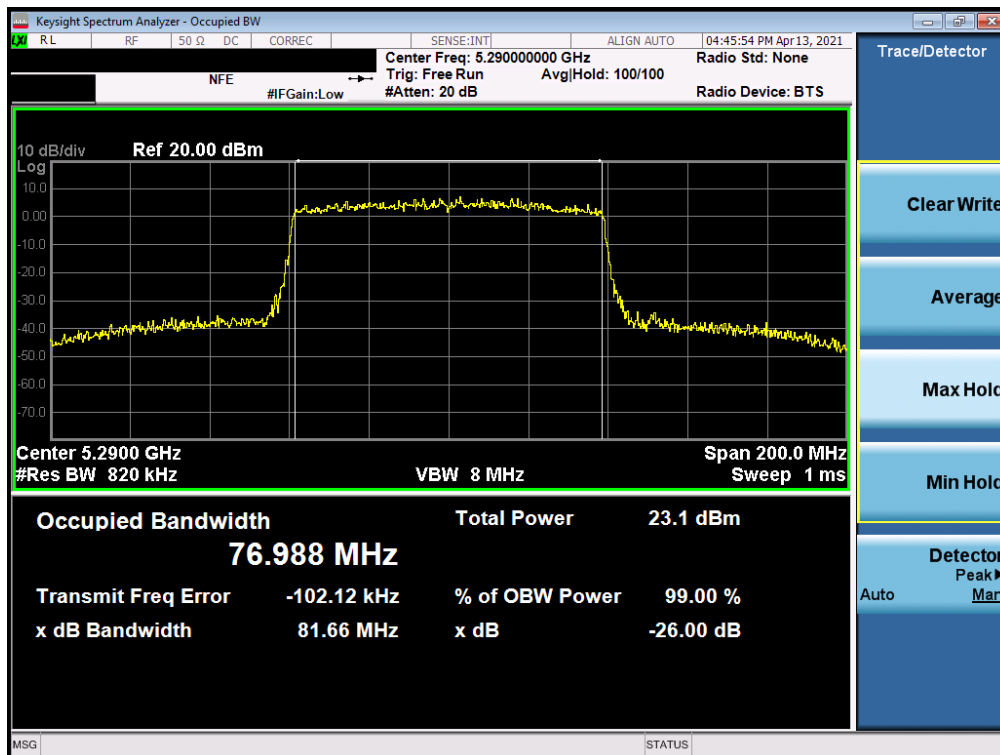
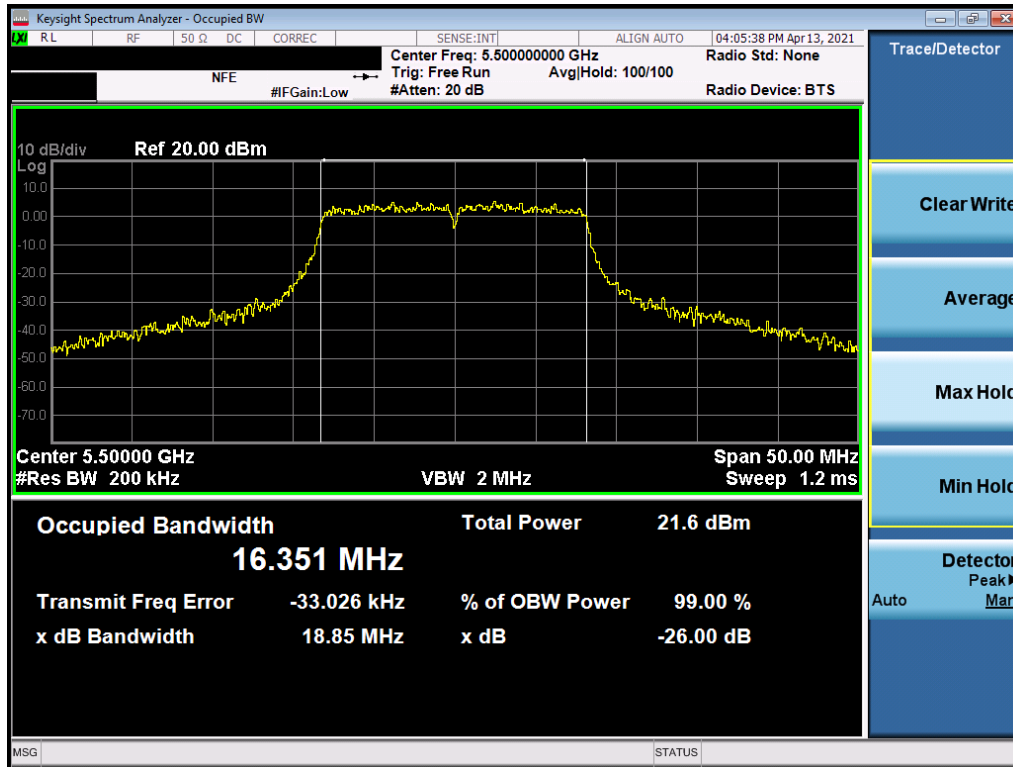


Plot 7-86. 26dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 2A) – Ch. 58)



Plot 7-87. 26dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11ax (UNII Band 2A) – Ch. 58)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 61 of 309



Plot 7-88. 26dB Bandwidth Plot MIMO ANT1 (802.11a (UNII Band 2C) – Ch. 100)

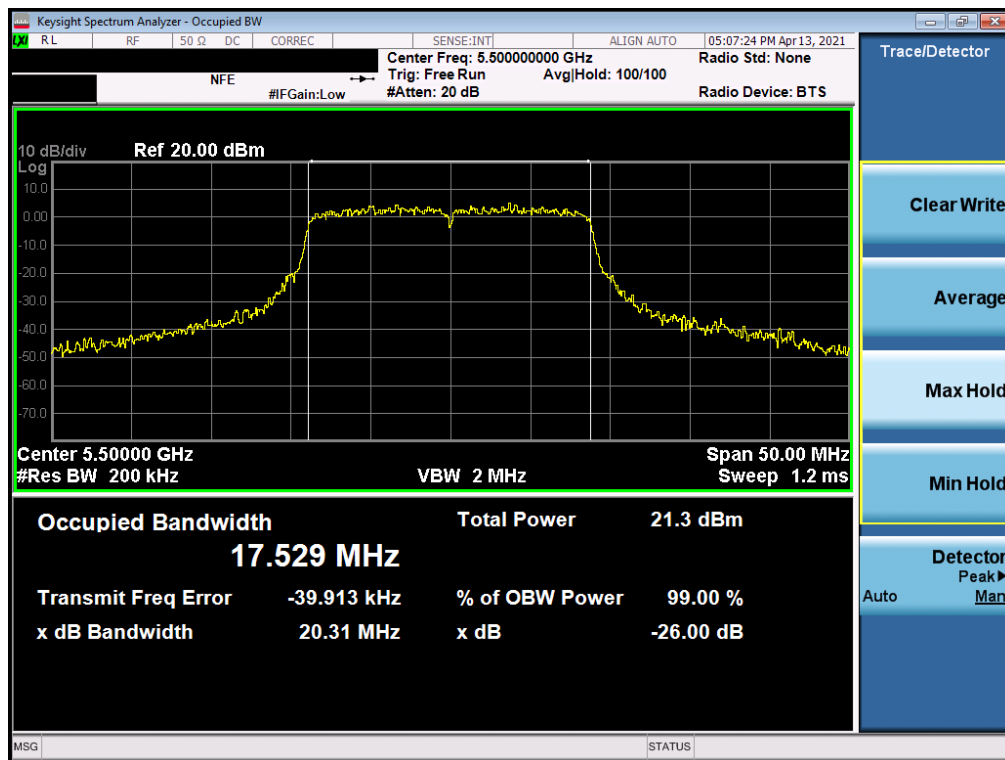


Plot 7-89. 26dB Bandwidth Plot MIMO ANT1 (802.11a (UNII Band 2C) – Ch. 120)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 62 of 309

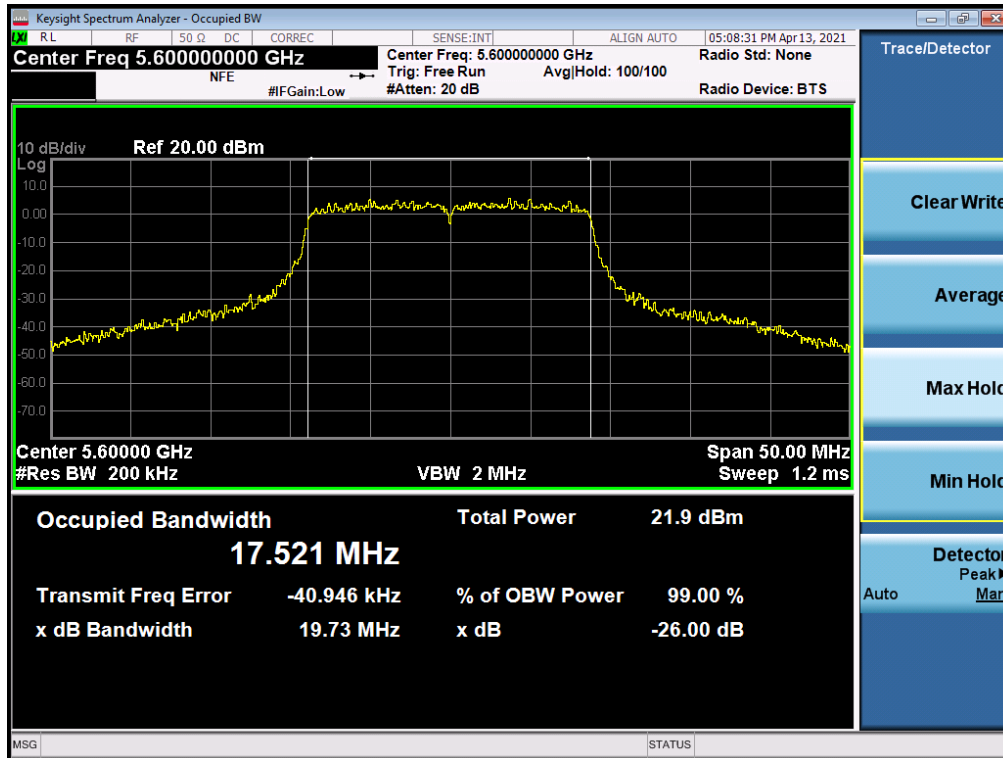


Plot 7-90. 26dB Bandwidth Plot MIMO ANT1 (802.11a (UNII Band 2C) – Ch. 144)

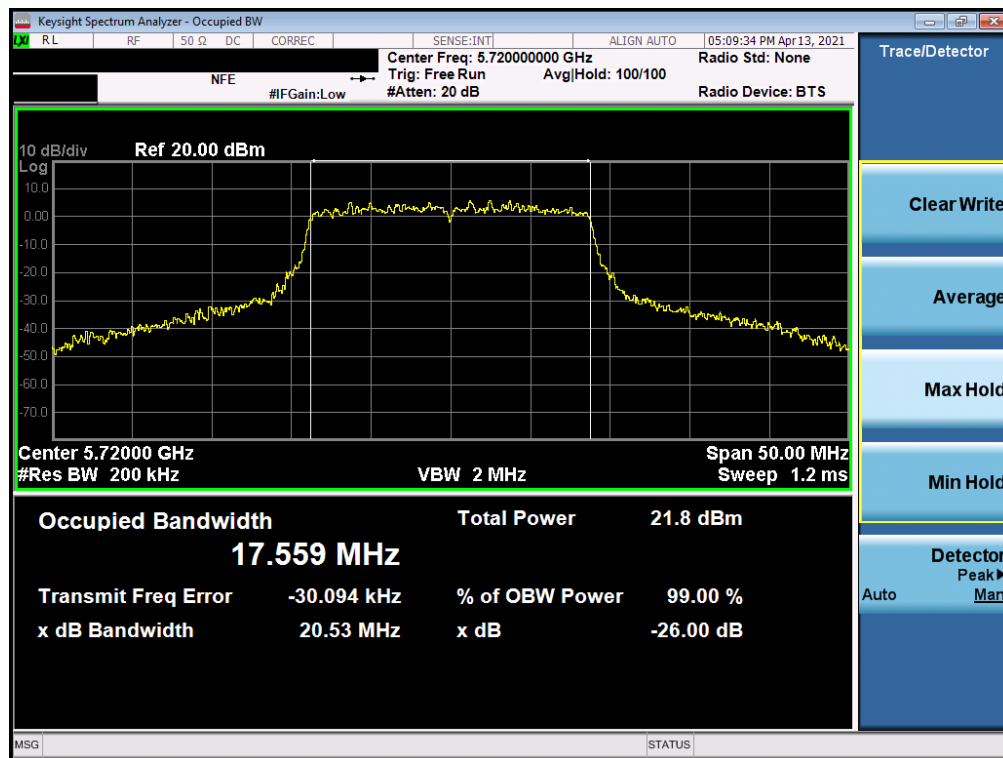


Plot 7-91. 26dB Bandwidth Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2C) – Ch. 100)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 63 of 309

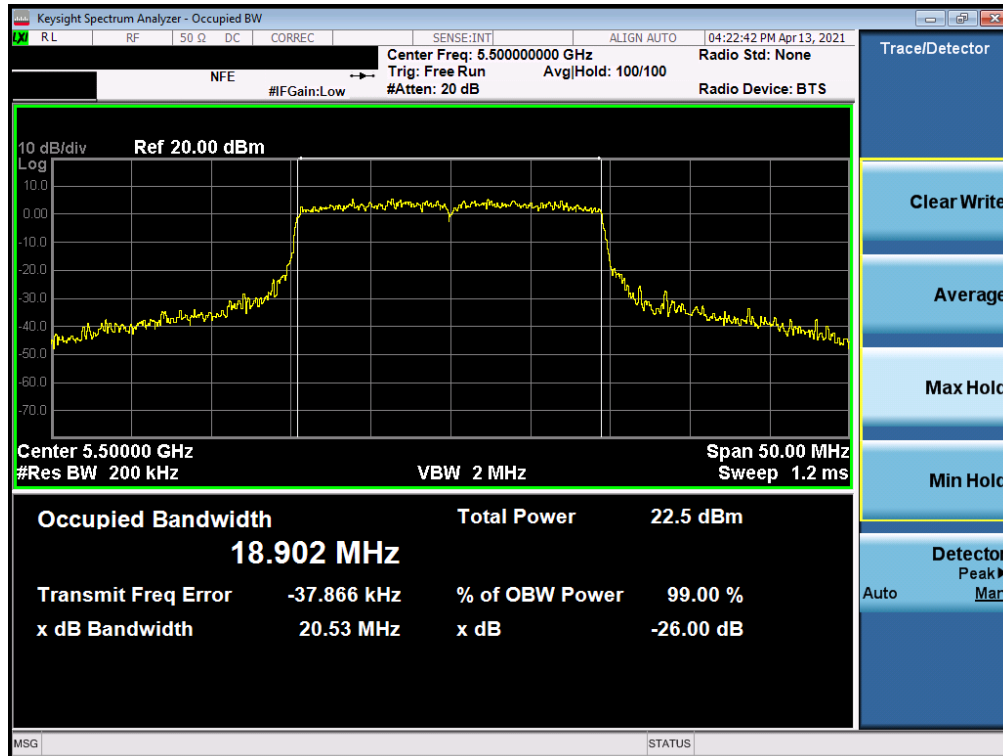


Plot 7-92. 26dB Bandwidth Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2C) – Ch. 120)

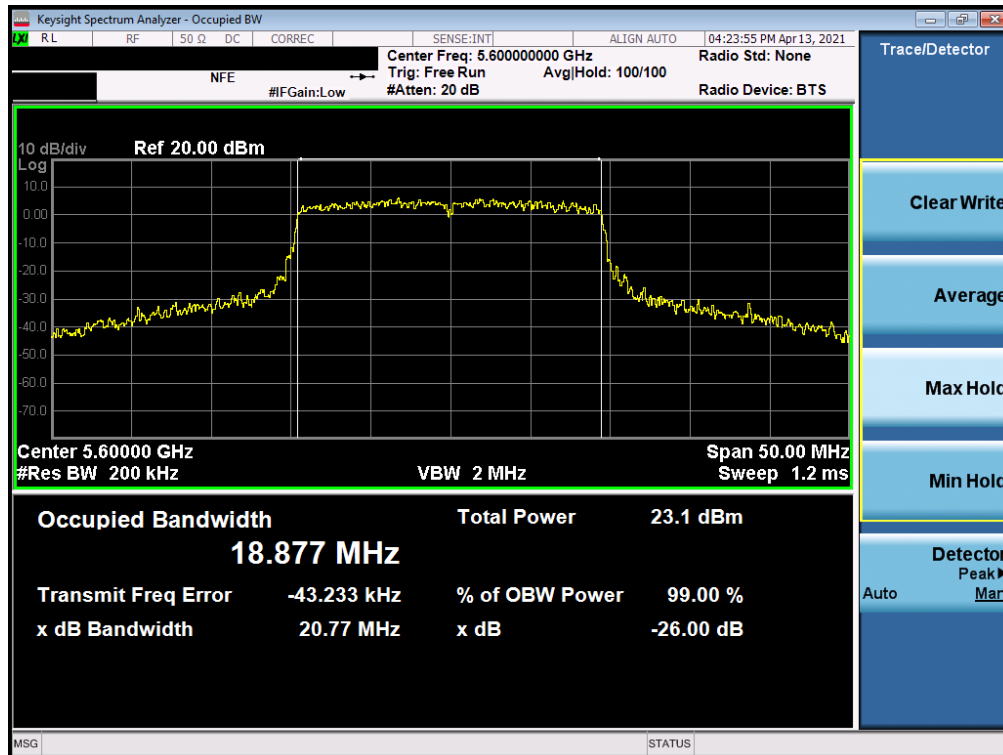


Plot 7-93. 26dB Bandwidth Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 2C) – Ch. 144)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 64 of 309

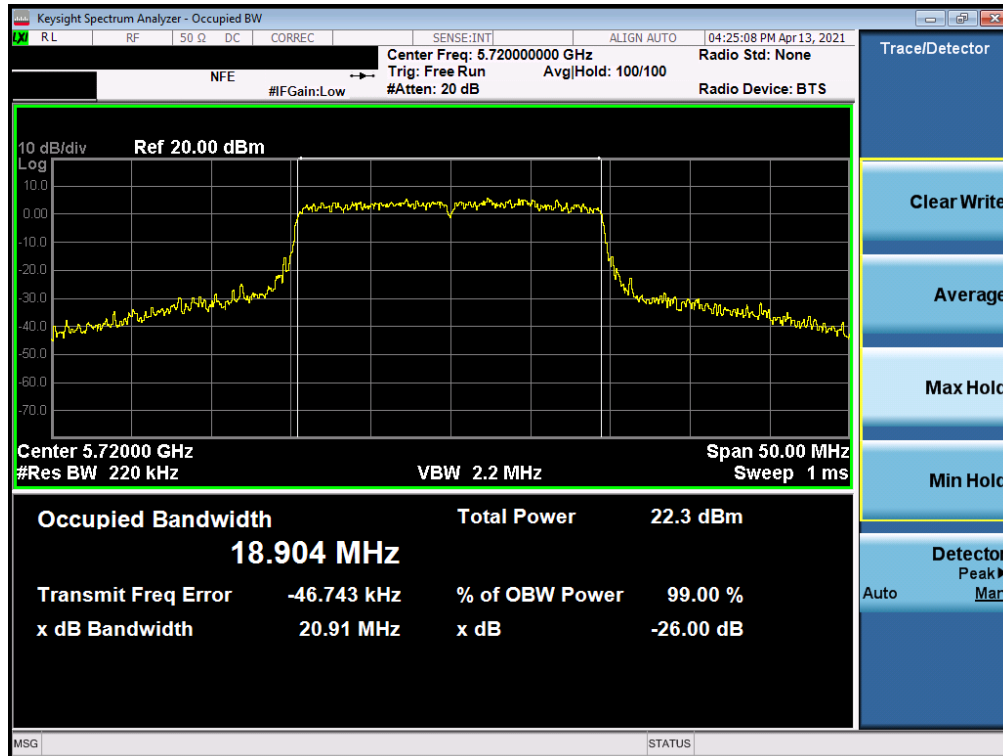


Plot 7-94. 26dB Bandwidth Plot MIMO ANT1 (20MHz BW 802.11ax (UNII Band 2C) – Ch. 100)

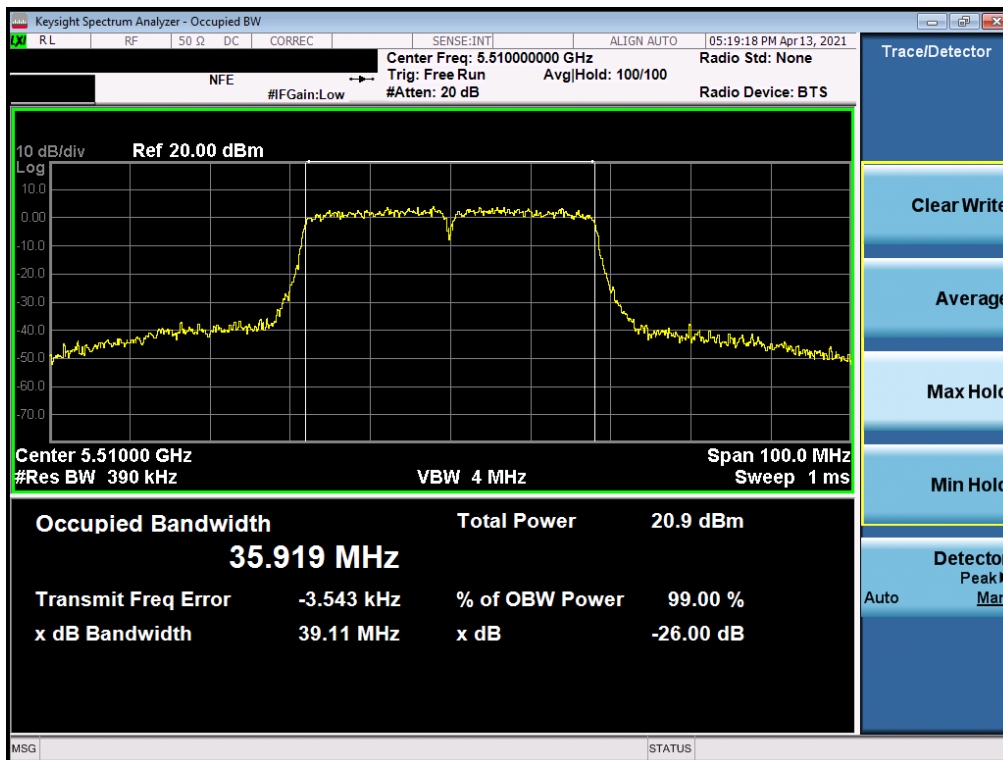


Plot 7-95. 26dB Bandwidth Plot MIMO ANT1 (20MHz BW 802.11ax (UNII Band 2C) – Ch. 120)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 65 of 309

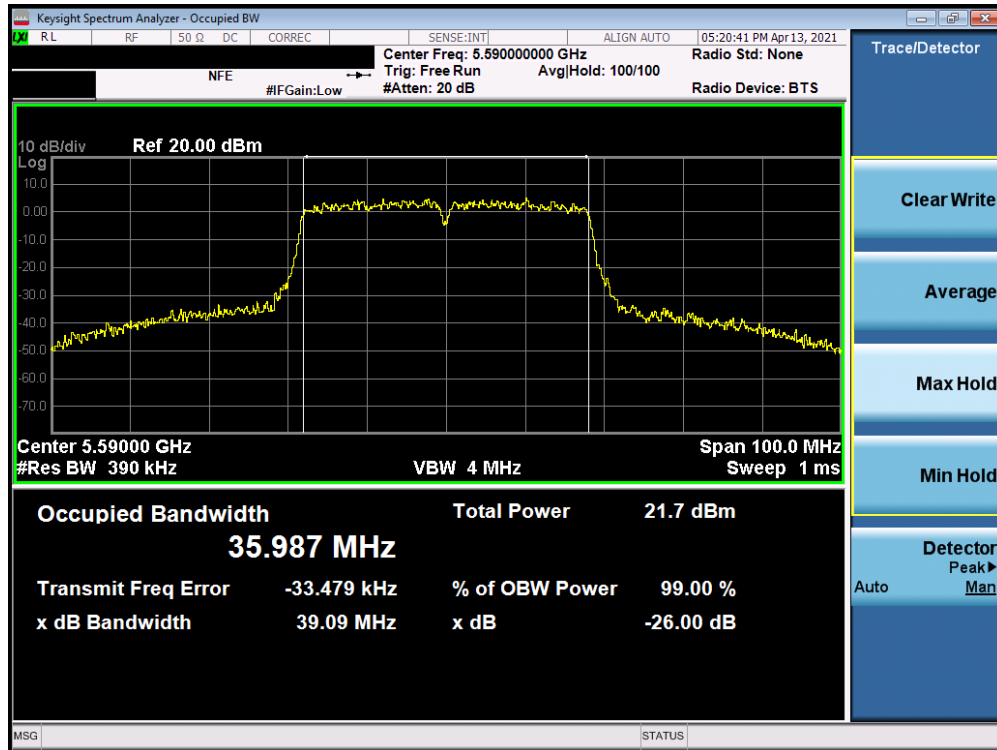


Plot 7-96. 26dB Bandwidth Plot MIMO ANT1 (20MHz BW 802.11ax (UNII Band 2C) – Ch. 144)

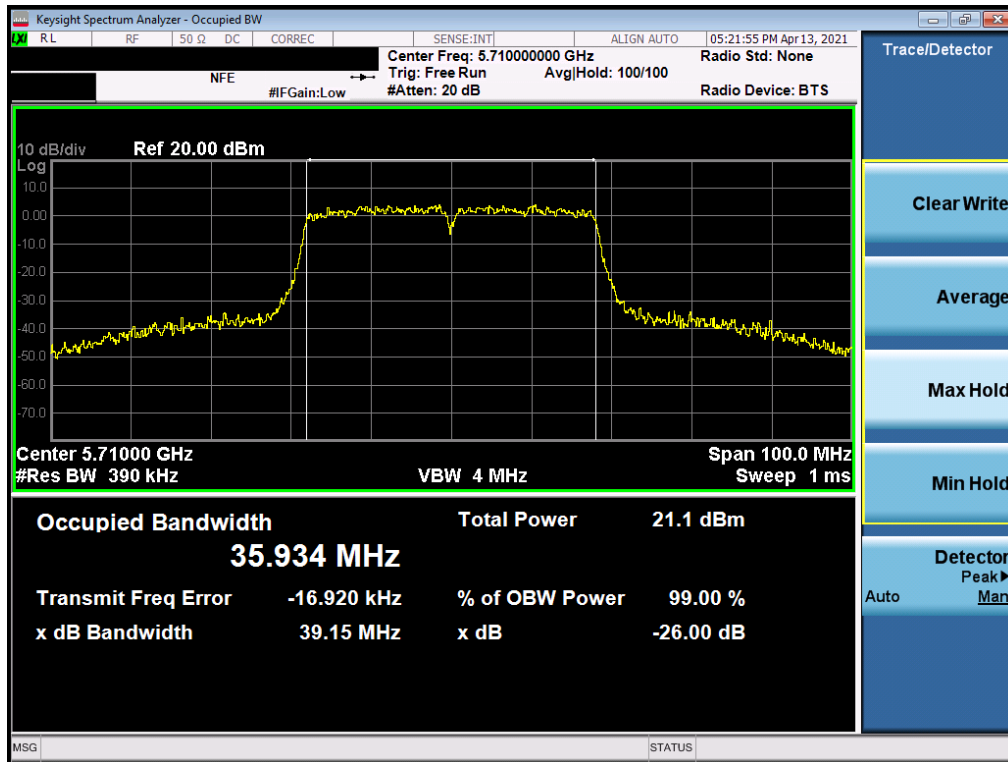


Plot 7-97. 26dB Bandwidth Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 2C) – Ch. 102)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 66 of 309

