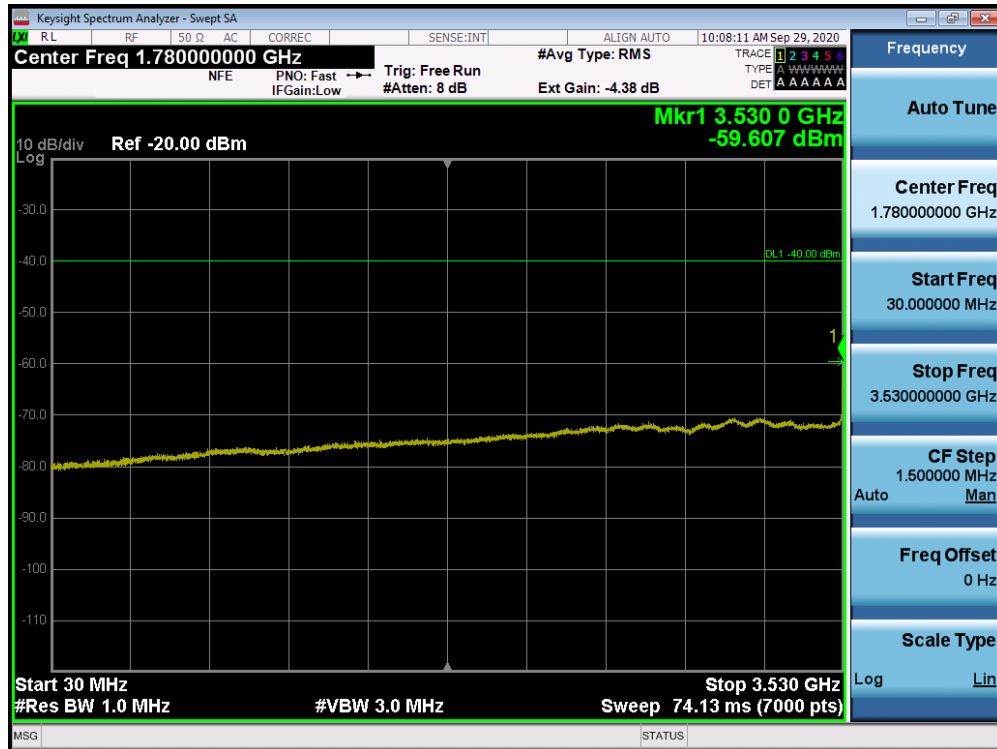
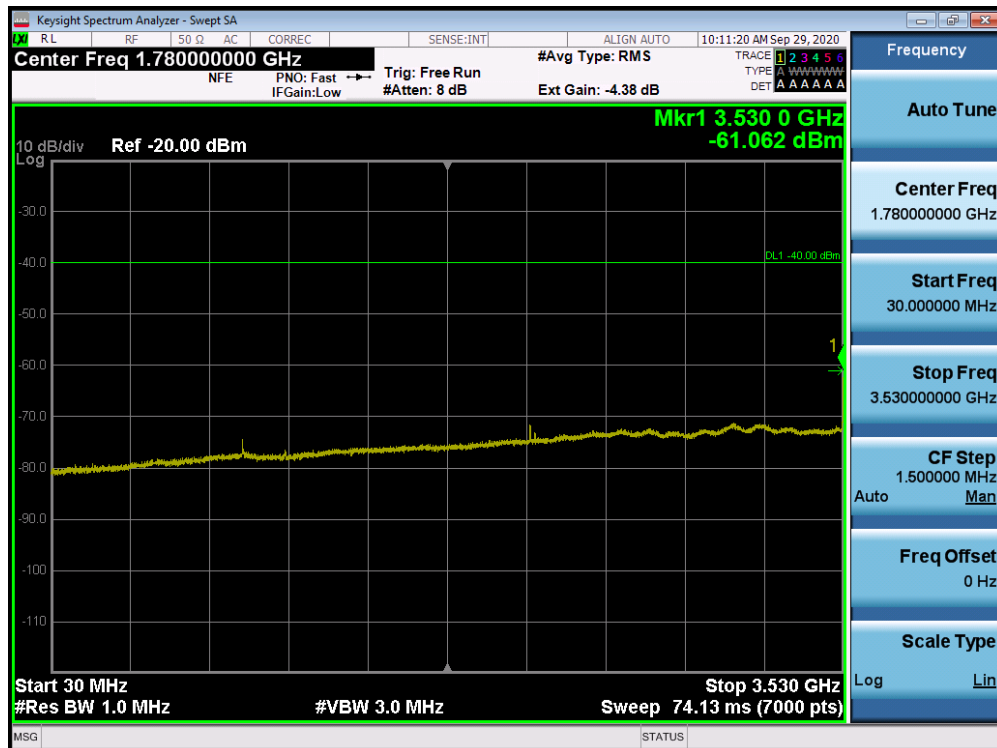




Plot 7-80. Conducted Spurious Emission Plot (10 MHz BW, Middle Channel, Port 0, 30 MHz to 3530 MHz)

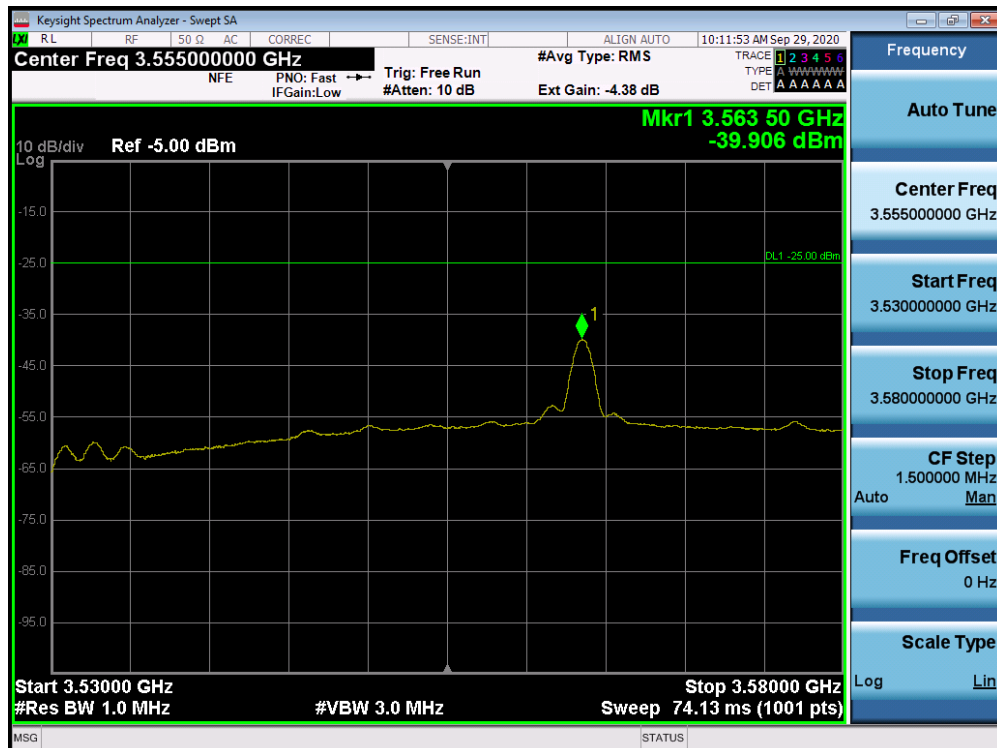


Plot 7-81. Conducted Spurious Emission Plot (10 MHz BW, Middle Channel, Port 1, 30 MHz to 3530 MHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 80 of 143

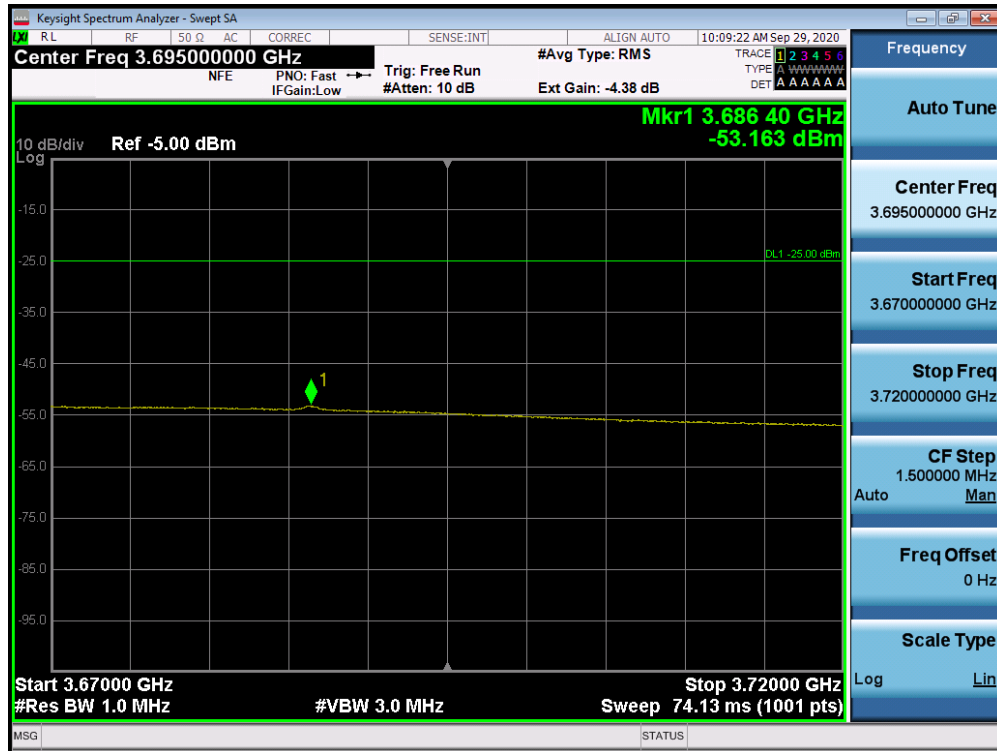


Plot 7-82. Conducted Spurious Emission Plot (10 MHz BW, Middle Channel, Port 0, 3530 MHz to 3580 MHz)

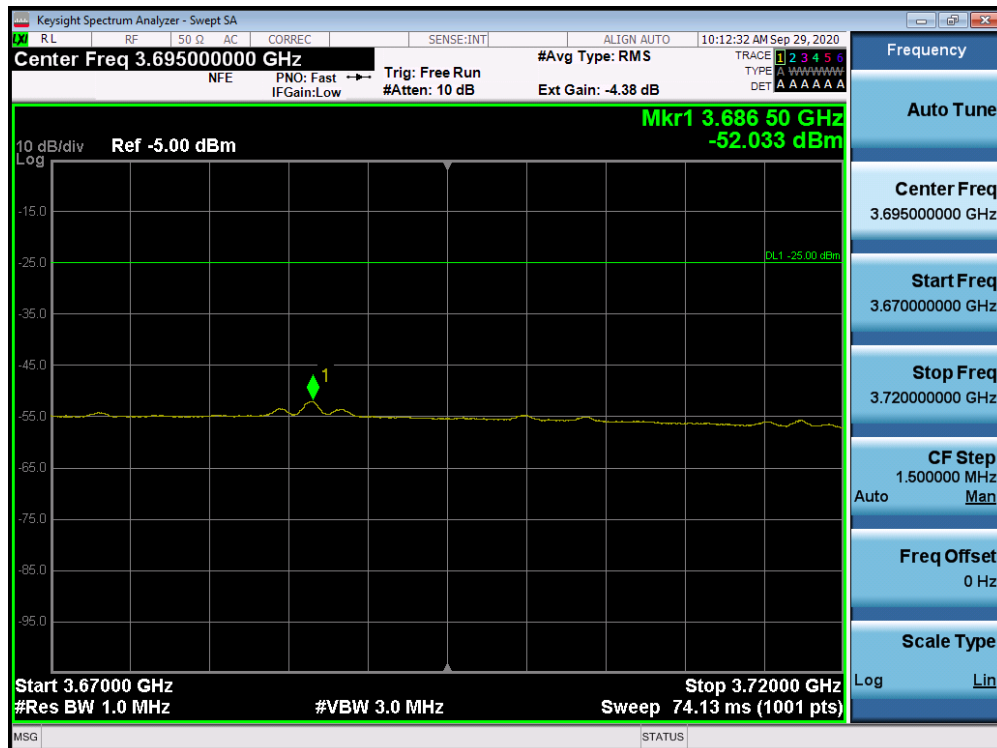


Plot 7-83. Conducted Spurious Emission Plot (10 MHz BW, Middle Channel, Port 1, 3530 MHz to 3580 MHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 81 of 143

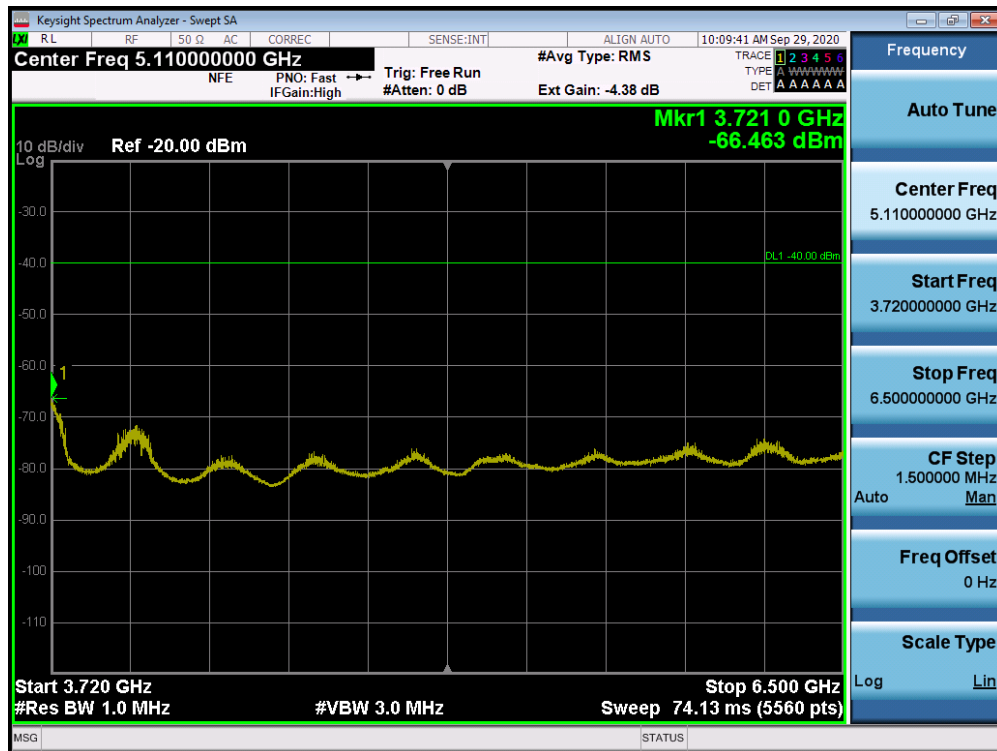


Plot 7-84. Conducted Spurious Emission Plot (10 MHz BW, Middle Channel, Port 0, 3670 MHz to 3720 MHz)

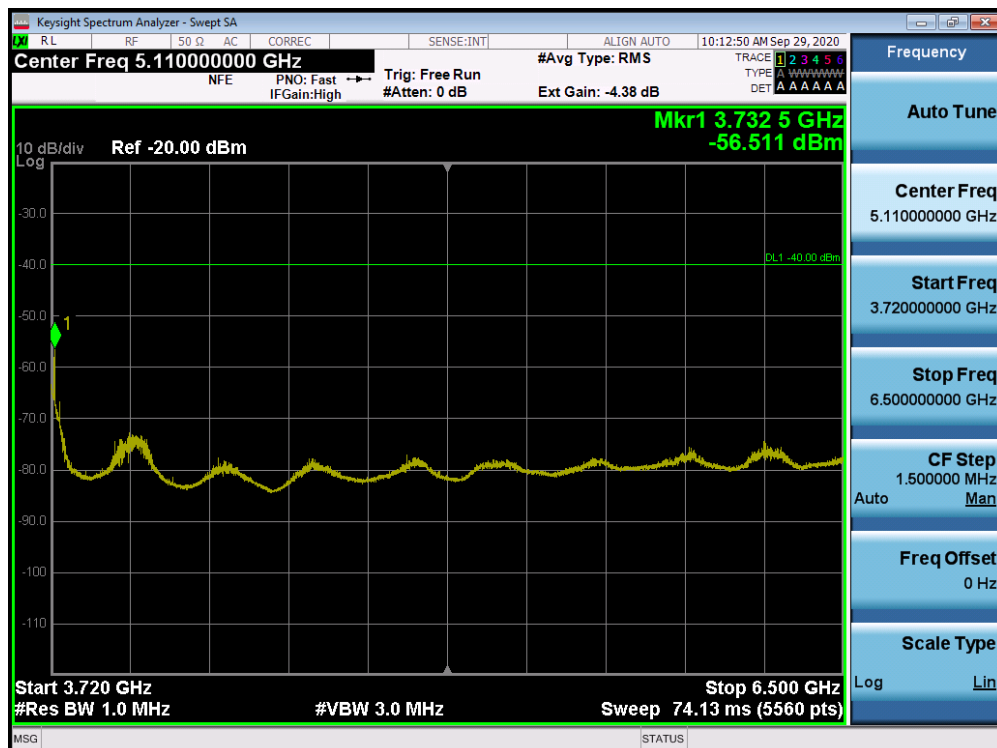


Plot 7-85. Conducted Spurious Emission Plot (10 MHz BW, Middle Channel, Port 1, 3670 MHz to 3720 MHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 82 of 143

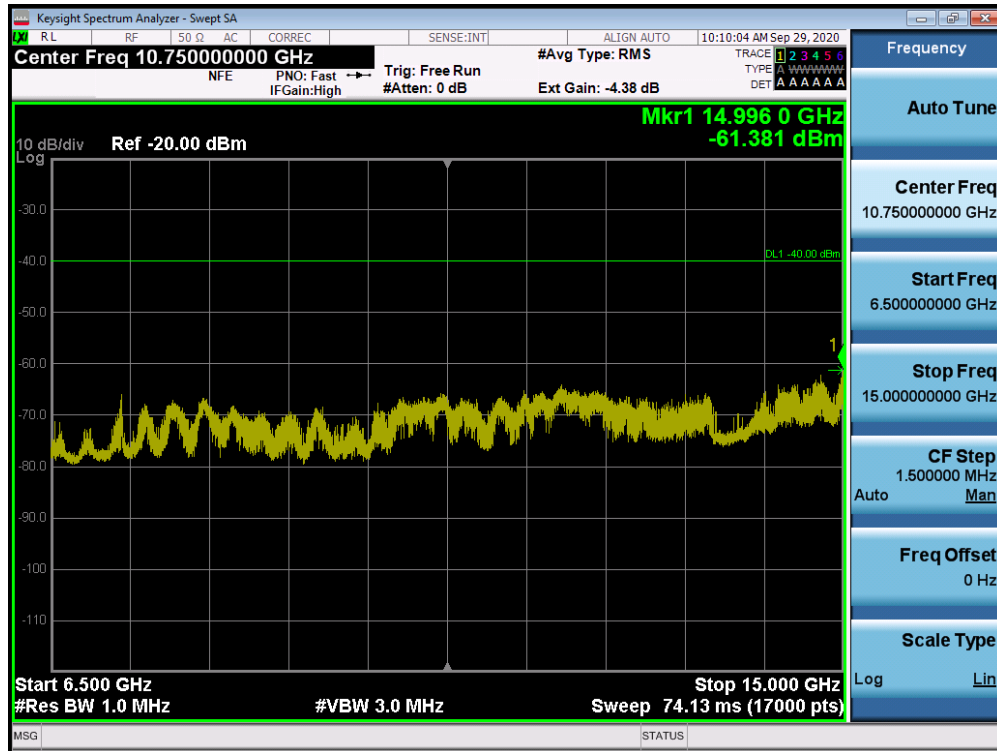


Plot 7-86. Conducted Spurious Emission Plot (10 MHz BW, Middle Channel, Port 0, 3720 MHz to 6500 MHz)

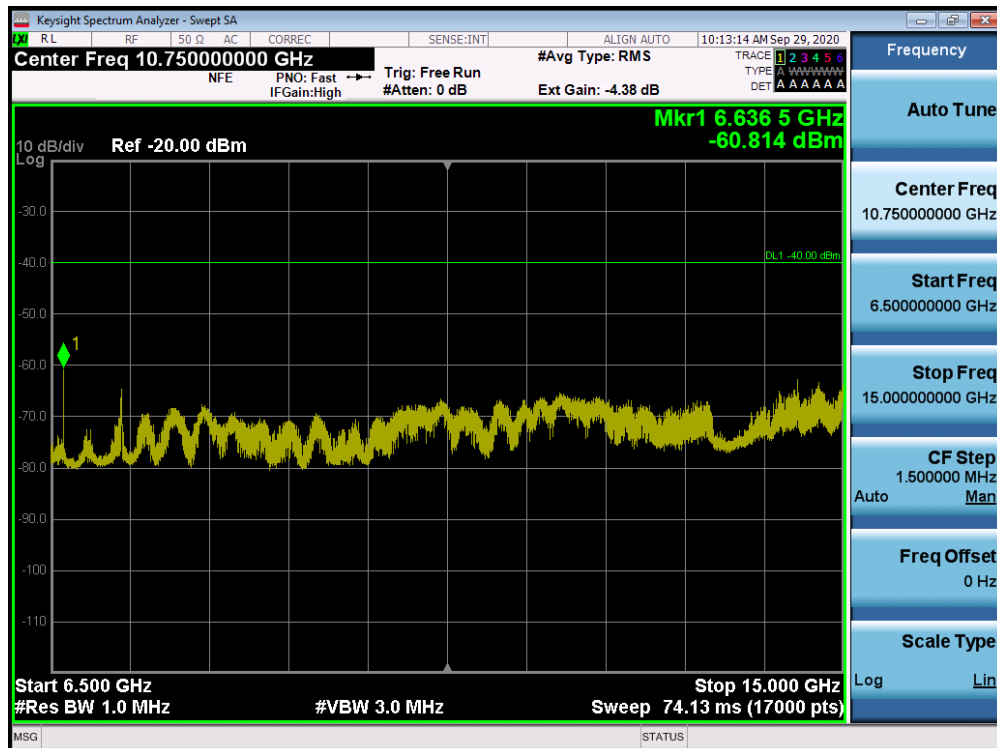


Plot 7-87. Conducted Spurious Emission Plot (10 MHz BW, Middle Channel, Port 1, 3720 MHz to 6500 MHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 83 of 143

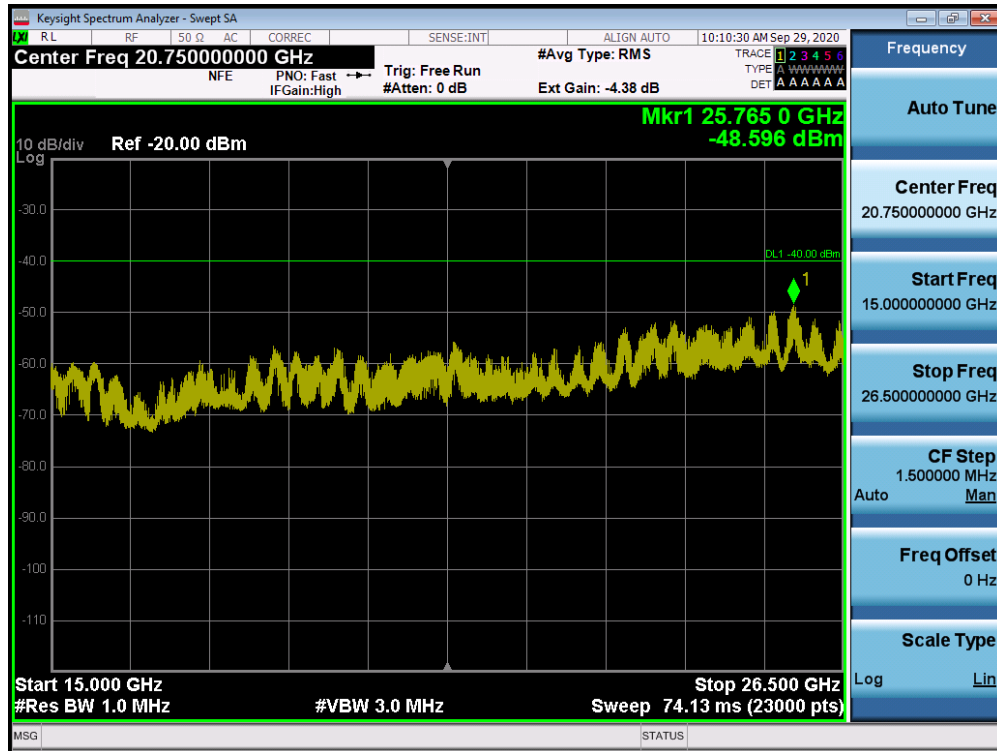


Plot 7-88. Conducted Spurious Emission Plot (10 MHz BW, Middle Channel, Port 0, 6.5 GHz to 15 GHz)

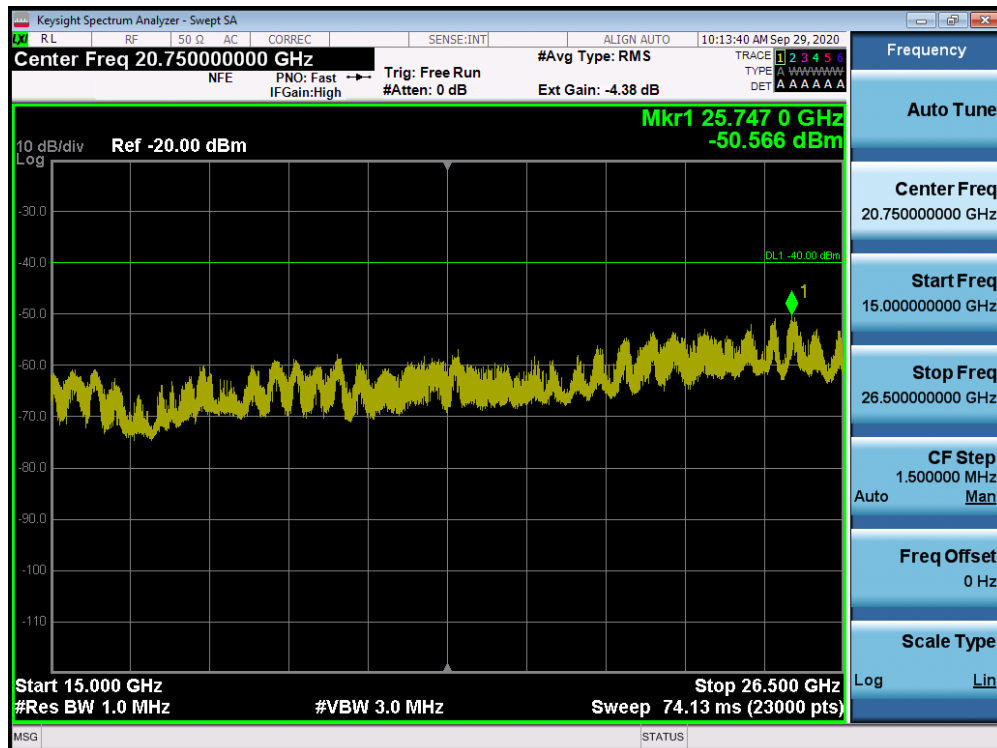


Plot 7-89. Conducted Spurious Emission Plot (10 MHz BW, Middle Channel, Port 1, 6.5 GHz to 15 GHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 84 of 143

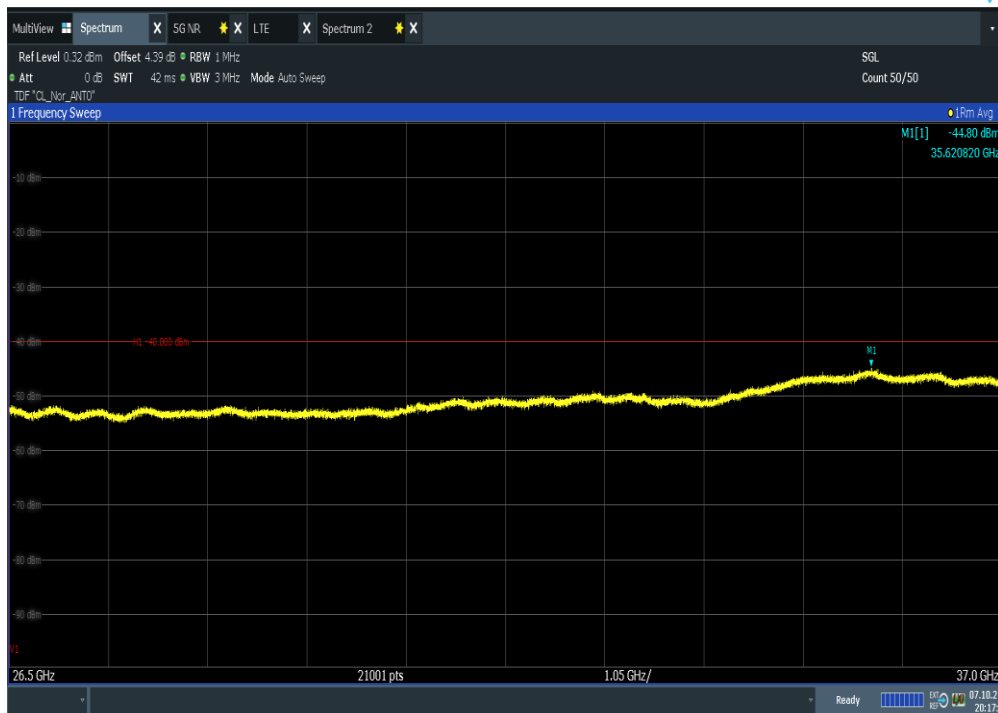


Plot 7-90. Conducted Spurious Emission Plot (10 MHz BW, Middle Channel, Port 0, 15 GHz to 26.5 GHz)

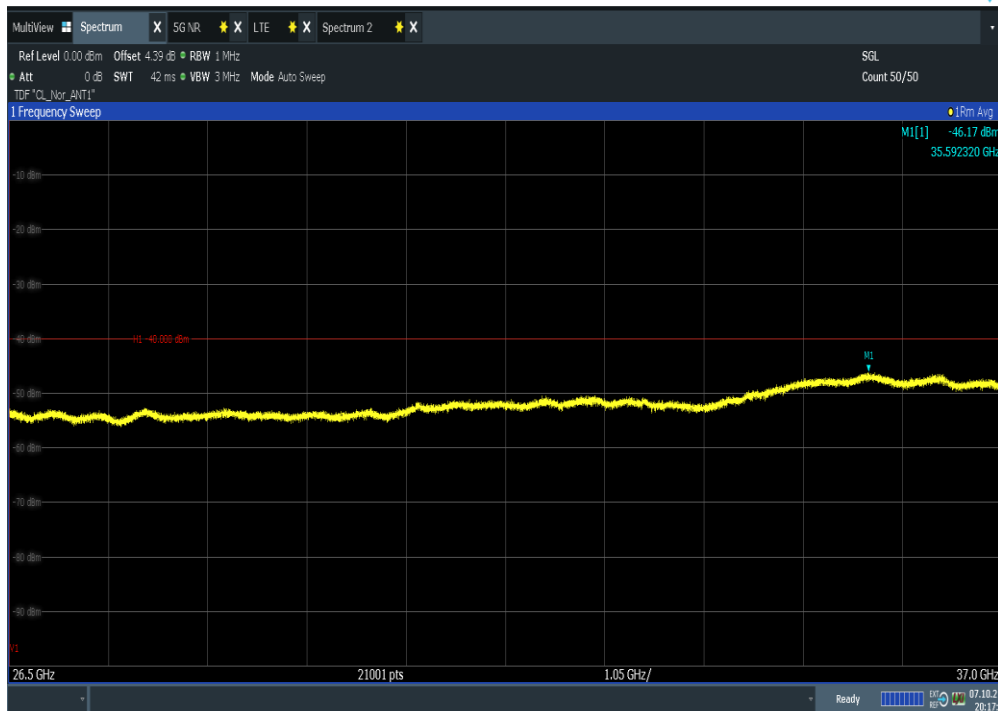


Plot 7-91. Conducted Spurious Emission Plot (10 MHz BW, Middle Channel, Port 1, 15 GHz to 26.5 GHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 85 of 143

