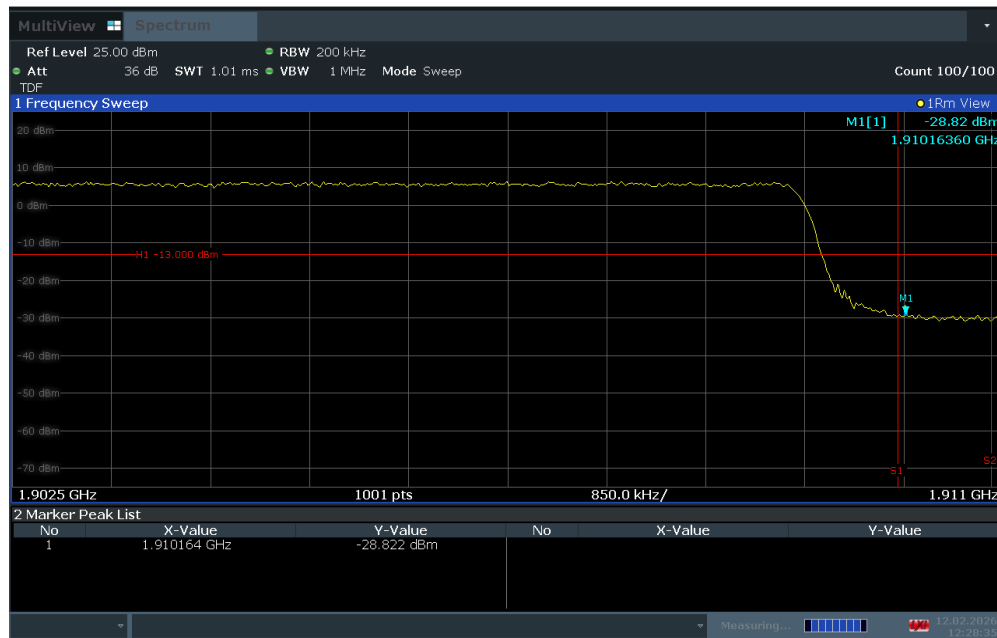
Plot 7-84. Extended Lower Band Edge Plot (LTE Band 2 – 15MHz QPSK – Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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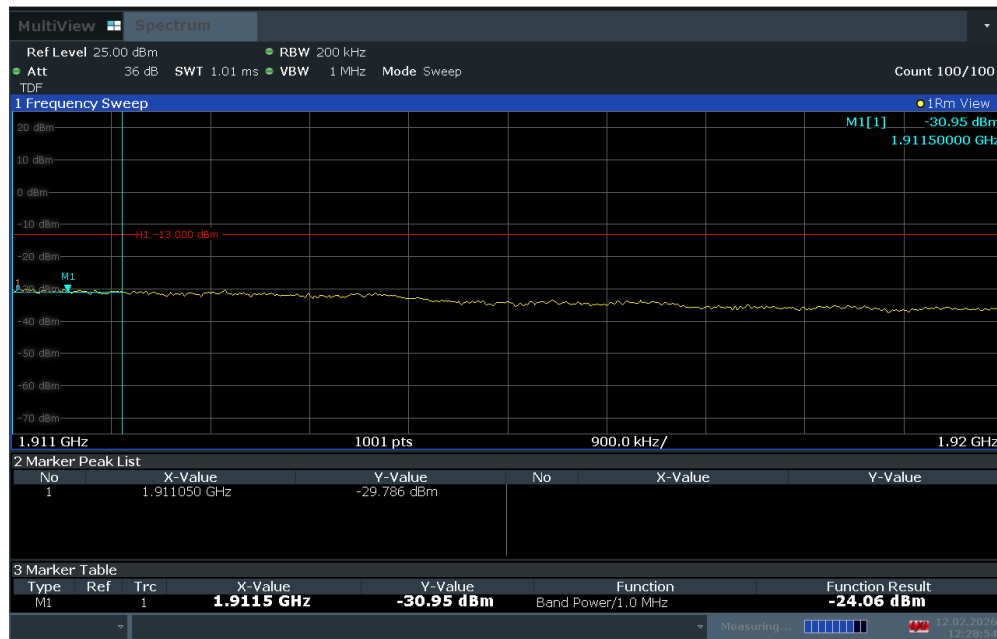
Peak



12:28:36 12.02.2026

Plot 7-85. Upper Band Edge Plot (LTE Band 2 – 15MHz QPSK – Full RB Configuration)

Peak



12:28:54 12.02.2026

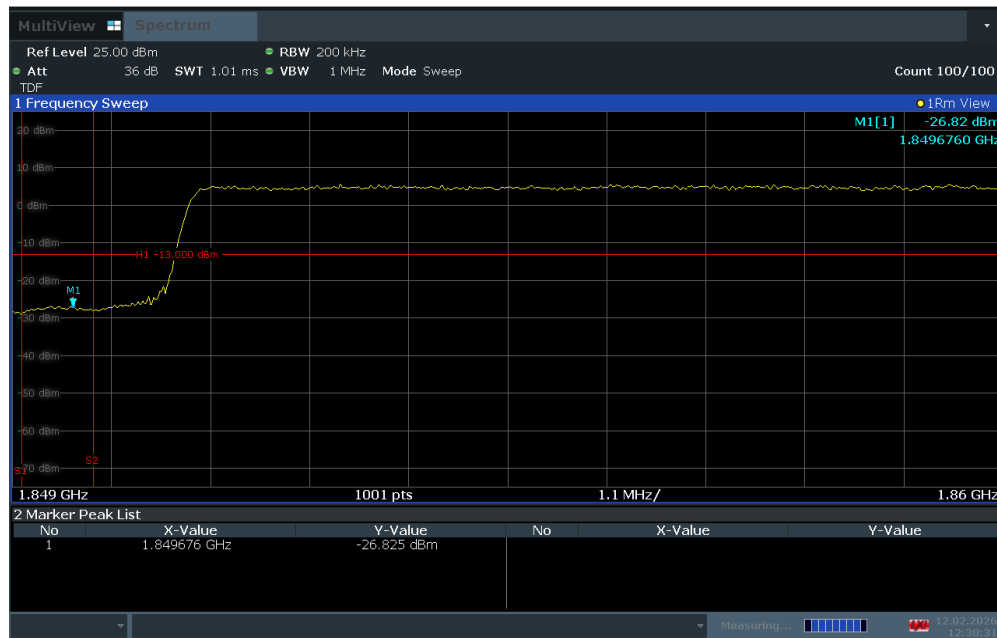
Plot 7-86. Extended Upper Band Edge Plot (LTE Band 2 – 15MHz QPSK – Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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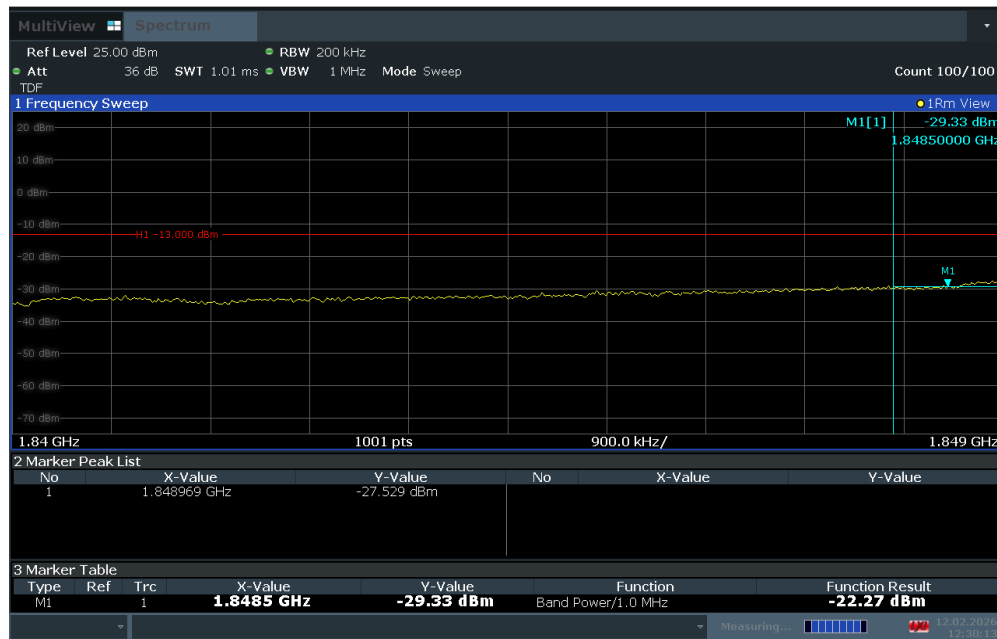
Peak



12:30:32 12.02.2026

Plot 7-87. Lower Band Edge Plot (LTE Band 2 – 20MHz QPSK – Full RB Configuration)

Peak



12:30:13 12.02.2026

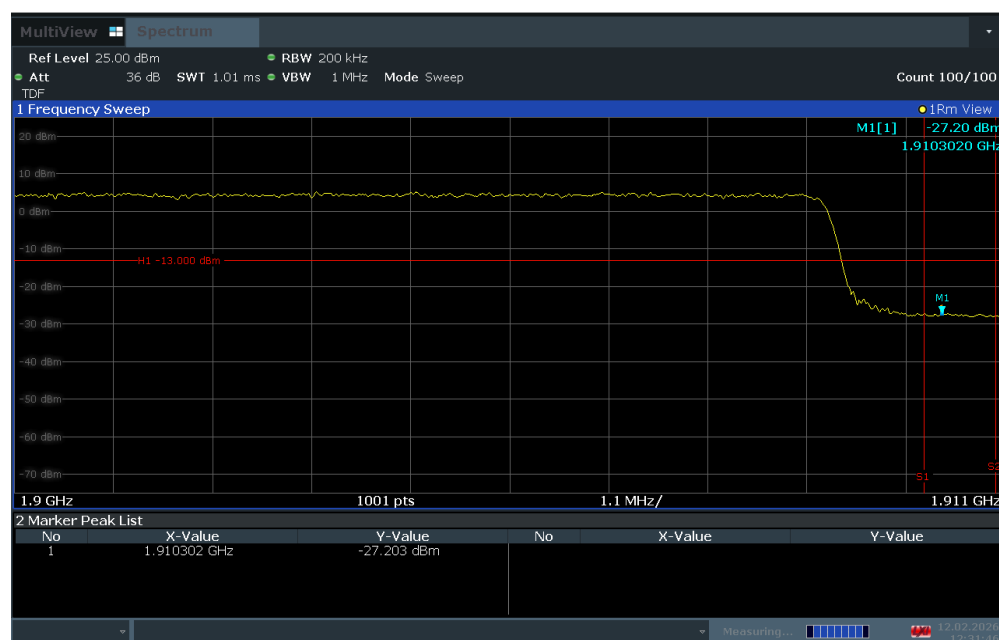
Plot 7-88. Extended Lower Band Edge Plot (LTE Band 2 – 20MHz QPSK – Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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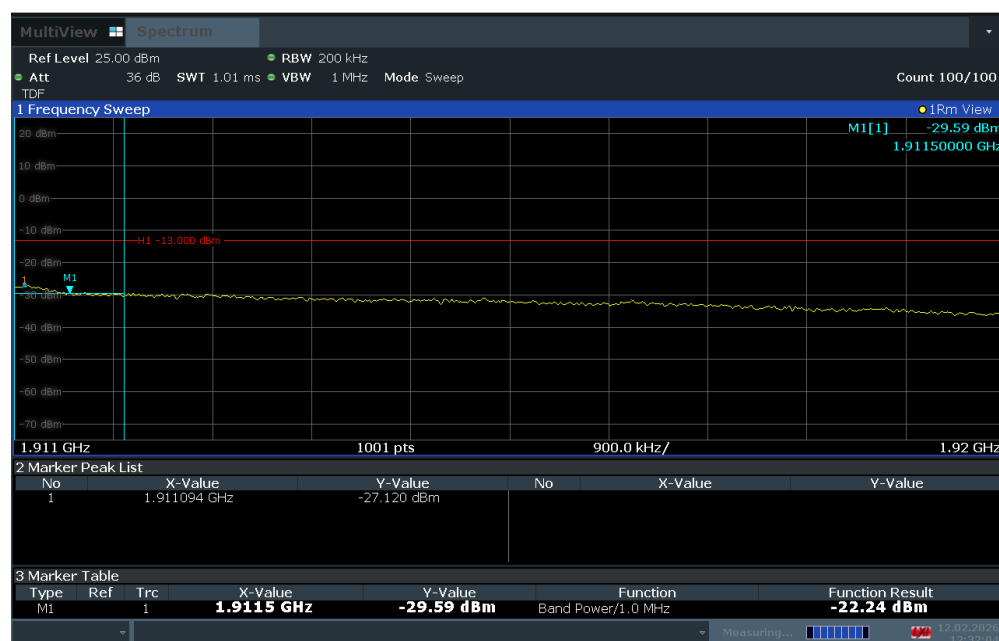
Peak



12:31:46 12.02.2026

Plot 7-89. Upper Band Edge Plot (LTE Band 2 – 20MHz QPSK – Full RB Configuration)

Peak



12:32:05 12.02.2026

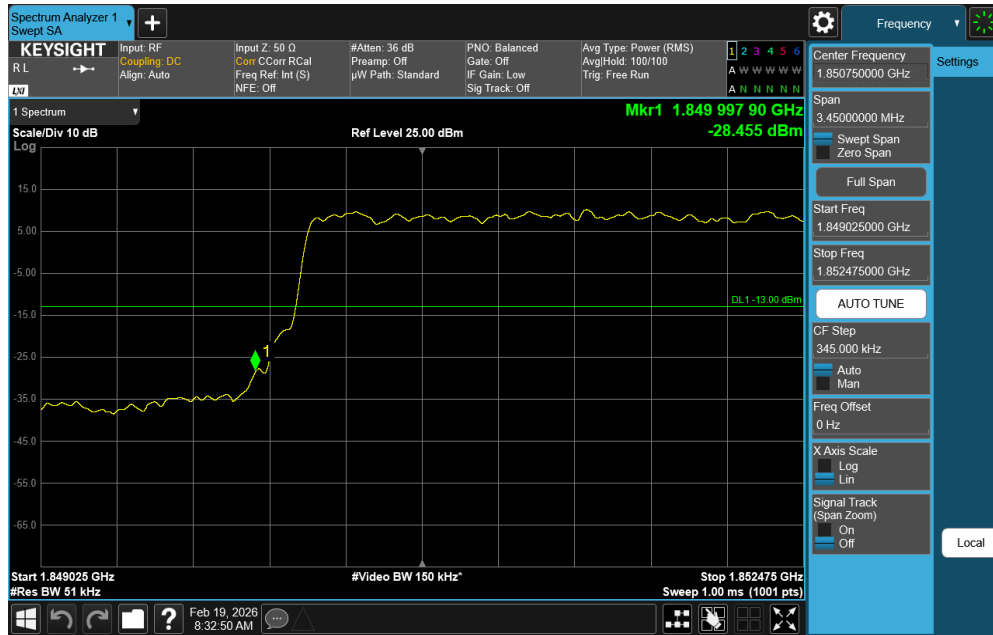
Plot 7-90. Extended Upper Band Edge Plot (LTE Band 2 – 20MHz QPSK – Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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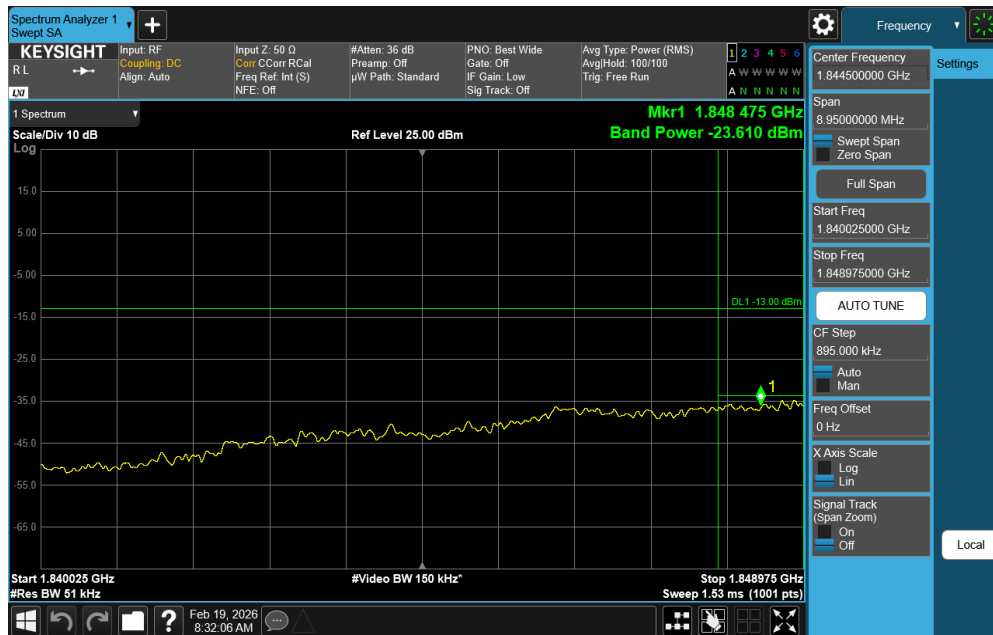
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NR Band n25



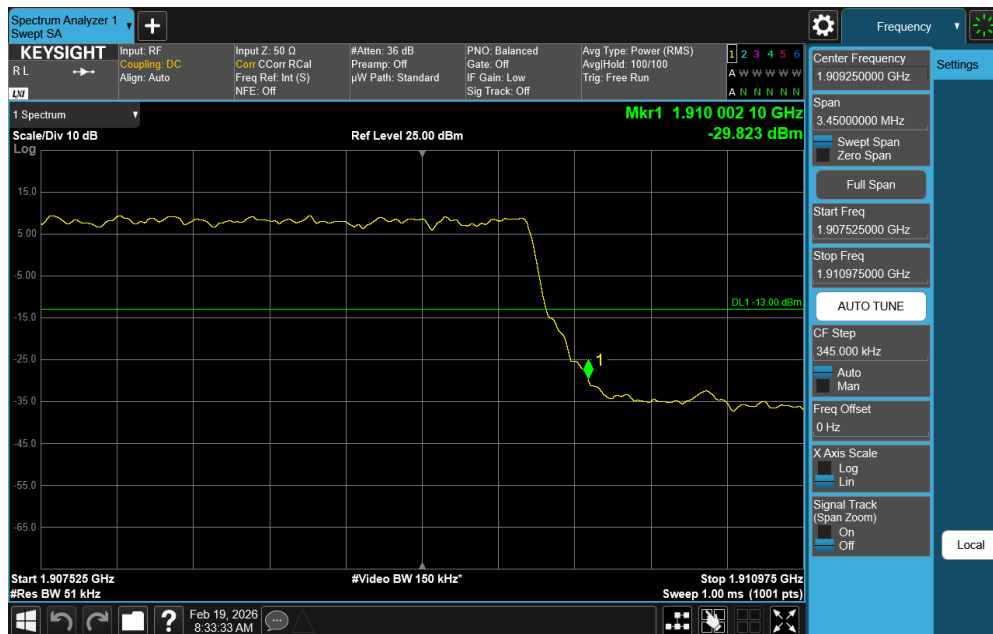
Plot 7-91. Lower Band Edge Plot (NR Band n25 – 5MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)



