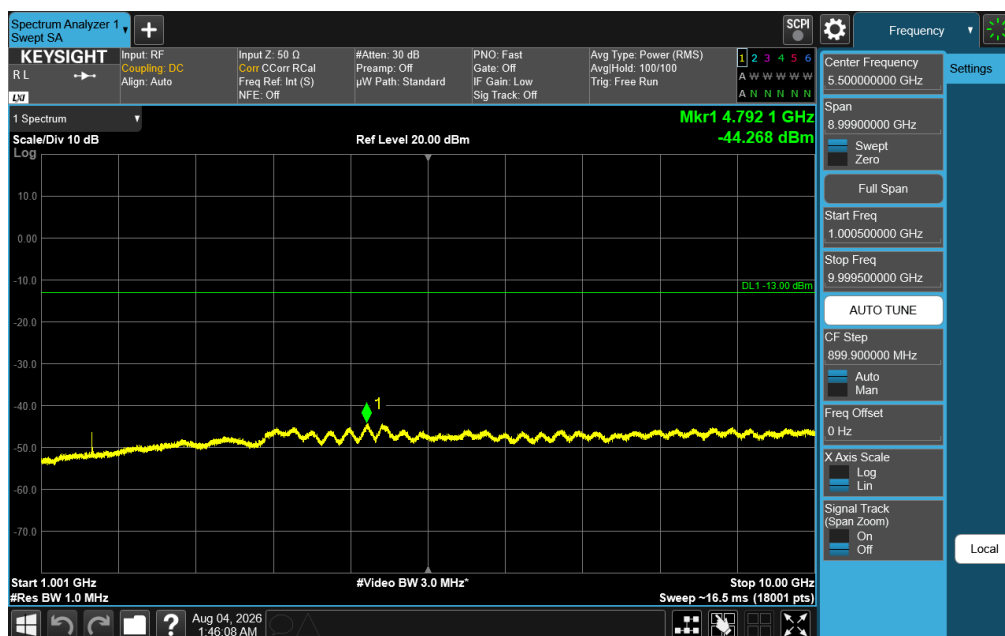




Plot 7-64. Conducted Spurious Plot (NR Band n14 - 5MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 12 - High Channel)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 52 of 104

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7.4 Band Edge Emissions at Antenna Terminal

Test Overview

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates 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.

For LTE Band 26 and NR Band n26 operation under Part 90.691, the minimum permissible attenuation level of any spurious emission removed from the EA licensee's frequency block by greater than 37.5 kHz is $43 + 10\log_{10}(P_{\text{Watts}})$, where P is the transmitter power in Watts. The minimum permissible attenuation level of any spurious emission removed from the EA licensee's frequency block by up to and including 37.5 kHz is $50 + 10\log_{10}(P_{\text{Watts}})$, where P is the transmitter power in Watts.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 6.0

Test Settings

1. Span was set large enough so as to capture all out of band emissions near the band edge
2. RBW = 100 kHz
3. VBW = 300 kHz
4. Detector = RMS
5. Trace mode = trace average
6. Sweep time = auto couple
7. The trace was allowed to stabilize

Test Setup

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

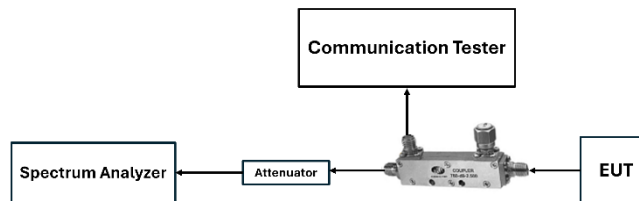


Figure 7-5. LTE Instrument & Measurement Setup

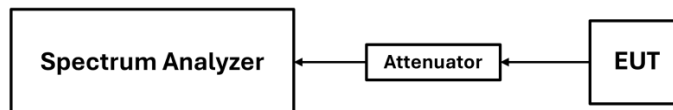


Figure 7-6. FR1 Instrument & Measurement Setup

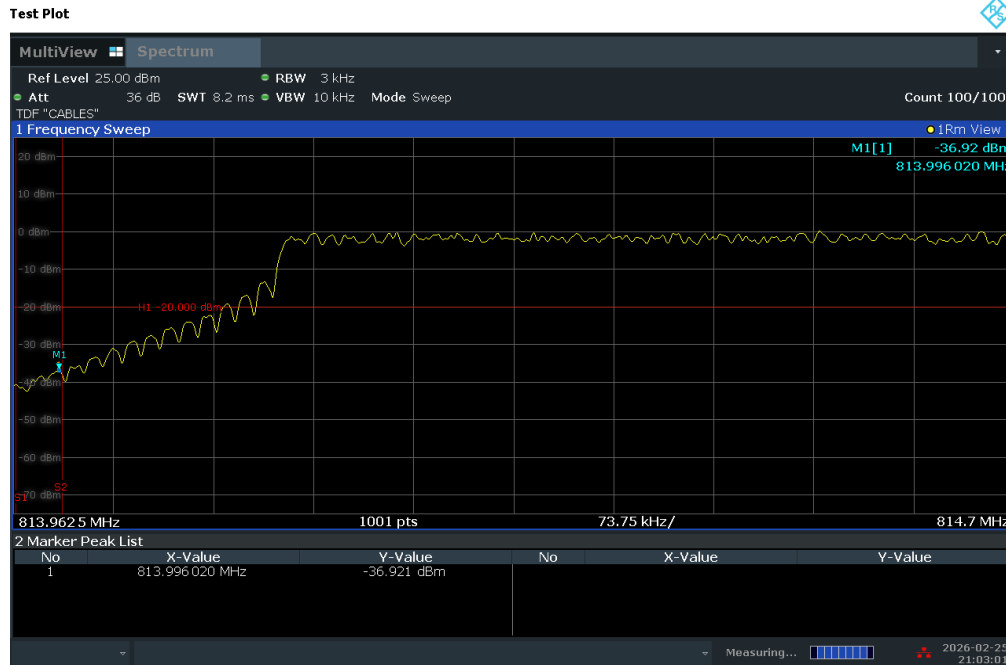
FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 53 of 104

Test Notes

1. Per Part 90, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of 30 kHz may be employed to demonstrate compliance with the out-of-band emissions limit. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center.
2. For LTE Band 14 and NR Band n14 operation under Part 90.543, the power of any emission must be reduced below the mean output power (P) by at least $43 + 10\log(P)$ dB measured in a 100 kHz bandwidth for frequencies less than 1 GHz, and in a 1 MHz bandwidth for frequencies greater than 1 GHz.
3. Additionally, for LTE Band 14 and NR Band n14 operation, on all frequencies between 769-775 MHz and 799-805 MHz, the power of any emission shall be attenuated by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations.
4. 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.

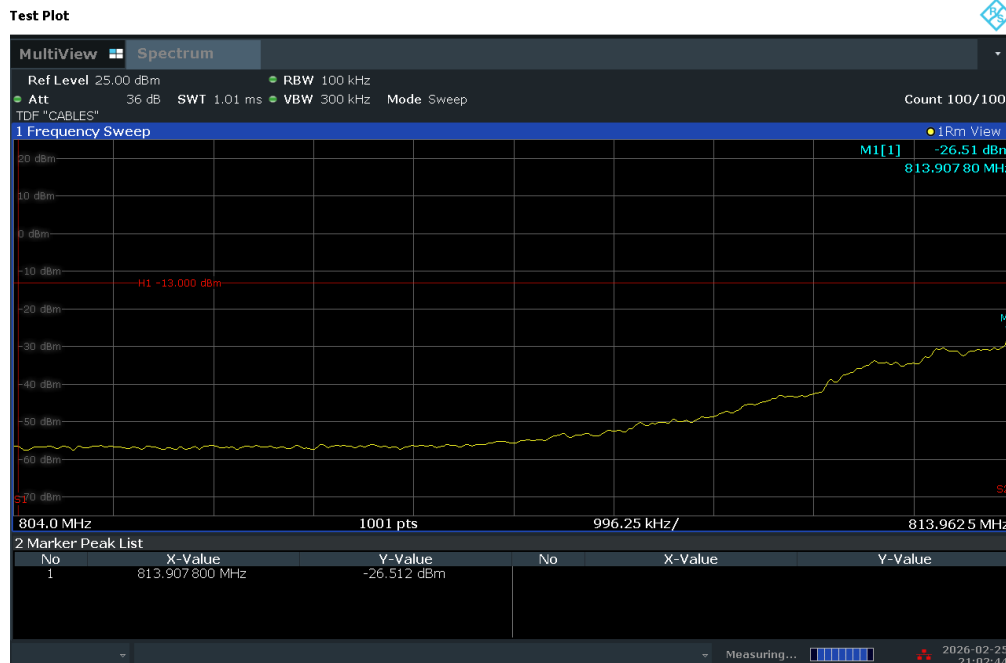
FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 54 of 104

LTE Band 26



09:03:01 PM 02/25/2026

Plot 7-65. Lower Band Edge Plot (LTE Band 26, 1.4MHz QPSK - RB Size 25)



09:02:44 PM 02/25/2026

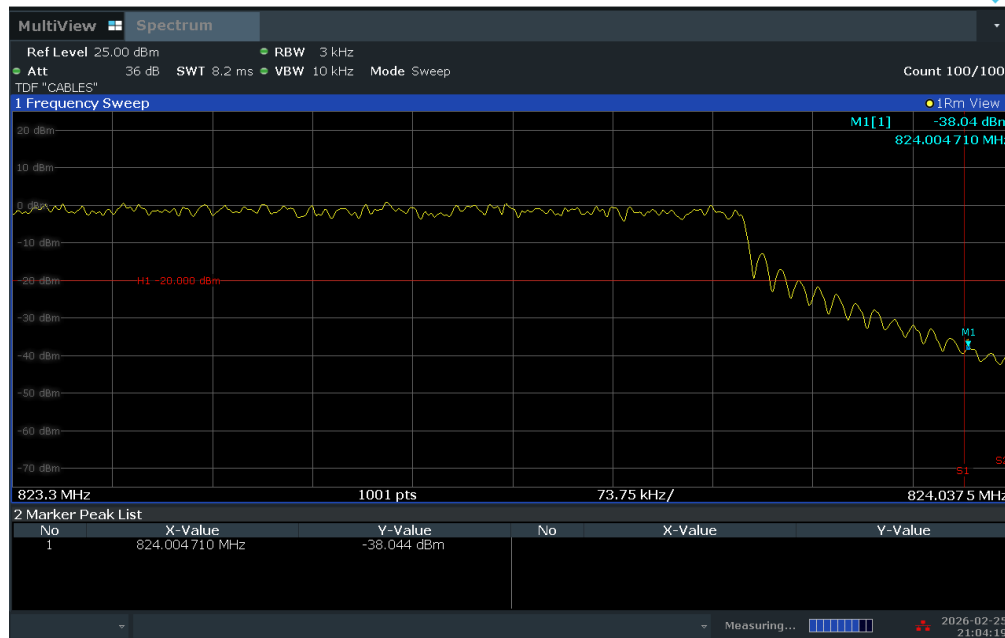
Plot 7-66. Lower Emission Mask Plot (LTE Band 26, 1.4MHz QPSK - RB Size 25)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
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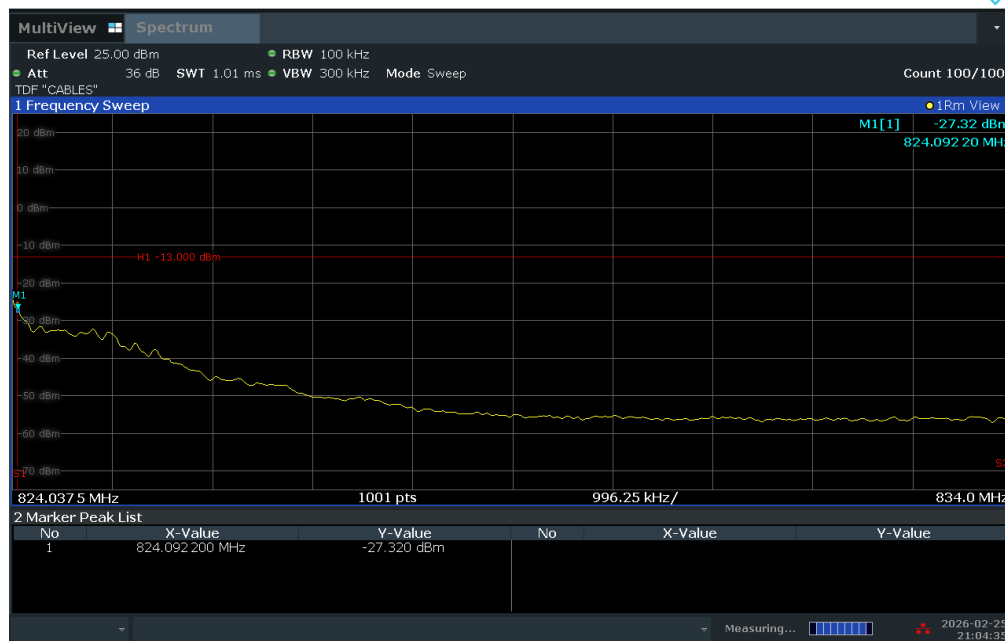
Test Plot



09:04:19 PM 02/25/2026

Plot 7-67. Upper Band Edge Plot (LTE Band 26, 1.4MHz QPSK - RB Size 25)

Test Plot



09:04:36 PM 02/25/2026

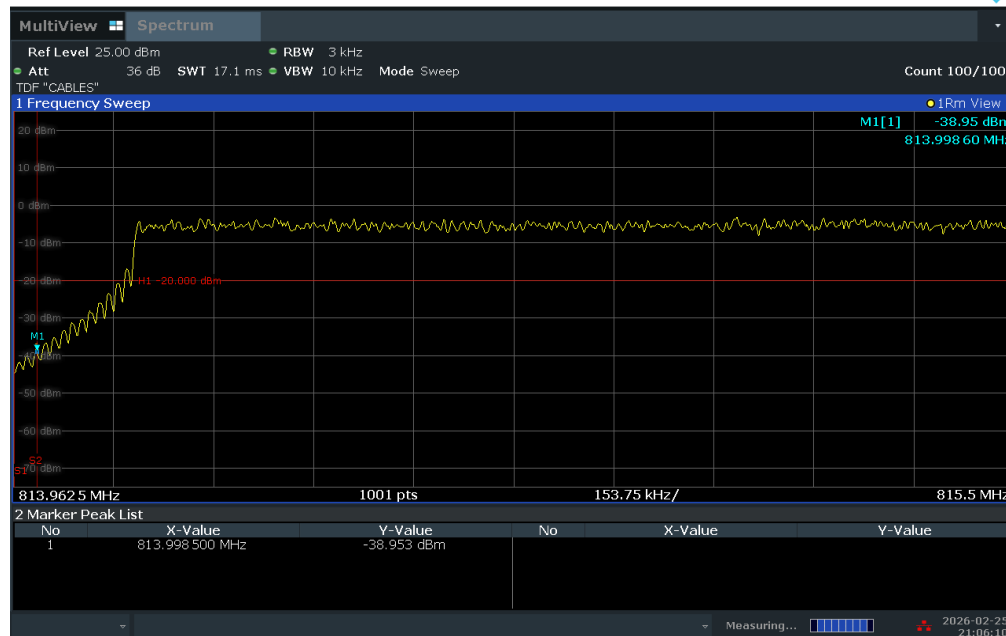
Plot 7-68. Upper Emission Mask Plot (LTE Band 26, 1.4MHz QPSK - RB Size 25)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 56 of 104

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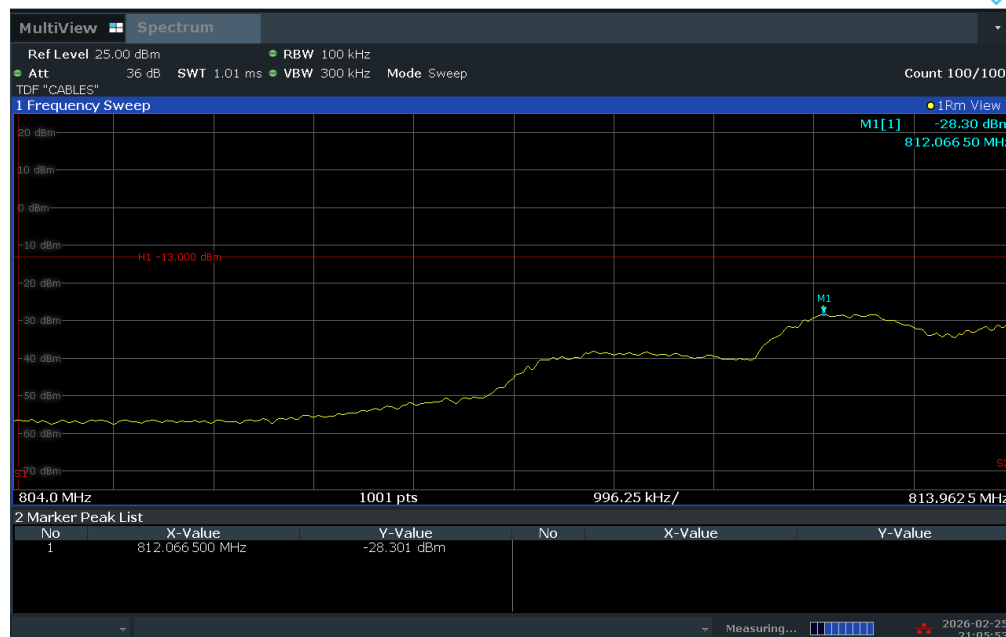
Test Plot



09:06:11 PM 02/25/2026

Plot 7-69. Lower Band Edge Plot (LTE Band 26, 3MHz QPSK - RB Size 25)