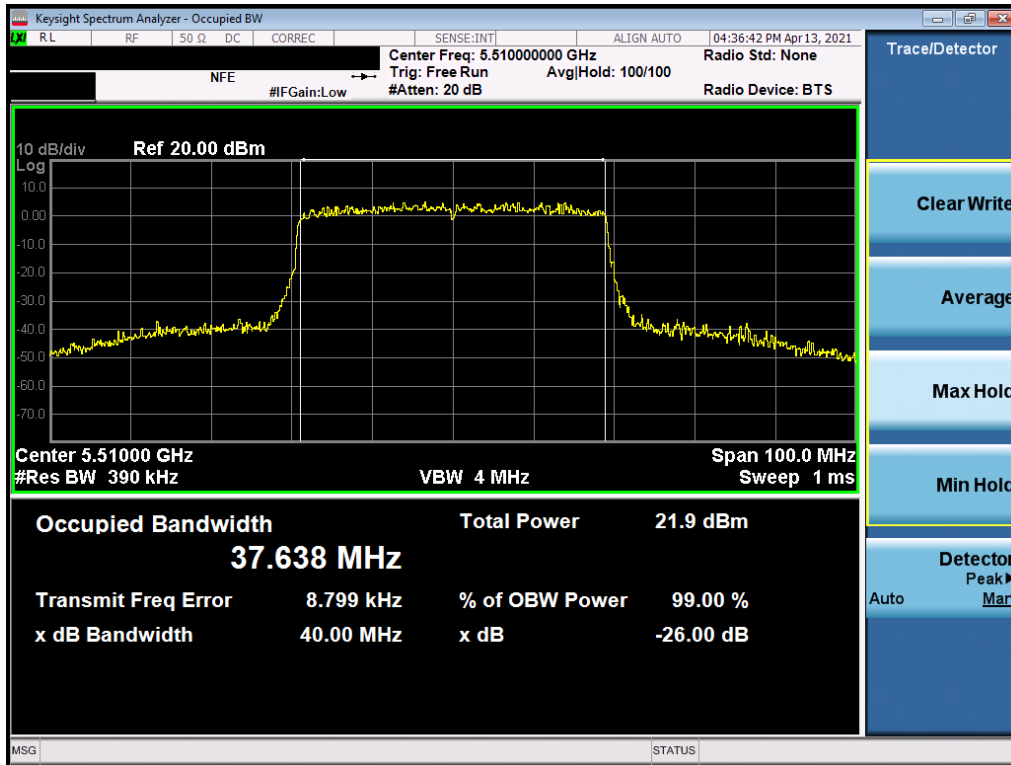


Plot 7-98. 26dB Bandwidth Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 2C) – Ch. 118)

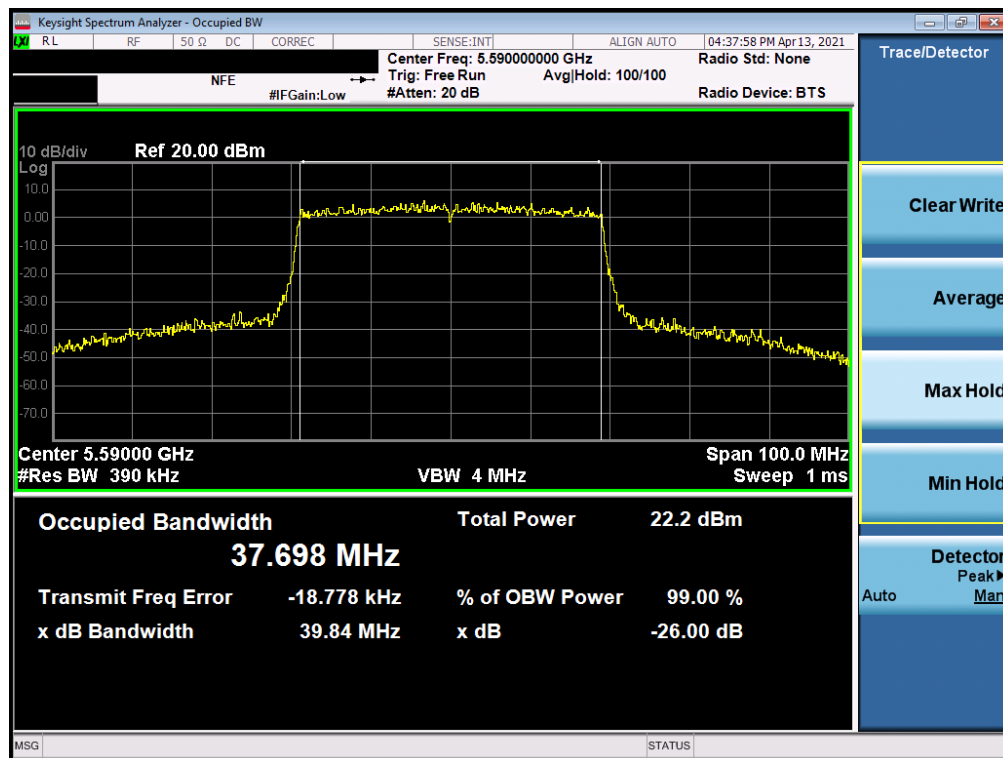


Plot 7-99. 26dB Bandwidth Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 2C) – Ch. 142)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 67 of 309

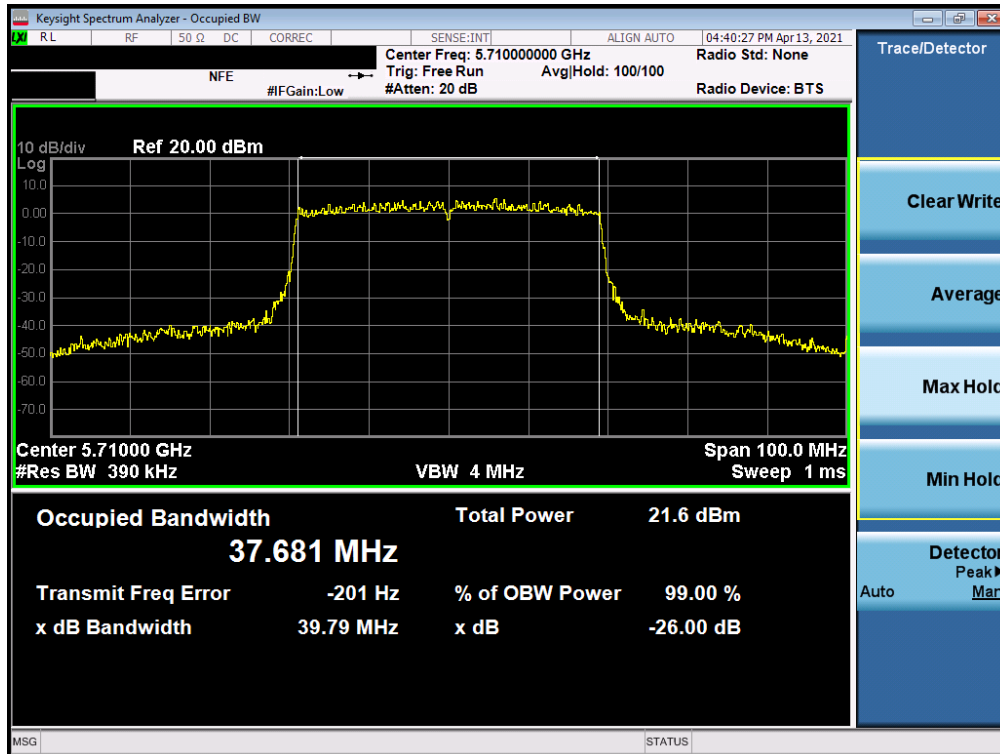


Plot 7-100. 26dB Bandwidth Plot MIMO ANT1 (40MHz BW 802.11ax (UNII Band 2C) – Ch. 102)

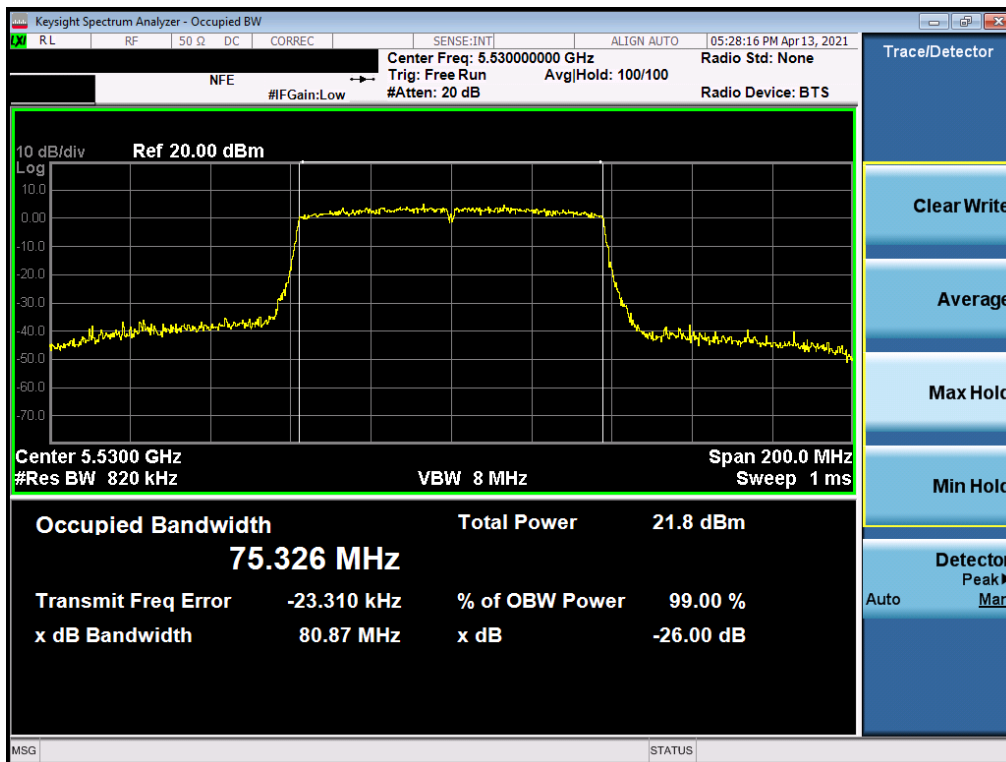


Plot 7-101. 26dB Bandwidth Plot MIMO ANT1 (40MHz BW 802.11ax (UNII Band 2C) – Ch. 118)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 68 of 309

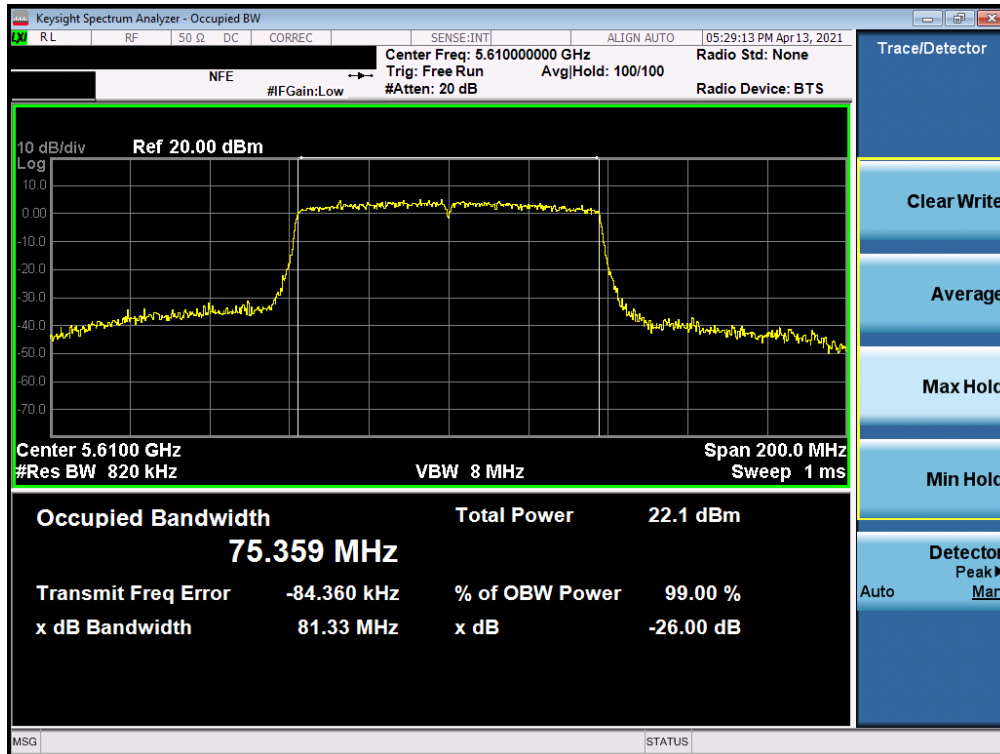


Plot 7-102. 26dB Bandwidth Plot MIMO ANT1 (40MHz BW 802.11ax (UNII Band 2C) – Ch. 142)

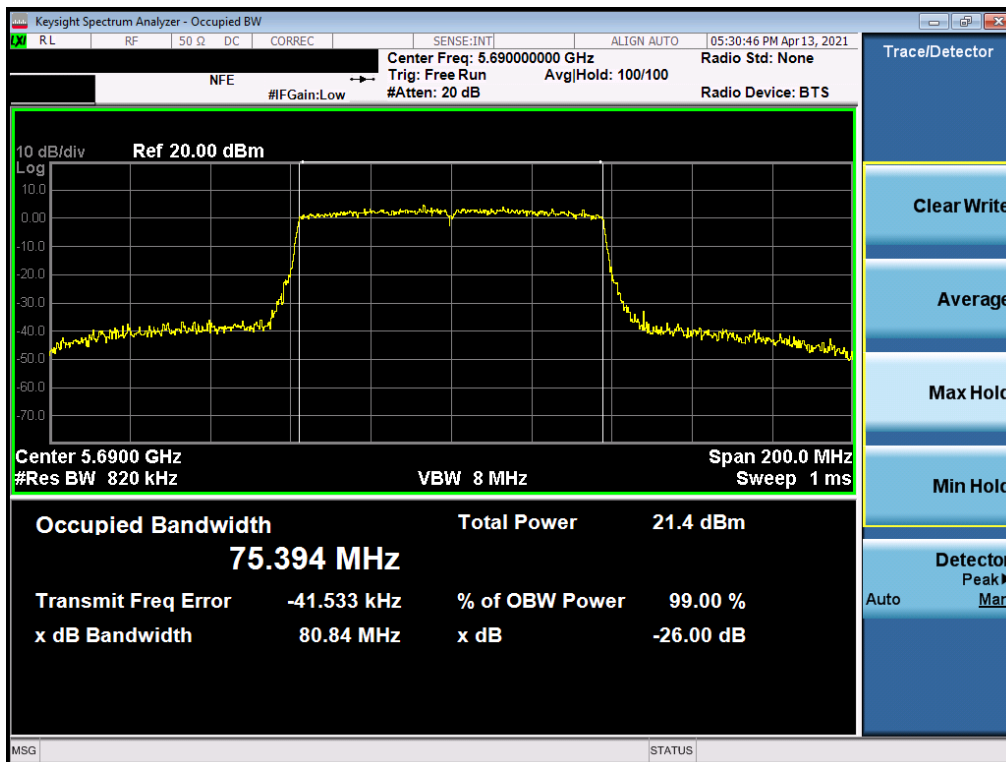


Plot 7-103. 26dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 106)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 69 of 309

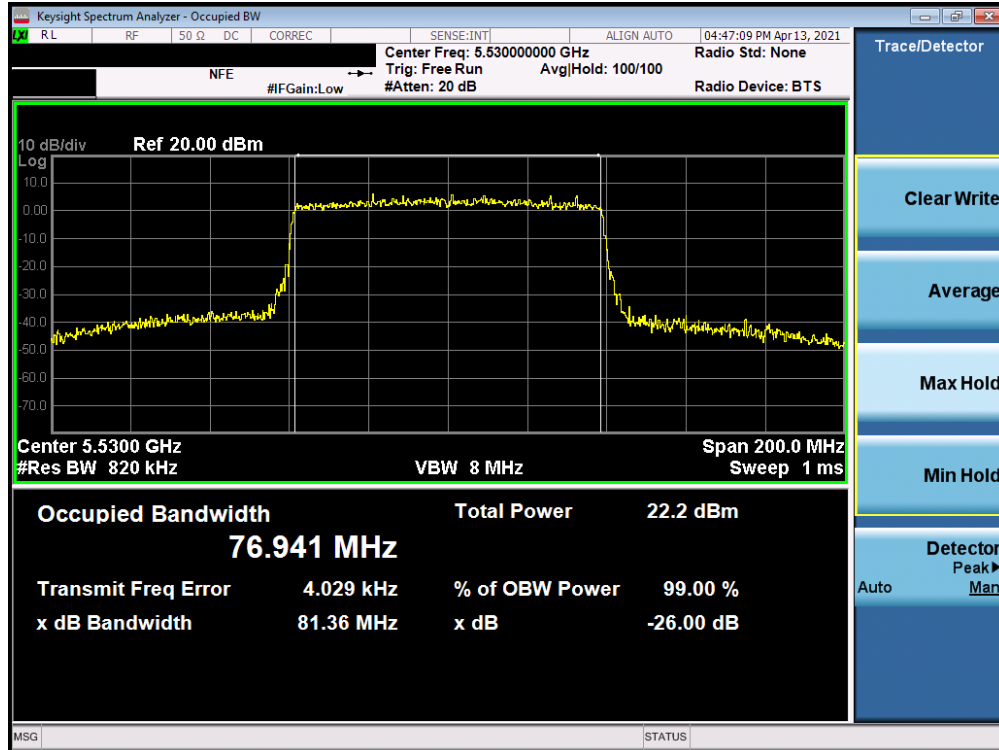


Plot 7-104. 26dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 122)

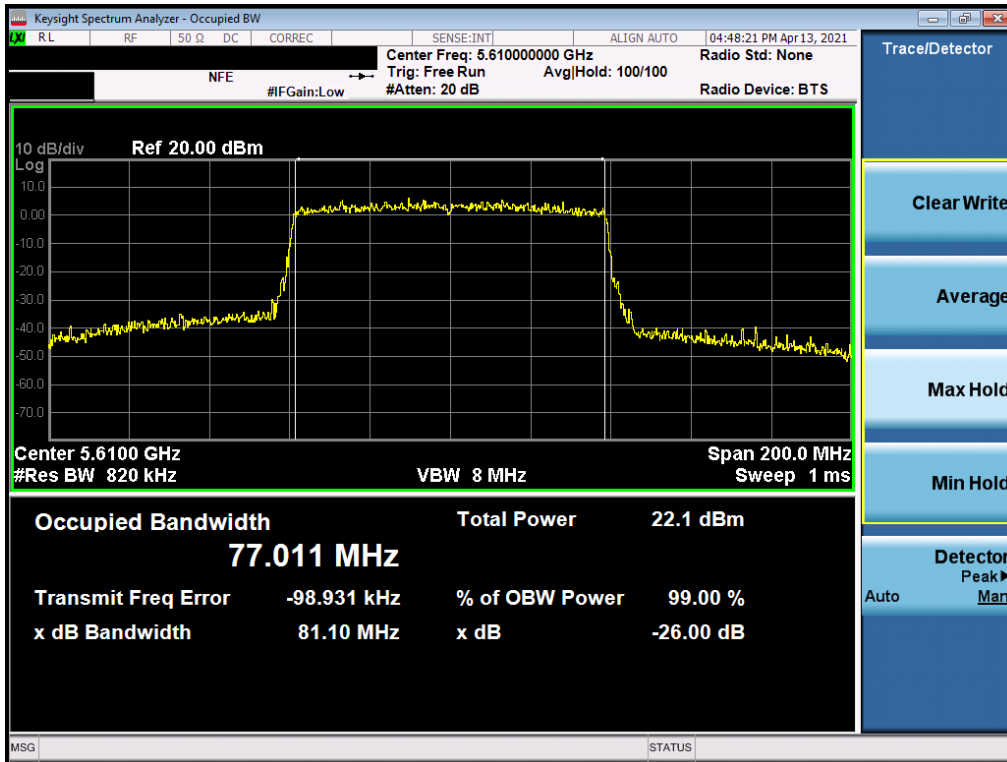


Plot 7-105. 26dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 138)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 70 of 309

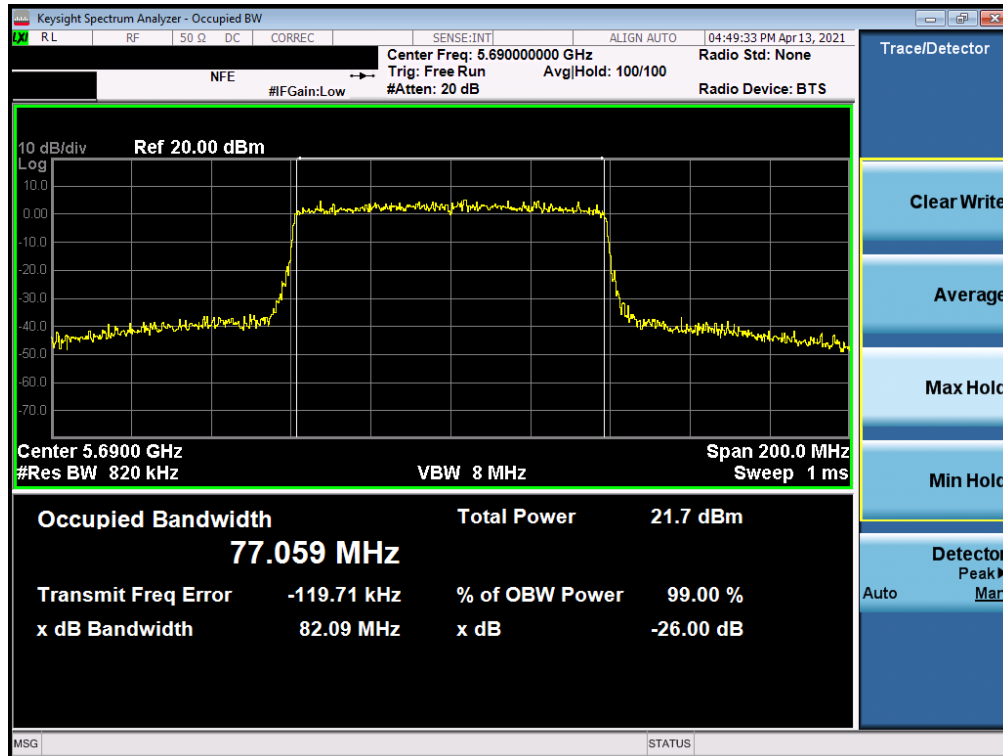


Plot 7-106. 26dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11ax (UNII Band 2C) – Ch. 106)

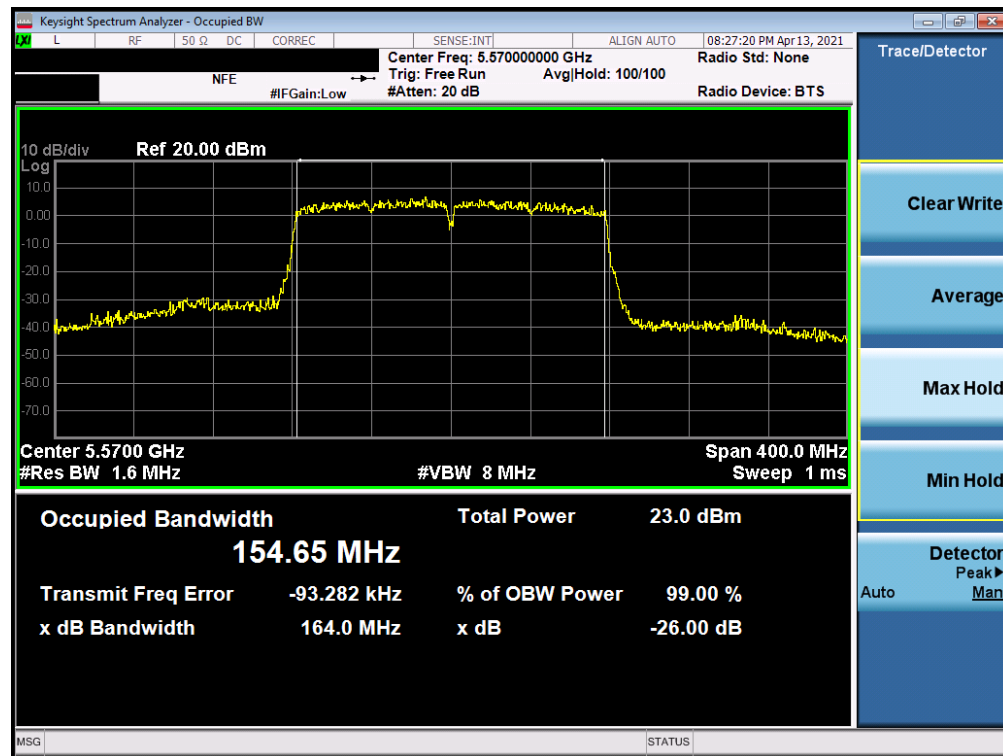


Plot 7-107. 26dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11ax (UNII Band 2C) – Ch. 122)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 71 of 309

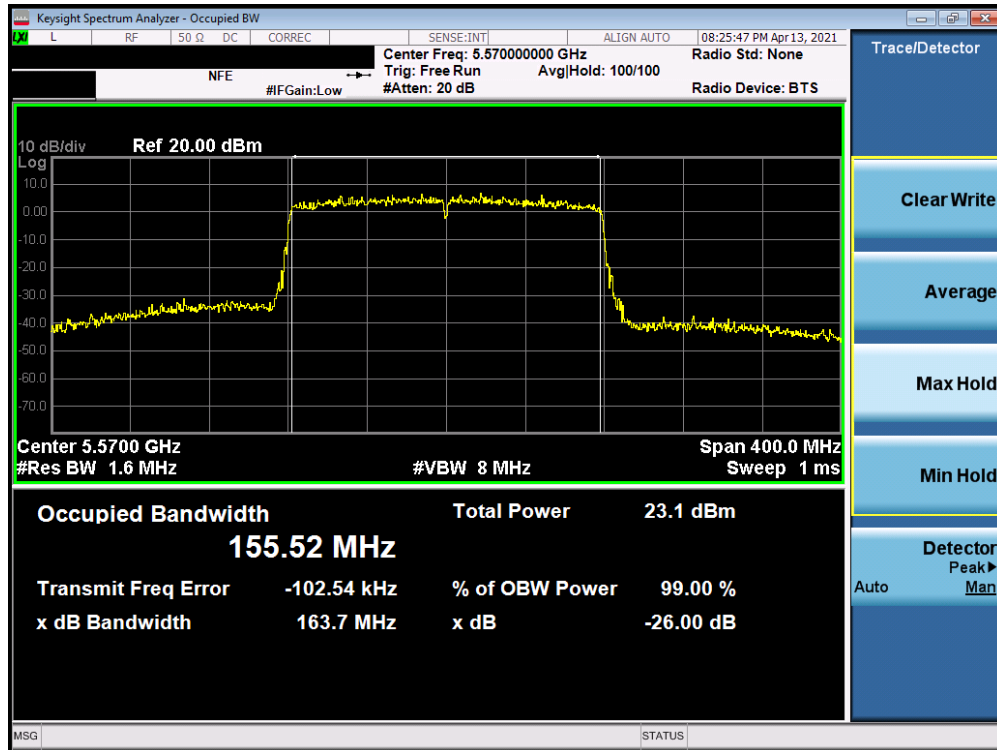


Plot 7-108. 26dB Bandwidth Plot MIMO ANT1 (80MHz BW 802.11ax (UNII Band 2C) – Ch. 138)



