

7.4 Band Edge Emissions at Antenna Terminal

Test Overview and Limit

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. All ports were tested and only the worst case data were reported.

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 $43 + 10\log_{10}(P_{[Watts]})$, 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 $50 + 10\log_{10}(P_{[Watts]})$, where P is the transmitter power in Watts.

Per RSS-140, The power of any unwanted emission outside the bands 758-768 MHz and 788-798 MHz shall be attenuated below the transmitter output power P in dBW as follows, where p is the transmitter output power in watts:

For any frequency between 769-775 MHz and 799-806 MHz:

76 + 10 log (p), dB in a 6.25 kHz band for fixed and base station equipment

65 + 10 log (p), dB in a 6.25 kHz band for mobile and portable/hand-held equipment.

For any frequency between 775-788 MHz, above 806 MHz, and below 758 MHz: 43 + 10 log (p), dB in a bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency bands 758-768 MHz and 788-798 MHz, a resolution bandwidth of 30 kHz may be employed.

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

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.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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Test Setup

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

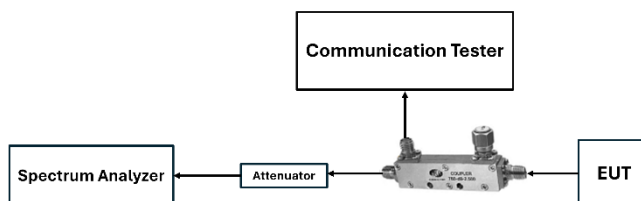


Figure 7-5. LTE Instrument & Measurement Setup

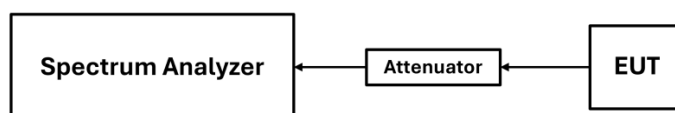


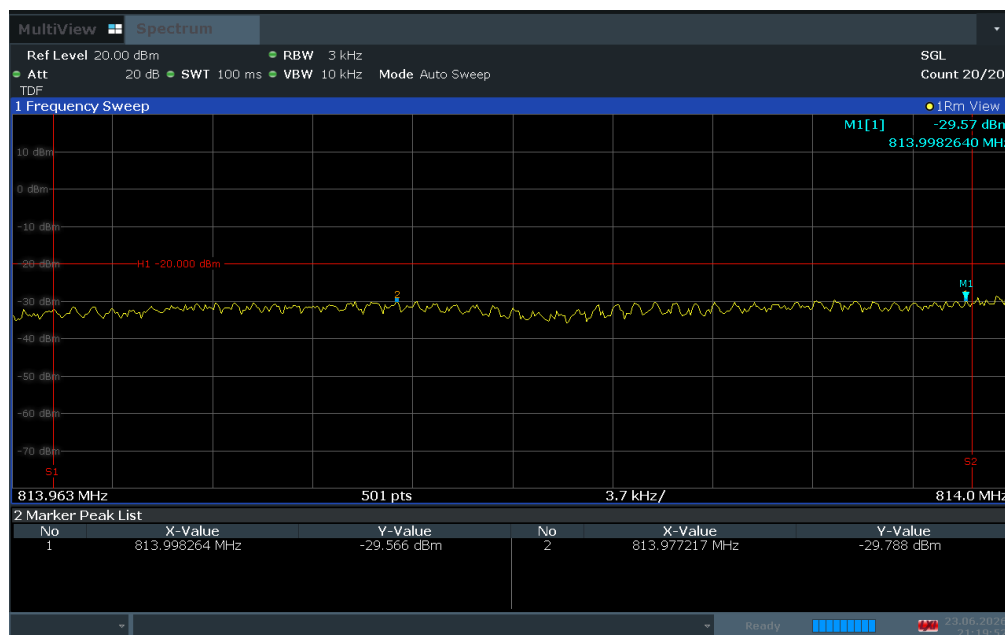
Figure 7-6. FR1 Instrument & Measurement Setup

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.

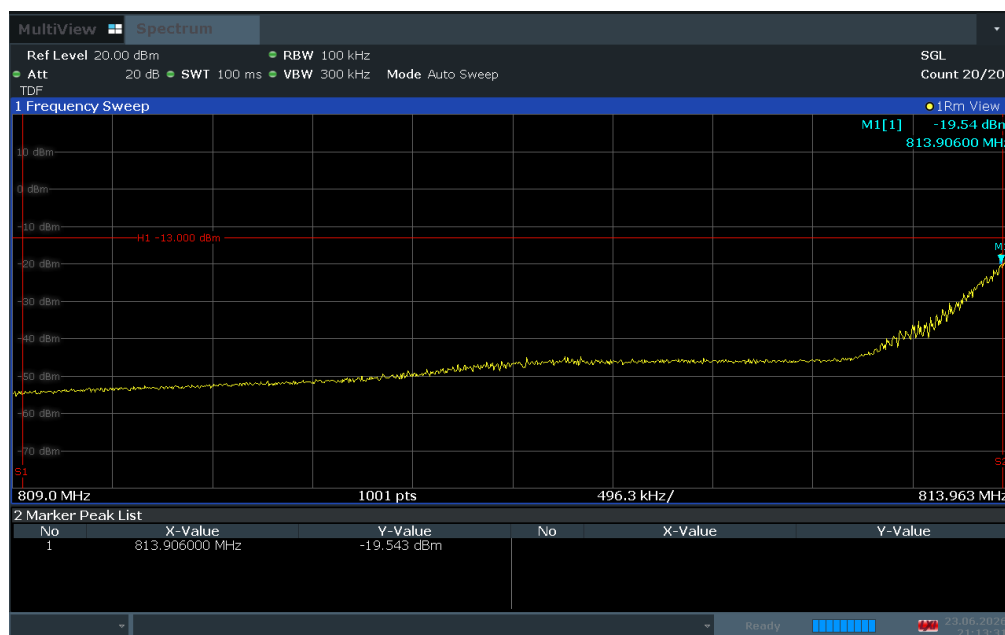
FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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LTE Band 26



21:19:53 23.06.2026

Plot 7-81. Lower Band Edge Plot (LTE Band 26 – 1.4 MHz QPSK – RB Size 1, RB Offset 0 Configuration)



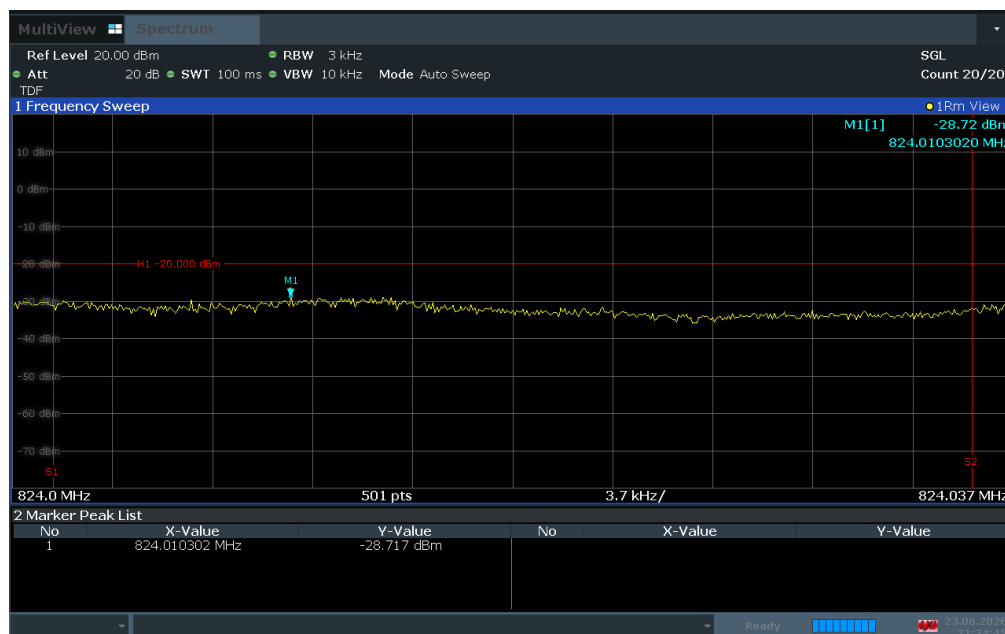
21:13:31 23.06.2026

Plot 7-82. Extended Lower Band Edge Plot (LTE Band 26 – 1.4 MHz QPSK – RB Size 1, RB Offset 0 Configuration)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.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 62 of 113

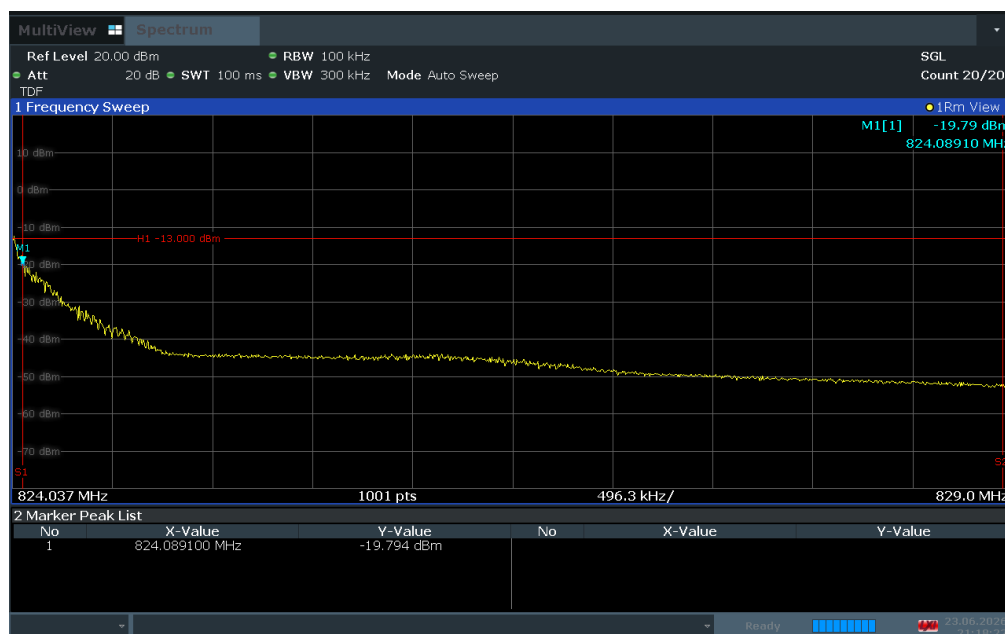
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21:24:45 23.06.2026

Plot 7-83. Upper Band Edge Plot (LTE Band 26 – 1.4 MHz QPSK – RB Size 1, RB Offset 5 Configuration)



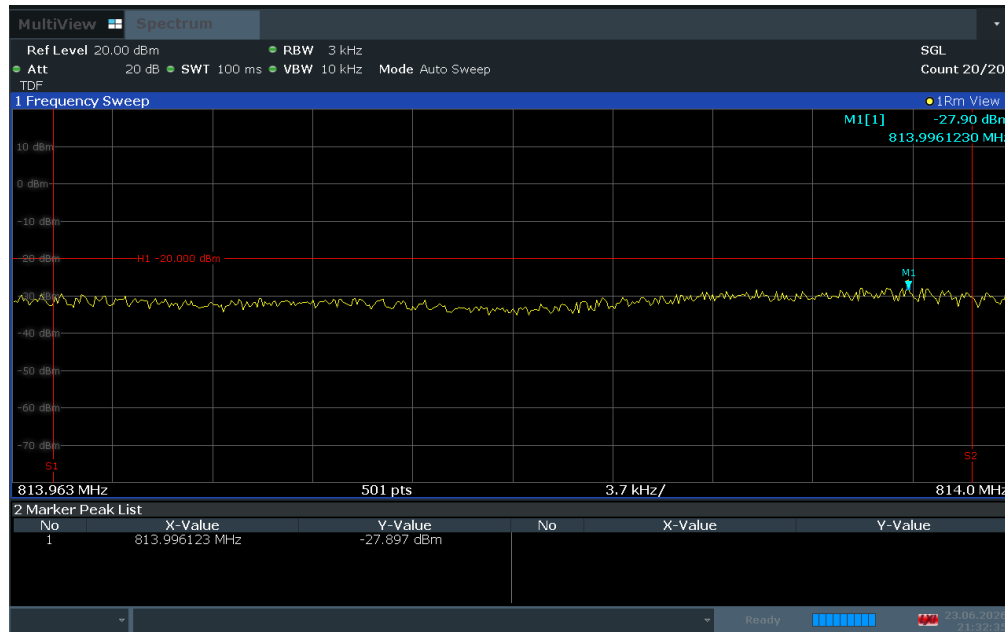
21:18:23 23.06.2026

Plot 7-84. Extended Upper Band Edge Plot (LTE Band 26 – 1.4 MHz QPSK – RB Size 1, RB Offset 5 Configuration)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.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 113

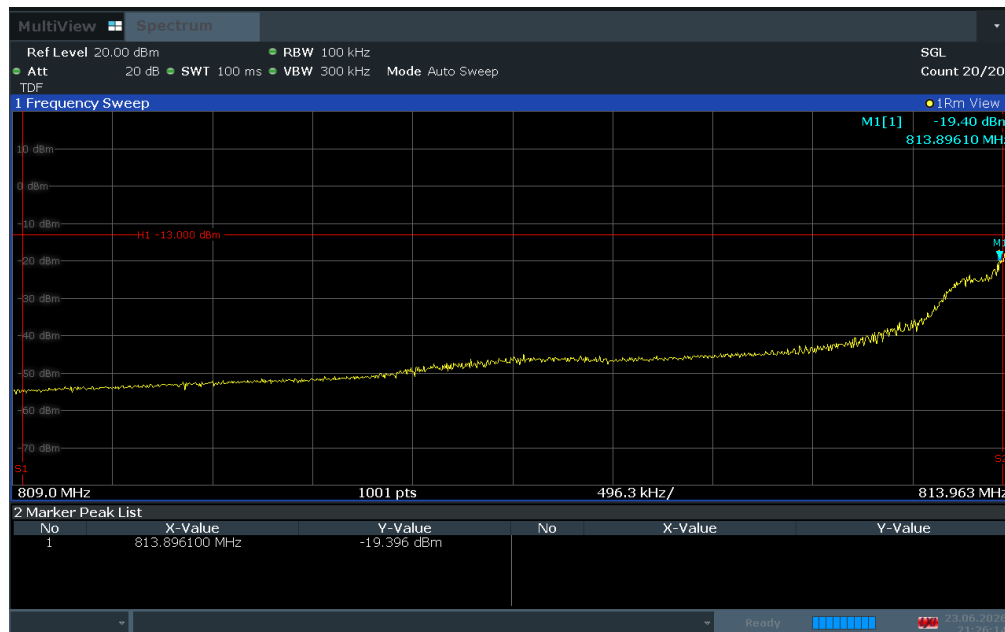
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21:32:36 23.06.2026

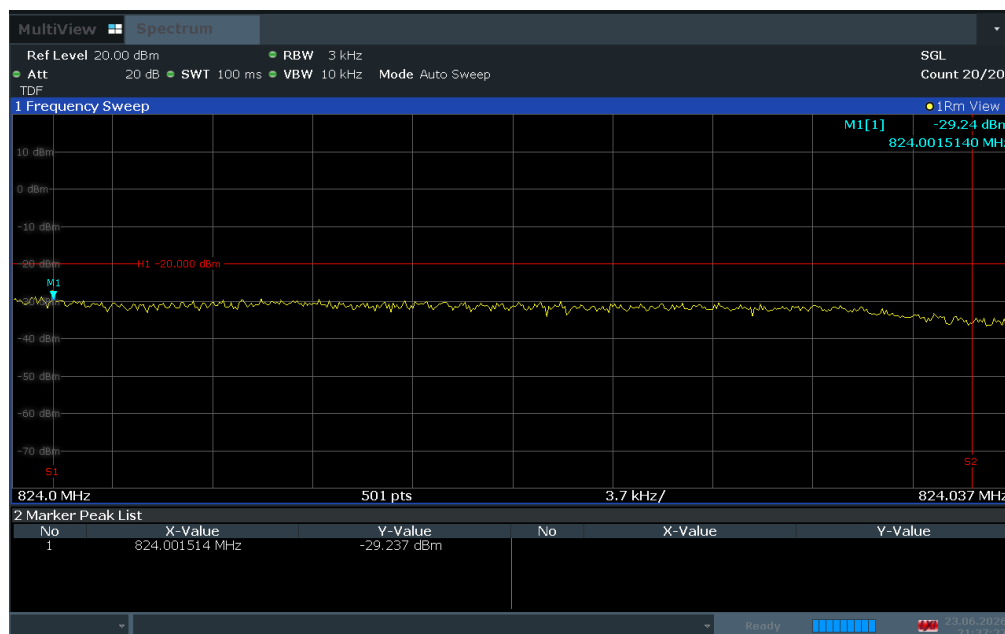
Plot 7-85. Lower Band Edge Plot (LTE Band 26 – 3 MHz QPSK – RB Size 1, RB Offset 0 Configuration)