Test Plot



09:05:54 PM 02/25/2026

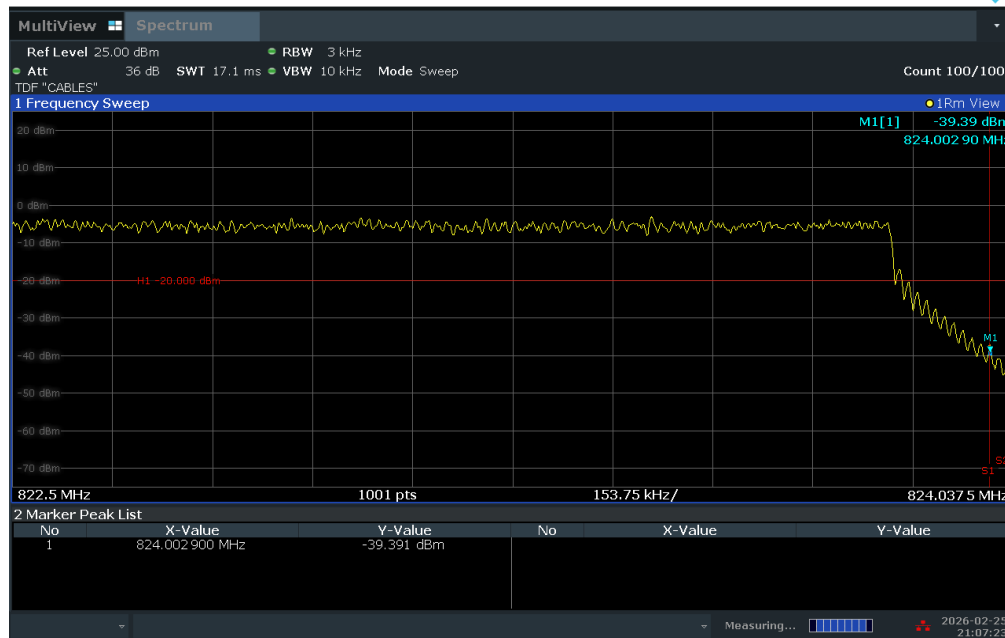
Plot 7-70. Lower Emission Mask Plot (LTE Band 26, 3MHz QPSK - RB Size 25)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 57 of 104

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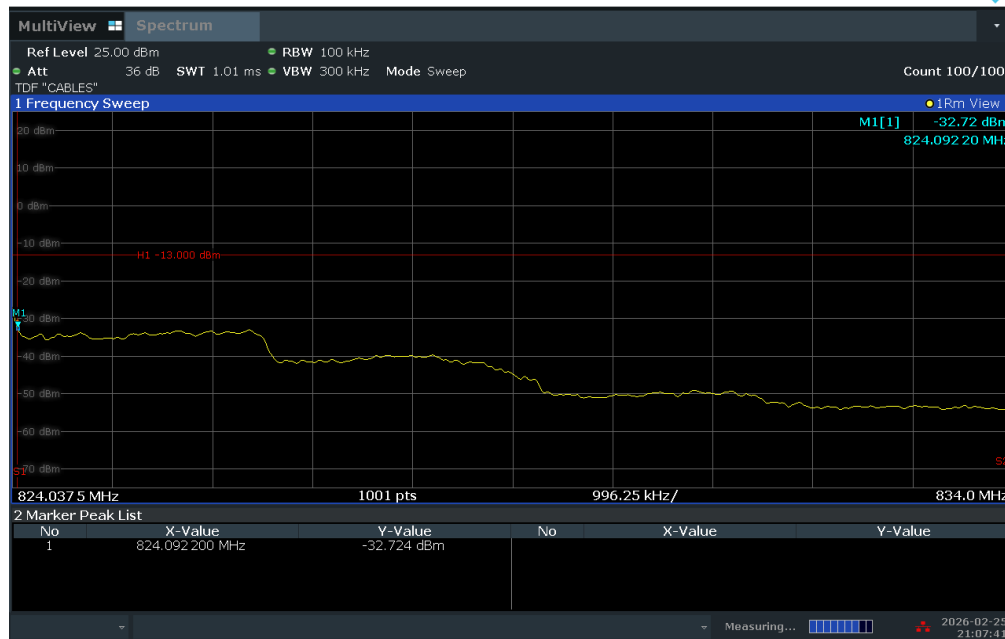
Test Plot



09:07:24 PM 02/25/2026

Plot 7-71. Upper Band Edge Plot (LTE Band 26, 3MHz QPSK - RB Size 25)

Test Plot



09:07:41 PM 02/25/2026

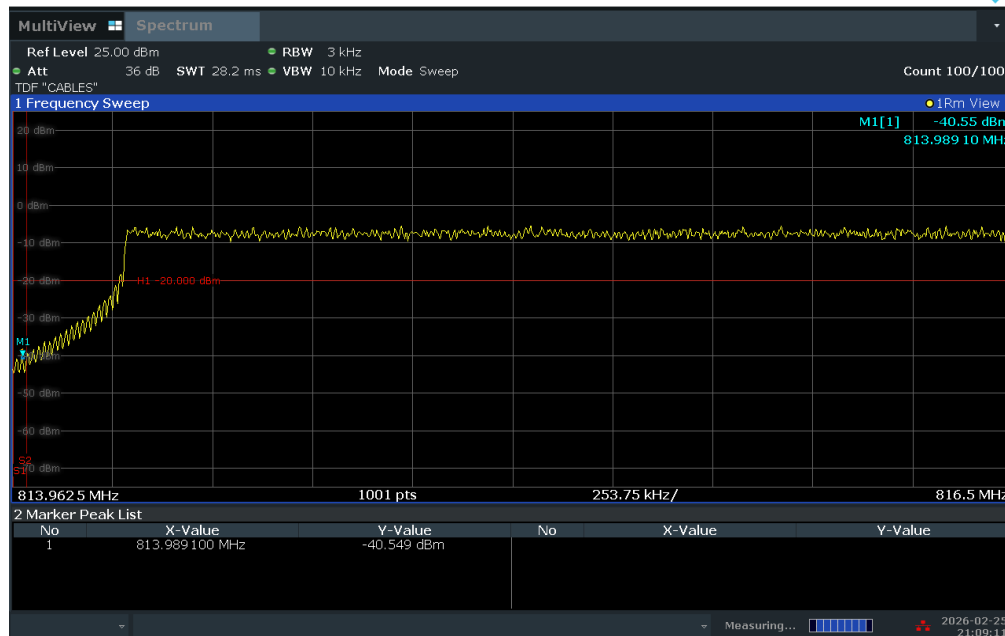
Plot 7-72. Upper Emission Mask Plot (LTE Band 26, 3MHz QPSK - RB Size 25)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 58 of 104

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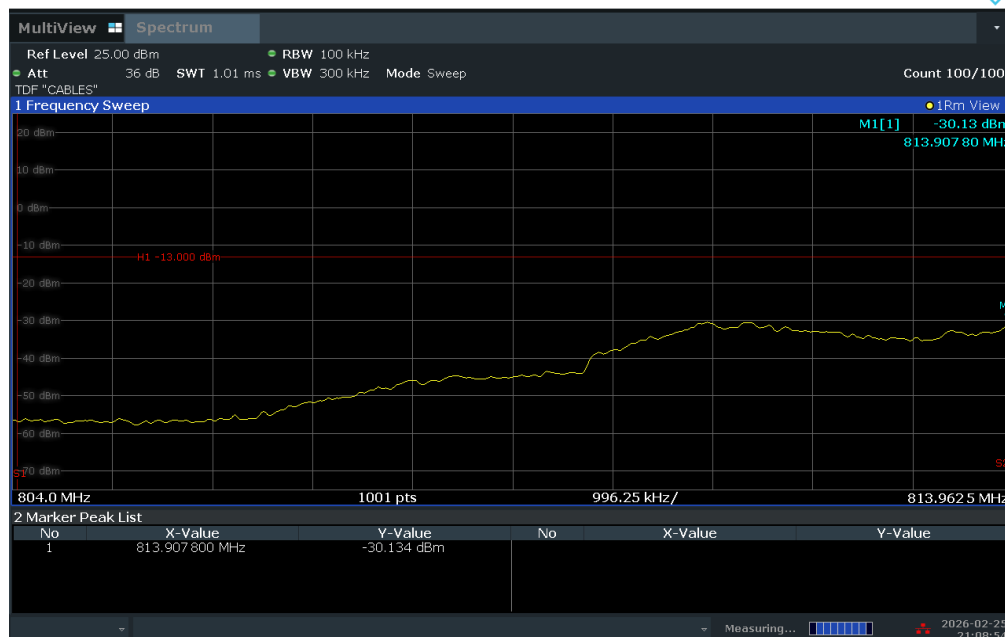
Test Plot



09:09:11 PM 02/25/2026

Plot 7-73. Lower Band Edge Plot (LTE Band 26, 5MHz QPSK - RB Size 25)

Test Plot



09:08:54 PM 02/25/2026

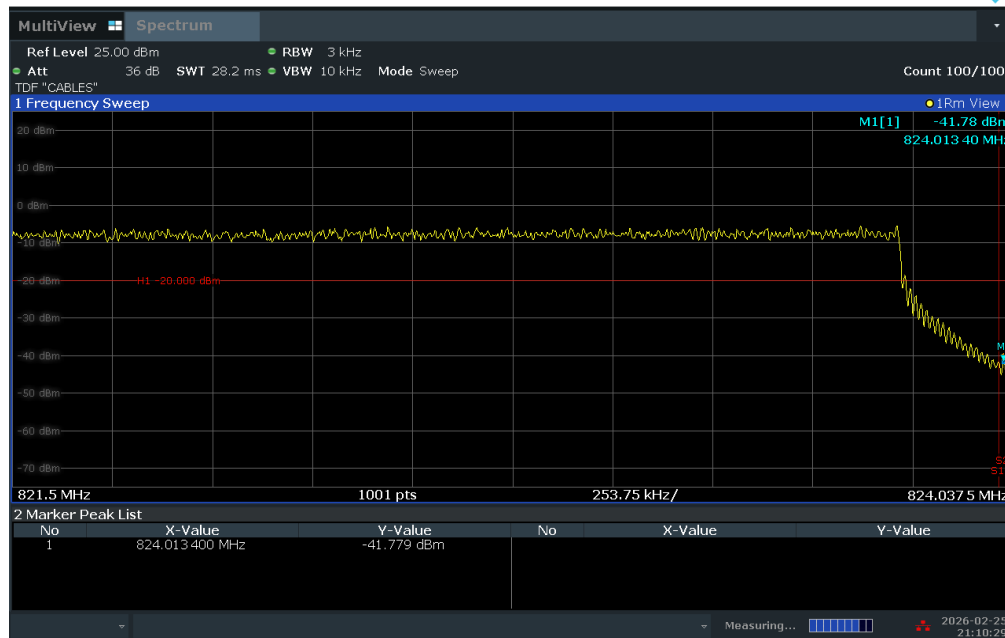
Plot 7-74. Lower Emission Mask Plot (LTE Band 26, 5MHz QPSK - RB Size 25)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 59 of 104

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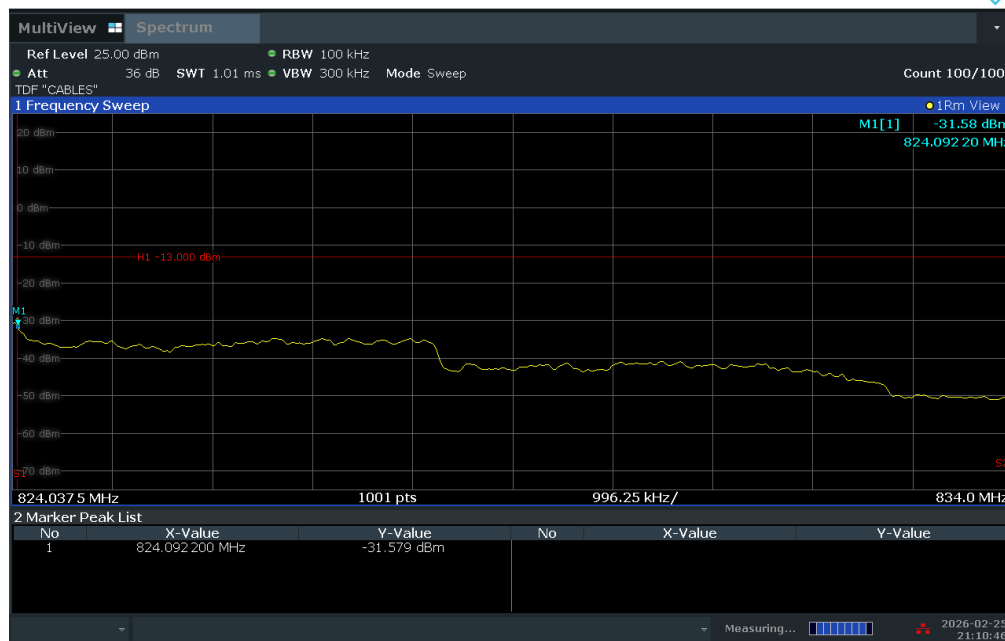
Test Plot



09:10:30 PM 02/25/2026

Plot 7-75. Upper Band Edge Plot (LTE Band 26, 5MHz QPSK - RB Size 25)

Test Plot



09:10:47 PM 02/25/2026

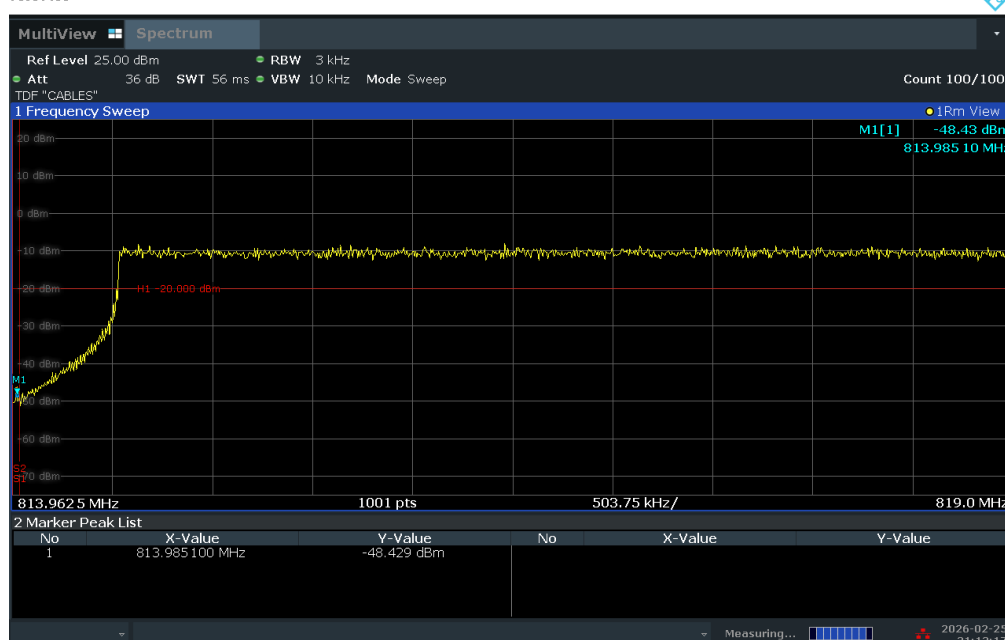
Plot 7-76. Upper Emission Mask Plot (LTE Band 26, 5MHz QPSK - RB Size 25)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 60 of 104

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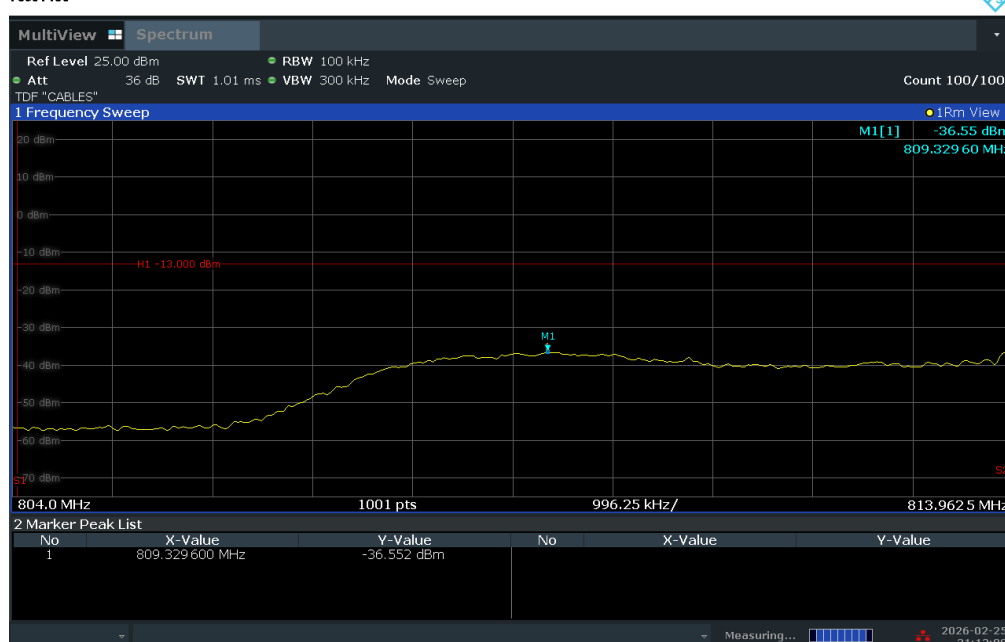
Test Plot



09:12:18 PM 02/25/2026

Plot 7-77. Lower Band Edge Plot (LTE Band 26, 10MHz QPSK - RB Size 50)