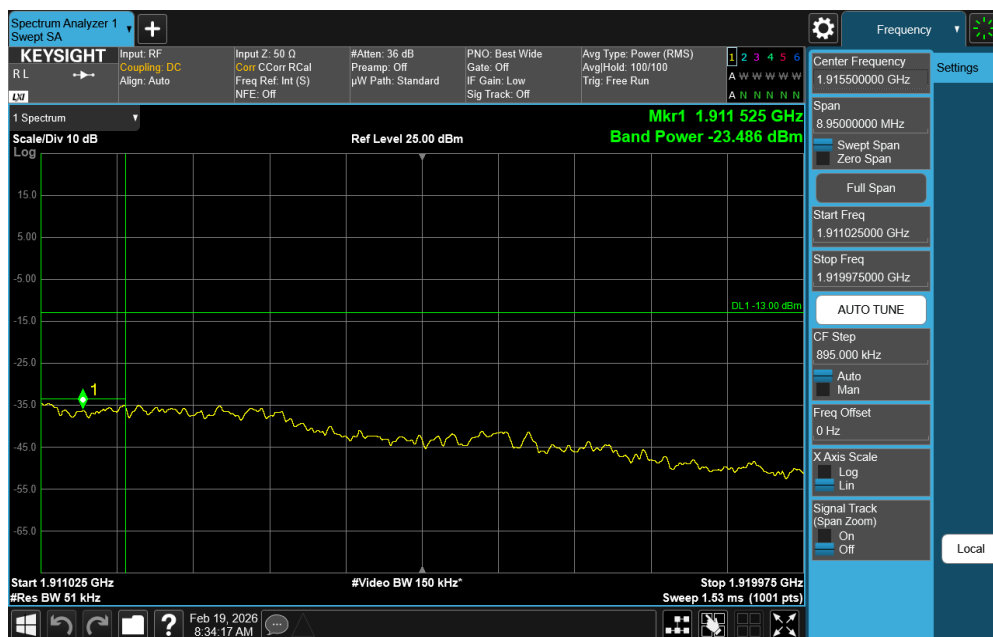
Plot 7-92. Extended Lower Band Edge Plot (NR Band n25 – 5MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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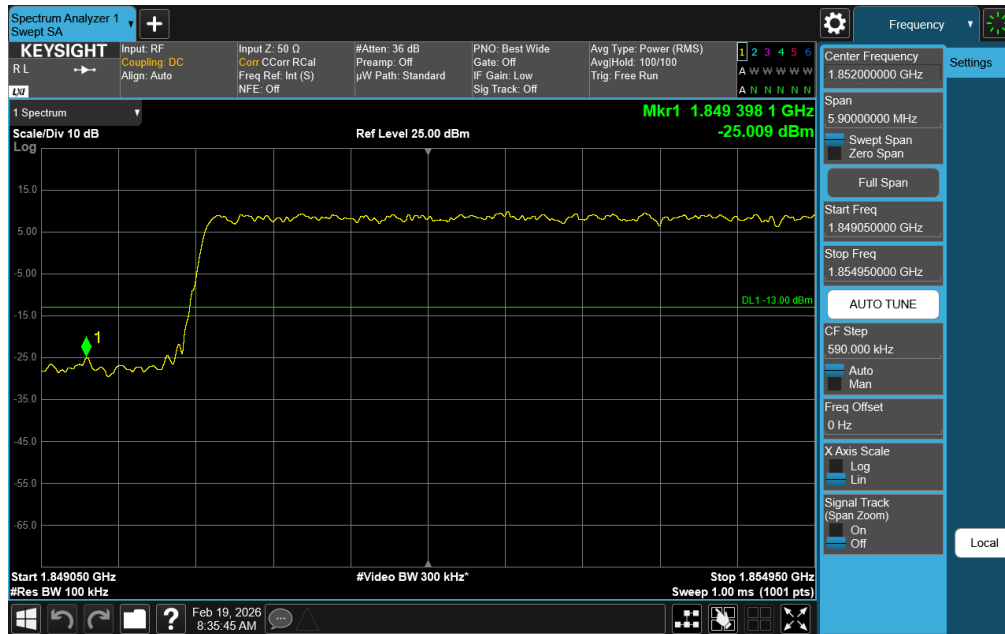


Plot 7-93. Upper Band Edge Plot (NR Band n25 – 5MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

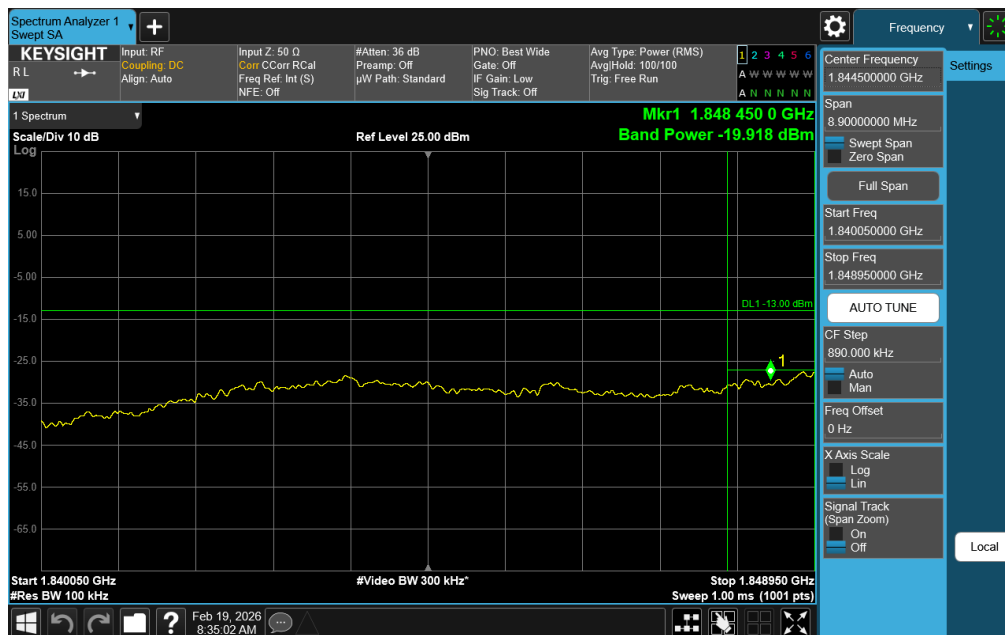


Plot 7-94. Extended Upper Band Edge Plot (NR Band n25 – 5MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 67 of 122



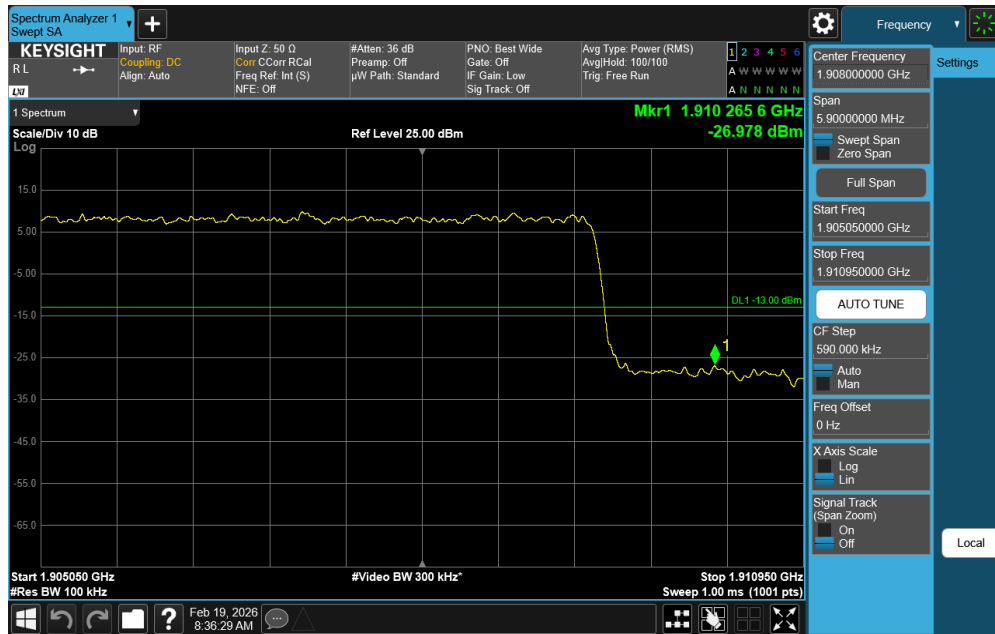
Plot 7-95. Lower Band Edge Plot (NR Band n25 – 10MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)



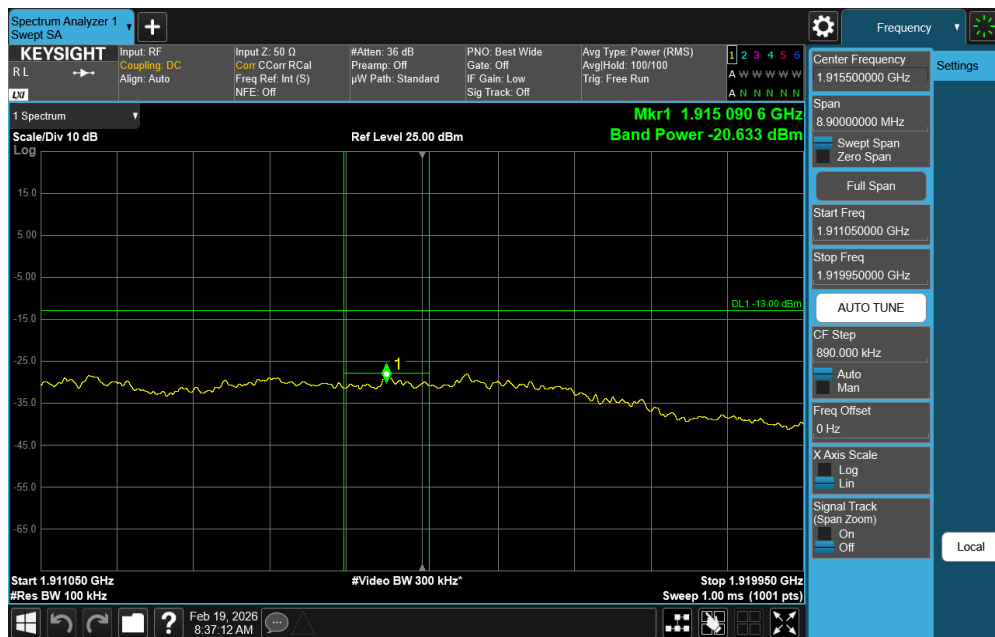
Plot 7-96. Extended Lower Band Edge Plot (NR Band n25 – 10MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582	element	Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 68 of 122

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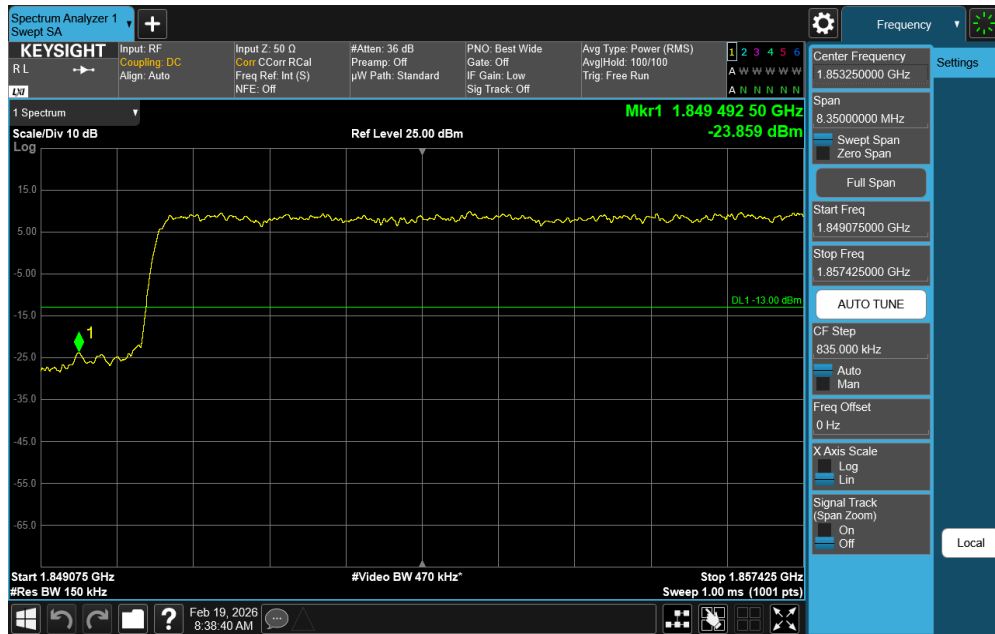


Plot 7-97. Upper Band Edge Plot (NR Band n25 – 10MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

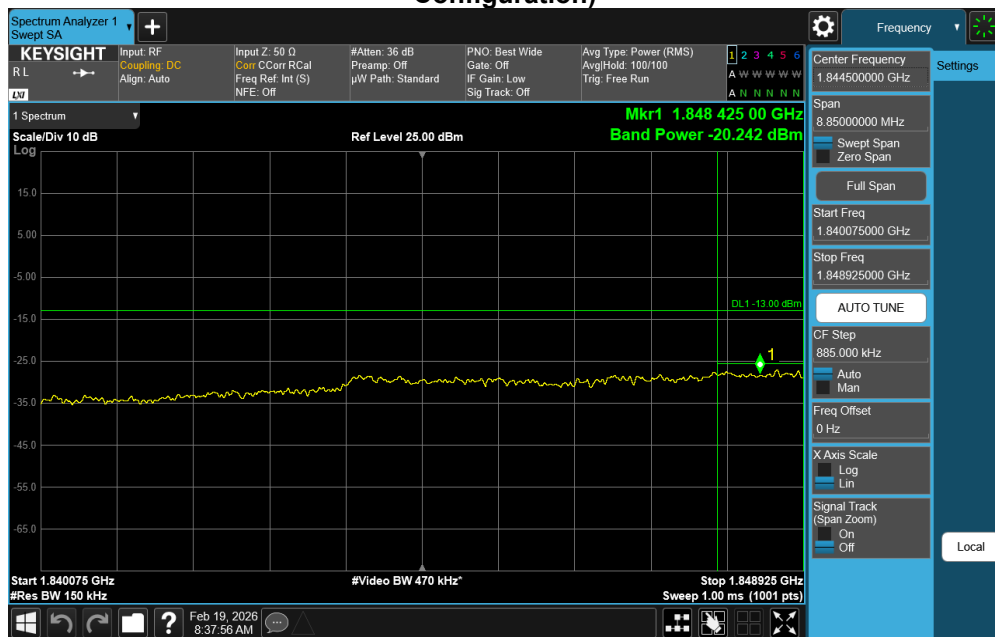


Plot 7-98. Extended Upper Band Edge Plot (NR Band n25 – 10MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 69 of 122

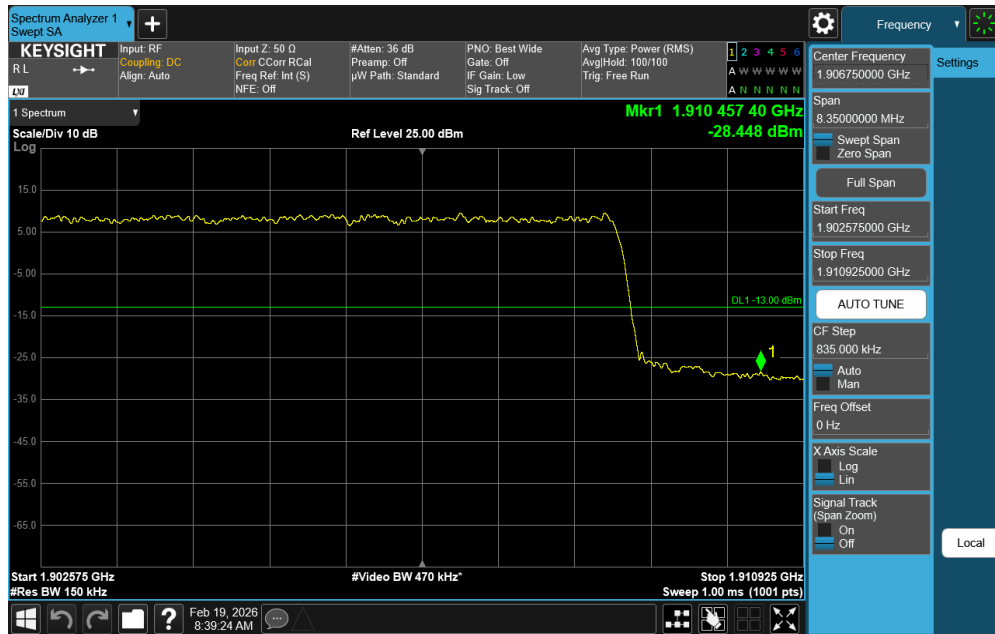


Plot 7-99. Extended Lower Band Edge Plot (NR Band n25 – 15MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

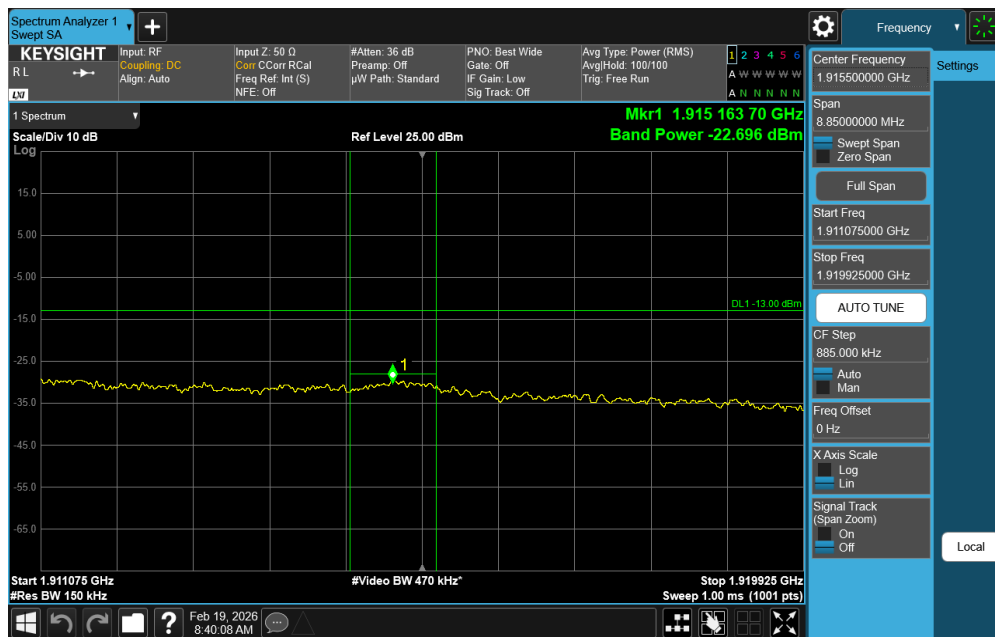


Plot 7-100. Lower Band Edge Plot (NR Band n25 – 15MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 70 of 122