21:26:15 23.06.2026

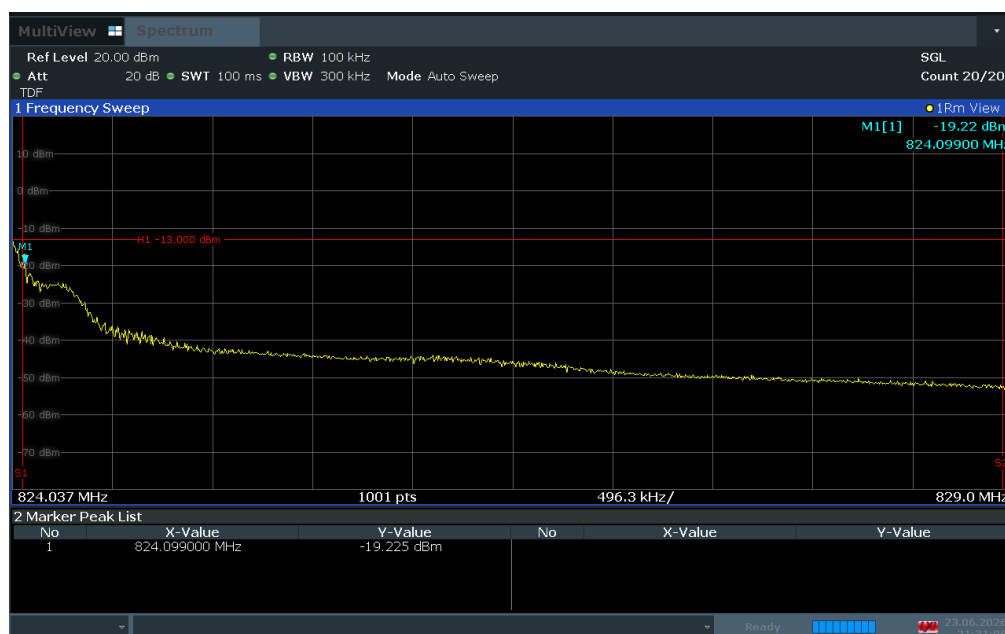
Plot 7-86. Extended Lower Band Edge Plot (LTE Band 26 – 3 MHz QPSK – RB Size 1, RB Offset 0 Configuration)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.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 113



21:37:28 23.06.2026

Plot 7-87. Upper Band Edge Plot (LTE Band 26 – 3 MHz QPSK – RB Size 1, RB Offset 14 Configuration)



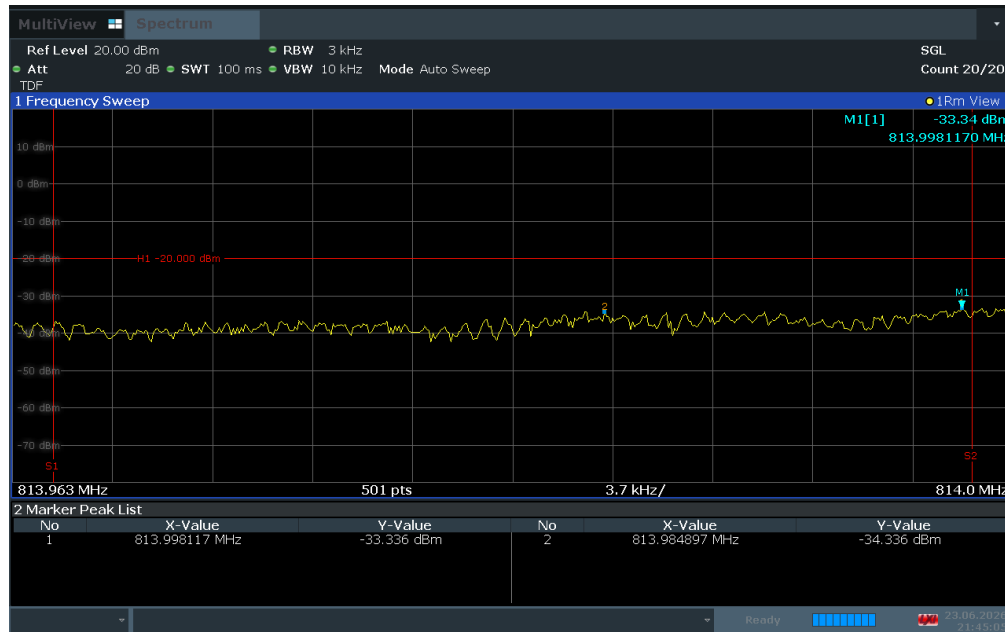
21:31:06 23.06.2026

Plot 7-88. Extended Upper Band Edge Plot (LTE Band 26 – 3 MHz QPSK – RB Size 1, RB Offset 14 Configuration)

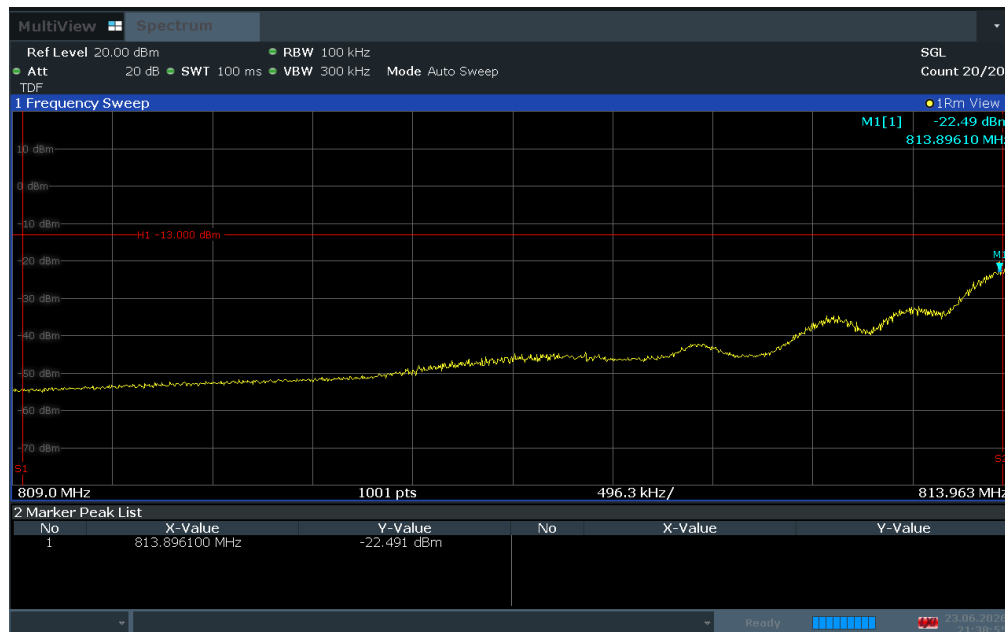
FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 65 of 113

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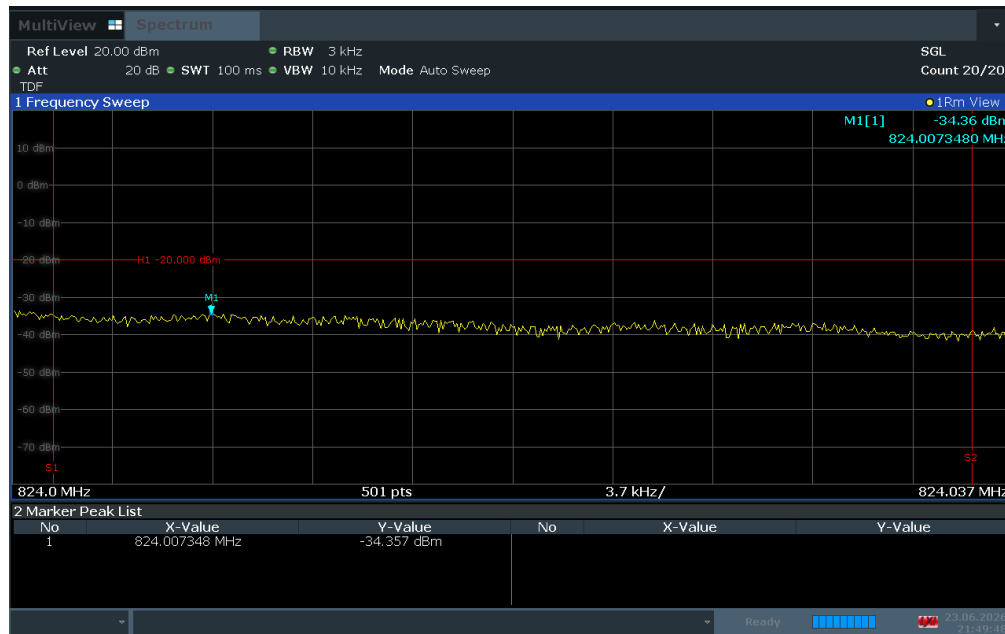


Plot 7-89. Lower Band Edge Plot (LTE Band 26 – 5 MHz QPSK – RB Size 1, RB Offset 0 Configuration)



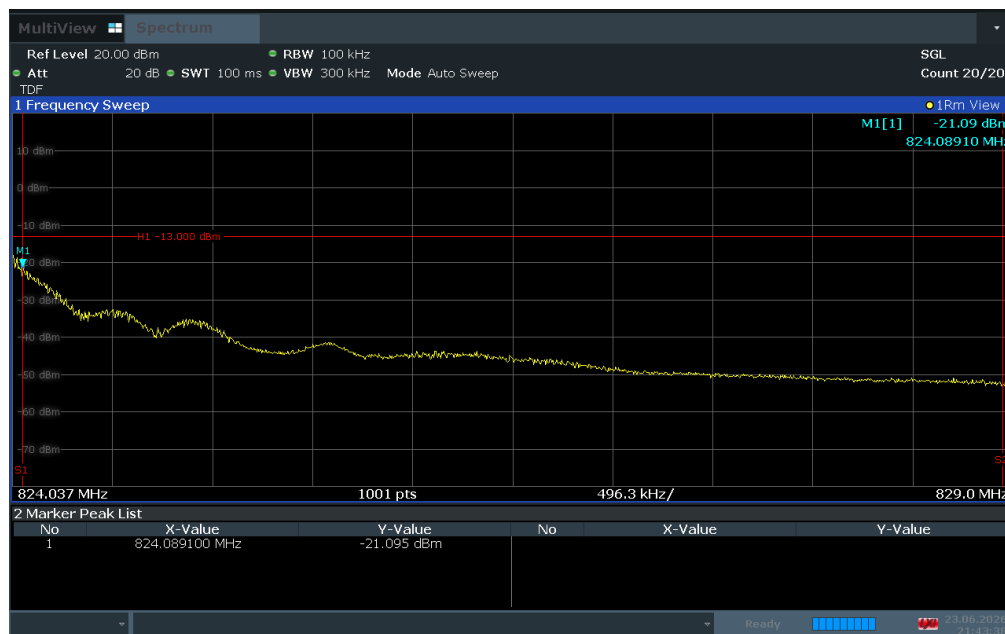
Plot 7-90. Extended Lower Band Edge Plot (LTE Band 26 – 5 MHz QPSK – RB Size 1, RB Offset 0 Configuration)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.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 113



21:49:49 23.06.2026

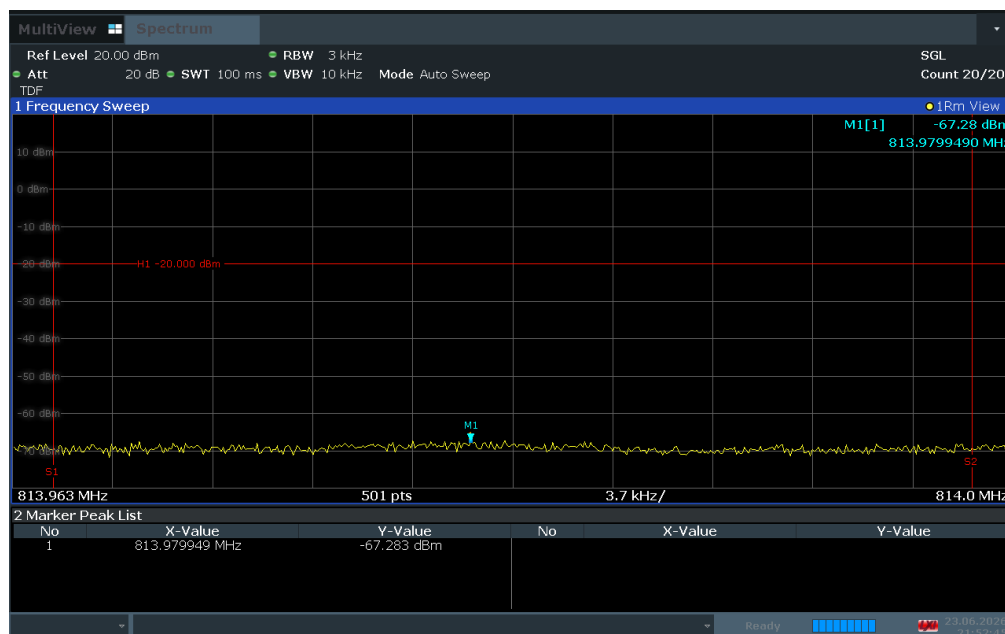
Plot 7-91. Upper Band Edge Plot (LTE Band 26 – 5 MHz QPSK – RB Size 1, RB Offset 24 Configuration)



21:43:39 23.06.2026

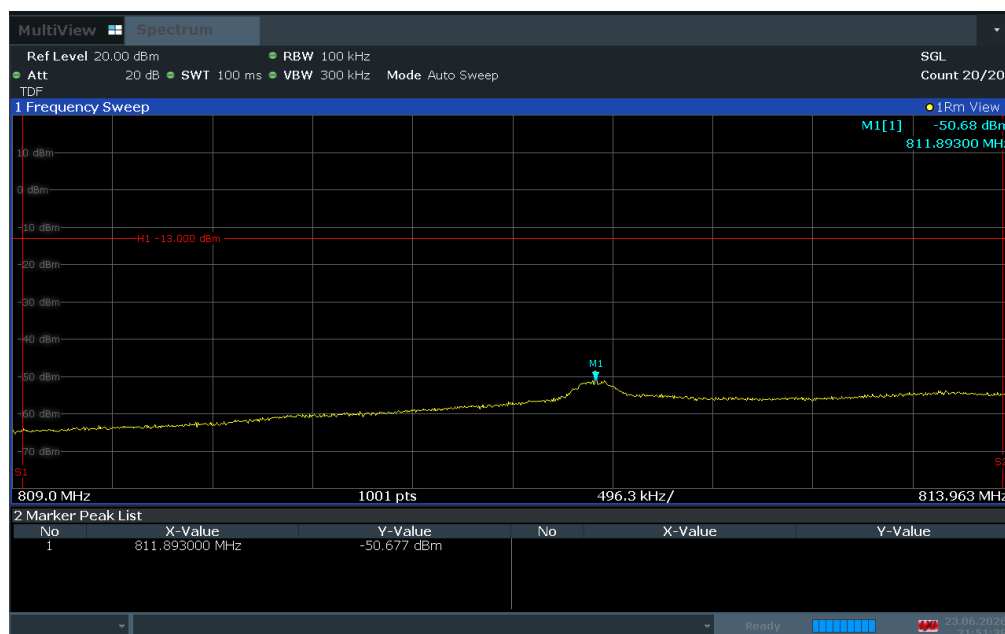
Plot 7-92. Extended Upper Band Edge Plot (LTE Band 26 – 5 MHz QPSK – RB Size 1, RB Offset 24 Configuration)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.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 113