Test Plot



09:12:00 PM 02/25/2026

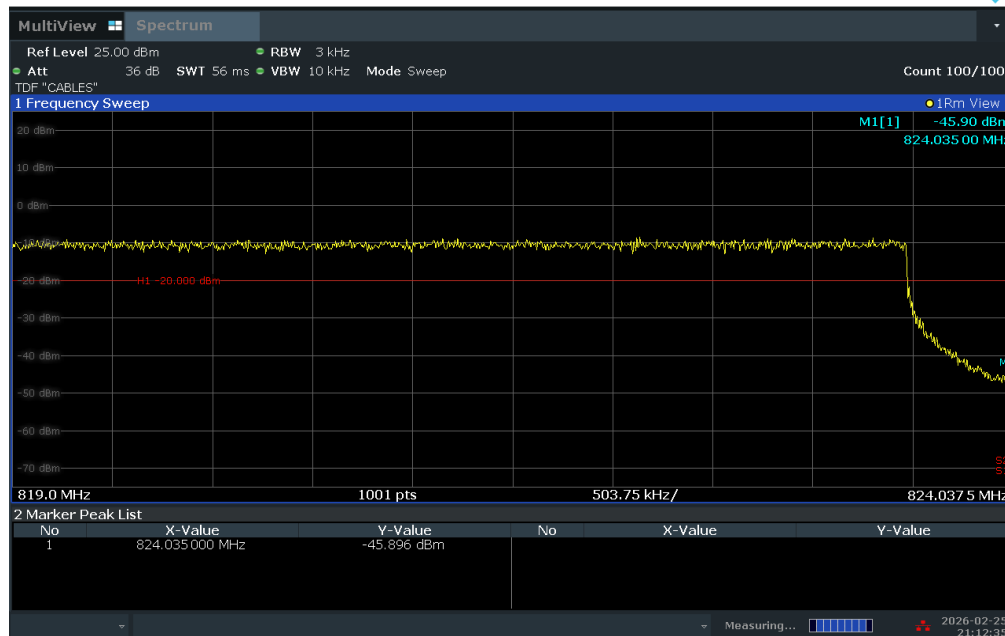
Plot 7-78. Lower Emission Mask Plot (LTE Band 26, 10MHz QPSK - RB Size 50)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 104

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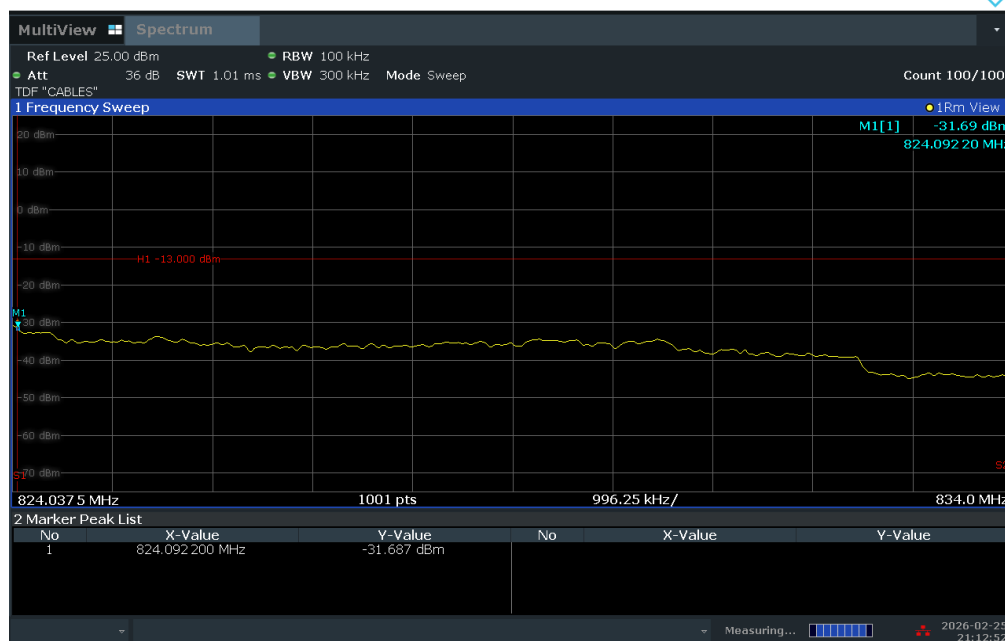
Test Plot



09:12:35 PM 02/25/2026

Plot 7-79. Upper Band Edge Plot (LTE Band 26, 10MHz QPSK - RB Size 50)

Test Plot



09:12:52 PM 02/25/2026

Plot 7-80. Upper Emission Mask Plot (LTE Band 26, 10MHz QPSK - RB Size 50)

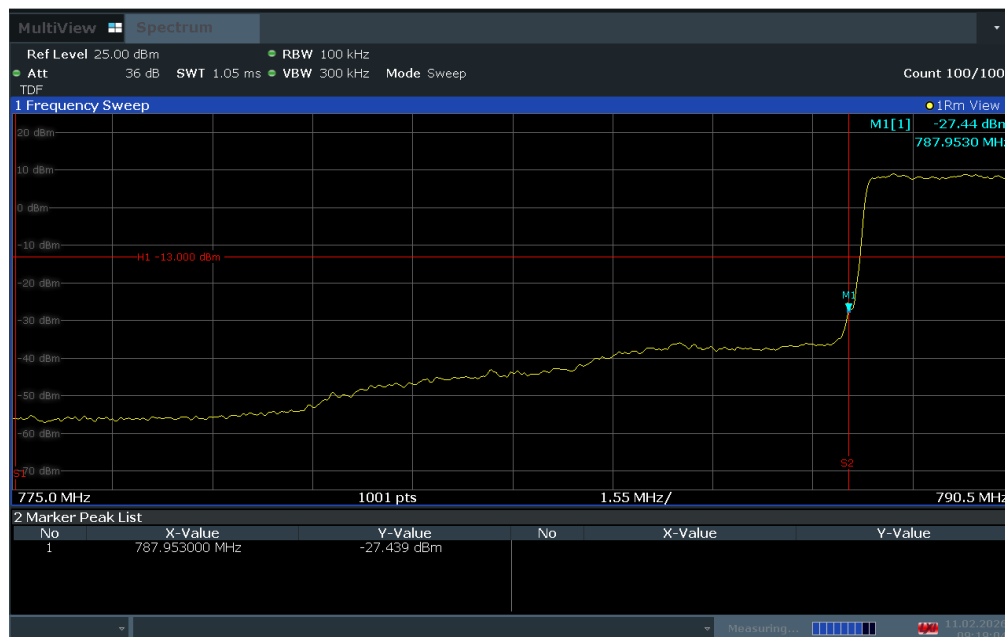
FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
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LTE Band 14

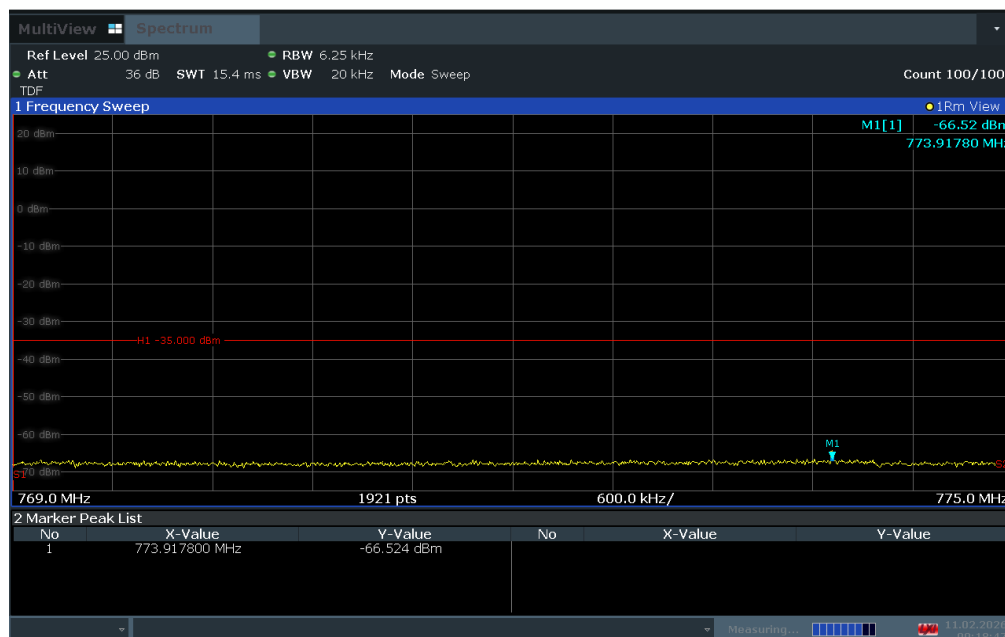
Peak



09:19:04 11.02.2026

Plot 7-81. Lower Band Edge Plot (LTE Band 14, 5MHz QPSK - RB Size 25)

Peak



09:18:47 11.02.2026

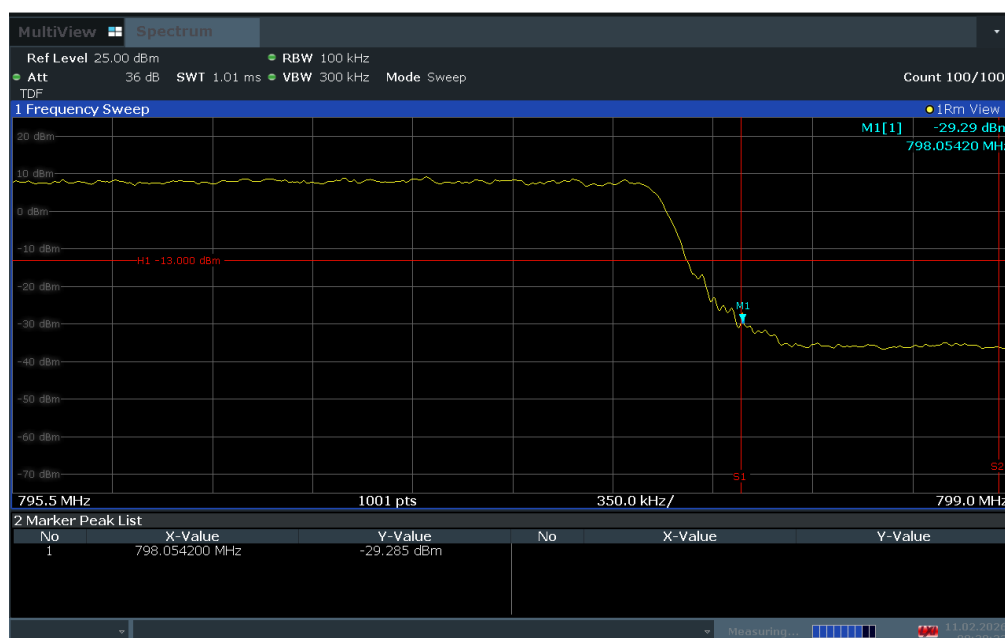
Plot 7-82. Lower Emission Mask Plot (LTE Band 14, 5MHz QPSK - RB Size 25)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 63 of 104

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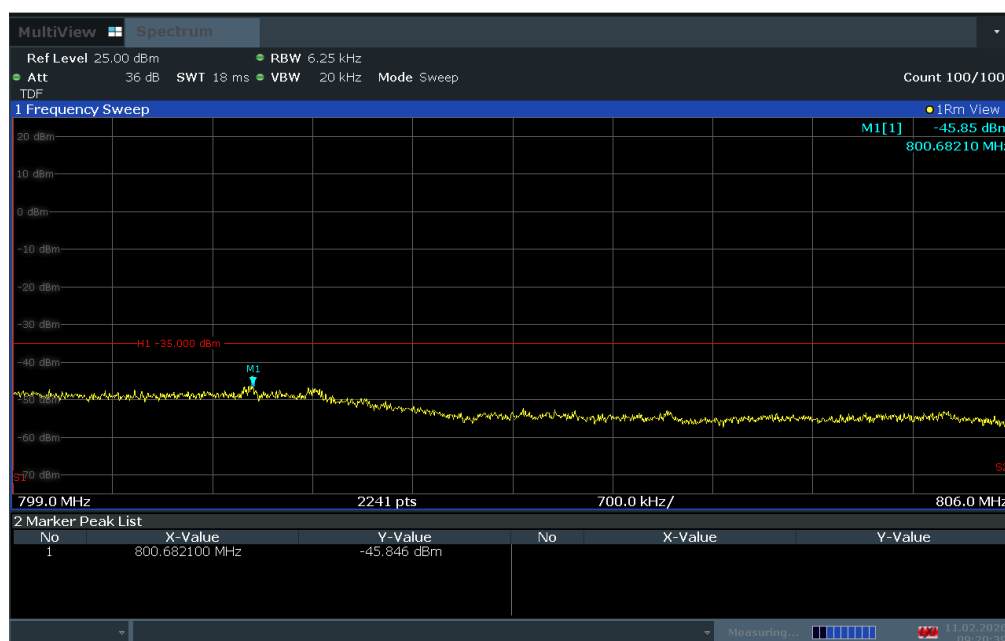
Peak



09:20:22 11.02.2026

Plot 7-83. Upper Band Edge Plot (LTE Band 14, 5MHz QPSK - RB Size 25)

Peak



09:20:39 11.02.2026

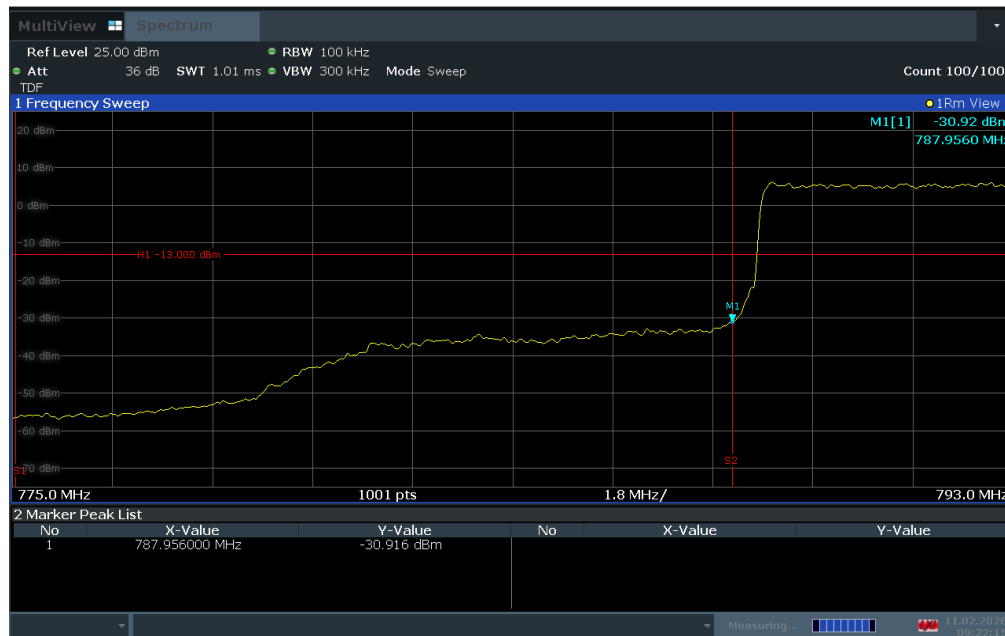
Plot 7-84. Upper Emission Mask Plot (LTE Band 14, 5MHz QPSK - RB Size 25)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 64 of 104

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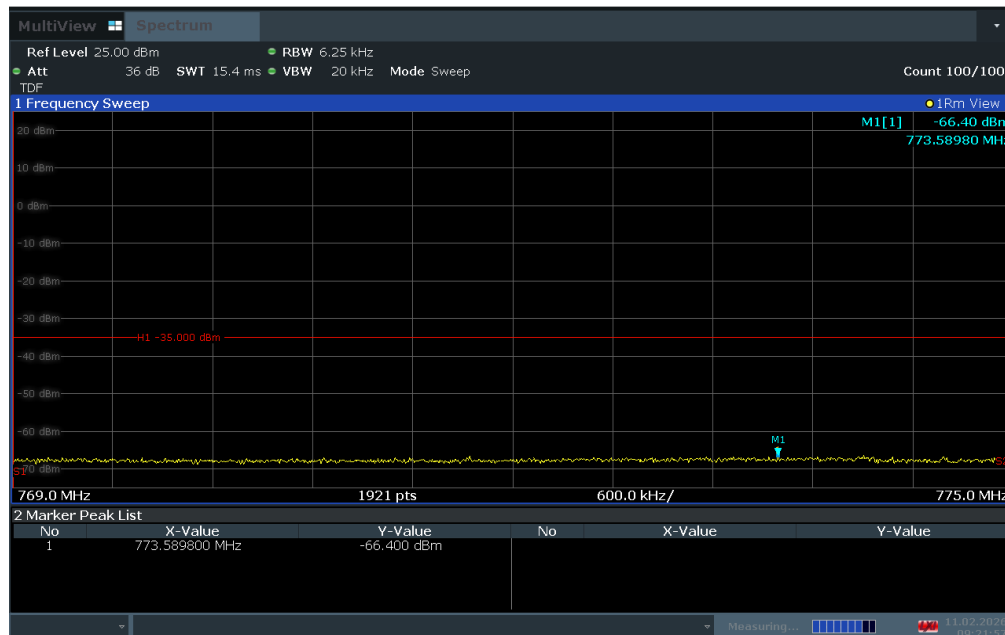
Peak



09:22:15 11.02.2026

Plot 7-85. Lower Band Edge Plot (LTE Band 14, 10MHz QPSK - RB Size 50)