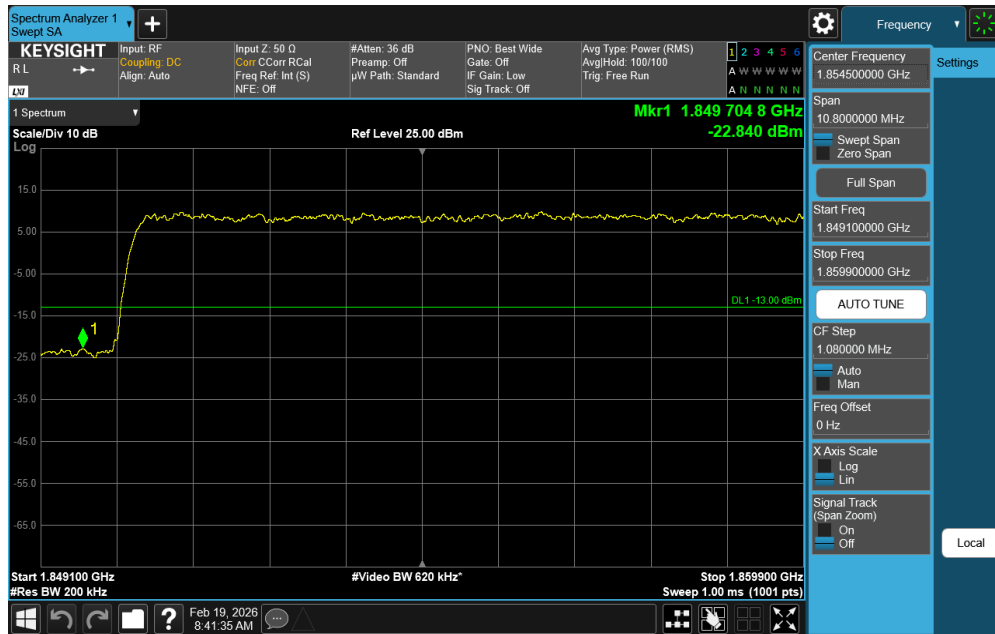


Plot 7-101. Upper Band Edge Plot (NR Band n25 – 15MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

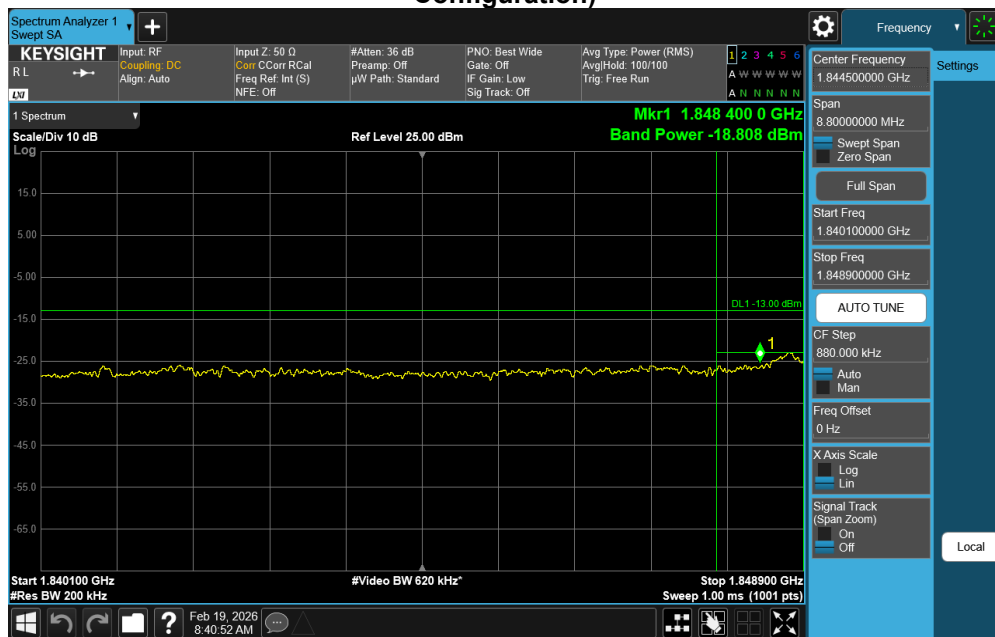


Plot 7-102. Extended Upper Band Edge Plot (NR Band n25 – 15MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 71 of 122



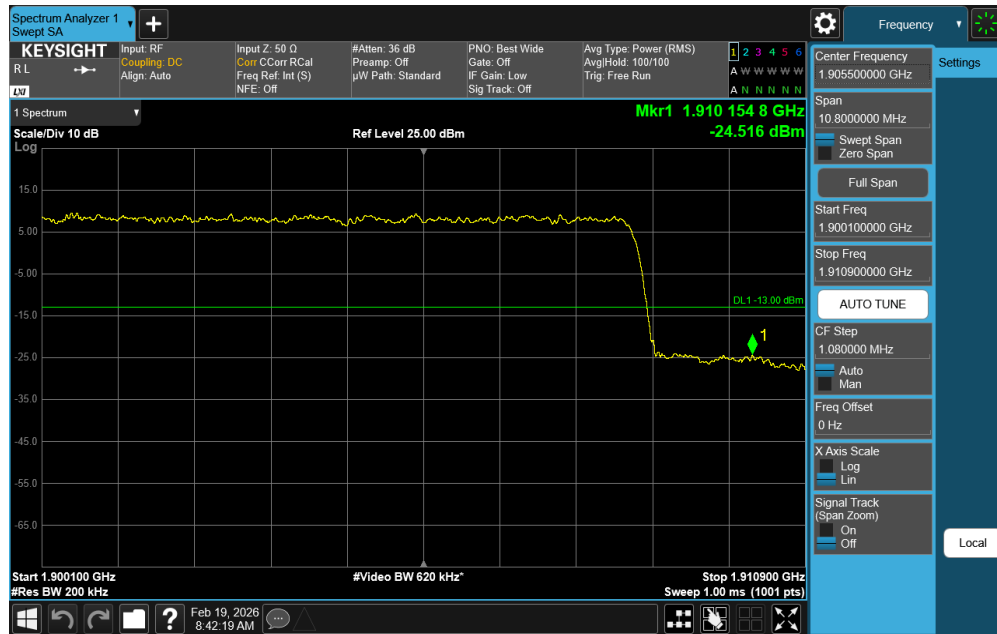
Plot 7-103. Extended Lower Band Edge Plot (NR Band n25 – 20MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)



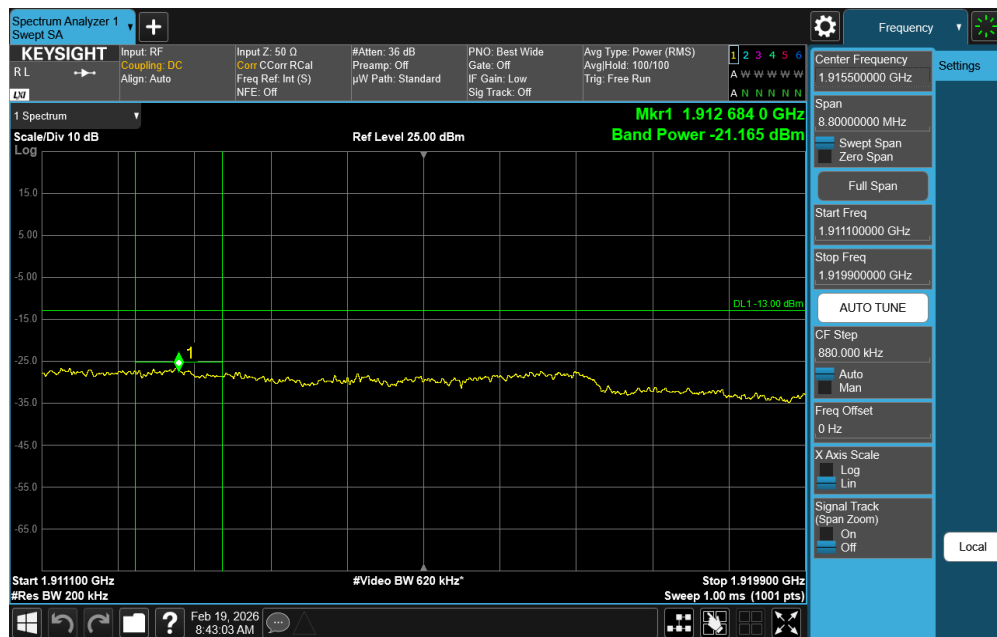
Plot 7-104. Lower Band Edge Plot (NR Band n25 – 20MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 72 of 122

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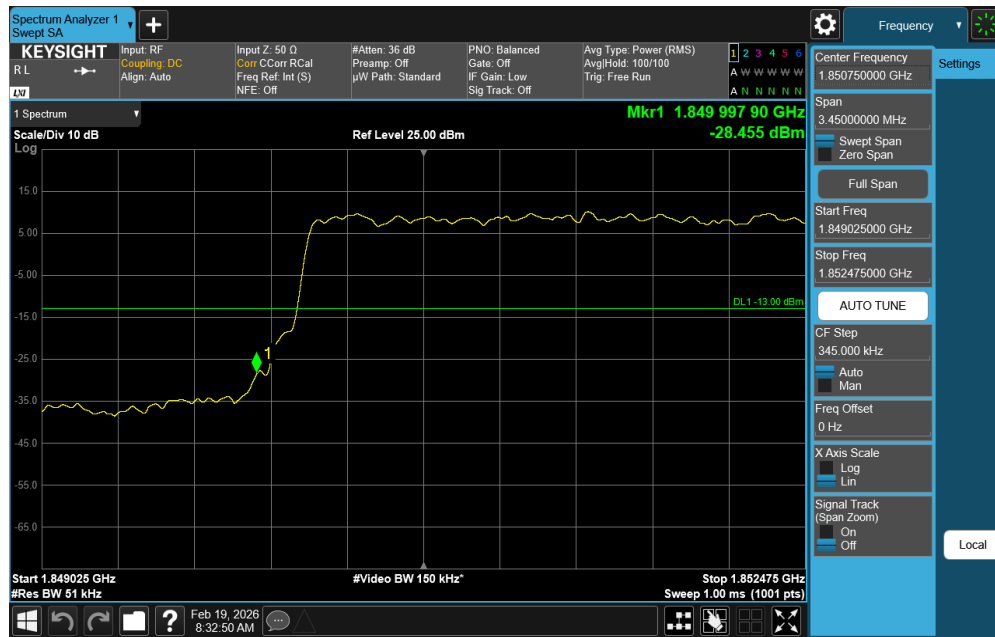
Plot 7-105. Upper Band Edge Plot (NR Band n25 – 20MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)



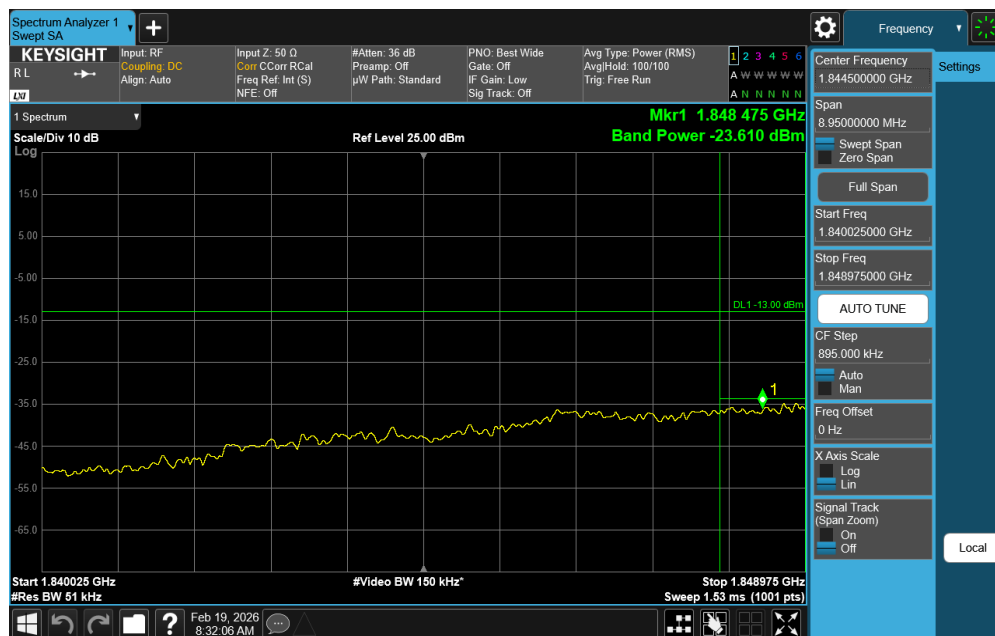
Plot 7-106. Extended Upper Band Edge Plot (NR Band n25 – 20MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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NR Band n2



Plot 7-107. Lower Band Edge Plot (NR Band n2 – 5MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

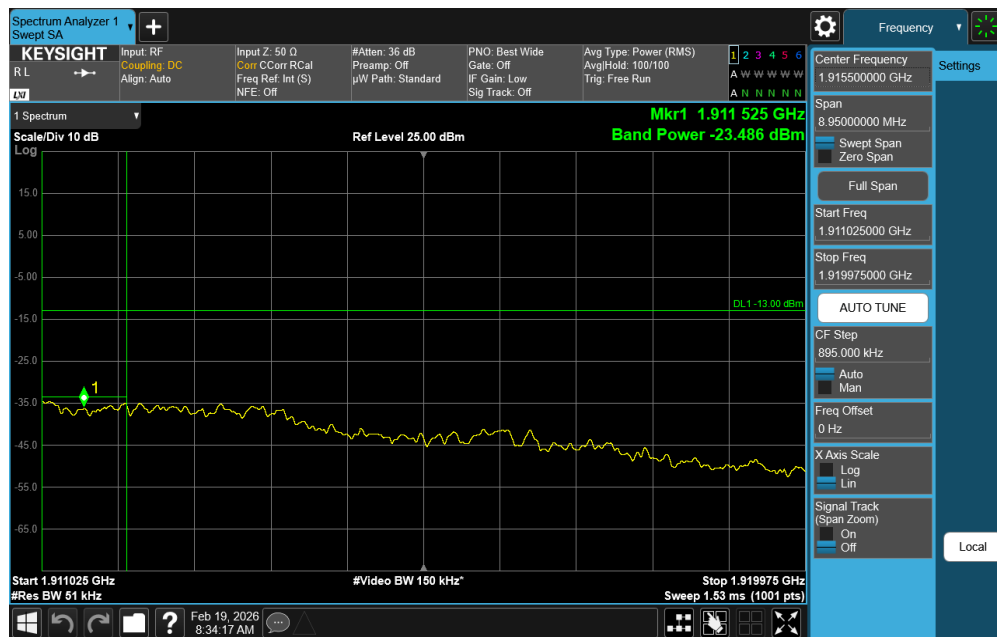


Plot 7-108. Extended Lower Band Edge Plot (NR Band n2 – 5MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

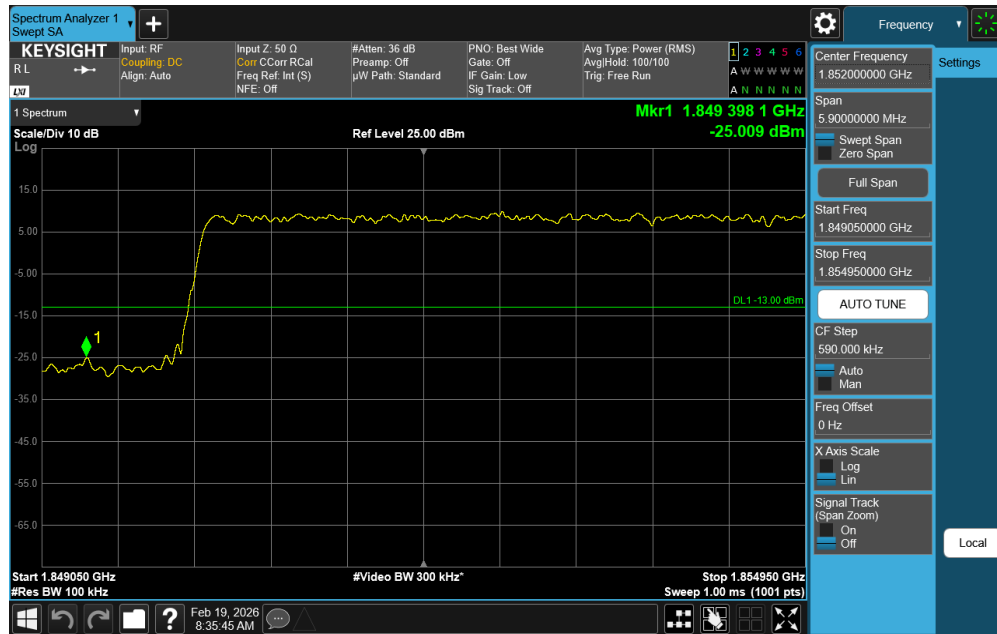
FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 74 of 122

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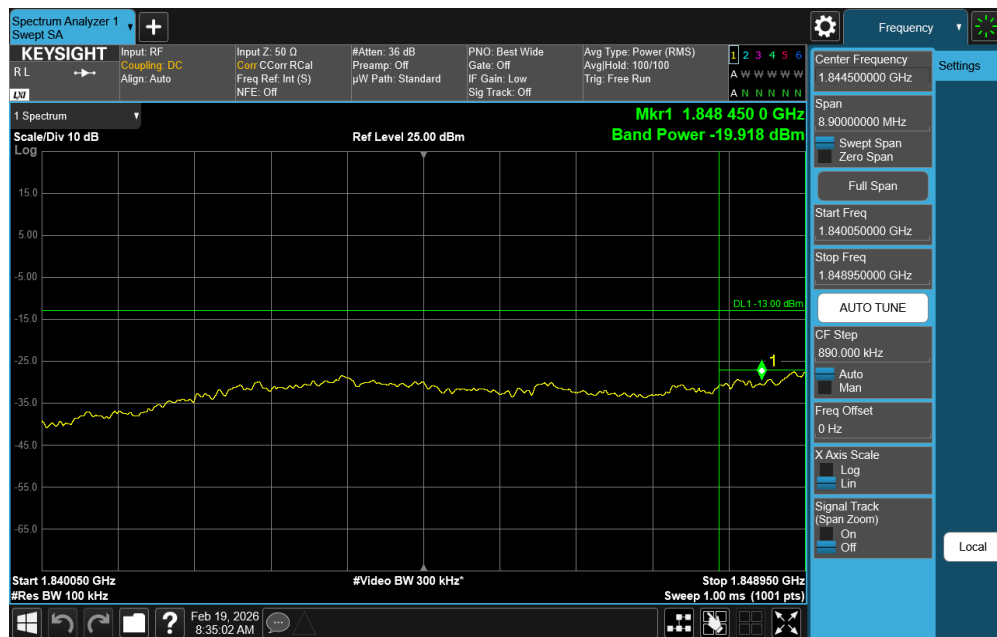
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Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 75 of 122

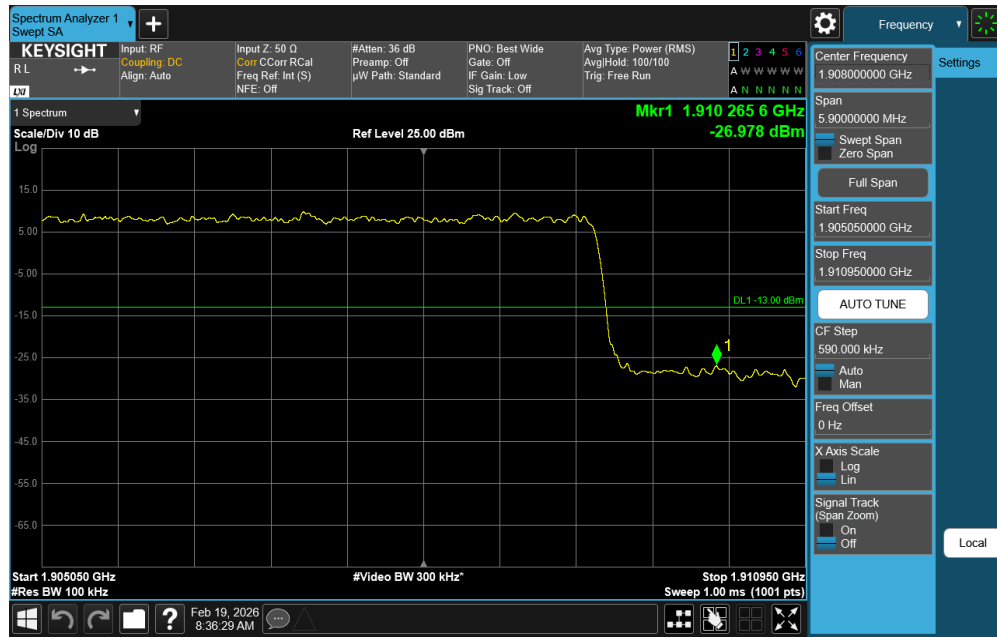


Plot 7-111. Lower Band Edge Plot (NR Band n2 – 10MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