Plot 7-109. 26dB Bandwidth Plot MIMO ANT1 (160MHz BW 802.11ac (UNII Band 2C) – Ch. 114)

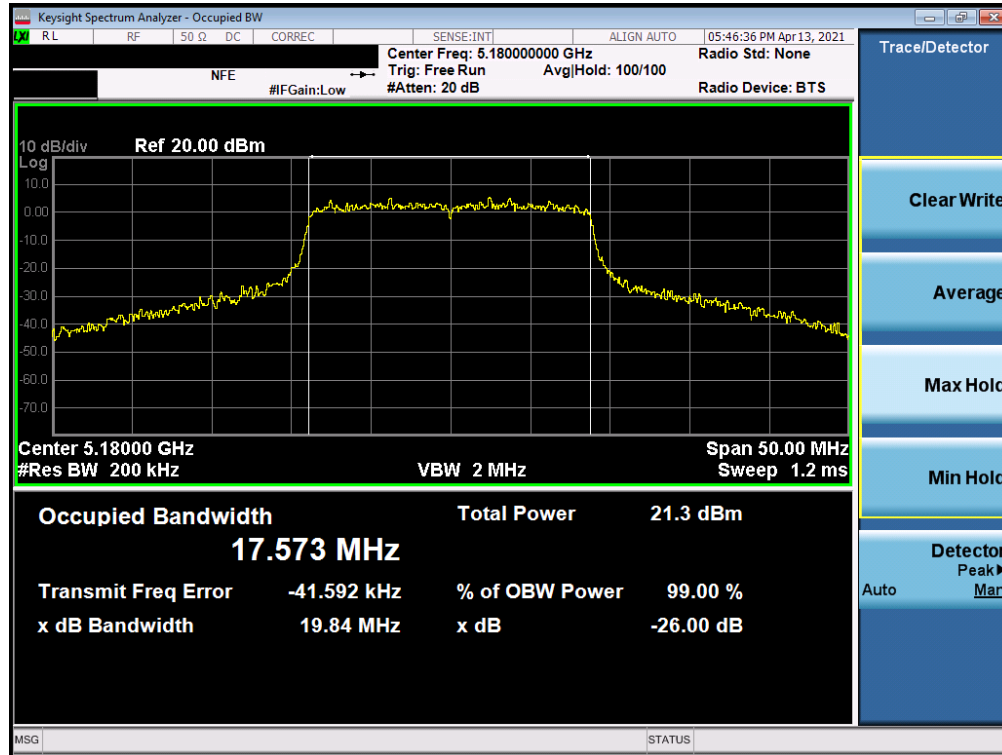
FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 72 of 309



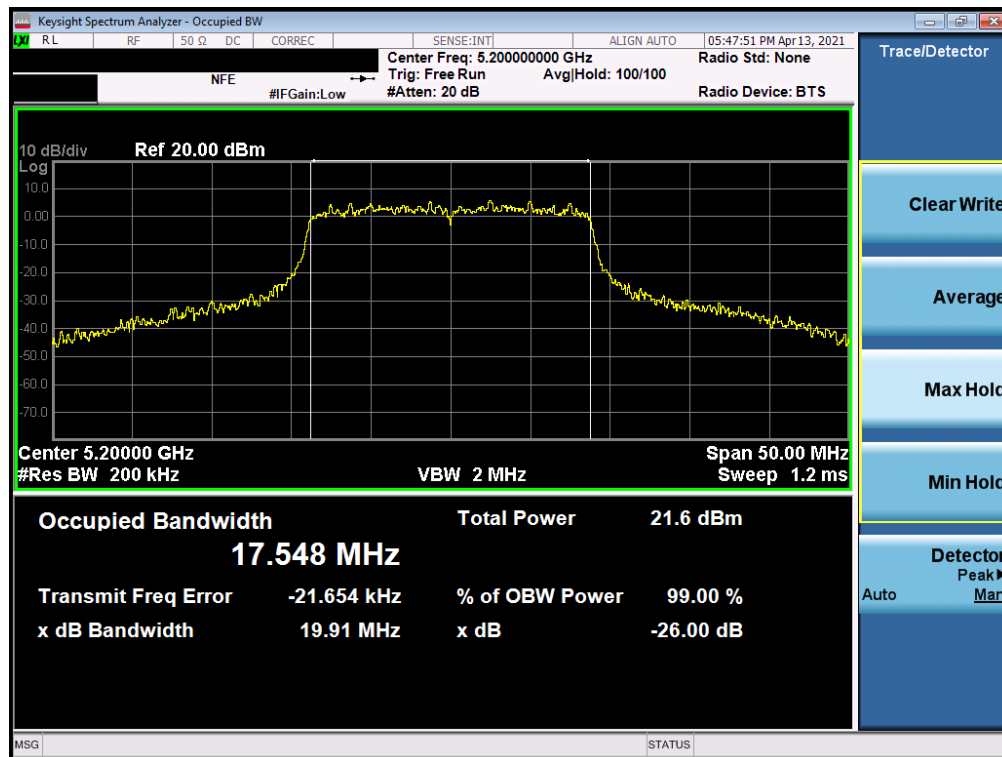
Plot 7-110. 26dB Bandwidth Plot MIMO ANT1 (160MHz BW 802.11ax (UNII Band 2C) – Ch. 114)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 73 of 309

MIMO Antenna 2 26dB BW

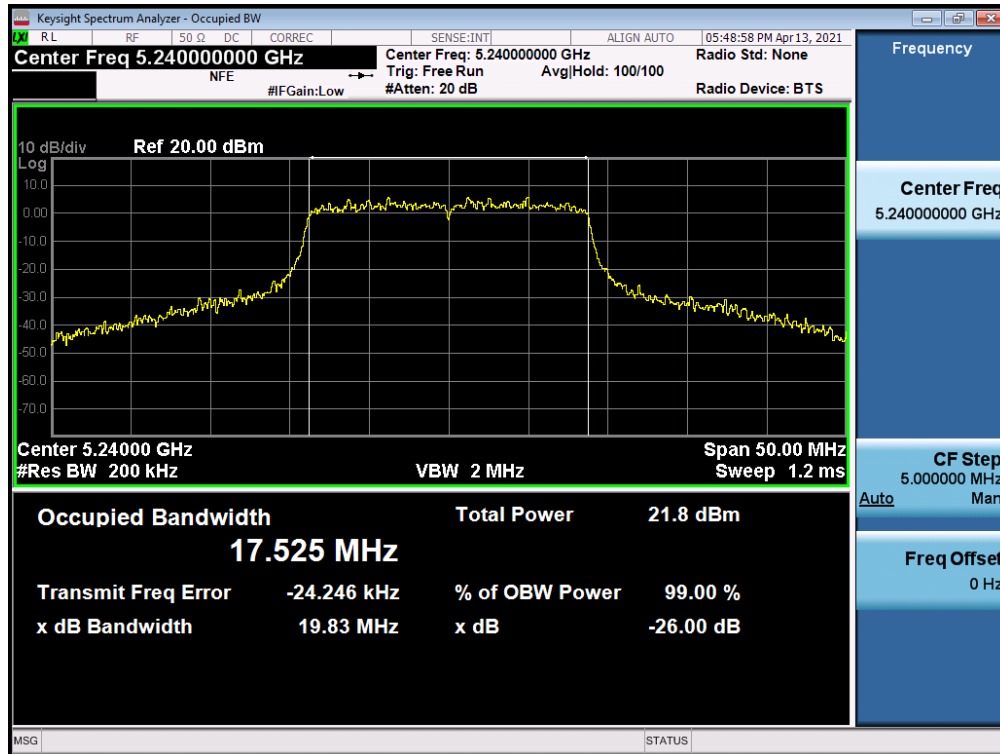


Plot 7-111. 26dB Bandwidth Plot MIMO ANT2 (802.11a (UNII Band 1) – Ch. 36)

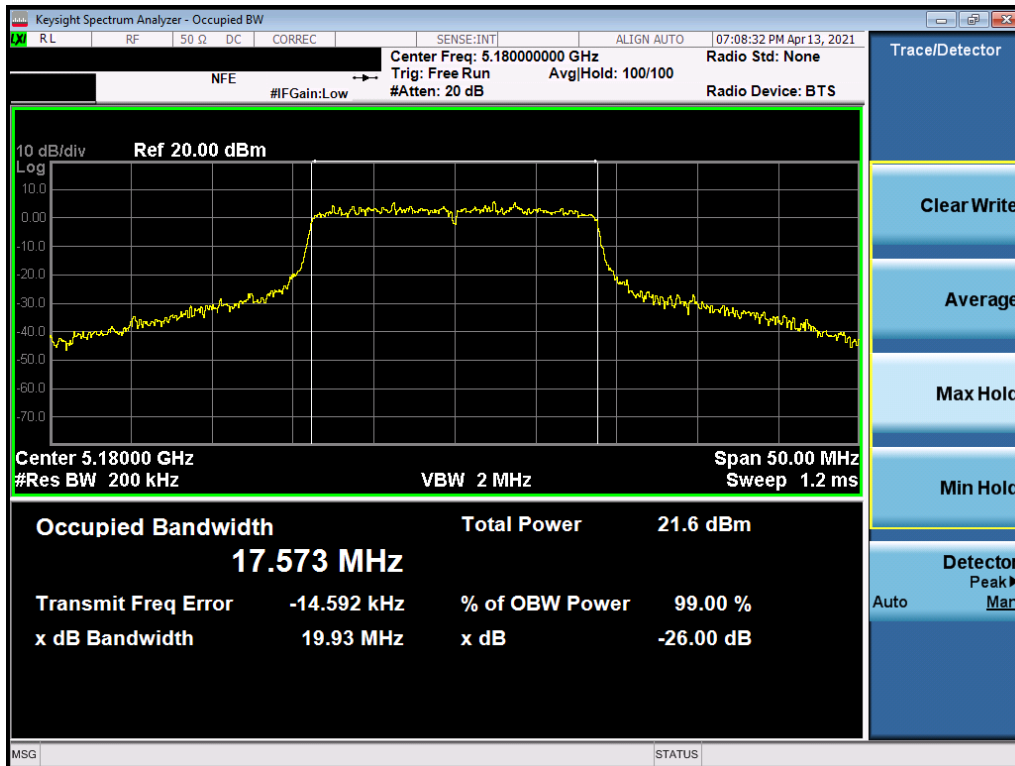


Plot 7-112. 26dB Bandwidth Plot MIMO ANT2 (802.11a (UNII Band 1) – Ch. 40)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 74 of 309

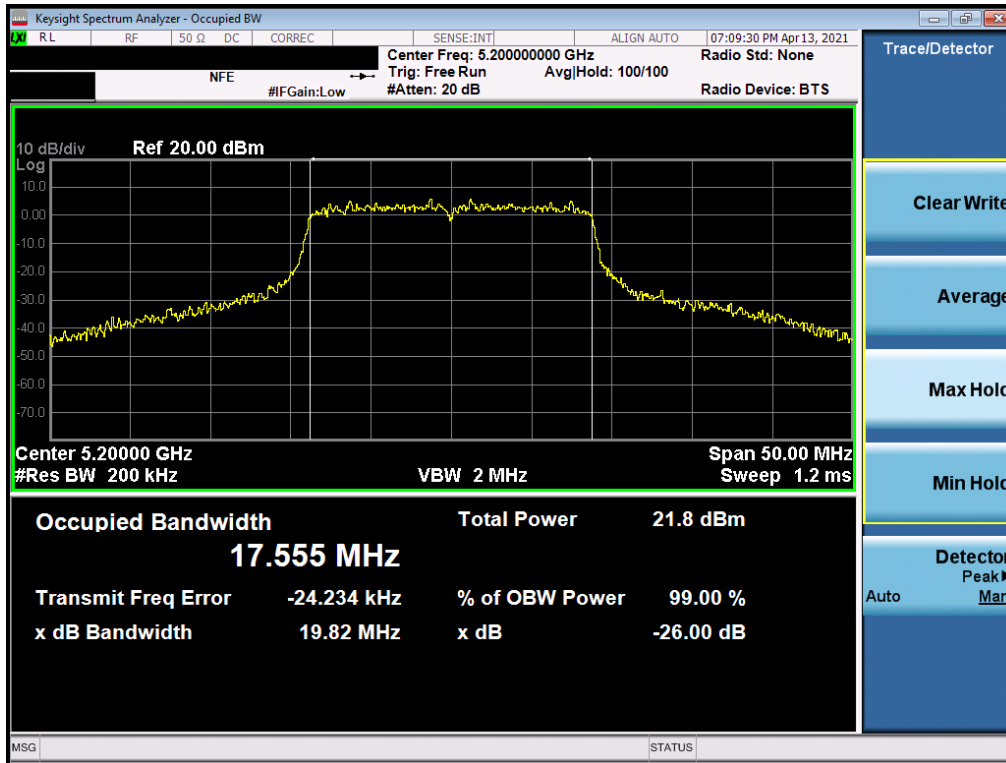


Plot 7-113. 26dB Bandwidth Plot MIMO ANT2 (802.11a (UNII Band 1) – Ch. 48)

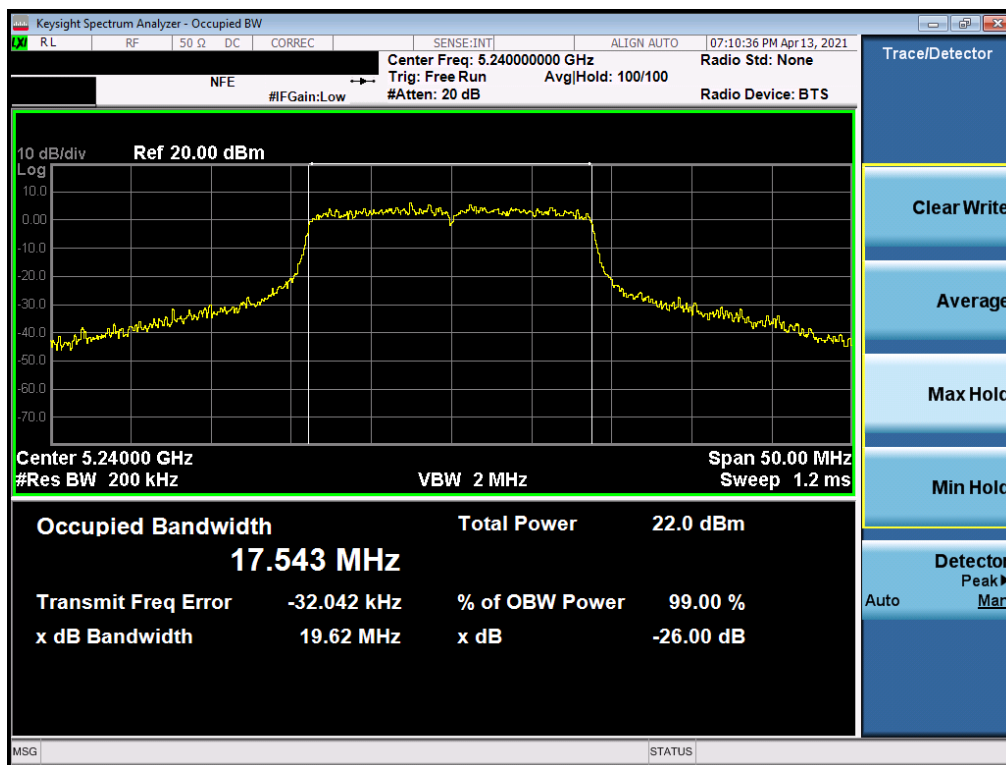


Plot 7-114. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 1) – Ch. 36)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 75 of 309

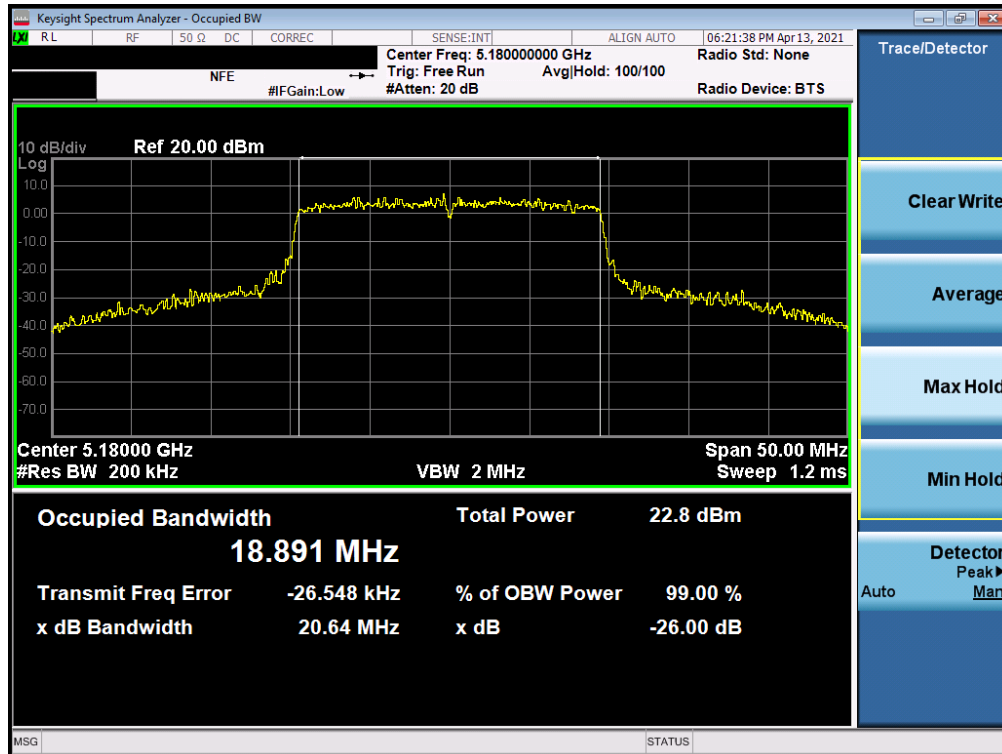


Plot 7-115. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 1) – Ch. 40)

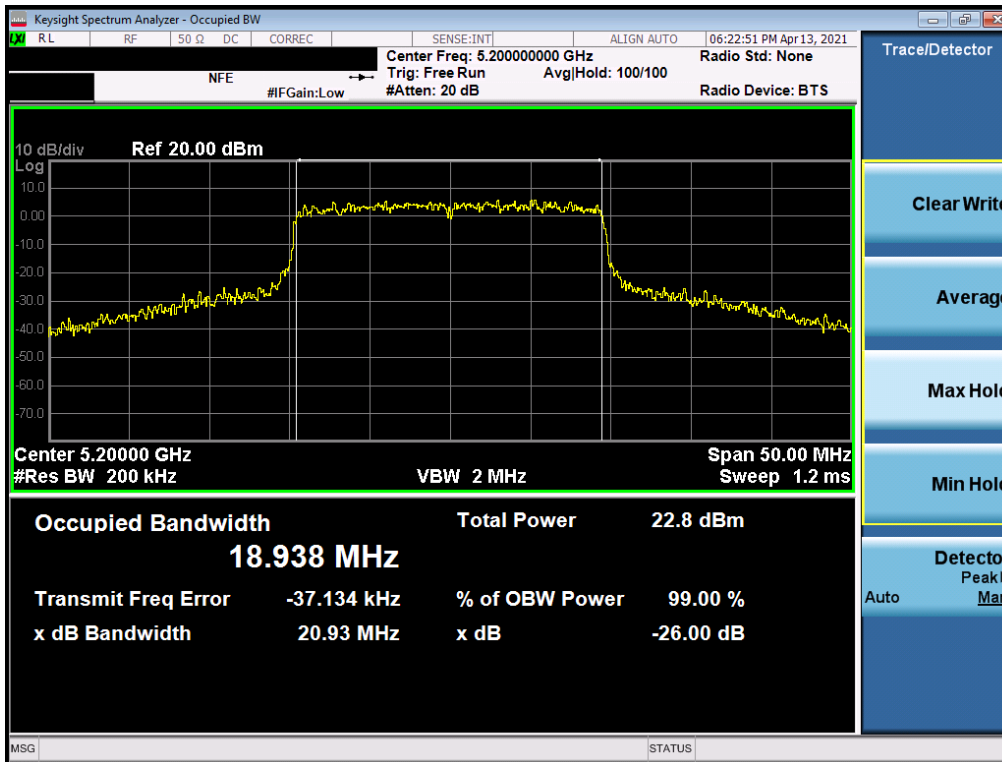


Plot 7-116. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 1) – Ch. 48)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 76 of 309

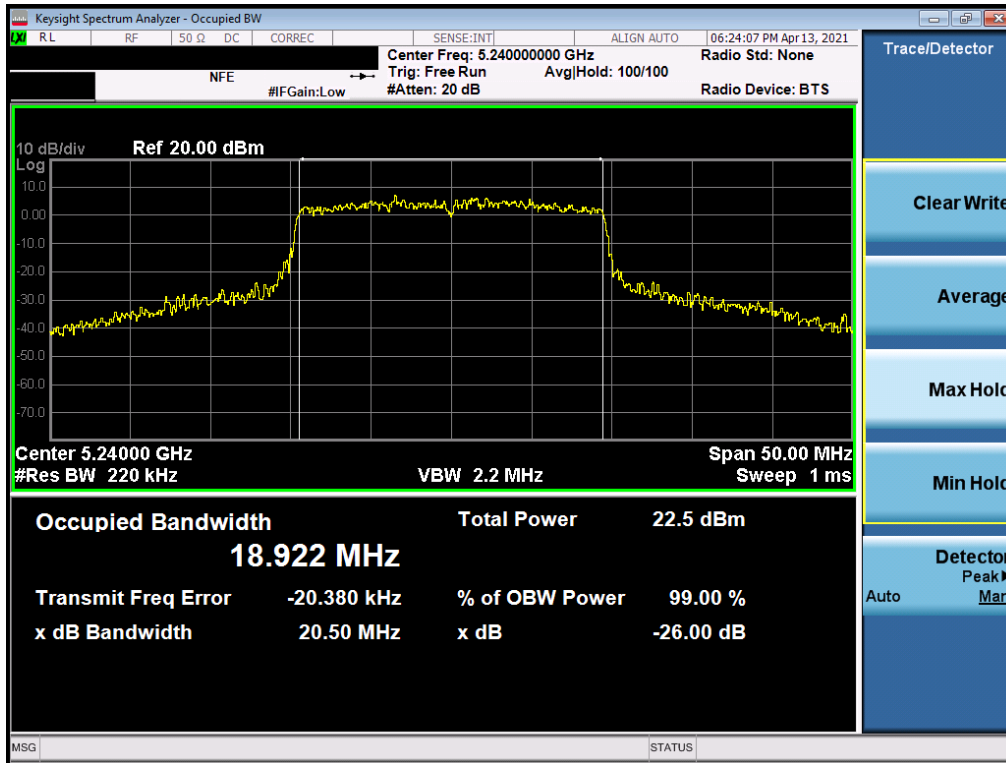


Plot 7-117. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 1) – Ch. 36)

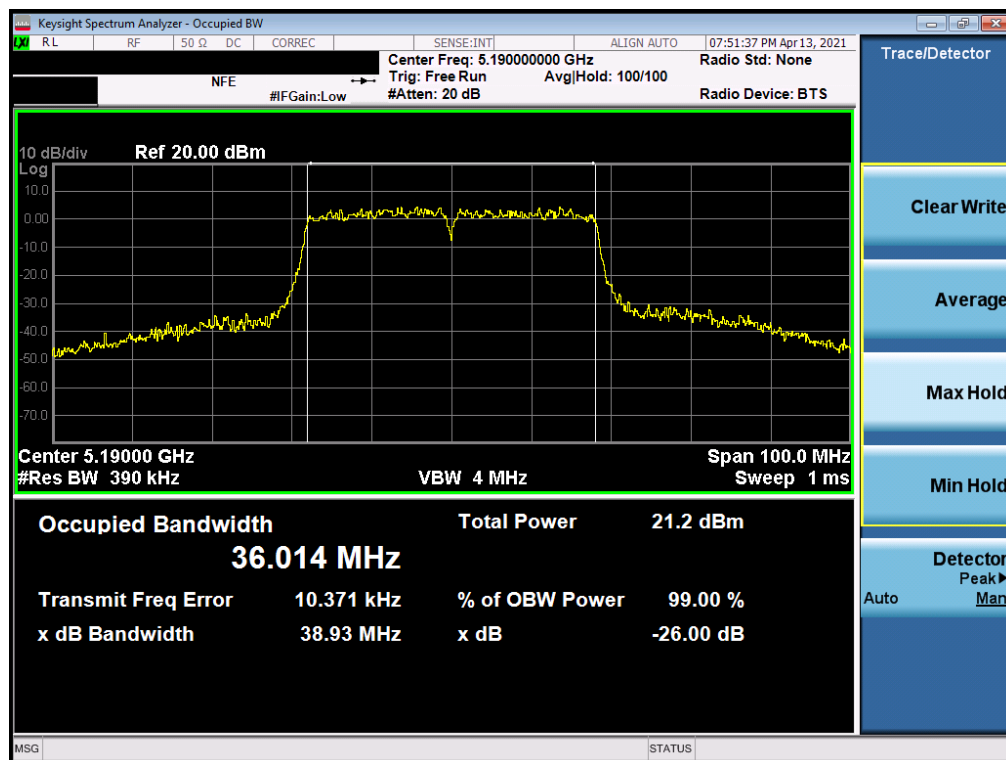


Plot 7-118. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 1) – Ch. 40)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 77 of 309

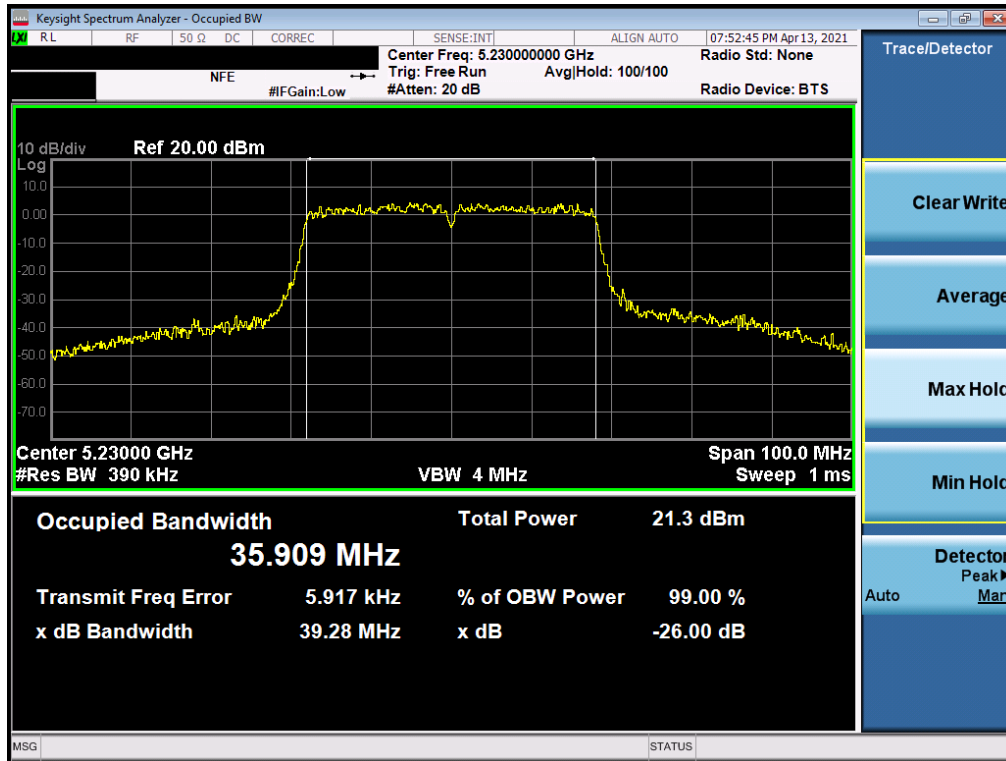


Plot 7-119. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 1) – Ch. 48)