Peak



09:21:58 11.02.2026

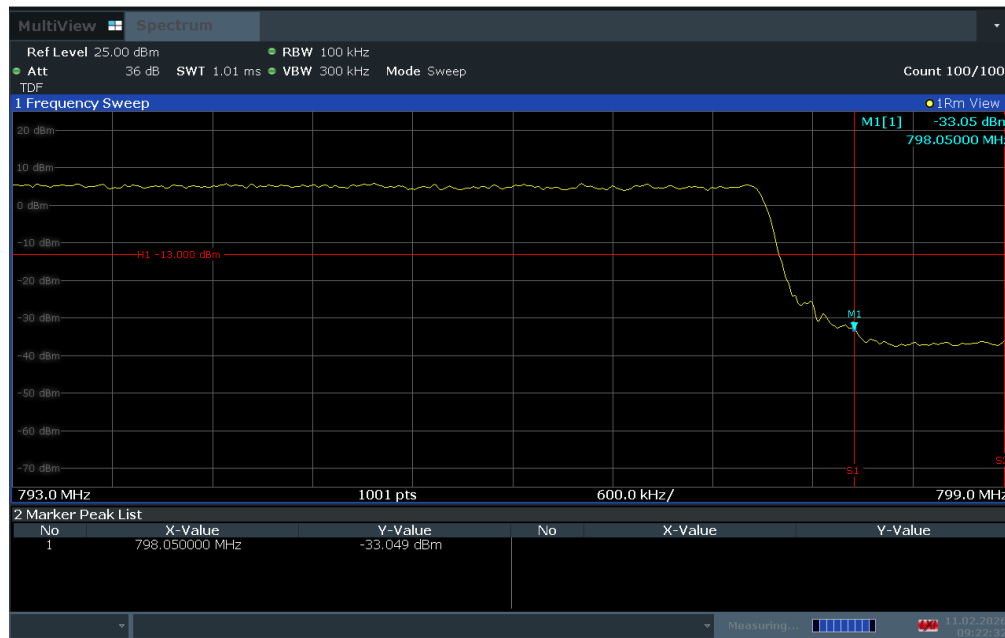
Plot 7-86. Lower Emission Mask Plot (LTE Band 14, 10MHz QPSK - RB Size 50)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 65 of 104

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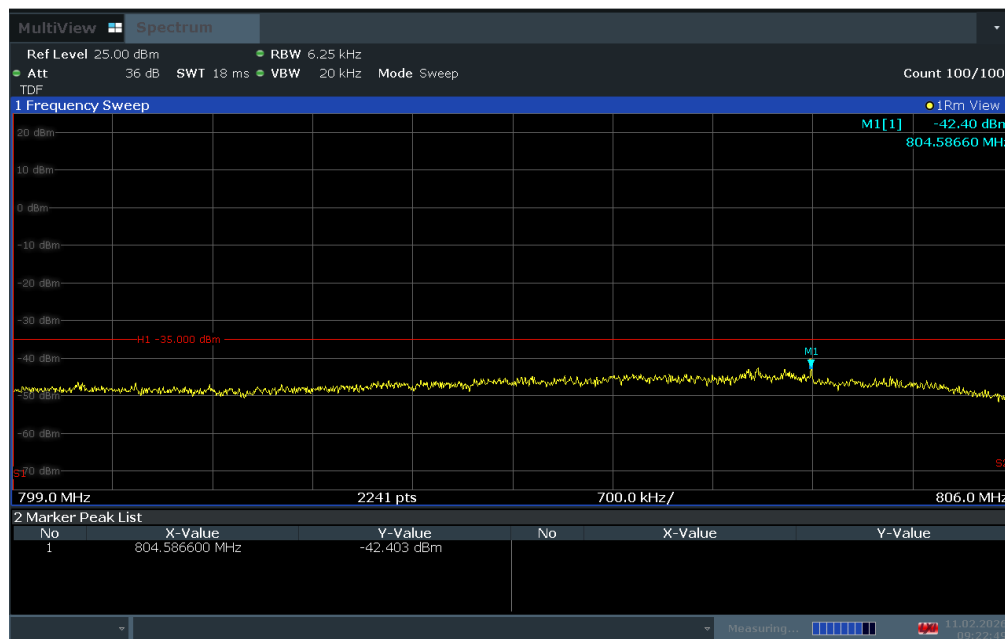
Peak



09:22:32 11.02.2026

Plot 7-87. Upper Band Edge Plot (LTE Band 14, 10MHz QPSK - RB Size 50)

Peak



09:22:50 11.02.2026

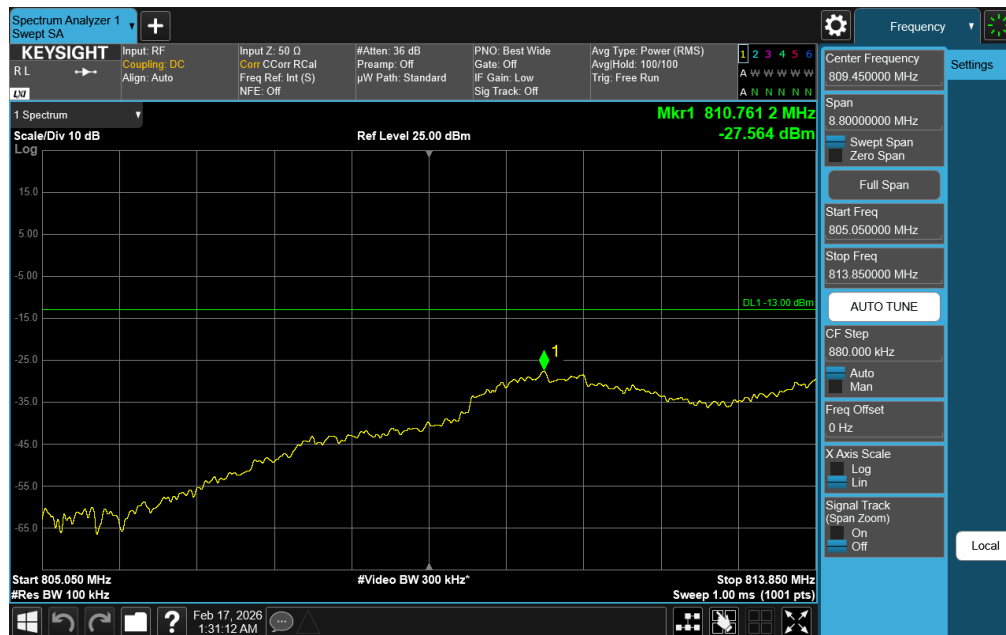
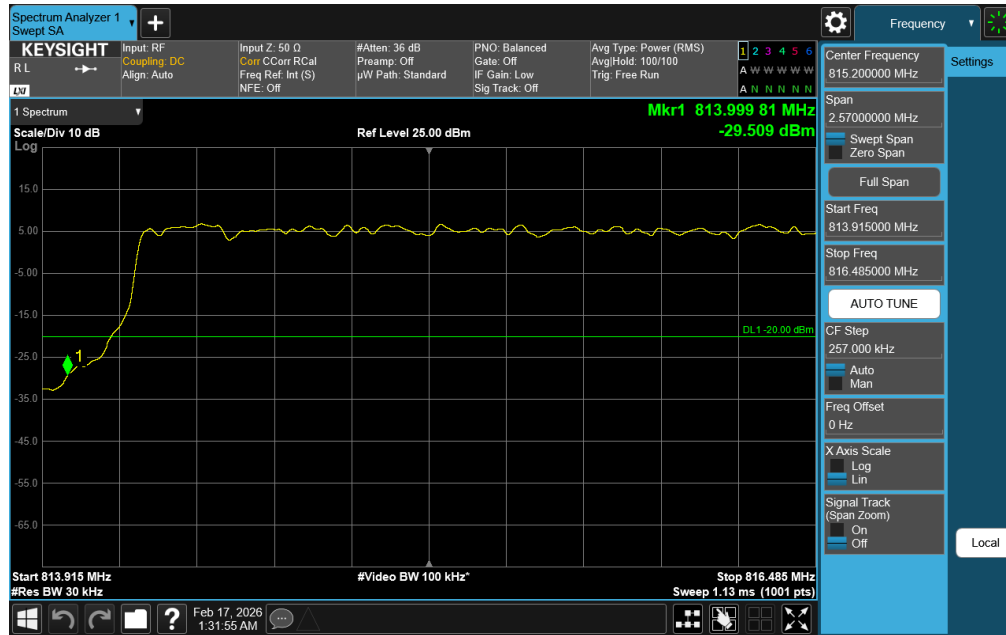
Plot 7-88. Upper Emission Mask Plot (LTE Band 14, 10MHz QPSK - RB Size 50)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 66 of 104

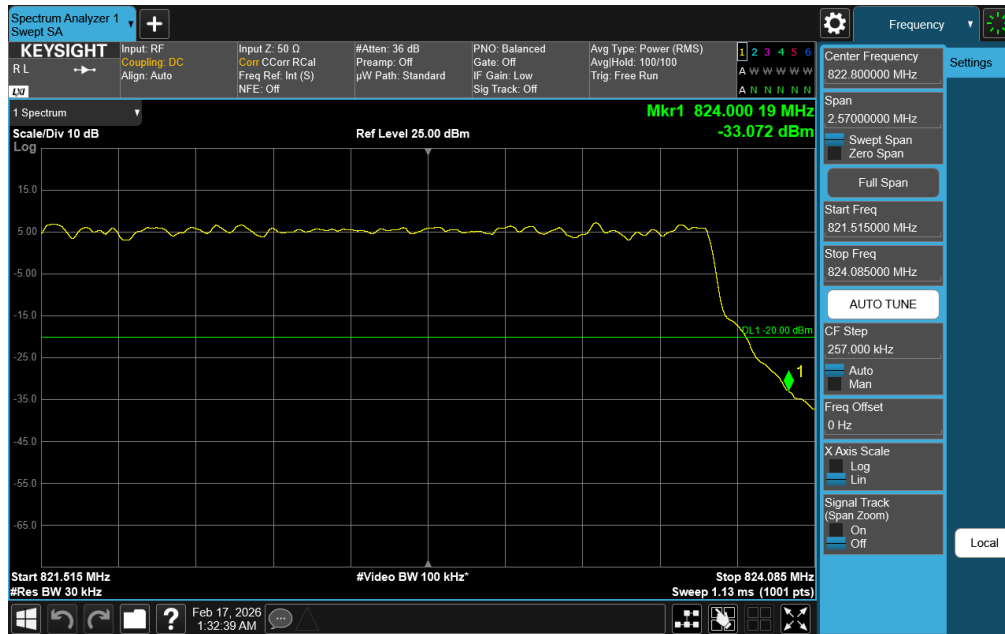
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NR Band n26



FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 104

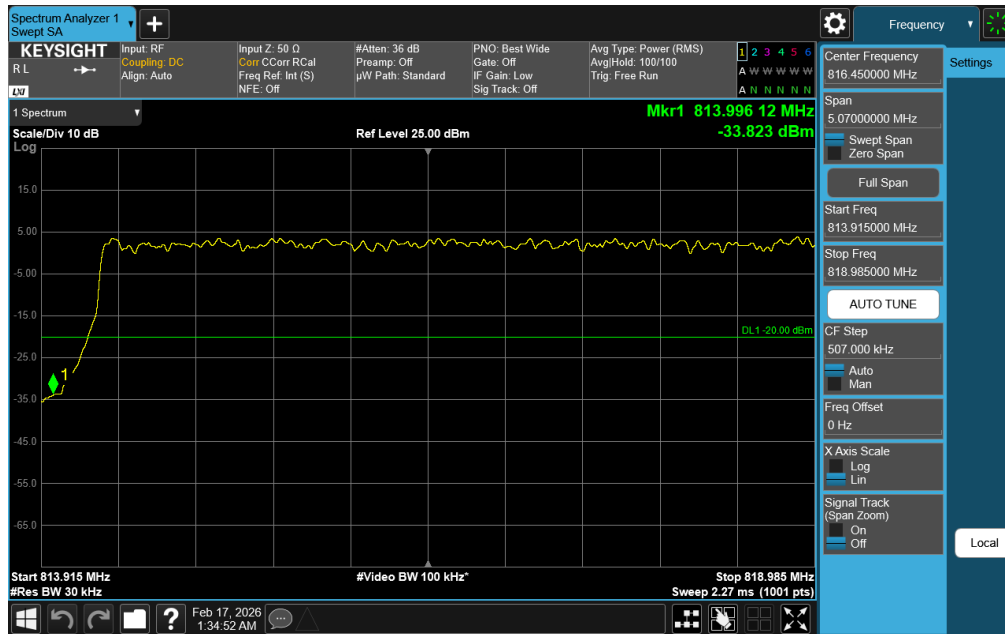


Plot 7-91. Upper Band Edge Plot (NR Band n26, 5MHz DFT-s-OFDM $\pi/2$ BPSK - RB Size 25)

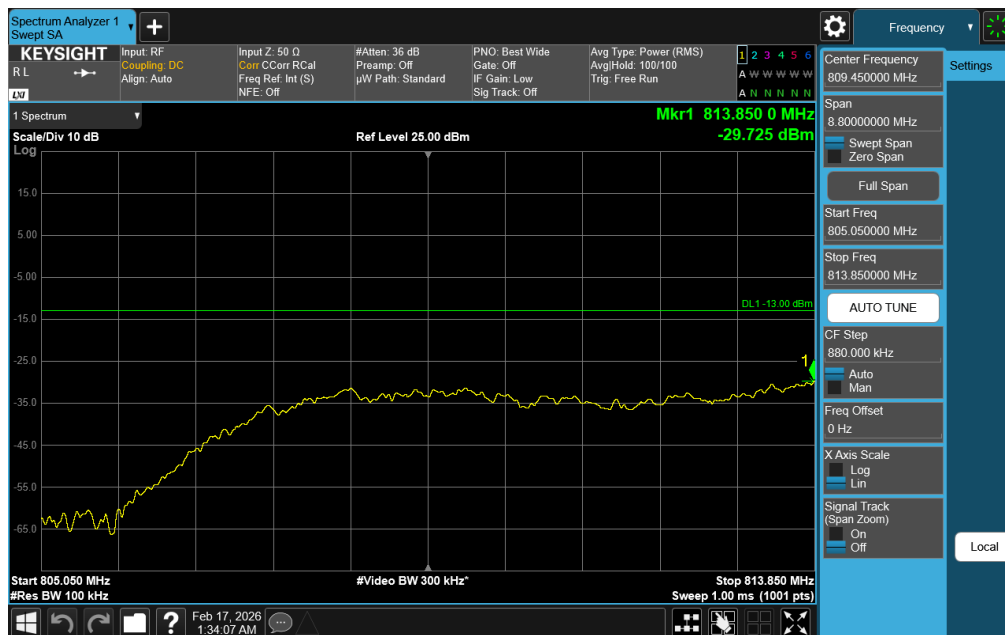


Plot 7-92. Upper Emission Mask Plot (NR Band n26, 5MHz DFT-s-OFDM $\pi/2$ BPSK - RB Size 25)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 104



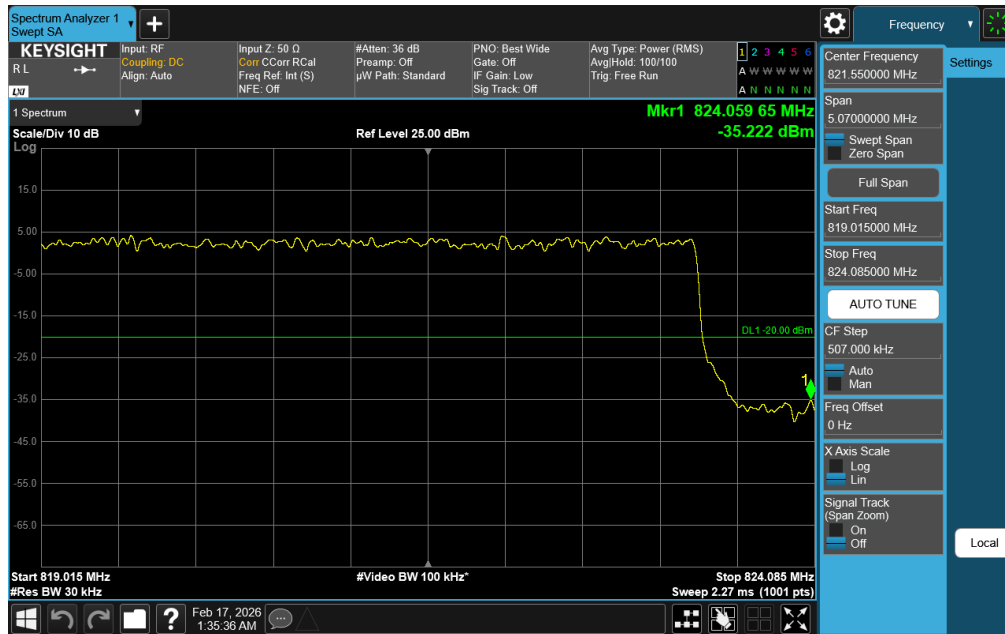
Plot 7-93. Lower Band Edge Plot (NR Band n26, 10MHz DFT-s-OFDM $\pi/2$ BPSK - RB Size 25)



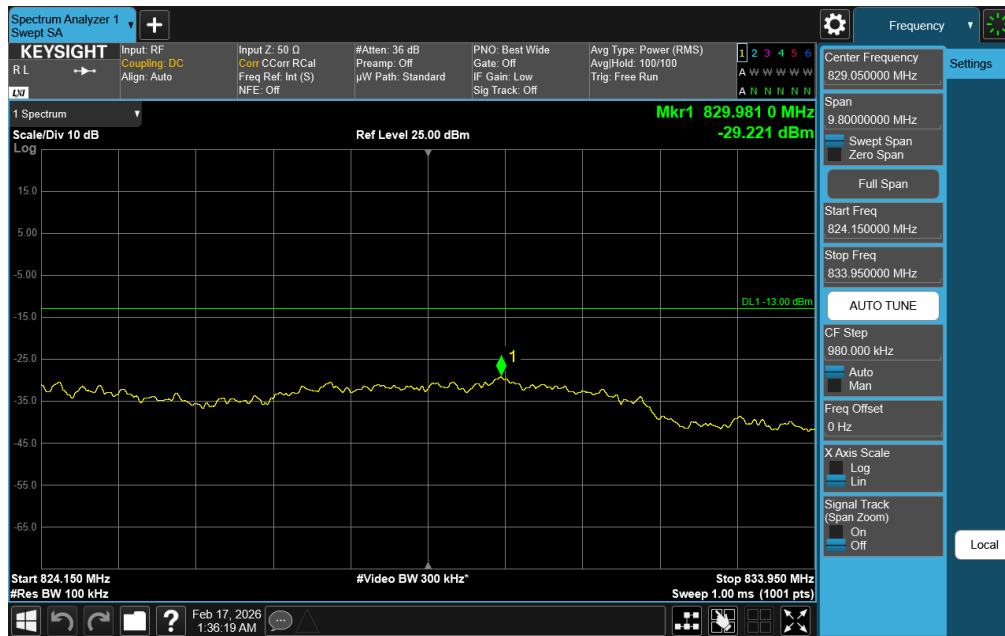
Plot 7-94. Lower Emission Mask Plot (NR Band n26, 10MHz DFT-s-OFDM $\pi/2$ BPSK - RB Size 25)