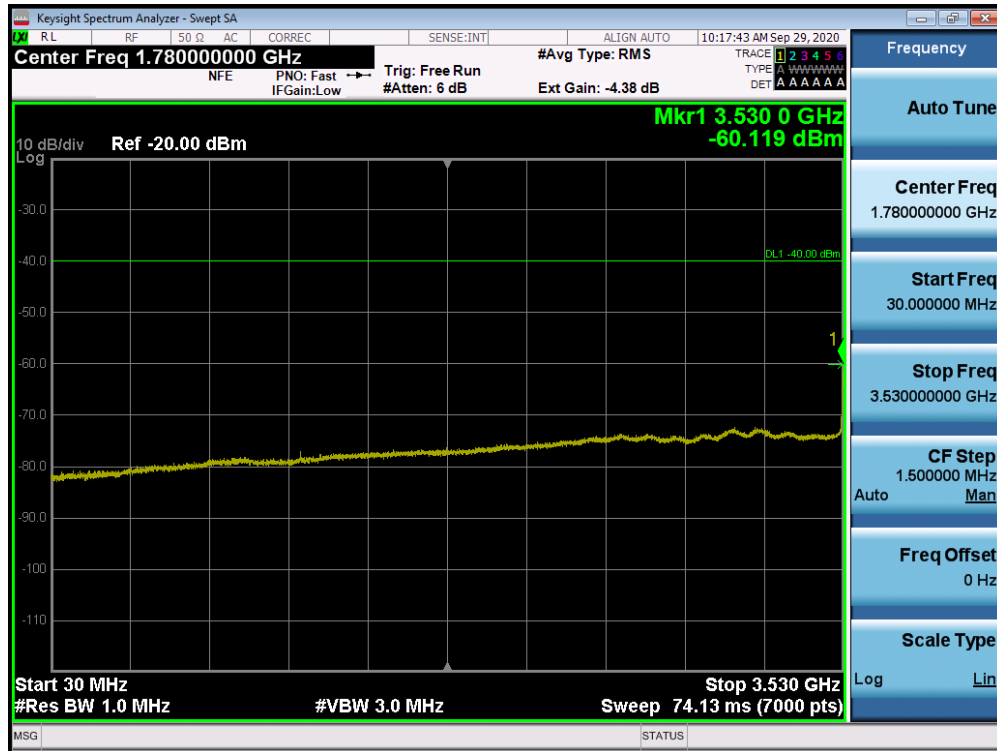


Plot 7-92. Conducted Spurious Emission Plot (10 MHz BW, Middle Channel, Port 0, 26.5 GHz to 37 GHz)

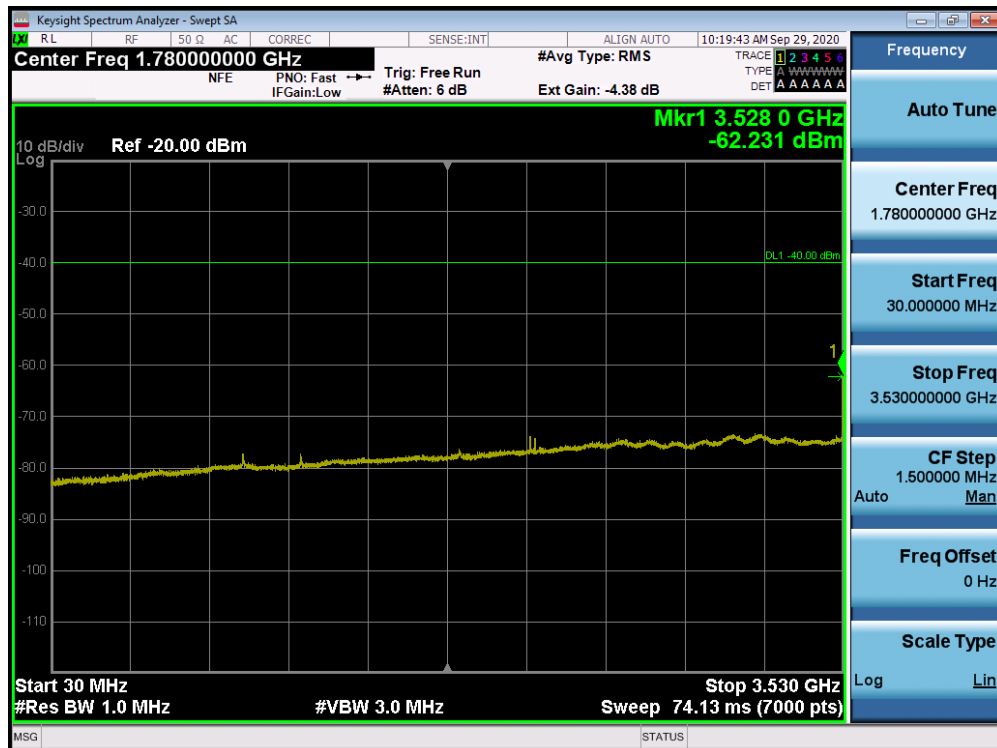


Plot 7-93. Conducted Spurious Emission Plot (10 MHz BW, Middle Channel, Port 1, 26.5 GHz to 37 GHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 86 of 143

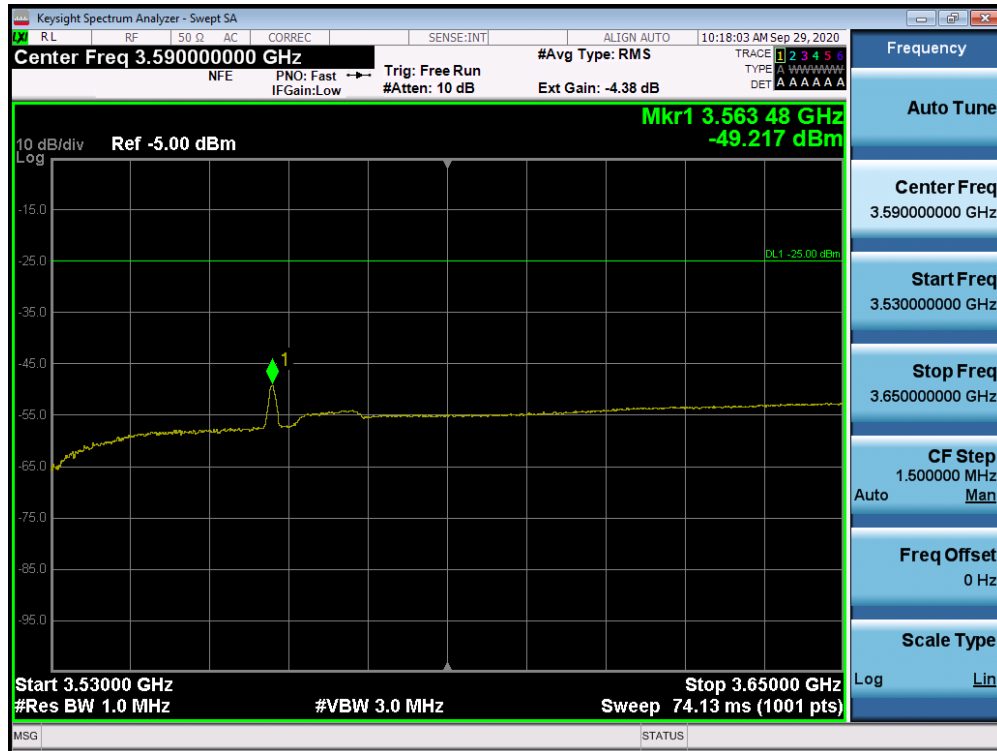


Plot 7-94. Conducted Spurious Emission Plot (10 MHz BW, High Channel, Port 0, 30 MHz to 3530 MHz)

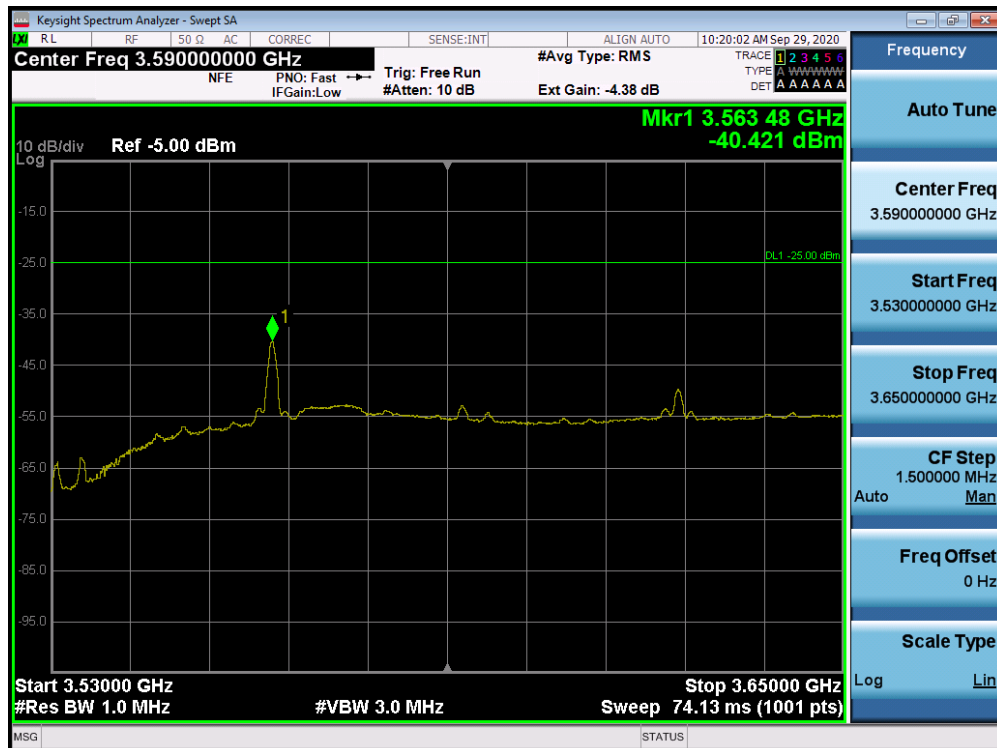


Plot 7-95. Conducted Spurious Emission Plot (10 MHz BW, High Channel, Port 1, 30 MHz to 3530 MHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 87 of 143

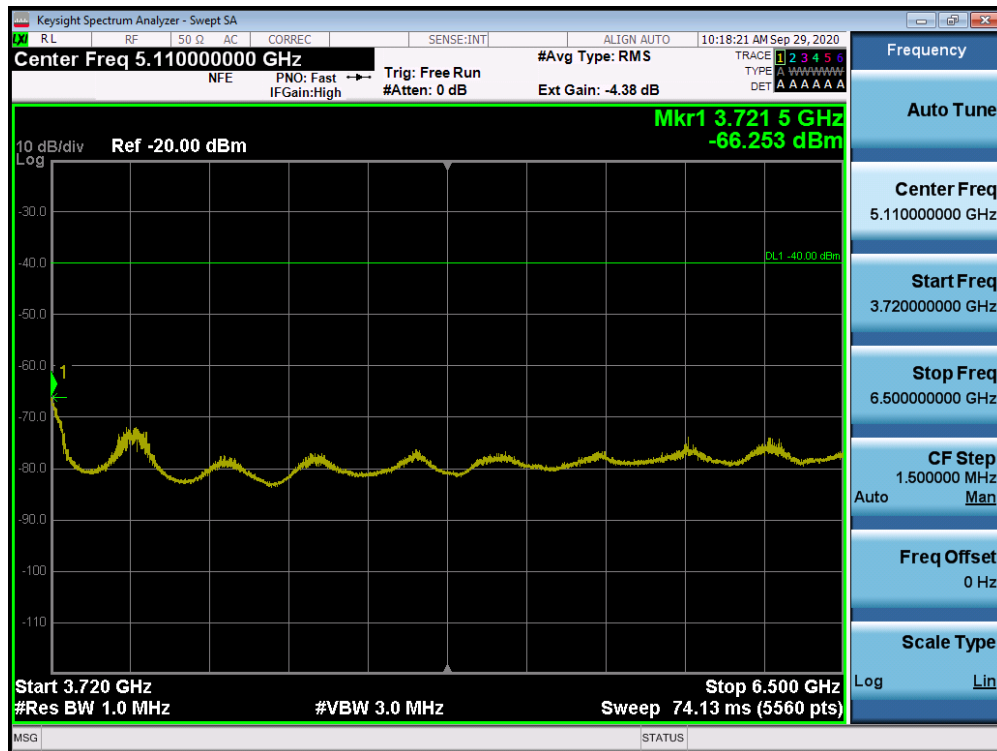


Plot 7-96. Conducted Spurious Emission Plot (10 MHz BW, High Channel, Port 0, 3530 MHz to 3650 MHz)

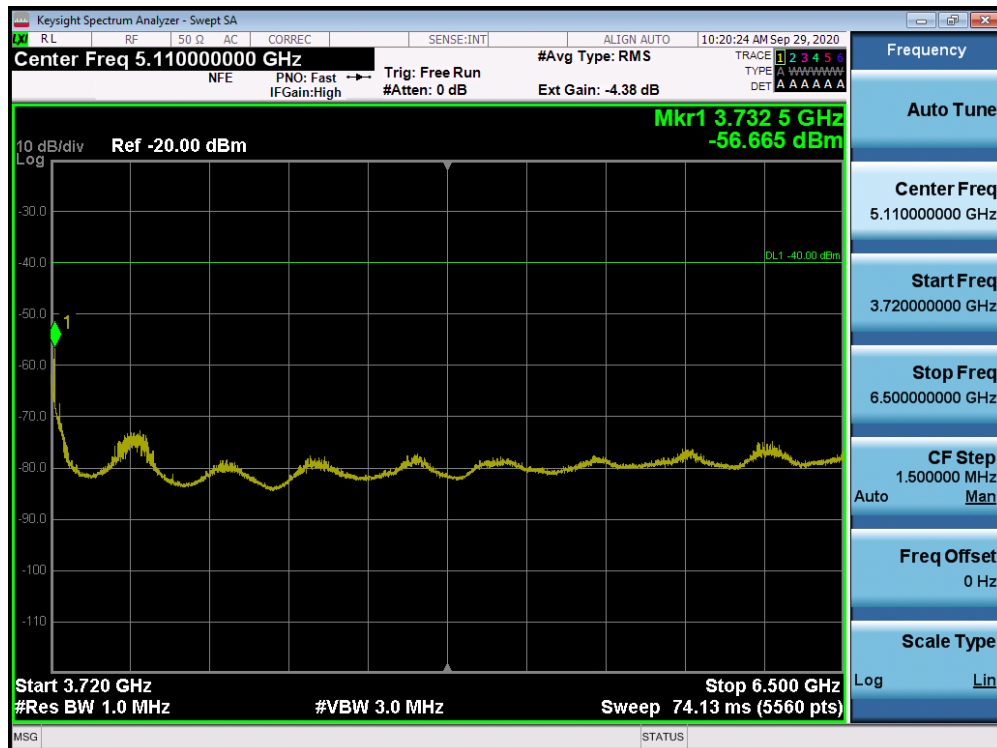


Plot 7-97. Conducted Spurious Emission Plot (10 MHz BW, High Channel, Port 1, 3530 MHz to 3650 MHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 88 of 143

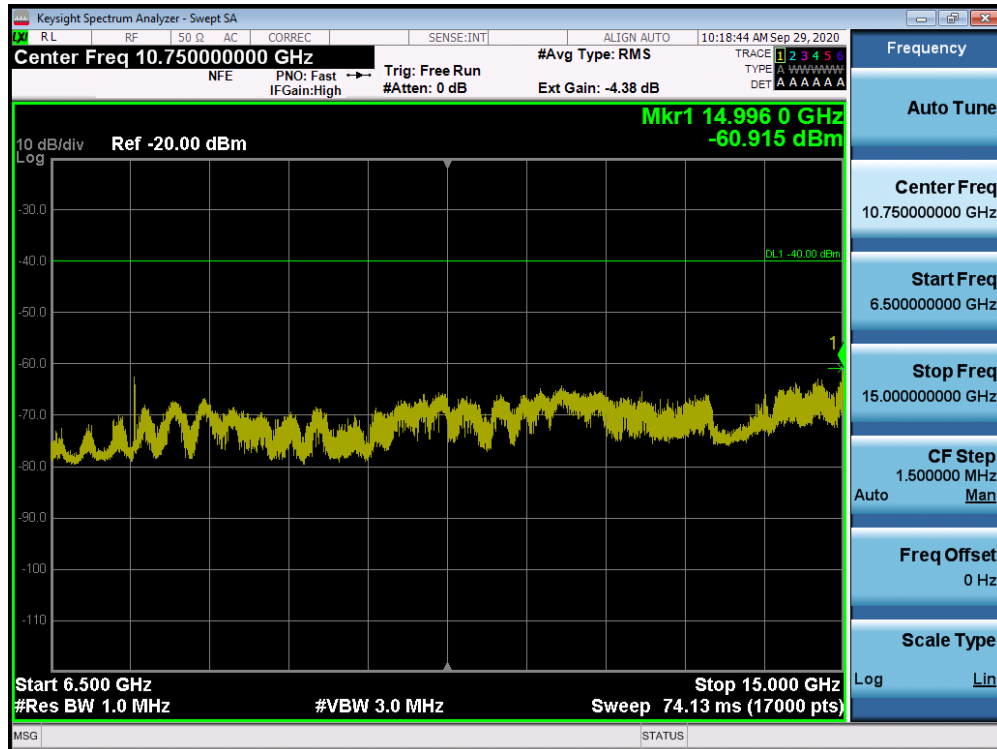


Plot 7-98. Conducted Spurious Emission Plot (10 MHz BW, High Channel, Port 0, 3720 MHz to 6.5 GHz)

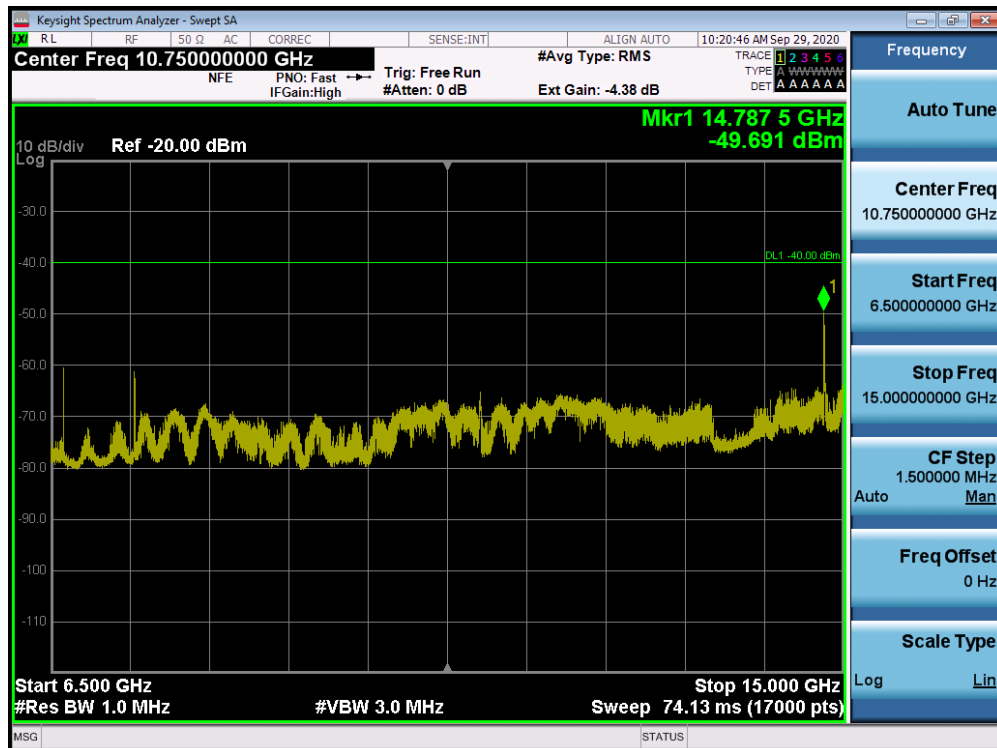


Plot 7-99. Conducted Spurious Emission Plot (10 MHz BW, High Channel, Port 1, 3720 MHz to 6.5 GHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 89 of 143

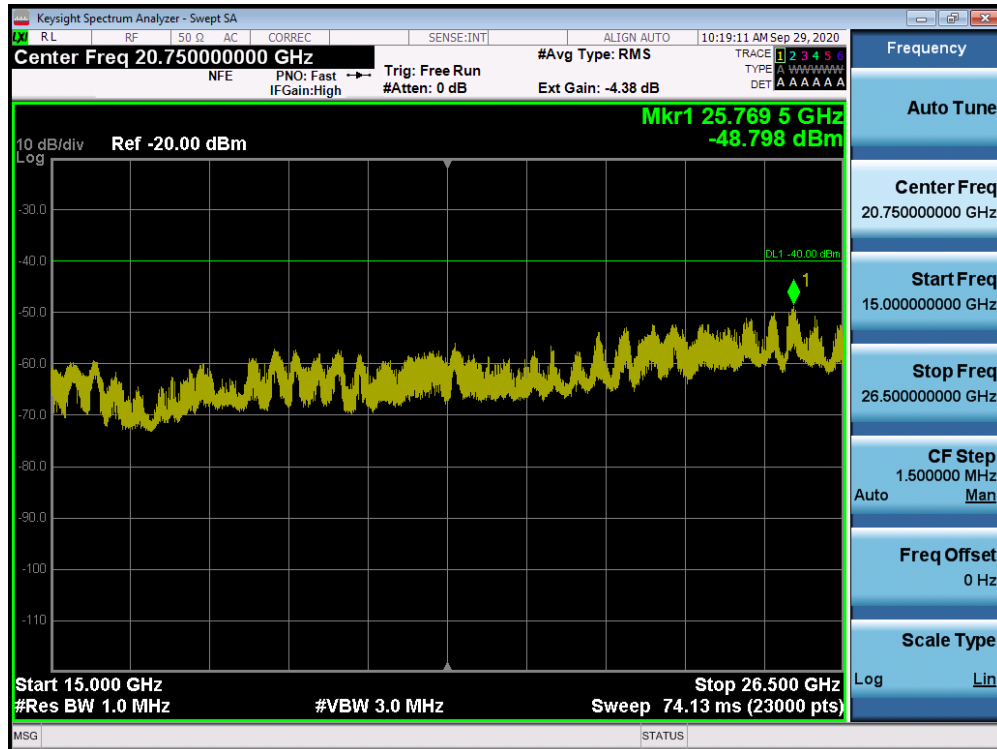


Plot 7-100. Conducted Spurious Emission Plot (10 MHz BW, High Channel, Port 0, 6.5 GHz to 15 GHz)

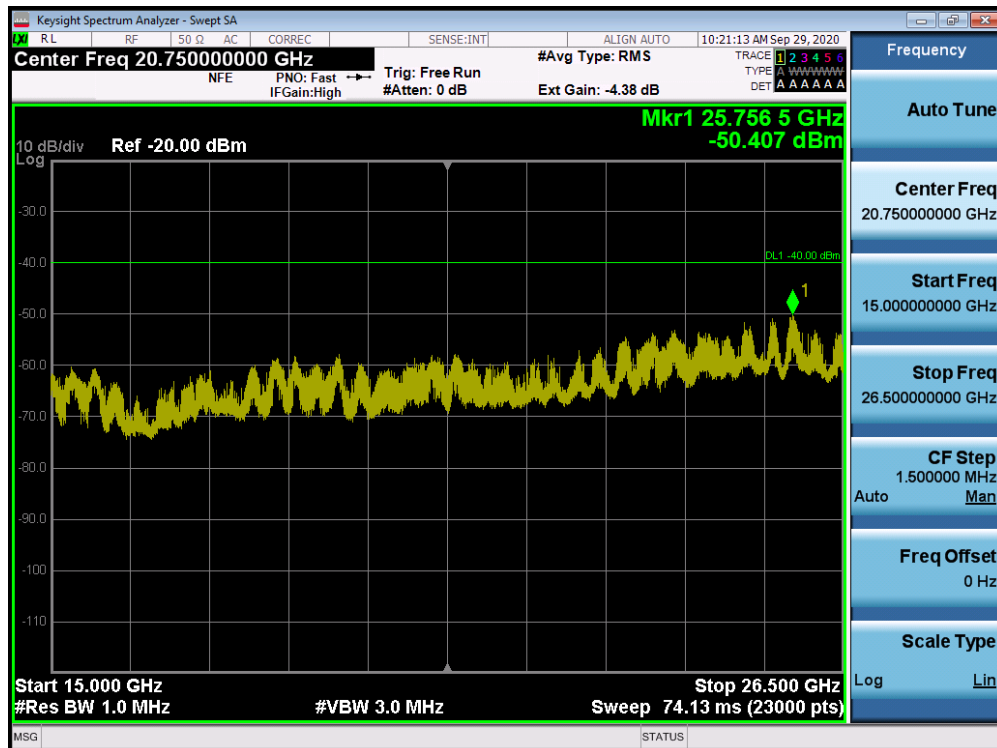


Plot 7-101. Conducted Spurious Emission Plot (10 MHz BW, High Channel, Port 1, 6.5 GHz to 15 GHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 90 of 143

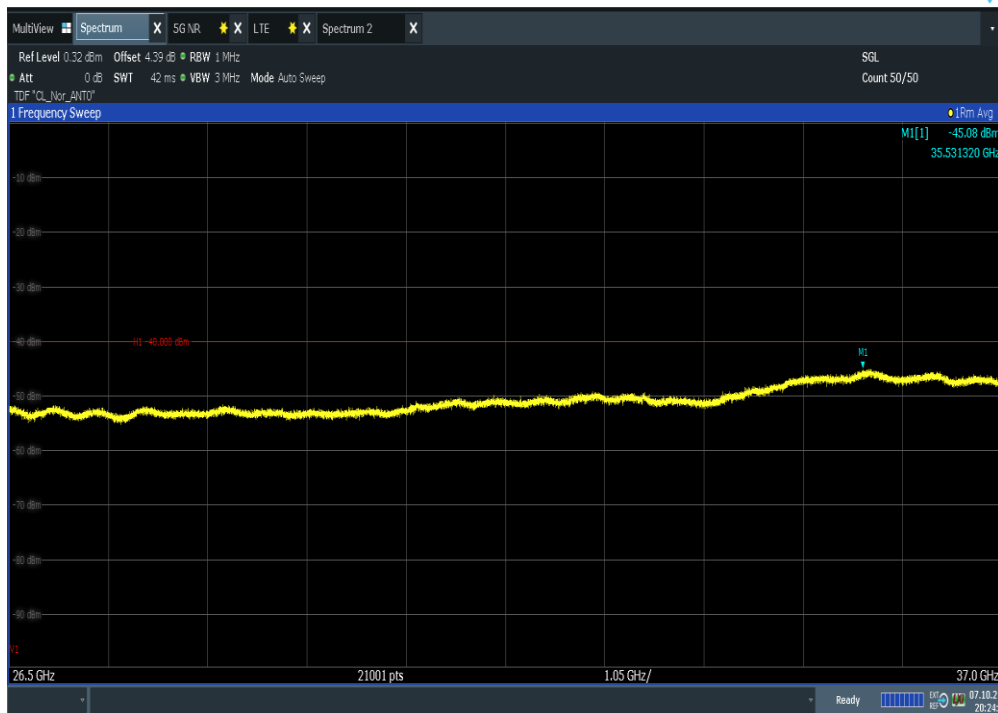


Plot 7-102. Conducted Spurious Emission Plot (10 MHz BW, High Channel, Port 0, 15 GHz to 26.5 GHz)

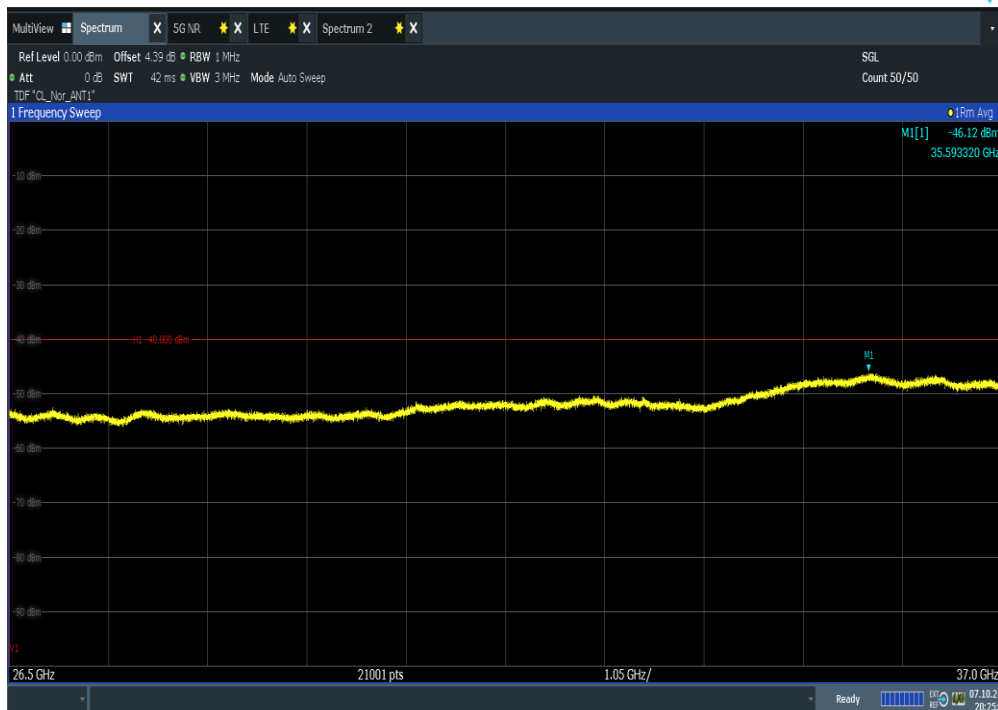


Plot 7-103. Conducted Spurious Emission Plot (10 MHz BW, High Channel, Port 1, 15 GHz to 26.5 GHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 91 of 143

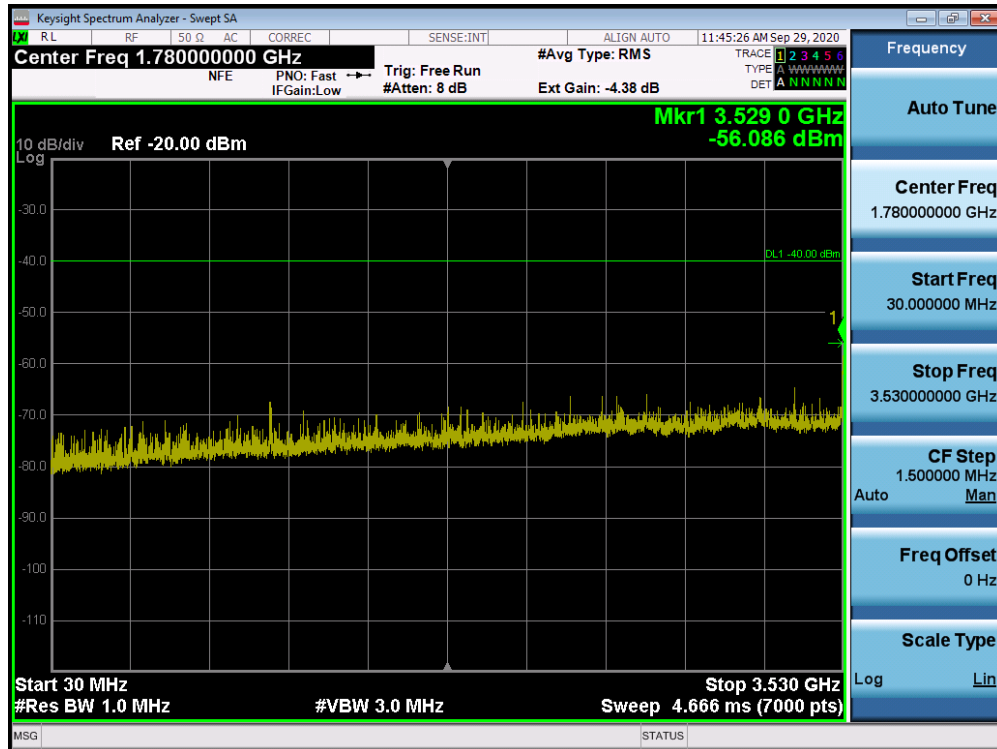


Plot 7-104. Conducted Spurious Emission Plot (10 MHz BW, High Channel, Port 0, 26.5 GHz to 37 GHz)