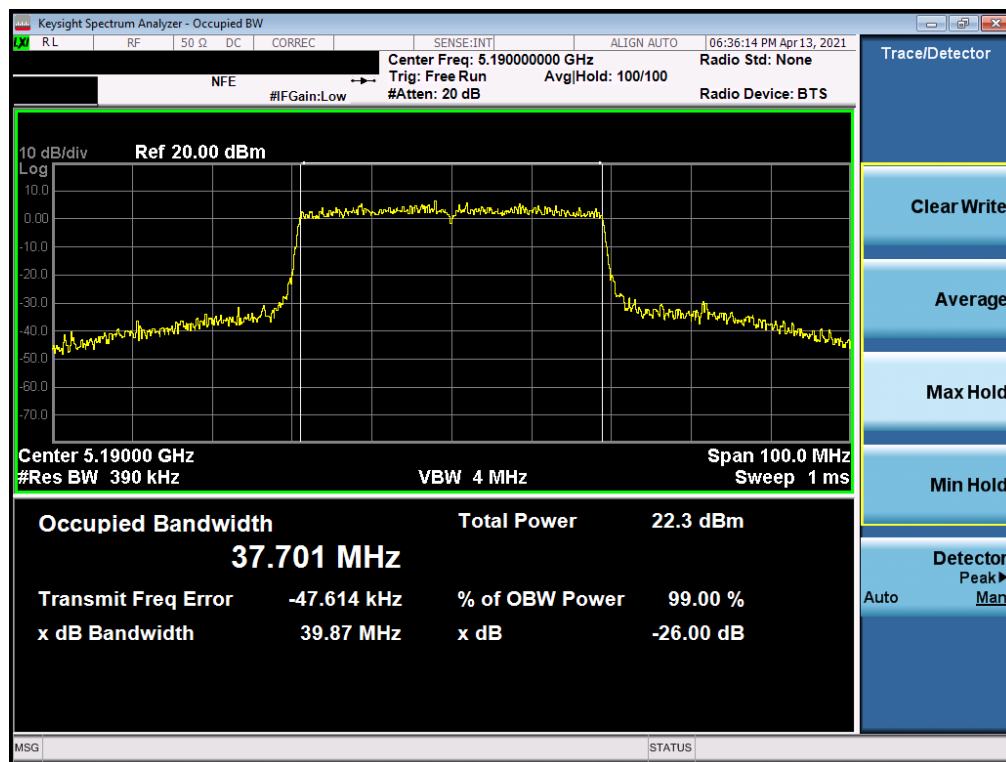


Plot 7-120. 26dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 1) – Ch. 38)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 78 of 309

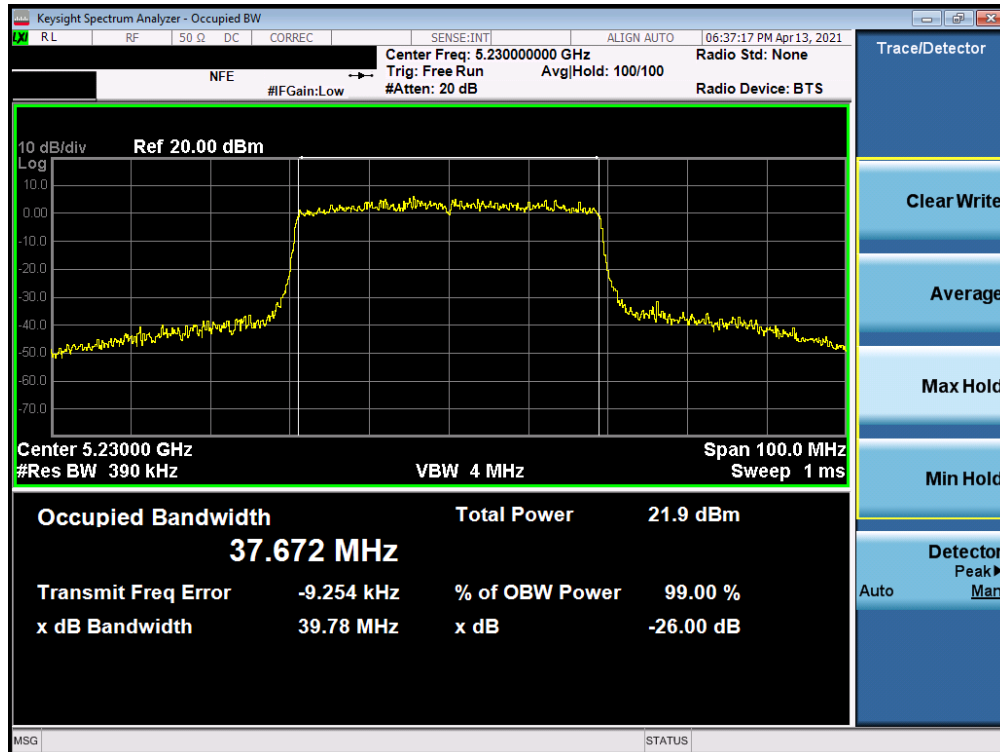


Plot 7-121. 26dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 1) – Ch. 46)

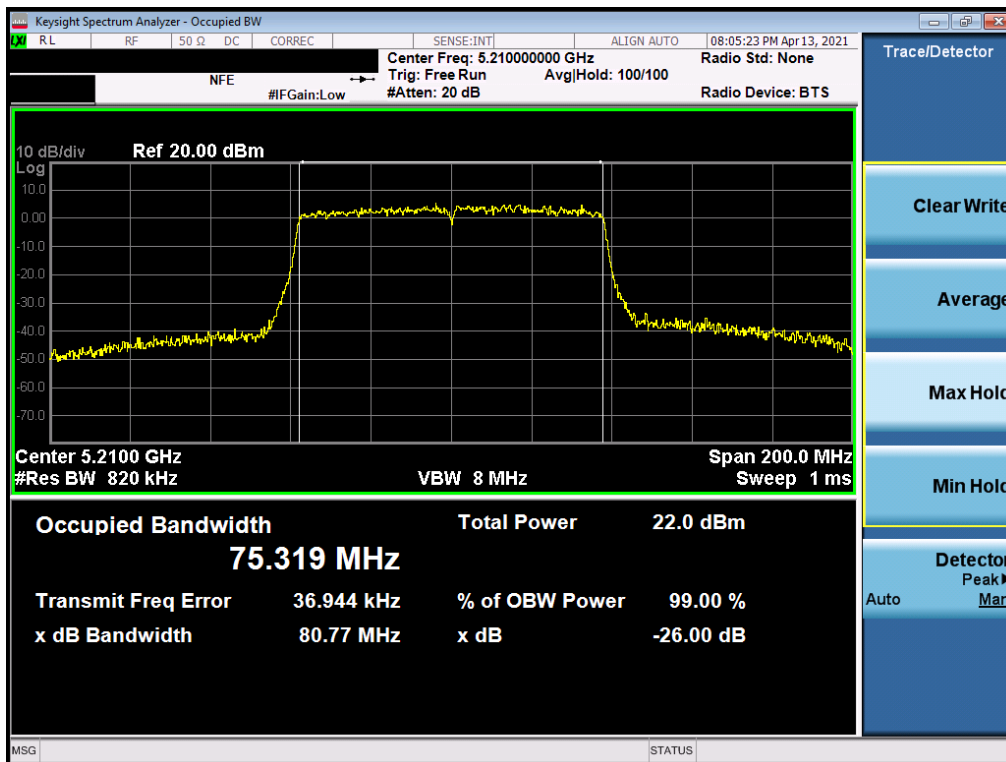


Plot 7-122. 26dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 1) – Ch. 38)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 79 of 309

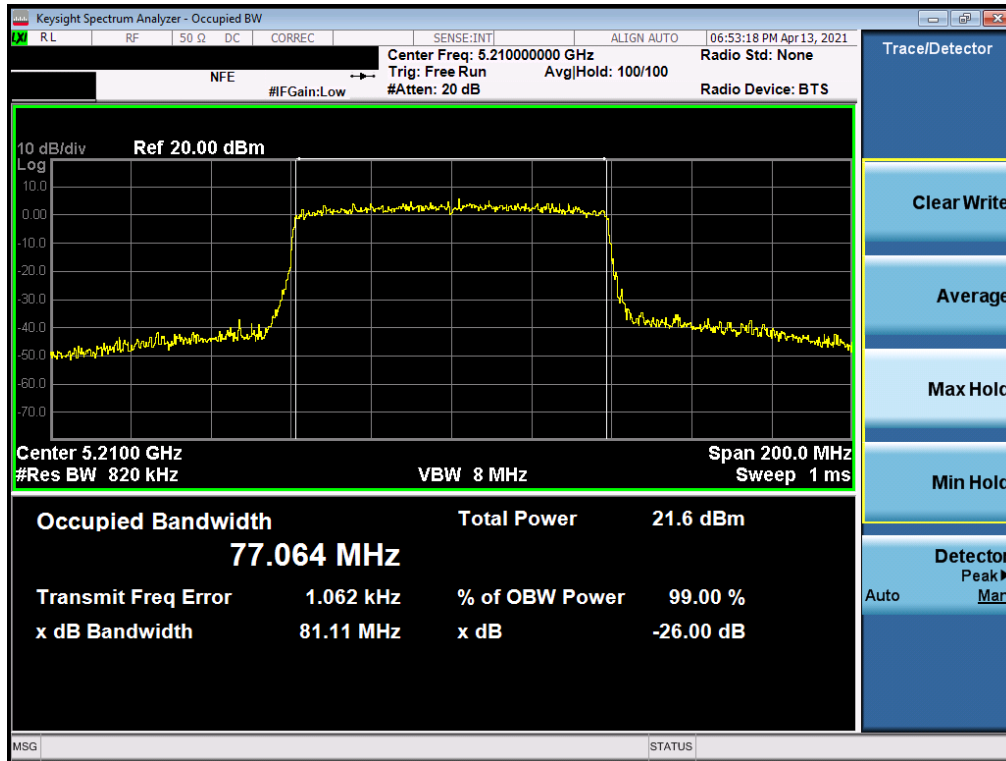


Plot 7-123. 26dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 1) – Ch. 46)

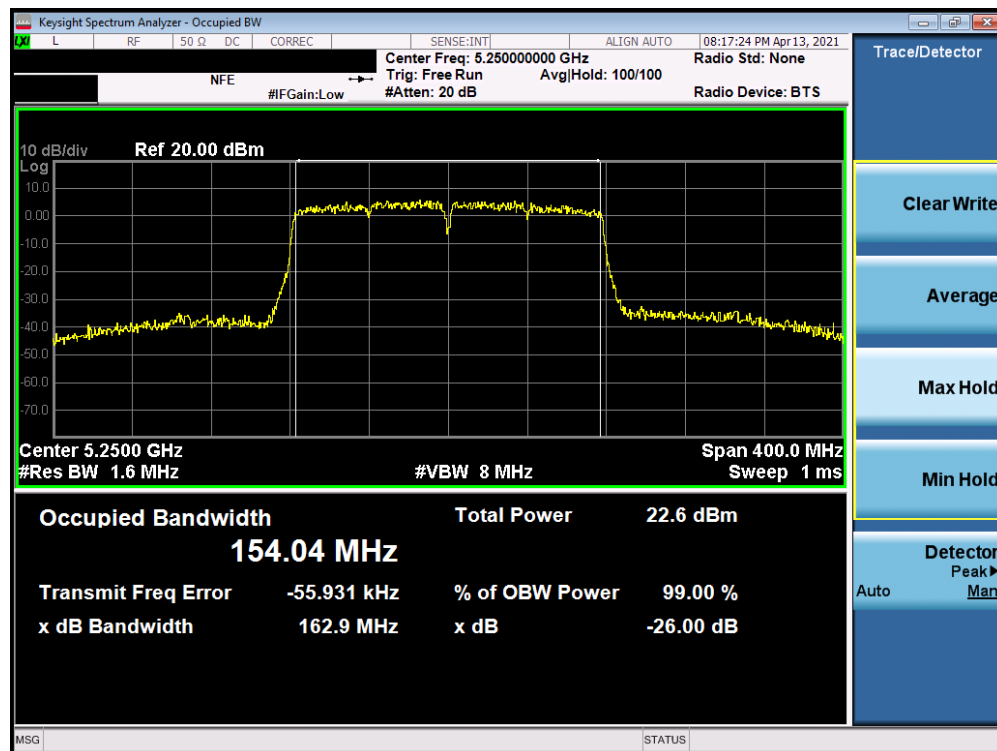


Plot 7-124. 26dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 1) – Ch. 42)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 80 of 309

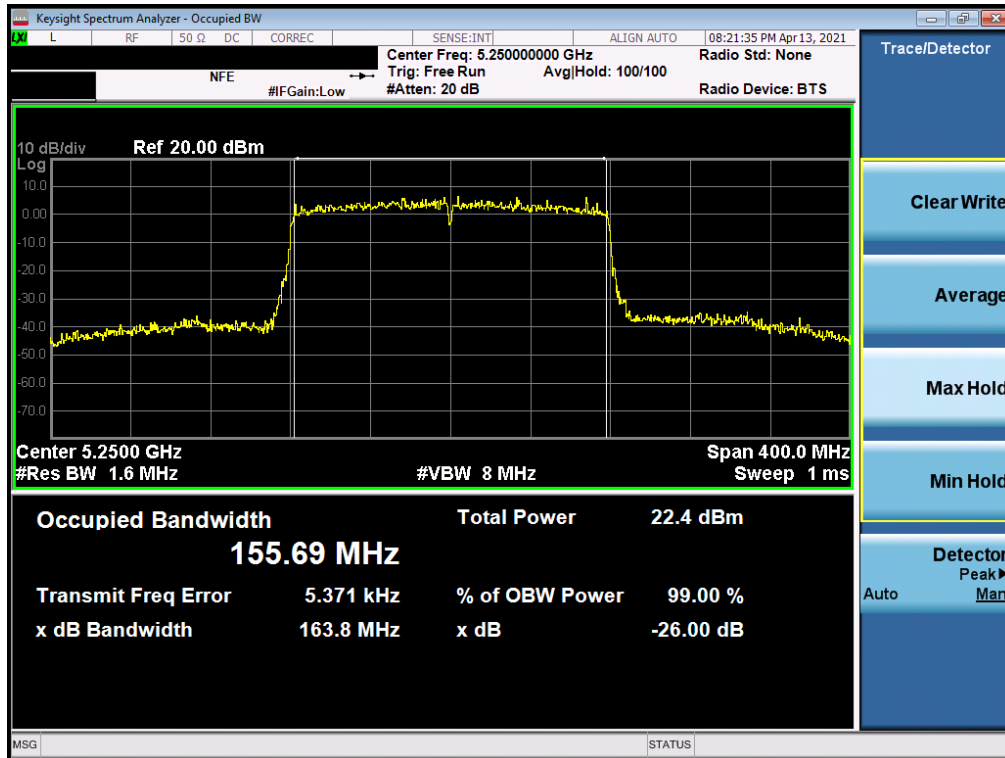


Plot 7-125. 26dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ax (UNII Band 1) – Ch. 42)

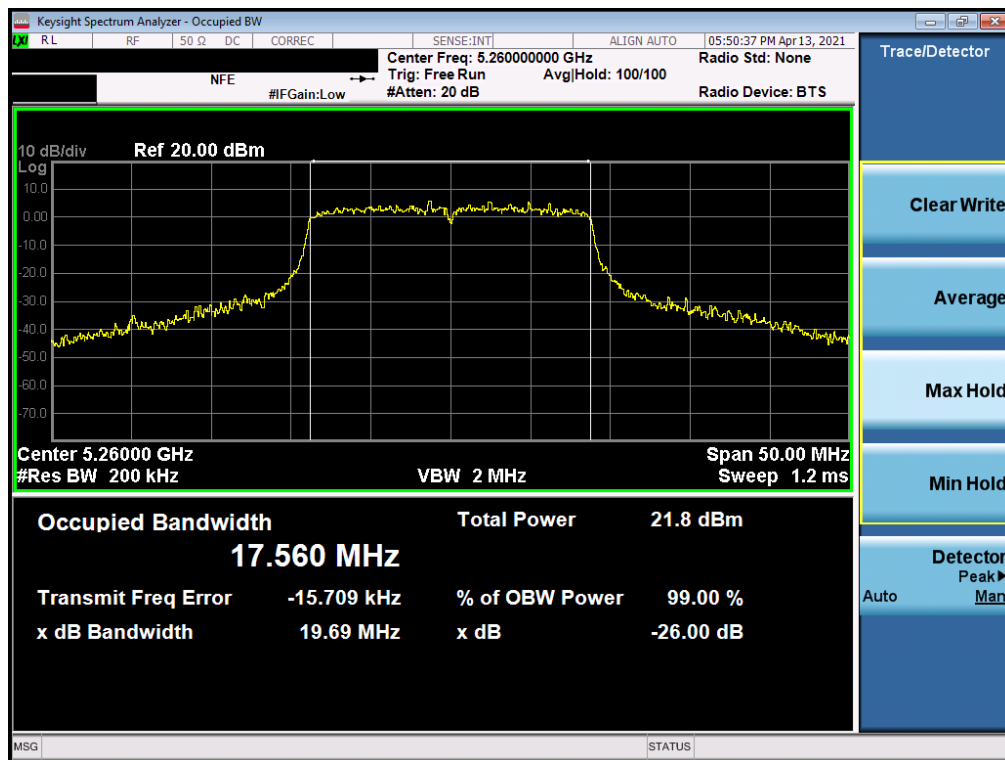


Plot 7-126. 26dB Bandwidth Plot MIMO ANT2 (160MHz BW 802.11ac (UNII Band 1/2A) – Ch. 50)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 81 of 309

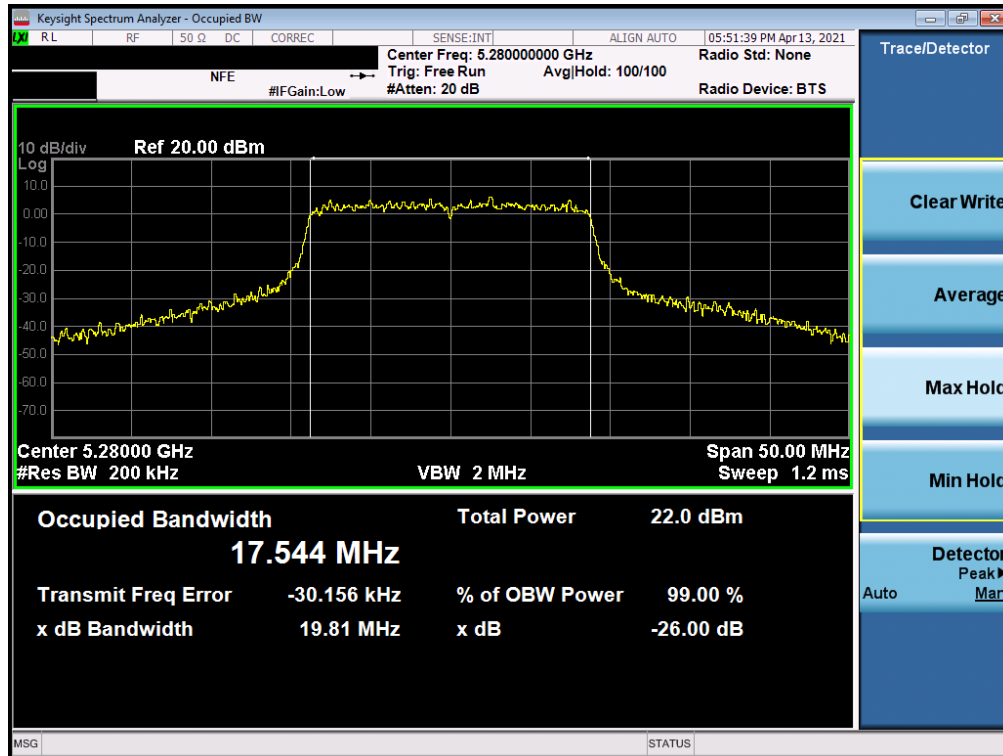


Plot 7-127. 26dB Bandwidth Plot MIMO ANT2 (160MHz BW 802.11ax (UNII Band 1/2A) – Ch. 50)

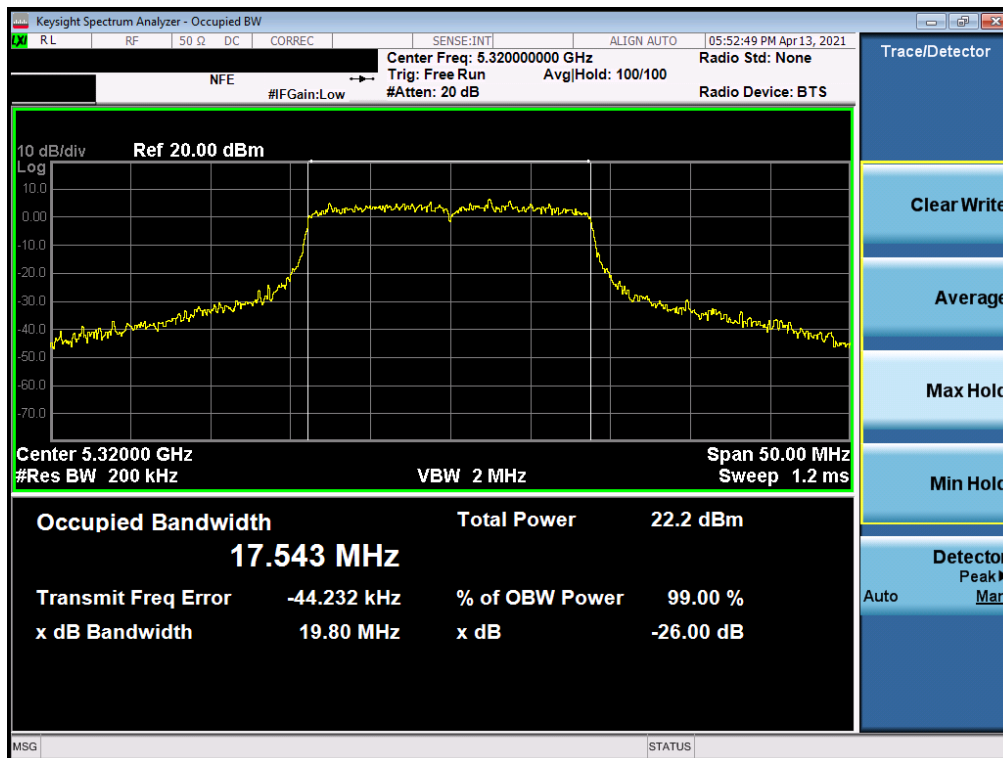


Plot 7-128. 26dB Bandwidth Plot MIMO ANT2 (802.11a (UNII Band 2A) – Ch. 52)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 82 of 309

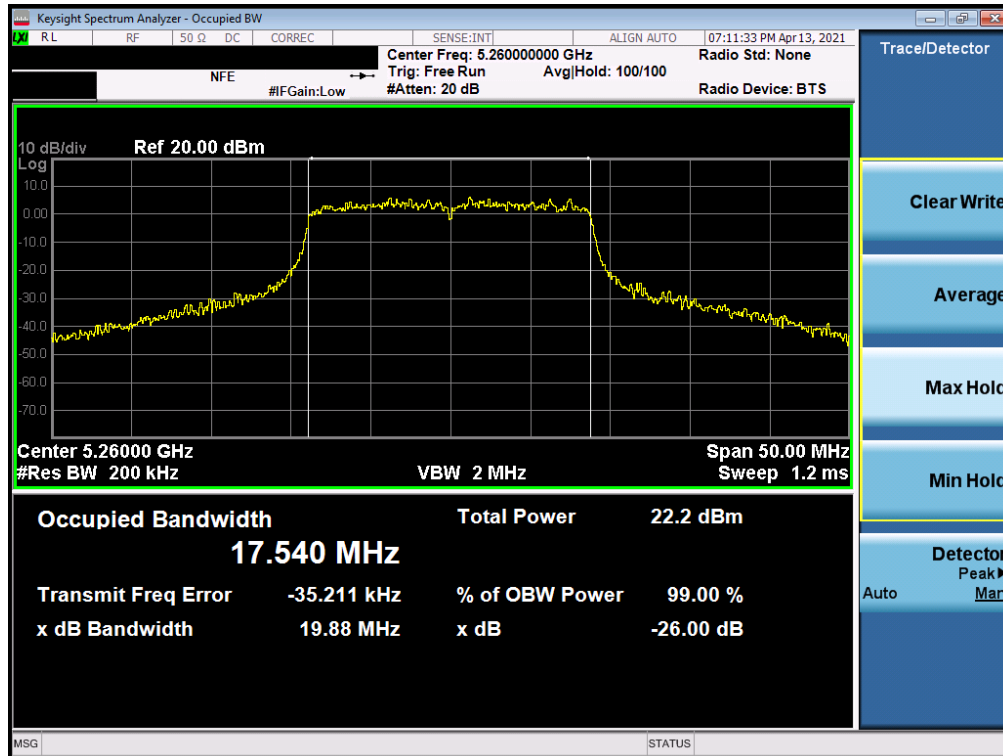


Plot 7-129. 26dB Bandwidth Plot MIMO ANT2 (802.11a) (UNII Band 2A) – Ch. 56)

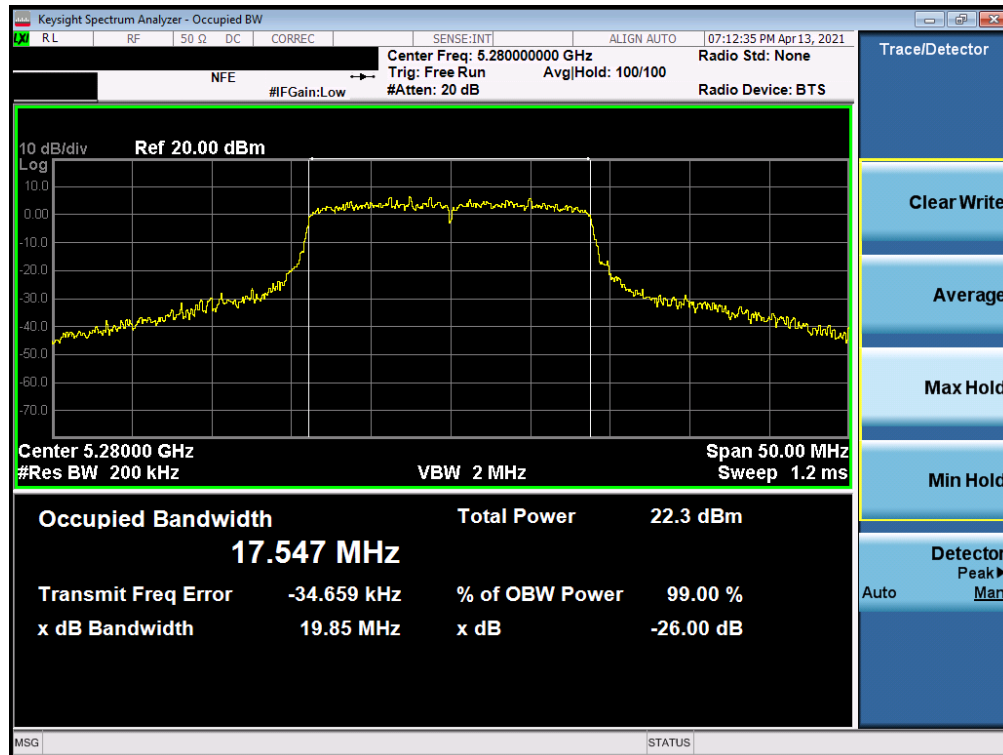


Plot 7-130. 26dB Bandwidth Plot MIMO ANT2 (802.11a) (UNII Band 2A) – Ch. 64)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 83 of 309