21:52:46 23.06.2026

Plot 7-93. Lower Band Edge Plot (LTE Band 26 – 10 MHz QPSK – RB Size 1, RB Offset 49 Configuration)



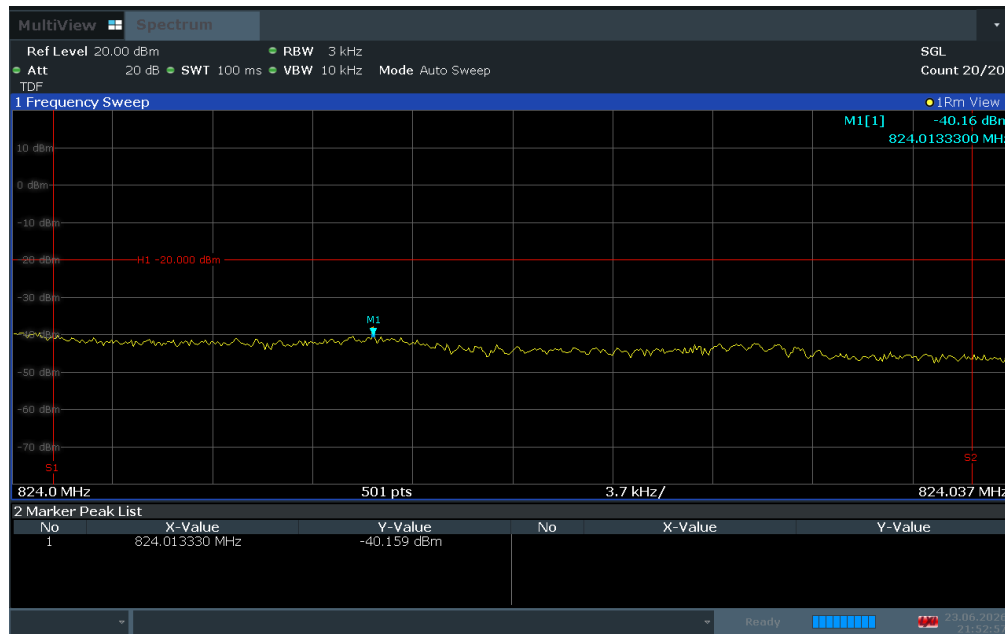
21:51:38 23.06.2026

Plot 7-94. Extended Lower Band Edge Plot (LTE Band 26 – 10 MHz QPSK – RB Size 1, RB Offset 49 Configuration)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.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 113

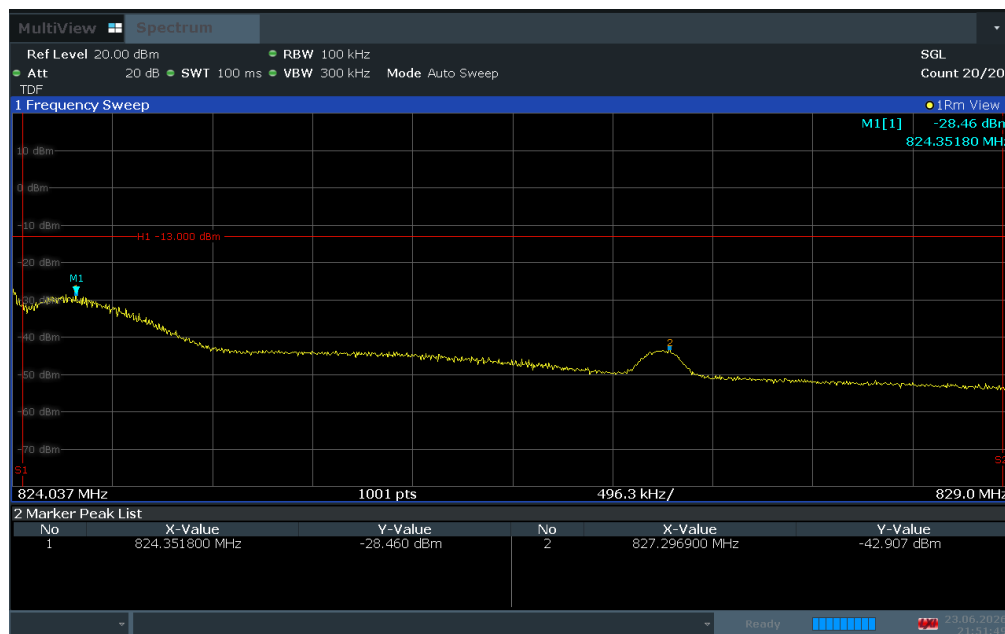
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21:52:57 23.06.2026

Plot 7-95. Upper Band Edge Plot (LTE Band 26 – 10 MHz QPSK – RB Size 1, RB Offset 49 Configuration)



21:51:49 23.06.2026

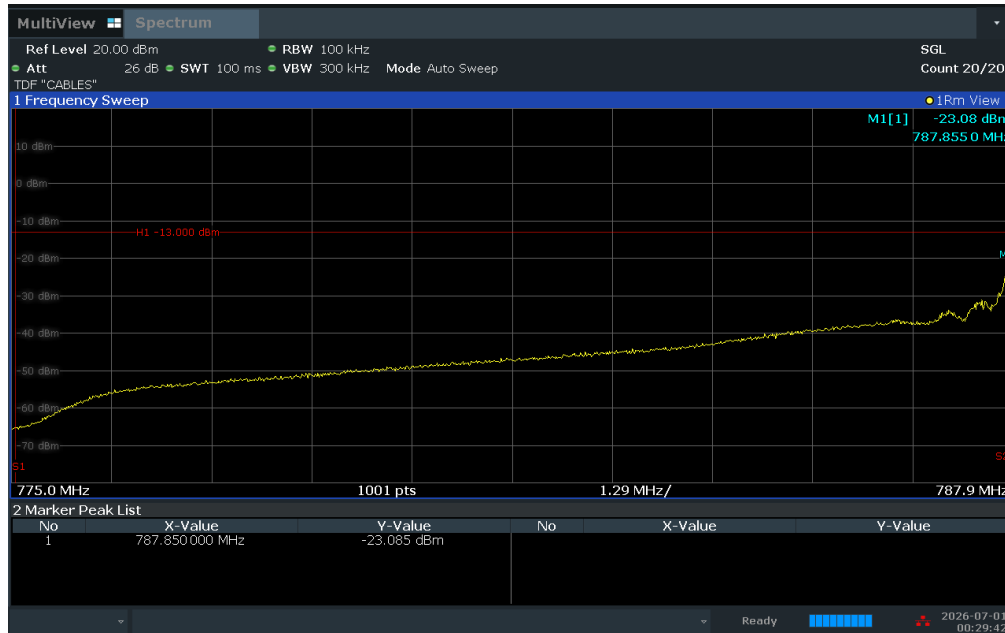
Plot 7-96. Extended Upper Band Edge Plot (LTE Band 26 – 10 MHz QPSK – RB Size 1, RB Offset 49 Configuration)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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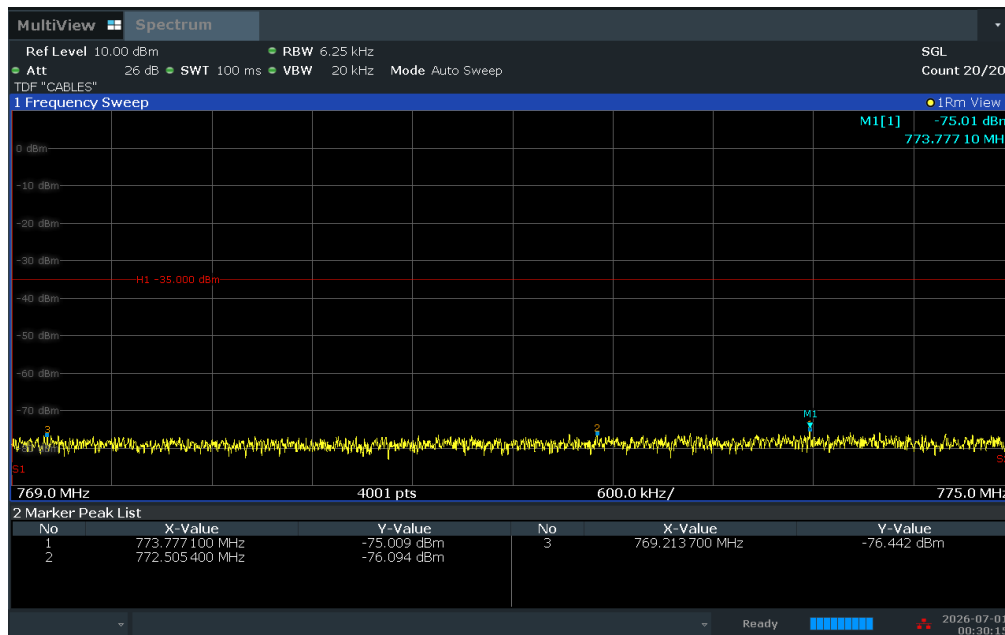
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LTE Band 14



12:29:43 AM 07/01/2026

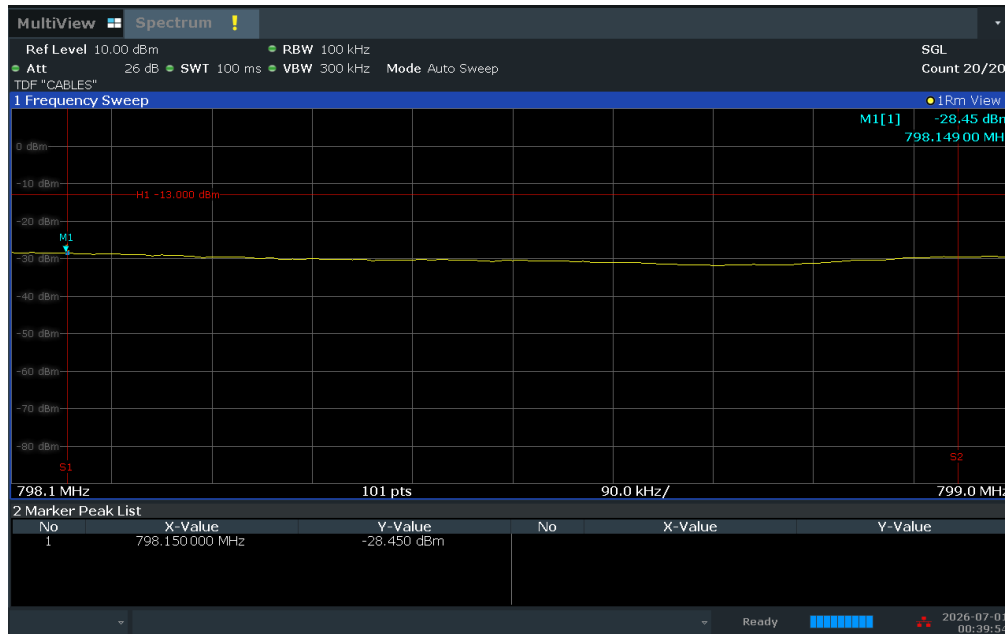
Plot 7-97. Lower Band Edge Plot (LTE Band 14 - 5 MHz QPSK – RB Size 1, RB Offset 0 Configuration)



12:30:15 AM 07/01/2026

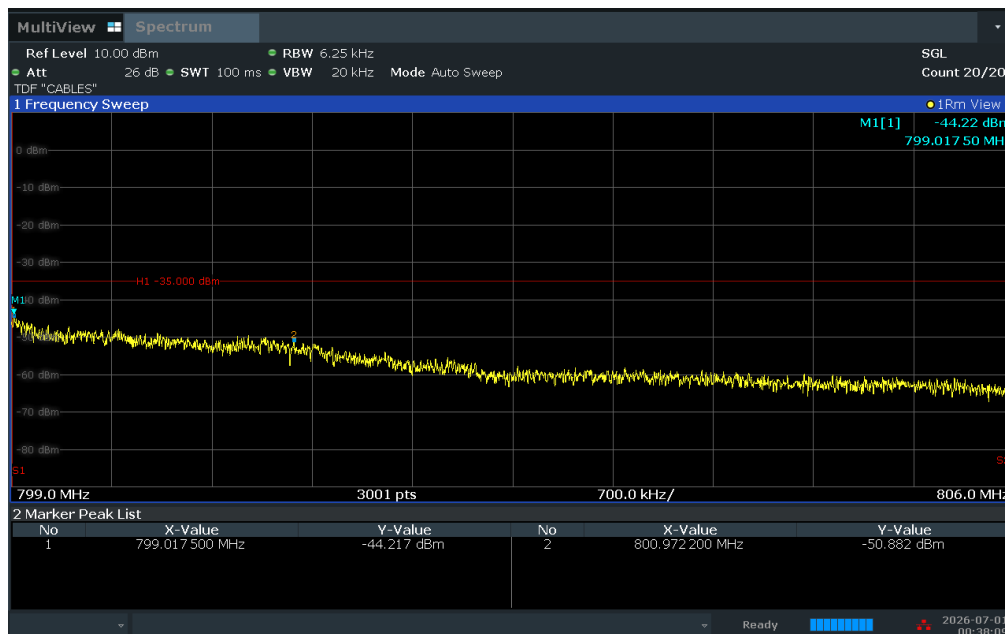
Plot 7-98. Extended Lower Band Edge Plot (LTE Band 14 - 5 MHz QPSK – RB Size 1, RB Offset 0 Configuration)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.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 113



12:39:54 AM 07/01/2026

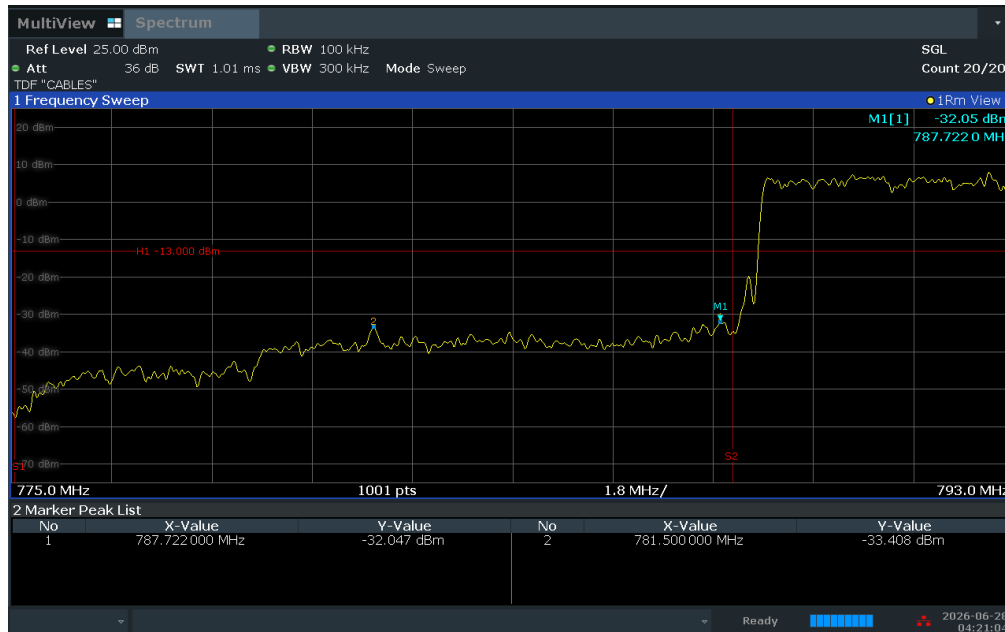
Plot 7-99. Upper Band Edge Plot (LTE Band 14 - 5 MHz QPSK – Full RB Configuration)