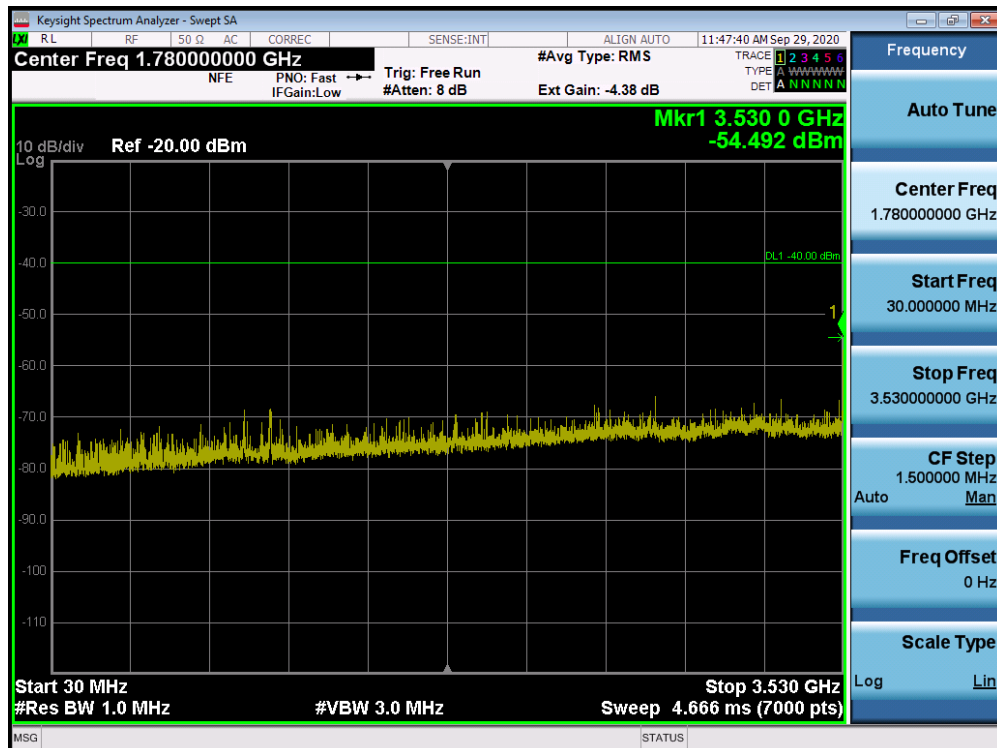


Plot 7-105. Conducted Spurious Emission Plot (10 MHz BW, High Channel, Port 1, 26.5 GHz to 37 GHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 92 of 143

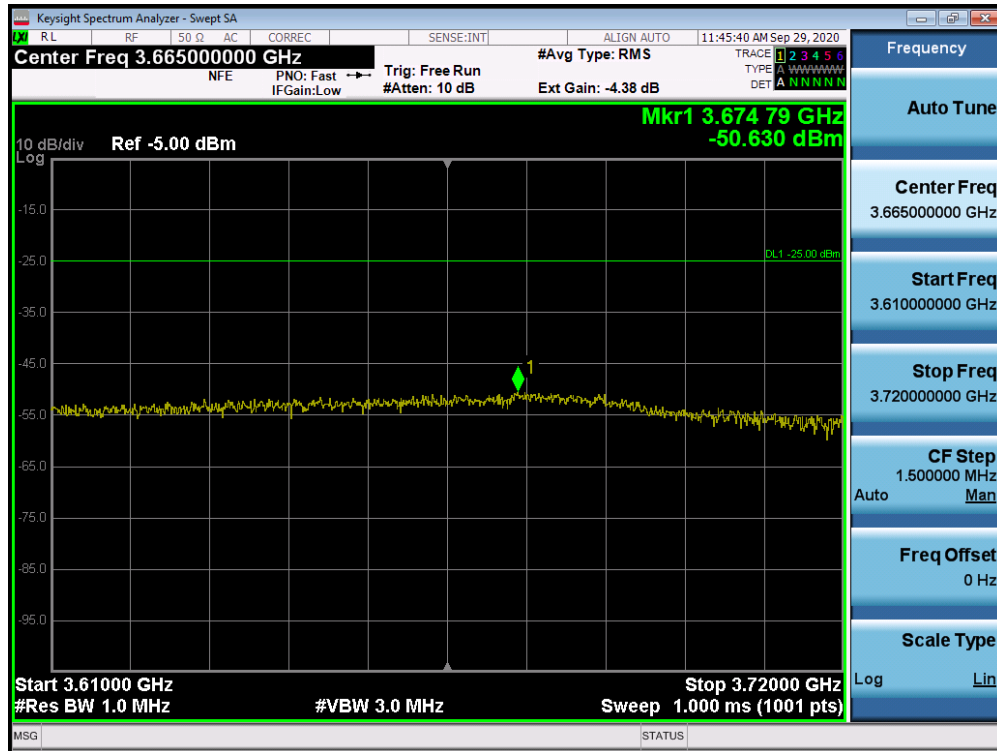


Plot 7-106. Conducted Spurious Emission Plot (20 MHz BW, Low Channel, Port 0, 30 MHz to 3530 MHz)

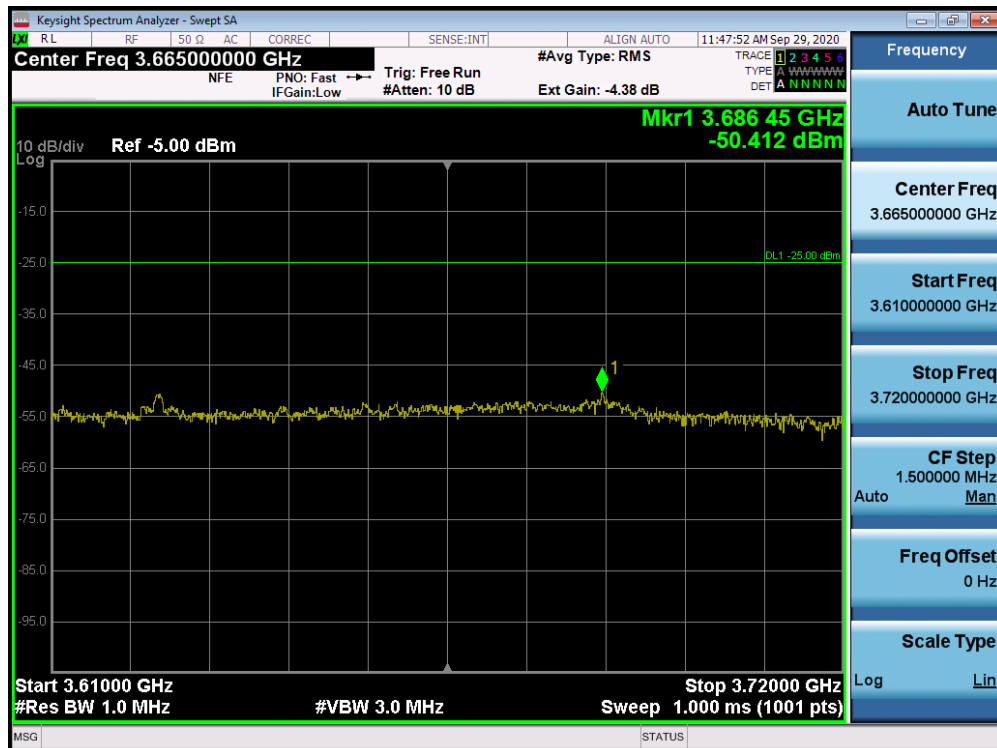


Plot 7-107. Conducted Spurious Emission Plot (20 MHz BW, Low Channel, Port 1, 30 MHz to 3530 MHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 93 of 143

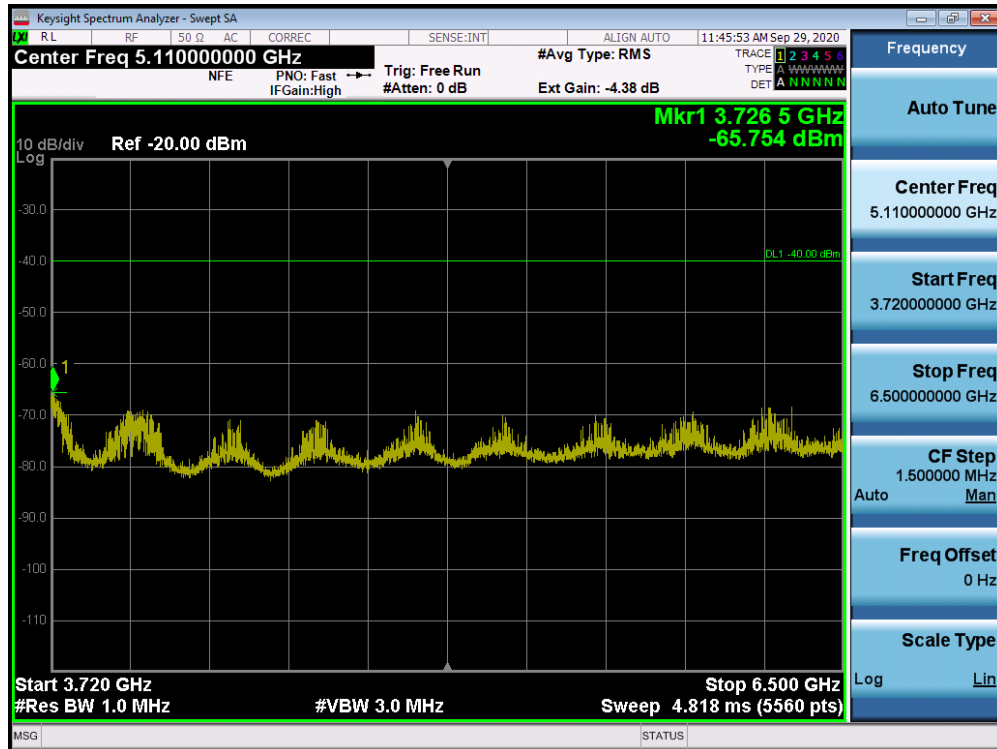


Plot 7-108. Conducted Spurious Emission Plot (20 MHz BW, Low Channel, Port 0, 3610 MHz to 3720 MHz)

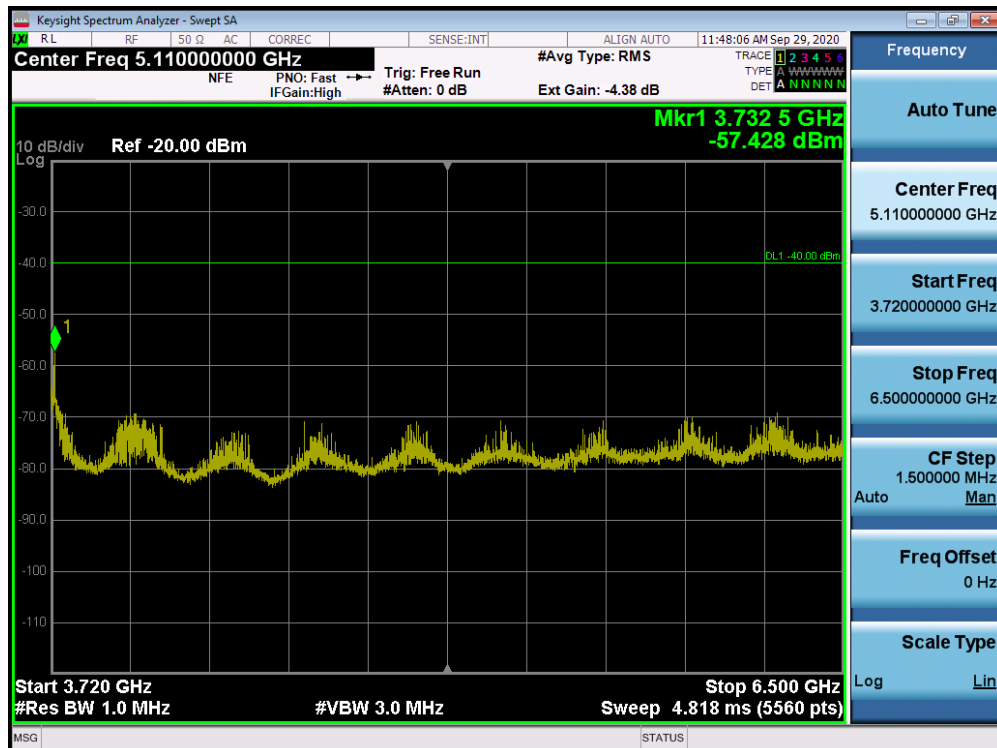


Plot 7-109. Conducted Spurious Emission Plot (20 MHz BW, Low Channel, Port 1, 3610 MHz to 3720 MHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 94 of 143

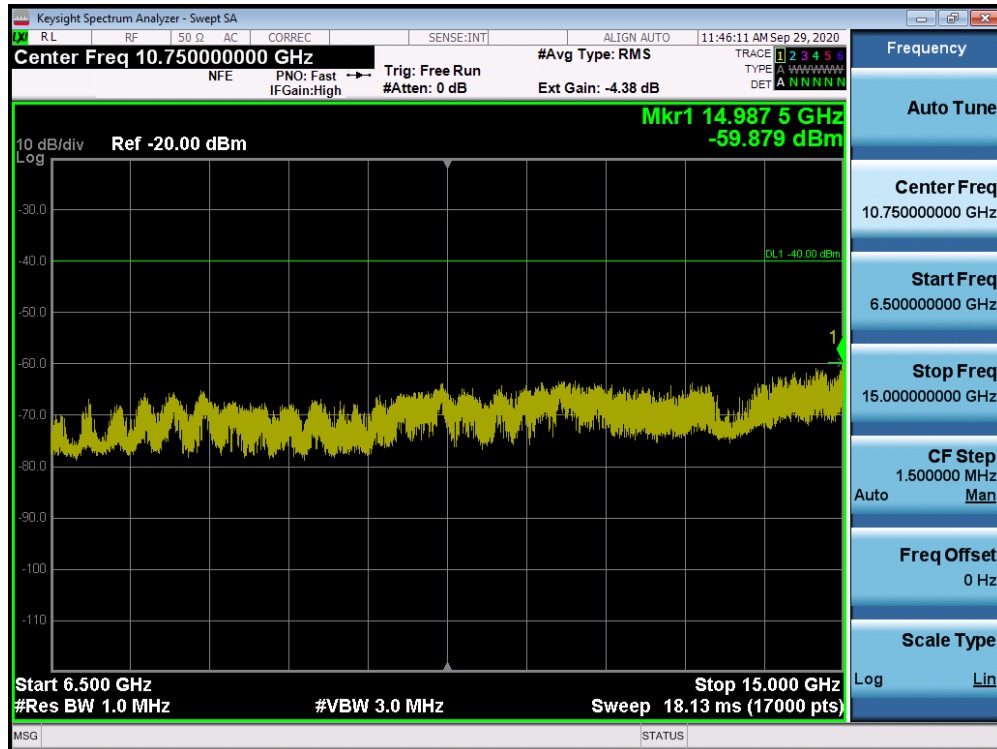


Plot 7-110. Conducted Spurious Emission Plot (20 MHz BW, Low Channel, Port 0, 3720 MHz to 6.5 GHz)

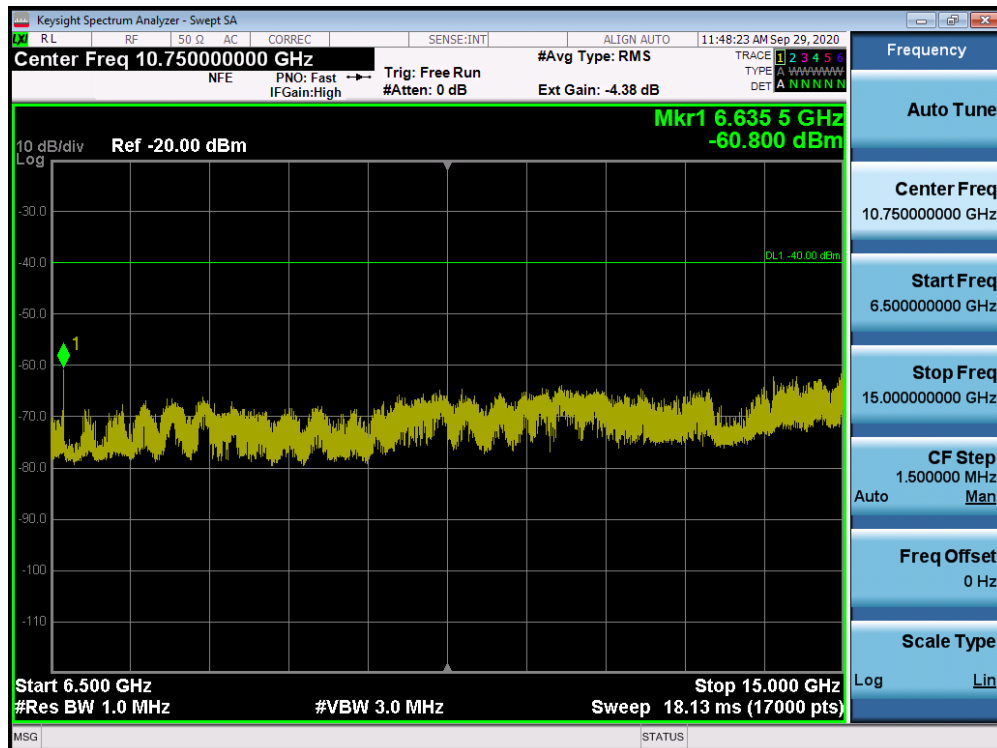


Plot 7-111. Conducted Spurious Emission Plot (20 MHz BW, Low Channel, Port 1, 3720 MHz to 6.5 GHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 95 of 143

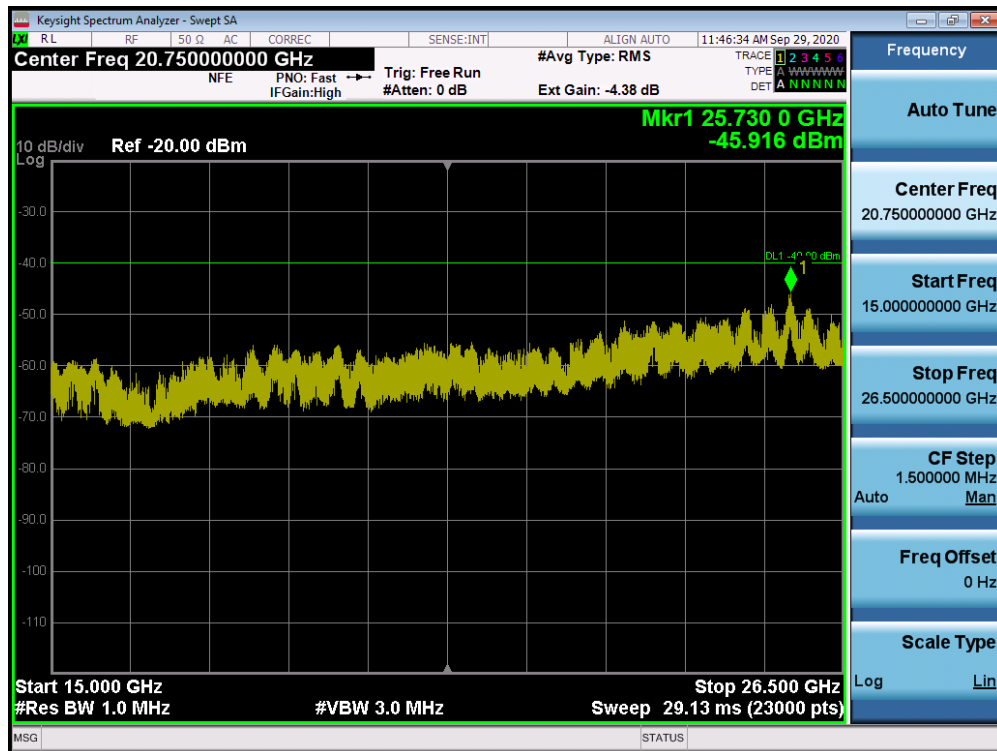


Plot 7-112. Conducted Spurious Emission Plot (20 MHz BW, Low Channel, Port 0, 6.5 GHz to 15 GHz)

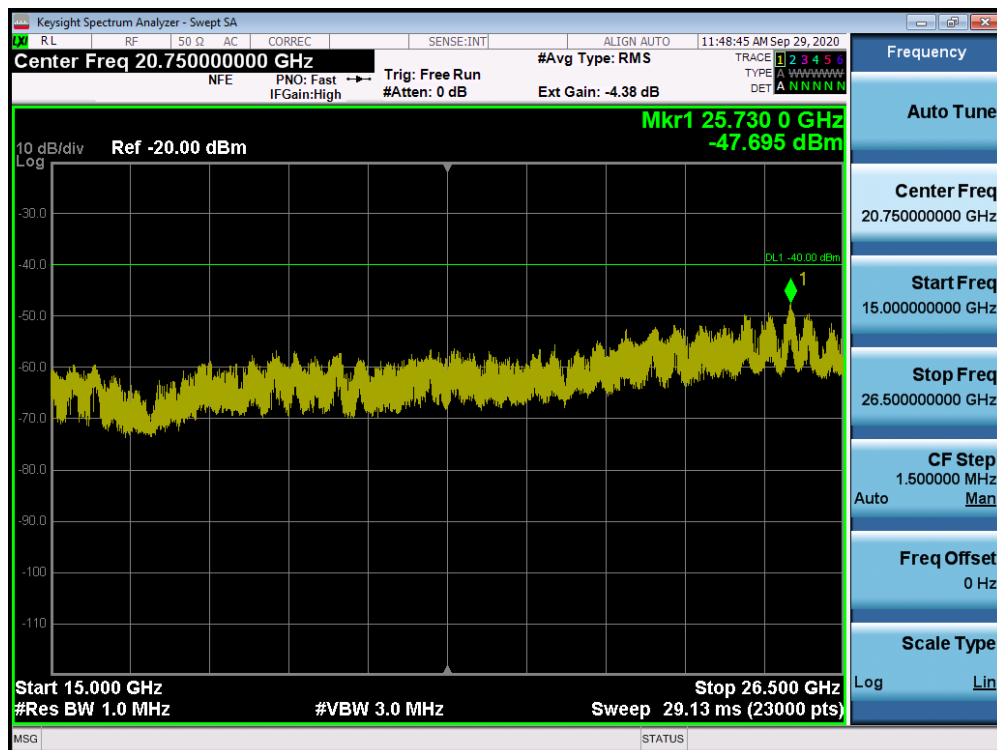


Plot 7-113. Conducted Spurious Emission Plot (20 MHz BW, Low Channel, Port 1, 6.5 GHz to 15 GHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 96 of 143

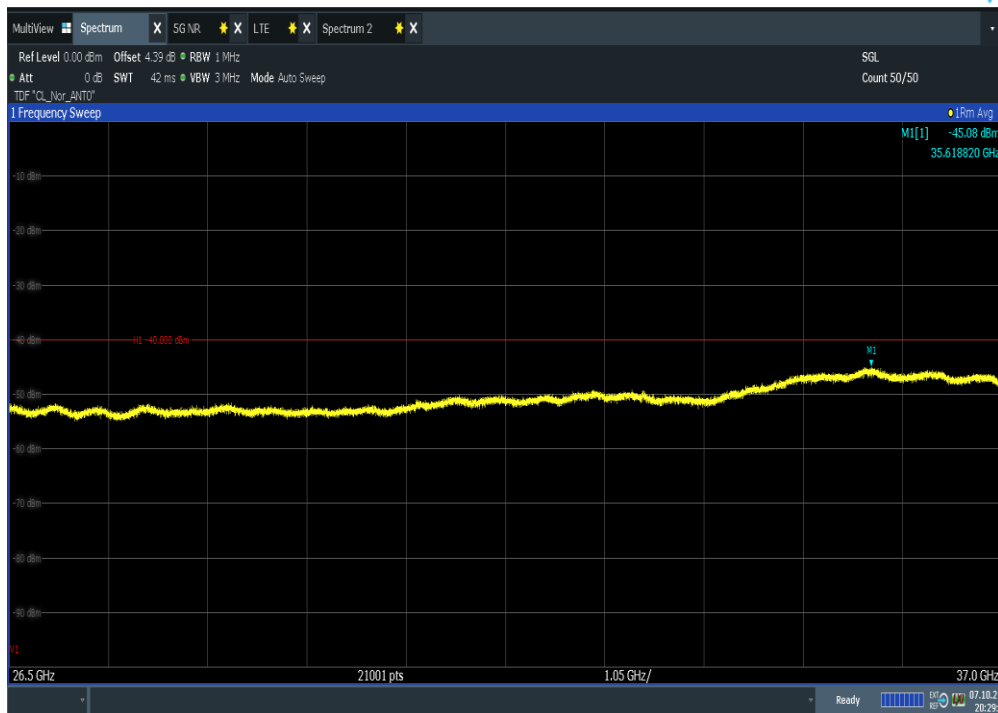


Plot 7-114. Conducted Spurious Emission Plot (20 MHz BW, Low Channel, Port 0, 15 GHz to 26.5 GHz)

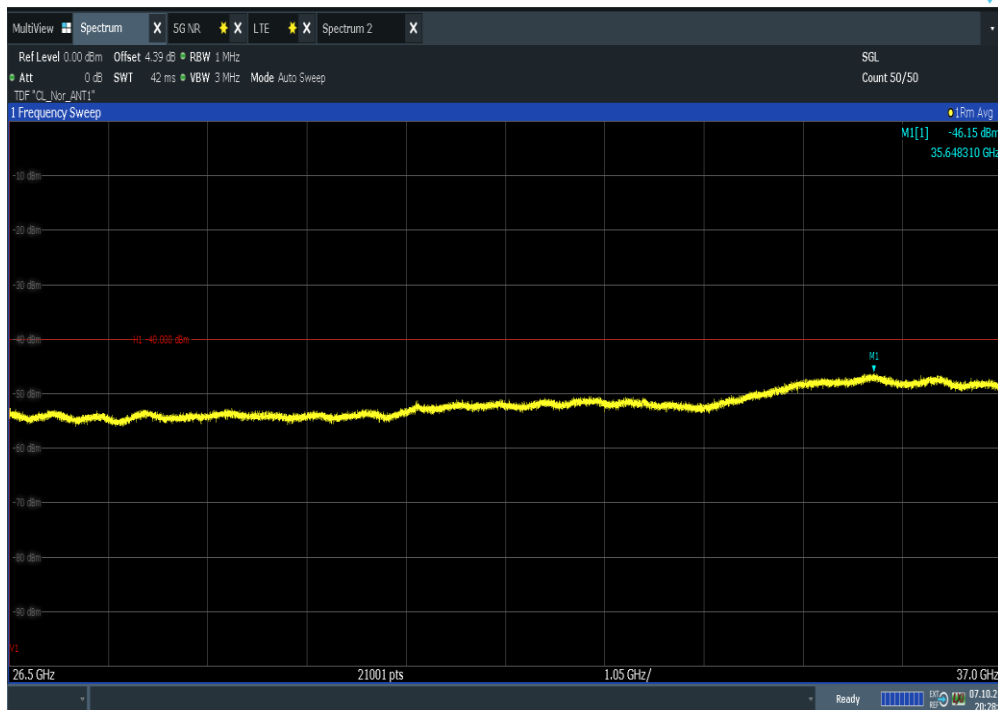


Plot 7-115. Conducted Spurious Emission Plot (20 MHz BW, Low Channel, Port 1, 15 GHz to 26.5 GHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 97 of 143

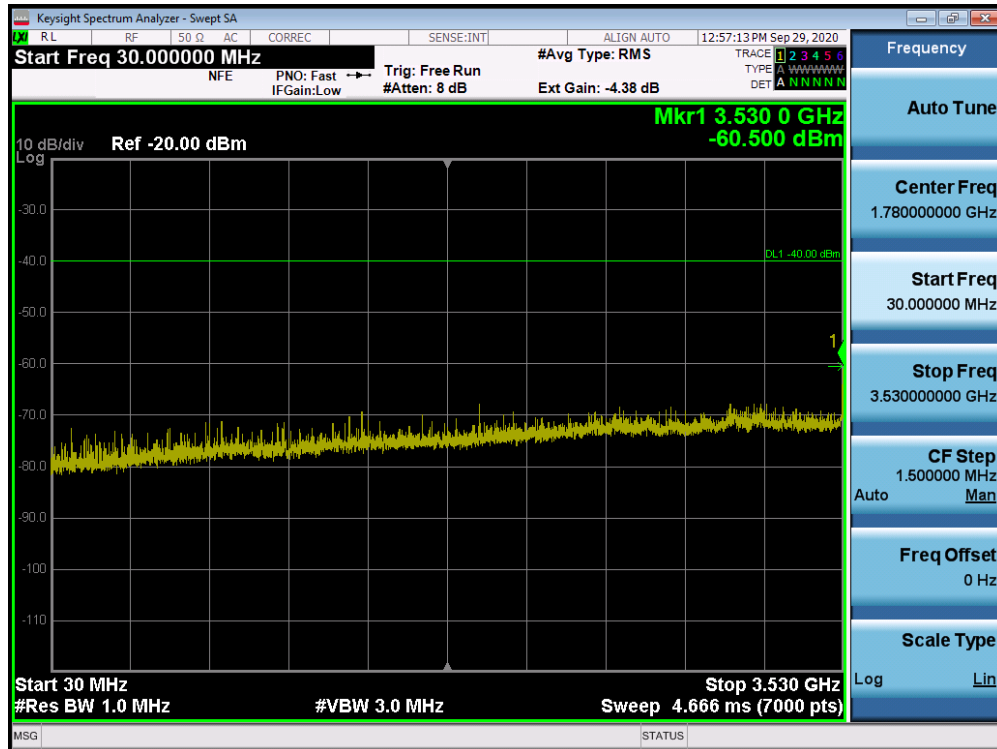


Plot 7-116. Conducted Spurious Emission Plot (20 MHz BW, Low Channel, Port 0, 26.5 GHz to 37 GHz)

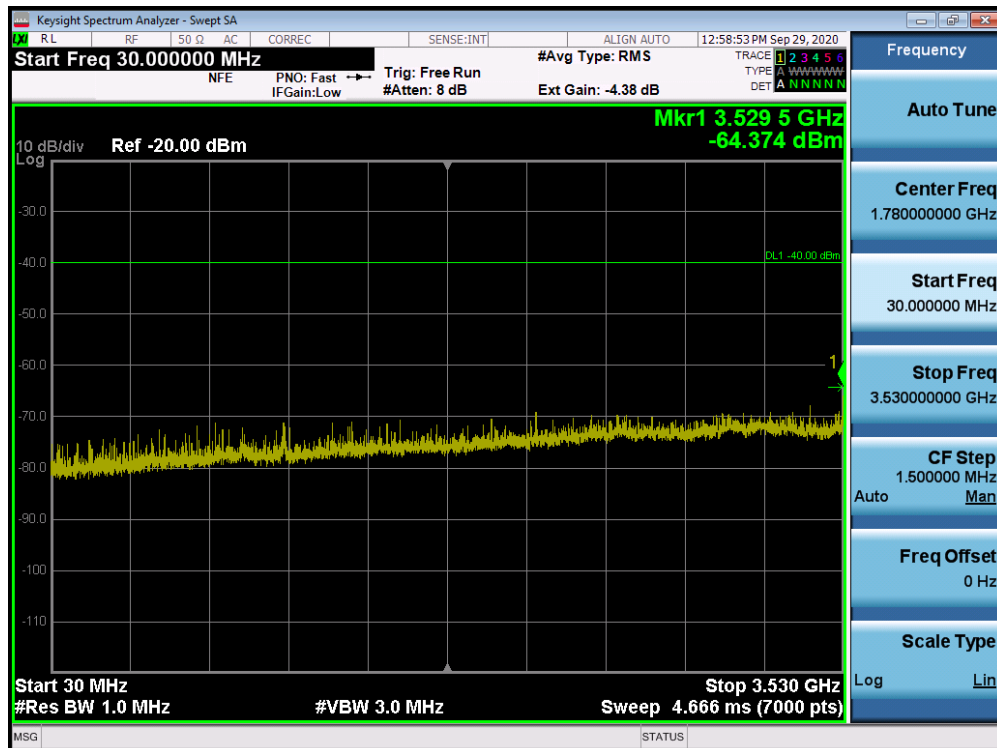


Plot 7-117. Conducted Spurious Emission Plot (20 MHz BW, Low Channel, Port 1, 26.5 GHz to 37 GHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 98 of 143