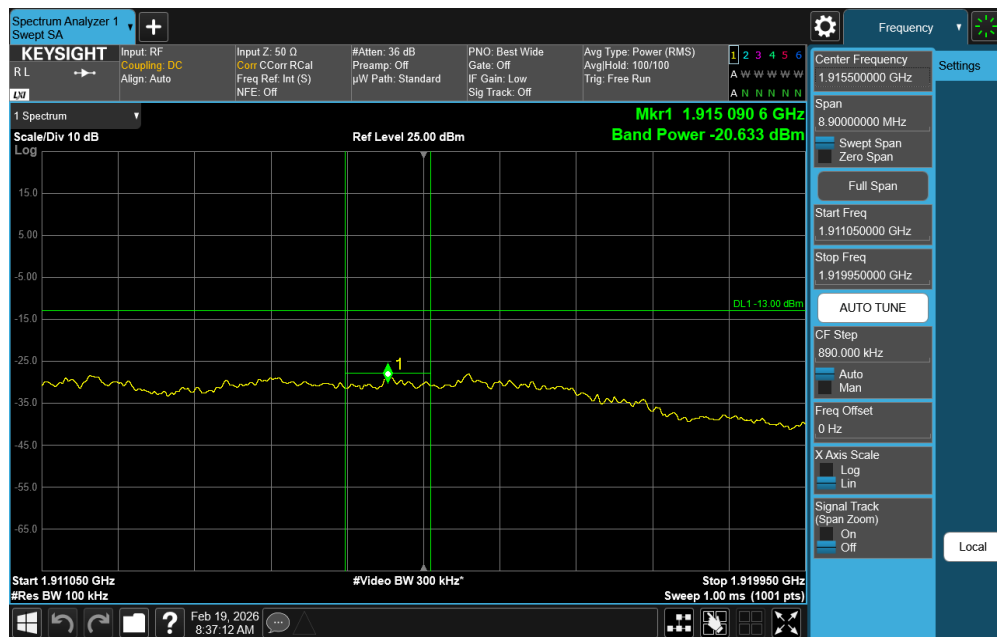


Plot 7-112. Extended Lower Band Edge Plot (NR Band n2 – 10MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 76 of 122

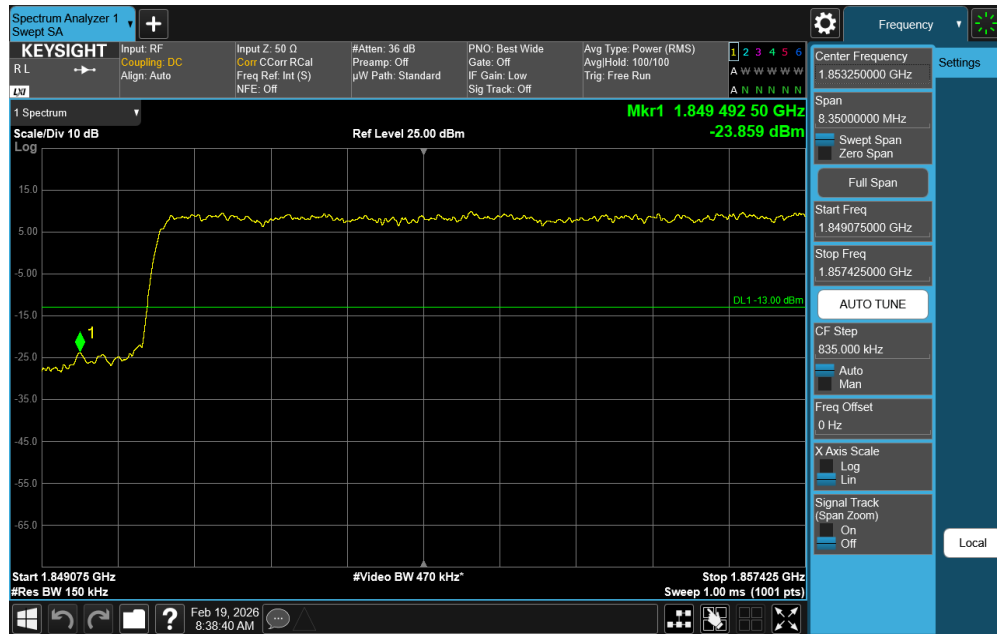


Plot 7-113. Upper Band Edge Plot (NR Band n2 – 10MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

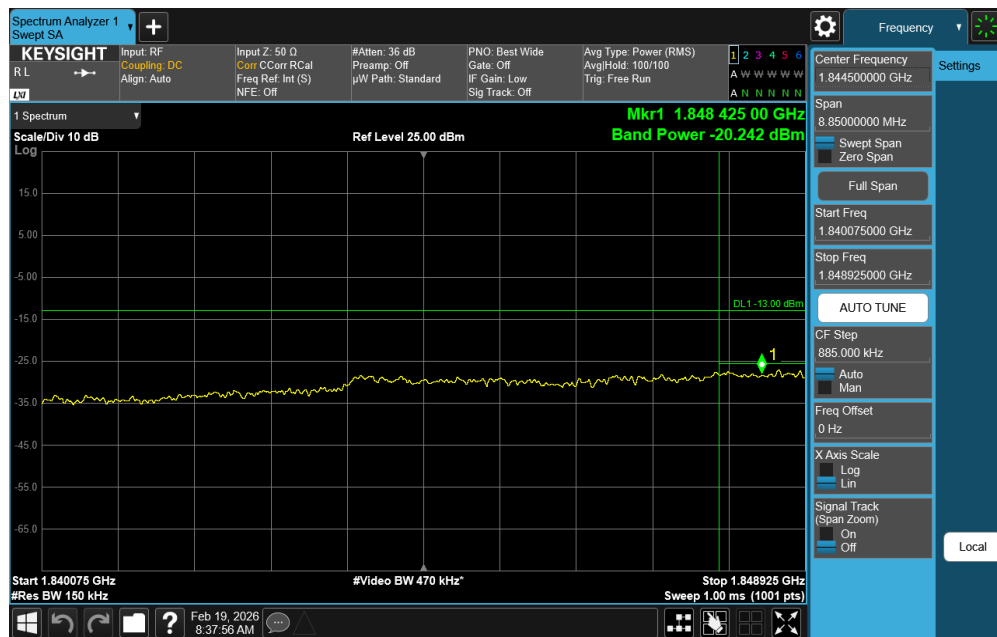


Plot 7-114. Extended Upper Band Edge Plot (NR Band n2 – 10MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582	element	Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 77 of 122

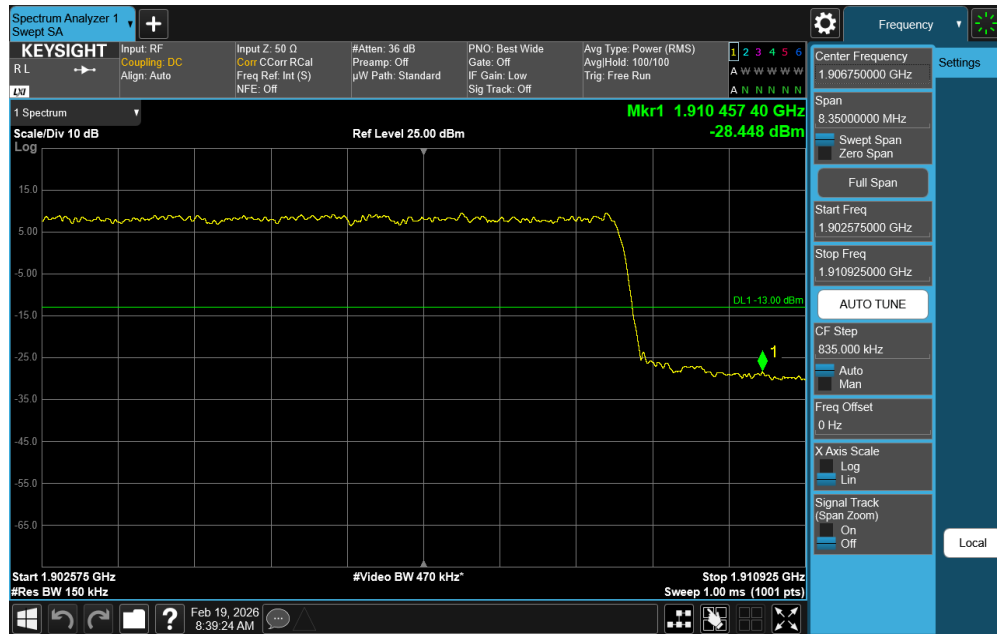


Plot 7-115. Lower Band Edge Plot (NR Band n2 – 15MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

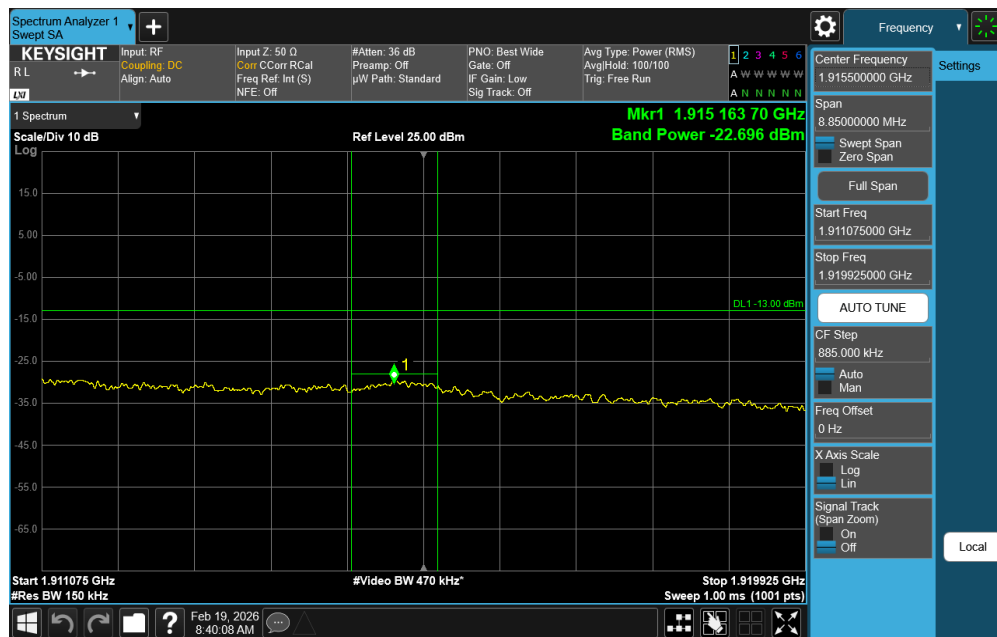


Plot 7-116. Extended Lower Band Edge Plot (NR Band n2 – 15MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 78 of 122

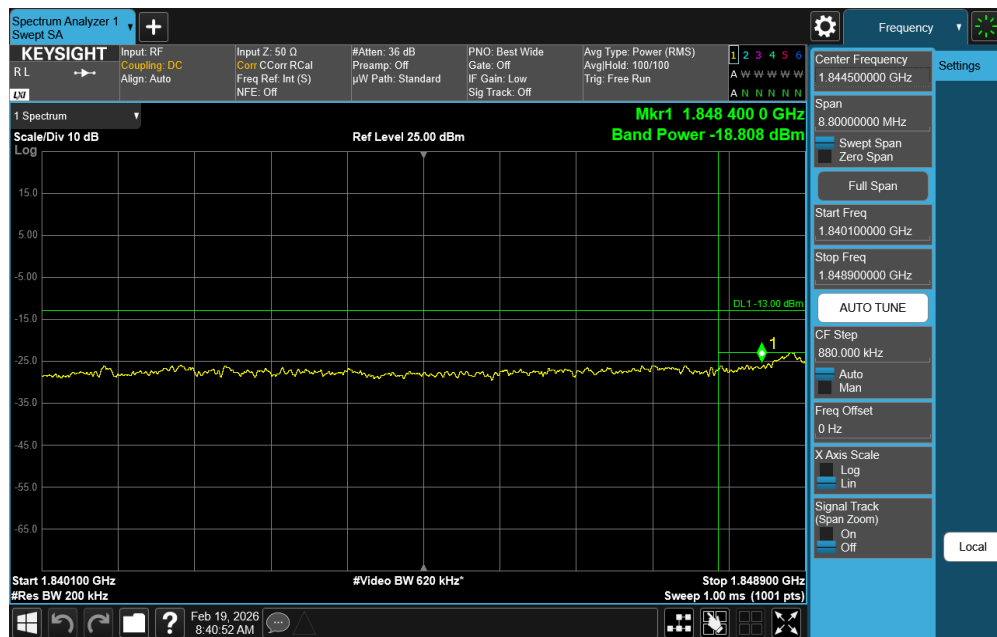
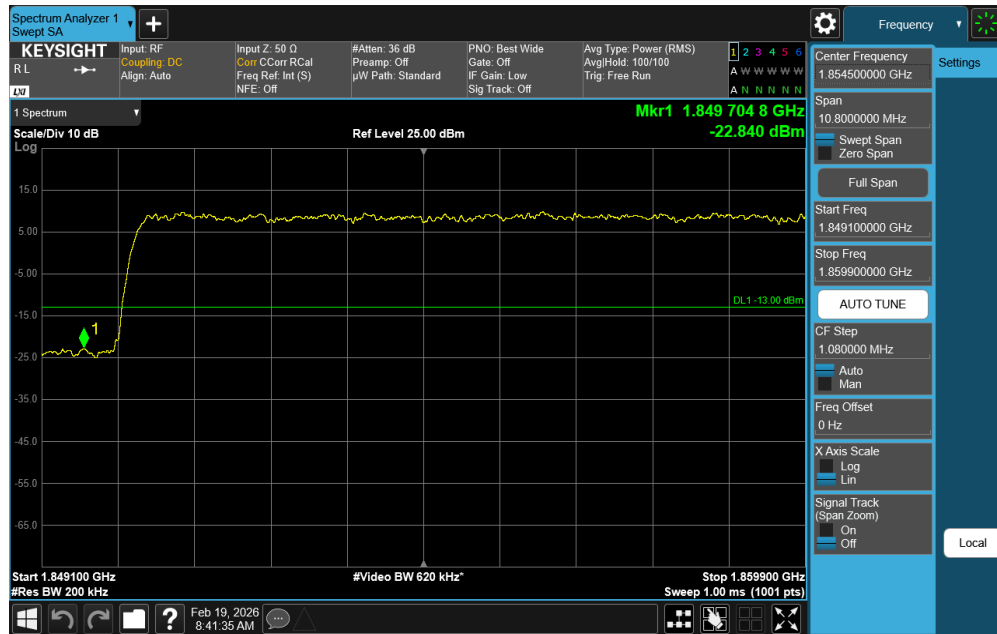


Plot 7-117. Upper Band Edge Plot (NR Band n2 – 15MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

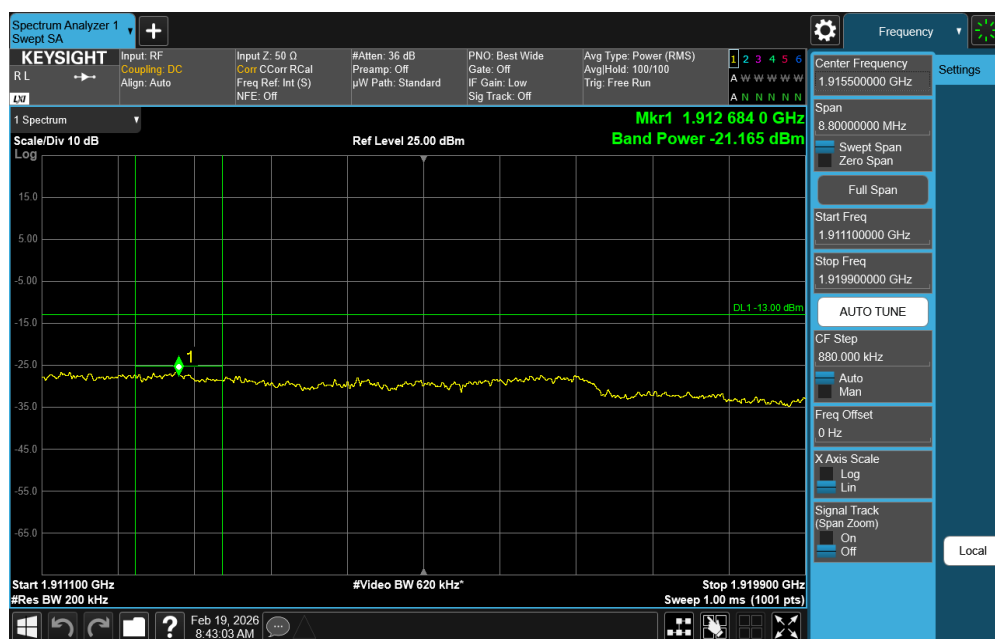
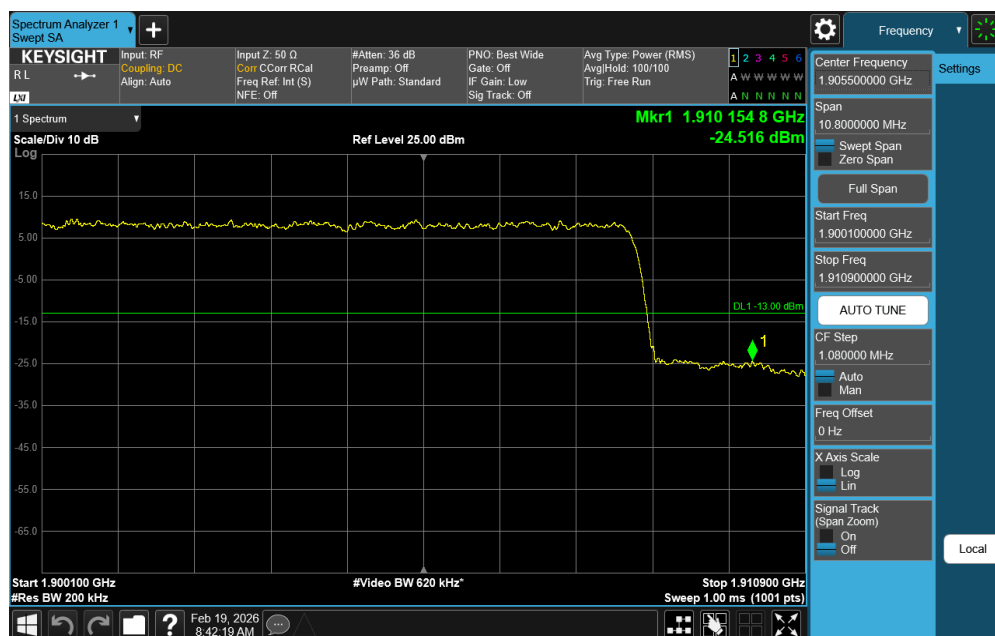


Plot 7-118. Extended Upper Band Edge Plot (NR Band n2 – 15MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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7.5 Peak-Average Ratio

Test Overview and Limit

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

The peak to average power ratio (PAPR) of the equipment shall not exceed 13 dB for more than 0.1% of the time.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 5.7.1

Test Settings

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW $\geq$ OBW or specified reference bandwidth
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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Test Setup

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

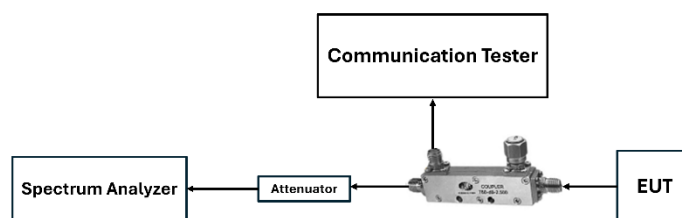


Figure 7-7. LTE Test Instrument & Measurement Setup

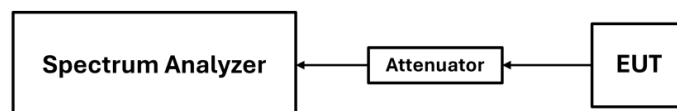


Figure 7-8. FR1 Test Instrument & Measurement Setup

Test Notes

1. 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. BPSK was selected as the lowest-order modulation, while 64QAM exhibited the highest peak-to-average power ratio among the QAM modulation. Therefore, only BPSK and 64QAM results are reported in this section.