FCC ID: BCG-A3587 IC: 579C-A3587	element	Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 104

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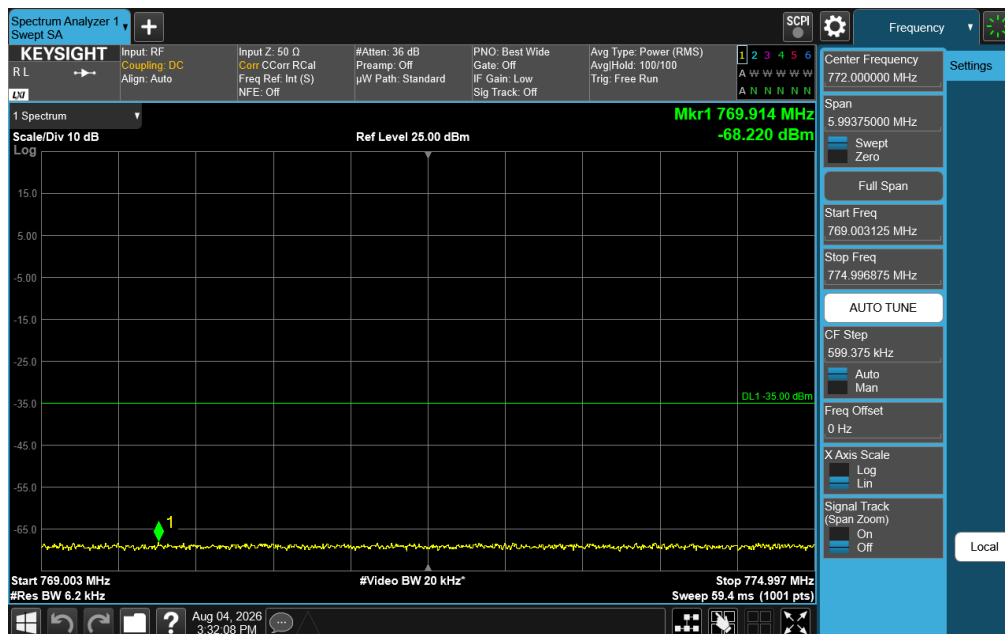
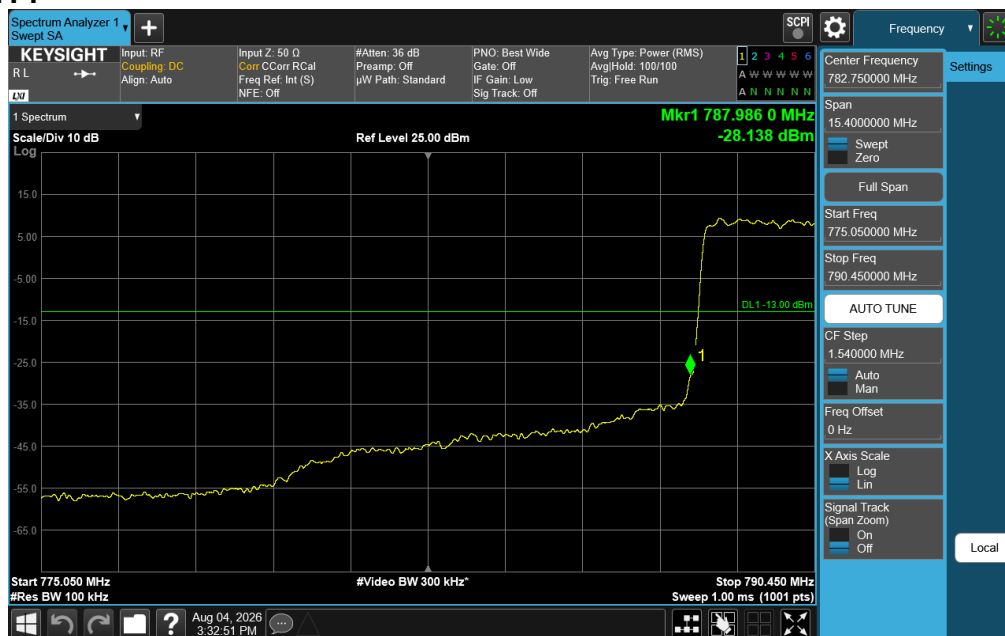
Plot 7-95. Upper Band Edge Plot (NR Band n26, 10MHz DFT-s-OFDM $\pi/2$ BPSK - RB Size 25)



Plot 7-96. Upper Emission Mask Plot (NR Band n26, 10MHz DFT-s-OFDM $\pi/2$ BPSK - RB Size 25)

FCC ID: BCG-A3587 IC: 579C-A3587	element	Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 104

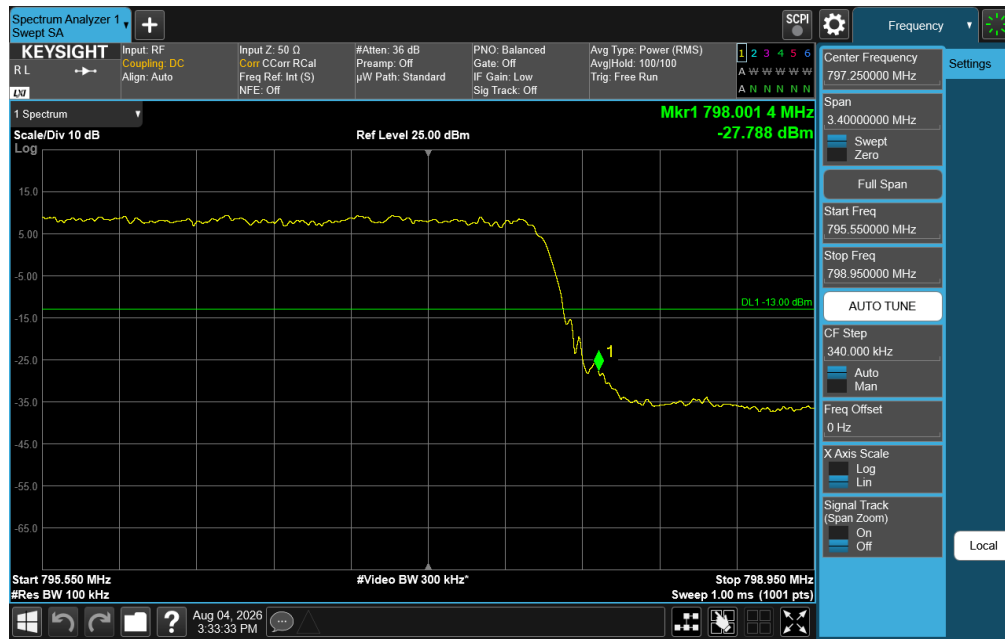
NR Band n14



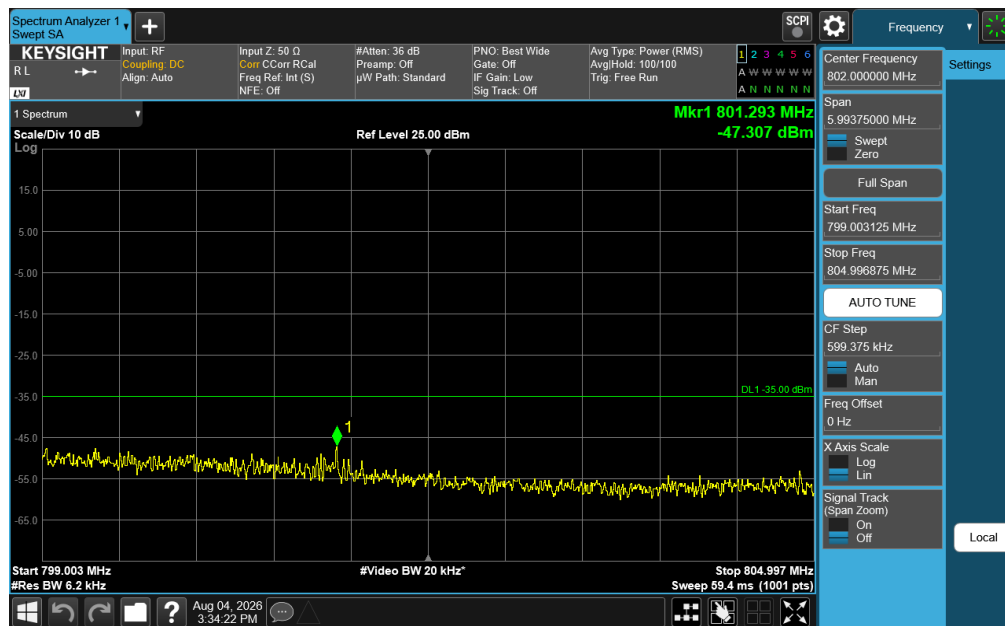
FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 71 of 104

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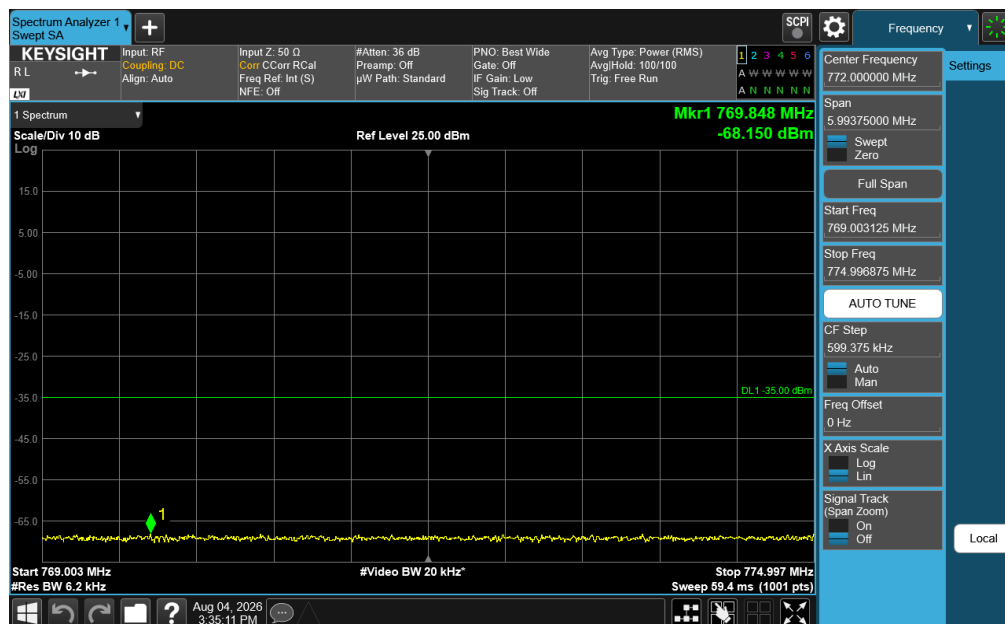
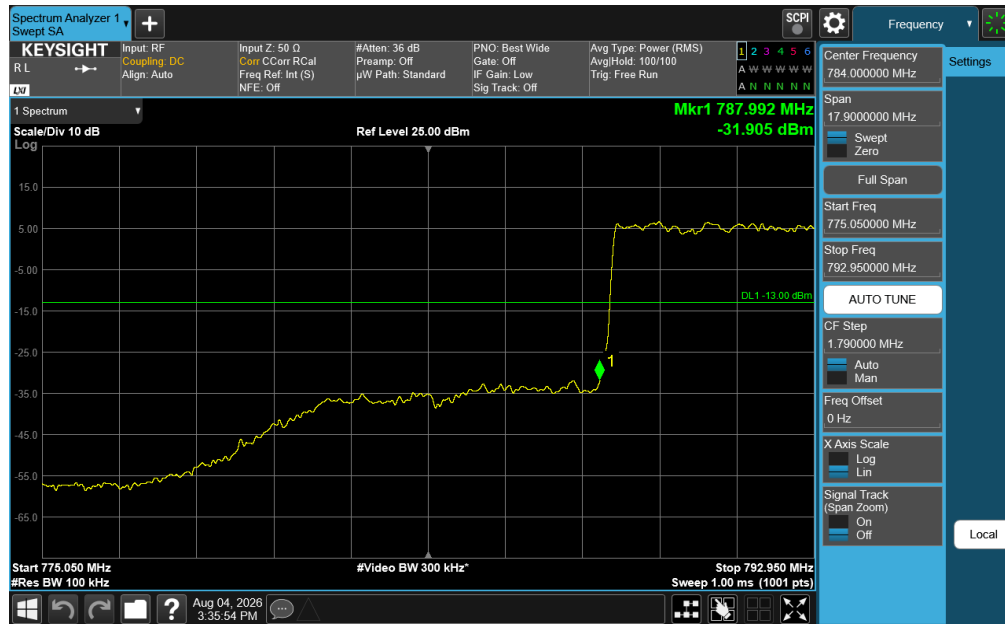


Plot 7-99. Upper Band Edge Plot (NR Band n14, 5MHz DFT-s-OFDM $\pi/2$ BPSK - RB Size 25)

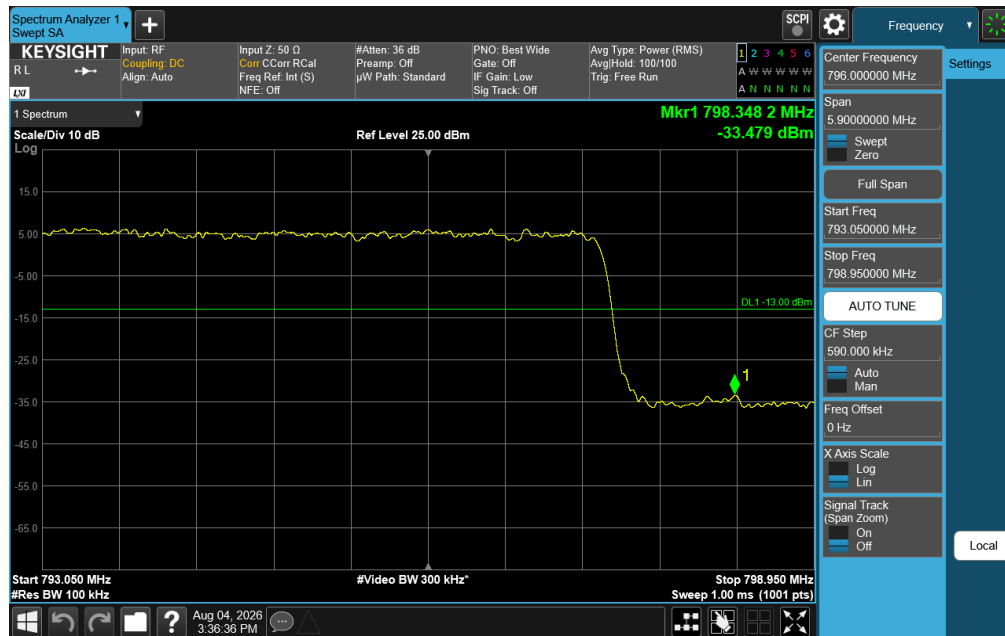


Plot 7-100. Upper Emission Mask Plot (NR Band n14, 5MHz DFT-s-OFDM $\pi/2$ BPSK - RB Size 25)

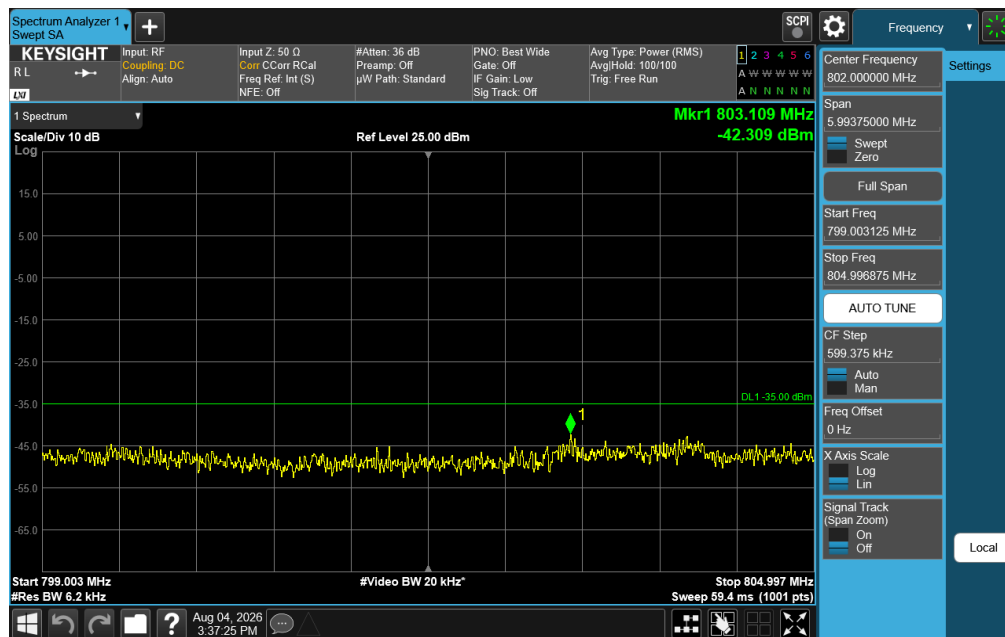
FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 72 of 104



FCC ID: BCG-A3587 IC: 579C-A3587	element	Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 73 of 104



Plot 7-103. Upper Band Edge Plot (NR Band n14, 10MHz DFT-s-OFDM $\pi/2$ BPSK - RB Size 50)



Plot 7-104. Upper Emission Mask Plot (NR Band n14, 10MHz DFT-s-OFDM $\pi/2$ BPSK - RB Size 50)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 104