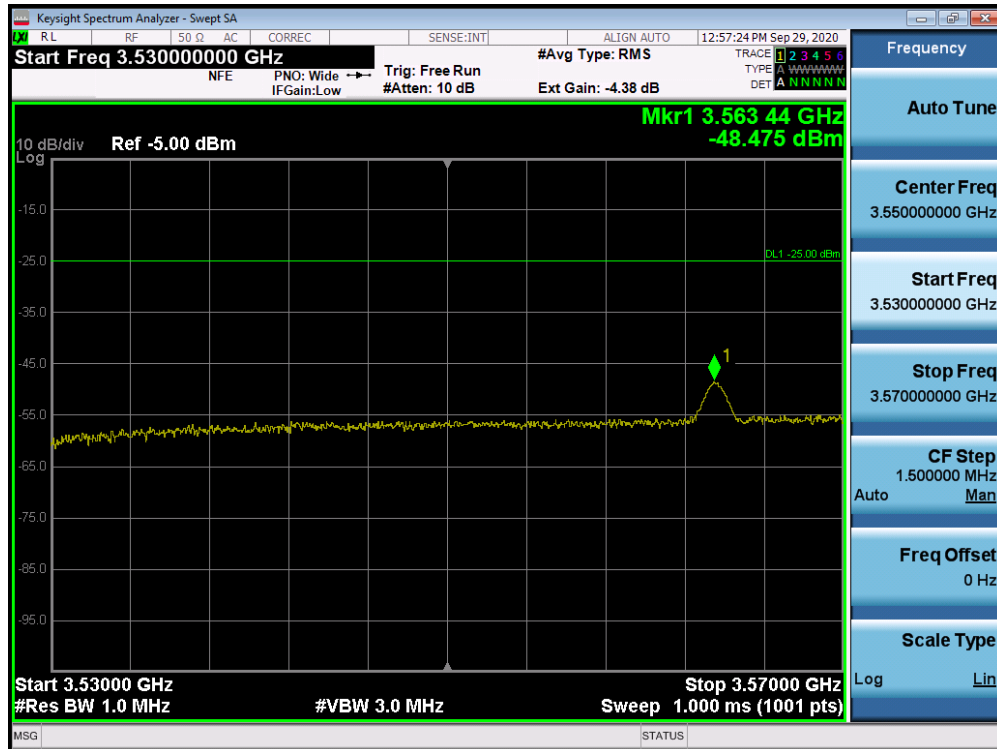


Plot 7-118. Conducted Spurious Emission Plot (20 MHz BW, Middle Channel, Port 0, 30 MHz to 3530 MHz)

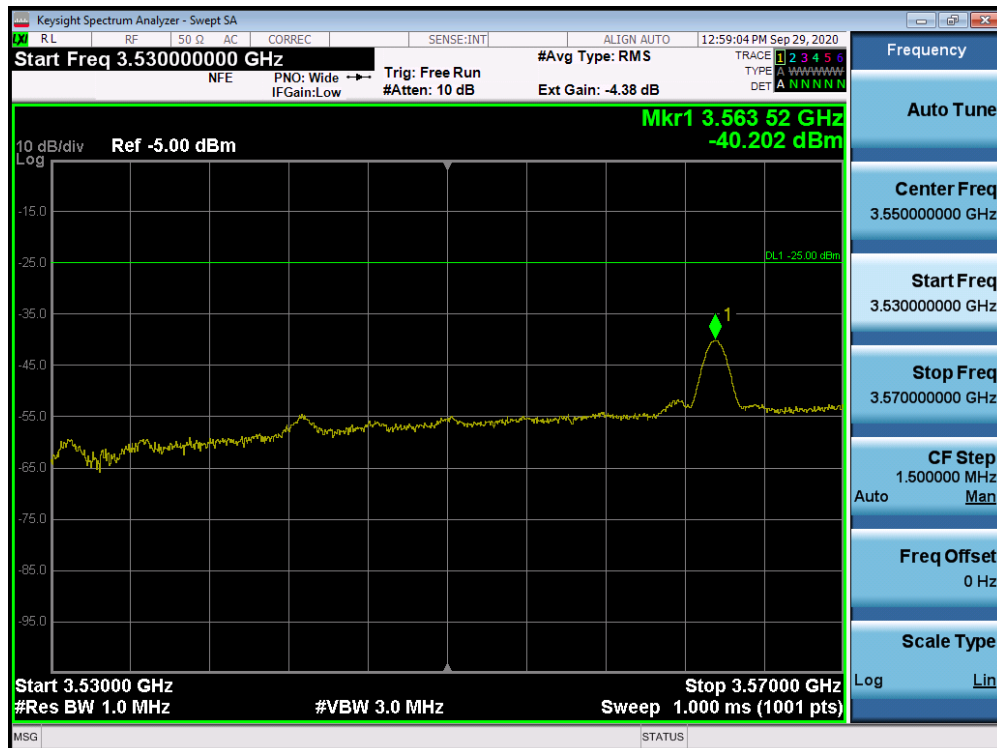


Plot 7-119. Conducted Spurious Emission Plot (20 MHz BW, Middle Channel, Port 1, 30 MHz to 3530 MHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 99 of 143

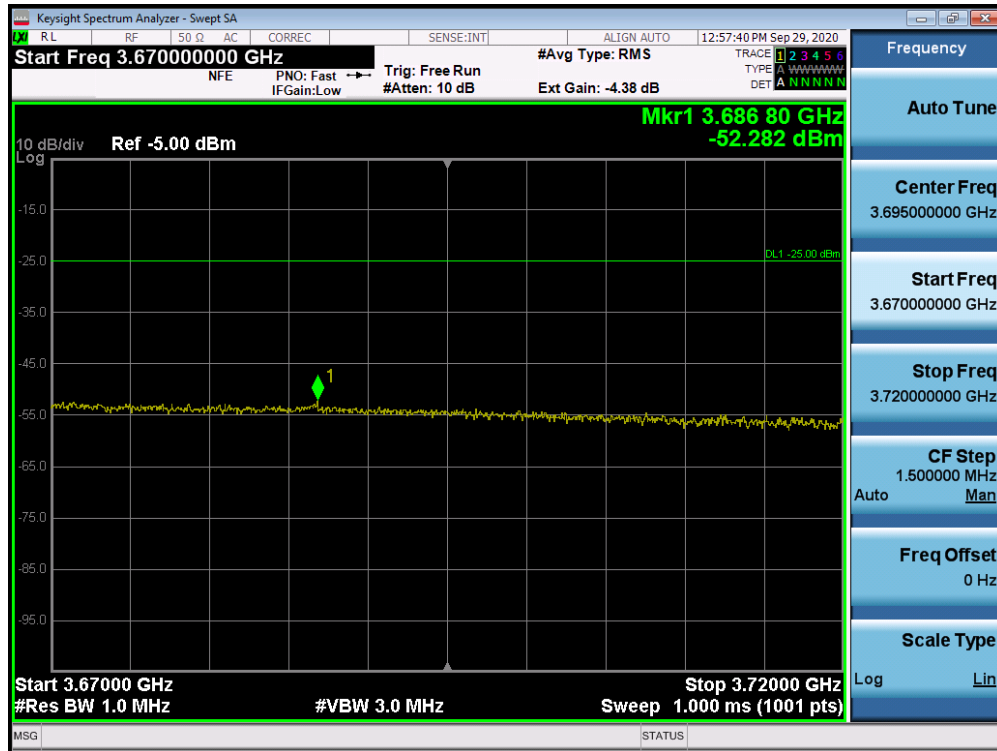


Plot 7-120. Conducted Spurious Emission Plot (20 MHz BW, Middle Channel, Port 0, 3530 MHz to 3570 MHz)

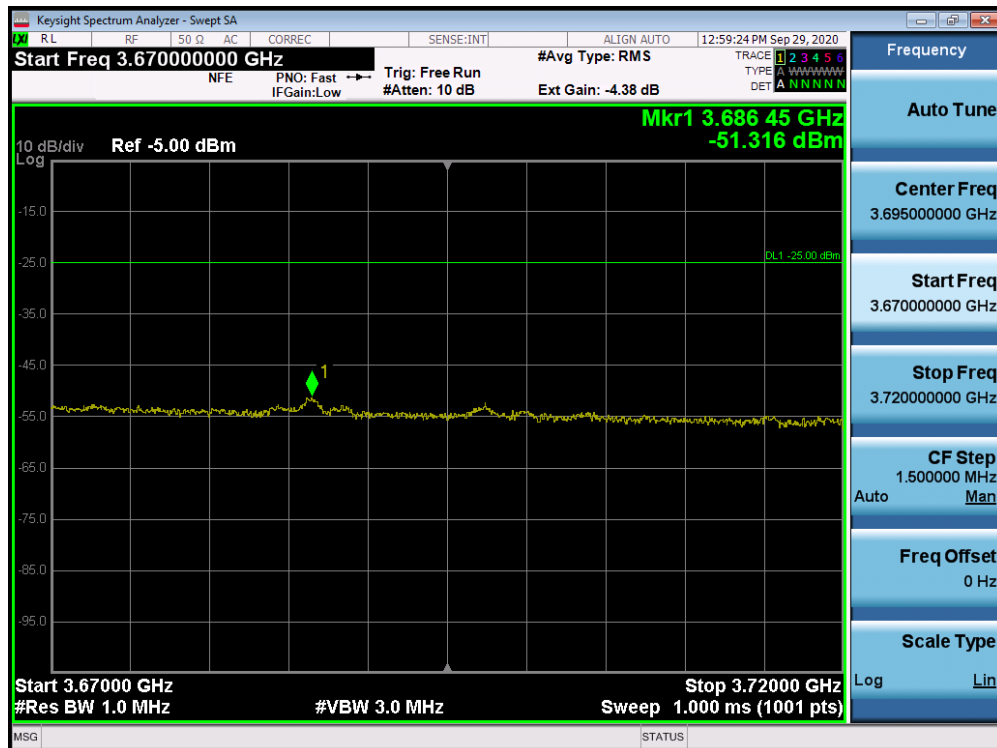


Plot 7-121. Conducted Spurious Emission Plot (20 MHz BW, Middle Channel, Port 1, 3530 MHz to 3570 MHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 100 of 143

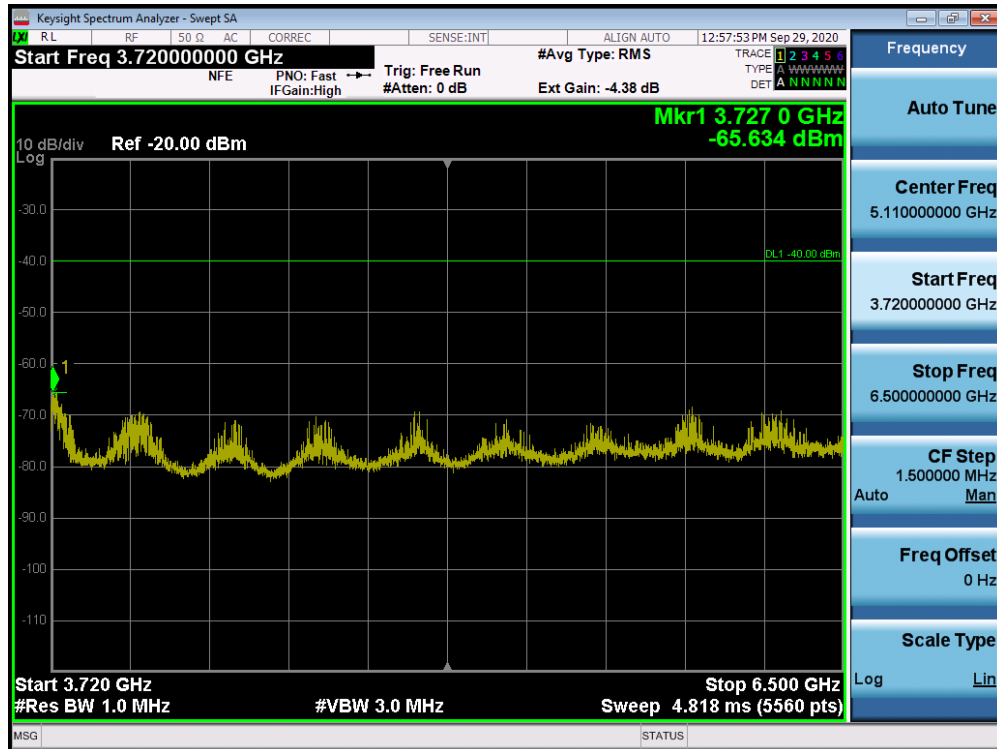


Plot 7-122. Conducted Spurious Emission Plot (20 MHz BW, Middle Channel, Port 0, 3670 MHz to 3720 MHz)

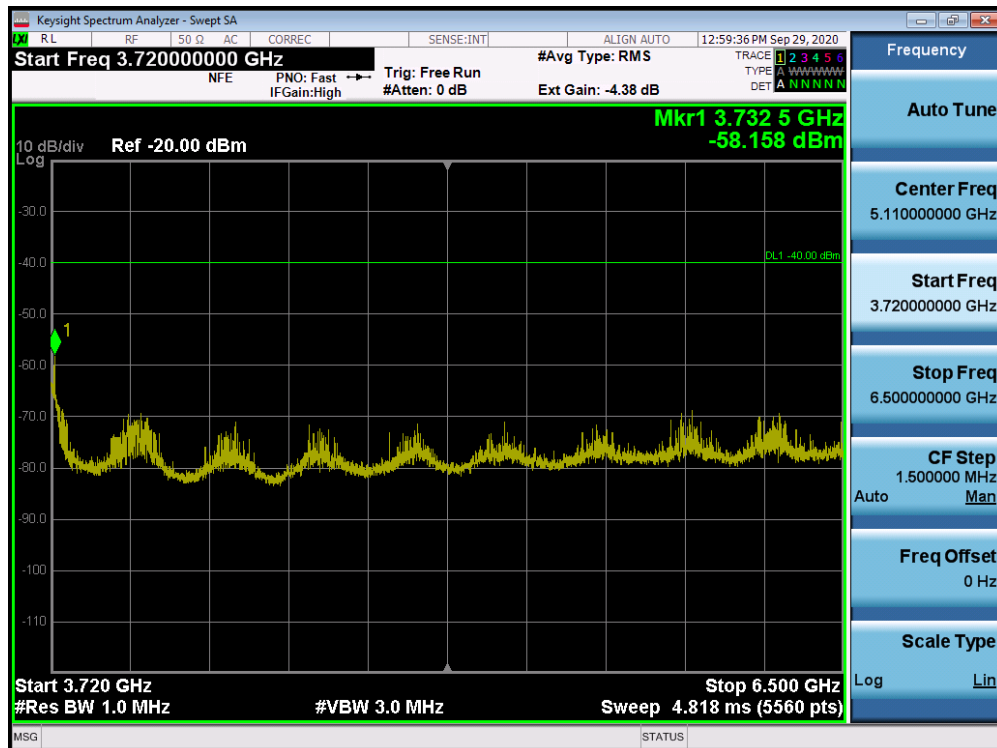


Plot 7-123. Conducted Spurious Emission Plot (20 MHz BW, Middle Channel, Port 1, 3670 MHz to 3720 MHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 101 of 143

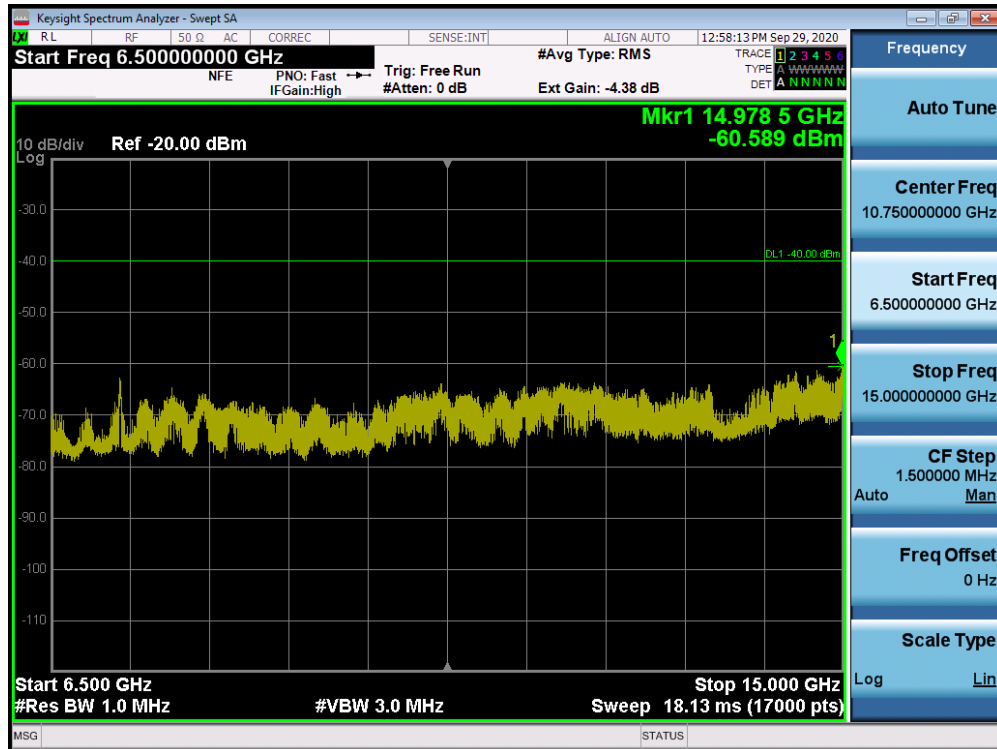


Plot 7-124. Conducted Spurious Emission Plot (20 MHz BW, Middle Channel, Port 0, 3720 MHz to 6500 MHz)

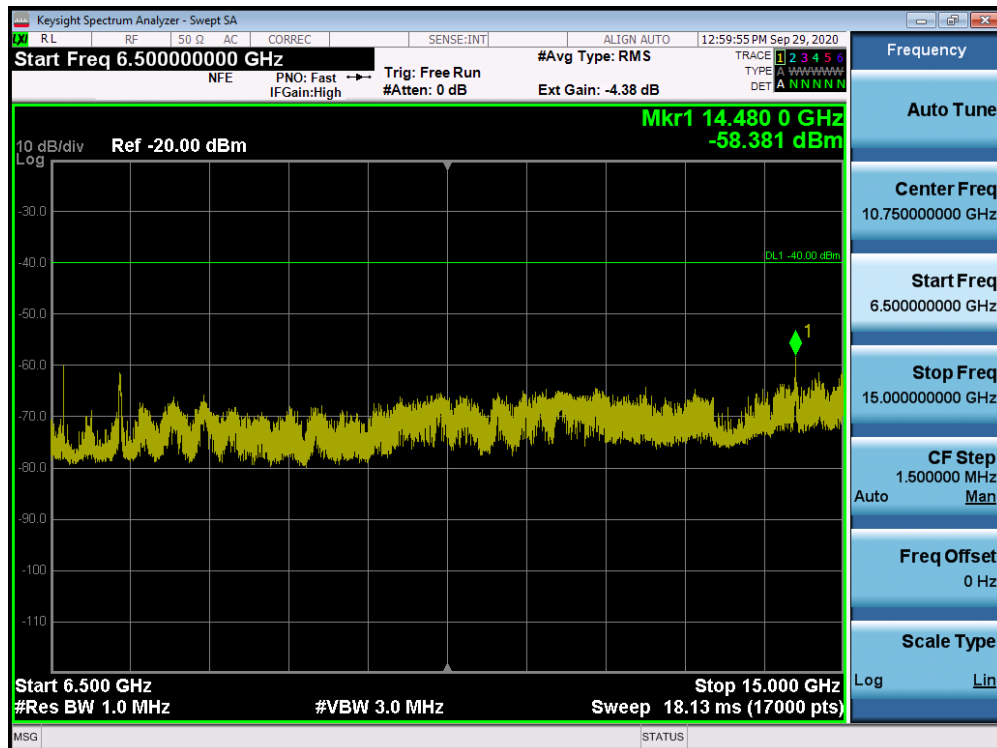


Plot 7-125. Conducted Spurious Emission Plot (20 MHz BW, Middle Channel, Port 1, 3720 MHz to 6500 MHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 102 of 143

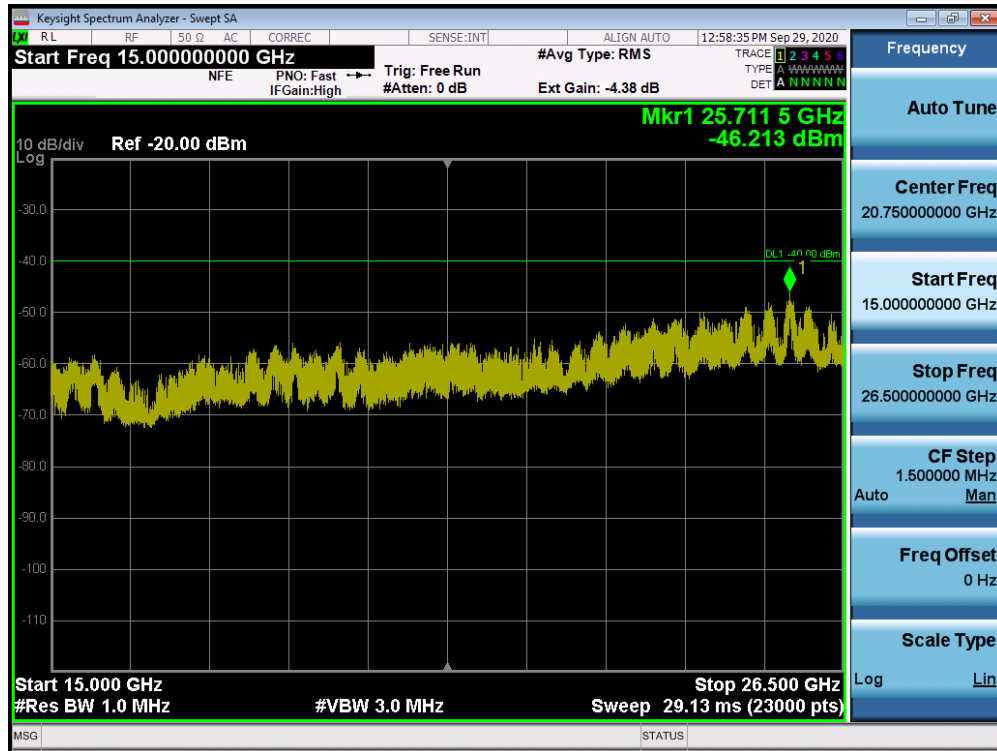


Plot 7-126. Conducted Spurious Emission Plot (20 MHz BW, Middle Channel, Port 0, 6.5 GHz to 15 GHz)

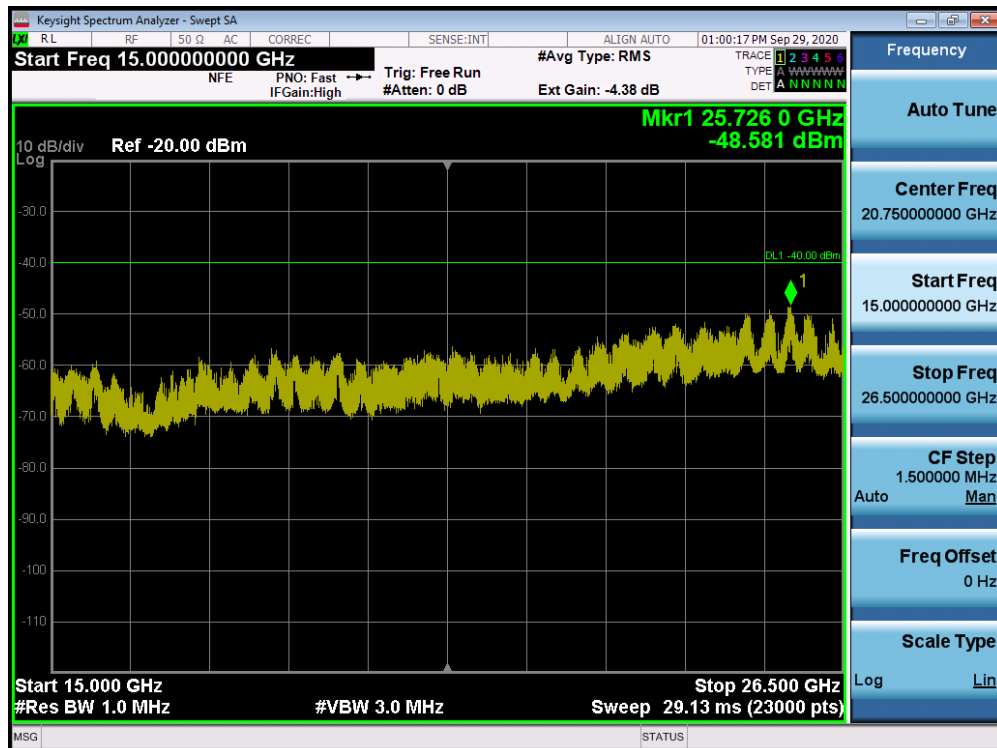


Plot 7-127. Conducted Spurious Emission Plot (20 MHz BW, Middle Channel, Port 1, 6.5 GHz to 15 GHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 103 of 143

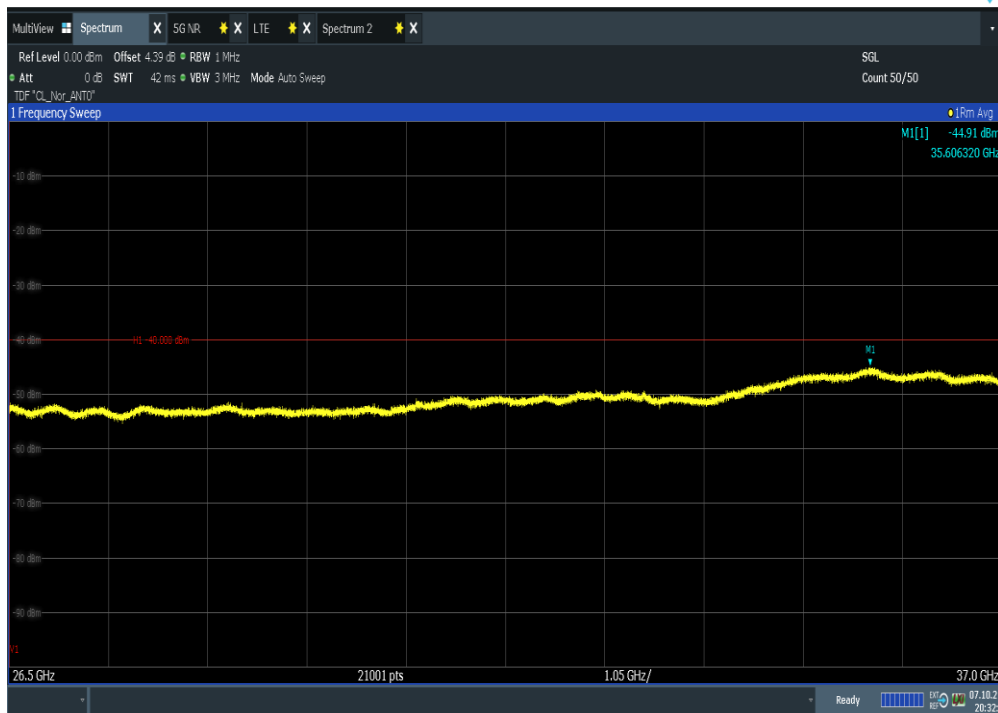


Plot 7-128. Conducted Spurious Emission Plot (20 MHz BW, Middle Channel, Port 0, 15 GHz to 26.5 GHz)

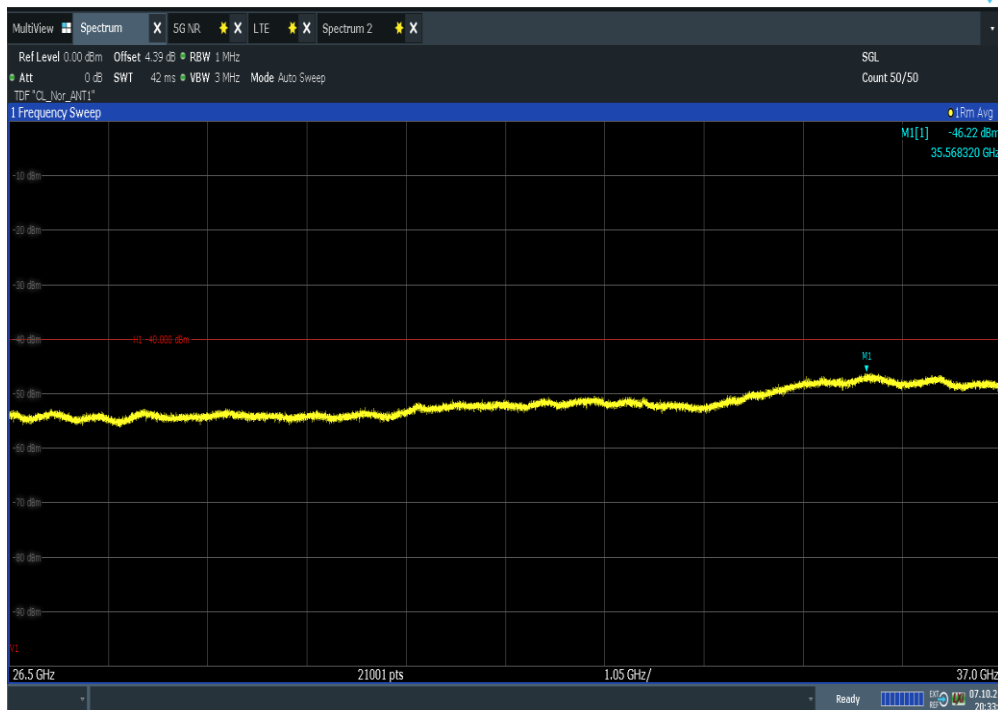


Plot 7-129. Conducted Spurious Emission Plot (20 MHz BW, Middle Channel, Port 1, 15 GHz to 26.5 GHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 104 of 143