12:38:10 AM 07/01/2026

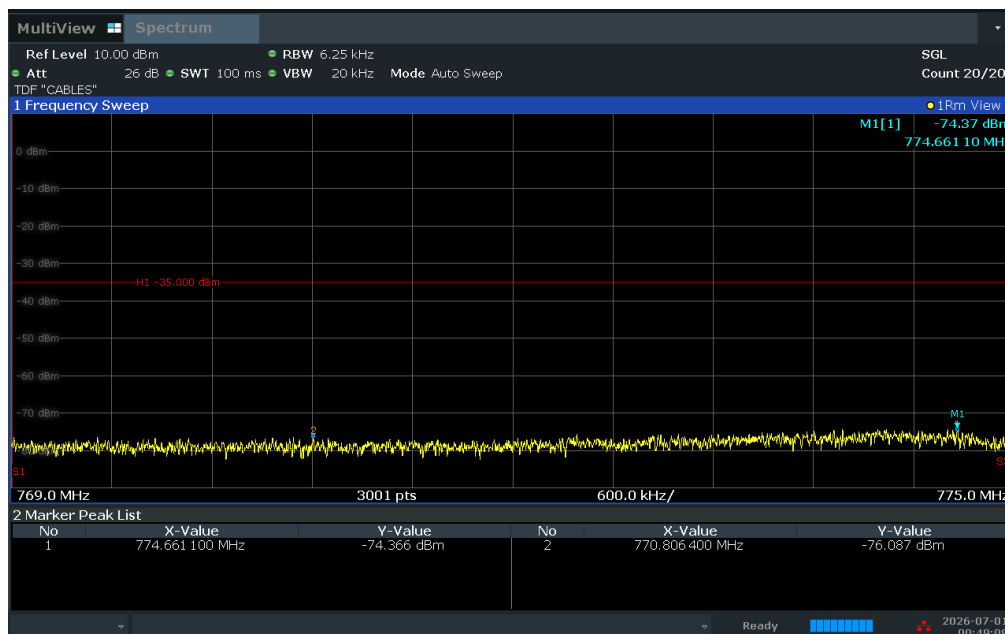
Plot 7-100. Extended Upper Band Edge Plot (LTE Band 14 - 5 MHz QPSK – Full RB Configuration)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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04:21:05 AM 06/28/2026

Plot 7-101. Lower Band Edge Plot (LTE Band 14 - 10 MHz QPSK – Full RB Configuration)



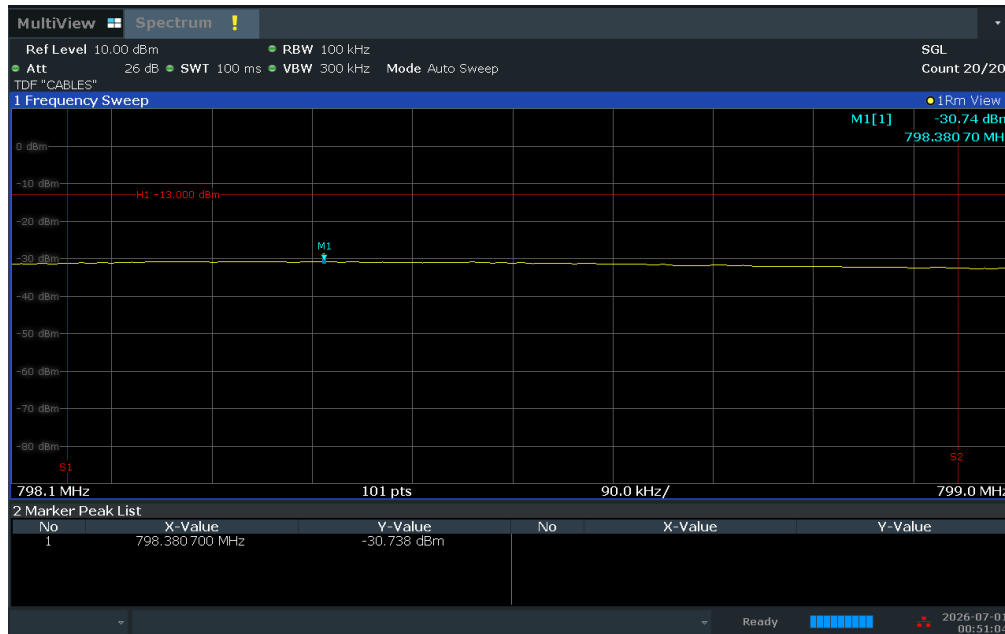
12:49:10 AM 07/01/2026

Plot 7-102. Extended Lower Band Edge Plot (LTE Band 14 - 10 MHz QPSK – Full RB Configuration)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.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 113

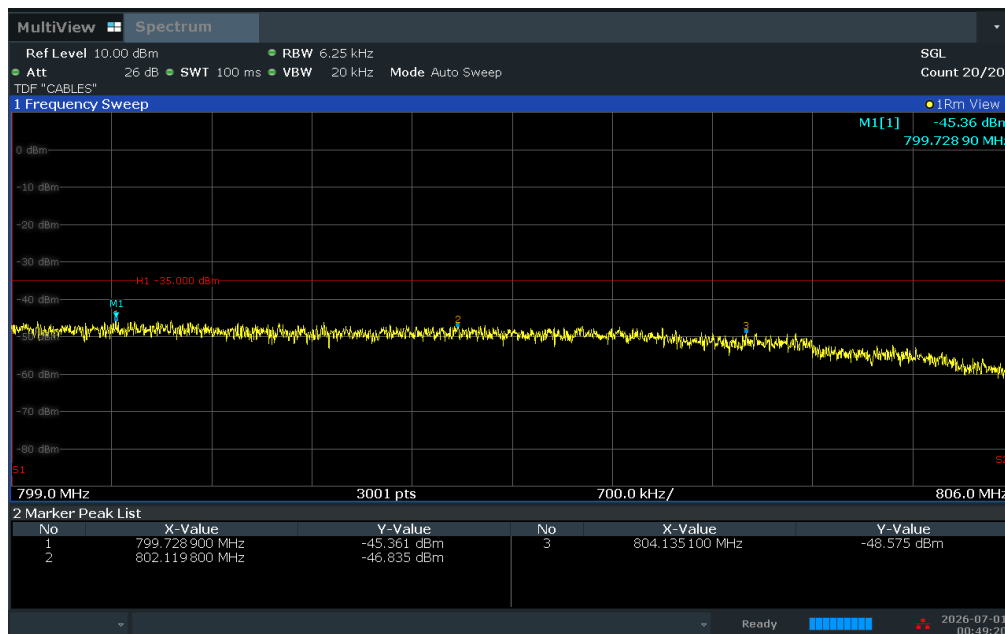
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12:51:04 AM 07/01/2026

Plot 7-103. Upper Band Edge Plot (LTE Band 14 - 10 MHz QPSK – Full RB Configuration)



12:49:20 AM 07/01/2026

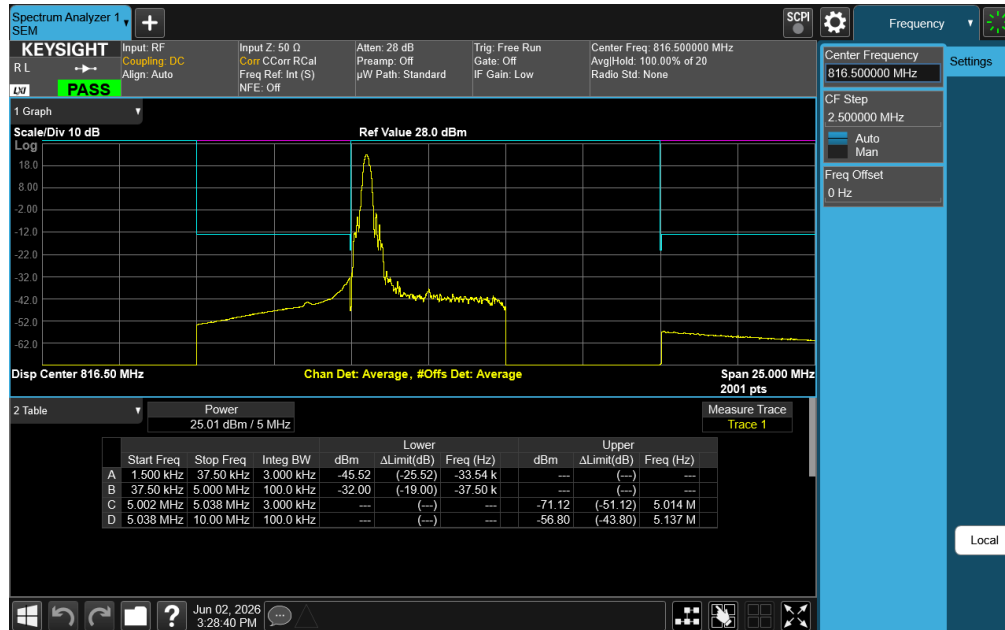
Plot 7-104. Upper Emission Mask Plot (LTE Band 14 - 10 MHz QPSK – Full RB Configuration)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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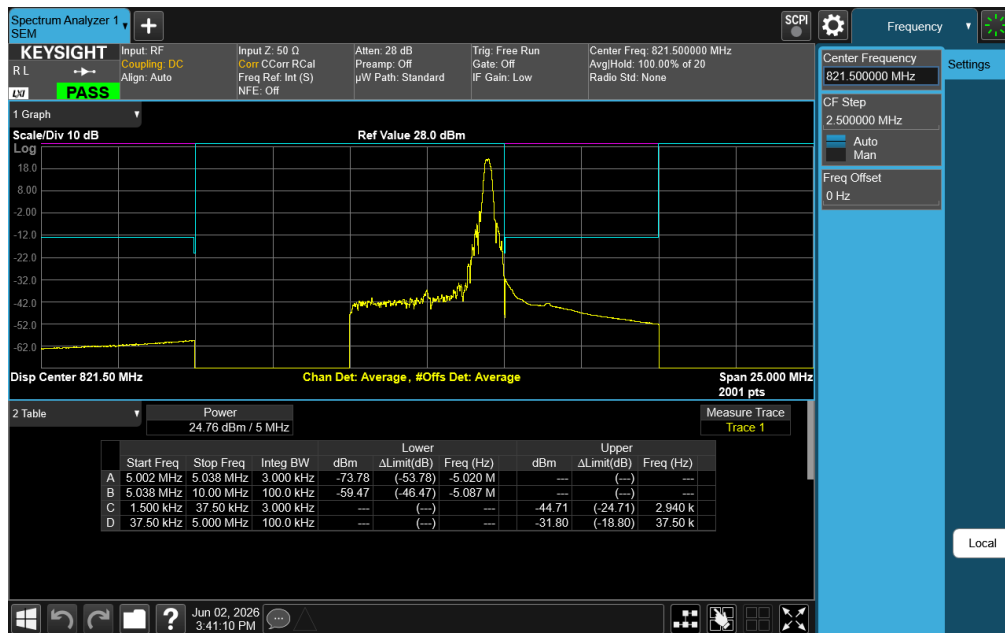
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NR Band n26

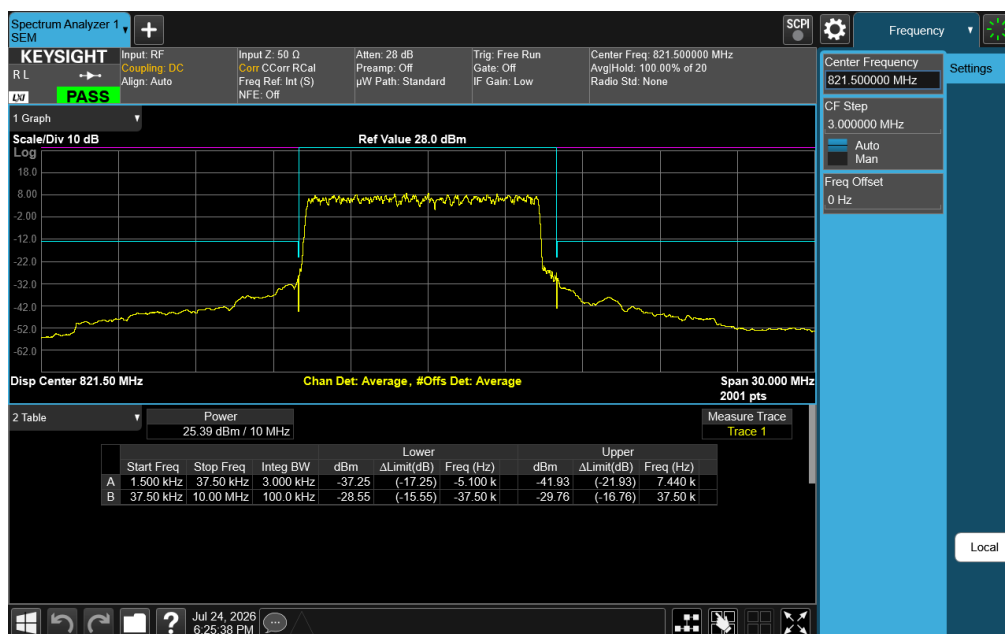


Plot 7-105. Lower Band Edge Plot (NR Band n26 – 5 MHz DFT-s-OFDM $\pi/2$ BPSK – RB Size 1, RB Offset 1 Configuration)



Plot 7-106. Upper Band Edge Plot (NR Band n26 – 5 MHz DFT-s-OFDM QPSK – RB Size 1, RB Offset 23 Configuration)

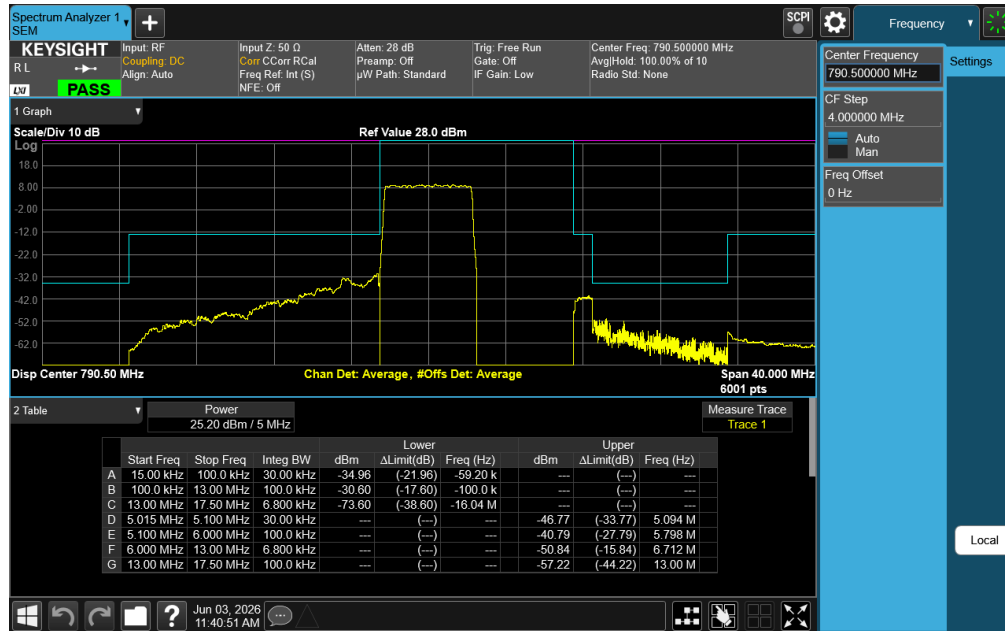
FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 74 of 113



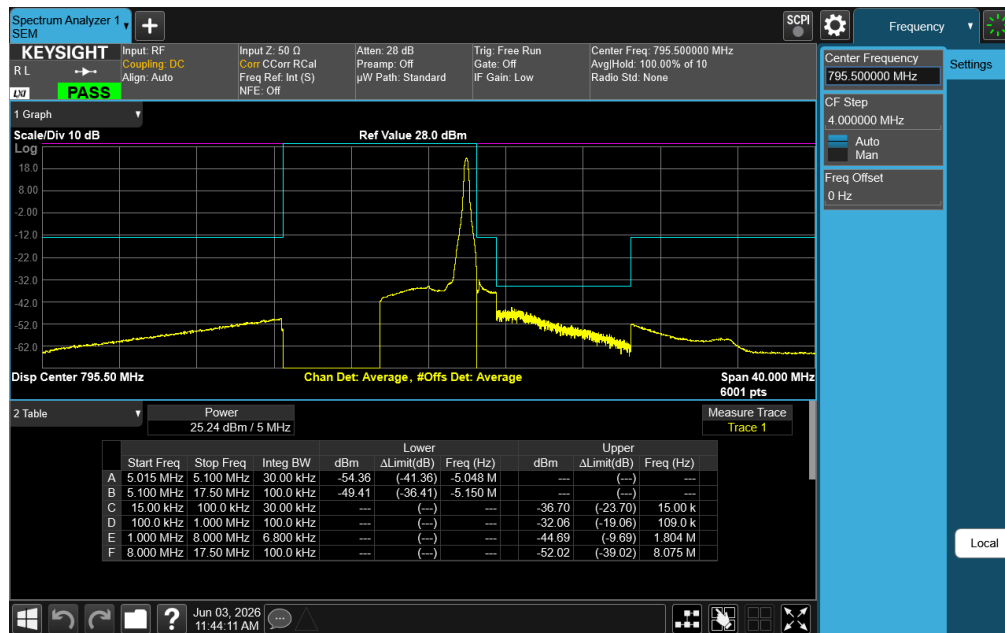
Plot 7-107. Middle Band Edge Plot (NR Band n26 – 10 MHz DFT-s-OFDM QPSK – Full RB Configuration)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.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 113