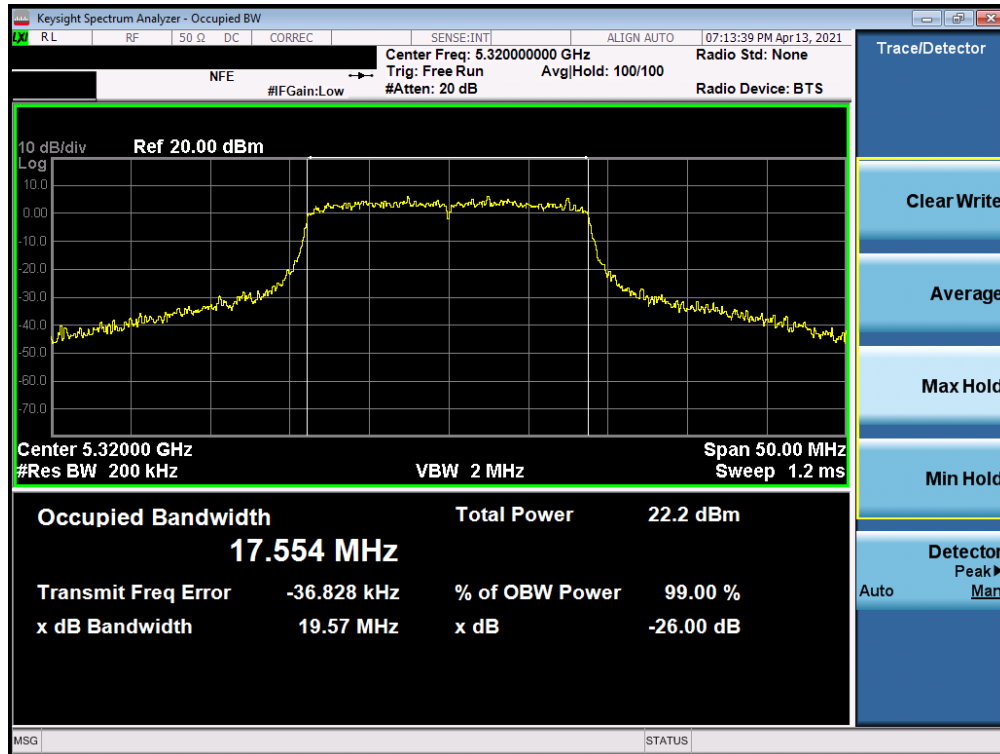


Plot 7-131. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2A) – Ch. 52)

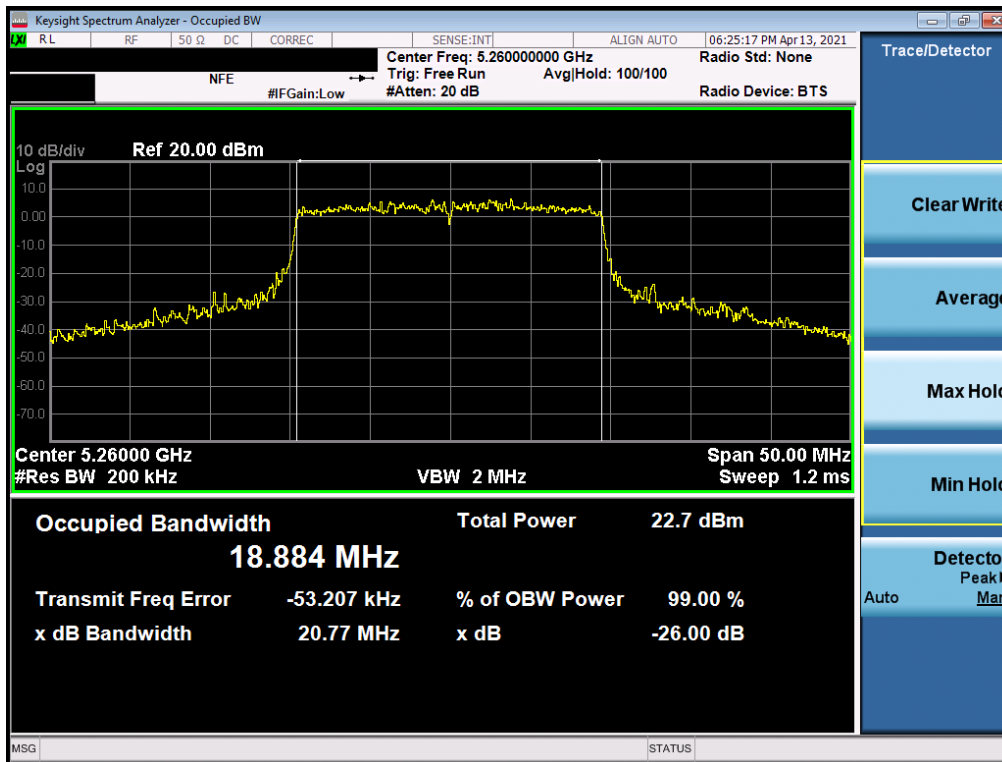


Plot 7-132. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2A) – Ch. 56)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 84 of 309

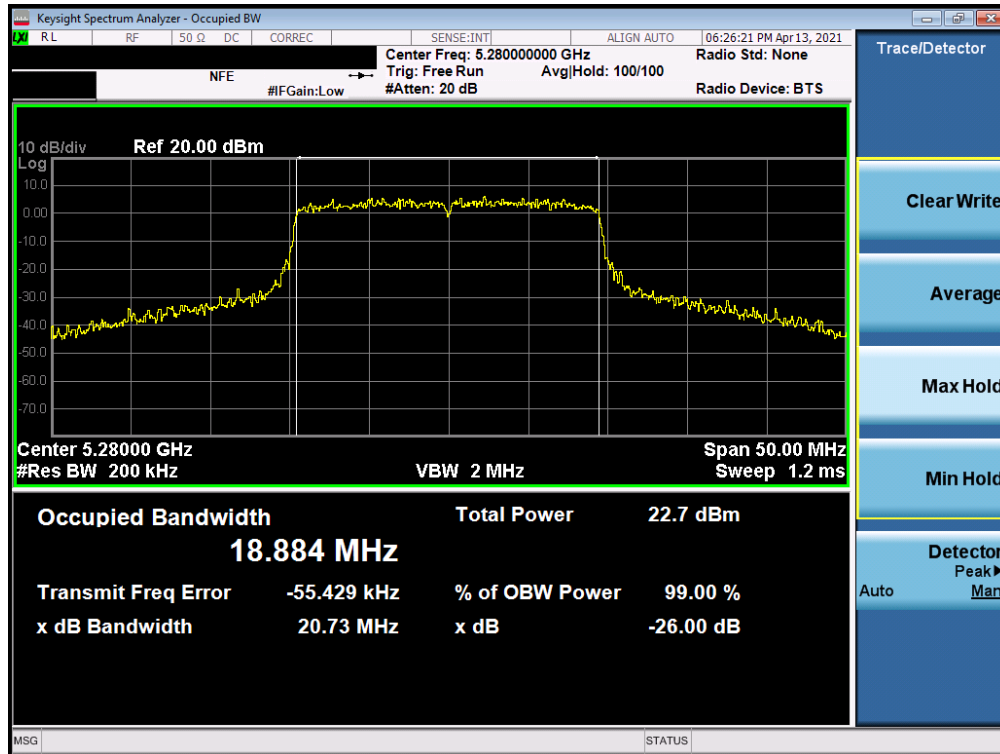


Plot 7-133. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2A) – Ch. 64)

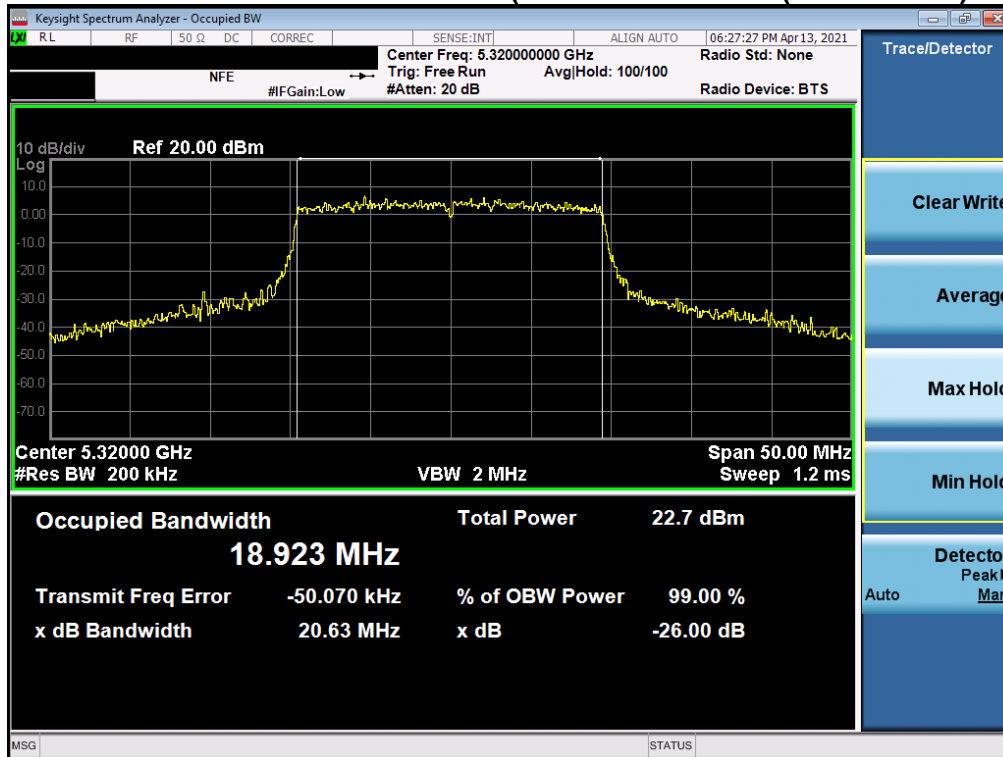


Plot 7-134. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 2A) – Ch. 52)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 85 of 309

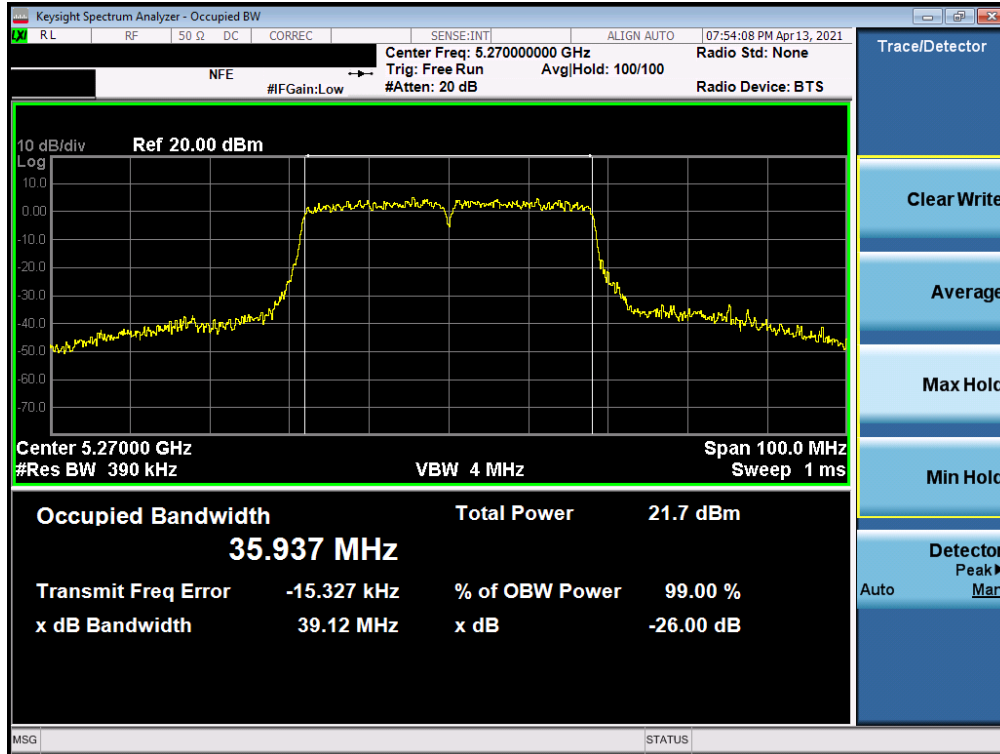


Plot 7-135. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 2A) – Ch. 56)

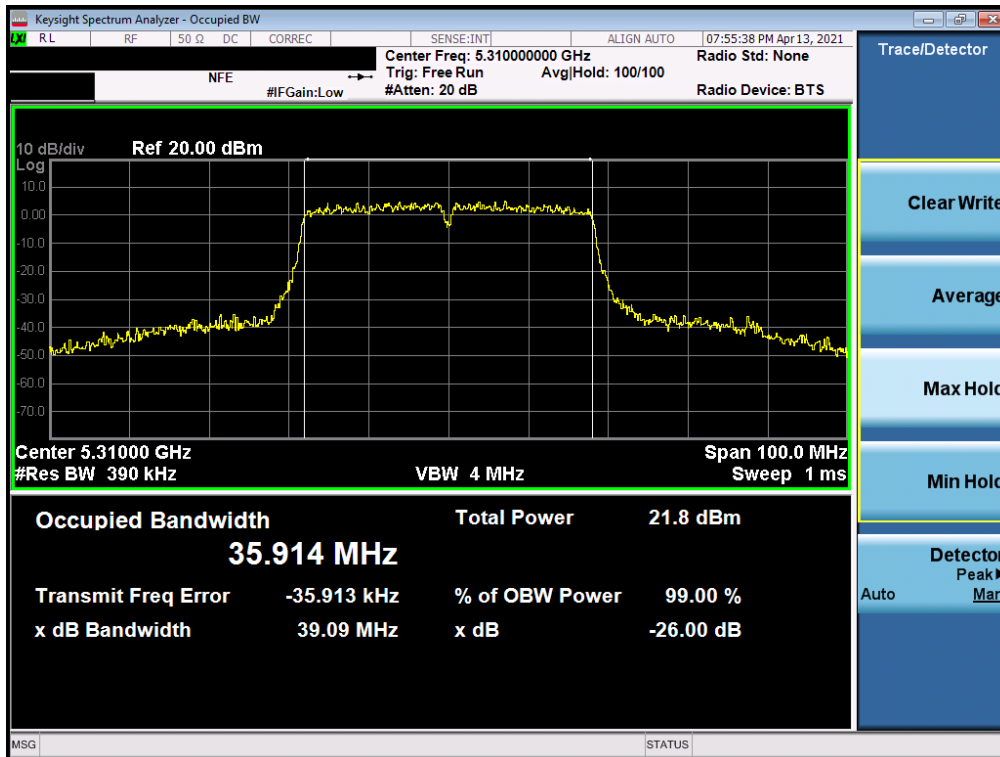


Plot 7-136. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 2A) – Ch. 64)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 86 of 309

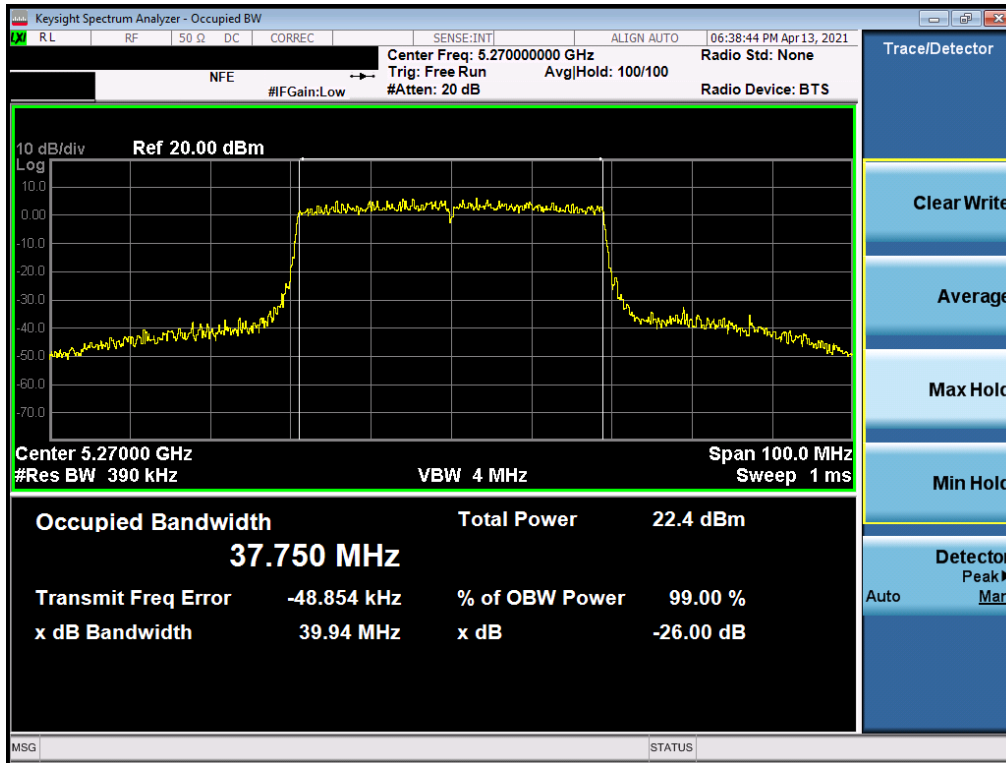


Plot 7-137. 26dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2A) – Ch. 54)

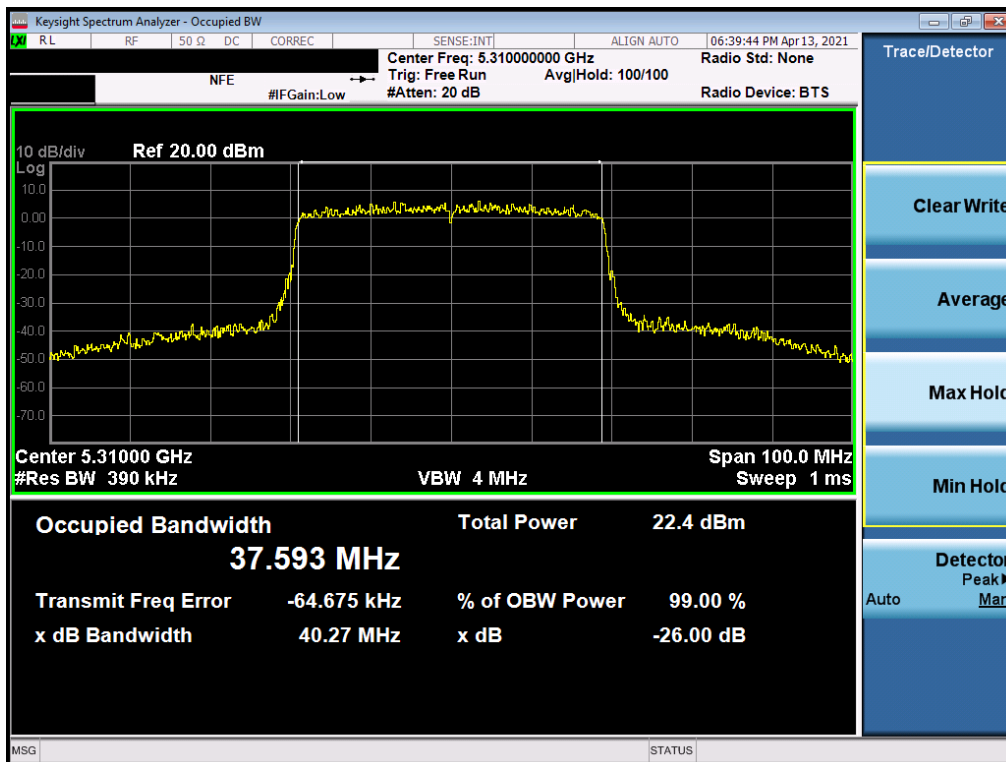


Plot 7-138. 26dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2A) – Ch. 62)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 87 of 309

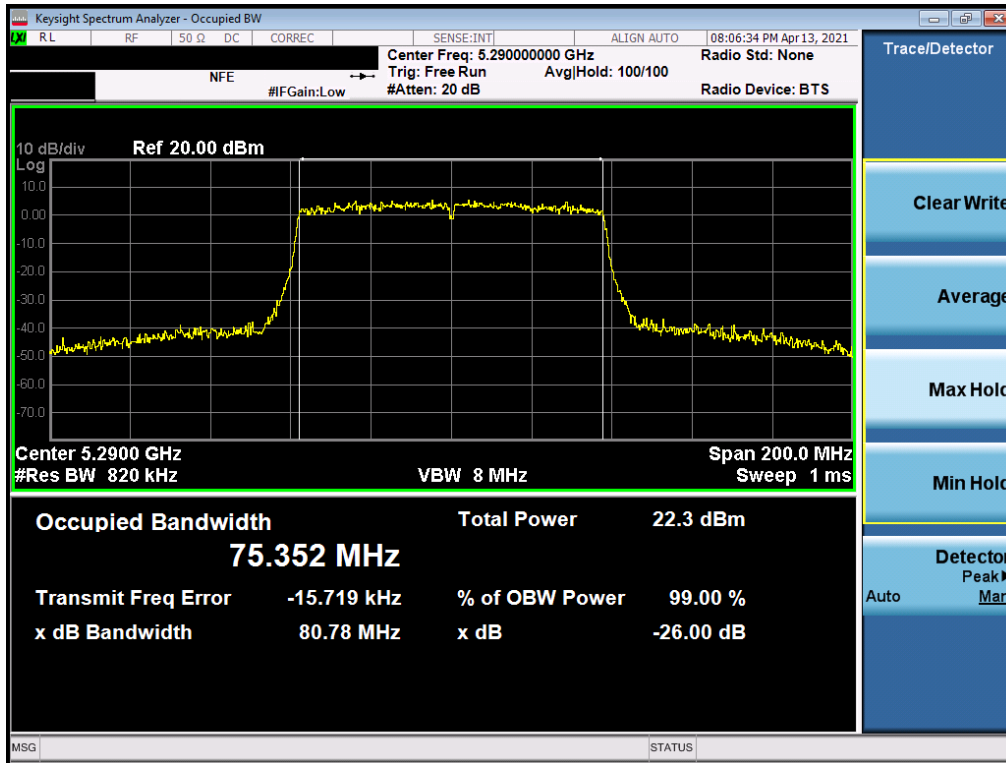


Plot 7-139. 26dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 2A) – Ch. 54)



Plot 7-140. 26dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 2A) – Ch. 62)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 88 of 309

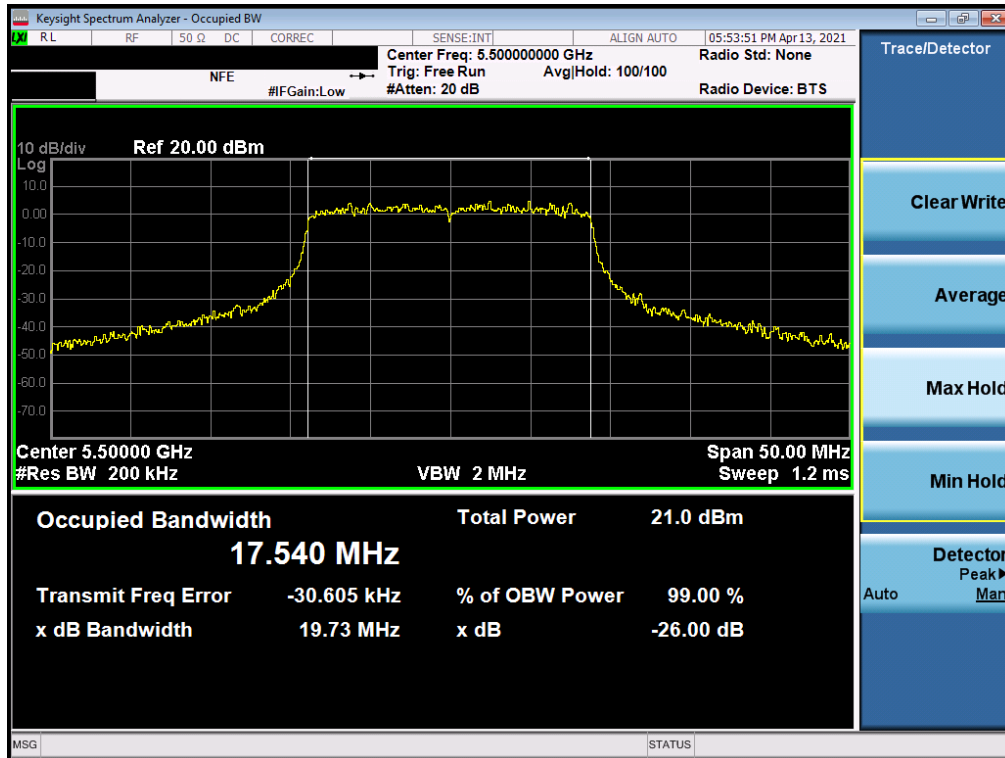


Plot 7-141. 26dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2A) – Ch. 58)

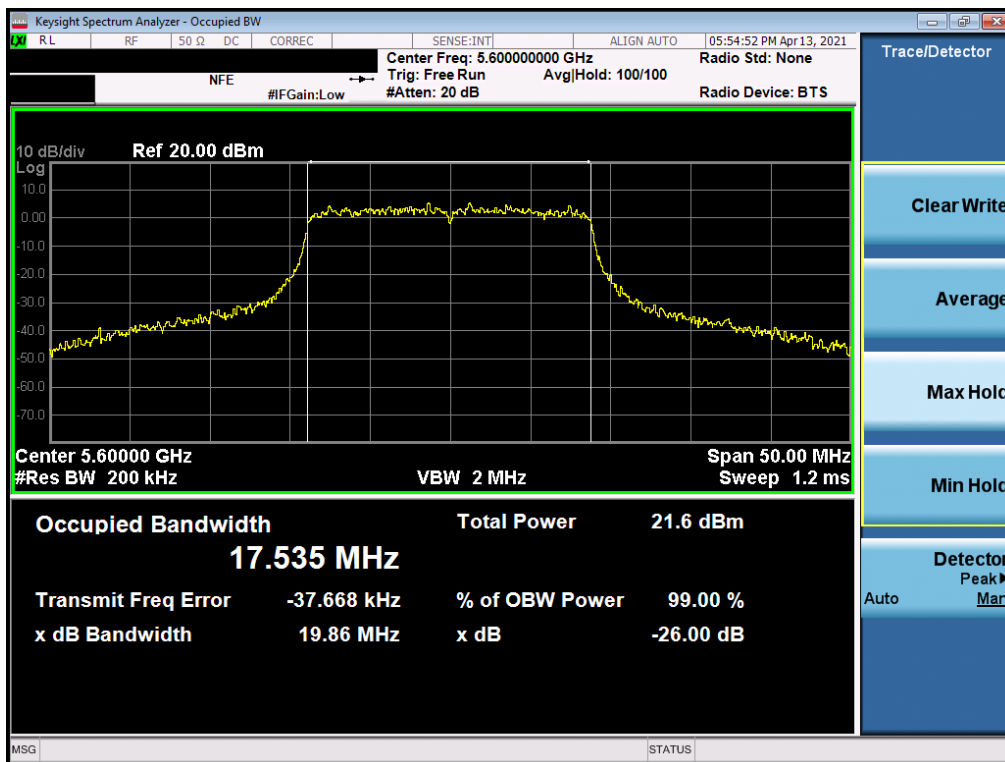


Plot 7-142. 26dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ax (UNII Band 2A) – Ch. 58)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 89 of 309