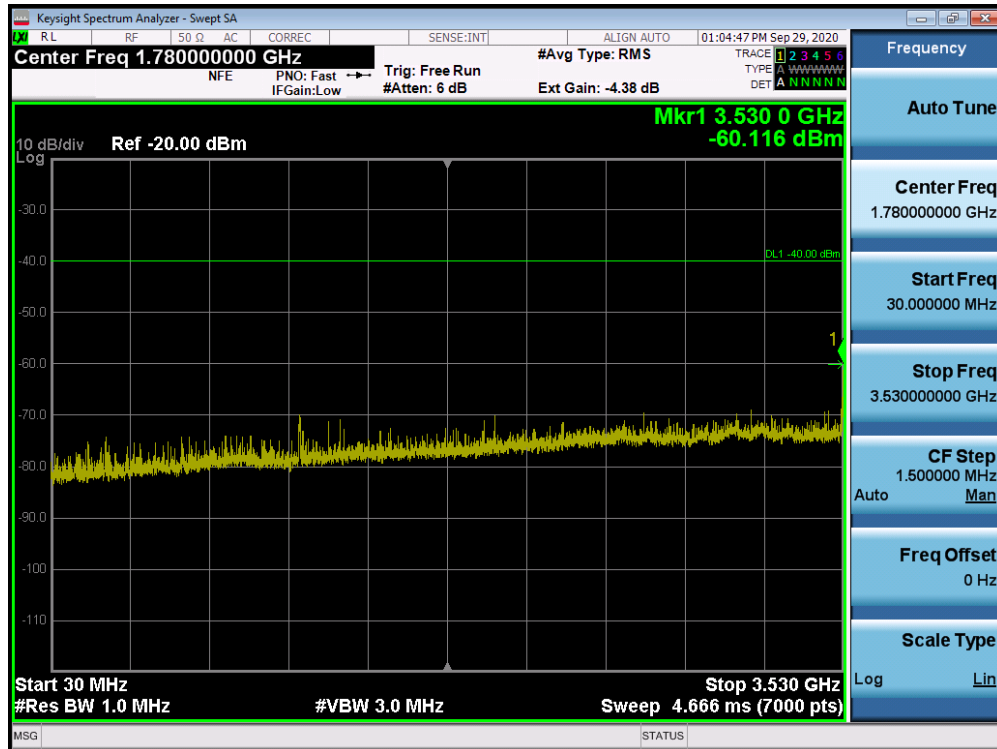


Plot 7-130. Conducted Spurious Emission Plot (20 MHz BW, Middle Channel, Port 0, 26.5 GHz to 37 GHz)

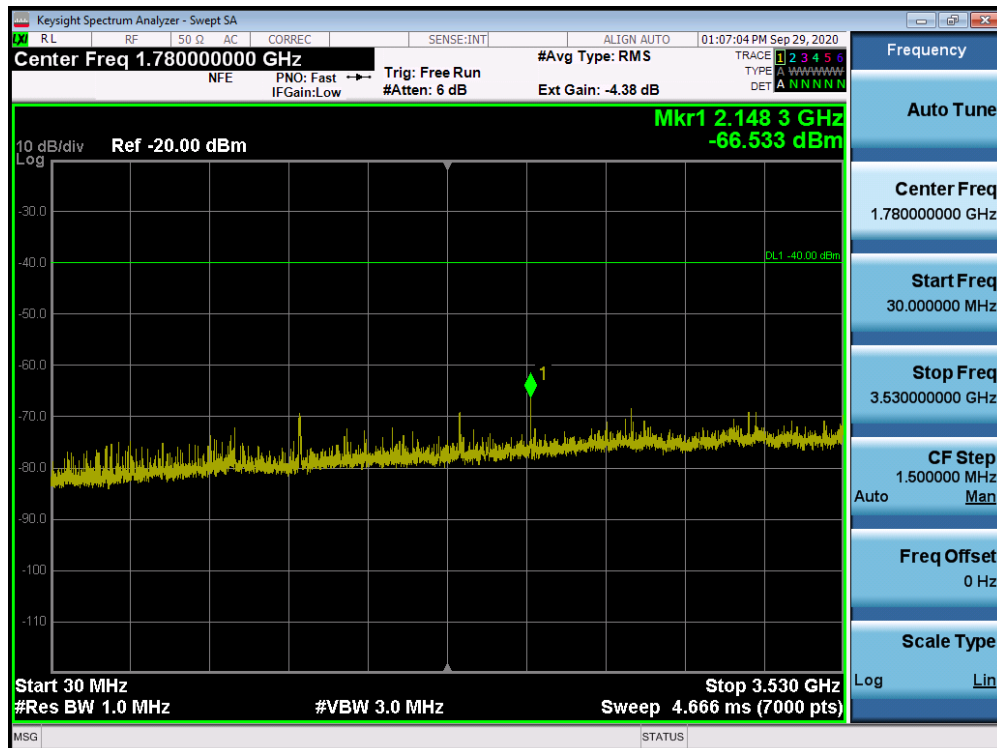


Plot 7-131. Conducted Spurious Emission Plot (20 MHz BW, Middle Channel, Port 1, 26.5 GHz to 37 GHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 105 of 143

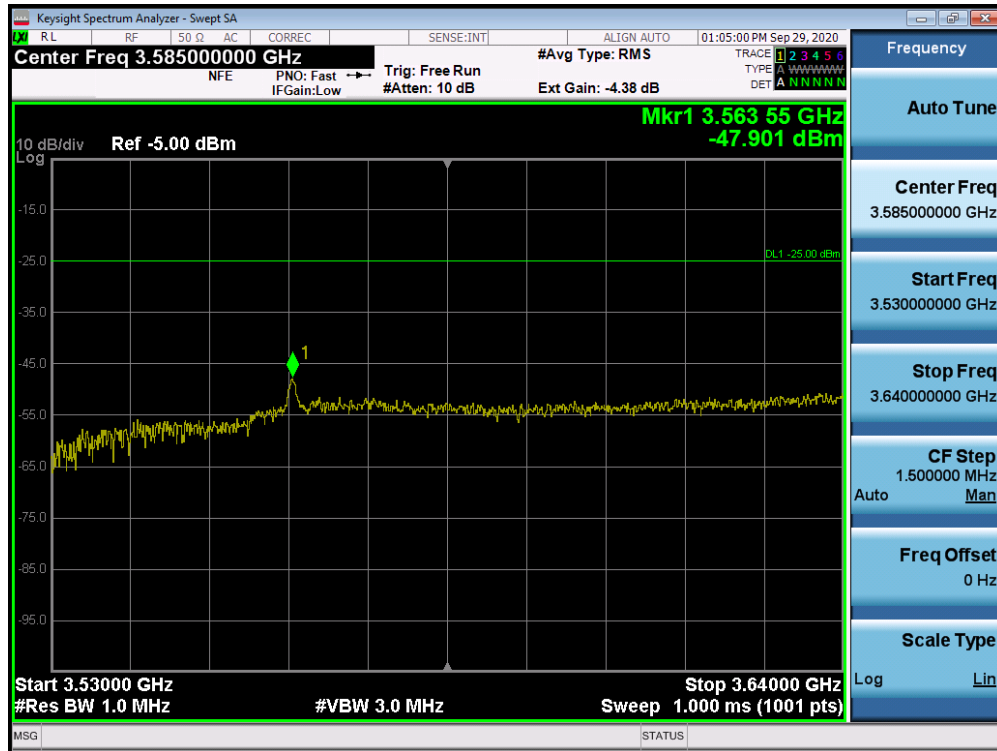


Plot 7-132. Conducted Spurious Emission Plot (20 MHz BW, High Channel, Port 0, 30 MHz to 3530 MHz)

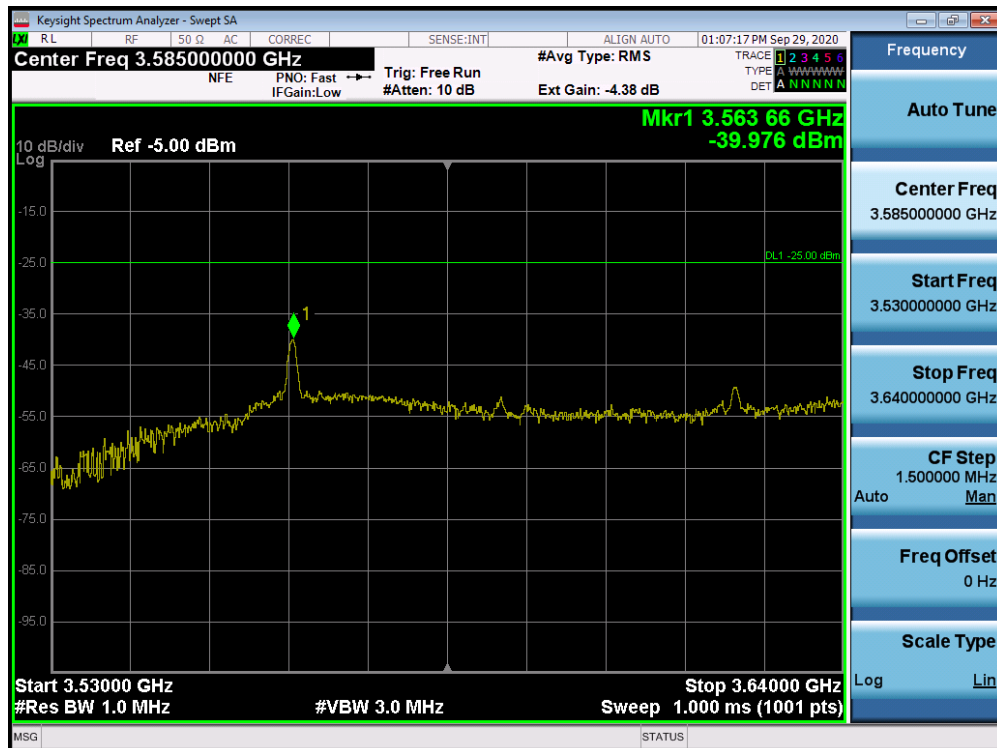


Plot 7-133. Conducted Spurious Emission Plot (20 MHz BW, High Channel, Port 1, 30 MHz to 3530 MHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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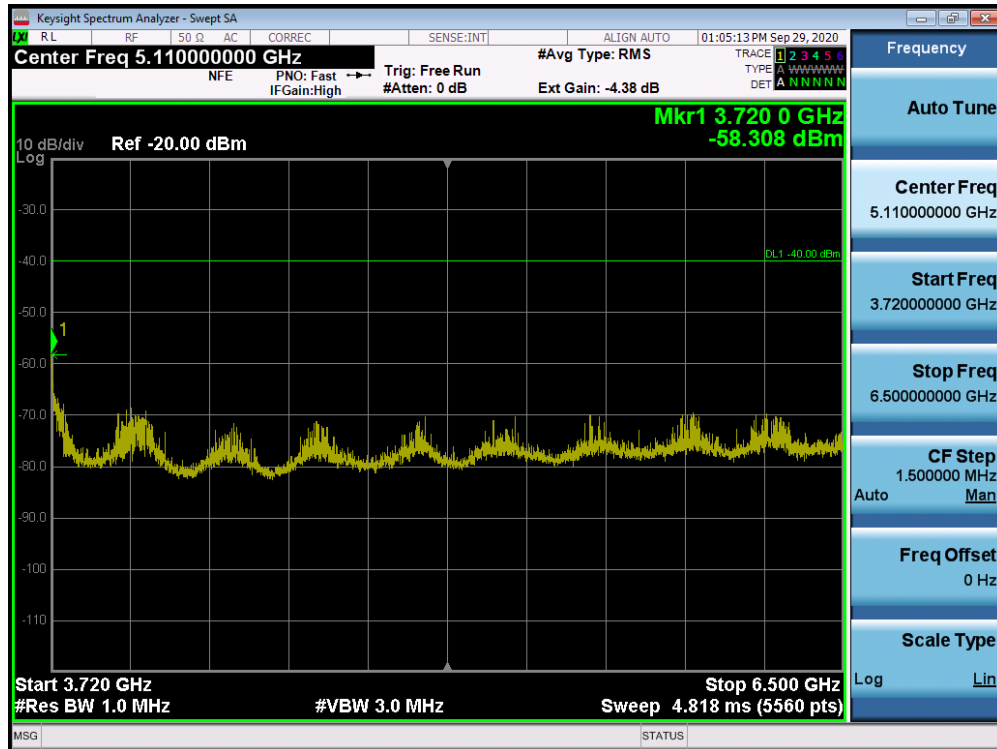


Plot 7-134. Conducted Spurious Emission Plot (20 MHz BW, High Channel, Port 0, 3530 MHz to 3640 MHz)

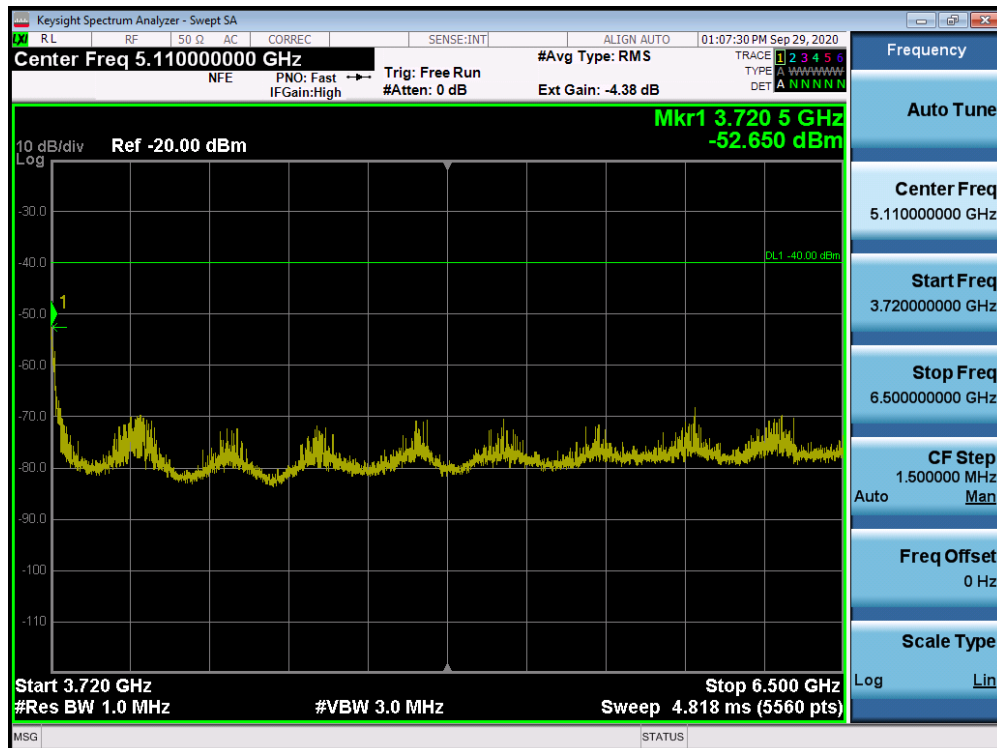


Plot 7-135. Conducted Spurious Emission Plot (20 MHz BW, High Channel, Port 1, 3530 MHz to 3640 MHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 107 of 143

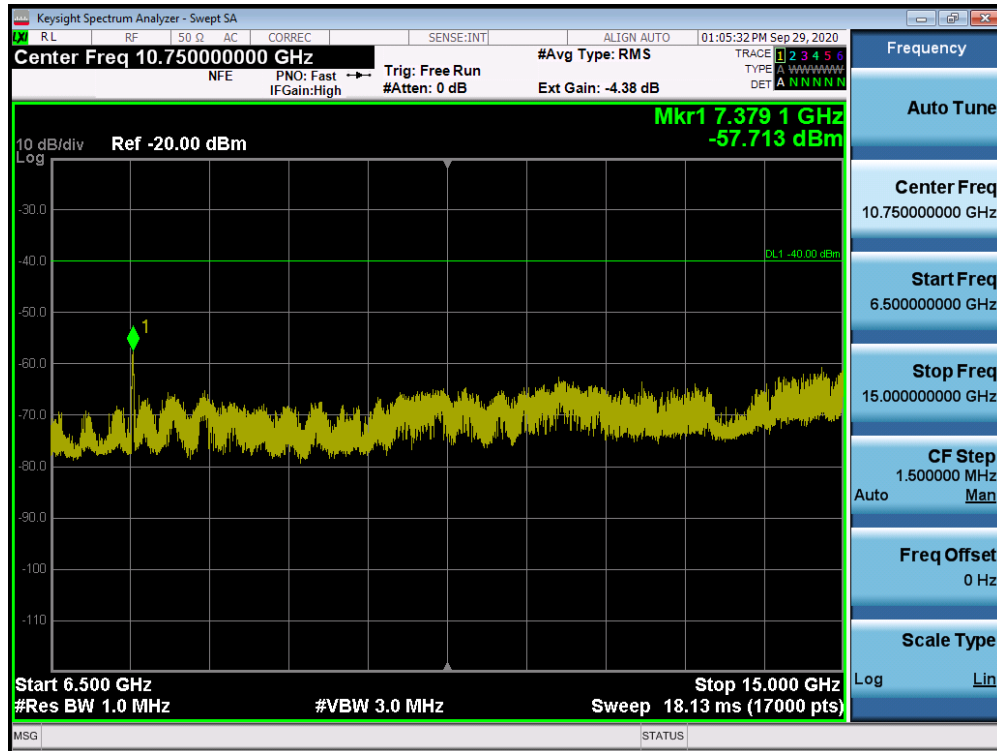


Plot 7-136. Conducted Spurious Emission Plot (20 MHz BW, High Channel, Port 0, 3720 MHz to 6.5 GHz)

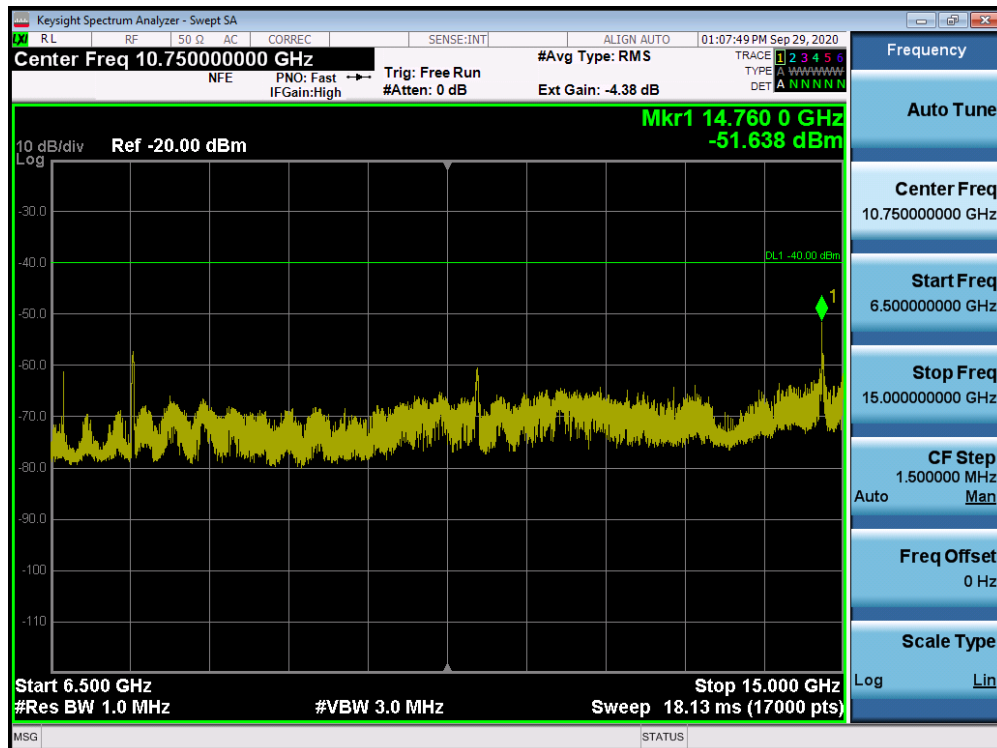


Plot 7-137. Conducted Spurious Emission Plot (20 MHz BW, High Channel, Port 1, 3530 MHz to 3640 MHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 108 of 143

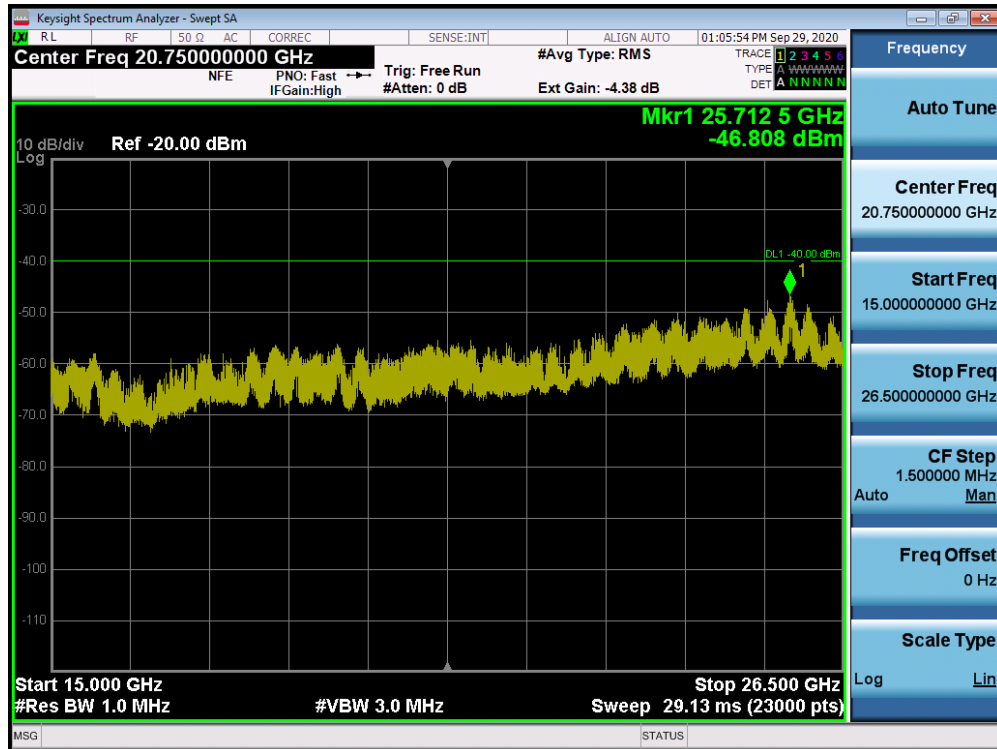


Plot 7-138. Conducted Spurious Emission Plot (20 MHz BW, High Channel, Port 0, 6.5 GHz to 15 GHz)

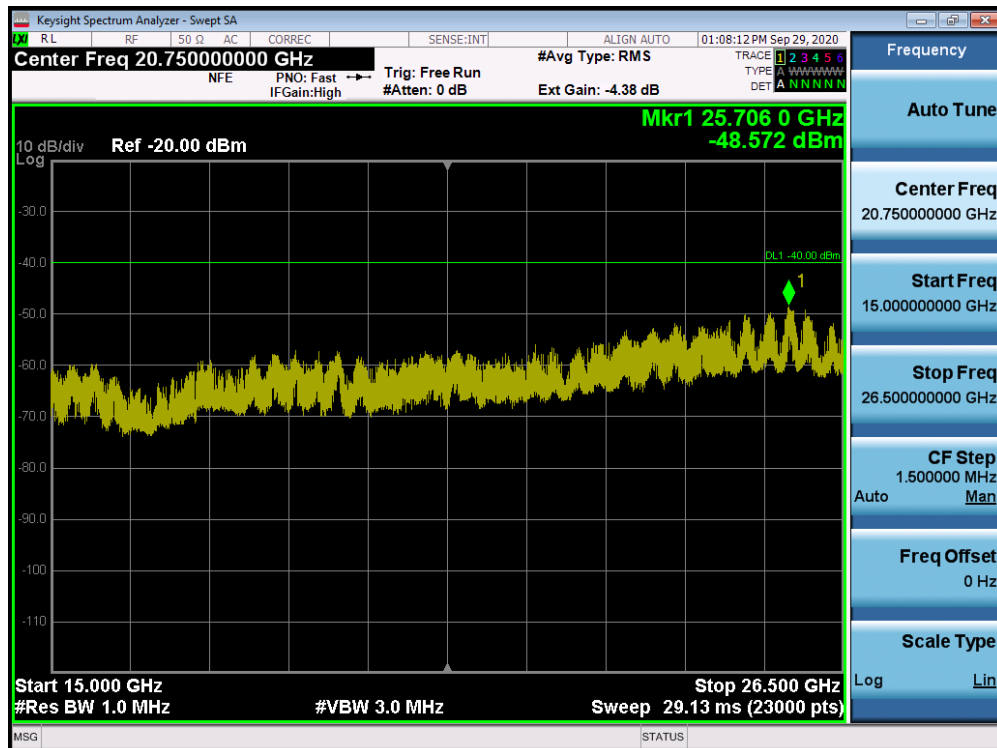


Plot 7-139. Conducted Spurious Emission Plot (20 MHz BW, High Channel, Port 1, 6.5 GHz to 15 GHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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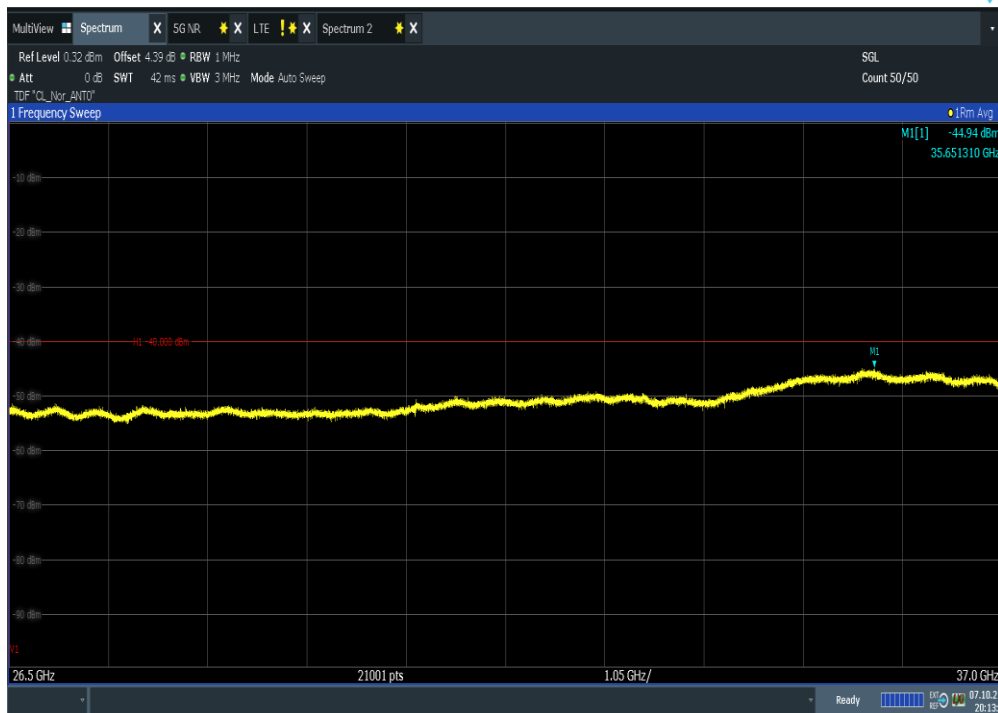


Plot 7-140. Conducted Spurious Emission Plot (20 MHz BW, High Channel, Port 0, 15 GHz to 26.5 GHz)

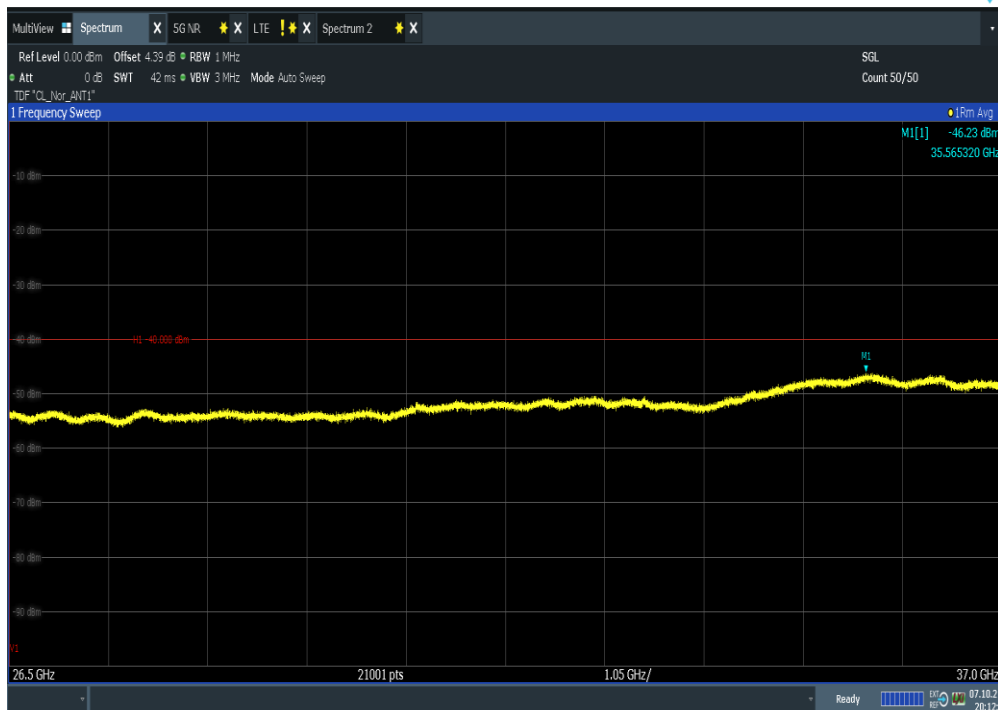


Plot 7-141. Conducted Spurious Emission Plot (20 MHz BW, High Channel, Port 1, 15 GHz to 26.5 GHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 110 of 143



Plot 7-142. Conducted Spurious Emission Plot (20 MHz BW, High Channel, Port 0, 26.5 GHz to 37 GHz)



Plot 7-143. Conducted Spurious Emission Plot (20 MHz BW, High Channel, Port 1, 26.5 GHz to 37 GHz)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 111 of 143

7.8 Radiated Spurious Emissions Measurements

§2.1053 §96.41(e)

Test Overview

Radiated spurious emissions measurements are performed using the field strength method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using vertically and horizontally polarized broadband trilob antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 6.2

ANSI/TIA-603-E-2016 – Section 2.2.12

ANSI C63.26-2015 – Section 5.5.4

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 = Max Hold (In cases where the level is within 2dB of the limit, the final measurement is taken using triggering/gating and trace averaging.)
7. The trace was allowed to stabilize

FCC ID: 2AXTR-ECL2248-2723	 PCTEST® Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Test Setup

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

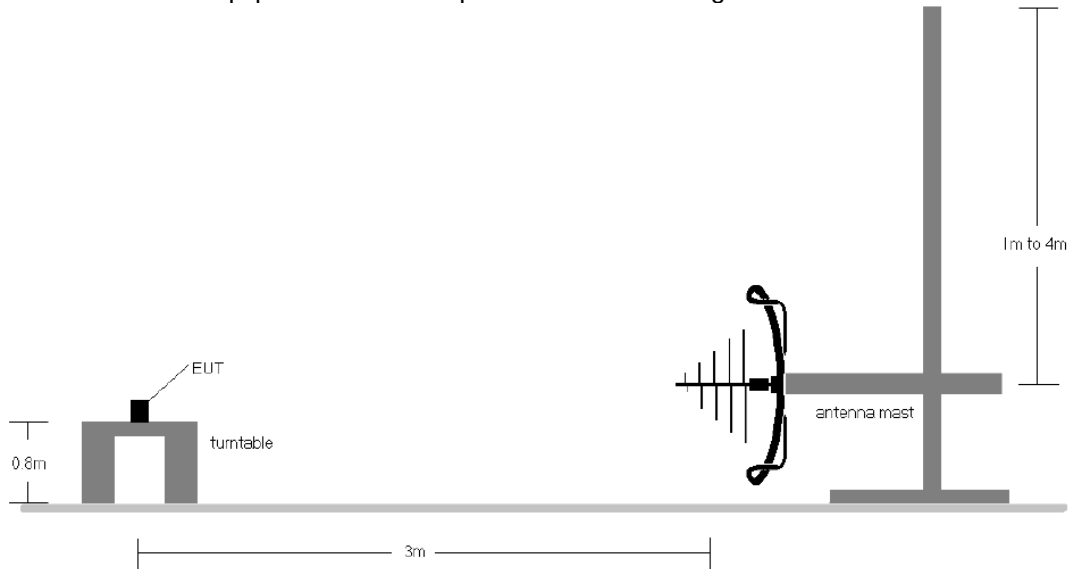


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

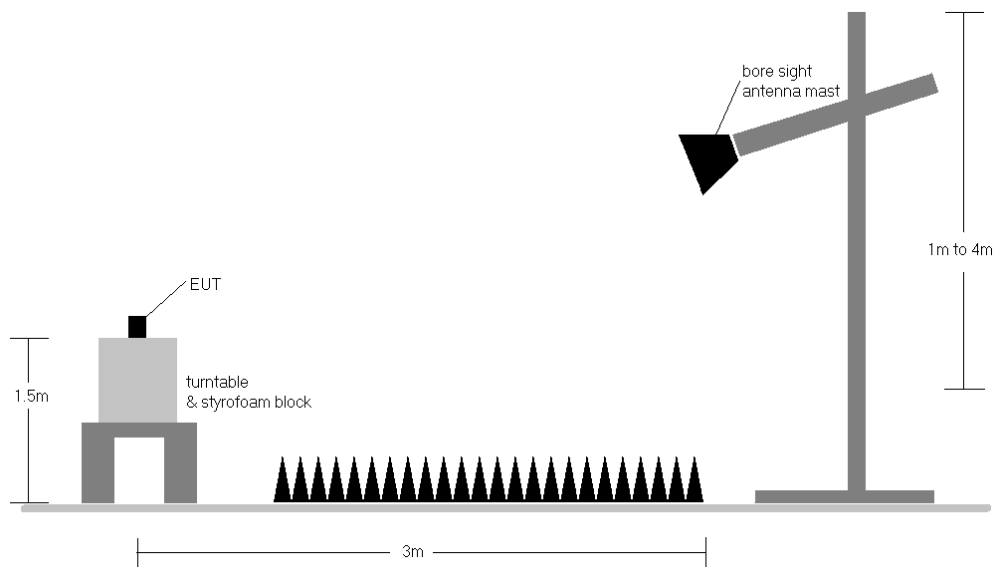


Figure 7-7. Test Instrument & Measurement Setup > 1GHz

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Test Notes

1. The average EIRP reported below is calculated per 5.2.7 of ANSI C63.26-2015 which states:

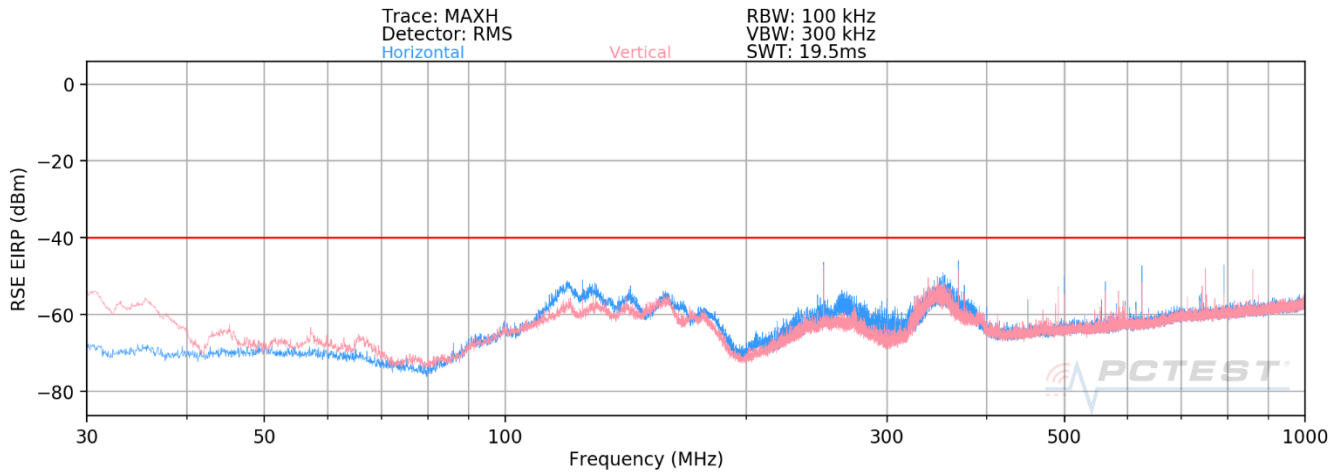
The measured e.i.r.p is converted to E-field in V/m. Then the distance correction is applied before converted back to calculated e.i.r.p.as explained in KDB 971168 D01 D01 v03r01.