NR Band n14



Plot 7-108. Lower Band Edge Plot (NR Band n14 – 5 MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

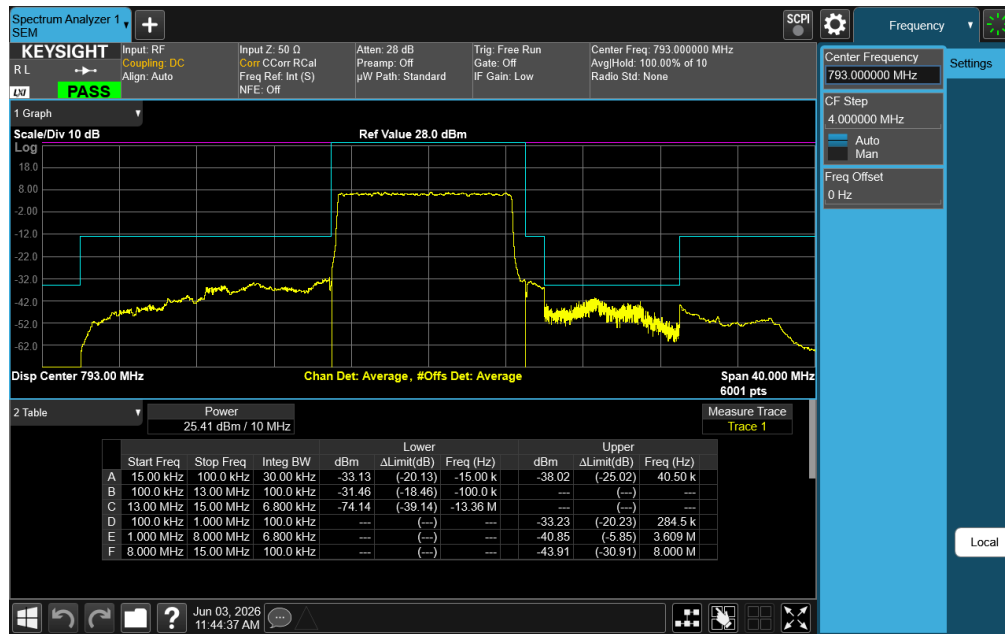


Plot 7-109. Upper Band Edge Plot (NR Band n14 – 5 MHz DFT-s-OFDM $\pi/2$ BPSK – RB Size 1, RB Offset 23 Configuration)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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Plot 7-110. Middle Band Edge Plot (NR Band n14 – 10 MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB Configuration)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	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. All ports were tested and only the worst case data were reported.

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 $\geq$ 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

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Test Setup

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

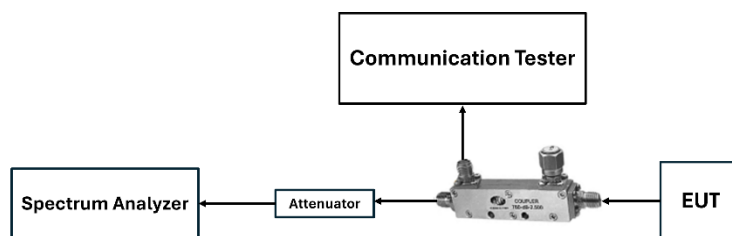


Figure 7-7. LTE Test Instrument & Measurement Setup

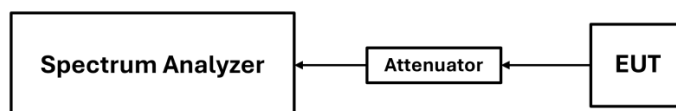


Figure 7-8. FR1 Test Instrument & Measurement Setup

Test Notes

1. For LTE operation QPSK was selected as the lowest order modulation, while 256QAM exhibited the highest peak-to-average power ratio among the QAM modulations. Therefore, only QPSK and 256QAM results are reported in this section.
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. $\pi/2$ BPSK was selected as the lowest order modulation, while 256QAM exhibited the highest peak-to-average power ratio among the QAM modulation. Therefore, only $\pi/2$ BPSK and 256QAM results are reported in this section.

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.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 79 of 113

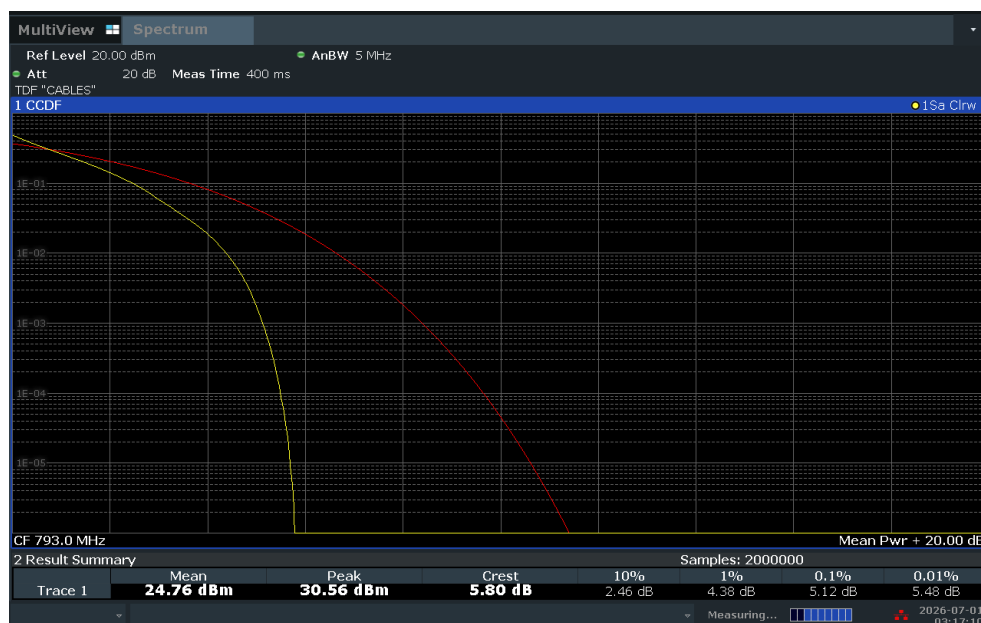
Mode	Bandwidth	Modulation	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
LTE Band 14	5 MHz	QPSK	5.12	13.0	-7.9
		256QAM	6.72	13.0	-6.3
	10 MHz	QPSK	5.06	13.0	-7.9
		256QAM	6.68	13.0	-6.3
NR Band n14	5 MHz	$\pi/2$ BPSK	4.12	13.0	-8.9
		256QAM	6.57	13.0	-6.4
	10 MHz	$\pi/2$ BPSK	4.00	13.0	-9.0
		256QAM	6.60	13.0	-6.4

Table 7-2. Peak-Average Ratio Results

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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LTE Band 14



03:17:10 AM 07/01/2026

Plot 7-111. PAR Plot (LTE Band 14 - 5 MHz QPSK - Full RB)



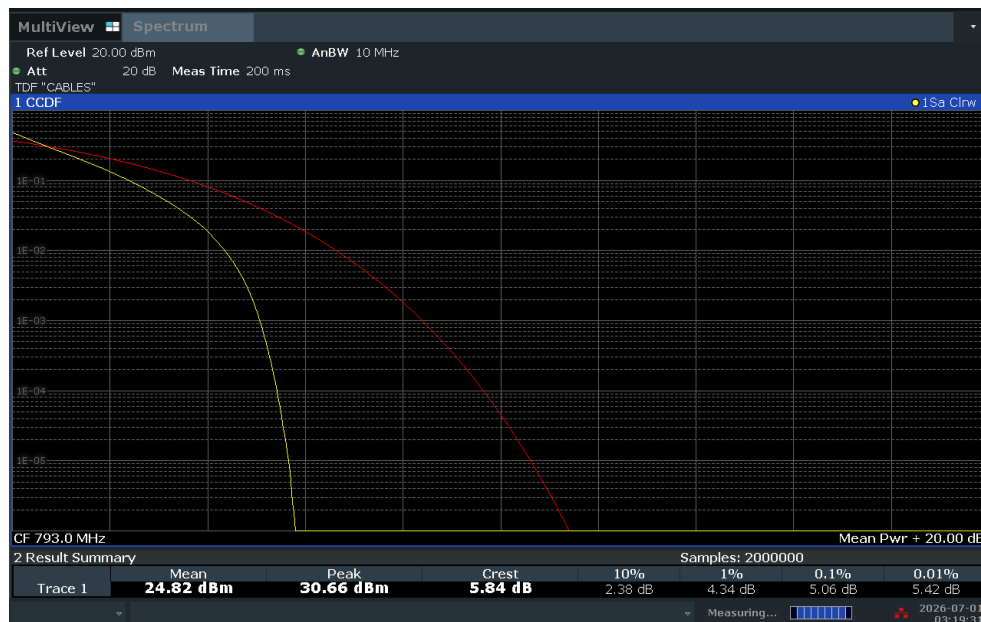
03:18:24 AM 07/01/2026

Plot 7-112. PAR Plot (LTE Band 14 - 5 MHz 256-QAM - Full RB)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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03:19:32 AM 07/01/2026

Plot 7-113. PAR Plot (LTE Band 14 - 10 MHz QPSK - Full RB)



03:20:45 AM 07/01/2026

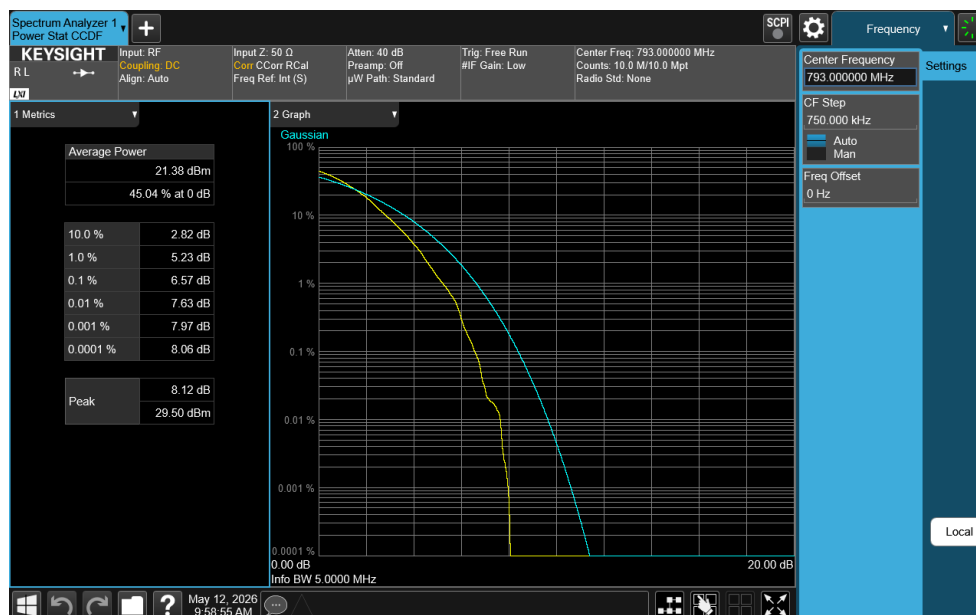
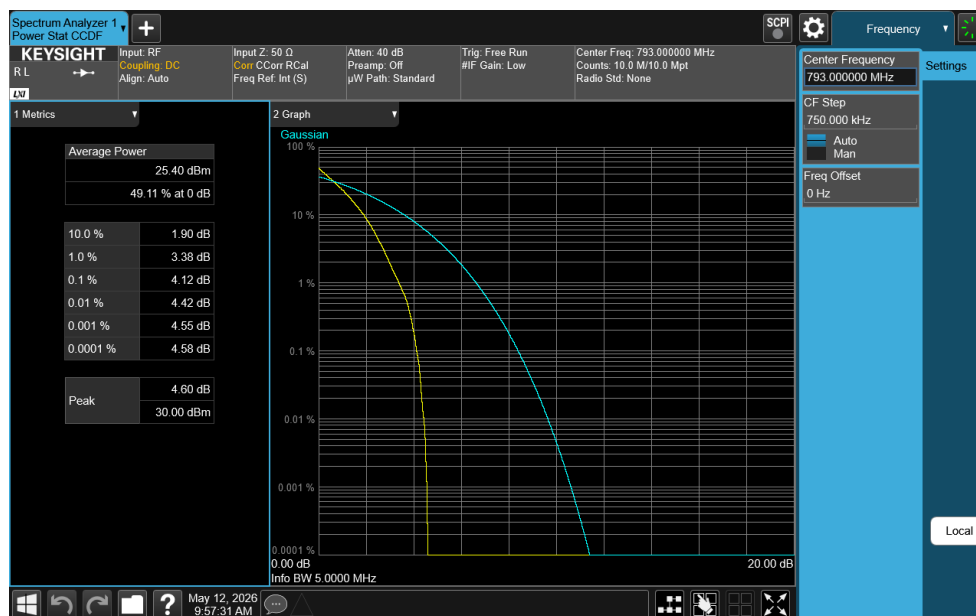
Plot 7-114. PAR Plot (LTE Band 14 - 10 MHz 256-QAM - Full RB)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.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 82 of 113

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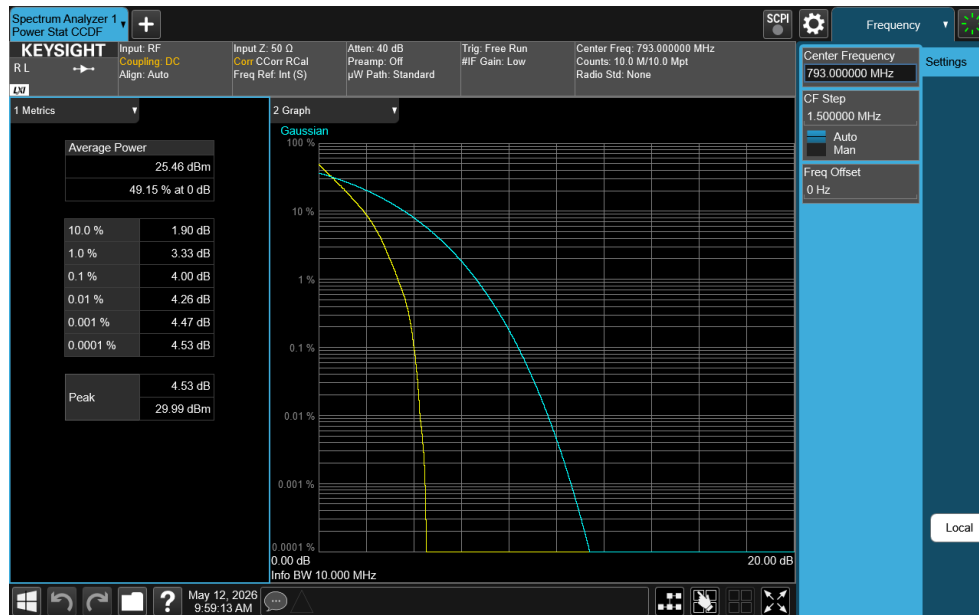
NR Band n14



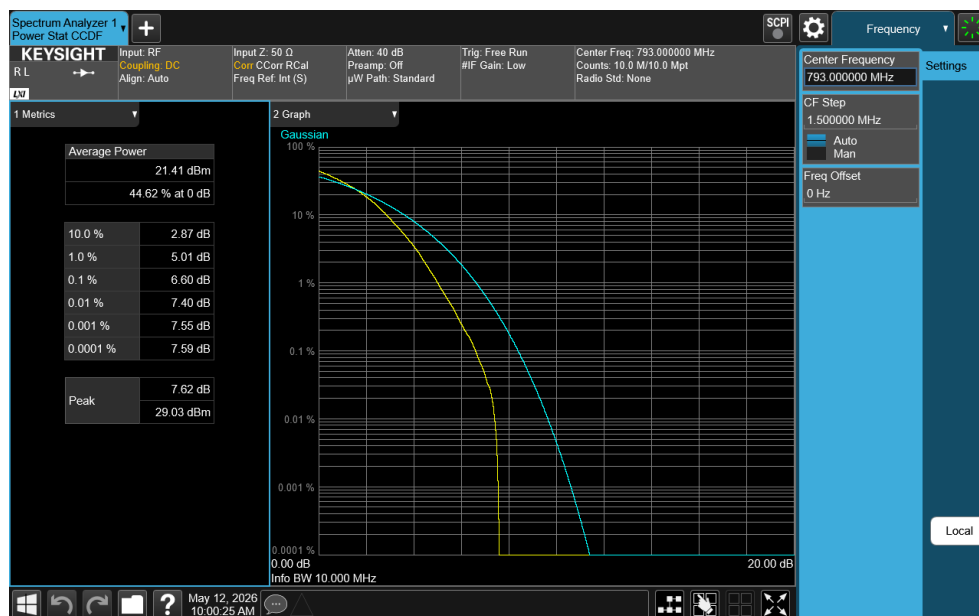
FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 83 of 113