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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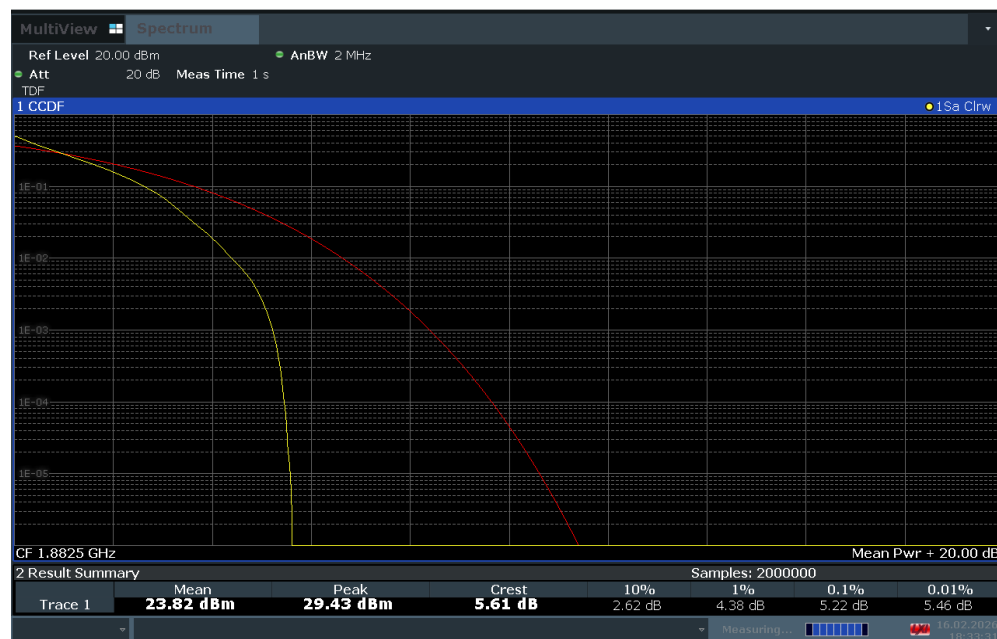
Mode	Bandwidth	Modulation	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
Band 2	1.4 MHz	QPSK	5.22	13	-7.78
		16-QAM	6.20	13	-6.80
	3 MHz	QPSK	5.32	13	-7.68
		16-QAM	5.92	13	-7.08
	5 MHz	QPSK	5.40	13	-7.60
		16-QAM	5.94	13	-7.06
	10 MHz	QPSK	5.38	13	-7.62
		16-QAM	5.80	13	-7.20
	15 MHz	QPSK	5.46	13	-7.54
		16-QAM	5.50	13	-7.50
	20 MHz	QPSK	5.30	13	-7.70
		16-QAM	5.40	13	-7.60
Band 25	1.4 MHz	QPSK	5.22	13	-7.78
		16-QAM	6.14	13	-6.86
	3 MHz	QPSK	5.24	13	-7.76
		16-QAM	5.86	13	-7.14
	5 MHz	QPSK	5.38	13	-7.62
		16-QAM	5.96	13	-7.04
	10 MHz	QPSK	5.42	13	-7.58
		16-QAM	5.76	13	-7.24
	15 MHz	QPSK	5.38	13	-7.62
		16-QAM	5.50	13	-7.50
	20 MHz	QPSK	5.30	13	-7.70
		16-QAM	5.40	13	-7.60
NR Band n2	5 MHz	$\pi/2$ BPSK	4.30	13	-8.70
		64-QAM	6.42	13	-6.58
	10 MHz	$\pi/2$ BPSK	4.28	13	-8.72
		64-QAM	6.35	13	-6.65
	15 MHz	$\pi/2$ BPSK	4.20	13	-8.80
		64-QAM	6.10	13	-6.90
	20 MHz	$\pi/2$ BPSK	4.20	13	-8.80
		64-QAM	6.41	13	-6.59
NR Band n25	5 MHz	$\pi/2$ BPSK	4.28	13	-8.72
		64-QAM	6.41	13	-6.59
	10 MHz	$\pi/2$ BPSK	4.19	13	-8.81
		64-QAM	6.41	13	-6.59
	15 MHz	$\pi/2$ BPSK	4.17	13	-8.83
		64-QAM	6.16	13	-6.84
	20 MHz	$\pi/2$ BPSK	4.13	13	-8.87
		64-QAM	6.41	13	-6.59

Table 7-4. Peak-Average Ratio Results

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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LTE Band 25

Peak



18:33:31 16.02.2026

Plot 7-123. PAR Plot (LTE Band 25 - 1.4MHz QPSK - Full RB Configuration)

Peak



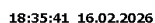
18:34:36 16.02.2026

Plot 7-124. PAR Plot (LTE Band 25 - 1.4MHz 16-QAM - Full RB Configuration)

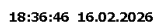
FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 85 of 122

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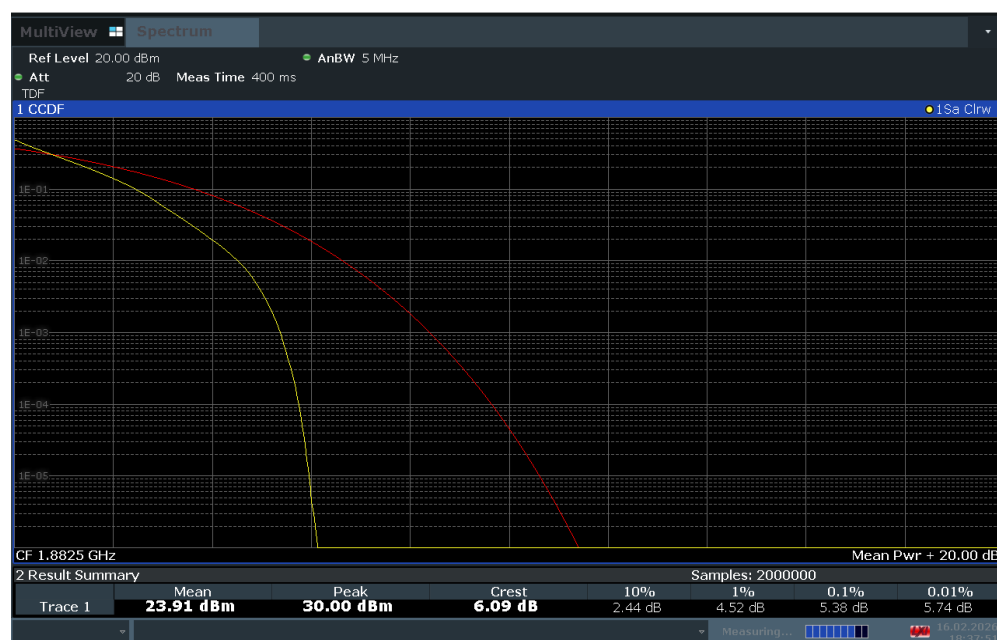


Peak



FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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Peak



18:37:51 16.02.2026

Plot 7-127. PAR Plot (LTE Band 25 - 5MHz QPSK - Full RB Configuration)

Peak



18:38:57 16.02.2026

Plot 7-128. PAR Plot (LTE Band 25 - 5MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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Peak



18:40:02 16.02.2026

Plot 7-129. PAR Plot (LTE Band 25 - 10MHz QPSK - Full RB Configuration)

Peak



18:41:08 16.02.2026

Plot 7-130. PAR Plot (LTE Band 25 - 10MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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Peak



18:42:14 16.02.2026

Plot 7-131. PAR Plot (LTE Band 25 - 15MHz QPSK - Full RB Configuration)

Peak



18:43:19 16.02.2026

Plot 7-132. PAR Plot (LTE Band 25 - 15MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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Peak



18:44:21 16.02.2026

Plot 7-133. PAR Plot (LTE Band 25 - 20MHz QPSK - Full RB Configuration)

Peak



18:45:26 16.02.2026

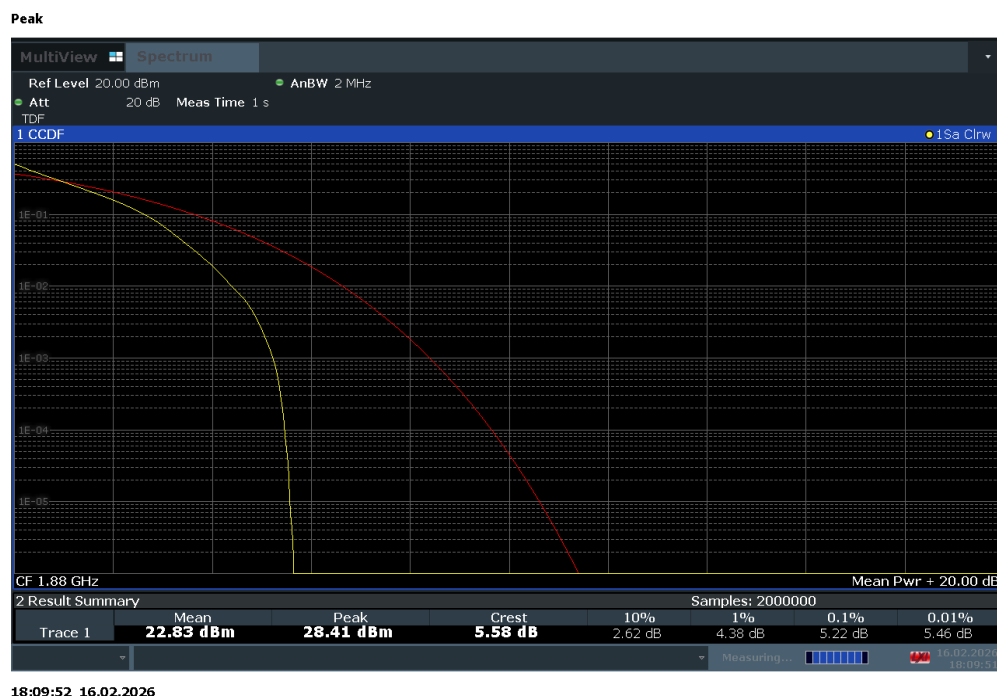
Plot 7-134. PAR Plot (LTE Band 25 - 20MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 90 of 122

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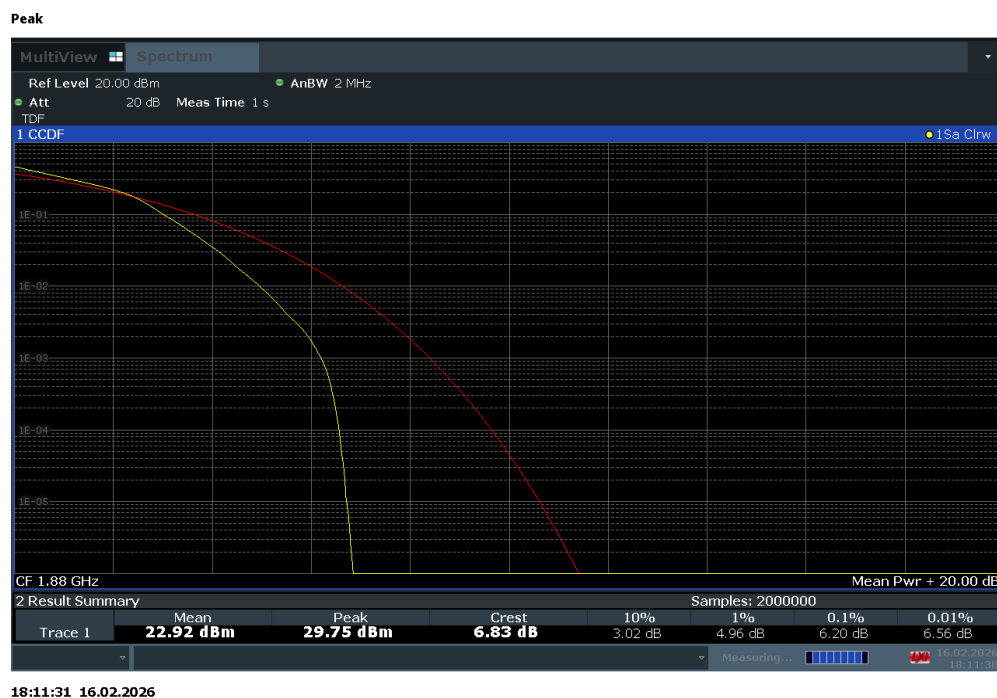
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LTE Band 2



18:09:52 16.02.2026

Plot 7-135. PAR Plot (LTE Band 2 - 1.4MHz QPSK - Full RB Configuration)



18:11:31 16.02.2026

Plot 7-136. PAR Plot (LTE Band 2 - 1.4MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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Peak



18:12:34 16.02.2026

Plot 7-137. PAR Plot (LTE Band 2 - 3MHz QPSK - Full RB Configuration)

Peak



18:13:38 16.02.2026

Plot 7-138. PAR Plot (LTE Band 2 - 3MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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Peak



18:14:42 16.02.2026

Plot 7-139. PAR Plot (LTE Band 2 - 5MHz QPSK - Full RB Configuration)

Peak



18:15:47 16.02.2026

Plot 7-140. PAR Plot (LTE Band 2 - 5MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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Peak



18:16:51 16.02.2026

Plot 7-141. PAR Plot (LTE Band 2 - 10MHz QPSK - Full RB Configuration)

Peak



18:17:56 16.02.2026

Plot 7-142. PAR Plot (LTE Band 2 - 10MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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Peak



18:19:01 16.02.2026

Plot 7-143. PAR Plot (LTE Band 2 - 15MHz QPSK - Full RB Configuration)

Peak



18:20:06 16.02.2026

Plot 7-144. PAR Plot (LTE Band 2 - 15MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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Peak



18:21:12 16.02.2026

Plot 7-145. PAR Plot (LTE Band 2 - 20MHz QPSK - Full RB Configuration)

Peak



18:22:18 16.02.2026

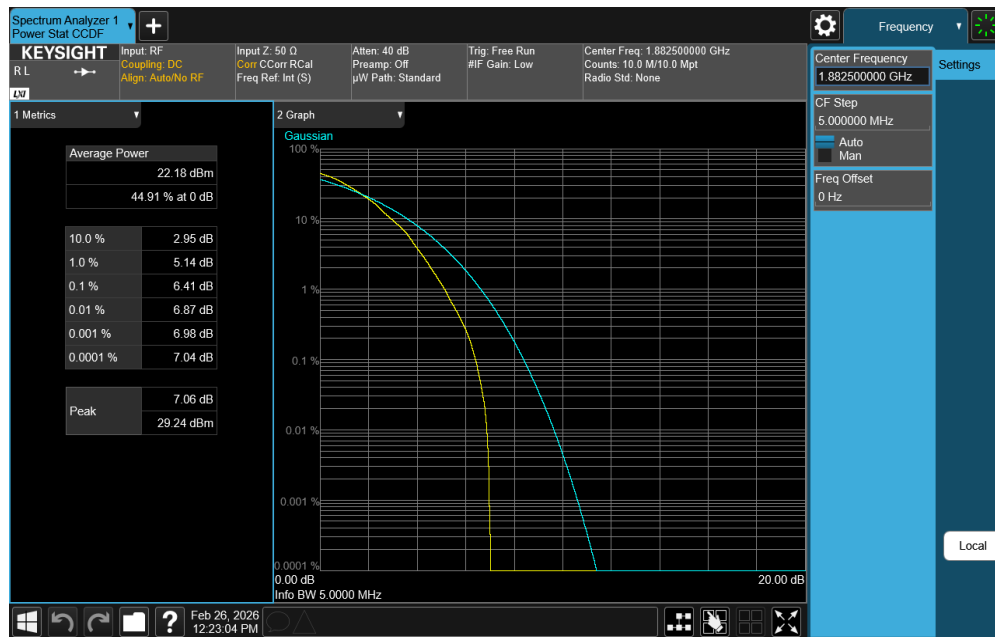
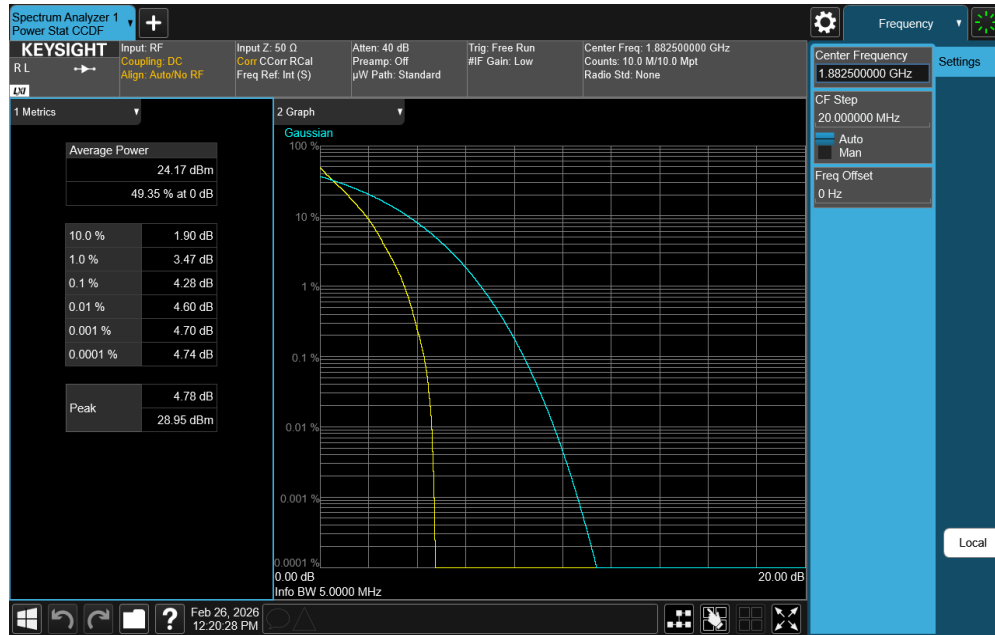
Plot 7-146. PAR Plot (LTE Band 2 - 20MHz 16-QAM - Full RB Configuration)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 96 of 122