Effective Isotropic Radiated Power Sample Calculation

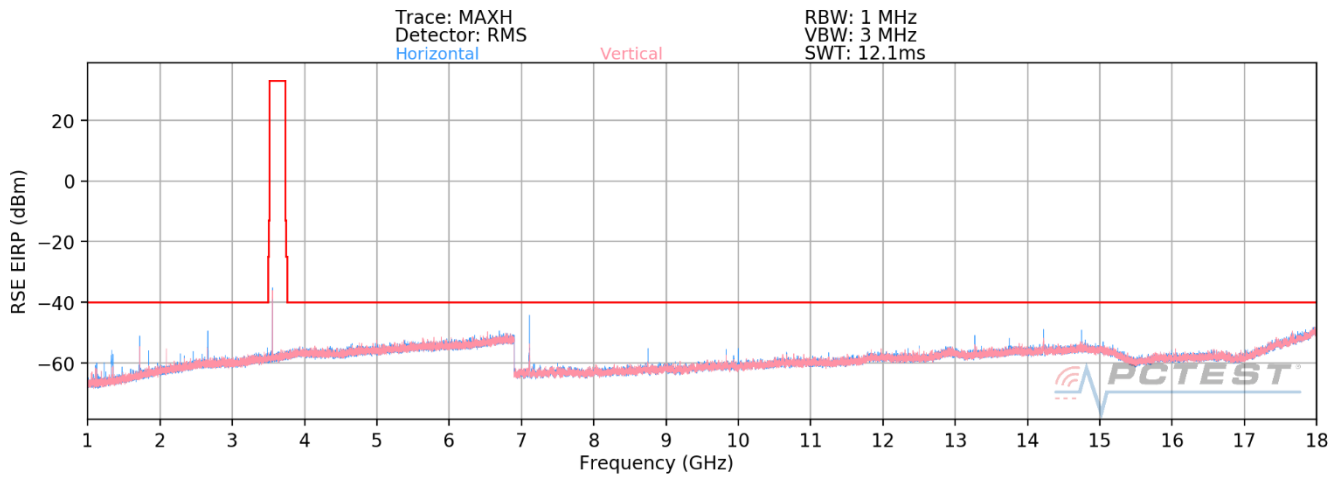
$$\begin{aligned}
 \text{Field Strength [dB}\mu\text{V/m]} &= \text{Measured Value [dBm]} + \text{AFCL [dB/m]} + 107 \\
 &= -64.47 \text{ dBm} + (36.42 \text{ dB/m} - 27.90 \text{ dB}) + 107 = 51.05 \text{ dB}\mu\text{V/m} \\
 &= 10^{(51.05/20)/1000000} = 0.00036 \text{ V/m} \\
 \text{e.i.r.p. [dBm]} &= 10 \cdot \log((\text{E-Field} \cdot D_m)^2/30) + 30 \text{ dB} \\
 &= 10 \cdot \log((0.00036 \text{ V/m} \cdot 3 \text{ m})^2/30) + 30 \text{ dB} \\
 &= \mathbf{-44.18 \text{ dBm e.i.r.p.}}
 \end{aligned}$$

2. The EUT was tested in both horizontal and vertical antenna polarizations and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, channel bandwidth configurations shown in the tables below.
3. The spectrum is measured from 9 kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
4. Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
5. The "-" shown in the following RSE tables are used to denote a noise floor measurement.

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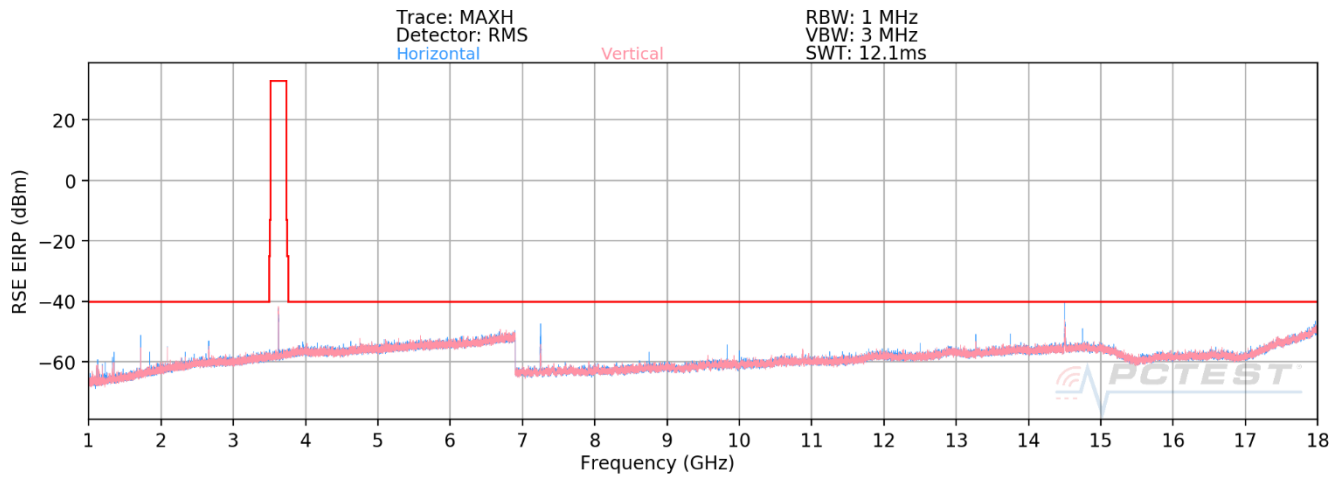


Plot 7-144. Radiated Spurious Emission Plot (30 MHz to 1 GHz)

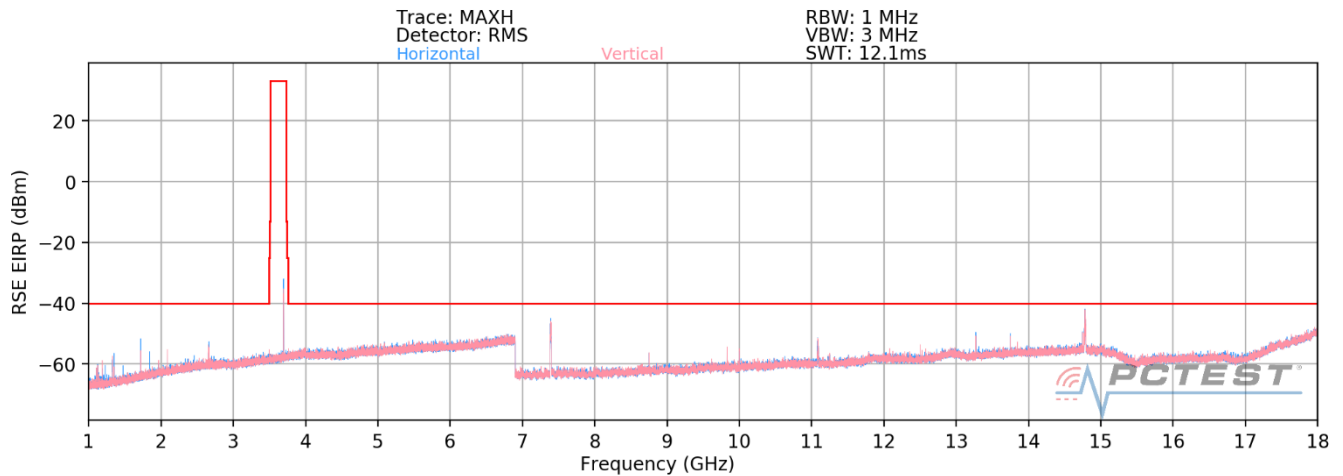


Plot 7-145. Radiated Spurious Emission Plot (1 GHz to 18 GHz, 10 MHz Channel Bandwidth, Low)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 115 of 143

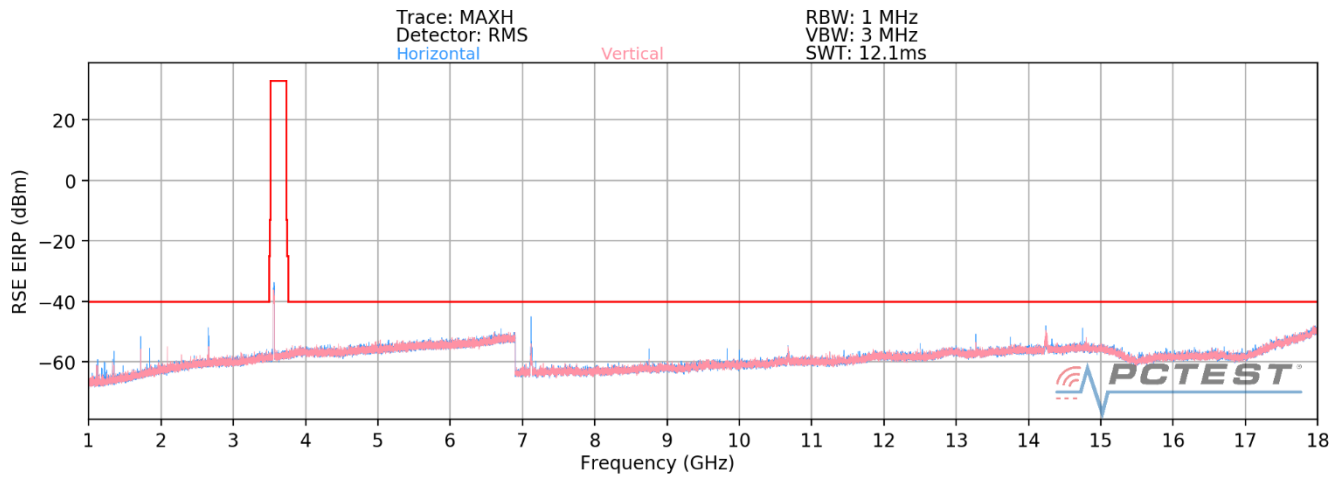


Plot 7-146. Radiated Spurious Emission Plot (1 GHz to 18 GHz, 10 MHz Channel Bandwidth, Middle)

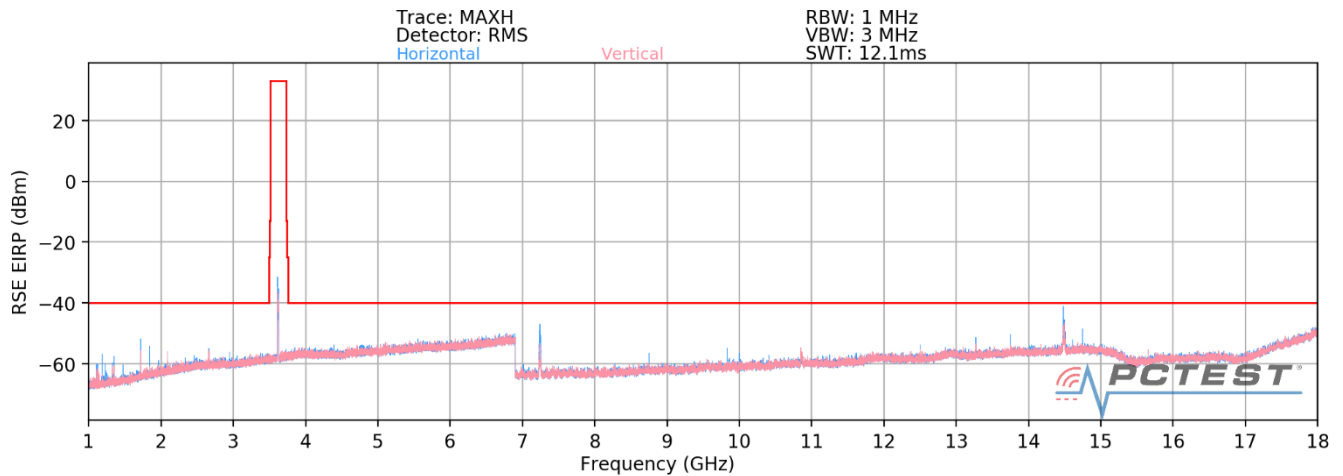


Plot 7-147. Radiated Spurious Emission Plot (1 GHz to 18 GHz, 10 MHz Channel Bandwidth, High)

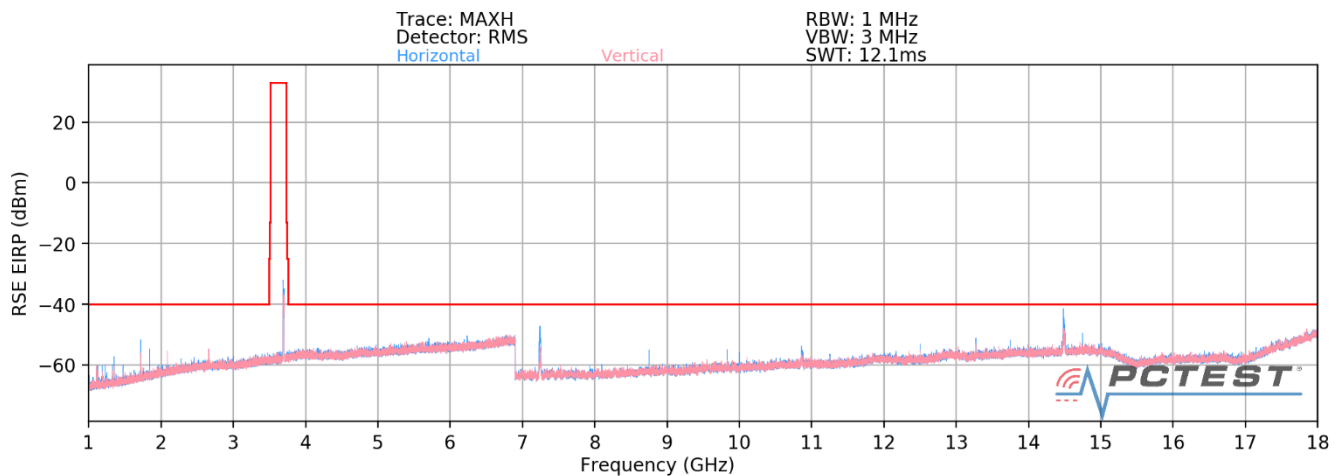
FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 116 of 143



Plot 7-148. Radiated Spurious Emission Plot (1 GHz to 18 GHz, 20 MHz Channel Bandwidth, Low)

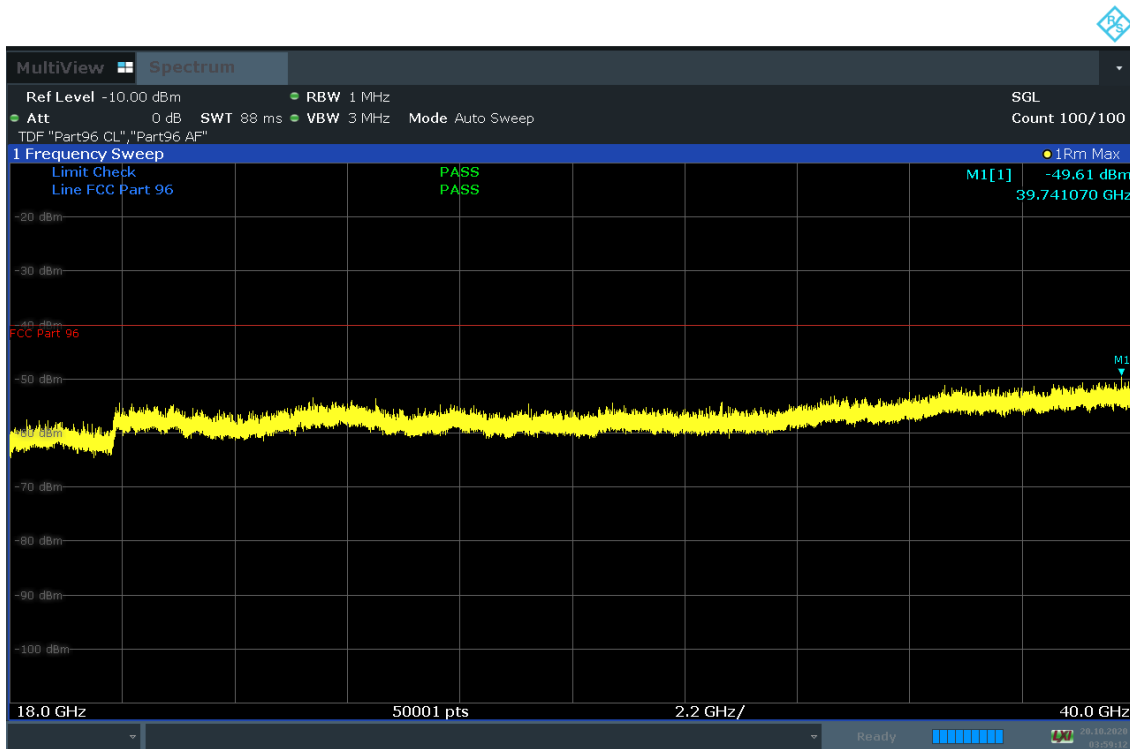


Plot 7-149. Radiated Spurious Emission Plot (1 GHz to 18 GHz, 20 MHz Channel Bandwidth, Middle)

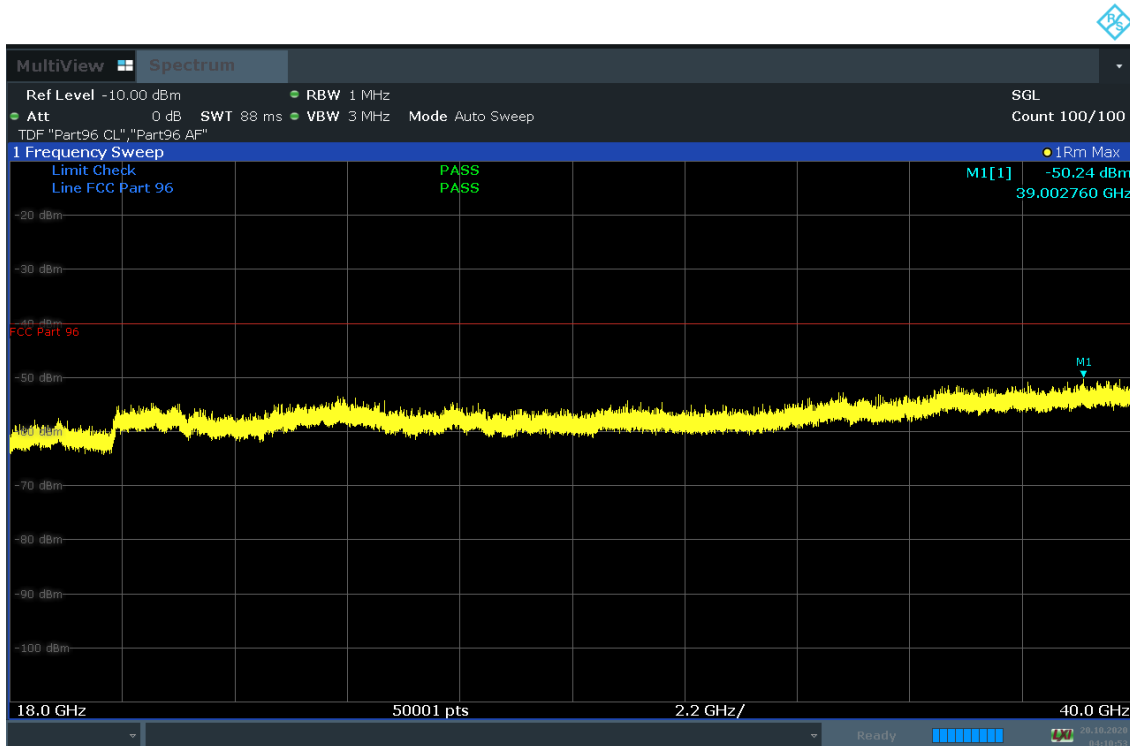


Plot 7-150. Radiated Spurious Emission Plot (1 GHz to 18 GHz, 20 MHz Channel Bandwidth, High)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 117 of 143



Plot 7-151. Radiated Spurious Emission Plot (18 GHz to 40 GHz, Ant. pol. H)



Plot 7-152. Radiated Spurious Emission Plot (18 GHz to 40 GHz, Ant. pol. V)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 118 of 143

Bandwidth (MHz):	10
Frequency (MHz):	3625.0
Modulation Signal:	16QAM

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dBm]	Field Strength [dBμV/m]	Spurious Emission Level [dBm]	Limit [dB]	Margin [dB]
7250.0	H	137	345	-64.47	8.52	51.0	-44.18	-40.0	-4.2
10875.0	H	-	-	-80.94	13.46	39.5	-55.71	-40.0	-15.7
14500.0	H	149	1	-73.31	19.20	52.9	-42.34	-40.0	-2.3

Table 7-16. Radiated Spurious Emission Data (10 MHz Channel Bandwidth, Middle)

Bandwidth (MHz):	20
Frequency (MHz):	3620
Modulation Signal:	16QAM

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dBm]	Field Strength [dBμV/m]	Spurious Emission Level [dBm]	Limit [dB]	Margin [dB]
7240.0	H	118	331	-64.38	8.55	51.2	-44.05	-40.0	-4.1
10860.0	H	-	-	-80.06	13.61	40.5	-54.68	-40.0	-14.7
14480.0	H	149	358	-73.20	19.45	53.3	-41.97	-40.0	-2.0

Table 7-17. Radiated Spurious Emission Data (20 MHz Channel Bandwidth, Middle)

FCC ID: 2AXTR-ECL2248-2723		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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7.9 Band Edge Emissions at Antenna Terminal

§2.1051 §96.41(e)

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 its maximum duty cycle, 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.

The conducted power of any emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0-10 megahertz above the upper SAS-assigned channel edge and within 0-10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any emission shall not exceed -25 dBm/MHz.

The conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 6

Test Settings

1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. RBW $\geq$ 1% of the emission bandwidth
4. VBW $\geq$ 3 x RBW
5. Detector = RMS
6. Number of sweep points $\geq$ 2 x Span/RBW
7. Trace mode = trace average
8. Sweep time = auto couple
9. The trace was allowed to stabilize

Test Setup

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

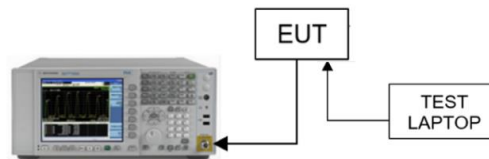


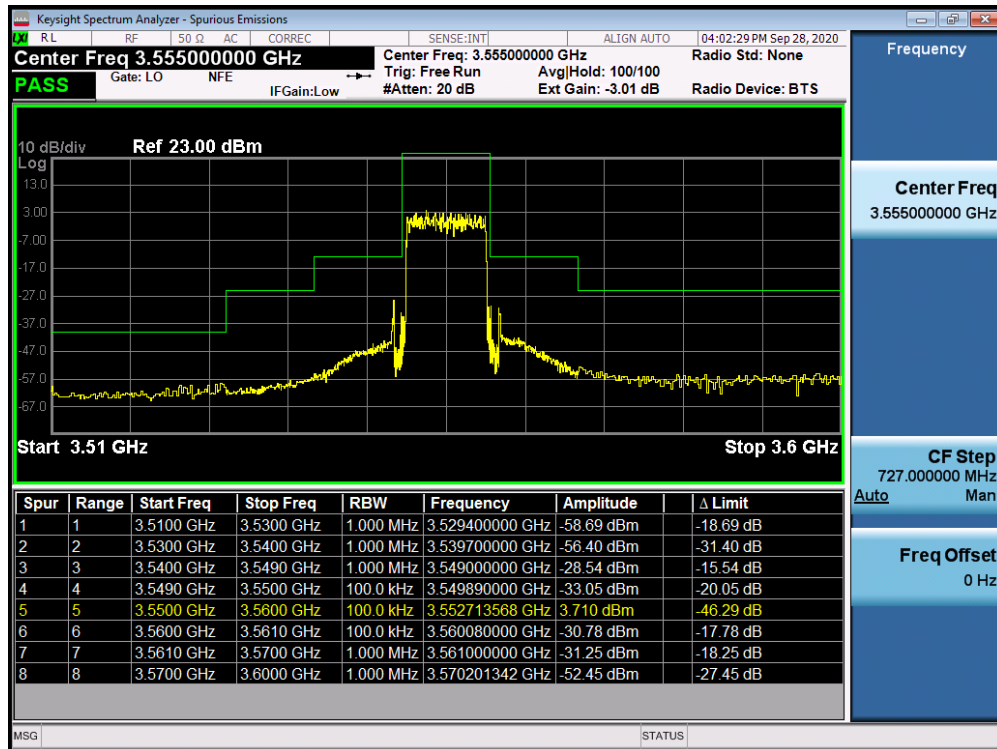
Figure 7-7. Test Instrument & Measurement Setup

FCC ID: 2AXTR-ECL2248-2723	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 120 of 143

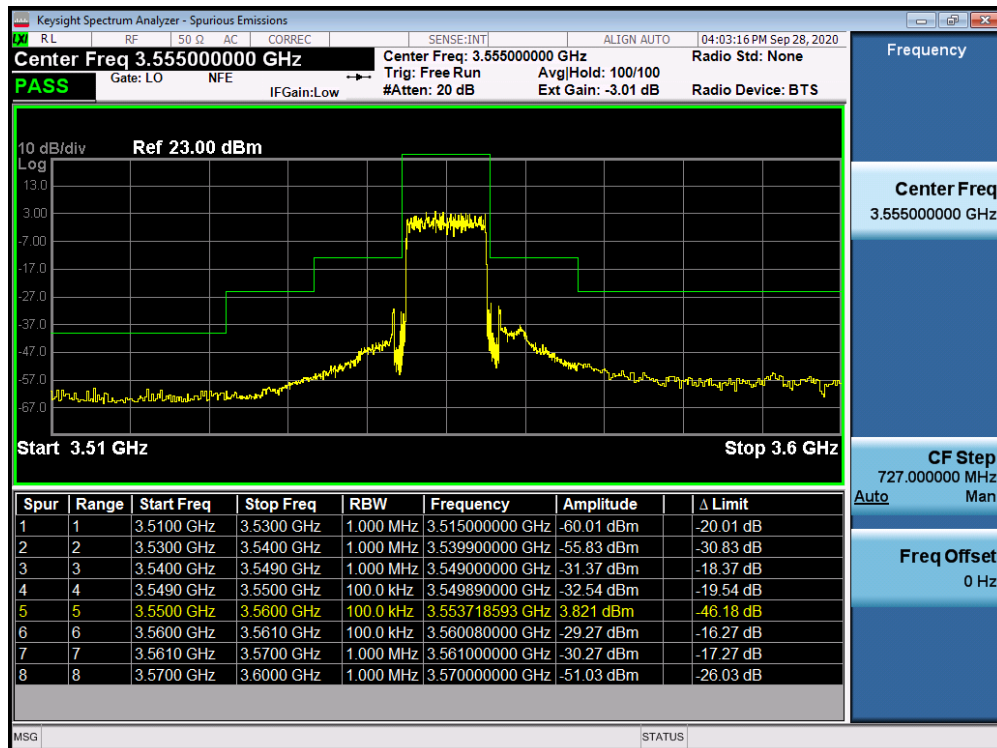
Test Notes

1. The signal was gated with an appropriate sweep time, gate delay and length to capture the on time of the transmission.
2. MIMO plots show band edge for 2 transmit ports combined. Refer to the following calculation:
 $10 \cdot \log(2) = 3.01 \text{ dB}$
 This offset has been added in the MIMO Plots.
3. Narrower RBW parameter is applied according to Section 5.7 of ANSI C63.26-2015 for some edge channels due to improving measurement accuracy.