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 13dB for more than 0.1% of the time.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 5.7.1

ANSI C63.26-2015

Test Settings

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW ≥ 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-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 104

Test Setup

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

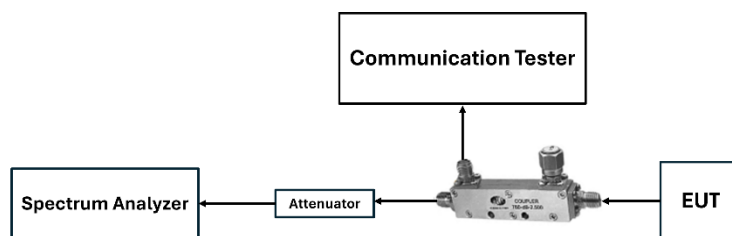


Figure 7-7. LTE Test Instrument & Measurement Setup

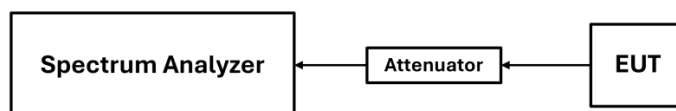


Figure 7-8. FR1 Test Instrument & Measurement Setup

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-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 104

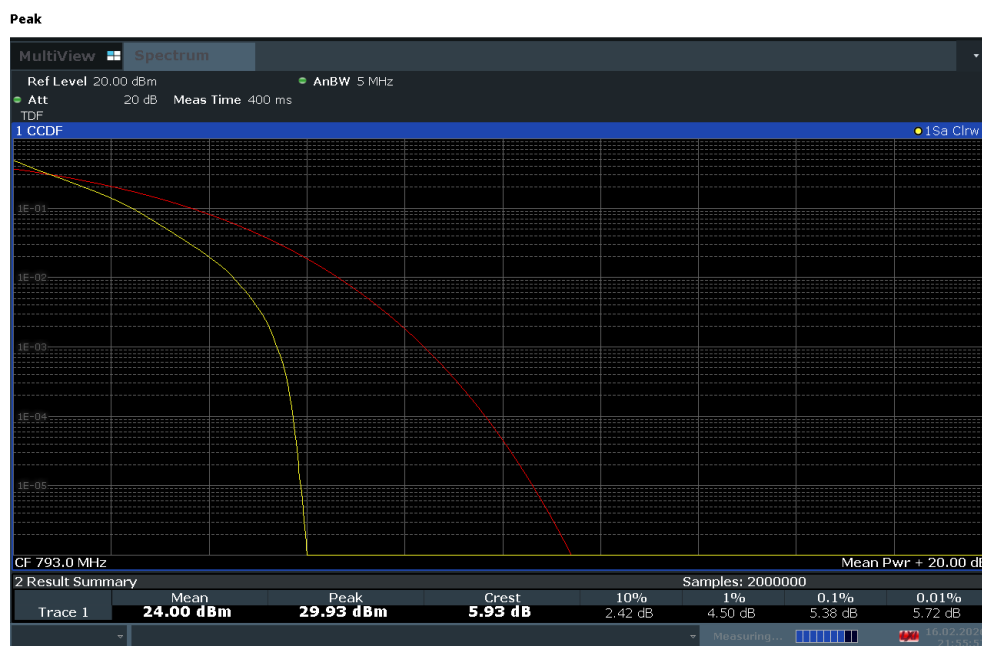
Mode	Bandwidth	Modulation	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
Band 14	5 MHz	QPSK	5.38	13	-7.62
		16-QAM	6.00	13	-7.00
	10 MHz	QPSK	5.38	13	-7.62
		16-QAM	5.76	13	-7.24
NR Band n14	5 MHz	$\pi/2$ BPSK	4.29	13	-8.71
		64-QAM	6.40	13	-6.60
	10 MHz	$\pi/2$ BPSK	4.14	13	-8.86
		64-QAM	6.33	13	-6.67

Table 7-2. Peak-Average Ratio Results

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 104

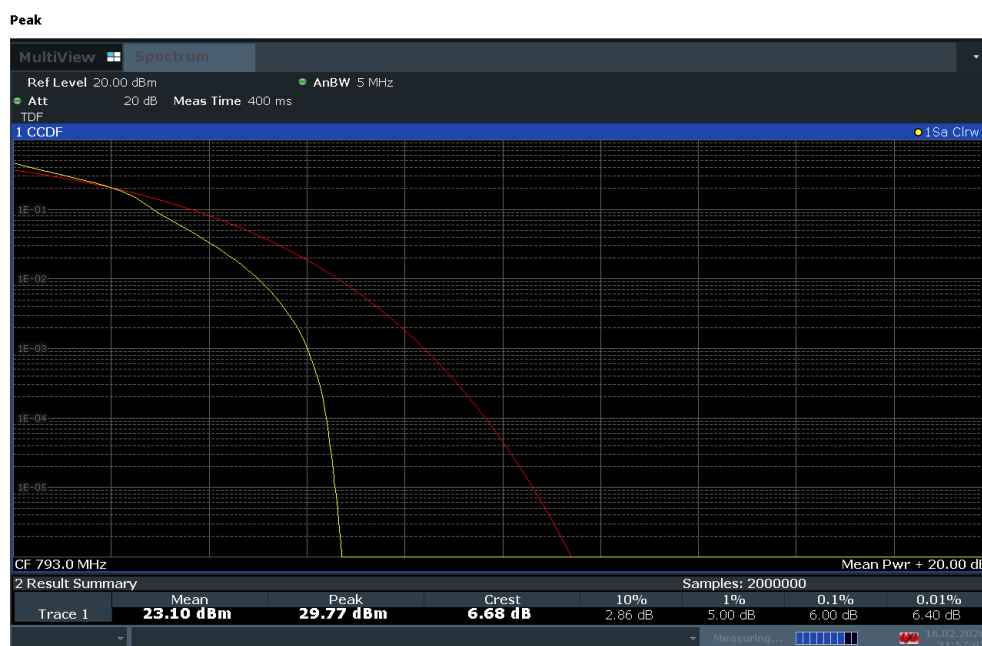
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LTE Band 14



21:55:58 16.02.2026

Plot 7-105. PAR Plot (LTE Band 14 - 5MHz QPSK - Full RB)



21:57:03 16.02.2026

Plot 7-106. PAR Plot (LTE Band 14 - 5MHz 16-QAM - Full RB)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 104

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Peak



21:58:08 16.02.2026

Plot 7-107. PAR Plot (LTE Band 14 - 10MHz QPSK - Full RB)

Peak



21:59:13 16.02.2026

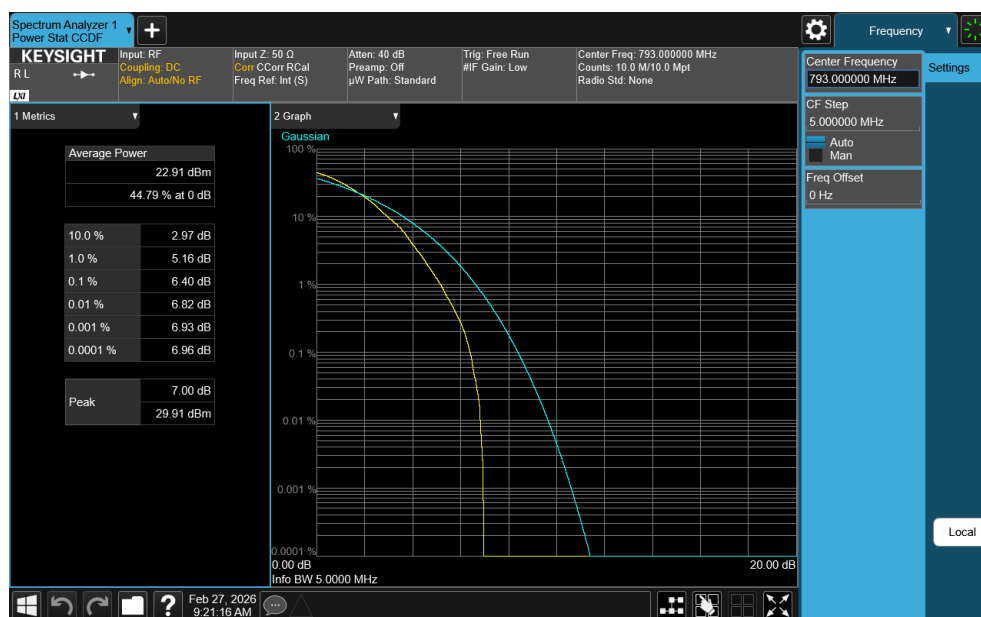
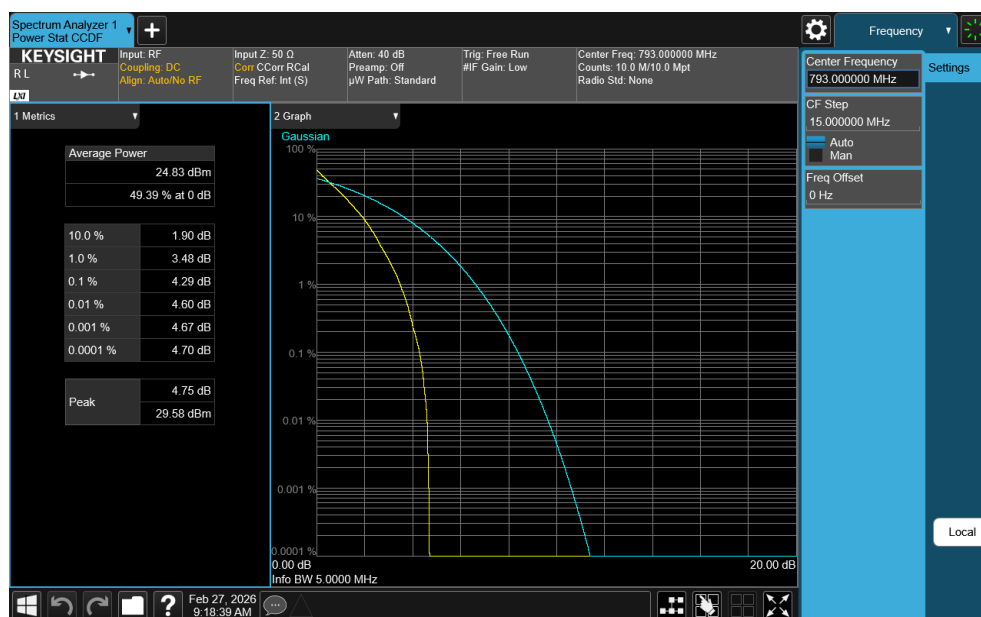
Plot 7-108. PAR Plot (LTE Band 14 - 10MHz 16-QAM - Full RB)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
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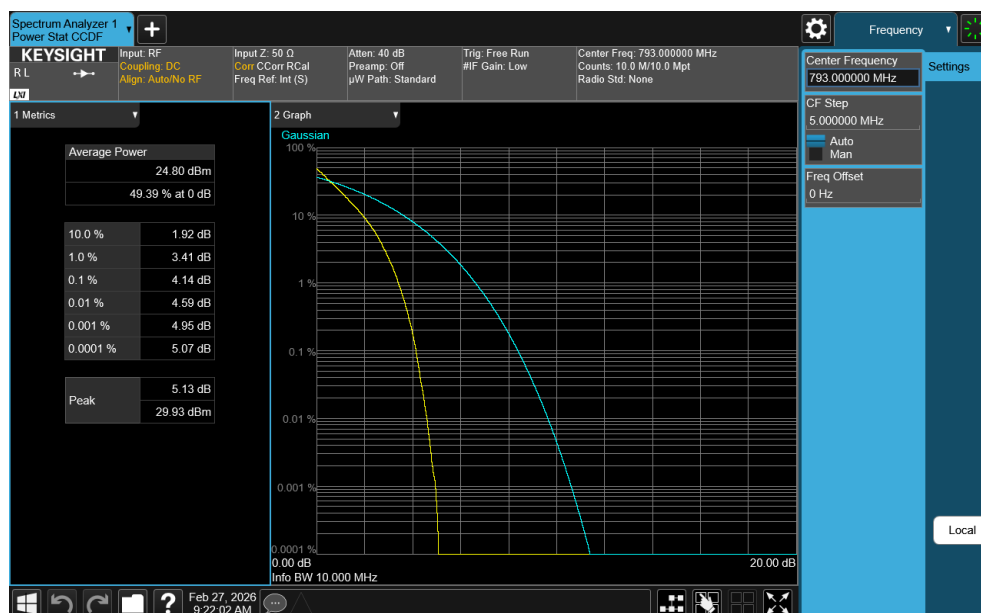
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NR Band n14

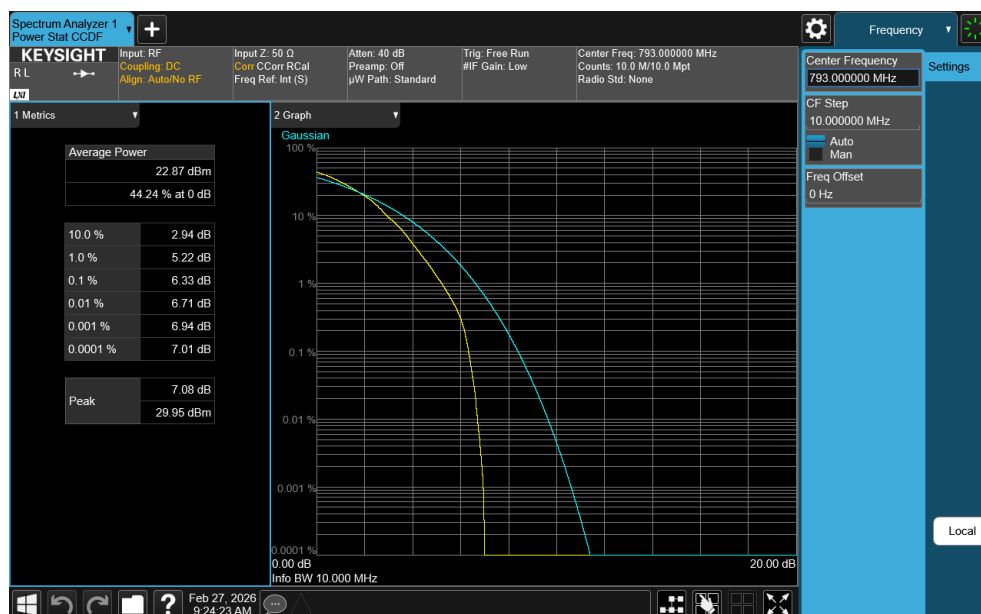


FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 80 of 104

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Plot 7-111. PAR Plot (NR Band n14, 10MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB)



Plot 7-112. PAR Plot (NR Band n14, 10MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 81 of 104

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7.6 Conducted Power Output Data

Test Overview

Conducted power measurements are performed to measure the average output power of the EUT. The averaging is to be performed only over duration of active transmissions at maximum output power level. The average measurements do not include averaging over periods when the transmitter is quiescent or when operating at reduced power level.

Test Procedures Used

KDB 971168 D01 v03r01

Test Setup

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

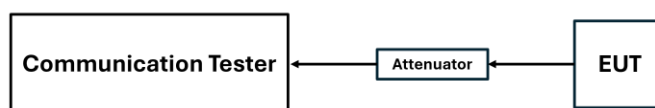


Figure 7-9. LTE Conducted Power Measurement Setup

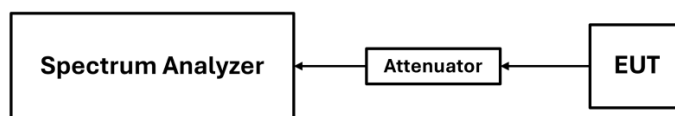


Figure 7-10. FR1 Conducted Power Measurement Setup

Test Notes

1. The EUT was tested in all possible test configurations. The worst case emissions are reported with the EUT modulations and channel bandwidth configurations shown in the tables below.
2. 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-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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.		