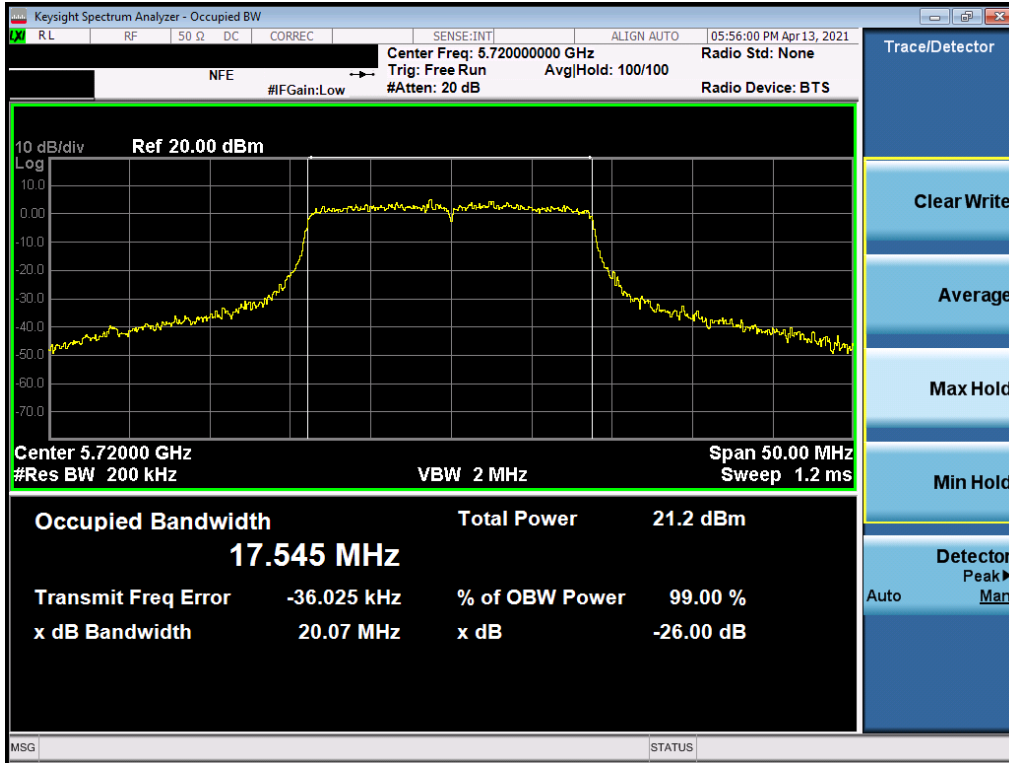


Plot 7-143. 26dB Bandwidth Plot MIMO ANT2 (802.11a (UNII Band 2C) – Ch. 100)

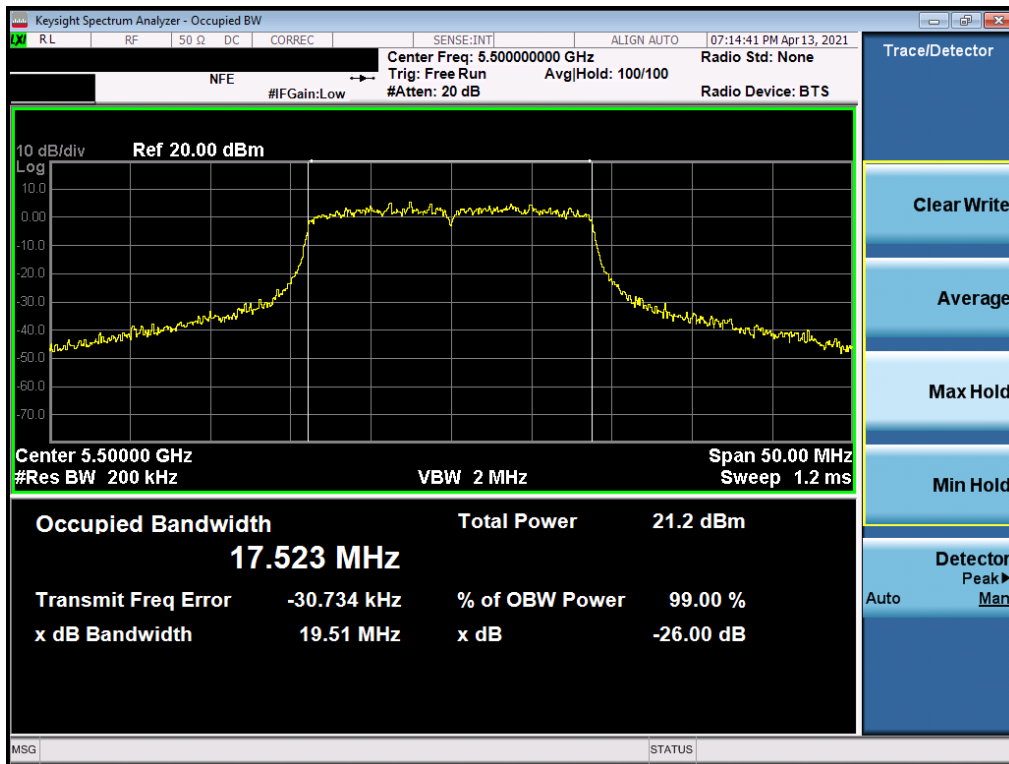


Plot 7-144. 26dB Bandwidth Plot MIMO ANT2 (802.11a (UNII Band 2C) – Ch. 120)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 90 of 309

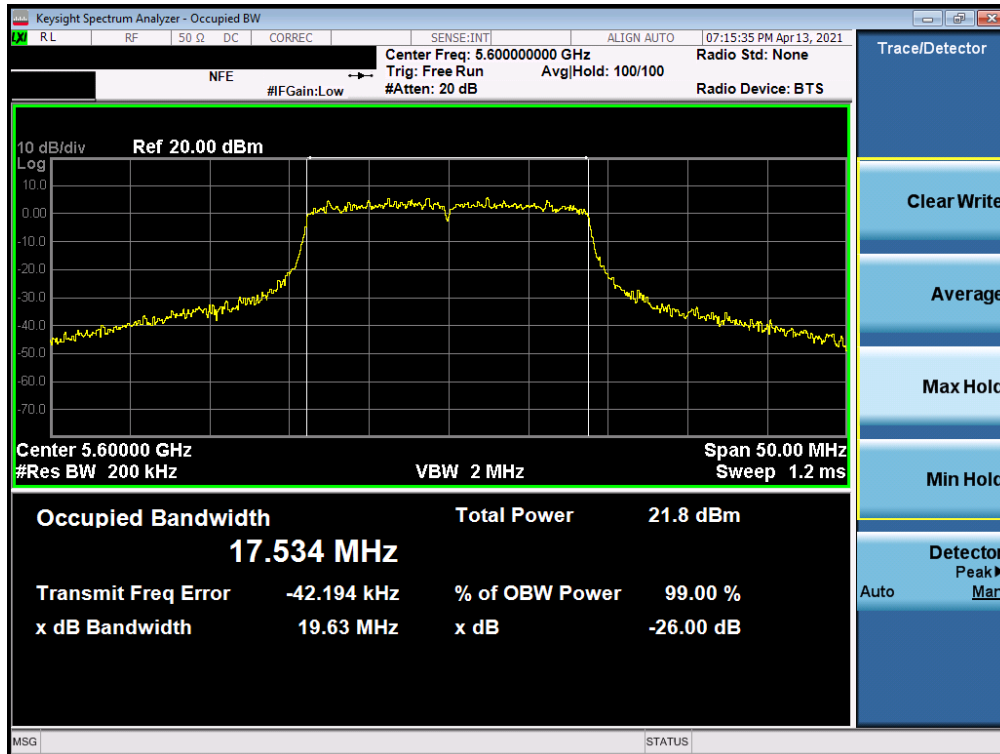


Plot 7-145. 26dB Bandwidth Plot MIMO ANT2 (802.11a (UNII Band 2C) – Ch. 144)

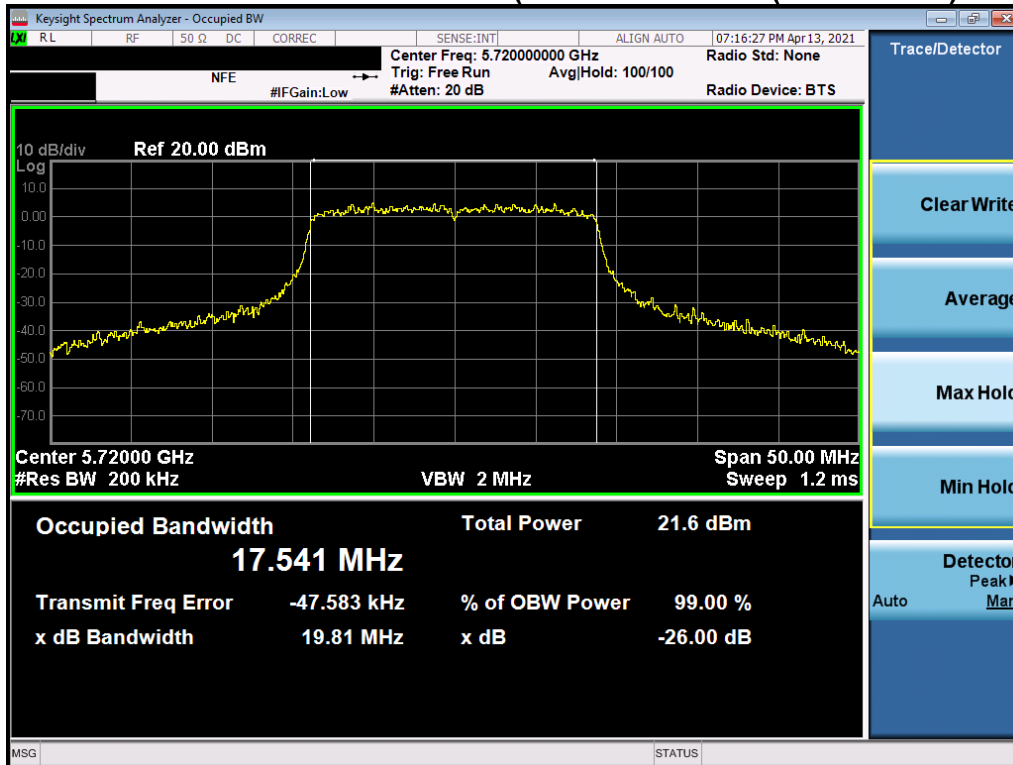


Plot 7-146. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 100)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 91 of 309

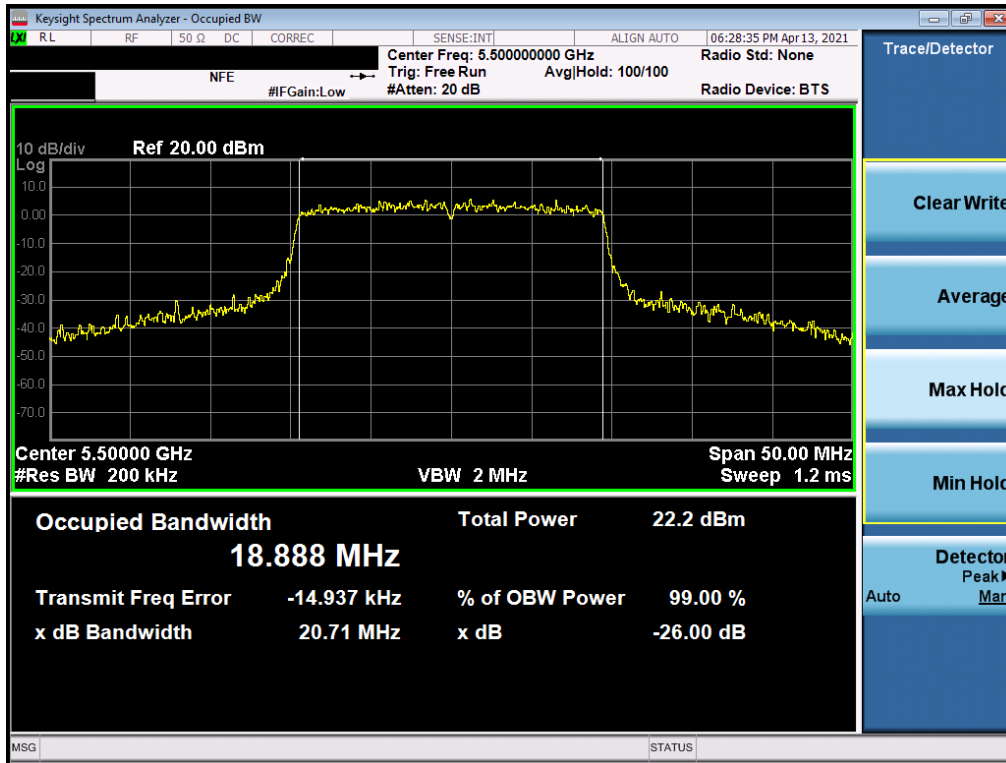


Plot 7-147. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 120)

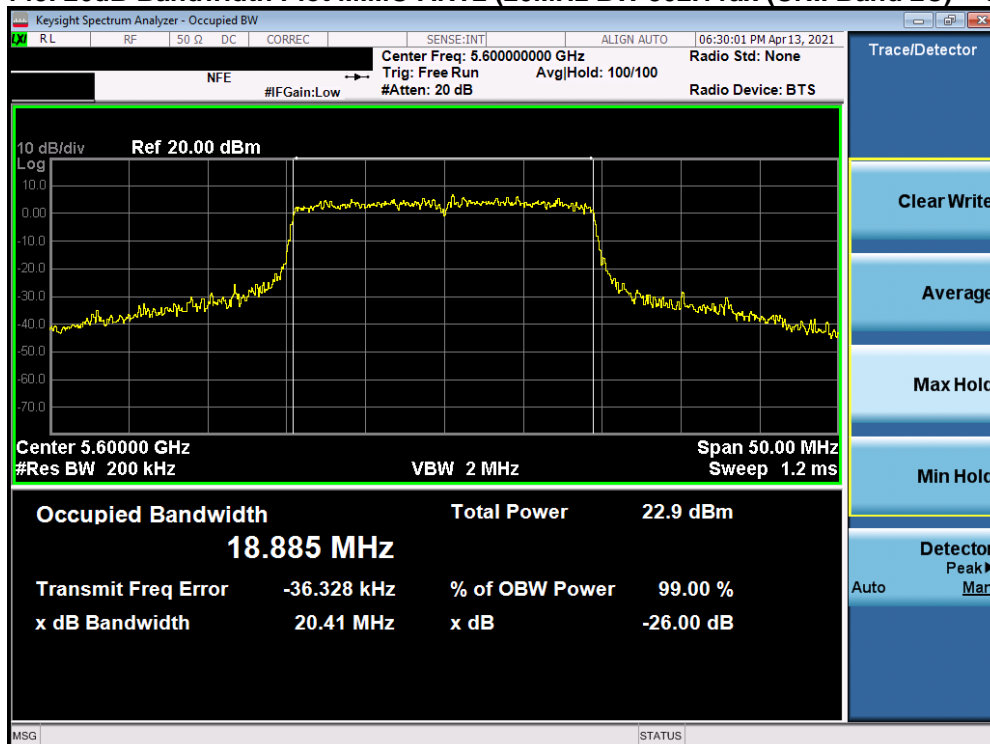


Plot 7-148. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 144)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 92 of 309

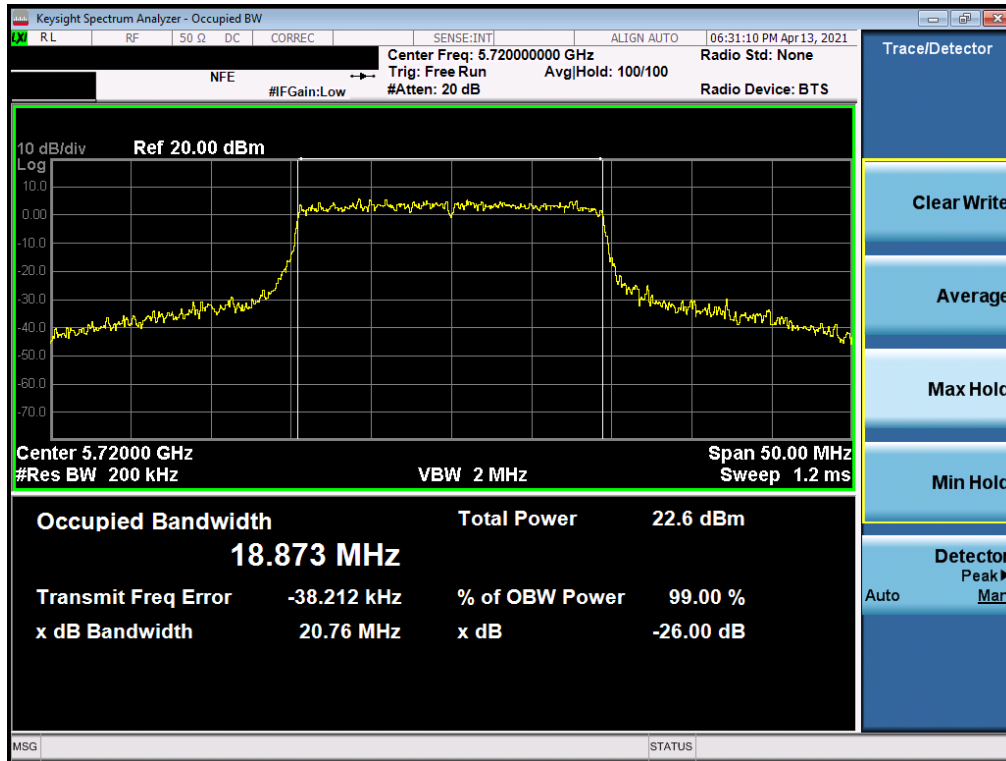


Plot 7-149. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 2C) – Ch. 100)

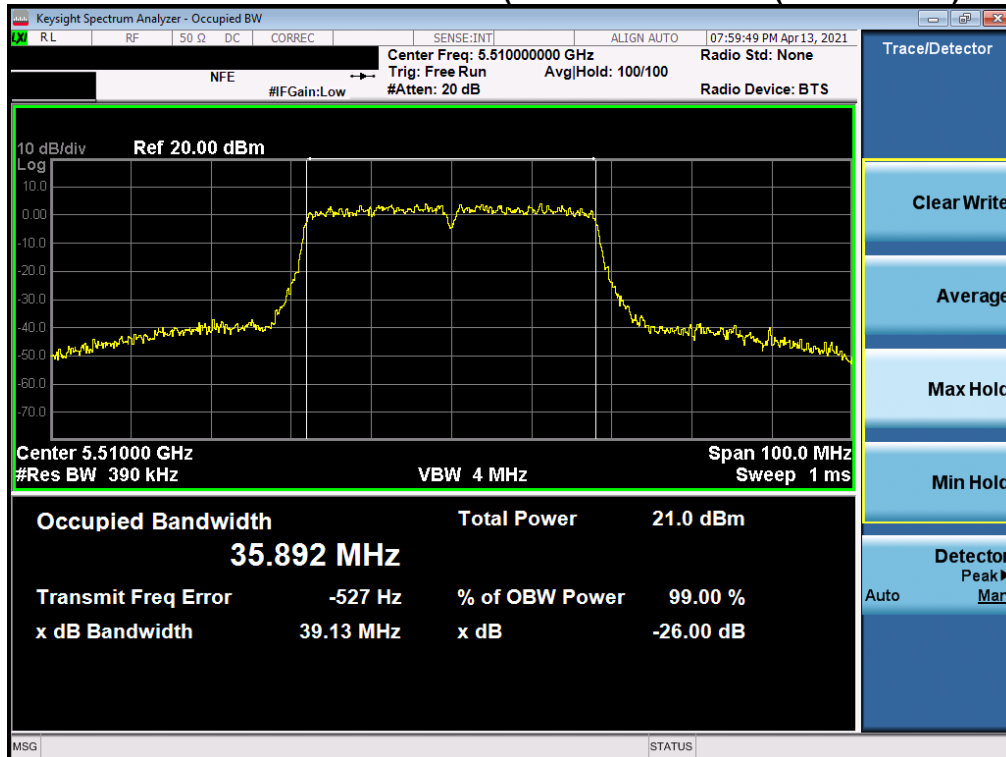


Plot 7-150. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 2C) – Ch. 120)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 93 of 309

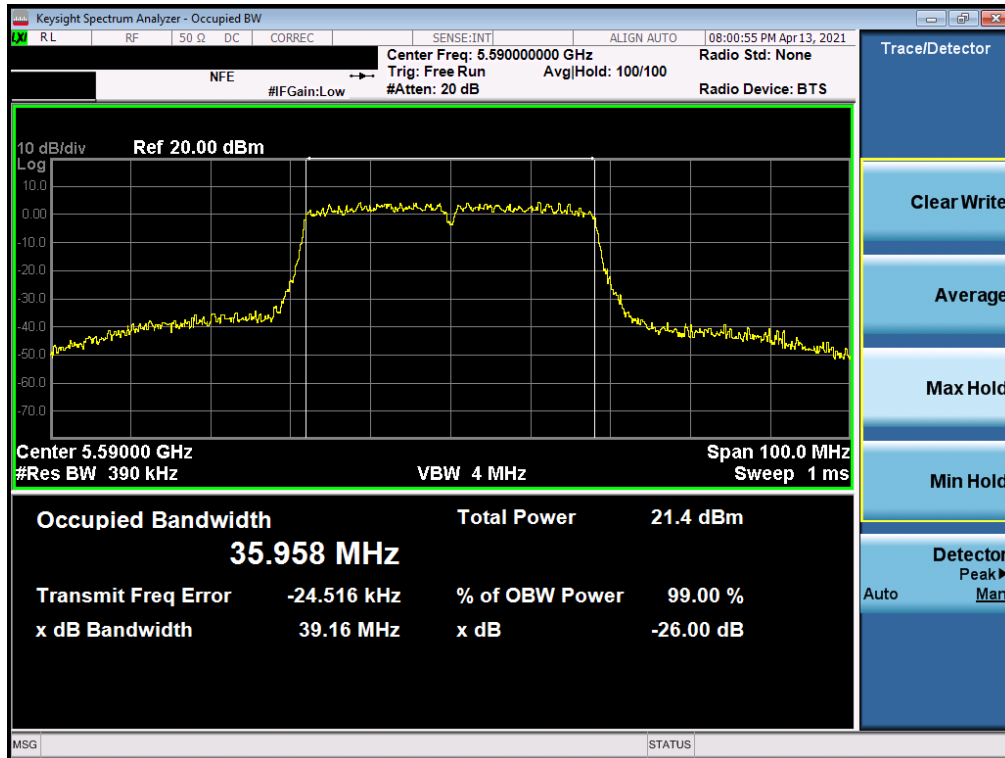


Plot 7-151. 26dB Bandwidth Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 2C) – Ch. 144)

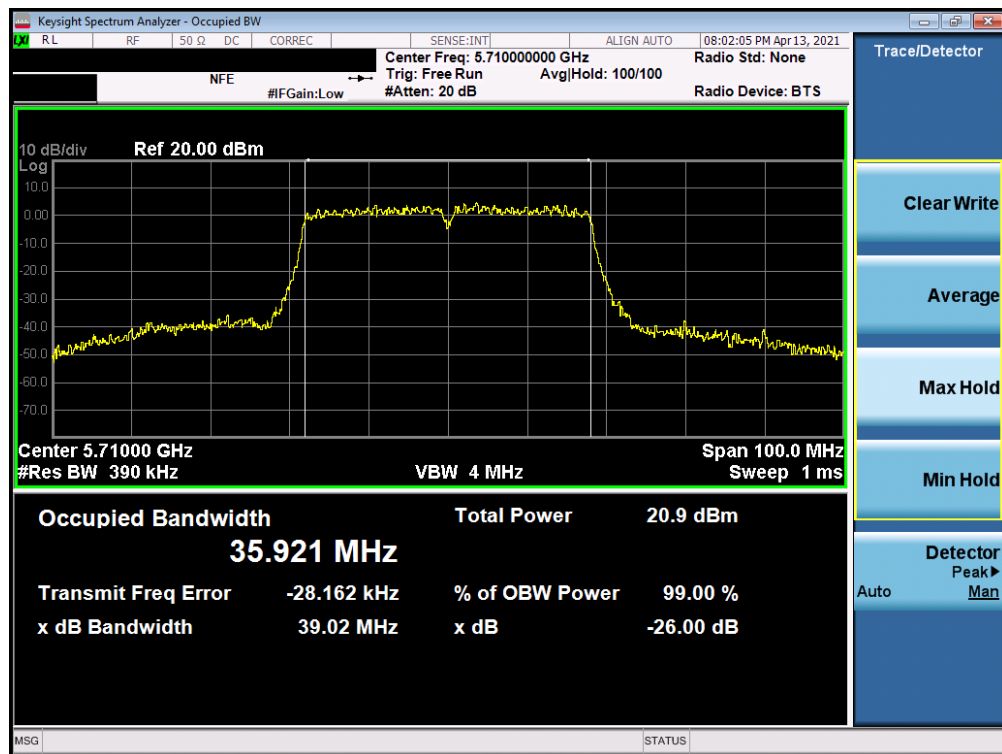


Plot 7-152. 26dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2C) – Ch. 102)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 94 of 309