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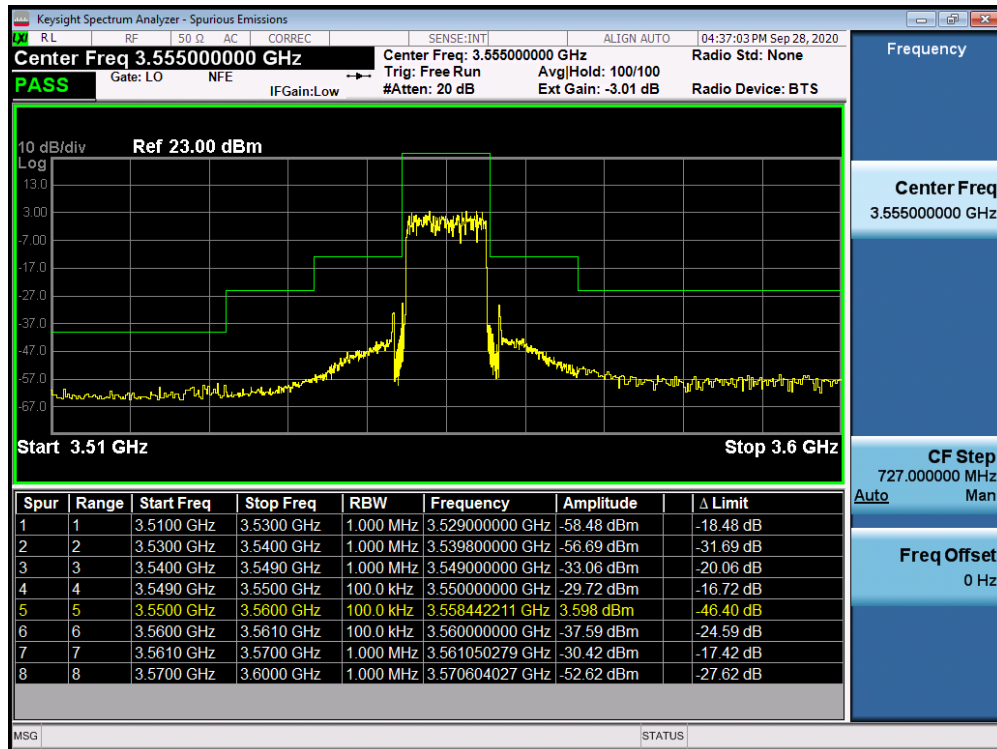


Plot 7-153. Channel Edge Plot (10 MHz Channel Bandwidth, QPSK, Low Channel, Port 0)

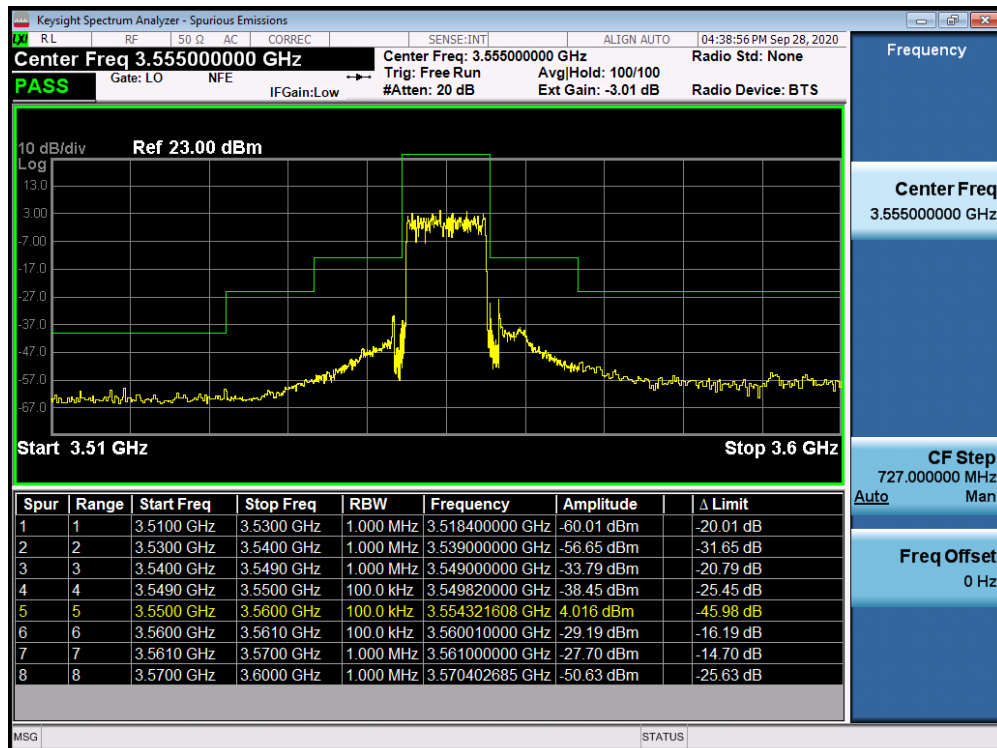


Plot 7-154. Channel Edge Plot (10 MHz Channel Bandwidth, QPSK, Low Channel, Port 1)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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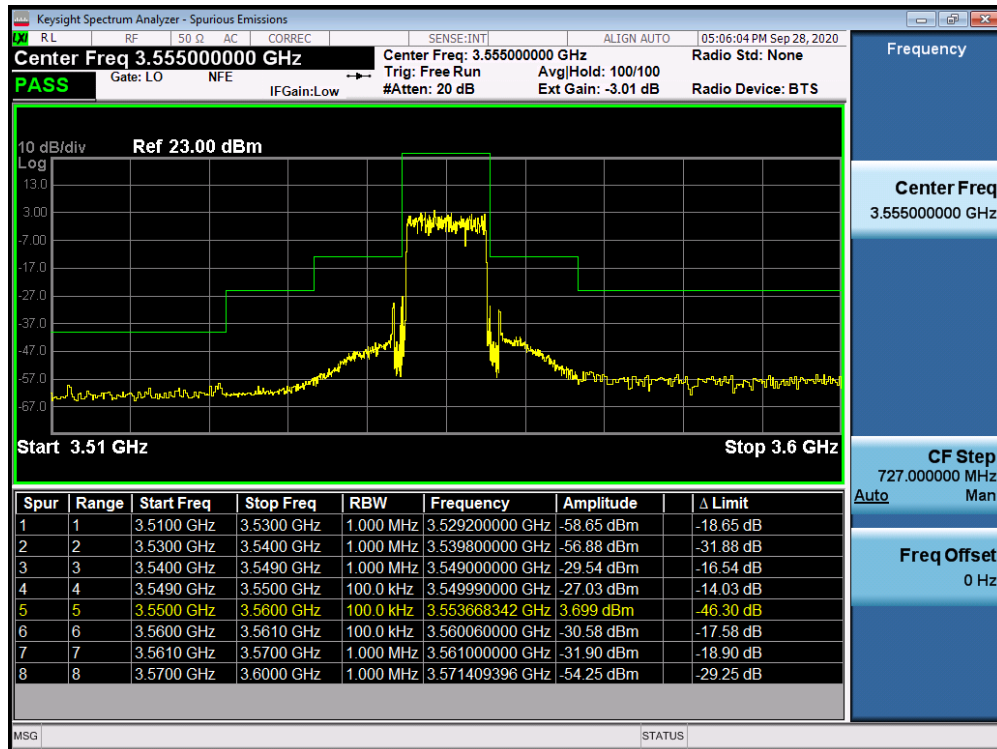


Plot 7-155. Channel Edge Plot (10 MHz Channel Bandwidth, 16QAM, Low Channel, Port 0)

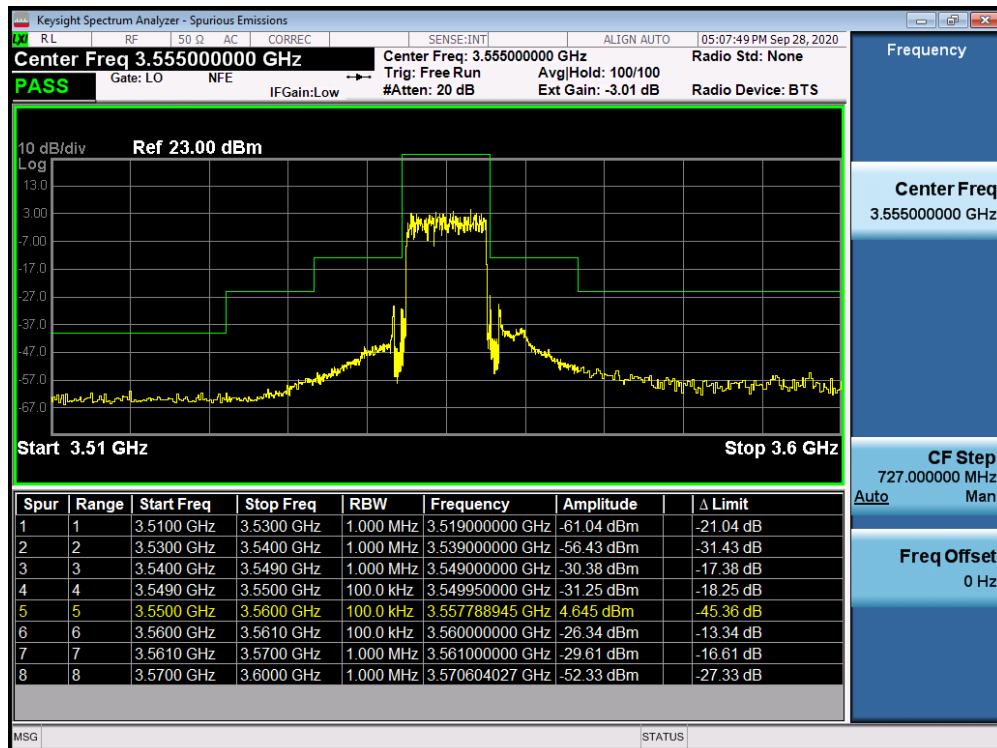


Plot 7-156. Channel Edge Plot (10 MHz Channel Bandwidth, 16QAM, Low Channel, Port 1)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 123 of 143

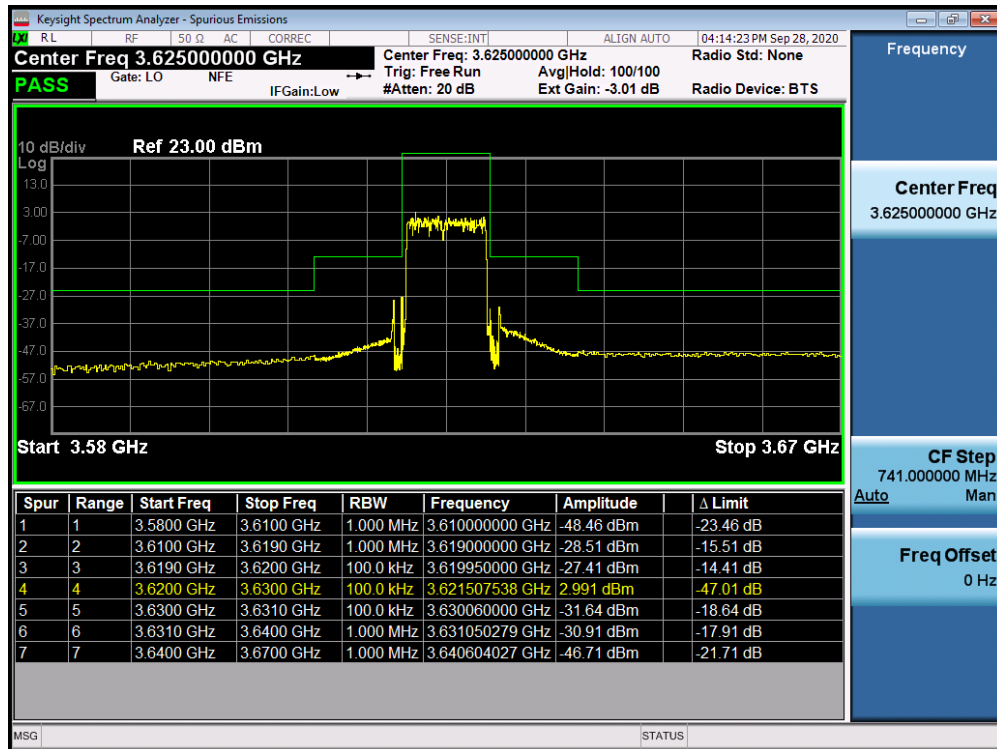


Plot 7-157. Channel Edge Plot (10 MHz Channel Bandwidth, 64QAM, Low Channel, Port 0)

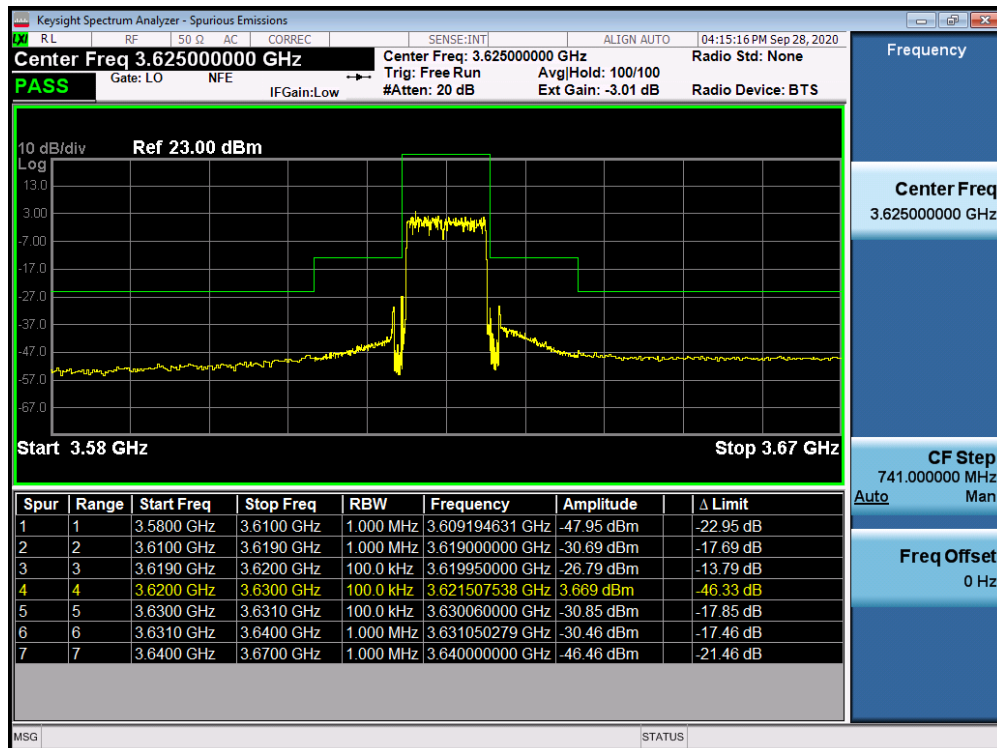


Plot 7-158. Channel Edge Plot (10 MHz Channel Bandwidth, 64QAM, Low Channel, Port 1)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 124 of 143

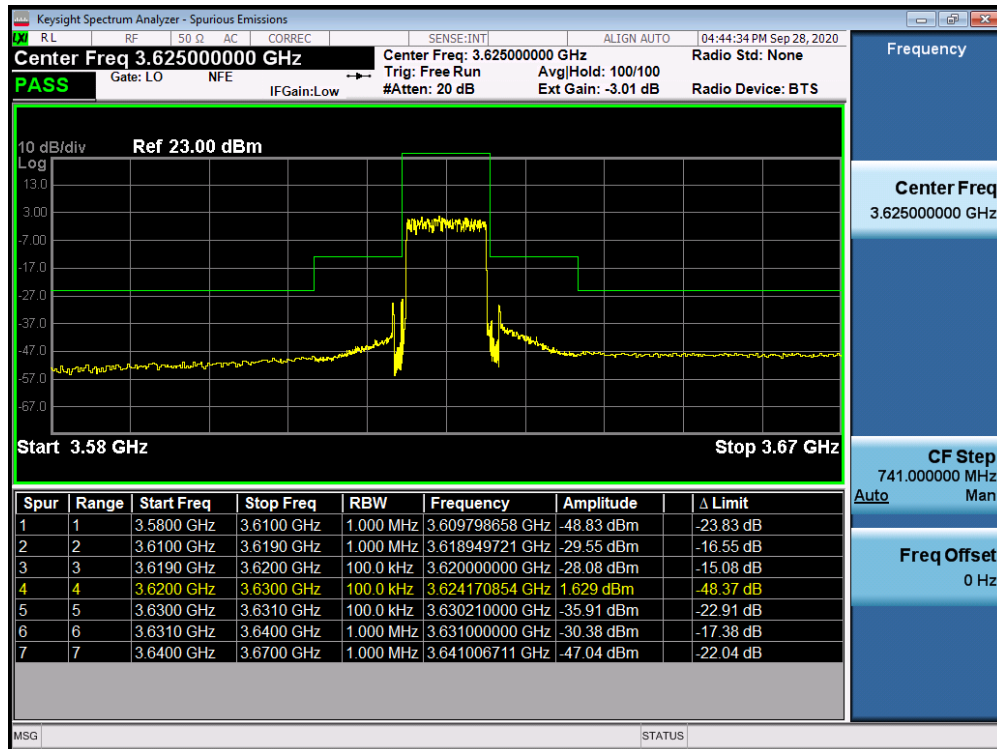


Plot 7-159. Channel Edge Plot (10 MHz Channel Bandwidth, QPSK, Mid Channel, Port 0)

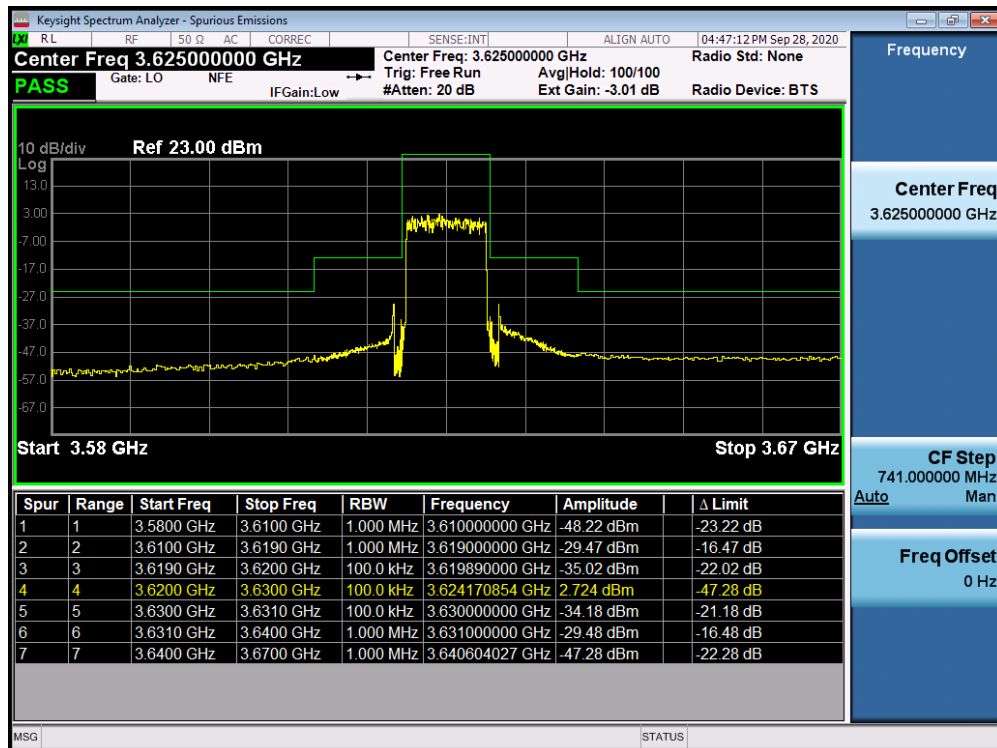


Plot 7-160. Channel Edge Plot (10 MHz Channel Bandwidth, QPSK, Mid Channel, Port 1)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 125 of 143

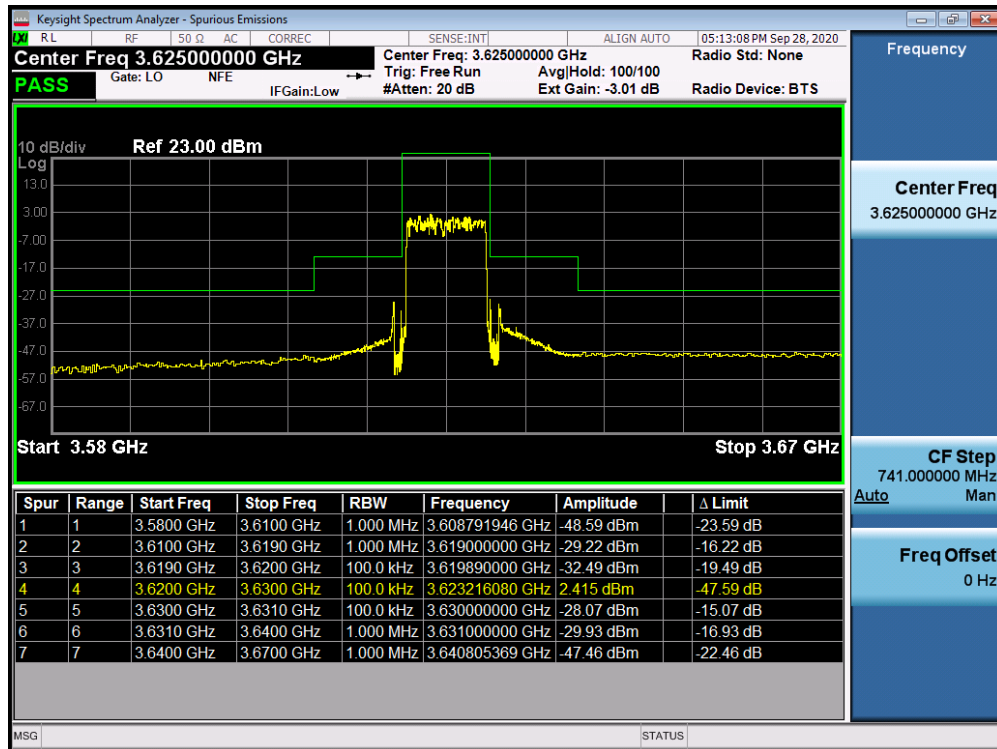


Plot 7-161. Channel Edge Plot (10 MHz Channel Bandwidth, 16QAM, Mid Channel, Port 0)

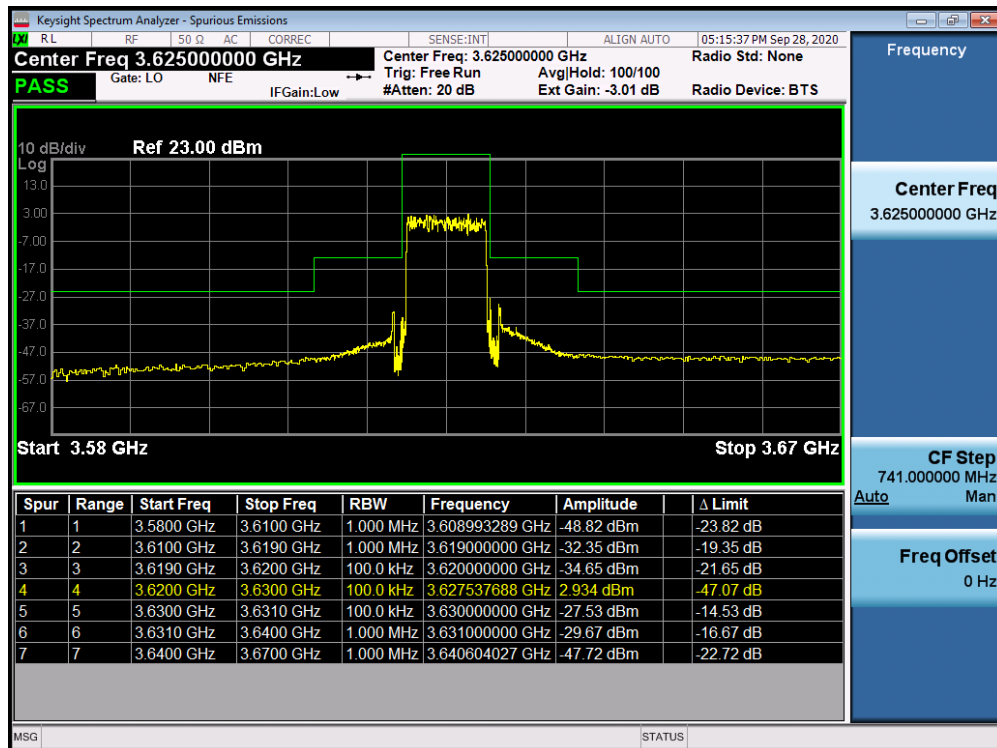


Plot 7-162. Channel Edge Plot (10 MHz Channel Bandwidth, 16QAM, Mid Channel, Port 1)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 126 of 143

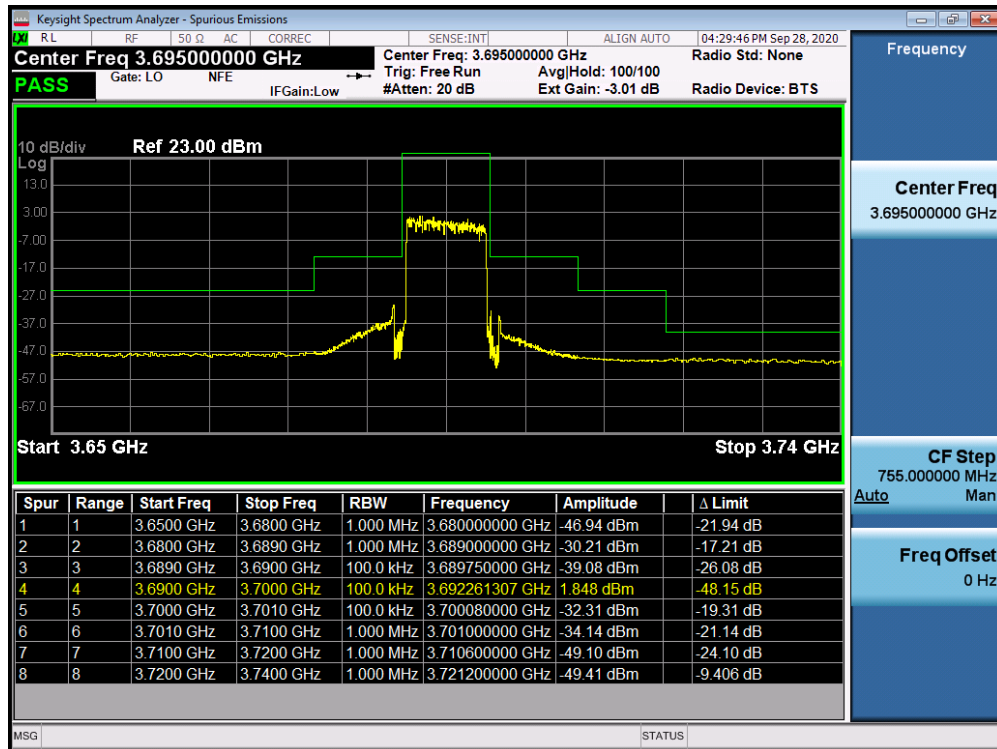


Plot 7-163. Channel Edge Plot (10 MHz Channel Bandwidth, 64QAM, Mid Channel, Port 0)

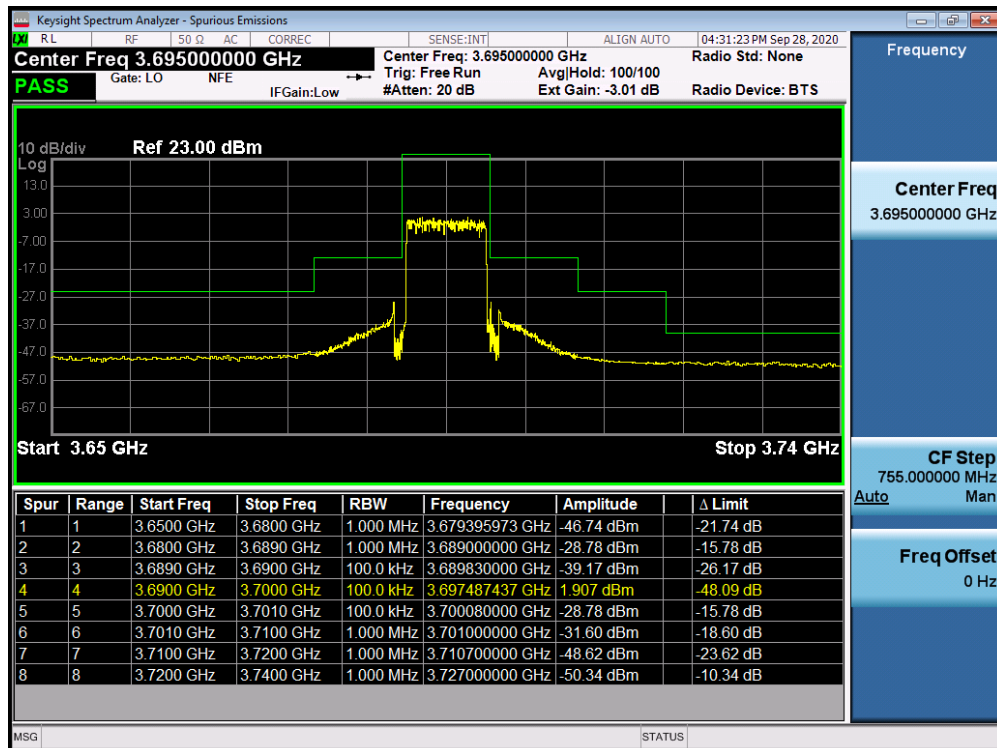


Plot 7-164. Channel Edge Plot (10 MHz Channel Bandwidth, 64QAM, Mid Channel, Port 1)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 127 of 143

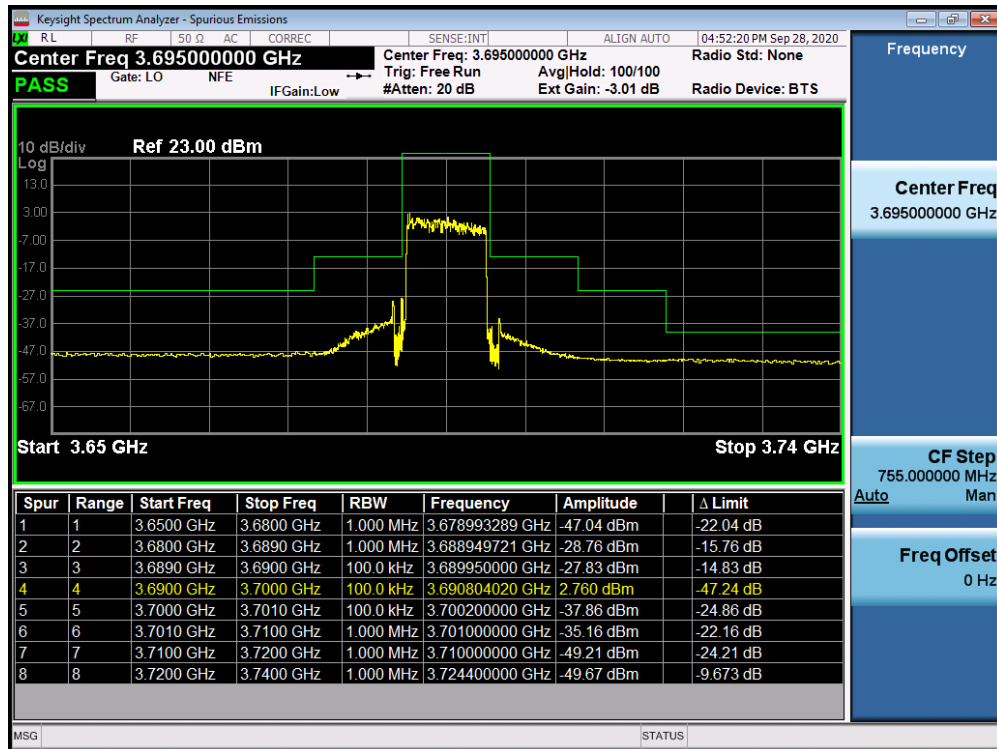


Plot 7-165. Channel Edge Plot (10 MHz Channel Bandwidth, QPSK, High Channel, Port 0)