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Plot 7-117. PAR Plot (NR Band n14, 10 MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB)



Plot 7-118. PAR Plot (NR Band n14, 10 MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.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 113

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 – Section 5.2.1

Test Setup

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

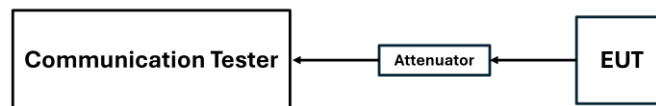


Figure 7-9. LTE Conducted Power Measurement Setup

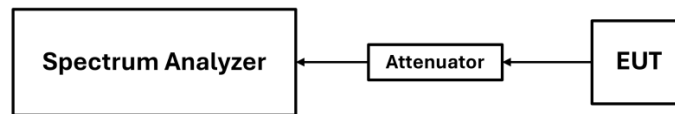


Figure 7-10. FR1 Conducted Power Measurement Setup

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: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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7.6.1 Antenna 4 – Conducted Power

Bandwidth	Modulation	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]	Conducted Power [Watts]	Conducted Power Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	814.7	1 / 3	25.35	0.343	50.00	-24.65
		819.0	1 / 3	25.38	0.345	50.00	-24.62
		823.3	1 / 3	25.26	0.336	50.00	-24.74
	16-QAM	819.0	1 / 3	24.77	0.300	50.00	-25.23
	64-QAM	823.3	1 / 3	23.55	0.226	50.00	-26.45
	256-QAM	819.0	6 / 0	20.82	0.121	50.00	-29.18
3 MHz	QPSK	815.5	1 / 7	25.33	0.341	50.00	-24.67
		819.0	1 / 7	25.25	0.335	50.00	-24.75
		822.5	1 / 7	25.19	0.330	50.00	-24.81
	16-QAM	819.0	1 / 7	24.68	0.294	50.00	-25.32
	64-QAM	822.5	1 / 7	23.74	0.237	50.00	-26.26
	256-QAM	819.0	15 / 0	20.86	0.122	50.00	-29.14
5 MHz	QPSK	816.5	1 / 24	25.36	0.344	50.00	-24.64
		819.0	1 / 24	25.43	0.349	50.00	-24.57
		821.5	1 / 24	25.59	0.362	50.00	-24.41
	16-QAM	819.0	1 / 24	24.83	0.304	50.00	-25.17
	64-QAM	821.5	1 / 24	23.80	0.240	50.00	-26.20
	256-QAM	821.5	25 / 0	20.86	0.122	50.00	-29.14
10 MHz	QPSK	819.0	1 / 49	25.39	0.346	50.00	-24.61
	16-QAM	819.0	1 / 25	24.66	0.292	50.00	-25.34
	64-QAM	819.0	1 / 49	23.66	0.232	50.00	-26.34
	256-QAM	819.0	50 / 0	20.75	0.119	50.00	-29.25

Table 7-3. Antenna 4 Conducted Output Data (LTE Band 26)

Bandwidth	Modulation	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]	Conducted Power [Watts]	Conducted Power Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	816.5	25 / 0	25.56	0.360	50.00	-24.44
		819.0	25 / 0	25.61	0.364	50.00	-24.39
		821.5	25 / 0	25.58	0.361	50.00	-24.42
	QPSK	816.5	1 / 1	25.50	0.355	50.00	-24.50
		819.0	1 / 23	25.50	0.355	50.00	-24.50
		821.5	1 / 1	25.49	0.354	50.00	-24.51
	16-QAM	821.5	1 / 23	24.41	0.276	50.00	-25.59
	64-QAM	819.0	25 / 0	23.64	0.231	50.00	-26.36
10 MHz	256-QAM	819.0	25 / 0	21.62	0.145	50.00	-28.38
	$\pi/2$ BPSK	819.0	50 / 0	25.67	0.369	50.00	-24.33
	QPSK	819.0	1 / 25	25.53	0.357	50.00	-24.47
	16-QAM	819.0	1 / 25	24.40	0.275	50.00	-25.60
	64-QAM	819.0	50 / 0	23.64	0.231	50.00	-26.36
	256-QAM	819.0	50 / 0	21.66	0.147	50.00	-28.34

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

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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7.6.2 Antenna 3b – Conducted Power

Bandwidth	Modulation	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]	Conducted Power [Watts]	Conducted Power Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	814.7	1 / 3	25.25	0.335	50.00	-24.75
		819.0	1 / 3	25.21	0.332	50.00	-24.79
		823.3	1 / 3	25.33	0.341	50.00	-24.67
	16-QAM	819.0	1 / 3	24.58	0.287	50.00	-25.42
	64-QAM	823.3	1 / 3	23.70	0.234	50.00	-26.30
	256-QAM	823.3	6 / 0	20.85	0.122	50.00	-29.15
3 MHz	QPSK	815.5	1 / 7	25.26	0.336	50.00	-24.74
		819.0	1 / 7	25.08	0.322	50.00	-24.92
		822.5	1 / 7	25.10	0.324	50.00	-24.90
	16-QAM	822.5	1 / 7	24.56	0.286	50.00	-25.44
	64-QAM	819.0	1 / 7	23.53	0.225	50.00	-26.47
	256-QAM	822.5	15 / 0	20.87	0.122	50.00	-29.13
5 MHz	QPSK	816.5	1 / 24	25.19	0.330	50.00	-24.81
		819.0	1 / 24	25.24	0.334	50.00	-24.76
		821.5	1 / 12	25.53	0.357	50.00	-24.47
	16-QAM	821.5	1 / 12	24.91	0.310	50.00	-25.09
	64-QAM	821.5	1 / 0	23.56	0.227	50.00	-26.44
	256-QAM	819.0	25 / 0	20.74	0.119	50.00	-29.26
10 MHz	QPSK	819.0	1 / 25	25.11	0.324	50.00	-24.89
	16-QAM	819.0	1 / 0	24.59	0.288	50.00	-25.41
	64-QAM	819.0	1 / 0	23.60	0.229	50.00	-26.40
	256-QAM	819.0	50 / 0	20.77	0.119	50.00	-29.23

Table 7-5. Antenna 3b Conducted Output Data (LTE Band 26)

Bandwidth	Modulation	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]	Conducted Power [Watts]	Conducted Power Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	816.5	25 / 0	25.56	0.360	50.00	-24.44
		819.0	25 / 0	25.55	0.359	50.00	-24.45
		821.5	25 / 0	25.62	0.365	50.00	-24.38
	QPSK	816.5	1 / 12	25.51	0.356	50.00	-24.49
		819.0	1 / 23	25.50	0.355	50.00	-24.50
		821.5	1 / 12	25.55	0.359	50.00	-24.45
	16-QAM	821.5	1 / 23	24.54	0.284	50.00	-25.46
	64-QAM	821.5	25 / 0	23.66	0.232	50.00	-26.34
	256-QAM	816.5	25 / 0	21.62	0.145	50.00	-28.38
		821.5	25 / 0	21.62	0.145	50.00	-28.38
10 MHz	$\pi/2$ BPSK	819.0	50 / 0	25.64	0.366	50.00	-24.36
	QPSK	819.0	1 / 50	25.54	0.358	50.00	-24.46
	16-QAM	819.0	1 / 50	24.46	0.279	50.00	-25.54
	64-QAM	819.0	50 / 0	23.60	0.229	50.00	-26.40
	256-QAM	819.0	50 / 0	21.63	0.146	50.00	-28.37

Table 7-6. Antenna 3b Conducted Output Data (NR Band n26)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.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 113

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: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	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 7-11. LTE ERP Measurement Setup

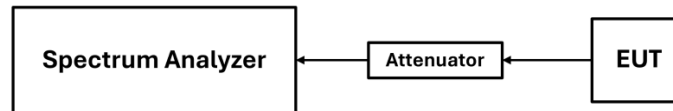


Figure 7-12. FR1 ERP Measurement Setup

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: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.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 113

7.7.1 Antenna 4 - ERP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	790.5	-3.50	1 / 24	25.35	19.70	0.093	34.77	-15.07
		793.0	-3.50	1 / 24	25.24	19.59	0.091	34.77	-15.18
		795.5	-3.50	1 / 0	25.59	19.94	0.099	34.77	-14.83
	16-QAM	790.5	-3.50	1 / 0	24.80	19.15	0.082	34.77	-15.62
	64-QAM	795.5	-3.50	1 / 24	23.70	18.05	0.064	34.77	-16.72
	256-QAM	793.0	-3.50	25 / 0	20.74	15.09	0.032	34.77	-19.68
10 MHz	QPSK	793.0	-3.50	1 / 25	25.40	19.75	0.094	34.77	-15.02
	16-QAM	793.0	-3.50	1 / 0	24.52	18.87	0.077	34.77	-15.90
	64-QAM	793.0	-3.50	1 / 25	23.54	17.89	0.062	34.77	-16.88
	256-QAM	793.0	-3.50	50 / 0	20.76	15.11	0.032	34.77	-19.66

Table 7-7. Antenna 4 ERP Data (LTE Band 14)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	790.5	-3.50	25 / 0	25.66	20.01	0.100	34.77	-14.76
		793.0	-3.50	25 / 0	25.64	19.99	0.100	34.77	-14.78
		795.5	-3.50	25 / 0	25.69	20.04	0.101	34.77	-14.73
	QPSK	790.5	-3.50	1 / 23	25.56	19.91	0.098	34.77	-14.86
		793.0	-3.50	1 / 12	25.55	19.90	0.098	34.77	-14.87
		795.5	-3.50	1 / 12	25.61	19.96	0.099	34.77	-14.81
	16-QAM	793.0	-3.50	1 / 12	24.53	18.88	0.077	34.77	-15.89
	64-QAM	795.5	-3.50	25 / 0	23.73	18.08	0.064	34.77	-16.69
10 MHz	256-QAM	795.5	-3.50	25 / 0	21.67	16.02	0.040	34.77	-18.75
	$\pi/2$ BPSK	793.0	-3.50	1 / 50	25.59	19.94	0.099	34.77	-14.83
	QPSK	793.0	-3.50	1 / 25	25.59	19.94	0.099	34.77	-14.83
	16-QAM	793.0	-3.50	1 / 25	24.51	18.86	0.077	34.77	-15.91
	64-QAM	793.0	-3.50	50 / 0	23.66	18.01	0.063	34.77	-16.76
	256-QAM	793.0	-3.50	50 / 0	21.67	16.02	0.040	34.77	-18.75

Table 7-8. Antenna 4 ERP Data (NR Band n14)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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7.7.2 Antenna 3b - ERP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	790.5	-3.60	1 / 24	25.56	19.81	0.096	34.77	-14.96
		793.0	-3.60	1 / 0	25.57	19.82	0.096	34.77	-14.95
		795.5	-3.60	1 / 12	25.51	19.76	0.095	34.77	-15.01
	16-QAM	790.5	-3.60	1 / 12	24.97	19.22	0.084	34.77	-15.55
	64-QAM	795.5	-3.60	1 / 0	23.80	18.05	0.064	34.77	-16.72
	256-QAM	790.5	-3.60	25 / 0	20.94	15.19	0.033	34.77	-19.58
10 MHz	QPSK	793.0	-3.60	1 / 49	25.58	19.83	0.096	34.77	-14.94
	16-QAM	793.0	-3.60	1 / 25	24.80	19.05	0.080	34.77	-15.72
	64-QAM	793.0	-3.60	1 / 25	23.58	17.83	0.061	34.77	-16.94
	256-QAM	793.0	-3.60	50 / 0	20.96	15.21	0.033	34.77	-19.56

Table 7-9. Antenna 3b ERP Data (LTE Band 14)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	790.5	-3.60	25 / 0	25.54	19.79	0.095	34.77	-14.98
		793.0	-3.60	25 / 0	25.50	19.75	0.094	34.77	-15.02
		795.5	-3.60	25 / 0	25.57	19.82	0.096	34.77	-14.95
	QPSK	790.5	-3.60	1 / 23	25.46	19.71	0.094	34.77	-15.06
		793.0	-3.60	1 / 1	25.46	19.71	0.094	34.77	-15.06
		795.5	-3.60	1 / 12	25.45	19.70	0.093	34.77	-15.07
	16-QAM	793.0	-3.60	1 / 1	24.39	18.64	0.073	34.77	-16.13
	64-QAM	795.5	-3.60	25 / 0	23.56	17.81	0.060	34.77	-16.96
10 MHz	256-QAM	795.5	-3.60	25 / 0	21.57	15.82	0.038	34.77	-18.95
	$\pi/2$ BPSK	793.0	-3.60	50 / 0	25.48	19.73	0.094	34.77	-15.04
	QPSK	793.0	-3.60	1 / 50	25.47	19.72	0.094	34.77	-15.05
	16-QAM	793.0	-3.60	1 / 50	24.38	18.63	0.073	34.77	-16.14
	64-QAM	793.0	-3.60	50 / 0	23.58	17.83	0.061	34.77	-16.94
	256-QAM	793.0	-3.60	50 / 0	21.59	15.84	0.038	34.77	-18.93

Table 7-10. Antenna 3b ERP Data (NR Band n14)

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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 1 GHz are performed using horizontally and vertically polarized broadband hybrid antennas. Measurements on signals operating above 1 GHz 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 1 GHz and 1MHz for emissions above 1 GHz
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