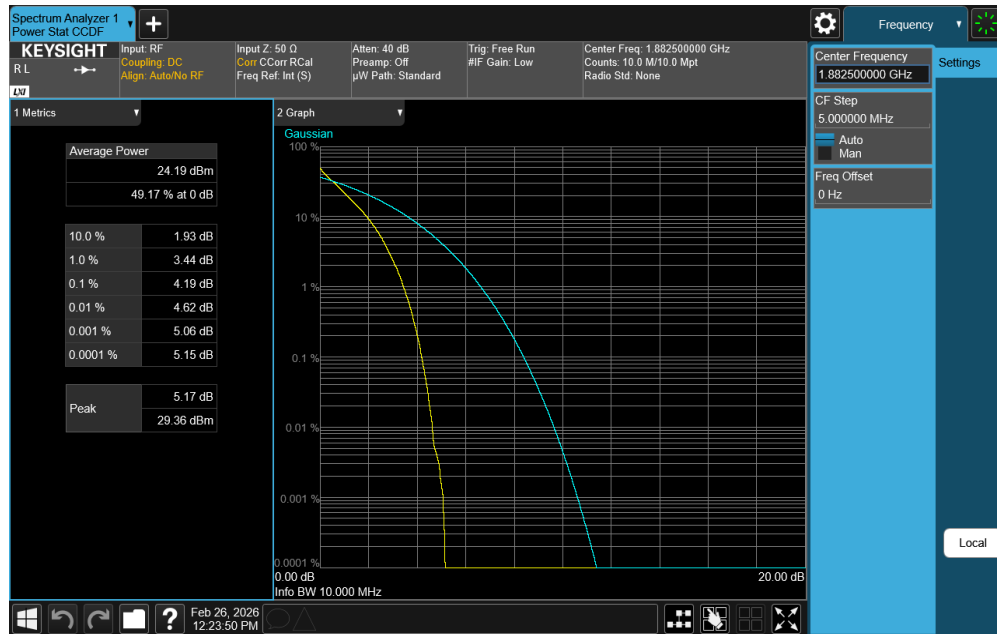
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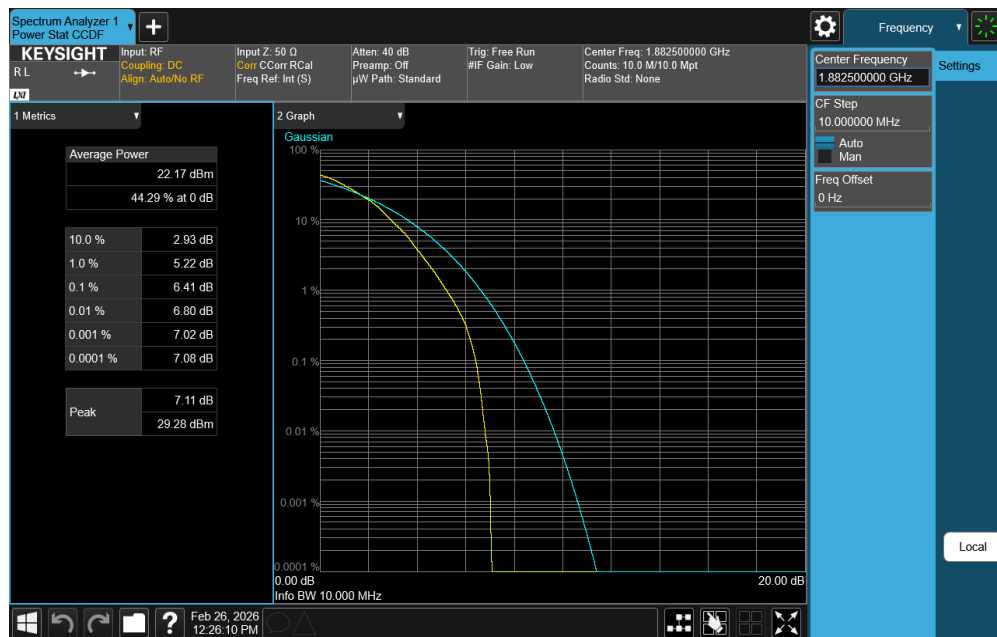
NR Band n25



FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 97 of 122



Plot 7-149. PAR Plot (NR Band n25 - 10MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

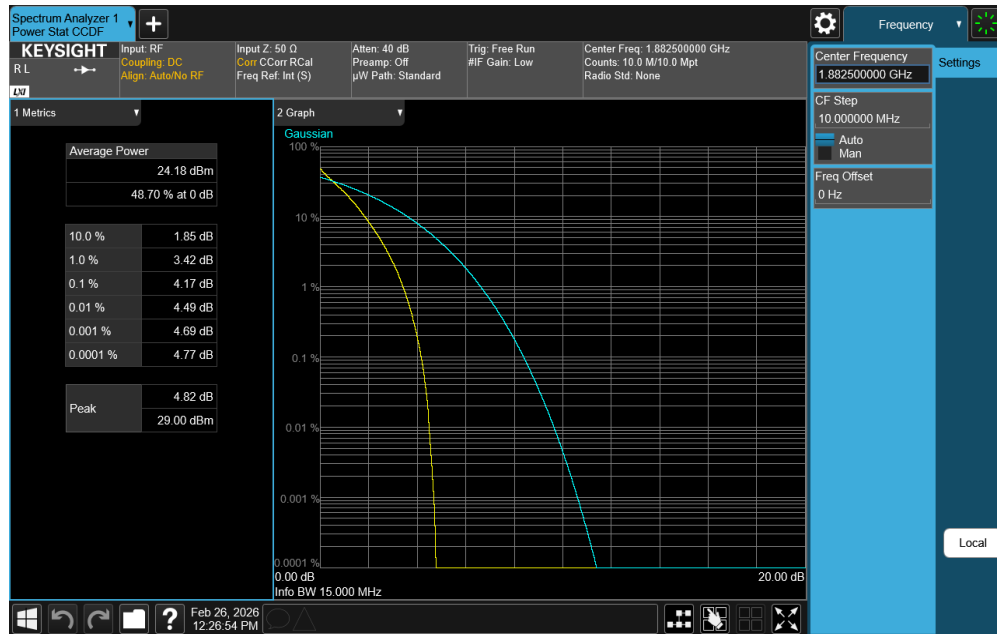


Plot 7-150. PAR Plot (NR Band n25 - 10MHz DFT-s-OFDM 64-QAM - Full RB)

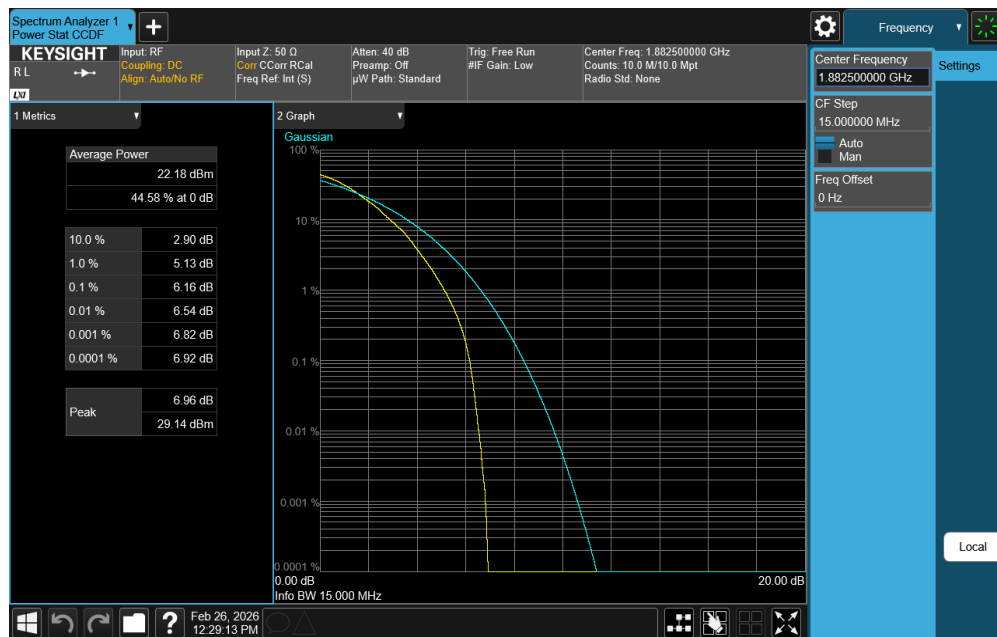
FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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Plot 7-151. PAR Plot (NR Band n25 - 15MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

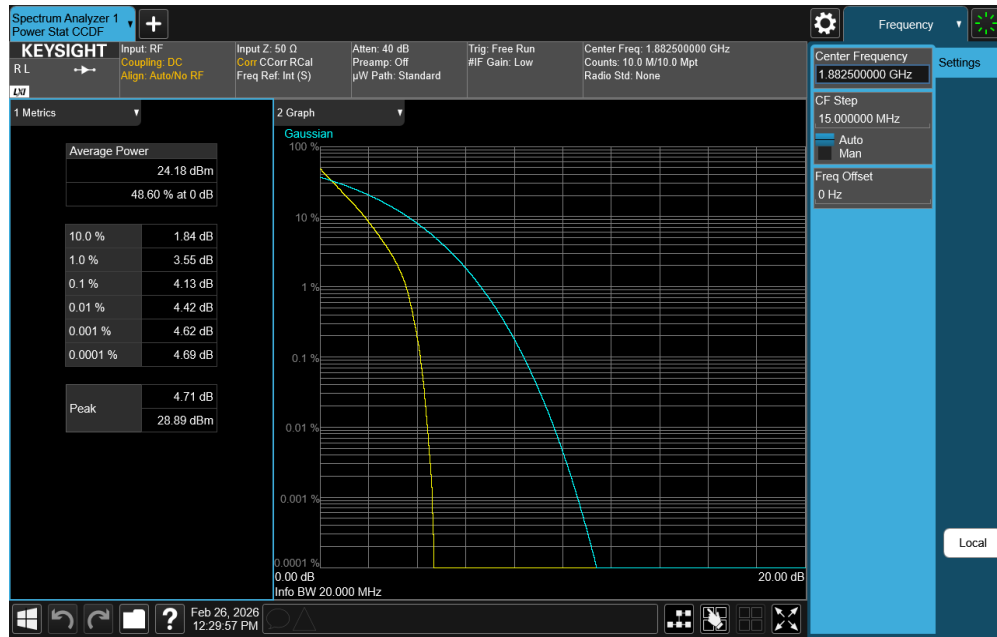


Plot 7-152. PAR Plot (NR Band n25 - 15MHz DFT-s-OFDM 64-QAM - Full RB)

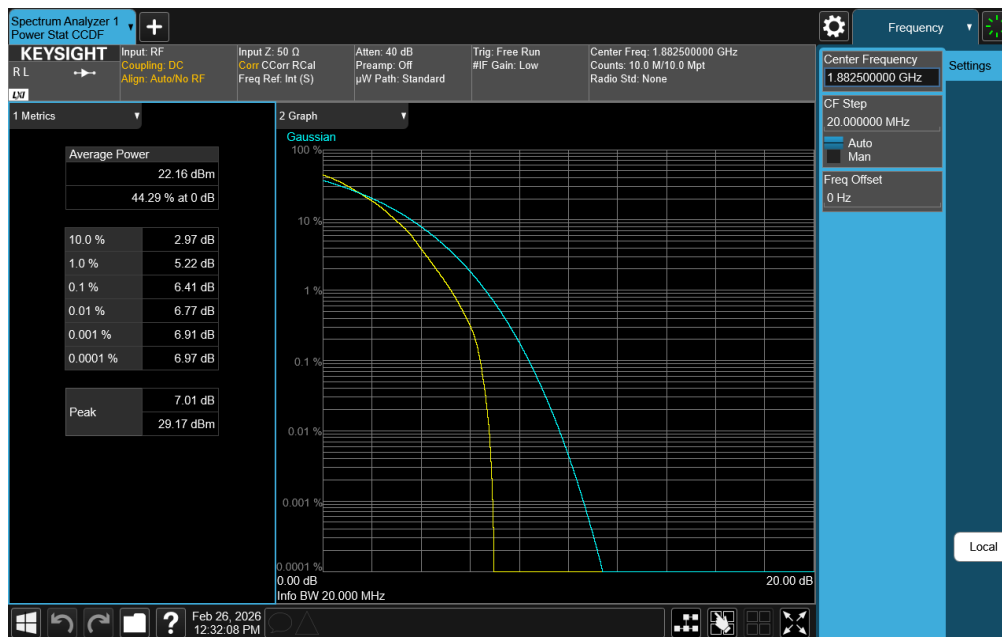
FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 99 of 122

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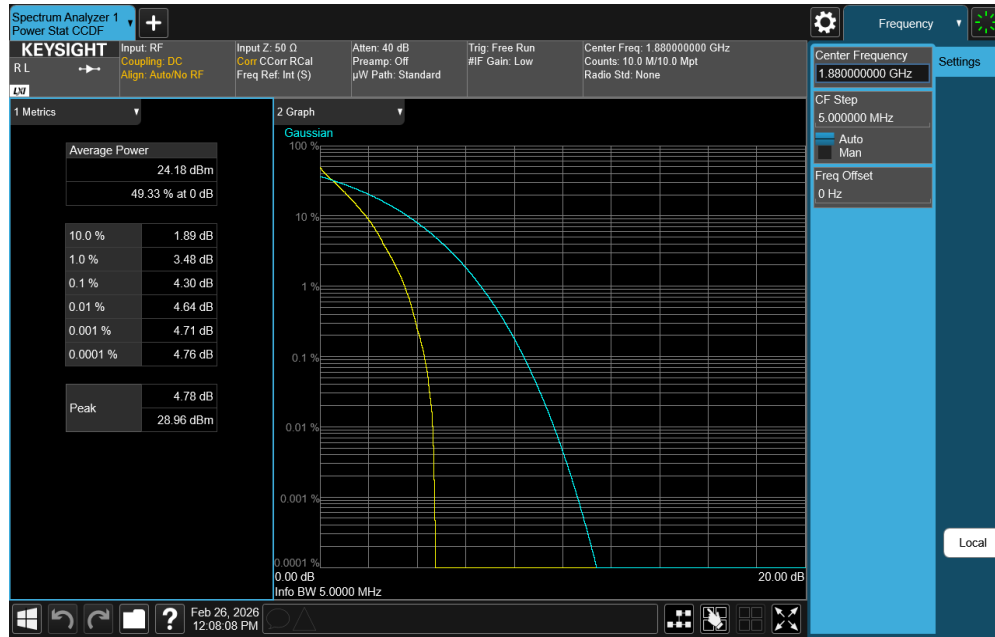
Plot 7-153. PAR Plot (NR Band n25 - 20MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)



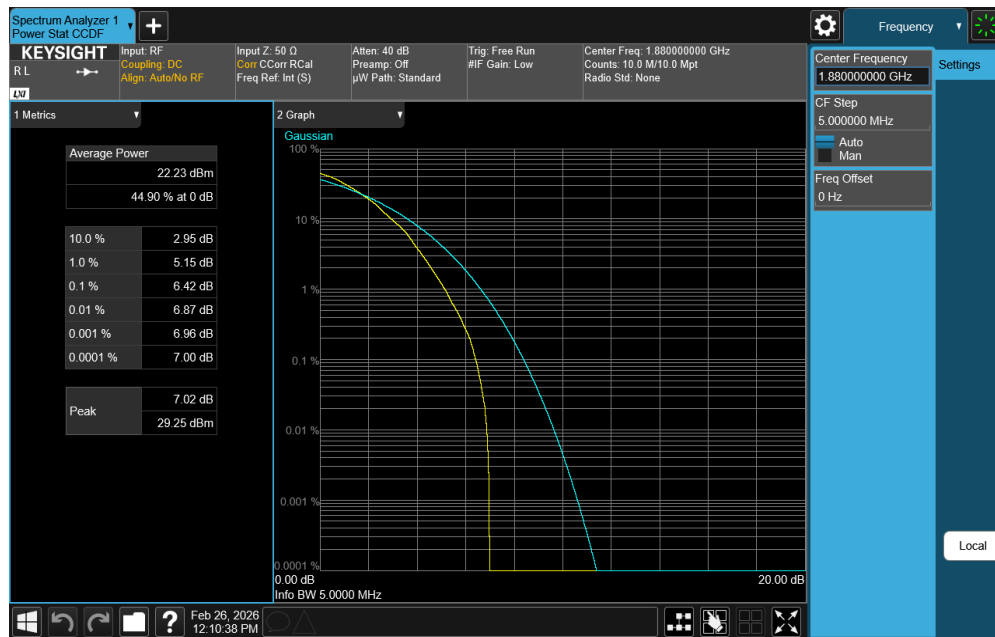
Plot 7-154. PAR Plot (NR Band n25 - 20MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 100 of 122

NR Band n2

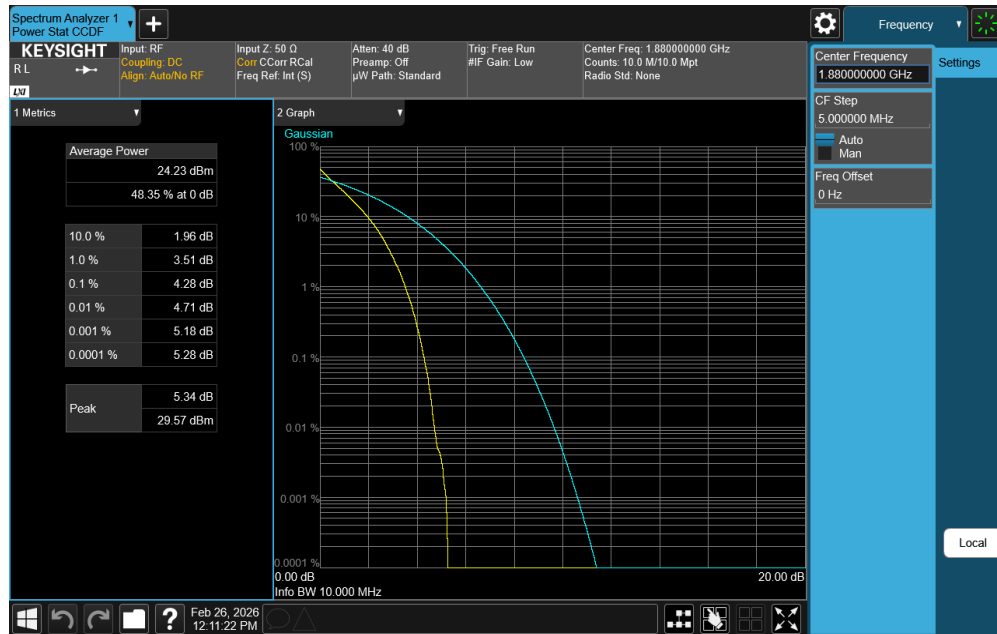


Plot 7-155. PAR Plot (NR Band n2 - 5MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