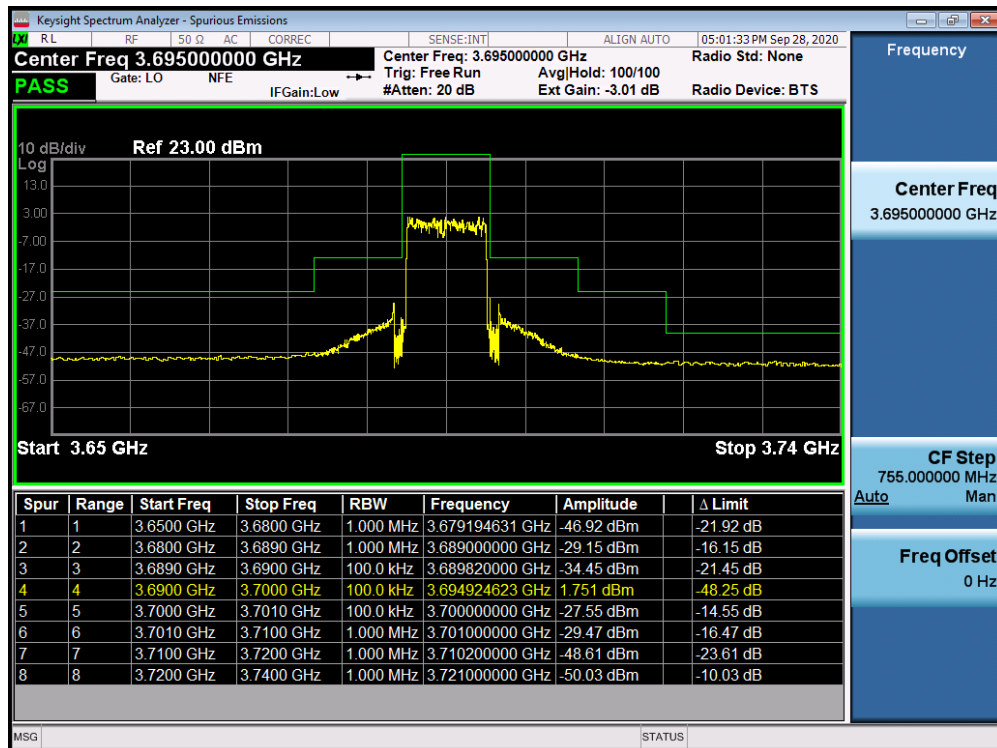


Plot 7-166. Channel Edge Plot (10 MHz Channel Bandwidth, QPSK, High Channel, Port 1)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 128 of 143

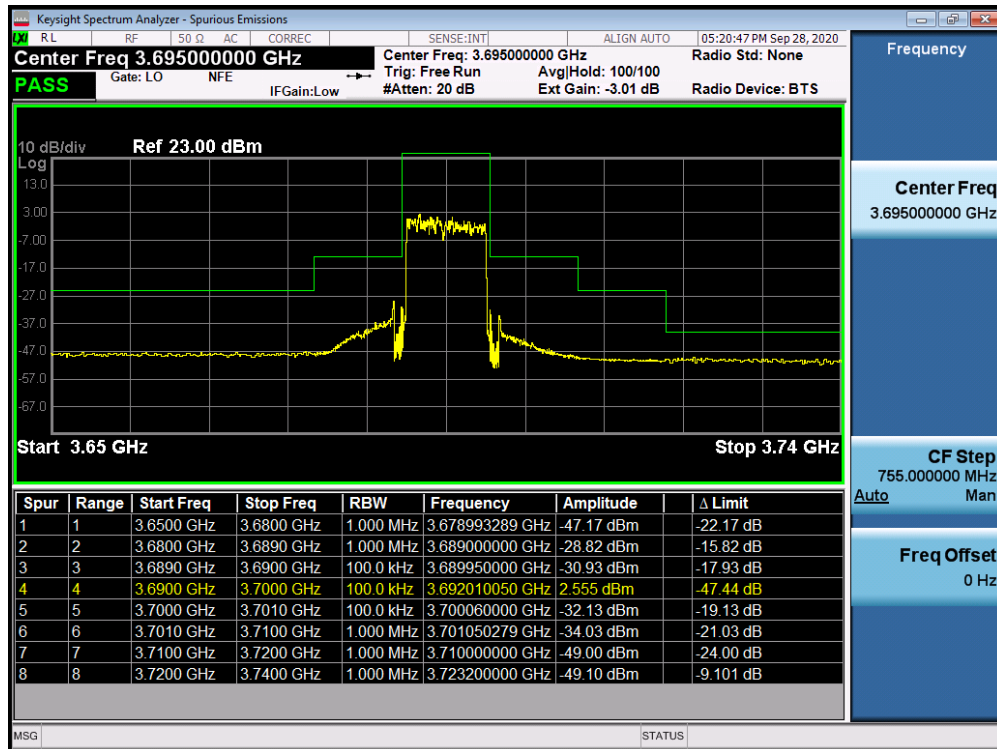


Plot 7-167. Channel Edge Plot (10 MHz Channel Bandwidth, 16QAM, High Channel, Port 0)

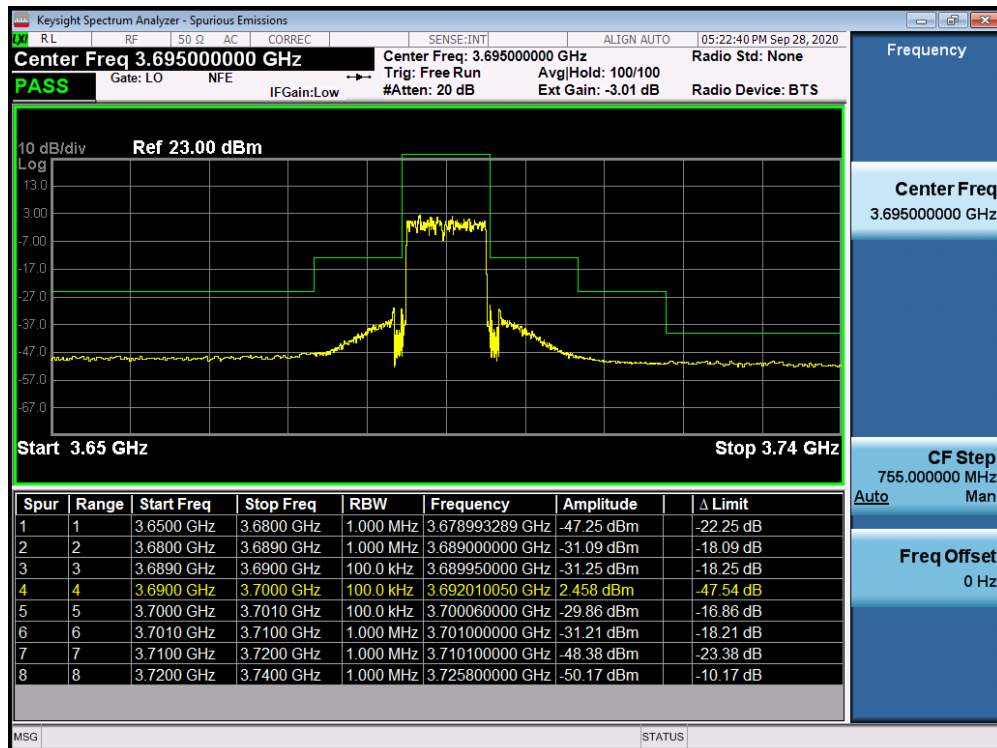


Plot 7-168. Channel Edge Plot (10 MHz Channel Bandwidth, 16QAM, High Channel, Port 1)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 129 of 143

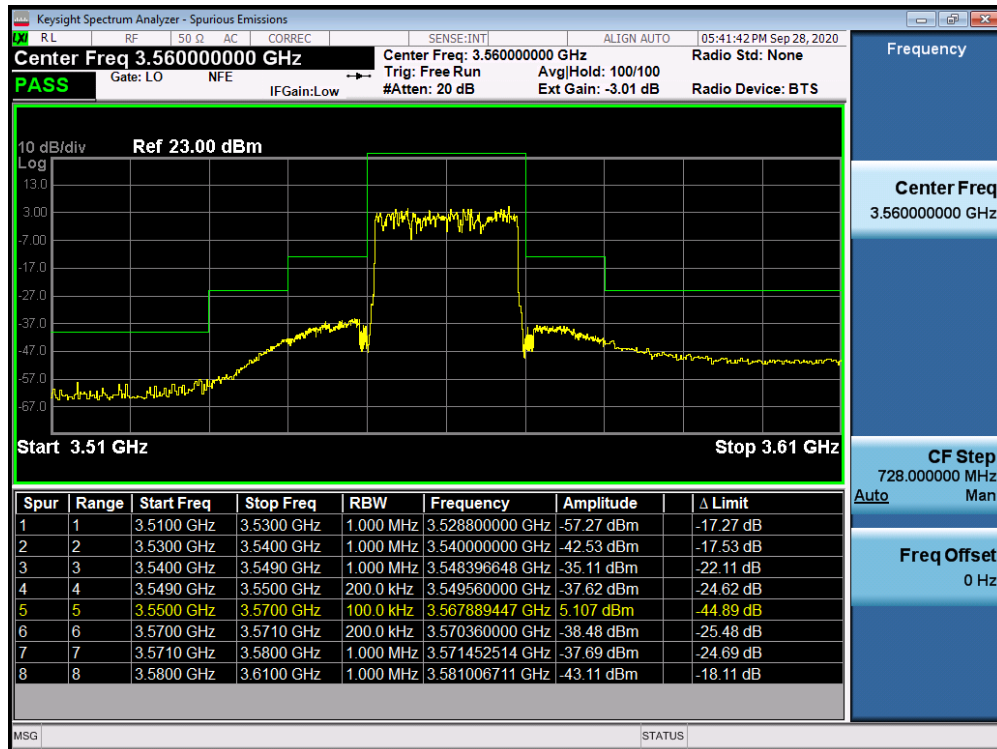


Plot 7-169. Channel Edge Plot (10 MHz Channel Bandwidth, 64QAM, High Channel, Port 0)

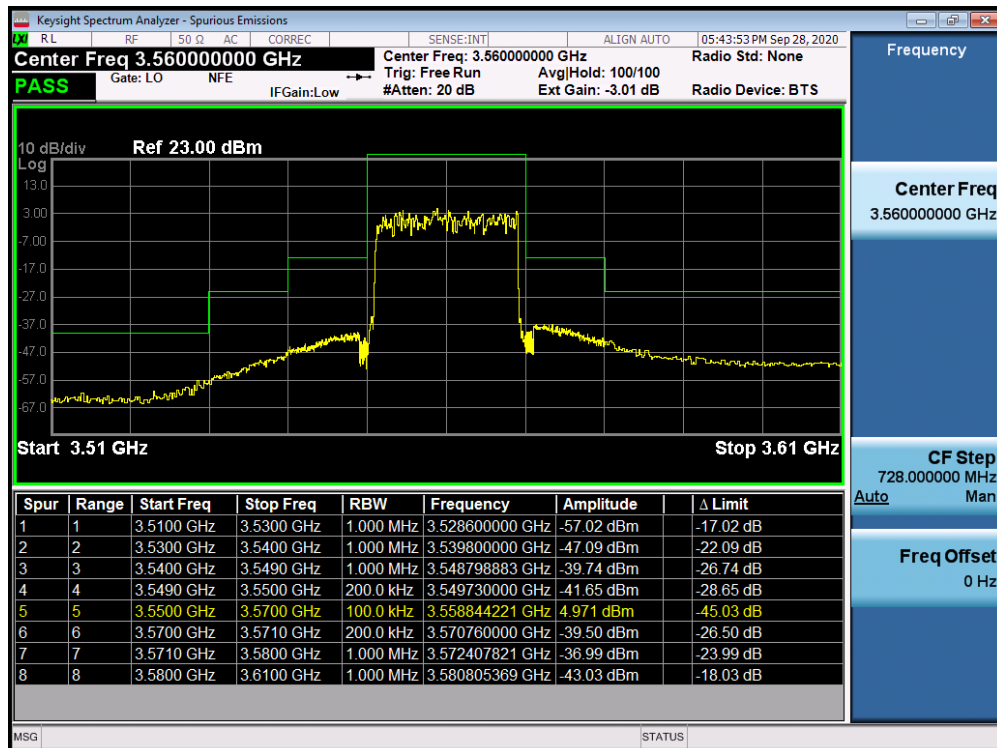


Plot 7-170. Channel Edge Plot (10 MHz Channel Bandwidth, 64QAM, High Channel, Port 1)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 130 of 143

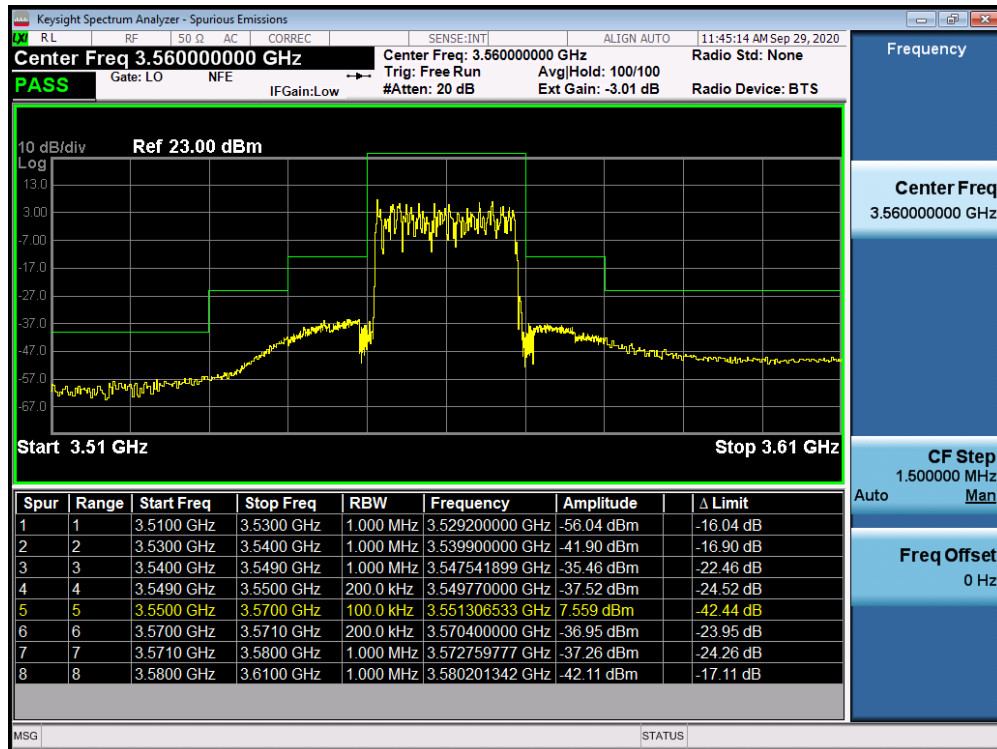


Plot 7-171. Channel Edge Plot (20 MHz Channel Bandwidth, QPSK, Low Channel, Port 0)

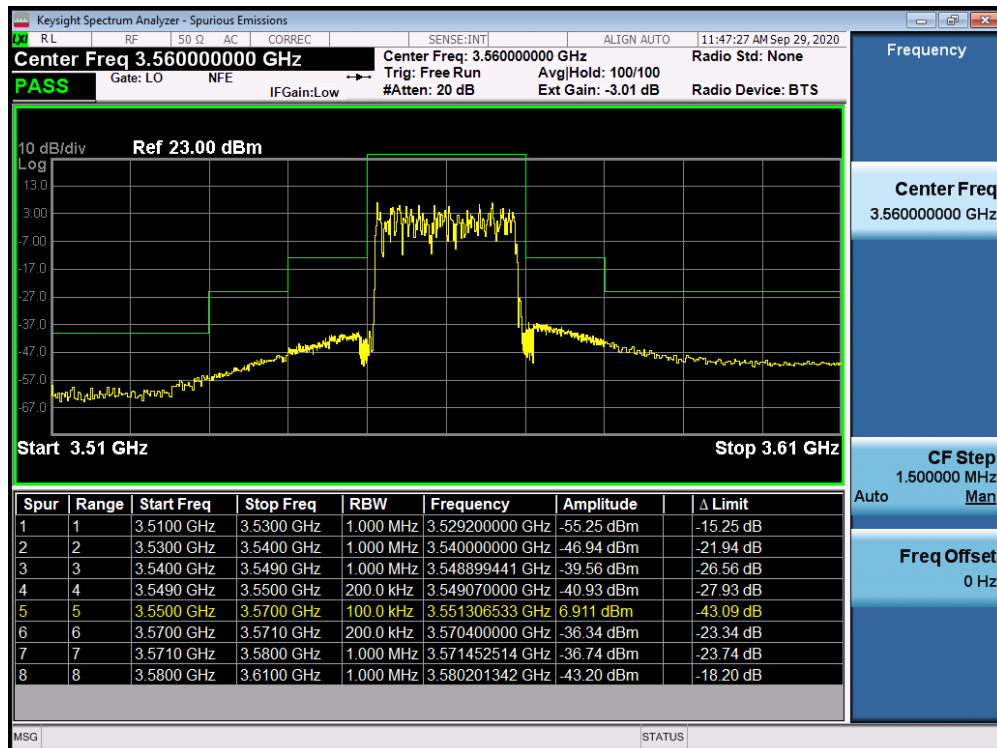


Plot 7-172. Channel Edge Plot (20 MHz Channel Bandwidth, QPSK - Low Channel, Port 1)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 131 of 143

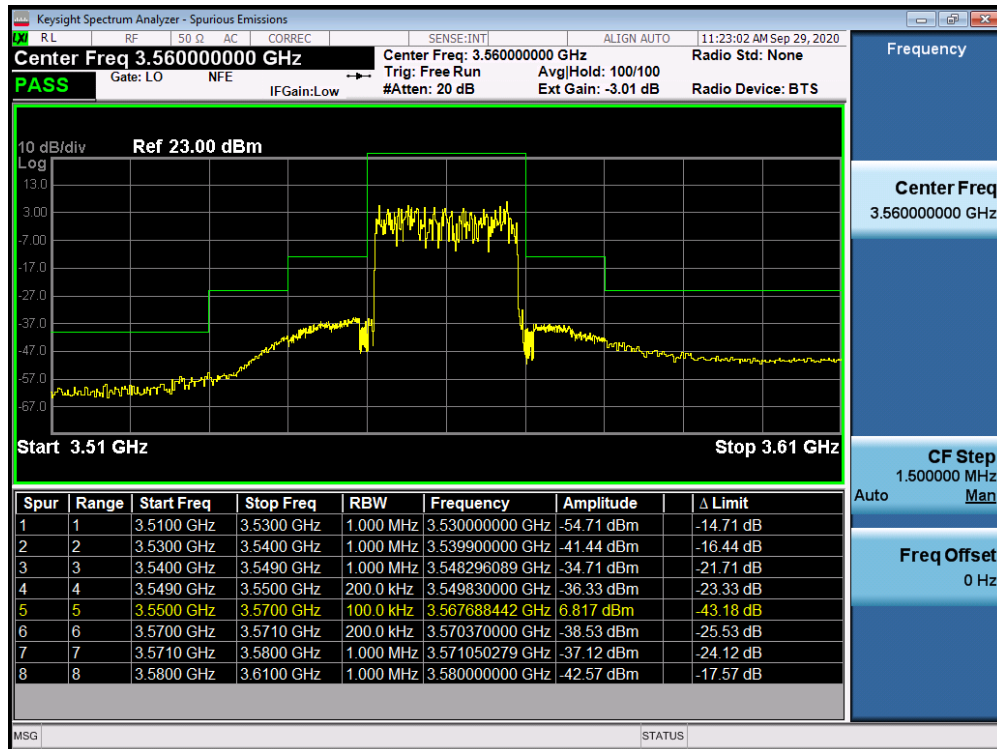


Plot 7-173. Channel Edge Plot (20 MHz Channel Bandwidth, 16QAM, Low Channel, Port 0)

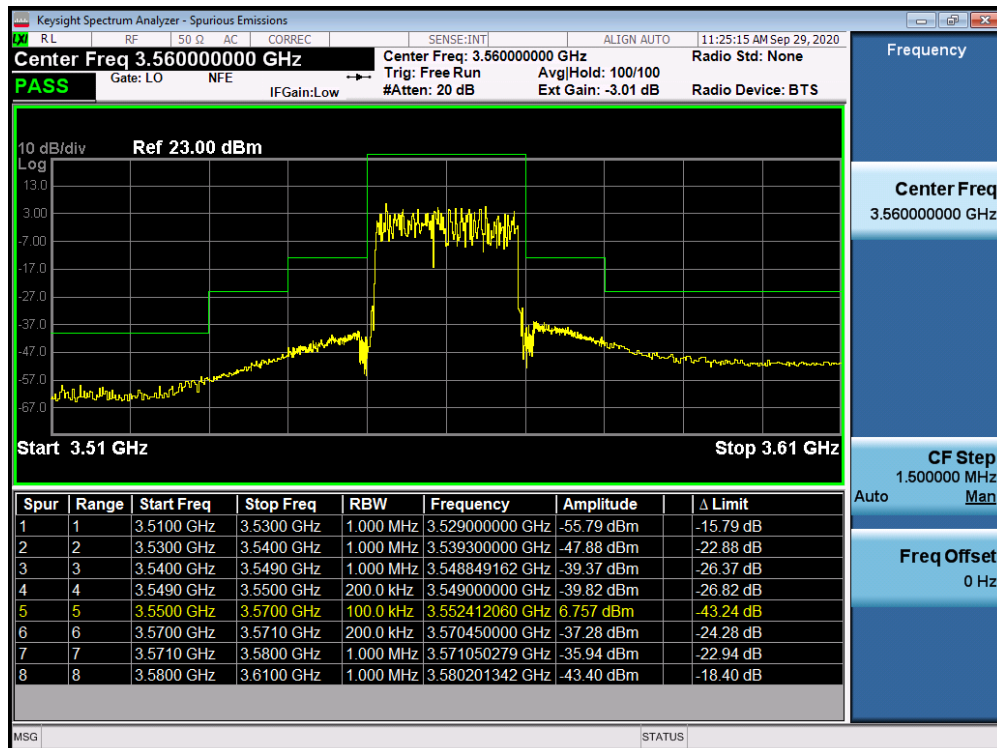


Plot 7-174. Channel Edge Plot (20 MHz Channel Bandwidth, 16QAM, Low Channel, Port 1)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 132 of 143

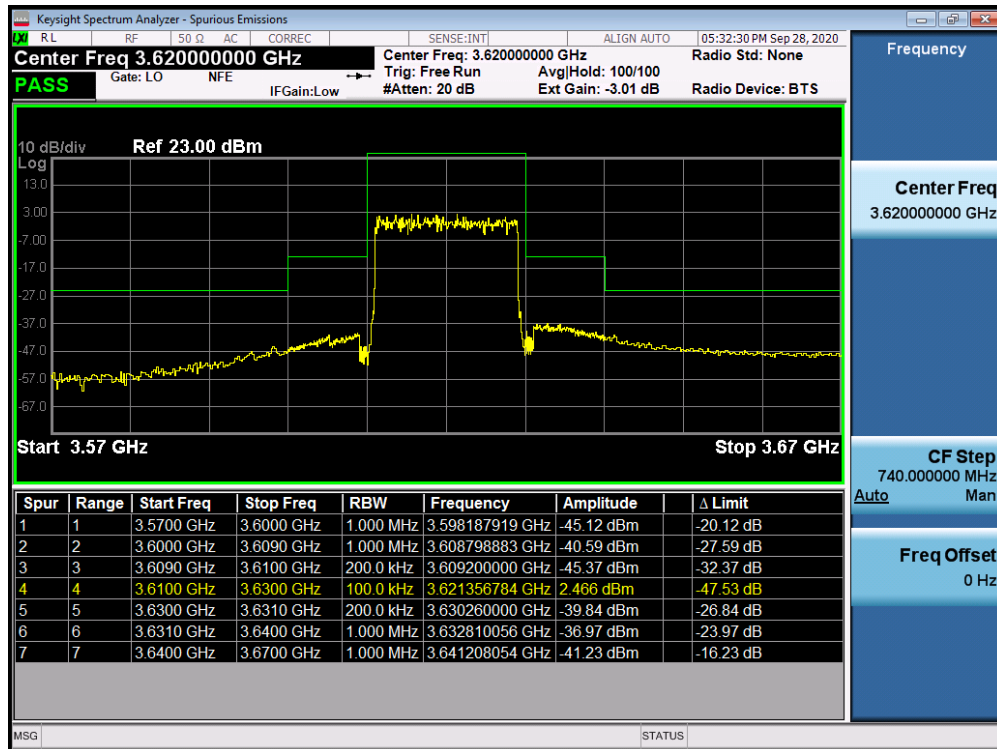


Plot 7-175. Channel Edge Plot (20 MHz Channel Bandwidth, 64QAM, Low Channel, Port 0)

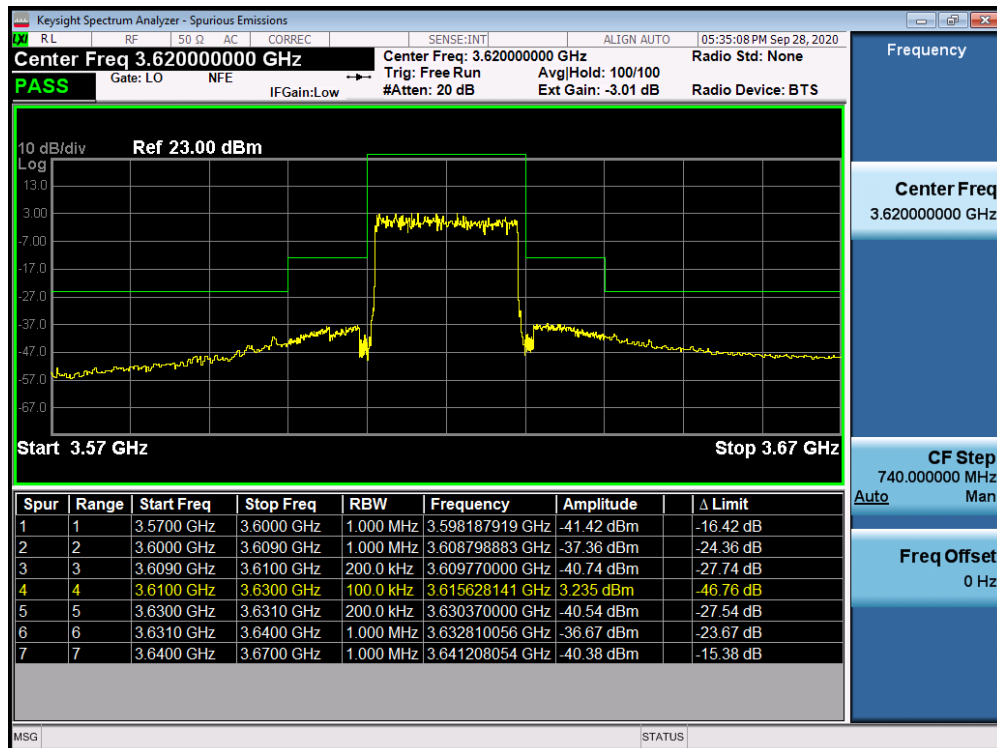


Plot 7-176. Channel Edge Plot (20 MHz Channel Bandwidth, 64QAM, Low Channel, Port 1)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 133 of 143

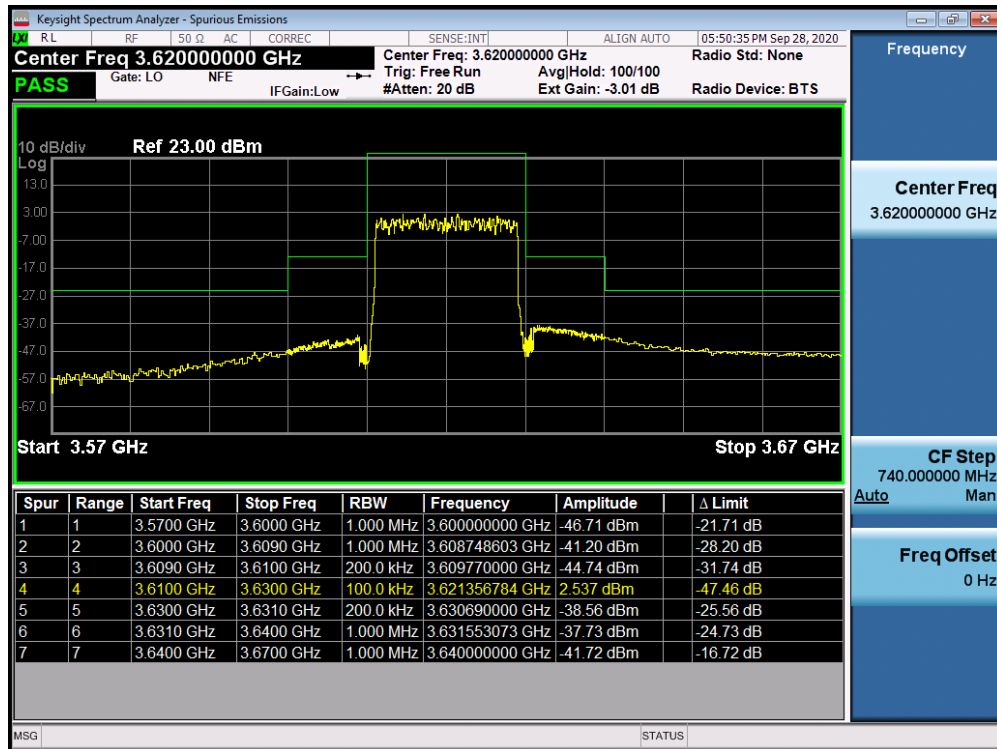


Plot 7-177. Channel Edge Plot (20 MHz Channel Bandwidth, QPSK, Mid Channel, Port 0)

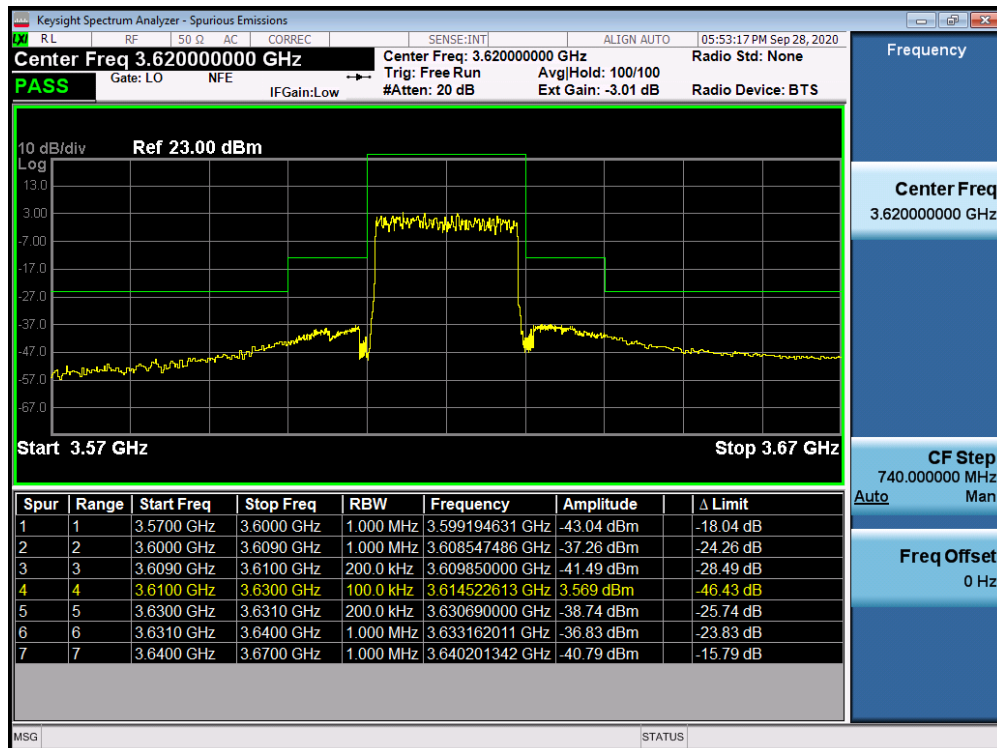


Plot 7-178. Channel Edge Plot (20 MHz Channel Bandwidth, QPSK, Mid Channel, Port 1)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 134 of 143



Plot 7-179. Channel Edge Plot (20 MHz Channel Bandwidth, 16QAM, Mid Channel, Port 0)



Plot 7-180. Channel Edge Plot (20 MHz Channel Bandwidth, 16QAM, Mid Channel, Port 1)

FCC ID: 2AXTR-ECL2248-2723	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 8K20091701-01-R3.2AXTR	Test Dates: 9/17/2020 - 10/27/2020	EUT Type: LTE enterprise small cell base station	Page 135 of 143