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7.6.1 Antenna BCM – Conducted Power

Bandwidth	Modulation	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]	Conducted Power [mW]	Conducted Power Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	814.7	1 / 0	25.70	371.535	50.00	-24.30
		823.3	1 / 3	25.48	353.183	50.00	-24.52
	16-QAM	814.7	1 / 0	25.67	368.978	50.00	-24.33
3 MHz	QPSK	815.5	1 / 7	25.51	355.631	50.00	-24.49
		822.5	1 / 0	25.57	360.579	50.00	-24.43
	16-QAM	815.5	1 / 14	25.49	353.997	50.00	-24.51
5 MHz	QPSK	816.5	1 / 0	25.54	358.096	50.00	-24.46
		821.5	1 / 0	25.67	368.978	50.00	-24.33
	16-QAM	821.5	1 / 24	24.67	293.089	50.00	-25.33
10 MHz	QPSK	819.0	1 / 25	25.70	371.535	50.00	-24.30
	16-QAM	819.0	1 / 49	24.65	291.743	50.00	-25.35

Table 7-3. Antenna BCM Conducted Output Data (LTE Band 26)

Bandwidth	Modulation	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]	Conducted Power [mW]	Conducted Power Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	816.5	1 / 24	25.61	363.915	50.00	-24.39
		819.0	1 / 24	25.69	370.681	50.00	-24.31
		821.5	1 / 0	25.54	358.096	50.00	-24.46
	QPSK	816.5	1 / 24	25.70	371.535	50.00	-24.30
		819.0	1 / 12	25.70	371.535	50.00	-24.30
		821.5	1 / 24	25.51	355.631	50.00	-24.49
	16-QAM	816.5	1 / 12	24.53	283.792	50.00	-25.47
		819.0	1 / 12	24.54	284.446	50.00	-25.46
		821.5	1 / 0	24.70	295.121	50.00	-25.30
10 MHz	64-QAM	816.5	1 / 12	23.48	222.844	50.00	-26.52
		819.0	1 / 0	23.47	222.331	50.00	-26.53
		821.5	1 / 24	23.64	231.206	50.00	-26.36
	$\pi/2$ BPSK	819.0	1 / 0	25.50	354.813	50.00	-24.50
	QPSK	819.0	1 / 0	25.63	365.595	50.00	-24.37
	16-QAM	819.0	1 / 25	24.66	292.415	50.00	-25.34
	64-QAM	819.0	1 / 25	23.48	222.844	50.00	-26.52

Table 7-4. Antenna BCM Conducted Output Data (NR Band n26)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
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7.7 Radiated Power (ERP)

Test Overview

Effective Radiated Power (ERP) 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

Test Settings

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

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

Where:

ERP = Effective 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 dBd (ERP)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 84 of 104

Test Setup

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

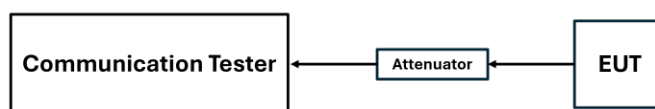


Figure 7-11. LTE ERP Measurement Setup

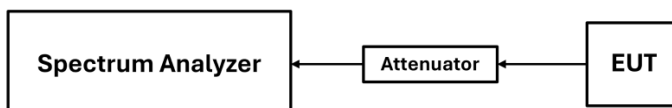


Figure 7-12. FR1 ERP Measurement Setup

Test Notes

1. The worst case emissions are reported with the 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-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 104

7.7.1 Antenna BCM - ERP

Bandwidth	Modulation	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [mW]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	790.5	-28.70	1 / 0	25.48	-5.37	0.290	34.77	-40.14
		793.0	-28.70	1 / 24	25.62	-5.23	0.300	34.77	-40.00
		795.5	-28.70	1 / 0	25.70	-5.15	0.305	34.77	-39.92
10 MHz	16-QAM	795.5	-28.70	1 / 12	24.65	-6.20	0.240	34.77	-40.97
	QPSK	793.0	-28.70	1 / 0	25.40	-5.45	0.285	34.77	-40.22
	16-QAM	793.0	-28.70	1 / 0	24.45	-6.40	0.229	34.77	-41.17

Table 7-5. Antenna BCM ERP Data (LTE Band 14)

Bandwidth	Modulation	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [mW]	ERP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	790.5	-28.70	1 / 0	25.68	-5.17	0.304	34.77	-39.94
		793.0	-28.70	1 / 24	25.48	-5.37	0.290	34.77	-40.14
		795.5	-28.70	1 / 24	25.67	-5.18	0.303	34.77	-39.95
	QPSK	790.5	-28.70	1 / 12	25.61	-5.24	0.299	34.77	-40.01
		793.0	-28.70	1 / 0	25.70	-5.15	0.305	34.77	-39.92
		795.5	-28.70	1 / 12	25.57	-5.28	0.296	34.77	-40.05
10 MHz	16-QAM	793.0	-28.70	1 / 0	24.69	-6.16	0.242	34.77	-40.93
	64-QAM	793.0	-28.70	1 / 24	23.51	-7.34	0.185	34.77	-42.11
	$\pi/2$ BPSK	793.0	-28.70	1 / 25	25.58	-5.27	0.297	34.77	-40.04
	QPSK	793.0	-28.70	1 / 51	25.70	-5.15	0.305	34.77	-39.92
	16-QAM	793.0	-28.70	1 / 51	24.66	-6.19	0.240	34.77	-40.96
	64-QAM	793.0	-28.70	1 / 0	23.35	-7.50	0.178	34.77	-42.27

Table 7-6. Antenna BCM ERP Data (NR Band n14)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 86 of 104

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7.8 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 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

ANSI C63.26-2015

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-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 87 of 104

Test Setup

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

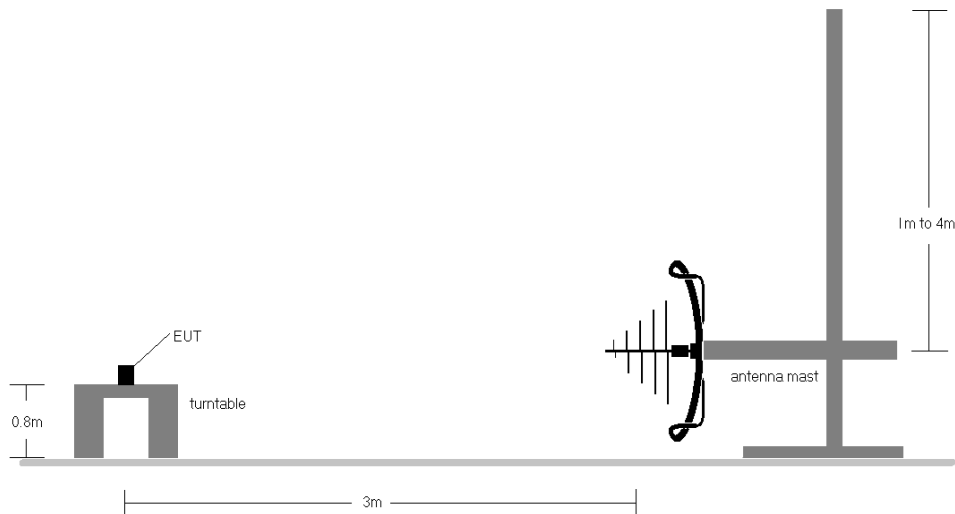


Figure 7-13. Test Instrument & Measurement Setup < 1GHz

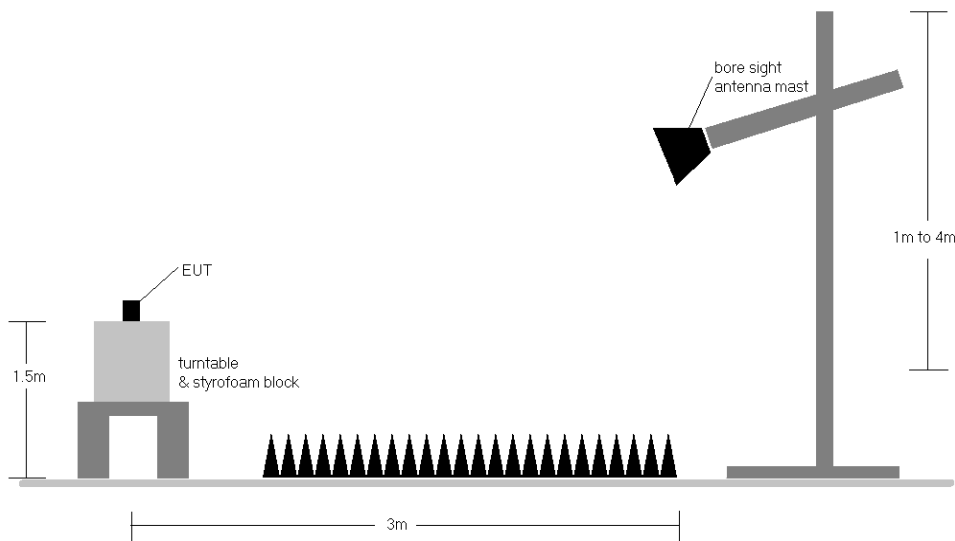


Figure 7-14. Test Instrument & Measurement Setup >1 GHz

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 88 of 104

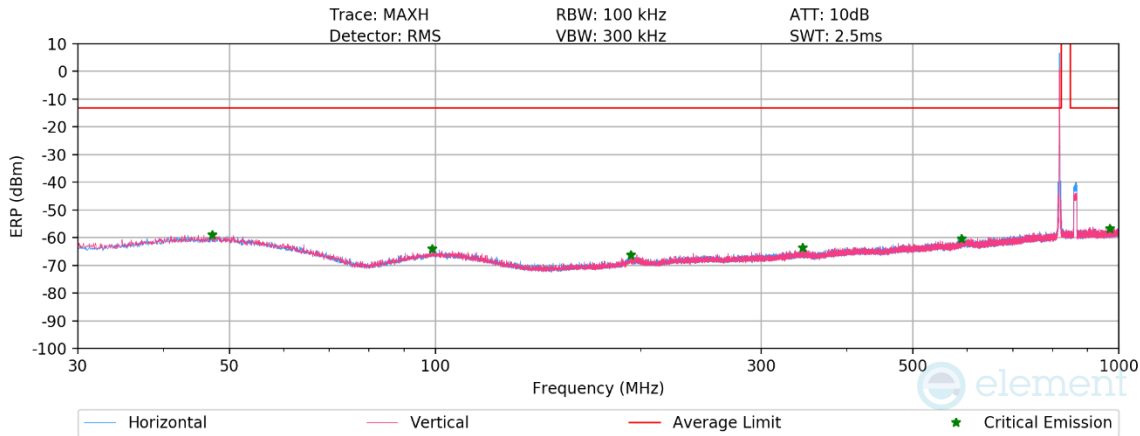
Test Notes

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 device was tested under all modulations, RB sizes and offsets, and channel bandwidth configurations and the worst case emissions are reported with 1 RB.
3. This unit was tested with its standard battery.
4. The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case setup is reported in the tables below.
5. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
6. 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.

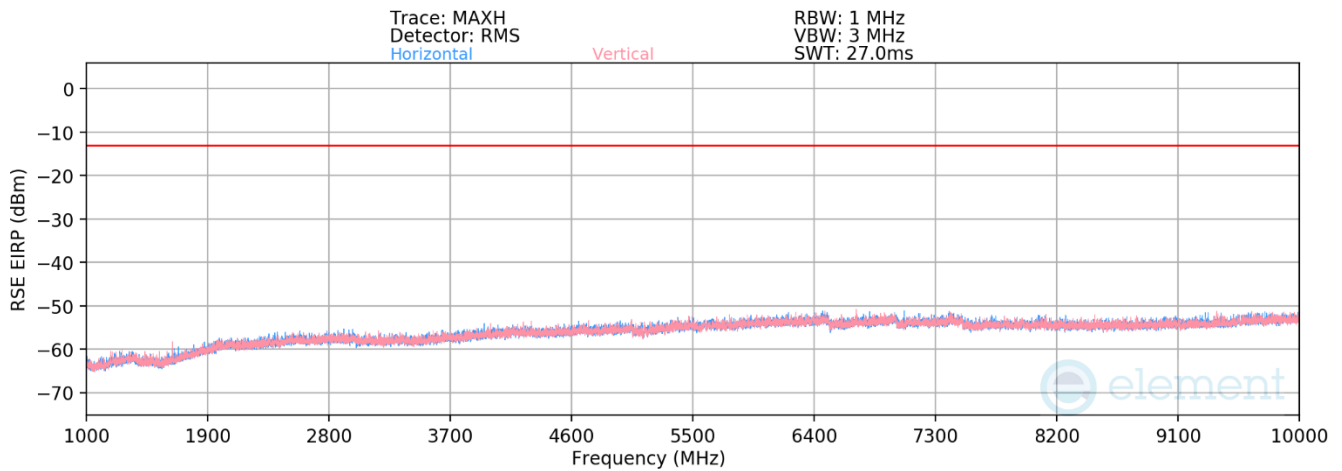
FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 89 of 104

7.8.1 Antenna BCM – Radiated Spurious Emission Measurements

LTE Band 26



Plot 7-113. Antenna BCM Radiated Spurious Plot Below 1GHz (LTE Band 26)



Plot 7-114. Antenna BCM Radiated Spurious Plot Above 1GHz (LTE Band 26)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 104

Bandwidth (MHz):	5
Frequency (MHz):	816.5
RB Config (Size / Offset):	1 / 12

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]
1633.0	V	287	272	-73.49	-5.27	28.24	-67.02	-13.00	-54.02
2449.5	V	-	-	-75.99	-0.53	30.48	-64.78	-13.00	-51.78
3266.0	V	-	-	-76.37	0.72	31.35	-63.91	-13.00	-50.91
4082.5	V	-	-	-76.89	2.27	32.38	-62.88	-13.00	-49.88

Table 7-7. Antenna BCM Radiated Spurious Data (LTE Band 26 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	819.0
RB Config (Size / Offset):	1 / 25

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]
1638.0	V	277	271	-72.86	-5.27	28.87	-66.38	-13.00	-53.38
2457.0	V	-	-	-76.46	-0.24	30.30	-64.95	-13.00	-51.95
3276.0	V	-	-	-76.19	0.55	31.36	-63.90	-13.00	-50.90
4095.0	V	-	-	-76.76	2.27	32.51	-62.75	-13.00	-49.75

Table 7-8. Antenna BCM Radiated Spurious Data (LTE Band 26 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	821.5
RB Config (Size / Offset):	1 / 12

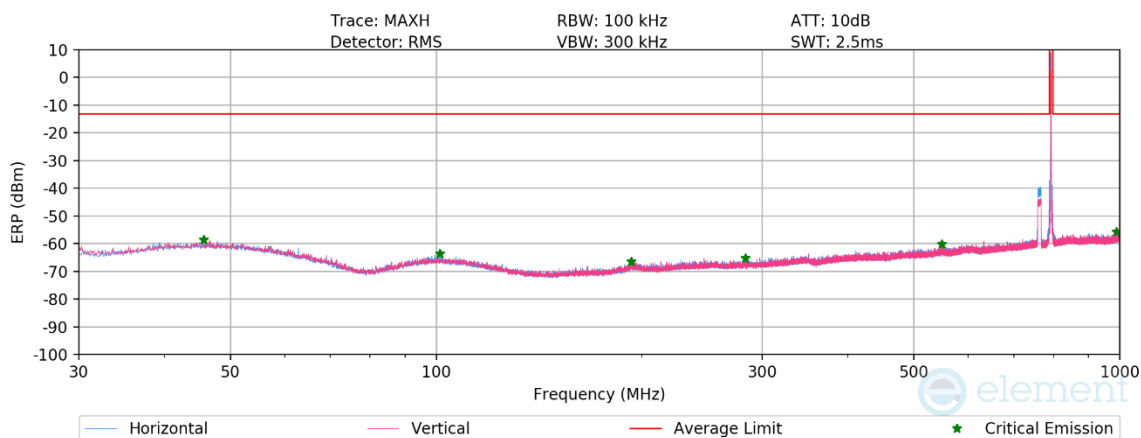
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1643.0	V	271	272	-73.71	-5.27	28.02	-67.24	-13.00	-54.24
2464.5	V	-	-	-76.22	-0.24	30.54	-64.72	-13.00	-51.72
3286.0	V	-	-	-76.50	0.79	31.29	-63.96	-13.00	-50.96
4107.5	V	-	-	-76.72	2.27	32.55	-62.71	-13.00	-49.71

Table 7-9. Antenna BCM Radiated Spurious Data (LTE Band 26 – High Channel)

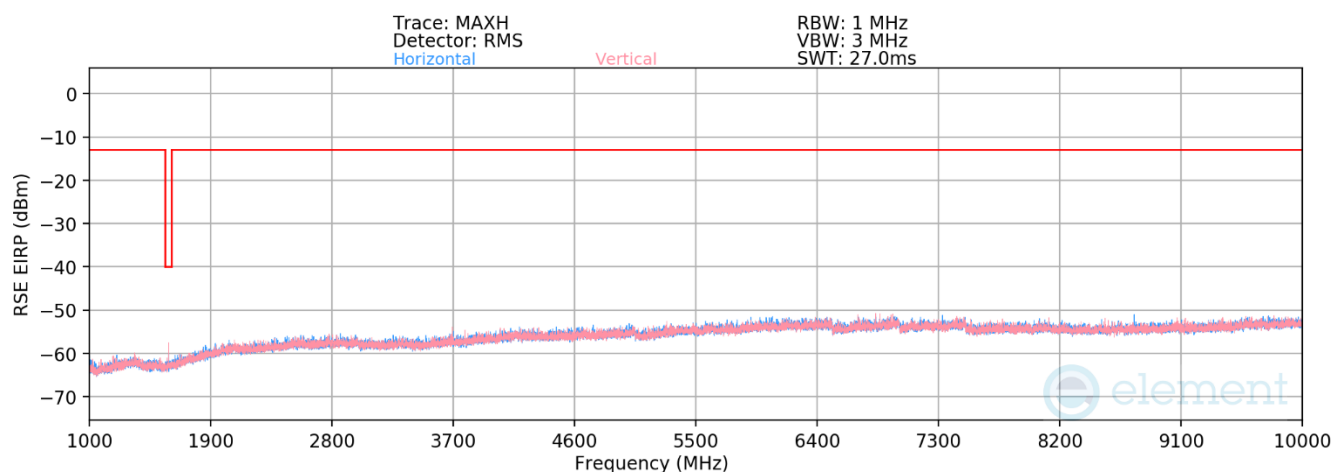
FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 91 of 104

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LTE Band 14



Plot 7-115. Antenna BCM Radiated Spurious Plot Below 1GHz (LTE Band 14)



Plot 7-116. Antenna BCM Radiated Spurious Plot Above 1GHz (LTE Band 14)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 92 of 104

Bandwidth (MHz):	5
Frequency (MHz):	790.5
RB Config (Size / Offset):	1 / 12

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]
1581.0	V	297	287	-74.09	-5.75	27.16	-68.09	-40.00	-28.09
2371.5	V	-	-	-76.05	-0.61	30.34	-64.92	-13.00	-51.92
3162.0	V	-	-	-76.60	0.48	30.88	-64.38	-13.00	-51.38
3952.5	V	-	-	-76.88	2.03	32.15	-63.11	-13.00	-50.11

Table 7-10. Antenna BCM Radiated Spurious Data (LTE Band 14 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	793.0
RB Config (Size / Offset):	1 / 25

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]
1586.0	V	185	260	-73.78	-5.75	27.47	-67.79	-40.00	-27.79
2379.0	V	-	-	-76.04	-0.61	30.35	-64.91	-13.00	-51.91
3172.0	V	-	-	-76.53	0.26	30.72	-64.53	-13.00	-51.53
3965.0	V	-	-	-76.79	2.07	32.28	-62.98	-13.00	-49.98

Table 7-11. Antenna BCM Radiated Spurious Data (LTE Band 14 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	795.5
RB Config (Size / Offset):	1 / 12