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Test Setup

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

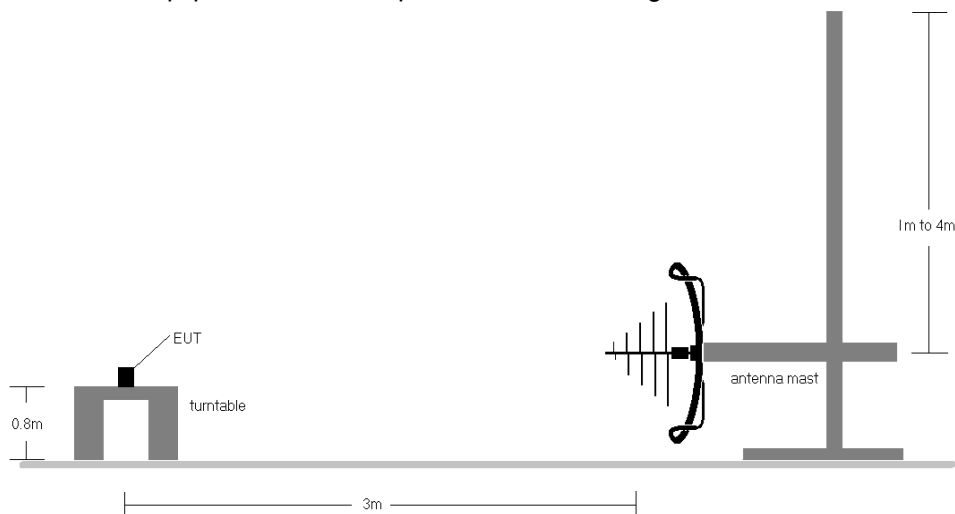


Figure 7-13. Test Instrument & Measurement Setup < 1 GHz

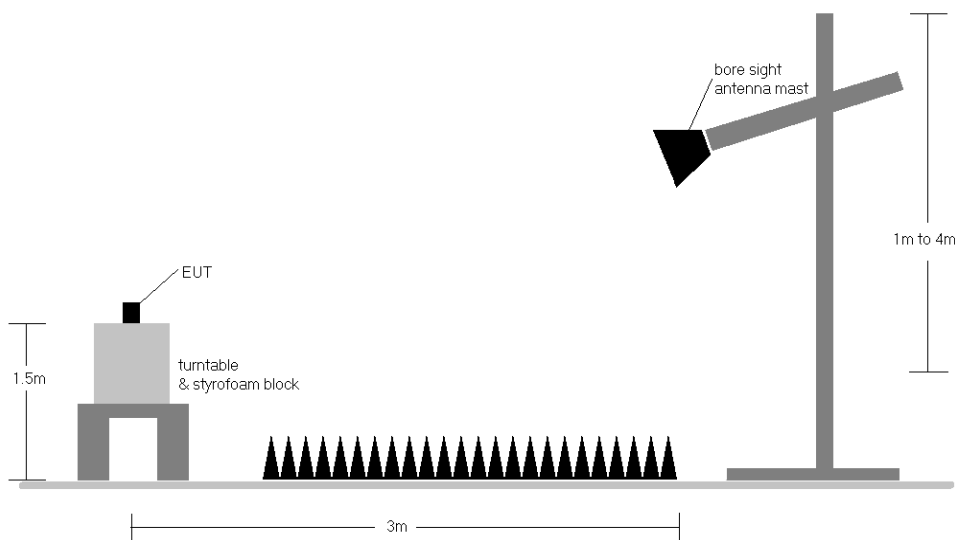


Figure 7-14. Test Instrument & Measurement Setup >1 GHz

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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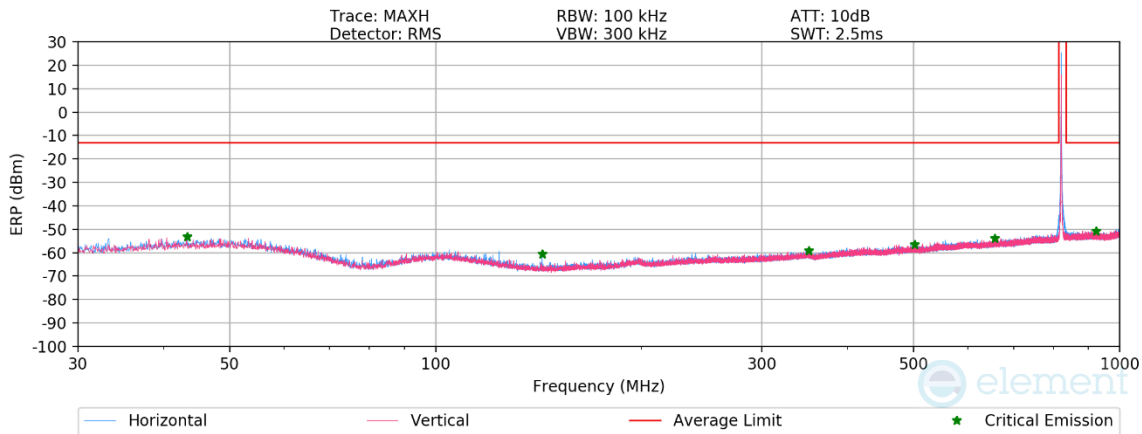
Test Notes

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.
7. Pre-scan plots have been reported for the highest power antenna while measurements have been reported for all antennas.

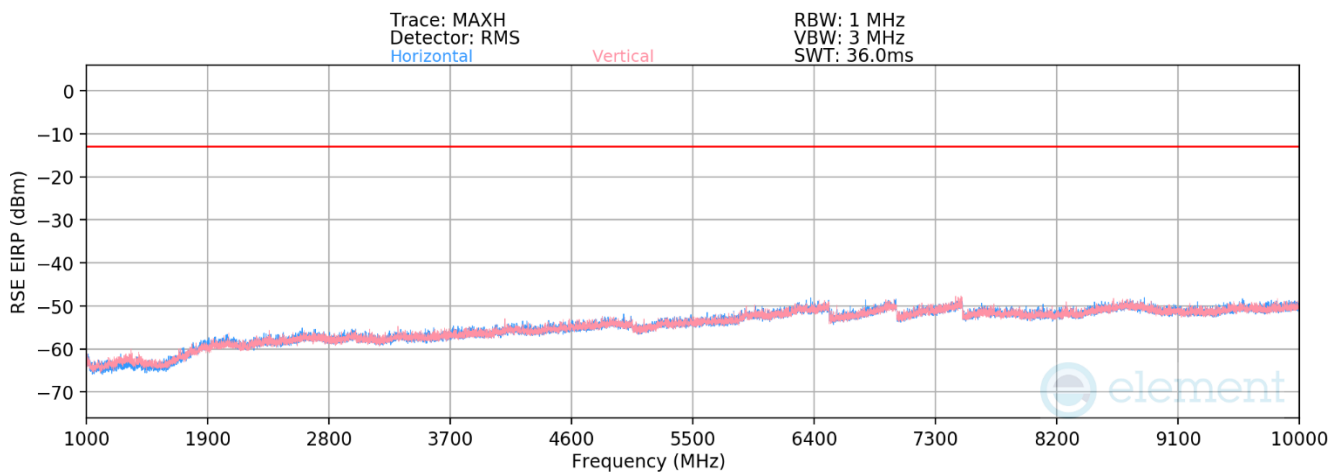
FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.BCG		This report is blockchain verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the blockchain logo.		Page 94 of 113

7.8.1 Antenna 4 – Radiated Spurious Emission Measurements

LTE Band 26



Plot 7-119. Antenna 4 Radiated Spurious Plot Below 1 GHz (LTE Band 26)



Plot 7-120. Antenna 4 Radiated Spurious Plot Above 1 GHz (LTE Band 26)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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Bandwidth (MHz):	5
Frequency (MHz):	816.5
Modulation Signal:	QPSK
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	-	-	-79.09	-1.28	26.63	-68.63	-13.00	-55.63
2449.5	V	-	-	-78.56	2.49	30.93	-64.33	-13.00	-51.33
3266.0	H	-	-	-79.09	4.10	32.01	-63.25	-13.00	-50.25

Table 7-11. Antenna 4 Radiated Spurious Data (LTE Band 26 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	819.0
Modulation Signal:	QPSK
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	-	-	-79.00	-1.28	26.72	-68.54	-13.00	-55.54
2457.0	V	-	-	-78.48	2.63	31.15	-64.11	-13.00	-51.11
3276.0	H	-	-	-78.81	4.41	32.60	-62.66	-13.00	-49.66

Table 7-12. Antenna 4 Radiated Spurious Data (LTE Band 26 – Mid Channel)

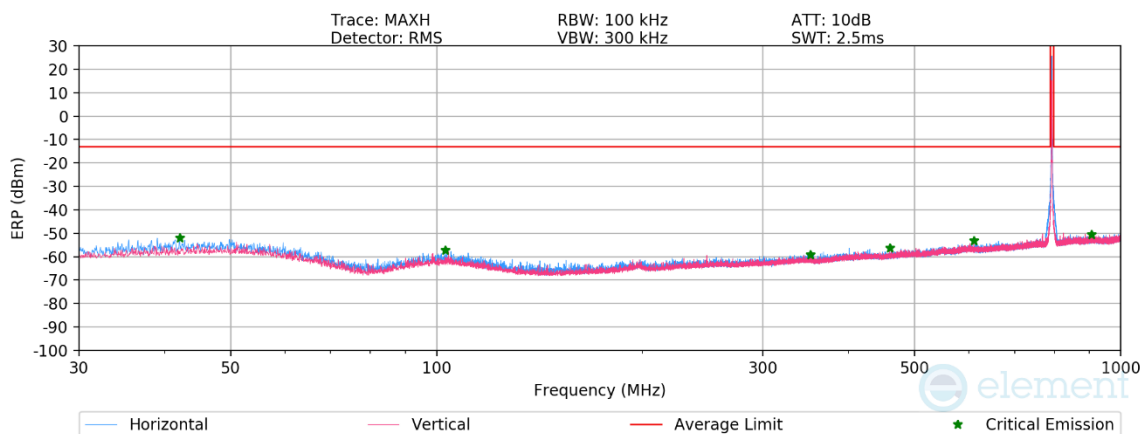
Bandwidth (MHz):	5
Frequency (MHz):	821.5
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 12

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	-	-	-79.02	-1.28	26.70	-68.56	-13.00	-55.56
2464.5	V	-	-	-78.42	2.49	31.06	-64.19	-13.00	-51.19
3286.0	V	-	-	-79.07	4.58	32.51	-62.75	-13.00	-49.75

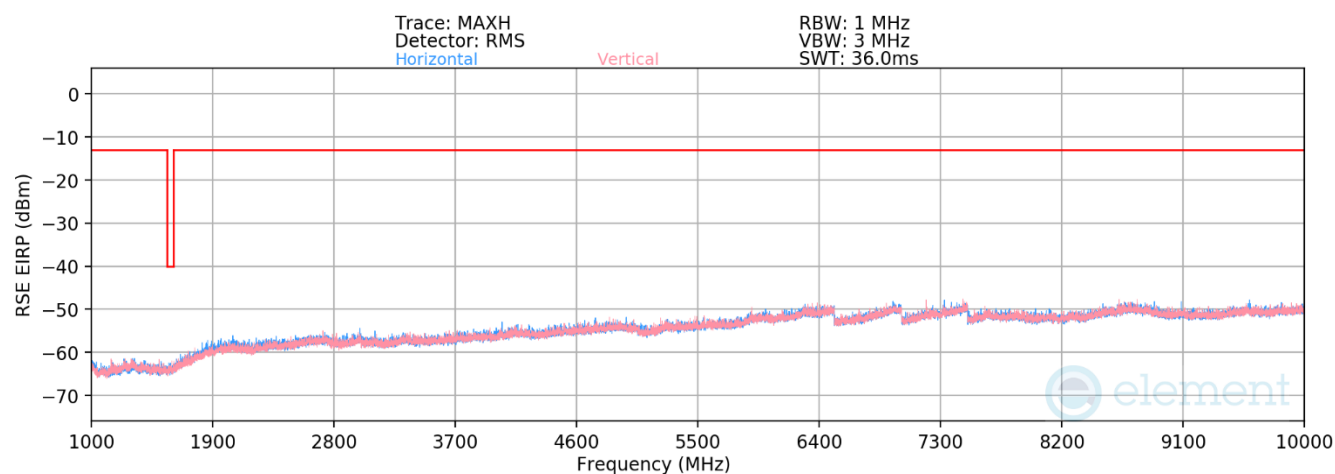
Table 7-13. Antenna 4 Radiated Spurious Data (LTE Band 26 – High Channel)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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LTE Band 14



Plot 7-121. Antenna 4 Radiated Spurious Plot Below 1 GHz (LTE Band 14)



Plot 7-122. Antenna 4 Radiated Spurious Plot Above 1 GHz (LTE Band 14)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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V 2.3 03/03/2026

Bandwidth (MHz):	5
Frequency (MHz):	790.5
Modulation Signal:	QPSK
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	H	-	-	-79.45	-2.52	25.03	-70.22	-40.00	-30.22
2371.5	H	-	-	-78.53	2.70	31.17	-64.09	-13.00	-51.09
3162.0	H	-	-	-79.46	4.36	31.90	-63.36	-13.00	-50.36

Table 7-14. Antenna 4 Radiated Spurious Data (LTE Band 14 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	793.0
Modulation Signal:	QPSK
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	H	-	-	-79.27	-2.25	25.49	-69.77	-40.00	-29.77
2379.0	V	-	-	-78.60	2.72	31.12	-64.14	-13.00	-51.14
3172.0	V	-	-	-79.12	3.72	31.61	-63.65	-13.00	-50.65

Table 7-15. Antenna 4 Radiated Spurious Data (LTE Band 14 – Mid Channel)

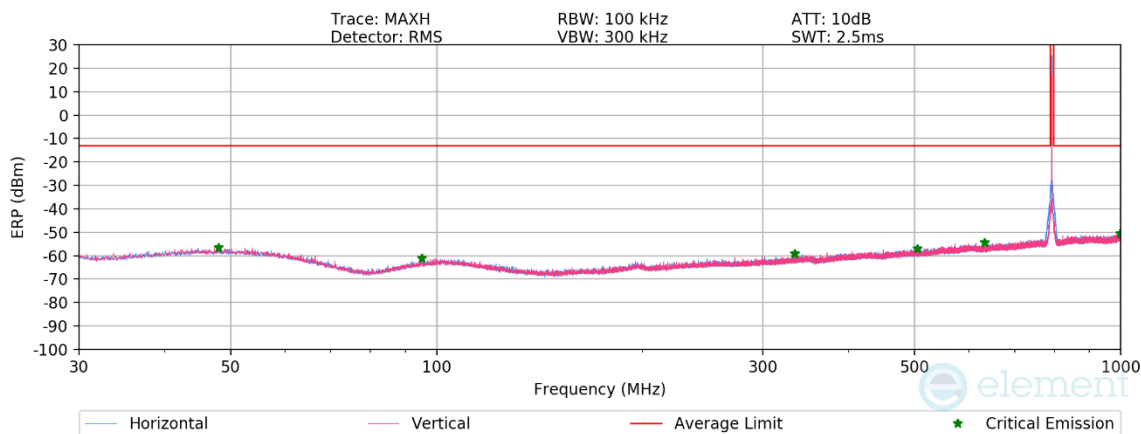
Bandwidth (MHz):	5
Frequency (MHz):	795.5
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 12

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	H	-	-	-79.75	-2.25	25.01	-70.25	-40.00	-30.25
2386.5	H	-	-	-78.82	2.69	30.87	-64.39	-13.00	-51.39
3182.0	V	-	-	-79.20	3.72	31.52	-63.74	-13.00	-50.74

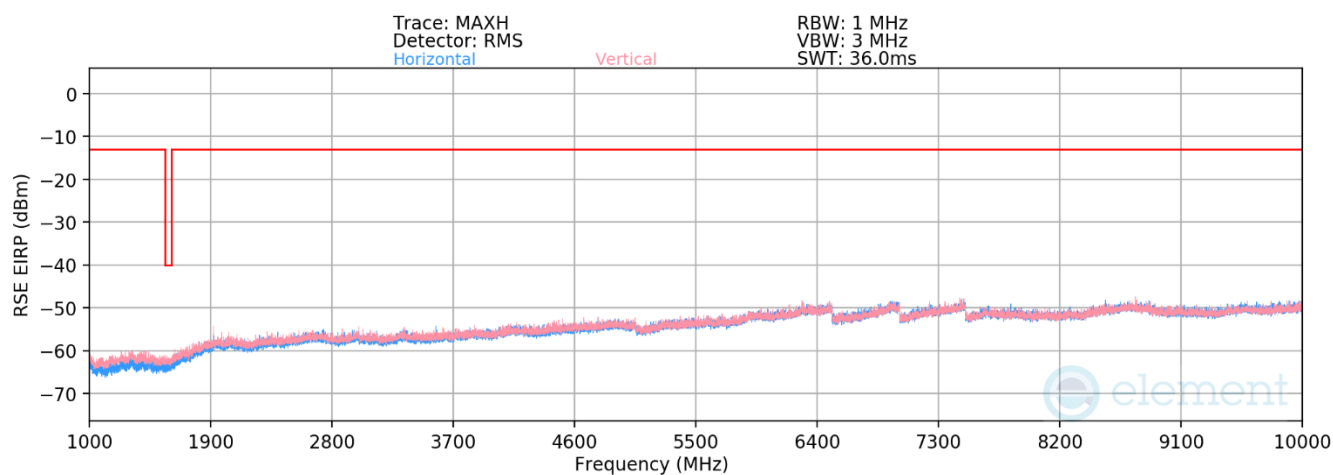
Table 7-16. Antenna 4 Radiated Spurious Data (LTE Band 14 – High Channel)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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NR Band n14



Plot 7-123. Antenna 4 Radiated Spurious Plot Below 1 GHz (NR Band n14)



Plot 7-124. Antenna 4 Radiated Spurious Plot Above 1 GHz (NR Band n14)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.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 113

Bandwidth (MHz):	5
Frequency (MHz):	790.5
Modulation Signal:	QPSK
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	H	-	-	-81.31	-2.44	23.25	-72.00	-40.00	-32.00
2371.5	H	-	-	-79.70	2.69	29.99	-65.27	-13.00	-52.27
3162.0	H	-	-	-80.57	4.36	30.79	-64.46	-13.00	-51.46