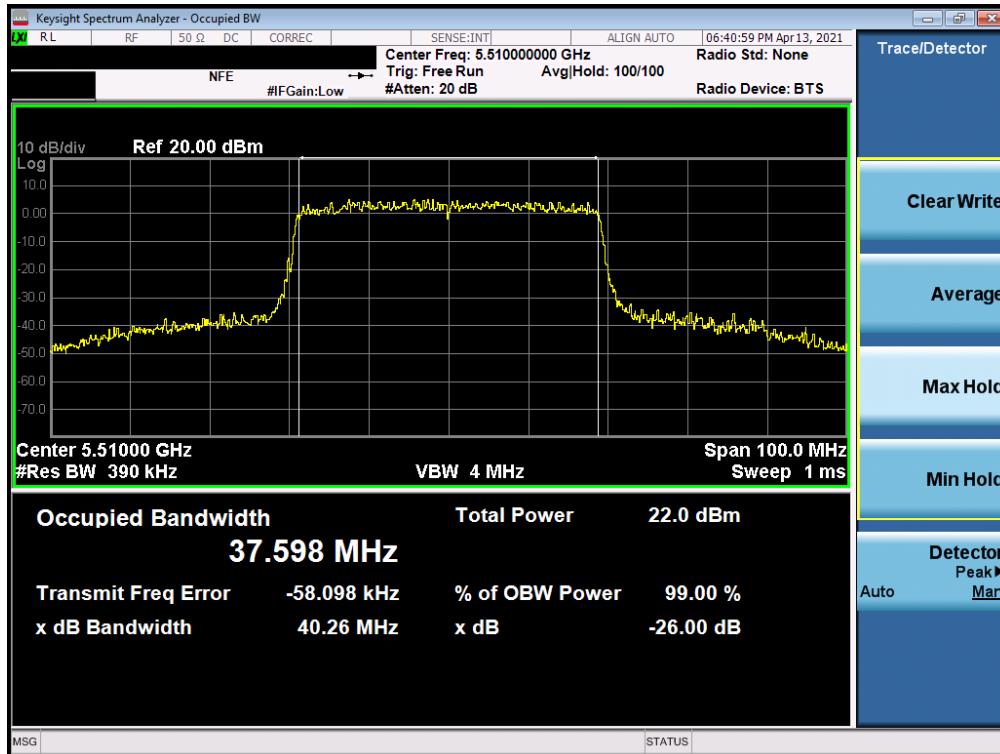


Plot 7-153. 26dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2C) – Ch. 118)

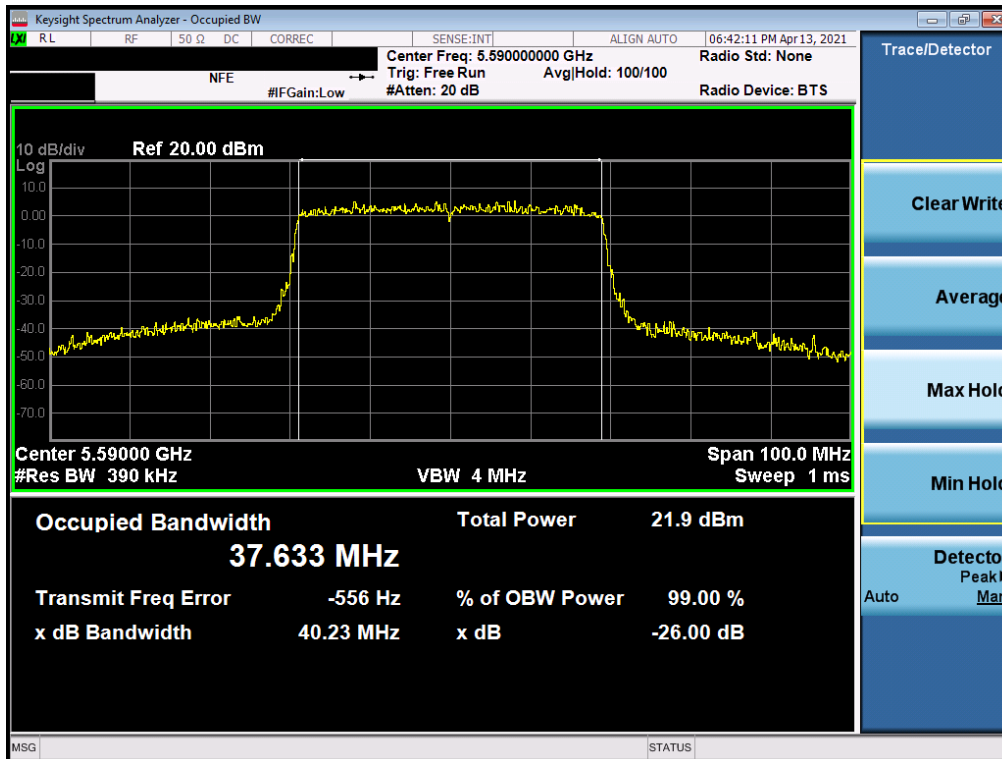


Plot 7-154. 26dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2C) – Ch. 142)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 95 of 309

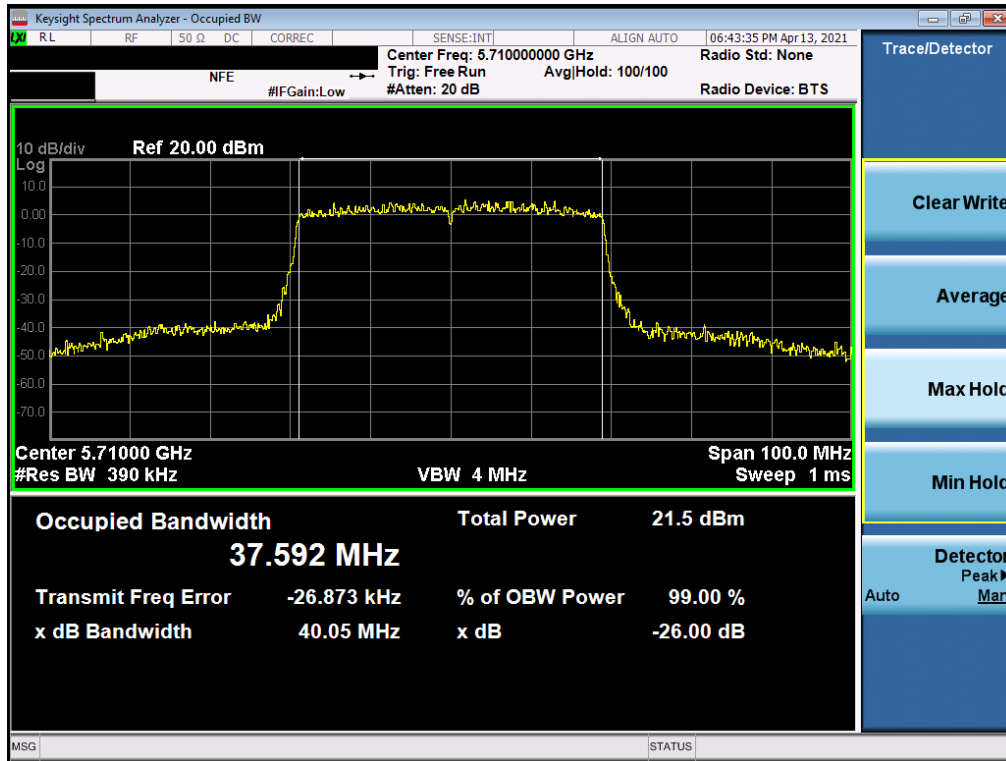


Plot 7-155. 26dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 2C) – Ch. 102)

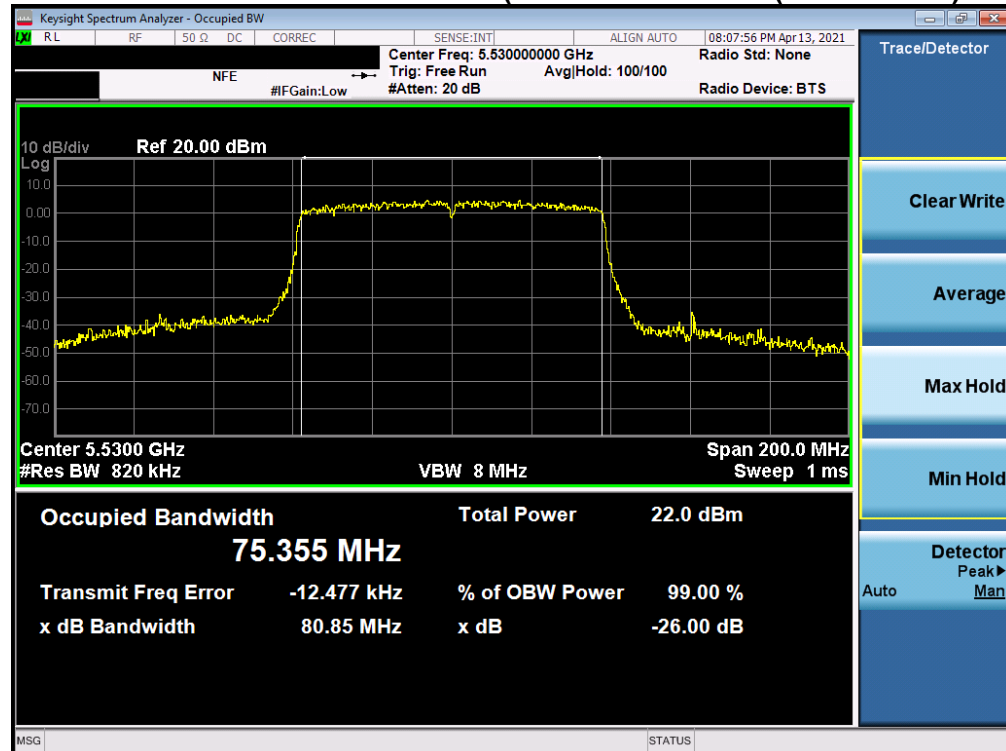


Plot 7-156. 26dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 2C) – Ch. 118)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 96 of 309

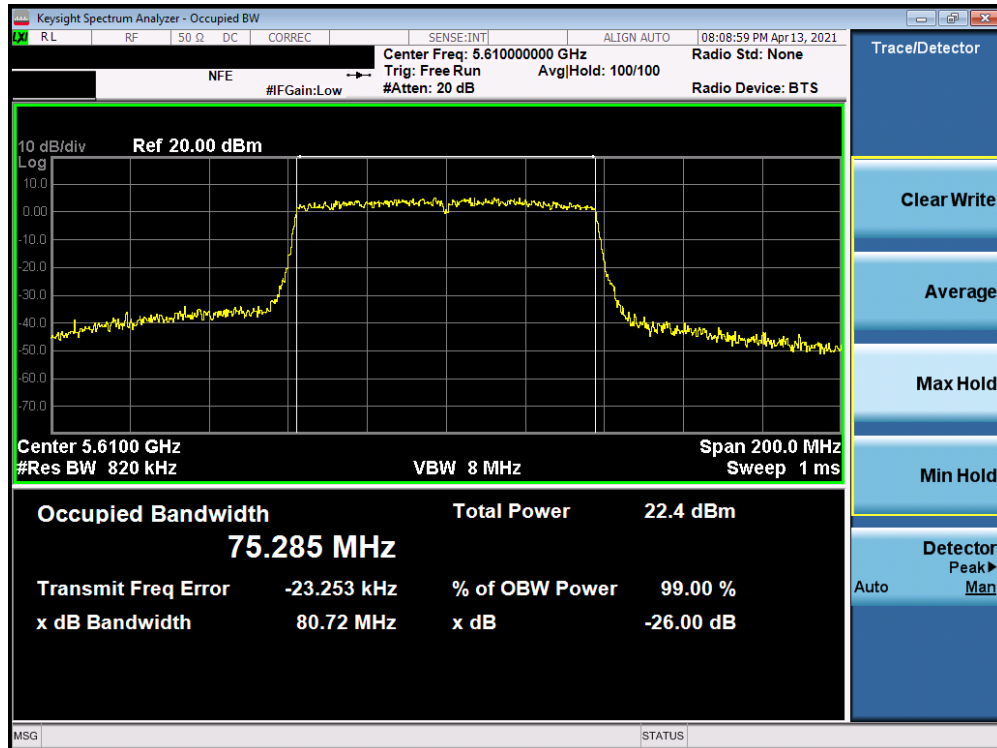


Plot 7-157. 26dB Bandwidth Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 2C) – Ch. 142)

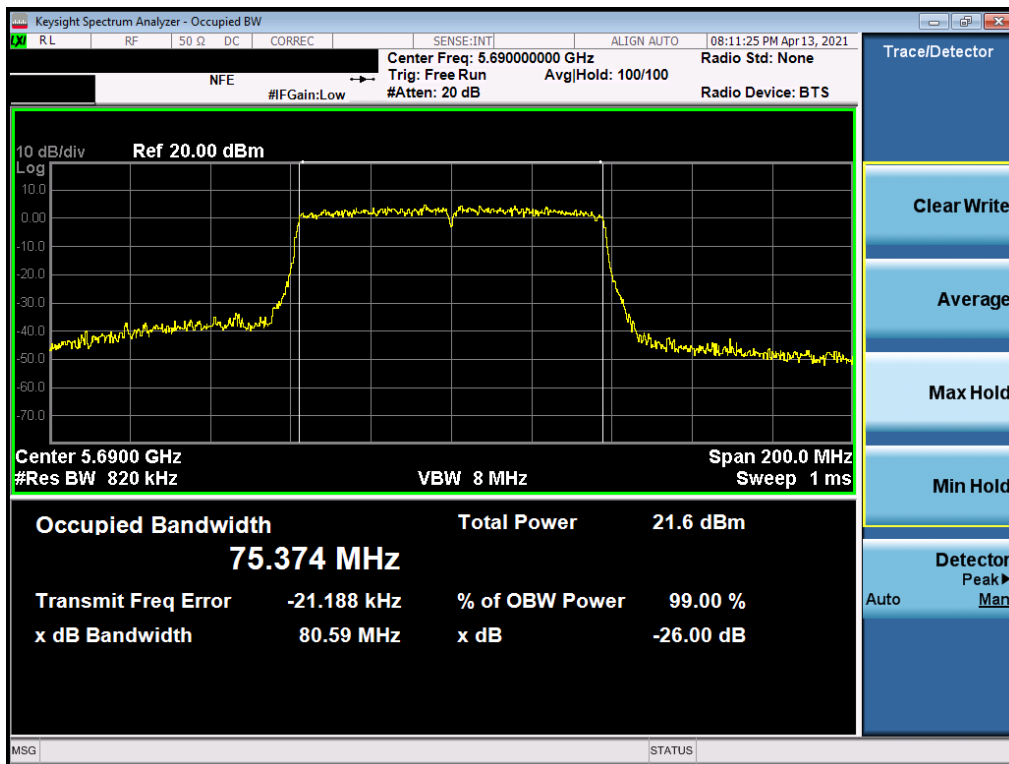


Plot 7-158. 26dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 106)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 97 of 309

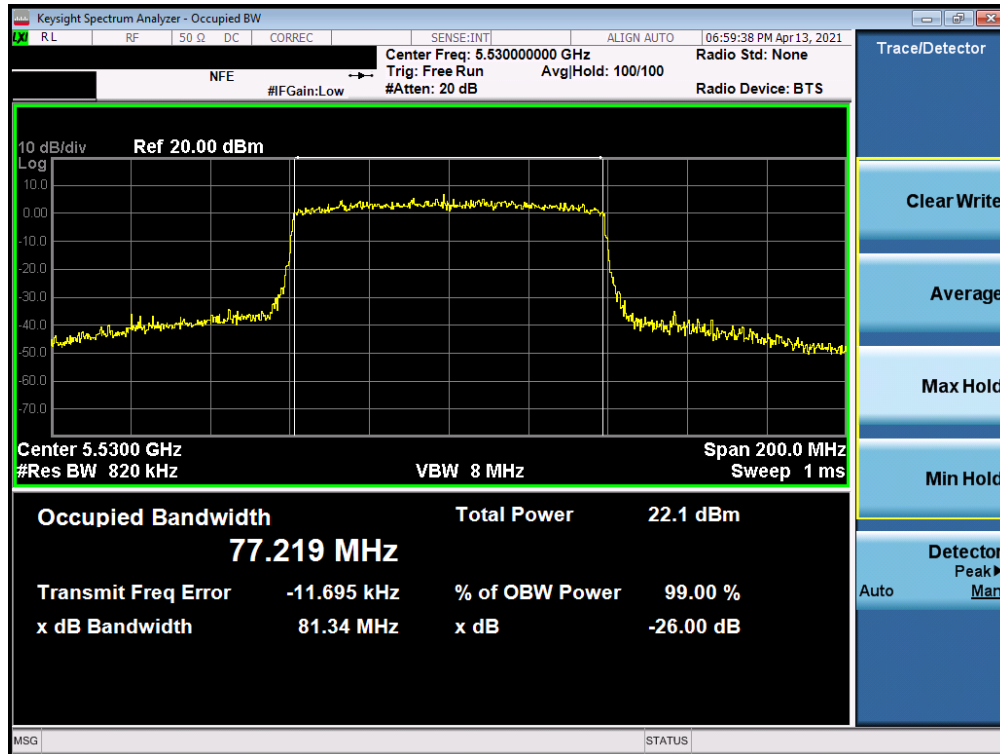


Plot 7-159. 26dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 122)

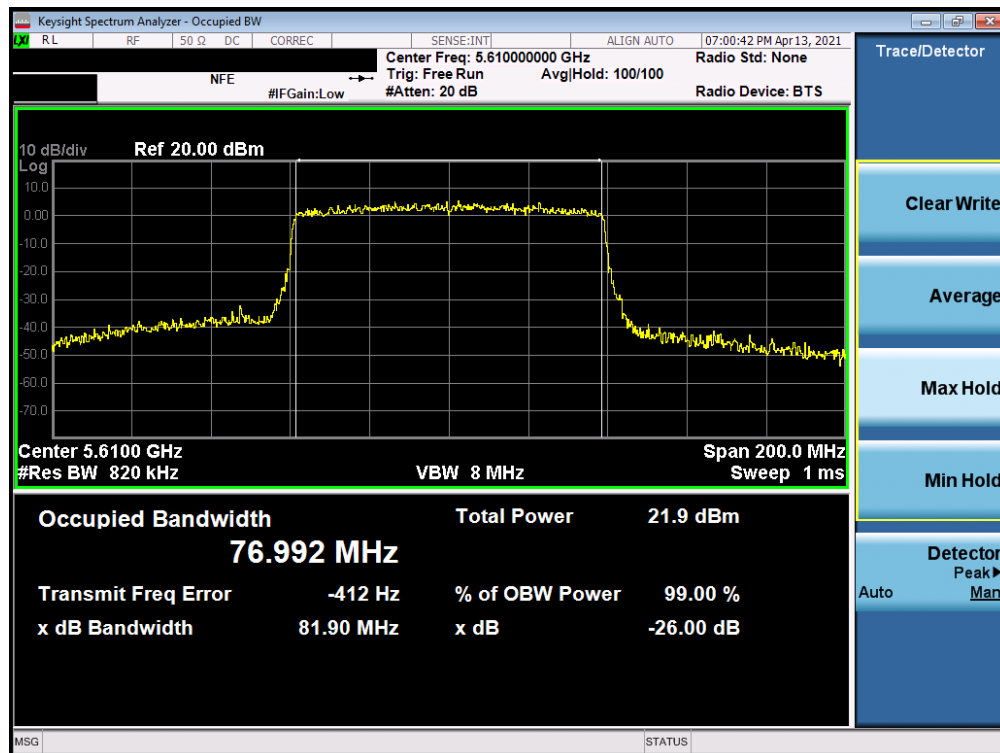


Plot 7-160. 26dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 138)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 98 of 309

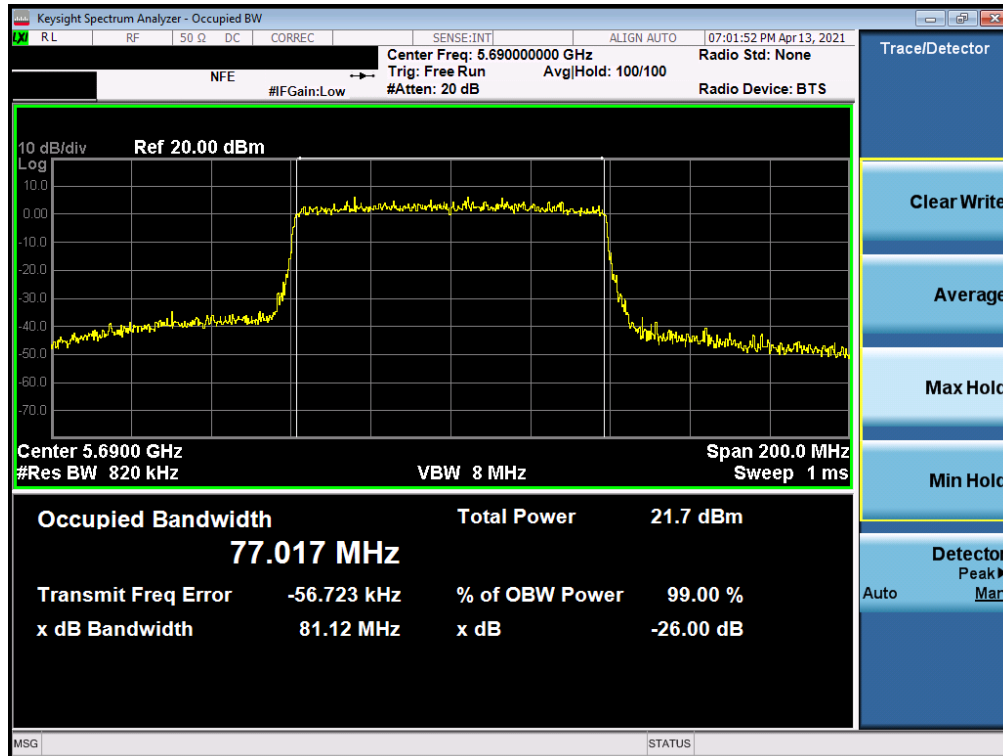


Plot 7-161. 26dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ax (UNII Band 2C) – Ch. 106)



Plot 7-162. 26dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ax (UNII Band 2C) – Ch. 122)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 99 of 309

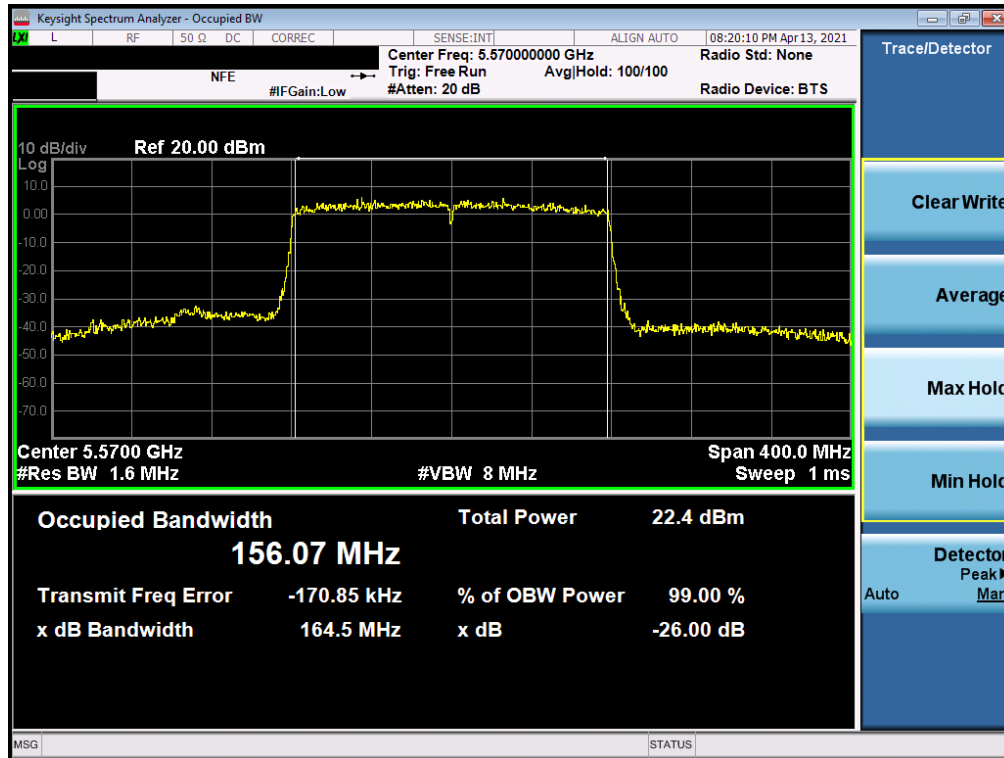


Plot 7-163. 26dB Bandwidth Plot MIMO ANT2 (80MHz BW 802.11ax (UNII Band 2C) – Ch. 138)



Plot 7-164. 26dB Bandwidth Plot MIMO ANT2 (160MHz BW 802.11ac (UNII Band 2C) – Ch. 114)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 100 of 309



Plot 7-165. 26dB Bandwidth Plot MIMO ANT2 (160MHz BW 802.11ax (UNII Band 2C) – Ch. 114)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 101 of 309

7.3 6dB Bandwidth Measurement – 802.11a/n/ac/ax §15.407 (e); RSS-Gen [6.2]

Test Overview and Limit

The bandwidth at 6dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. The spectrum analyzer's bandwidth measurement function is configured to measure the 6dB bandwidth.

In the 5.725 – 5.850GHz band, the 6dB bandwidth must be ≥ 500 kHz.

Test Procedure Used

ANSI C63.10-2013 – Section 6.9.2
KDB 789033 D02 v02r01 – Section C

Test Settings

1. The signal analyzers' automatic bandwidth measurement capability was used to perform the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to $X = 6$. The automatic bandwidth measurement function also has the capability of simultaneously measuring the 99% occupied bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 100 kHz
3. VBW $\geq 3 \times$ RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple

Test Setup

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



Figure 7-2. Test Instrument & Measurement Setup

Test Notes

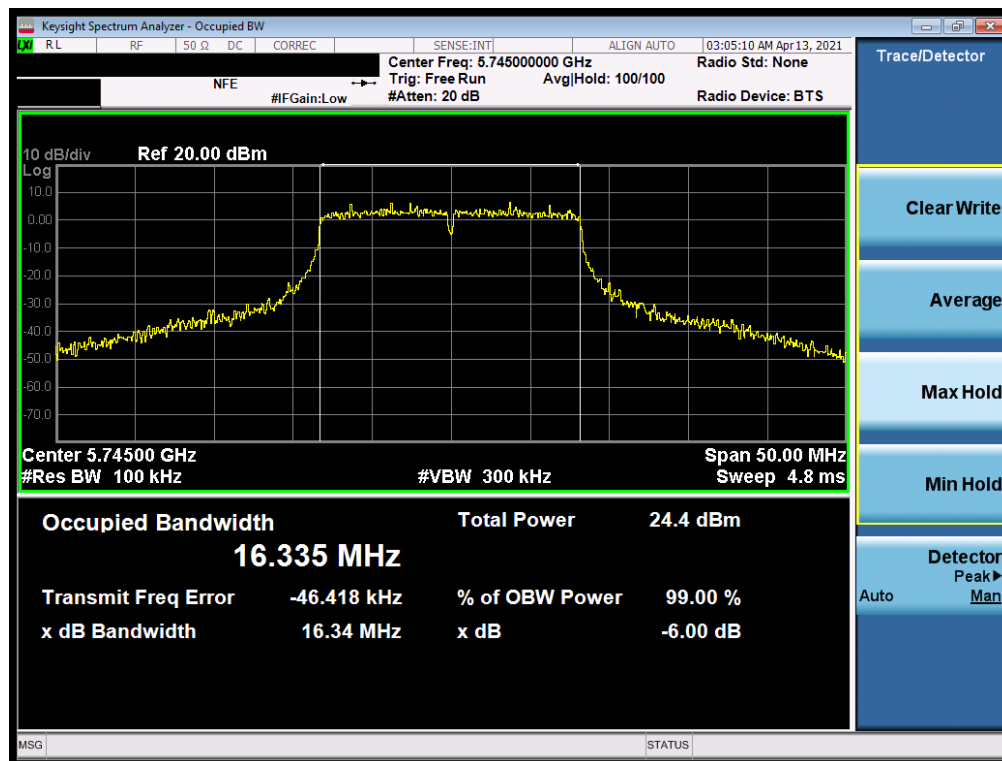
None.