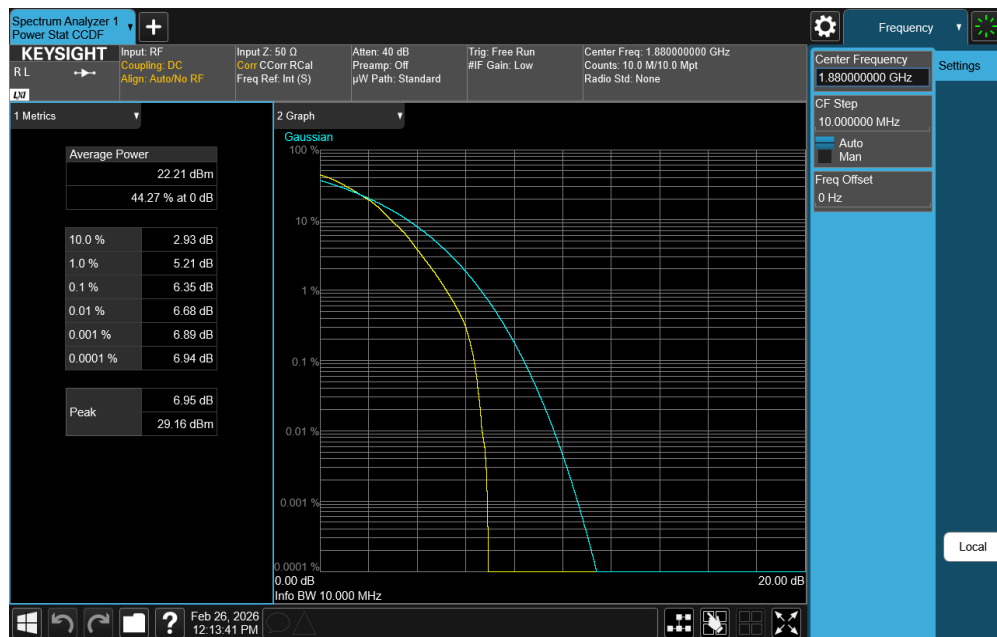


Plot 7-156. PAR Plot (NR Band n2 - 5MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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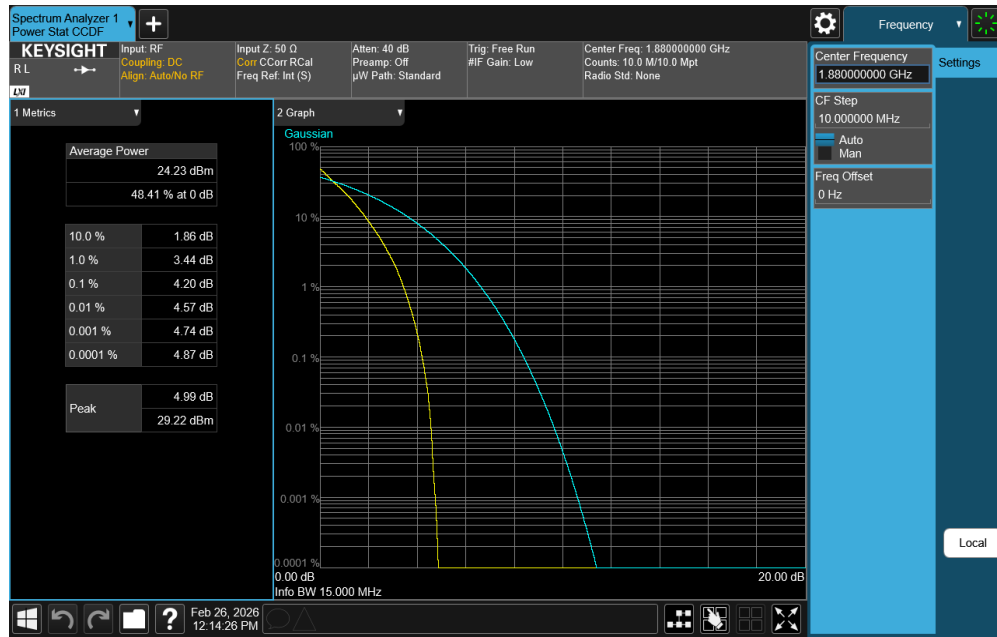


Plot 7-157. PAR Plot (NR Band n2 - 10MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

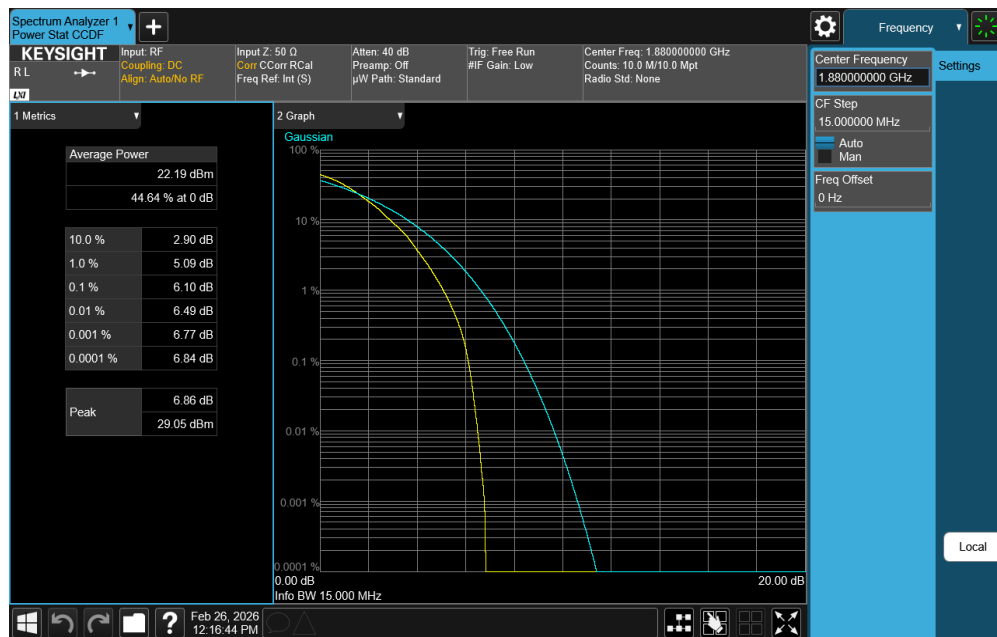


Plot 7-158. PAR Plot (NR Band n2 - 10MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 102 of 122



Plot 7-159. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

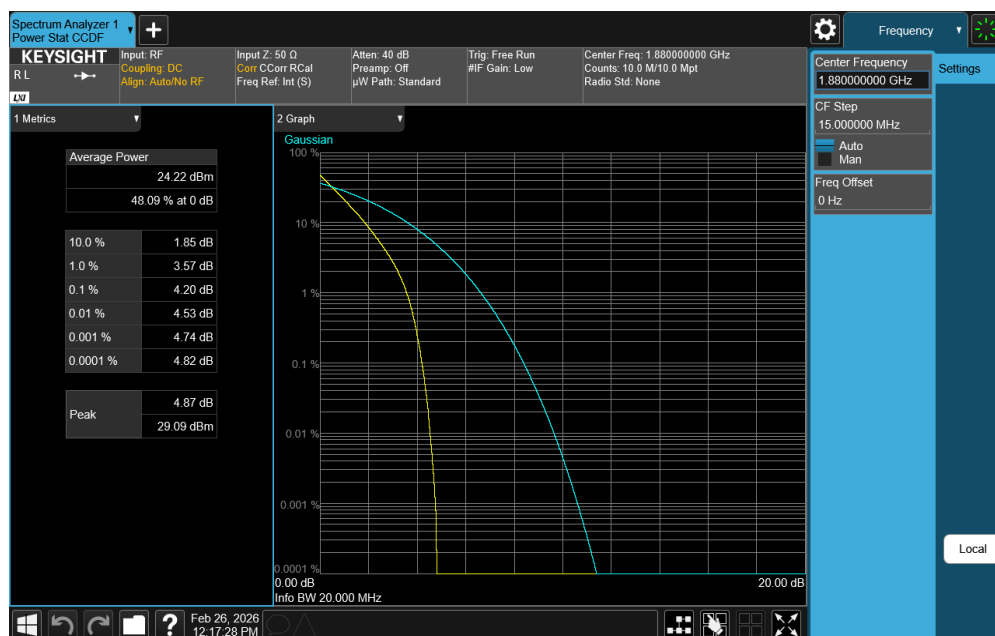


Plot 7-160. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM 64-QAM - Full RB)

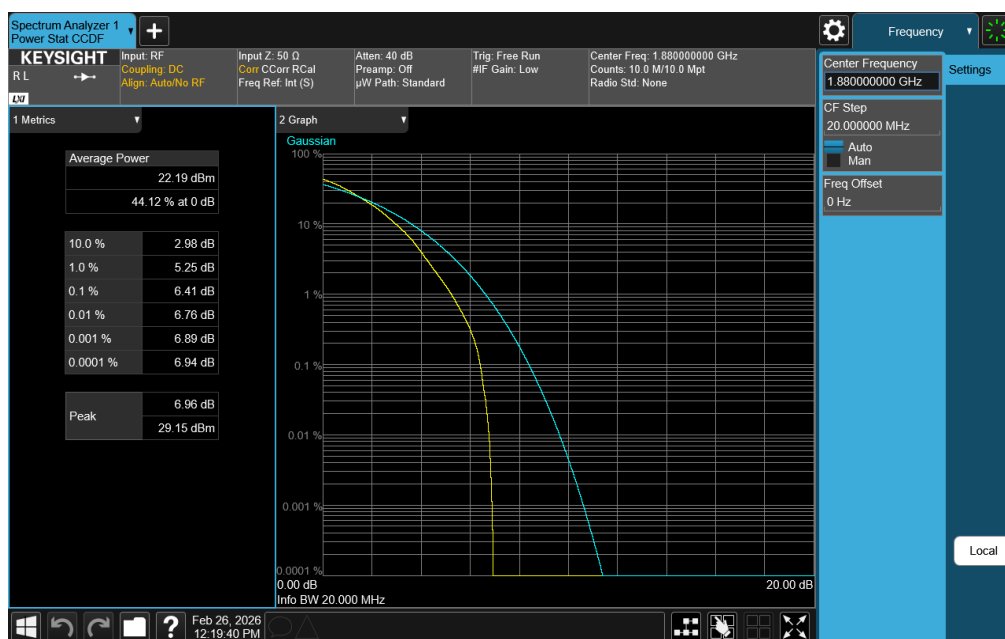
FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 103 of 122

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Plot 7-161. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)



Plot 7-162. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 104 of 122

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7.6 Radiated Power (EIRP)

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 EIRP from the conducted RF output power measured is:

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

Where:

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

PMeas = 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.

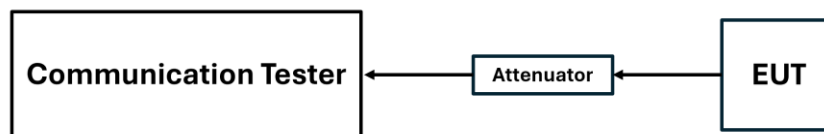


Figure 7-9. LTE Test Instrument & Measurement Setup

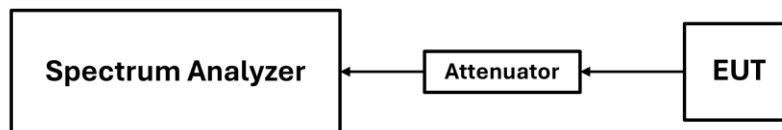


Figure 7-10. FR1 Test Instrument & Measurement Setup

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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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.
4. The Ant. Gains (GT) are listed in dBi.
5. 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-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 106 of 122

7.6.1 Antenna FCM – EIRP

LTE Band 25

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [mW]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1850.7	-11.40	1 / 5	25.08	13.68	23.335	33.01	-19.33
		1882.5	-11.40	1 / 5	25.20	13.80	23.988	33.01	-19.21
		1914.3	-11.40	1 / 5	25.18	13.78	23.878	33.01	-19.23
	16-QAM	1850.7	-11.40	1 / 5	24.17	12.77	18.923	33.01	-20.24
3 MHz	QPSK	1851.5	-11.40	1 / 7	25.16	13.76	23.768	33.01	-19.25
		1882.5	-11.40	1 / 0	25.05	13.65	23.174	33.01	-19.36
		1913.5	-11.40	1 / 0	25.20	13.80	23.988	33.01	-19.21
	16-QAM	1851.5	-11.40	1 / 0	24.16	12.76	18.880	33.01	-20.25
5 MHz	QPSK	1852.5	-11.40	1 / 12	25.08	13.68	23.335	33.01	-19.33
		1882.5	-11.40	1 / 24	25.01	13.61	22.961	33.01	-19.40
		1912.5	-11.40	1 / 0	25.03	13.63	23.067	33.01	-19.38
	16-QAM	1912.5	-11.40	1 / 0	24.13	12.73	18.750	33.01	-20.28
10 MHz	QPSK	1855.0	-11.40	1 / 25	25.07	13.67	23.281	33.01	-19.34
		1882.5	-11.40	1 / 0	25.04	13.64	23.121	33.01	-19.37
		1910.0	-11.40	1 / 0	25.16	13.76	23.768	33.01	-19.25
	16-QAM	1910.0	-11.40	1 / 25	24.27	12.87	19.364	33.01	-20.14
20 MHz	QPSK	1857.5	-11.40	1 / 37	25.10	13.70	23.442	33.01	-19.31
		1882.5	-11.40	1 / 74	25.00	13.60	22.909	33.01	-19.41
		1907.5	-11.40	1 / 0	25.04	13.64	23.121	33.01	-19.37
	16-QAM	1882.5	-11.40	1 / 74	24.18	12.78	18.967	33.01	-20.23
	QPSK	1860.0	-11.40	1 / 0	24.90	13.50	22.387	33.01	-19.51
		1882.5	-11.40	1 / 0	25.10	13.70	23.442	33.01	-19.31
		1905.0	-11.40	1 / 50	25.07	13.67	23.281	33.01	-19.34
	16-QAM	1860.0	-11.40	1 / 99	24.14	12.74	18.793	33.01	-20.27

Table 7-5. Antenna FCM EIRP Data (LTE Band 25)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 107 of 122

LTE Band 2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [mW]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1850.7	-11.40	1 / 5	25.09	13.69	23.388	33.01	-19.32
		1880.0	-11.40	1 / 0	25.16	13.76	23.768	33.01	-19.25
		1909.3	-11.40	1 / 0	24.96	13.56	22.699	33.01	-19.45
	16-QAM	1850.7	-11.40	1 / 5	24.18	12.78	18.967	33.01	-20.23
3 MHz	QPSK	1851.5	-11.40	1 / 0	25.20	13.80	23.988	33.01	-19.21
		1880.0	-11.40	1 / 14	25.17	13.77	23.823	33.01	-19.24
		1908.5	-11.40	1 / 14	25.15	13.75	23.714	33.01	-19.26
	16-QAM	1851.5	-11.40	1 / 14	24.15	12.75	18.836	33.01	-20.26
5 MHz	QPSK	1852.5	-11.40	1 / 0	25.09	13.69	23.388	33.01	-19.32
		1880.0	-11.40	1 / 24	25.20	13.80	23.988	33.01	-19.21
		1907.5	-11.40	1 / 0	25.17	13.77	23.823	33.01	-19.24
	16-QAM	1852.5	-11.40	1 / 24	24.18	12.78	18.967	33.01	-20.23
10 MHz	QPSK	1855.0	-11.40	1 / 25	25.07	13.67	23.281	33.01	-19.34
		1880.0	-11.40	1 / 0	25.18	13.78	23.878	33.01	-19.23
		1905.0	-11.40	1 / 49	25.06	13.66	23.227	33.01	-19.35
	16-QAM	1905.0	-11.40	1 / 49	24.20	12.80	19.055	33.01	-20.21
15 MHz	QPSK	1857.5	-11.40	1 / 37	25.13	13.73	23.605	33.01	-19.28
		1880.0	-11.40	1 / 74	25.12	13.72	23.550	33.01	-19.29
		1902.5	-11.40	1 / 37	25.15	13.75	23.714	33.01	-19.26
	16-QAM	1902.5	-11.40	1 / 74	24.20	12.80	19.055	33.01	-20.21
20 MHz	QPSK	1860.0	-11.40	1 / 99	24.96	13.56	22.699	33.01	-19.45
		1880.0	-11.40	1 / 99	25.12	13.72	23.550	33.01	-19.29
		1900.0	-11.40	1 / 0	25.07	13.67	23.281	33.01	-19.34
	16-QAM	1860.0	-11.40	1 / 50	24.21	12.81	19.099	33.01	-20.20

Table 7-6. Antenna FCM EIRP Data (LTE Band 2)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 108 of 122

NR Band n25

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [mW]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	1852.5	-11.40	1 / 0	25.20	13.80	23.988	33.01	-19.21
		1882.5	-11.40	1 / 23	24.95	13.55	22.646	33.01	-19.46
		1912.5	-11.40	1 / 0	25.14	13.74	23.659	33.01	-19.27
	QPSK	1852.5	-11.40	1 / 12	24.91	13.51	22.439	33.01	-19.50
		1882.5	-11.40	1 / 23	24.95	13.55	22.646	33.01	-19.46
		1912.5	-11.40	1 / 0	25.12	13.72	23.550	33.01	-19.29
	16-QAM	1882.5	-11.40	1 / 23	24.14	12.74	18.793	33.01	-20.27
	64-QAM	1852.5	-11.40	1 / 23	23.17	11.77	15.031	33.01	-21.24
10 MHz	$\pi/2$ BPSK	1855.0	-11.40	1 / 48	24.95	13.55	22.646	33.01	-19.46
		1882.5	-11.40	1 / 25	25.17	13.77	23.823	33.01	-19.24
		1910.0	-11.40	1 / 0	25.20	13.80	23.988	33.01	-19.21
	QPSK	1855.0	-11.40	1 / 48	25.00	13.60	22.909	33.01	-19.41
		1882.5	-11.40	1 / 25	24.96	13.56	22.699	33.01	-19.45
		1910.0	-11.40	1 / 0	25.11	13.71	23.496	33.01	-19.30
	16-QAM	1910.0	-11.40	1 / 25	24.18	12.78	18.967	33.01	-20.23
	64-QAM	1855.0	-11.40	1 / 25	23.18	11.78	15.066	33.01	-21.23
15 MHz	$\pi/2$ BPSK	1857.5	-11.40	1 / 37	25.17	13.77	23.823	33.01	-19.24
		1882.5	-11.40	1 / 37	25.19	13.79	23.933	33.01	-19.22
		1907.5	-11.40	1 / 37	24.90	13.50	22.387	33.01	-19.51
	QPSK	1857.5	-11.40	1 / 0	25.20	13.80	23.988	33.01	-19.21
		1882.5	-11.40	1 / 37	25.07	13.67	23.281	33.01	-19.34
		1907.5	-11.40	1 / 73	25.13	13.73	23.605	33.01	-19.28
	16-QAM	1857.5	-11.40	1 / 37	24.23	12.83	19.187	33.01	-20.18
	64-QAM	1857.5	-11.40	1 / 0	23.19	11.79	15.101	33.01	-21.22
20 MHz	$\pi/2$ BPSK	1860.0	-11.40	1 / 50	25.06	13.66	23.227	33.01	-19.35
		1882.5	-11.40	1 / 50	25.18	13.78	23.878	33.01	-19.23
		1905.0	-11.40	1 / 0	25.16	13.76	23.768	33.01	-19.25
	QPSK	1860.0	-11.40	1 / 98	25.20	13.80	23.988	33.01	-19.21
		1882.5	-11.40	1 / 50	25.06	13.66	23.227	33.01	-19.35
		1905.0	-11.40	1 / 0	25.20	13.80	23.988	33.01	-19.21
	16-QAM	1860.0	-11.40	1 / 0	24.19	12.79	19.011	33.01	-20.22
	64-QAM	1882.5	-11.40	1 / 0	23.20	11.80	15.136	33.01	-21.21

Table 7-7. Antenna FCM EIRP Data (NR Band n25)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 109 of 122