Table 7-17. Antenna 4 Radiated Spurious Data (NR Band n14 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	793.0
Modulation Signal:	QPSK
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	H	-	-	-81.18	-2.25	23.57	-71.69	-40.00	-31.69
2379.0	H	-	-	-79.69	2.75	30.06	-65.20	-13.00	-52.20
3172.0	H	-	-	-79.76	3.72	30.97	-64.29	-13.00	-51.29

Table 7-18. Antenna 4 Radiated Spurious Data (NR Band n14 – Mid Channel)

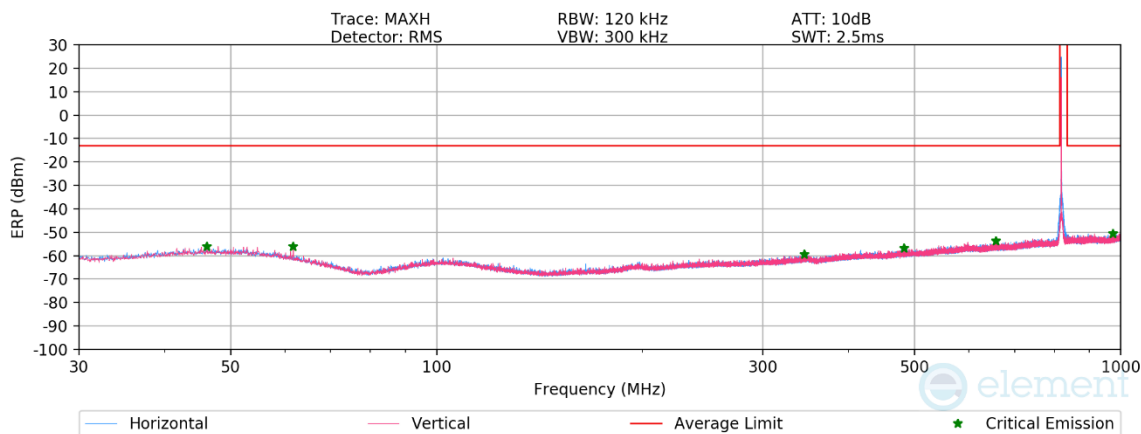
Bandwidth (MHz):	5
Frequency (MHz):	795.5
Modulation Signal:	QPSK
RB / Offset:	1 / 12

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	-	-	-77.60	-2.25	27.15	-68.11	-40.00	-28.11
2386.5	H	-	-	-79.78	2.70	29.92	-65.34	-13.00	-52.34
3182.0	H	-	-	-79.87	3.72	30.86	-64.40	-13.00	-51.40

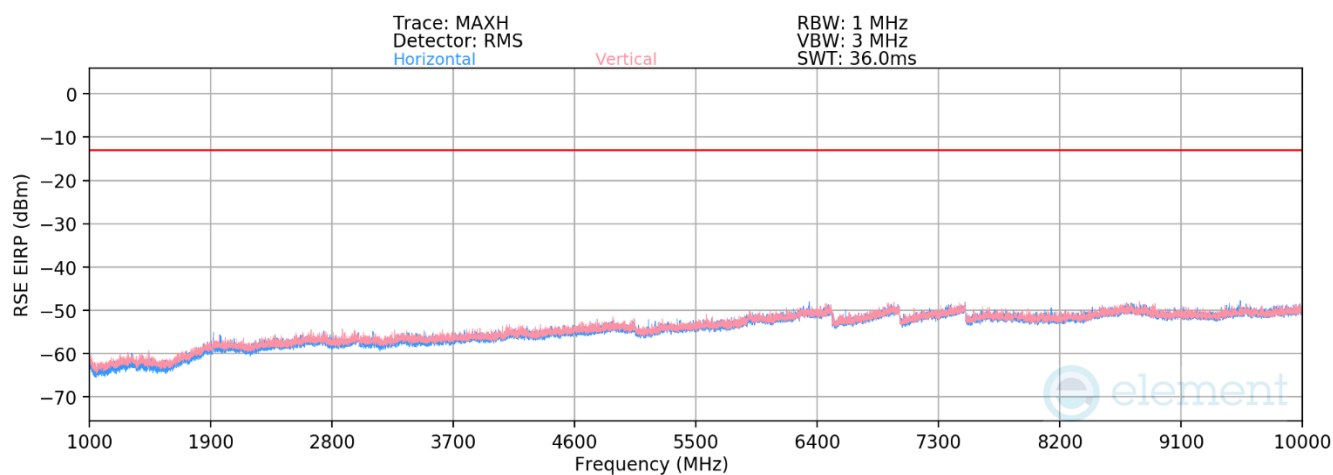
Table 7-19. Antenna 4 Radiated Spurious Data (NR Band n14 – High Channel)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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NR Band n26



Plot 7-125. Antenna 4 Radiated Spurious Plot Below 1 GHz (NR Band n26)



Plot 7-126. Antenna 4 Radiated Spurious Plot Above 1 GHz (NR Band n26)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
Test Report S/N: 1C2604030026-06-R2.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 113

Bandwidth (MHz):	5
Frequency (MHz):	816.5
Modulation Signal:	QPSK
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	-	-	-75.73	-5.28	25.98	-69.27	-13.00	-56.27
2449.5	H	-	-	-76.71	-0.24	30.05	-65.21	-13.00	-52.21
3266.0	H	-	-	-76.95	0.55	30.60	-64.66	-13.00	-51.66

Table 7-20. Antenna 4 Radiated Spurious Data (NR Band n26 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	819.0
Modulation Signal:	QPSK
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	H	-	-	-81.40	-1.28	24.32	-70.94	-13.00	-57.94
2457.0	H	-	-	-79.72	2.63	29.91	-65.35	-13.00	-52.35
3276.0	V	-	-	-79.92	4.58	31.67	-63.59	-13.00	-50.59

Table 7-21. Antenna 4 Radiated Spurious Data (NR Band n26 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	821.5
Modulation Signal:	QPSK
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	-	-	-80.04	-1.28	25.68	-69.57	-13.00	-56.57
2464.5	H	-	-	-78.83	2.32	30.50	-64.76	-13.00	-51.76
3286.0	V	-	-	-79.30	4.58	32.29	-62.97	-13.00	-49.97

Table 7-22. Antenna 4 Radiated Spurious Data (NR Band n26 – High Channel)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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7.8.2 Antenna 3b – Radiated Spurious Emission Measurements

LTE Band 26

Bandwidth (MHz):	5
Frequency (MHz):	816.5
Modulation Signal:	QPSK
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	H	-	-	-78.20	-1.28	27.53	-67.73	-13.00	-54.73
2449.5	V	-	-	-78.70	2.49	30.79	-64.47	-13.00	-51.47
3266.0	V	-	-	-79.12	4.31	32.19	-63.07	-13.00	-50.07

Table 7-23. Antenna 3b Radiated Spurious Data (LTE Band 26 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	819.0
Modulation Signal:	QPSK
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	-	-	-78.52	-1.28	27.20	-68.06	-13.00	-55.06
2457.0	V	-	-	-78.34	2.49	31.14	-64.11	-13.00	-51.11
3276.0	V	-	-	-78.92	4.41	32.48	-62.77	-13.00	-49.77

Table 7-24. Antenna 3b Radiated Spurious Data (LTE Band 26 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	821.5
Modulation Signal:	QPSK
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	H	-	-	-77.95	-1.49	27.56	-67.69	-13.00	-54.69
2464.5	H	-	-	-78.26	2.63	31.38	-63.88	-13.00	-50.88
3286.0	H	-	-	-78.83	4.58	32.76	-62.50	-13.00	-49.50

Table 7-25. Antenna 3b Radiated Spurious Data (LTE Band 26 – High Channel)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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LTE Band 14

Bandwidth (MHz):	5
Frequency (MHz):	790.5
Modulation Signal:	QPSK
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	H	-	-	-77.53	-2.38	27.09	-68.17	-40.00	-28.17
2371.5	H	-	-	-78.95	2.69	30.74	-64.52	-13.00	-51.52
3162.0	V	-	-	-78.87	3.78	31.91	-63.34	-13.00	-50.34

Table 7-26. Antenna 3b Radiated Spurious Data (LTE Band 14 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	793.0
Modulation Signal:	QPSK
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	H	-	-	-76.17	-5.21	25.62	-69.63	-40.00	-29.63
2379.0	V	-	-	-76.18	-0.66	30.15	-65.10	-13.00	-52.10
3172.0	V	-	-	-77.14	0.26	30.12	-65.14	-13.00	-52.14

Table 7-27. Antenna 3b Radiated Spurious Data (LTE Band 14 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	795.5
Modulation Signal:	QPSK
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	H	-	-	-77.49	-2.44	27.07	-68.19	-40.00	-28.19
2386.5	H	-	-	-78.60	2.55	30.95	-64.31	-13.00	-51.31
3182.0	H	-	-	-78.28	3.72	32.44	-62.82	-13.00	-49.82

Table 7-28. Antenna 3b Radiated Spurious Data (LTE Band 14 – High Channel)

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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NR Band n14

Bandwidth (MHz):	5
Frequency (MHz):	790.5
Modulation Signal:	QPSK
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	H	-	-	-82.03	-2.44	22.53	-72.72	-40.00	-32.72
2371.5	V	-	-	-78.44	2.72	31.28	-63.98	-13.00	-50.98
3162.0	H	-	-	-80.96	4.09	30.12	-65.14	-13.00	-52.14

Table 7-29. Antenna 3b Radiated Spurious Data (NR Band n14 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	793.0
Modulation Signal:	QPSK
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	H	-	-	-82.14	-2.25	22.61	-72.64	-40.00	-32.64
2379.0	V	-	-	-77.86	2.55	31.69	-63.57	-13.00	-50.57
3172.0	H	-	-	-80.77	3.72	29.95	-65.31	-13.00	-52.31

Table 7-30. Antenna 3b Radiated Spurious Data (NR Band n14 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	795.5
Modulation Signal:	QPSK
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	H	-	-	-81.80	-2.25	22.95	-72.31	-40.00	-32.31
2386.5	V	-	-	-78.18	2.75	31.57	-63.69	-13.00	-50.69
3182.0	H	-	-	-80.77	3.74	29.97	-65.29	-13.00	-52.29

Table 7-31. Antenna 3b Radiated Spurious Data (NR Band n14 – High Channel)

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NR Band n26

Bandwidth (MHz):	5
Frequency (MHz):	816.5
Modulation Signal:	QPSK
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	H	-	-	-80.85	-2.36	23.79	-71.47	-13.00	-58.47
2449.5	V	-	-	-78.06	2.63	31.58	-63.68	-13.00	-50.68
3266.0	H	-	-	-80.55	4.10	30.55	-64.71	-13.00	-51.71

Table 7-32. Antenna 3b Radiated Spurious Data (NR Band n26 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	819.0
Modulation Signal:	QPSK
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	H	-	-	-80.91	-2.36	23.73	-71.53	-13.00	-58.53
2457.0	V	-	-	-77.72	2.49	31.77	-63.49	-13.00	-50.49
3276.0	H	-	-	-80.65	4.41	30.75	-64.50	-13.00	-51.50

Table 7-33. Antenna 3b Radiated Spurious Data (NR Band n26 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	821.5
Modulation Signal:	QPSK
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	H	-	-	-81.80	-1.28	23.92	-71.33	-13.00	-58.33
2464.5	V	-	-	-77.59	2.49	31.90	-63.36	-13.00	-50.36
3286.0	V	-	-	-78.07	4.58	33.52	-61.74	-13.00	-48.74

Table 7-34. Antenna 3b Radiated Spurious Data (NR Band n26 – High Channel)

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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.

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Test Setup

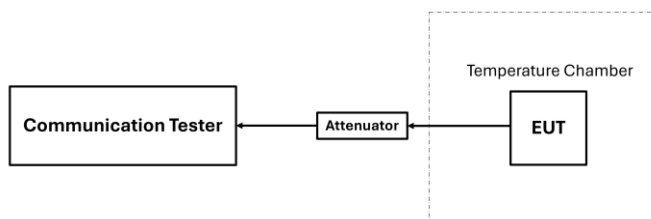


Figure 7-15. LTE Test Instrument & Measurement Setup

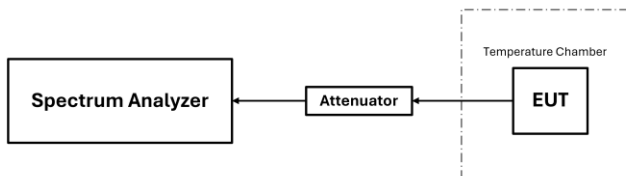


Figure 7-16. FR1 Test Instrument & Measurement Setup

Test Notes

All ports were tested and only the worst case data were reported.

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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	0.819001926	0.000001843	0.000224994
		- 20	0.818998691	-0.000001392	-0.000170000
		- 10	0.819000943	0.000000860	0.000104994
		0	0.818999592	-0.000000491	-0.000060000
		+ 10	0.819001762	0.000001679	0.000204994
		+ 20 (Ref)	0.819000083	0.000000000	0.000000000
		+ 30	0.818998936	-0.000001147	-0.000140000
		+ 40	0.819000738	0.000000655	0.000080000
		+ 50	0.818998445	-0.000001638	-0.000200000
Battery Endpoint	3.40	+ 20	0.819000935	0.000000852	0.000104029

Table 7-35. LTE Band 26 Frequency Stability Data

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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	0.788263949	-0.000263949
		- 20	0.788262637	-0.000262637
		- 10	0.788261285	-0.000261284
		0	0.788261294	-0.000261294
		+ 10	0.788262198	-0.000262198
		+ 20 (Ref)	0.788261951	-0.000261951
		+ 30	0.788261171	-0.000261171
		+ 40	0.788263012	-0.000263011
		+ 50	0.788261297	-0.000261297
Battery Endpoint	3.40	+ 20	0.788262490	-0.000262489

Table 7-36. 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	0.797726727	-0.000273273
		- 20	0.797726211	-0.000273789
		- 10	0.797727034	-0.000272966
		0	0.797724279	-0.000275721
		+ 10	0.797726129	-0.000273871
		+ 20 (Ref)	0.797725664	-0.000274337
		+ 30	0.797726220	-0.000273780
		+ 40	0.797725913	-0.000274088
		+ 50	0.797726349	-0.000273651
Battery Endpoint	3.40	+ 20	0.797726053	-0.000273947

Table 7-37. LTE Band 14 Upper Boundary Frequency Stability Data

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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	0.818997694	0.000001720	0.000210001
		- 20	0.818994418	-0.000001556	-0.000190001
		- 10	0.818997284	0.000001310	0.000159995
		0	0.818995401	-0.000000573	-0.000069994
		+ 10	0.818997858	0.000001884	0.000229995
		+ 20 (Ref)	0.818995974	0.000000000	0.000000000
		+ 30	0.818996957	0.000000983	0.000119994
		+ 40	0.818994500	-0.000001474	-0.000179995
		+ 50	0.818997939	0.000001966	0.000239995
Battery Endpoint	3.40	+ 20	0.818995515	-0.000000459	-0.000056087

Table 7-38. NR Band n26 Frequency Stability Data

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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	0.788263006	-0.000263006
		- 20	0.788261749	-0.000261749
		- 10	0.788260399	-0.000260399
		0	0.788260540	-0.000260540
		+ 10	0.788261446	-0.000261446
		+ 20 (Ref)	0.788261029	-0.000261029
		+ 30	0.788260254	-0.000260253
		+ 40	0.788262197	-0.000262197
		+ 50	0.788260690	-0.000260690
Battery Endpoint	3.40	+ 20	0.788261697	-0.000261697

Table 7-39. 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	0.797726030	-0.000273971
		- 20	0.797725624	-0.000274376
		- 10	0.797726585	-0.000273415
		0	0.797723853	-0.000276147
		+ 10	0.797725424	-0.000274576
		+ 20 (Ref)	0.797725105	-0.000274895
		+ 30	0.797725624	-0.000274376
		+ 40	0.797725128	-0.000274872
		+ 50	0.797725531	-0.000274469
Battery Endpoint	3.40	+ 20	0.797725388	-0.000274612

Table 7-40. NR Band n14 Upper Boundary Frequency Stability Data

FCC ID: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA3596, IC: 579C-A3596** 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: BCGA3596 IC: 579C-A3596		Test Dates: 3/16/2026 - 7/22/2026	EUT Type: Tablet Device	Approved by: Technical Manager
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