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 102 of 309

SISO Antenna 1 – 6dB Bandwidth Measurements

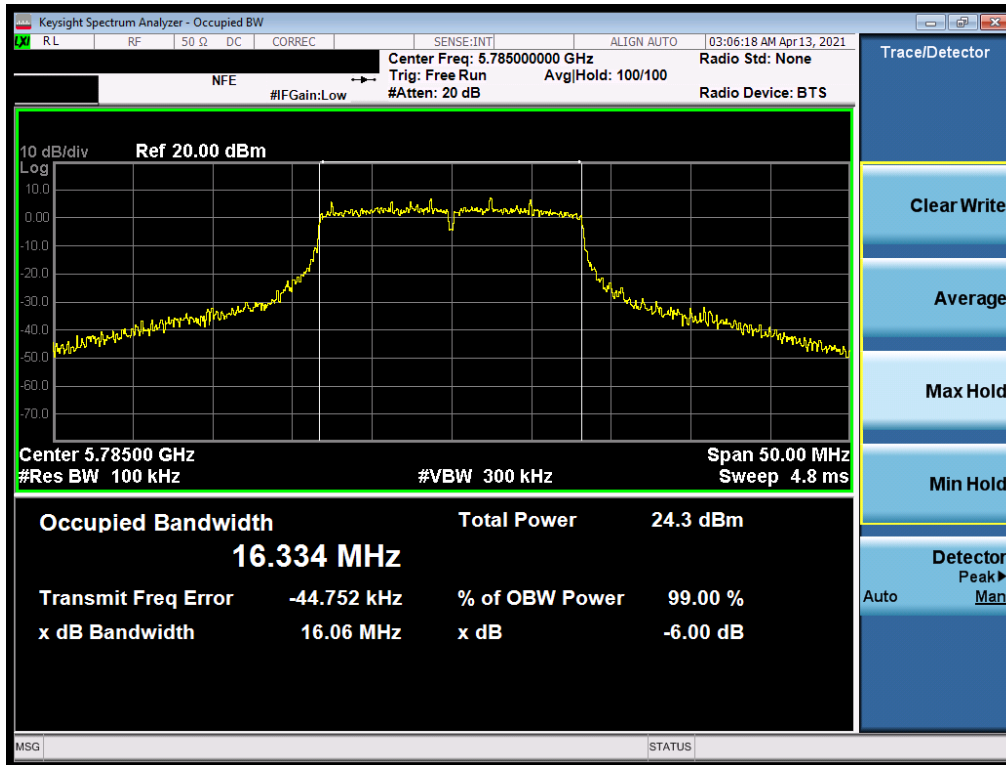
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured 6dB Bandwidth [MHz]
Band 3	5745	149	a	6	16.34
	5785	157	a	6	16.06
	5825	165	a	6	16.32
	5745	149	n (20MHz)	6.5/7.2 (MCS0)	16.58
	5785	157	n (20MHz)	6.5/7.2 (MCS0)	16.60
	5825	165	n (20MHz)	6.5/7.2 (MCS0)	17.00
	5745	149	ax (20MHz)	6.5/7.2 (MCS0)	18.98
	5785	157	ax (20MHz)	6.5/7.2 (MCS0)	18.80
	5825	165	ax (20MHz)	6.5/7.2 (MCS0)	18.28
	5755	151	n (40MHz)	13.5/15 (MCS0)	35.22
	5795	159	n (40MHz)	13.5/15 (MCS0)	35.28
	5755	151	ax (40MHz)	13.5/15 (MCS0)	36.73
	5795	159	ax (40MHz)	13.5/15 (MCS0)	37.34
	5775	155	ac (80MHz)	29.3/32.5 (MCS0)	74.39
	5775	155	ax (80MHz)	29.3/32.5 (MCS0)	77.29

Table 7-4. Conducted Bandwidth Measurements SISO ANT1

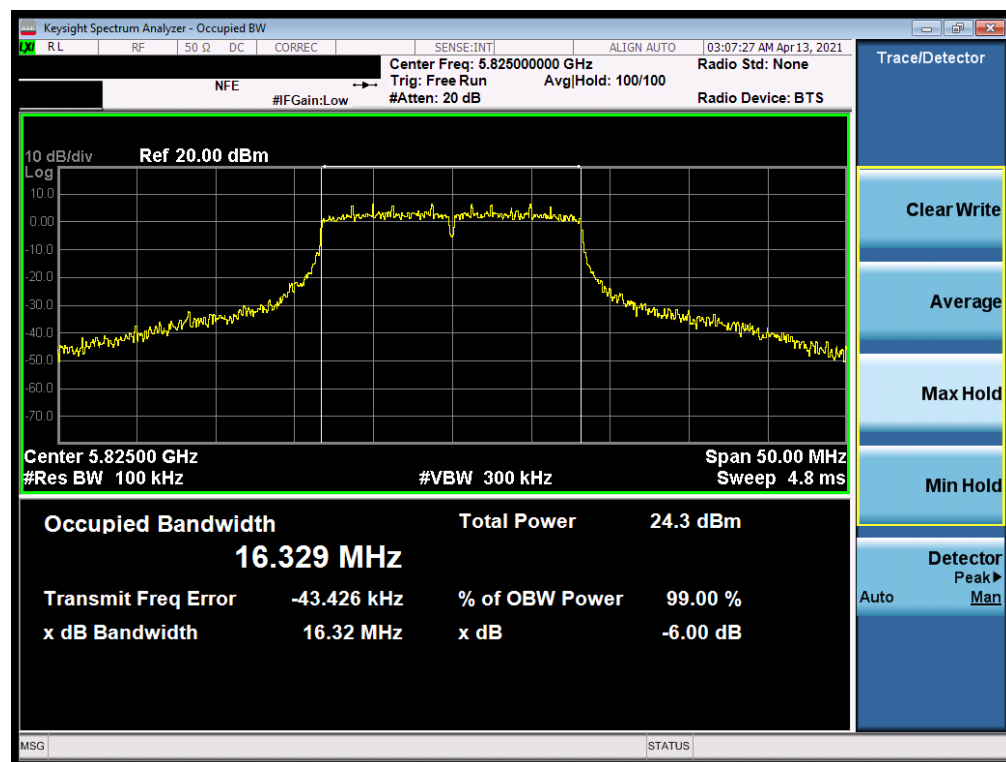


Plot 7-166. 6dB Bandwidth Plot SISO ANT 1 (802.11a (UNII Band 3) – Ch. 149)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 103 of 309

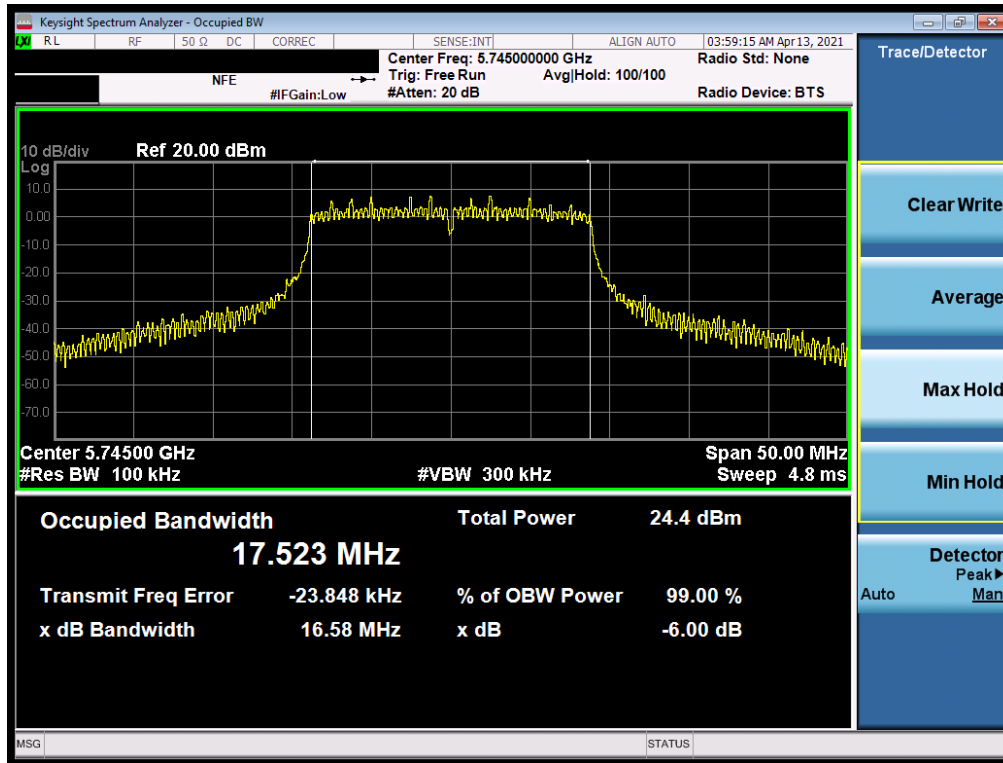


Plot 7-167. 6dB Bandwidth Plot SISO ANT 1 (802.11a (UNII Band 3) – Ch. 157)

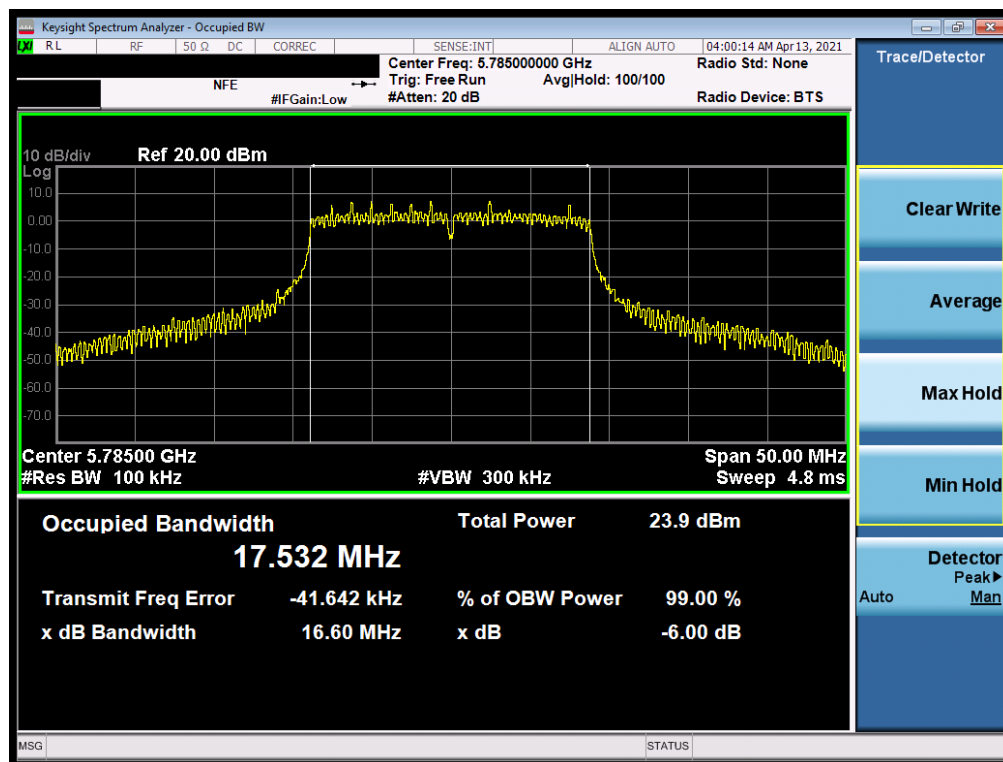


Plot 7-168. 6dB Bandwidth Plot SISO ANT 1 (802.11a (UNII Band 3) – Ch. 165)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 104 of 309

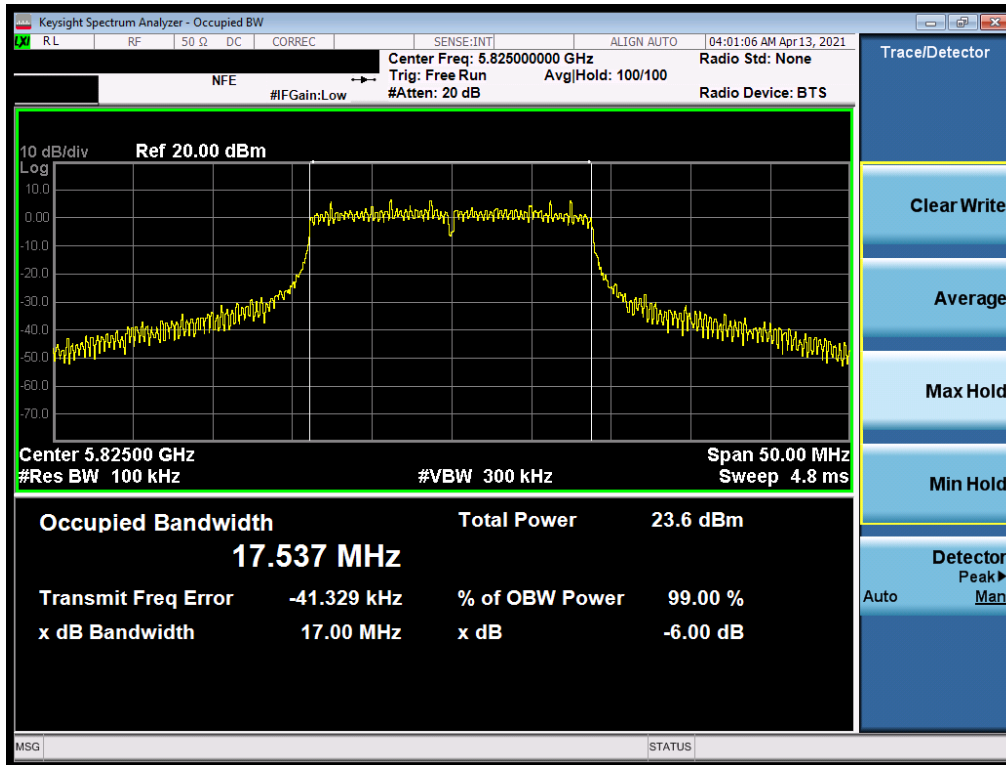


Plot 7-169. 6dB Bandwidth Plot SISO ANT 1 (20MHz 802.11n (UNII Band 3) – Ch. 149)

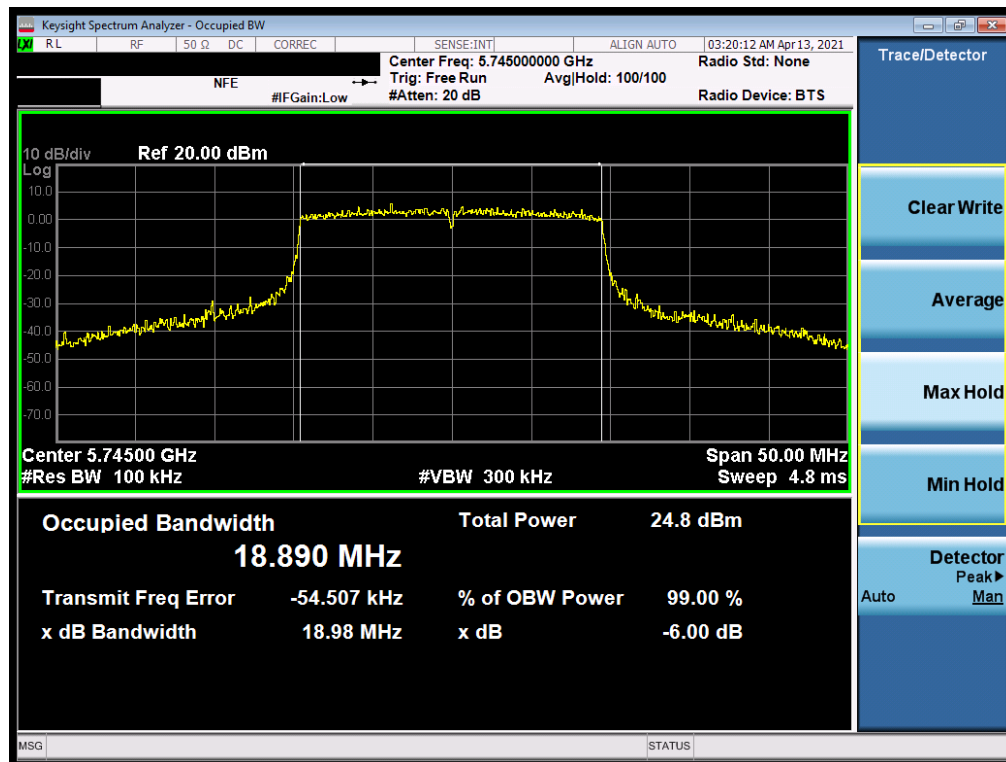


Plot 7-170. 6dB Bandwidth Plot SISO ANT 1 (20MHz 802.11n (UNII Band 3) – Ch. 157)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 105 of 309

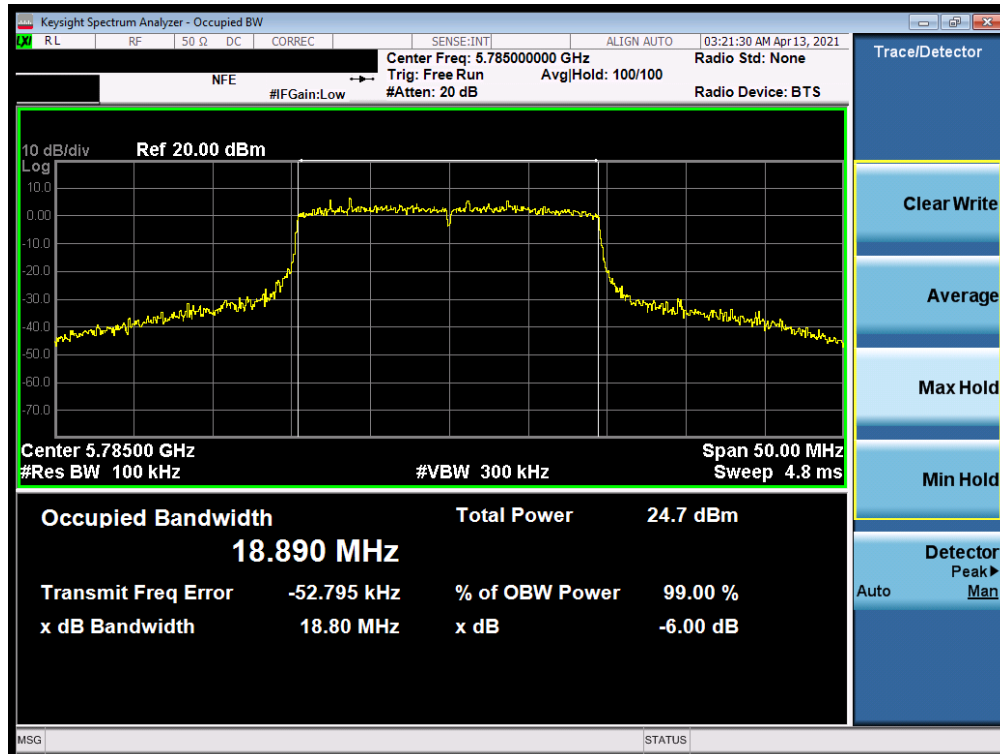


Plot 7-171. 6dB Bandwidth Plot SISO ANT 1 (20MHz 802.11n (UNII Band 3) – Ch. 165)

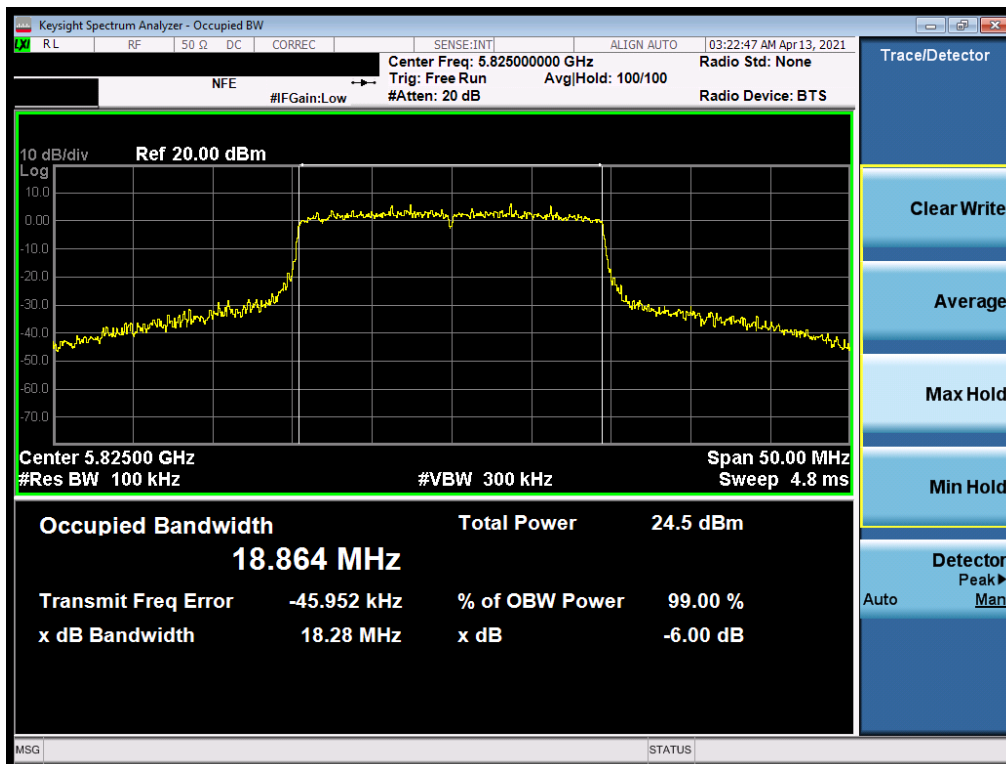


Plot 7-172. 6dB Bandwidth Plot SISO ANT 1 (20MHz 802.11ax (UNII Band 3) – Ch. 149)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 106 of 309

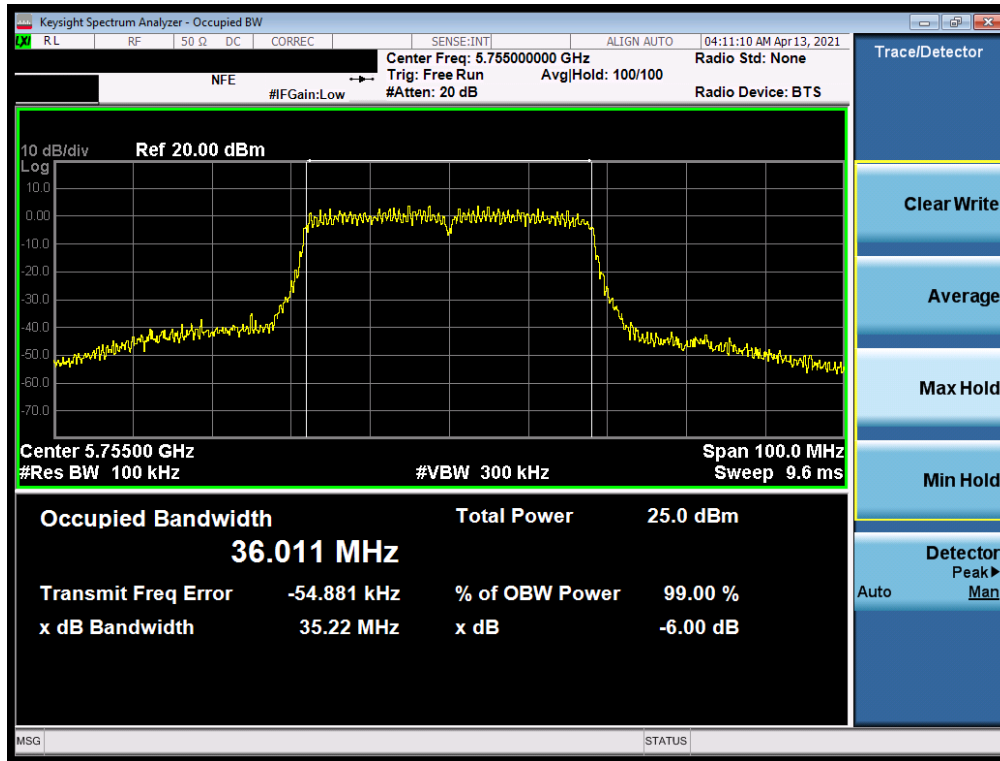


Plot 7-173. 6dB Bandwidth Plot SISO ANT 1 (20MHz 802.11ax (UNII Band 3) – Ch. 157)

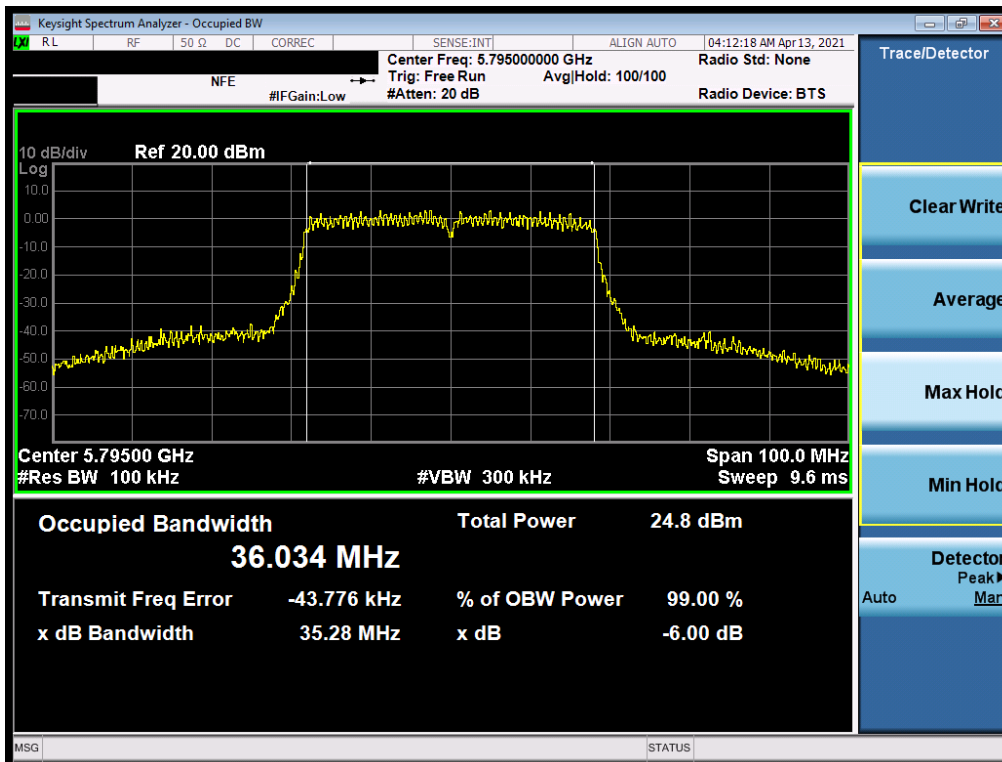


Plot 7-174. 6dB Bandwidth Plot SISO ANT 1 (20MHz 802.11ax (UNII Band 3) – Ch. 165)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 107 of 309



Plot 7-175. 6dB Bandwidth Plot SISO ANT 1 (40MHz 802.11n (UNII Band 3) – Ch. 151)



Plot 7-176. 6dB Bandwidth Plot SISO ANT 1 (40MHz 802.11n (UNII Band 3) – Ch. 159)

FCC ID: A3LSMF926B	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104190044-13.A3L	Test Dates: 04/22/21 - 06/22/21	EUT Type: Portable Handset		Page 108 of 309