NR Band n2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [mW]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	1852.5	-11.40	1 / 23	24.93	13.53	22.542	33.01	-19.48
		1880.0	-11.40	1 / 12	25.09	13.69	23.388	33.01	-19.32
		1907.5	-11.40	1 / 23	24.85	13.45	22.131	33.01	-19.56
	QPSK	1852.5	-11.40	1 / 0	25.16	13.76	23.768	33.01	-19.25
		1880.0	-11.40	1 / 0	25.20	13.80	23.988	33.01	-19.21
		1907.5	-11.40	1 / 23	25.15	13.75	23.714	33.01	-19.26
	16-QAM	1880.0	-11.40	1 / 12	24.24	12.84	19.231	33.01	-20.17
	64-QAM	1880.0	-11.40	1 / 12	23.25	11.85	15.311	33.01	-21.16
10 MHz	$\pi/2$ BPSK	1855.0	-11.40	1 / 0	25.20	13.80	23.988	33.01	-19.21
		1880.0	-11.40	1 / 0	25.08	13.68	23.335	33.01	-19.33
		1905.0	-11.40	1 / 25	25.14	13.74	23.659	33.01	-19.27
	QPSK	1855.0	-11.40	1 / 48	25.03	13.63	23.067	33.01	-19.38
		1880.0	-11.40	1 / 48	25.07	13.67	23.281	33.01	-19.34
		1905.0	-11.40	1 / 0	25.14	13.74	23.659	33.01	-19.27
	16-QAM	1855.0	-11.40	1 / 0	24.20	12.80	19.055	33.01	-20.21
	64-QAM	1880.0	-11.40	1 / 25	23.11	11.71	14.825	33.01	-21.30
15 MHz	$\pi/2$ BPSK	1857.5	-11.40	1 / 0	25.05	13.65	23.174	33.01	-19.36
		1880.0	-11.40	1 / 37	24.81	13.41	21.928	33.01	-19.60
		1902.5	-11.40	1 / 37	24.92	13.52	22.491	33.01	-19.49
	QPSK	1857.5	-11.40	1 / 0	25.13	13.73	23.605	33.01	-19.28
		1880.0	-11.40	1 / 0	25.10	13.70	23.442	33.01	-19.31
		1902.5	-11.40	1 / 73	25.20	13.80	23.988	33.01	-19.21
	16-QAM	1880.0	-11.40	1 / 37	24.18	12.78	18.967	33.01	-20.23
	64-QAM	1857.5	-11.40	1 / 73	23.20	11.80	15.136	33.01	-21.21
20 MHz	$\pi/2$ BPSK	1860.0	-11.40	1 / 98	25.20	13.80	23.988	33.01	-19.21
		1880.0	-11.40	1 / 98	25.15	13.75	23.714	33.01	-19.26
		1900.0	-11.40	1 / 50	25.18	13.78	23.878	33.01	-19.23
	QPSK	1860.0	-11.40	1 / 98	25.14	13.74	23.659	33.01	-19.27
		1880.0	-11.40	1 / 0	25.03	13.63	23.067	33.01	-19.38
		1900.0	-11.40	1 / 50	25.09	13.69	23.388	33.01	-19.32
	16-QAM	1880.0	-11.40	1 / 98	24.10	12.70	18.621	33.01	-20.31
	64-QAM	1860.0	-11.40	1 / 50	23.11	11.71	14.825	33.01	-21.30

Table 7-8. Antenna FCM EIRP Data (NR Band n2)

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 110 of 122

7.7 Radiated Spurious Emissions

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 tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as peak measurements 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-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 111 of 122

Test Setup

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

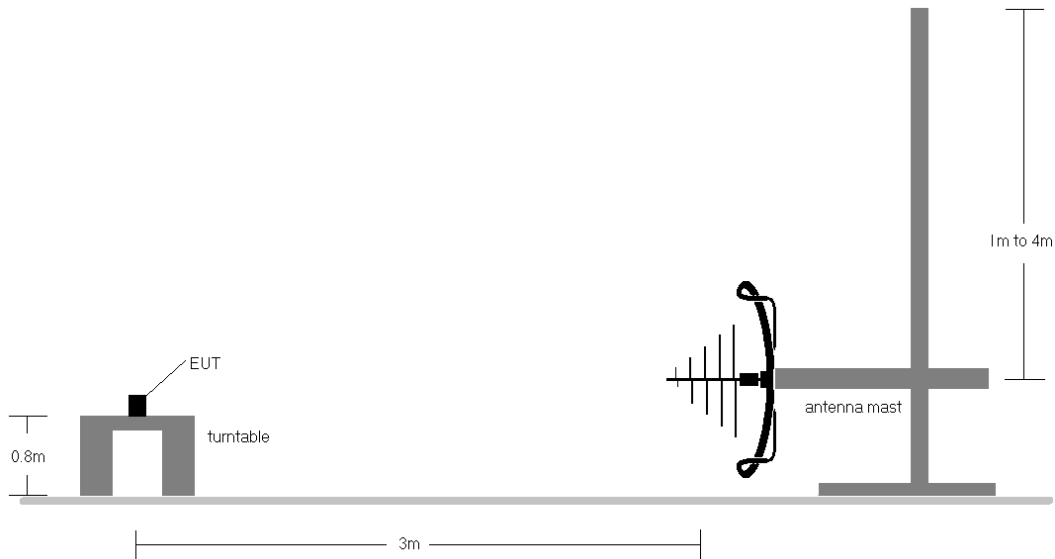


Figure 7-11. Test Instrument & Measurement Setup < 1GHz

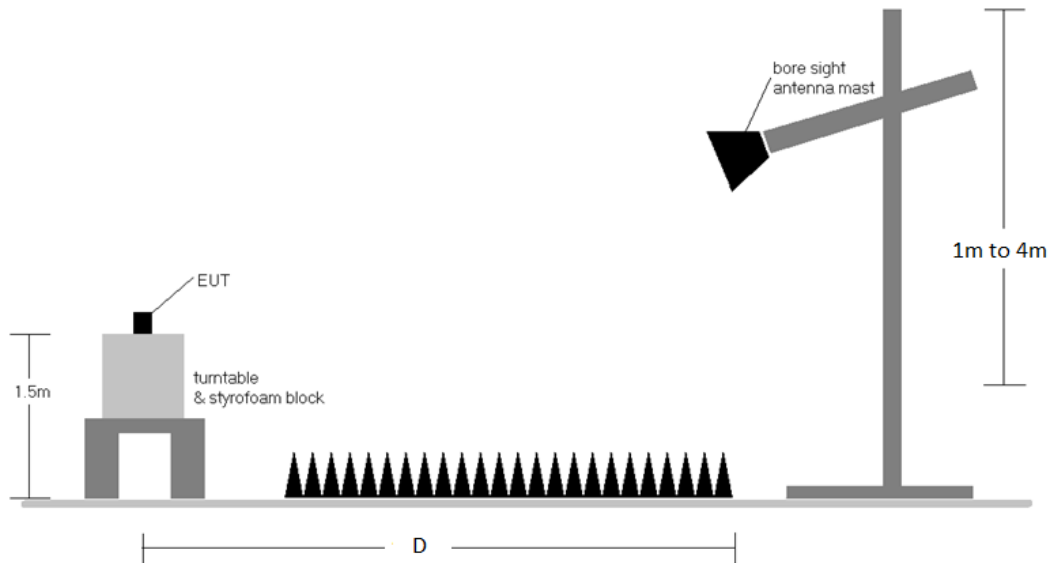


Figure 7-12. Test Instrument & Measurement Setup >1 GHz

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100030-02-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 112 of 122

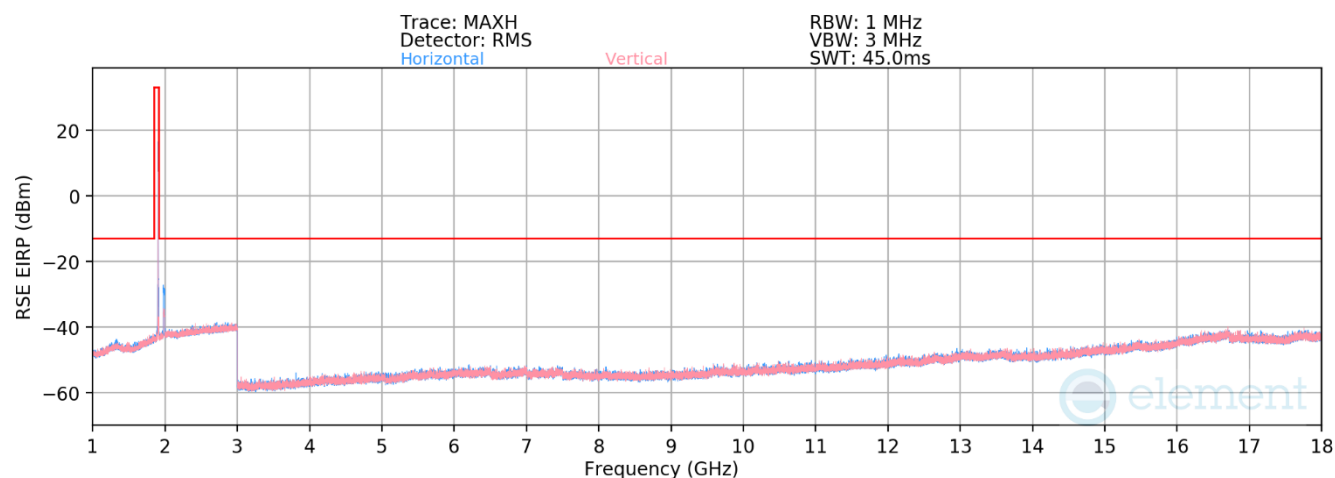
Test Notes

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. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
6. No significant emissions were found for below 1GHz and Above 18GHz measurement.
7. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
8. 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.

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7.7.1 Antenna FCM – Radiated Spurious Emission Measurement

LTE Band 25/2



Plot 7-163. Radiated Spurious Plot (LTE Band 25/2)

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Bandwidth (MHz):	20
Frequency (MHz):	1860.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.0	V	257	355	-76.68	1.58	31.91	-63.35	-13.00	-50.35
5580.0	H	400	326	-77.34	5.38	35.04	-60.22	-13.00	-47.22
7440.0	-	-	-	-77.97	6.67	35.70	-59.56	-13.00	-46.56
9300.0	-	-	-	-79.11	6.83	34.72	-60.54	-13.00	-47.54
11160.0	-	-	-	-79.73	9.94	37.20	-58.05	-13.00	-45.05

Table 7-9. Antenna FCM Radiated Spurious Data (LTE Band 25/2 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	H	208	200	-76.22	1.55	32.33	-62.93	-13.00	-49.93
5647.5	-	-	-	-78.08	5.29	34.21	-61.05	-13.00	-48.05
7530.0	-	-	-	-78.88	6.66	34.78	-60.48	-13.00	-47.48
9412.5	-	-	-	-78.89	7.05	35.16	-60.10	-13.00	-47.10

Table 7-10. Antenna FCM Radiated Spurious Data (LTE Band 25/2 – Mid Channel)

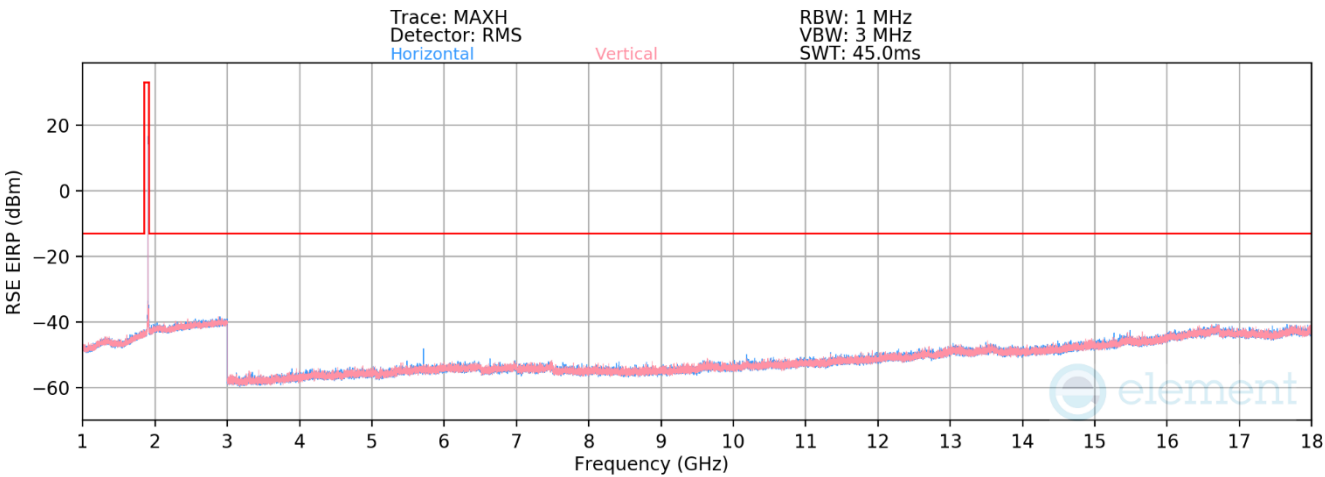
Bandwidth (MHz):	20
Frequency (MHz):	1905.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3810.00	H	208	200	-75.64	1.45	32.81	-62.45	-13.00	-49.45
5715.00	-	-	-	-77.52	4.98	34.46	-60.79	-13.00	-47.79
7620.00	-	-	-	-79.22	6.82	34.60	-60.65	-13.00	-47.65
9525.00	-	-	-	-78.95	7.40	35.45	-59.81	-13.00	-46.81

Table 7-11. Antenna FCM Radiated Spurious Data (LTE Band 25/2 – High Channel)

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NR Band n25/n2



Plot 7-164. Radiated Spurious Plot (NR Band n25/n2)

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Bandwidth (MHz):	20
Frequency (MHz):	1860.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.0	H	141	178	-76.70	1.53	31.84	-63.42	-13.00	-50.42
5580.0	V	112	235	-75.10	5.38	37.28	-57.98	-13.00	-44.98
7440.0	H	-	-	-78.39	6.67	35.28	-59.98	-13.00	-46.98
9300.0	V	-	-	-79.18	6.82	34.64	-60.61	-13.00	-47.61
11160.0	V	-	-	-80.02	9.94	36.91	-58.34	-13.00	-45.34

Table 7-12. Antenna FCM Radiated Spurious Data (NR Band n25/n2 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	V	-	-	-76.67	1.60	31.93	-63.33	-13.00	-50.33
5647.5	H	181	10	-72.80	4.95	39.14	-56.11	-13.00	-43.11
7530.0	V	-	-	-79.13	6.66	34.53	-60.73	-13.00	-47.73
9412.5	V	-	-	-79.38	7.20	34.82	-60.43	-13.00	-47.43
11295.0	H	-	-	-80.11	9.64	36.53	-58.73	-13.00	-45.73

Table 7-13. Antenna FCM Radiated Spurious Data (NR Band n25/n2 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1905.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3810.0	V	125	319	-75.95	1.45	32.51	-62.75	-13.00	-49.75
5715.0	H	357	77	-71.74	4.98	40.24	-55.02	-13.00	-42.02
7620.0	H	-	-	-79.50	6.82	34.33	-60.93	-13.00	-47.93
9525.0	V	-	-	-79.20	7.40	35.21	-60.05	-13.00	-47.05
11430.0	H	-	-	-80.20	10.36	37.15	-58.10	-13.00	-45.10

Table 7-14. Antenna FCM Radiated Spurious Data (NR Band n25/n2 – High Channel)

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7.8 Frequency Stability / Temperature Variation

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:

- a.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) **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 24 the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

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 Used

ANSI C63.26-2015

TIA-603-E-2016

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. 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.
3. 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.

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Test Setup

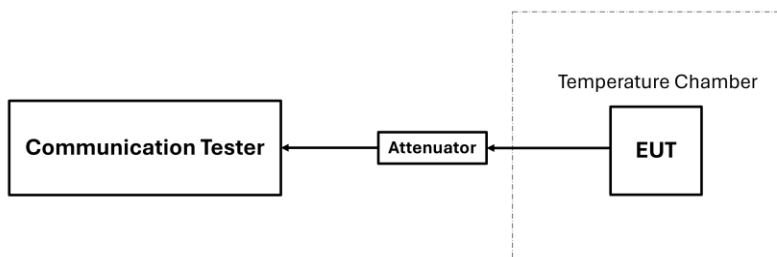


Figure 7-13. LTE Test Instrument & Measurement Setup

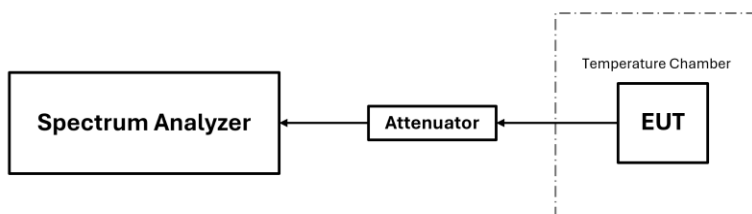


Figure 7-14. FR1 Test Instrument & Measurement Setup

Test Notes

None.

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Frequency Stability / Temperature Variation

LTE B25/2				
Operating Band Lower Boundary (GHz)			1.850	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.85041269	-0.00041269
		- 20	1.85065338	-0.00065338
		- 10	1.85066406	-0.00066406
		0	1.85041784	-0.00041784
		+ 10	1.85047833	-0.00047833
		+ 20 (Ref)	1.85059615	-0.00059615
		+ 30	1.85041687	-0.00041687
		+ 40	1.85072850	-0.00072850
		+ 50	1.85062449	-0.00062449
Battery Endpoint	3.40	+ 20	1.85031077	-0.00031077

Table 7-15. LTE Band 25/2 Lower Boundary Frequency Stability Data

LTE B25/2				
Operating Band Upper Boundary (GHz)			1.915	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.91462914	-0.00037086
		- 20	1.91428005	-0.00071995
		- 10	1.91422126	-0.00077874
		0	1.91468098	-0.00031902
		+ 10	1.91439440	-0.00060560
		+ 20 (Ref)	1.91426747	-0.00073253
		+ 30	1.91436781	-0.00063219
		+ 40	1.91452439	-0.00047561
		+ 50	1.91457203	-0.00042797
Battery Endpoint	3.40	+ 20	1.91437121	-0.00062879

Table 7-16. LTE Band 25/2 Upper Boundary Frequency Stability Data

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NR Band n25/n2

NR Band n25/n2				
Operating Band Lower Boundary (GHz)			1.850	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.85052520	-0.00052520
		- 20	1.85048407	-0.00048407
		- 10	1.85036266	-0.00036266
		0	1.85030039	-0.00030039
		+ 10	1.85030139	-0.00030139
		+ 20 (Ref)	1.85047749	-0.00047749
		+ 30	1.85043173	-0.00043173
		+ 40	1.85077087	-0.00077087
		+ 50	1.85061557	-0.00061557
Battery Endpoint	3.40	+ 20	1.85055096	-0.00055096

Table 7-17. NR Band n25/n2 Lower Boundary Frequency Stability Data

NR Band n25/n2				
Operating Band Upper Boundary (GHz)			1.915	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.91460531	-0.00039469
		- 20	1.91432260	-0.00067740
		- 10	1.91429002	-0.00070998
		0	1.91438699	-0.00061301
		+ 10	1.91426365	-0.00073635
		+ 20 (Ref)	1.91445271	-0.00054729
		+ 30	1.91439785	-0.00060215
		+ 40	1.91439031	-0.00060969
		+ 50	1.91459376	-0.00040624
Battery Endpoint	3.40	+ 20	1.91423482	-0.00076518

Table 7-18. NR Band n25/n2 Upper 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-A3582, IC: 579C-A3582** complies with all the requirements of Part 24 of the FCC rules and RSS-133 of the Innovation, Science and Economic Development Canada Rules.

FCC ID: BCG-A3582 IC: 579C-A3582		Test Dates: 12/2/2025 - 7/20/2026	EUT Type: Watch	Approved by: Technical Manager
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