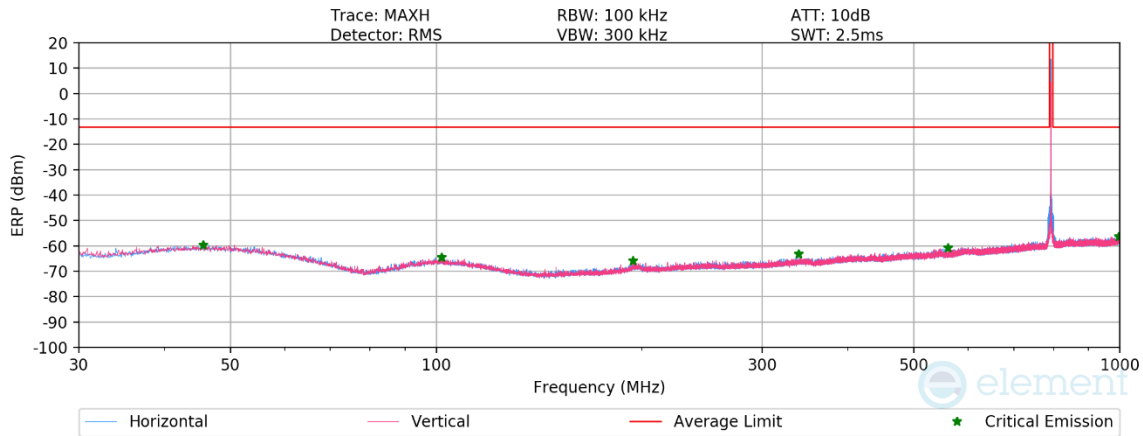
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1591.0	V	236	295	-74.53	-5.75	26.72	-68.53	-40.00	-28.53
2386.5	V	-	-	-76.31	-0.40	30.29	-64.97	-13.00	-51.97
3182.0	V	-	-	-76.76	0.48	30.72	-64.54	-13.00	-51.54
3977.5	V	-	-	-76.60	2.06	32.47	-62.79	-13.00	-49.79

Table 7-12. Antenna BCM Radiated Spurious Data (LTE Band 14 – High Channel)

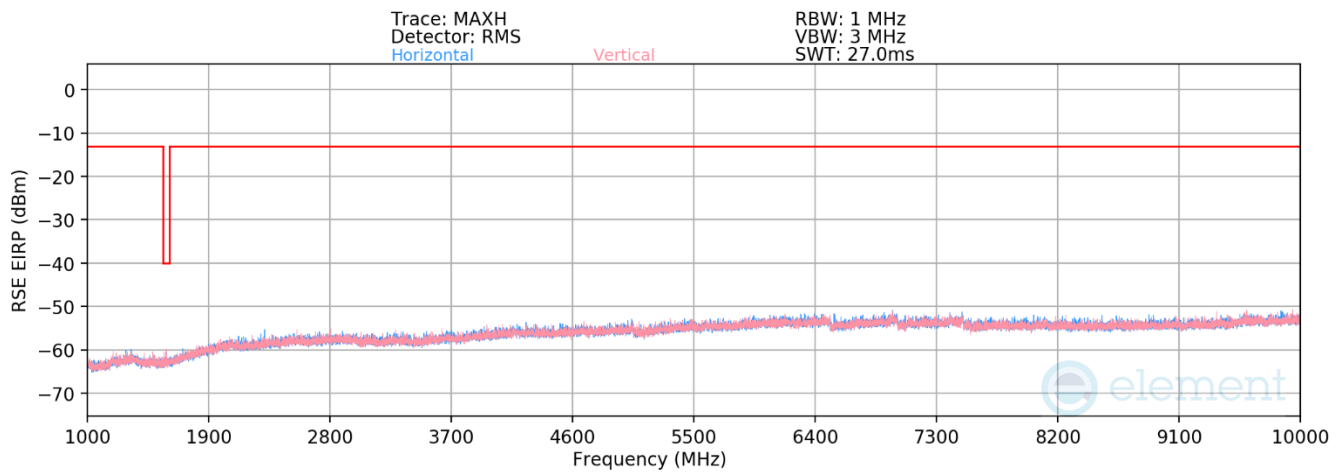
FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 93 of 104

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NR Band n14



Plot 7-117. Antenna BCM Radiated Spurious Plot Below 1GHz (NR Band n14)



Plot 7-118. Antenna BCM Radiated Spurious Plot Above 1GHz (NR Band n14)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 94 of 104

Bandwidth (MHz):	5
Frequency (MHz):	790.5
RB / Offset:	1 / 12

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]
1581.0	V	140	224	-73.55	-5.75	27.70	-67.56	-40.00	-27.56
2371.5	V	-	-	-76.37	-0.40	30.23	-65.03	-13.00	-52.03
3162.0	V	-	-	-76.69	0.48	30.79	-64.47	-13.00	-51.47
3952.5	V	-	-	-76.69	1.87	32.18	-63.07	-13.00	-50.07

Table 7-13. Antenna BCM Radiated Spurious Data (NR Band n14 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	793.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1586.0	V	129	217	-73.10	-5.75	28.15	-67.10	-40.00	-27.10
2379.0	V	-	-	-75.88	-0.84	30.28	-64.98	-13.00	-51.98
3172.0	V	-	-	-76.38	0.34	30.96	-64.30	-13.00	-51.30
3965.0	V	-	-	-76.47	2.06	32.60	-62.66	-13.00	-49.66

Table 7-14. Antenna BCM Radiated Spurious Data (NR Band n14 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	795.5
RB / Offset:	1 / 12

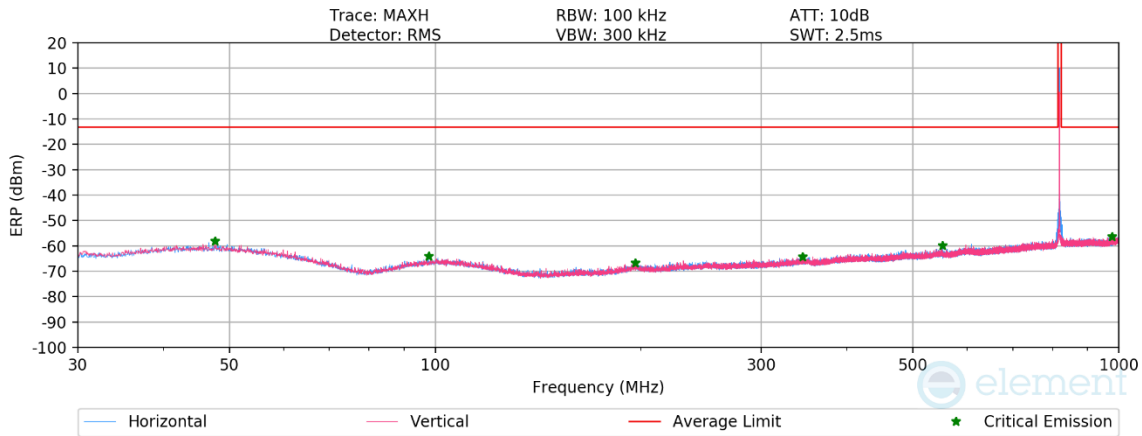
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1591.0	V	254	253	-73.53	-5.75	27.72	-67.54	-40.00	-27.54
2386.5	V	-	-	-76.12	-0.61	30.28	-64.98	-13.00	-51.98
3182.0	V	-	-	-76.71	0.48	30.77	-64.49	-13.00	-51.49
3977.5	V	-	-	-76.75	2.06	32.31	-62.95	-13.00	-49.95

Table 7-15. Antenna BCM Radiated Spurious Data (NR Band n14 – High Channel)

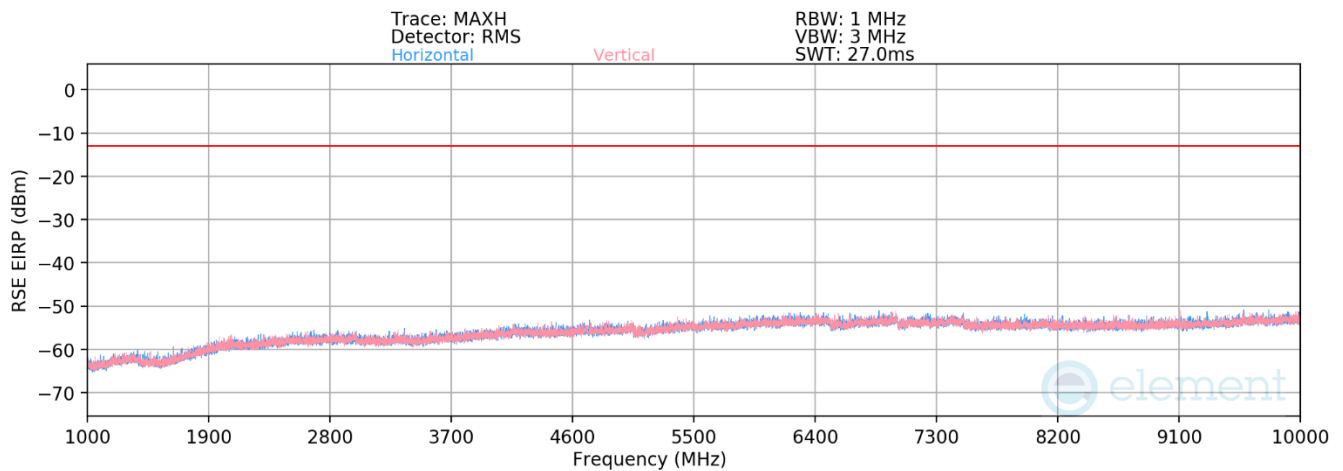
FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-R1.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 95 of 104

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NR Band n26



Plot 7-119. Antenna BCM Radiated Spurious Plot Below 1GHz (NR Band n26)



Plot 7-120. Antenna BCM Radiated Spurious Plot Above 1GHz (NR Band n26)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 104

Bandwidth (MHz):	5
Frequency (MHz):	816.5
RB / Offset:	1 / 12

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]
1633.0	V	101	56	-74.34	-5.27	27.39	-67.86	-13.00	-54.86
2449.5	V	-	-	-76.37	-0.24	30.39	-64.86	-13.00	-51.86
3266.0	V	-	-	-76.17	0.55	31.38	-63.87	-13.00	-50.87
4082.5	V	-	-	-76.73	2.27	32.54	-62.71	-13.00	-49.71

Table 7-16. Antenna BCM Radiated Spurious Data (NR Band n26 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	819.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1638.0	V	282	275	-73.03	-5.27	28.70	-66.56	-13.00	-53.56
2457.0	V	-	-	-76.30	-0.24	30.46	-64.80	-13.00	-51.80
3276.0	V	-	-	-76.34	0.61	31.26	-64.00	-13.00	-51.00
4095.0	V	-	-	-76.37	2.27	32.91	-62.35	-13.00	-49.35

Table 7-17. Antenna BCM Radiated Spurious Data (NR Band n26 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	821.5
RB / Offset:	1 / 12

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]
1643.0	V	112	313	-73.16	-5.27	28.57	-66.68	-13.00	-53.68
2464.5	V	-	-	-76.15	-0.24	30.61	-64.64	-13.00	-51.64
3286.0	V	-	-	-76.21	0.79	31.58	-63.68	-13.00	-50.68
4107.5	V	-	-	-76.74	2.27	32.53	-62.72	-13.00	-49.72

Table 7-18. Antenna BCM Radiated Spurious Data (NR Band n26 – High Channel)

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 104

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7.9 Frequency Stability / Temperature Variation

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26-2015. 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 90, LTE Band 26 and NR Band n26, the frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency. For LTE Band 14 and NR Band n14 the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

For RSS-140, The frequency stability shall be sufficient to ensure that the occupied bandwidth stays within the operating frequency block when tested at the temperature and supply voltage variations specified in RSS-Gen.

Test Procedure Used

ANSI C63.26-2015

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.

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 98 of 104

Test Setup

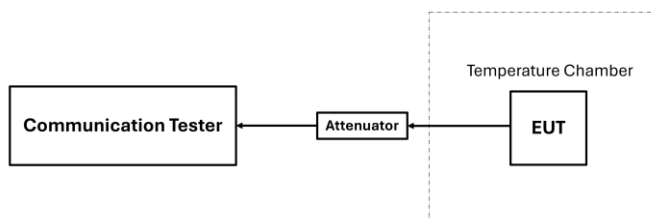


Figure 7-15. LTE Test Instrument & Measurement Setup

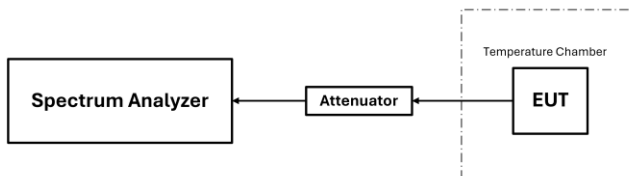


Figure 7-16. FR1 Test Instrument & Measurement Setup

Test Notes

None.

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 104

Frequency Stability / Temperature Variation

LTE Band 26					
		Operating Frequency (GHz):		0.819	
		Ref. Voltage (VDC):		3.80	
		Deviation Limit:		± 0.00025% or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (GHz)	Freq. Dev. (GHz)	Deviation (%)
100 %	3.80	- 30	0.818999890	0.000000020	0.000002482
		- 20	0.818999895	0.000000025	0.000003000
		- 10	0.819000059	0.000000189	0.000023090
		0	0.818999769	-0.000000101	-0.000012308
		+ 10	0.818999882	0.000000012	0.000001471
		+ 20 (Ref)	0.818999870	0.000000000	0.000000000
		+ 30	0.819000038	0.000000168	0.000020472
		+ 40	0.818999866	-0.000000004	-0.000000480
		+ 50	0.818999922	0.000000052	0.000006311
Battery Endpoint	3.40	+ 20	0.819000037	0.000000166	0.000020318

Table 7-19. LTE Band 26 Frequency Stability Data

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 104

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Frequency Stability / Temperature Variation

LTE Band 14				
Operating Band Lower Boundary (GHz)			0.788	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.788357353	-0.000357353
		- 20	0.788714931	-0.000714931
		- 10	0.788790117	-0.000790117
		0	0.788649270	-0.000649270
		+ 10	0.788758047	-0.000758047
		+ 20 (Ref)	0.788735013	-0.000735013
		+ 30	0.788786470	-0.000786470
		+ 40	0.788550853	-0.000550853
		+ 50	0.788799548	-0.000799548
Battery Endpoint	3.40	+ 20	0.788735029	-0.000735029

Table 7-20. LTE Band 14 Lower Boundary Frequency Stability Data

LTE Band 14				
Operating Band Upper Boundary (GHz)			0.798	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.797351519	-0.000648481
		- 20	0.797422092	-0.000577908
		- 10	0.797343361	-0.000656639
		0	0.797542158	-0.000457842
		+ 10	0.797672011	-0.000327989
		+ 20 (Ref)	0.797338116	-0.000661884
		+ 30	0.797340388	-0.000659612
		+ 40	0.797409221	-0.000590779
		+ 50	0.797222226	-0.000777774
Battery Endpoint	3.40	+ 20	0.797621578	-0.000378422

Table 7-21. LTE Band 14 Upper Boundary Frequency Stability Data

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 101 of 104

Frequency Stability / Temperature Variation

NR Band n26					
		Operating Frequency (GHz):		0.819	
		Ref. Voltage (VDC):		3.80	
		Deviation Limit:		± 0.00025% or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (GHz)	Freq. Dev. (GHz)	Deviation (%)
100 %	3.80	- 30	0.819000181	0.000000034	0.000004132
		- 20	0.819000072	-0.000000076	-0.000009229
		- 10	0.819000202	0.000000055	0.000006734
		0	0.818999973	-0.000000174	-0.000021200
		+ 10	0.819000228	0.000000081	0.000009875
		+ 20 (Ref)	0.819000147	0.000000000	0.000000000
		+ 30	0.819000191	0.000000044	0.000005358
		+ 40	0.819000300	0.000000153	0.000018727
		+ 50	0.819000061	-0.000000086	-0.000010535
Battery Endpoint	3.40	+ 20	0.819000091	-0.000000056	-0.000006841

Table 7-22. NR Band n26 Frequency Stability Data

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 104

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Frequency Stability / Temperature Variation

NR Band n14				
Operating Band Lower Boundary (GHz)			0.788	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.788651638	-0.000651638
		- 20	0.788333266	-0.000333266
		- 10	0.788746011	-0.000746011
		0	0.788466401	-0.000466401
		+ 10	0.788625004	-0.000625004
		+ 20 (Ref)	0.788636055	-0.000636055
		+ 30	0.788649357	-0.000649357
		+ 40	0.788680917	-0.000680917
		+ 50	0.788394385	-0.000394385
Battery Endpoint	3.40	+ 20	0.788322690	-0.000322690

Table 7-23. NR Band n14 Lower Boundary Frequency Stability Data

NR Band n14				
Operating Band Upper Boundary (GHz)			0.798	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.797538246	-0.000461754
		- 20	0.797619556	-0.000380444
		- 10	0.797451039	-0.000548961
		0	0.797619533	-0.000380467
		+ 10	0.797383369	-0.000616631
		+ 20 (Ref)	0.797476421	-0.000523579
		+ 30	0.797536243	-0.000463757
		+ 40	0.797282480	-0.000717520
		+ 50	0.797510401	-0.000489599
Battery Endpoint	3.40	+ 20	0.797421614	-0.000578386

Table 7-24. NR Band n14 Upper Boundary Frequency Stability Data

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 104

8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Apple Watch FCC ID: BCG-A3587, IC: 579C-A3587** complies with all the requirements of Part 90 of the FCC rules and RSS-140 of the Innovation, Science and Economic Development Canada Rules.

FCC ID: BCG-A3587 IC: 579C-A3587		Test Dates: 12/2/2025 - 08/04/2026	EUT Type: Watch	Approved by: Technical Manager
Test Report S/N: 1C2604100032-05-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 104