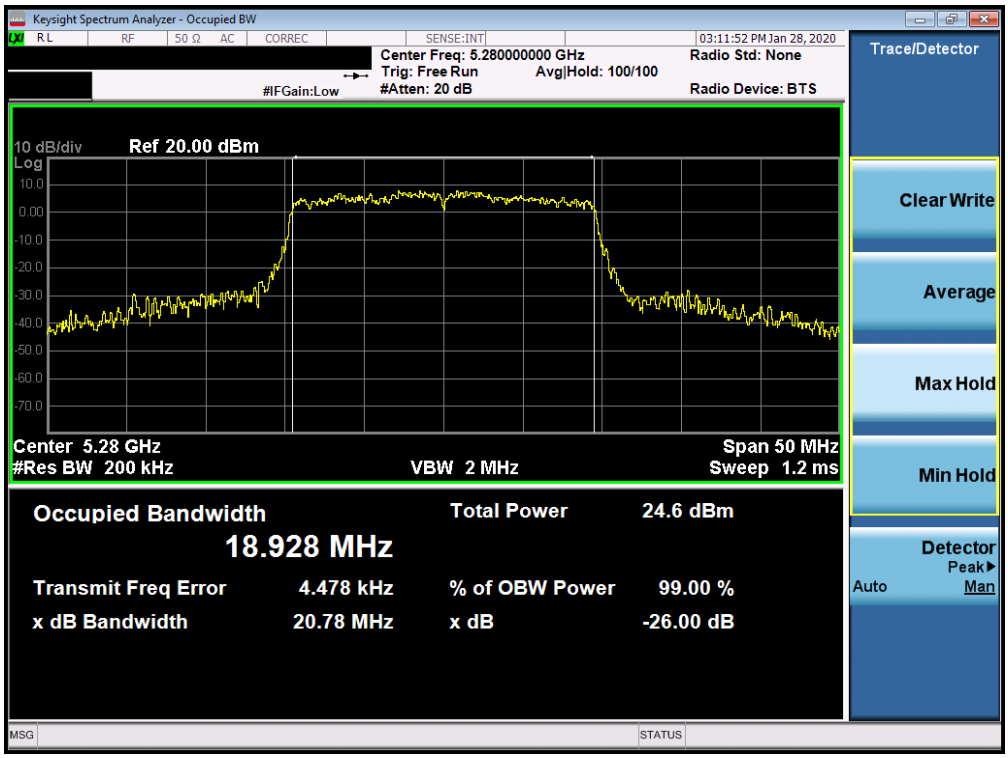
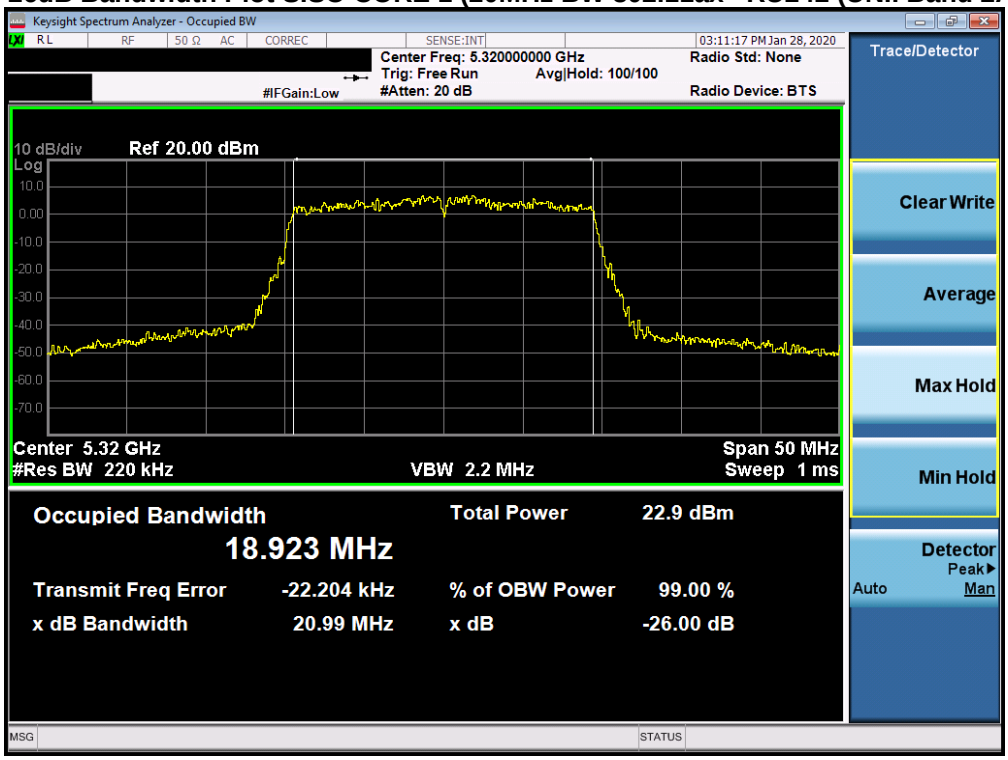
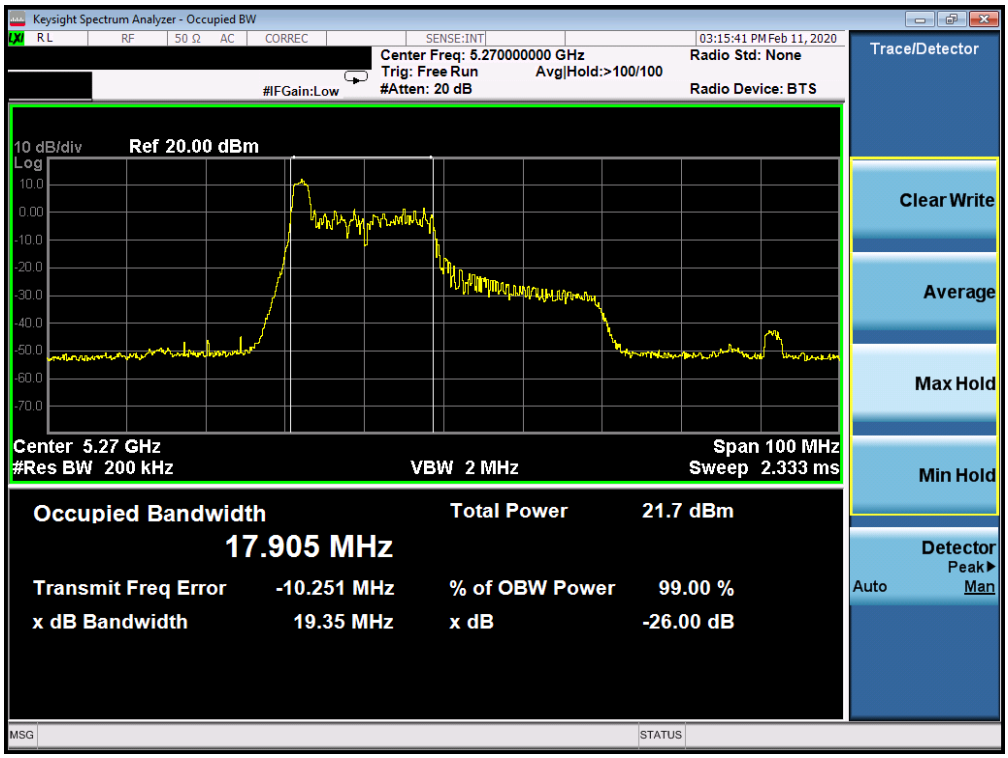


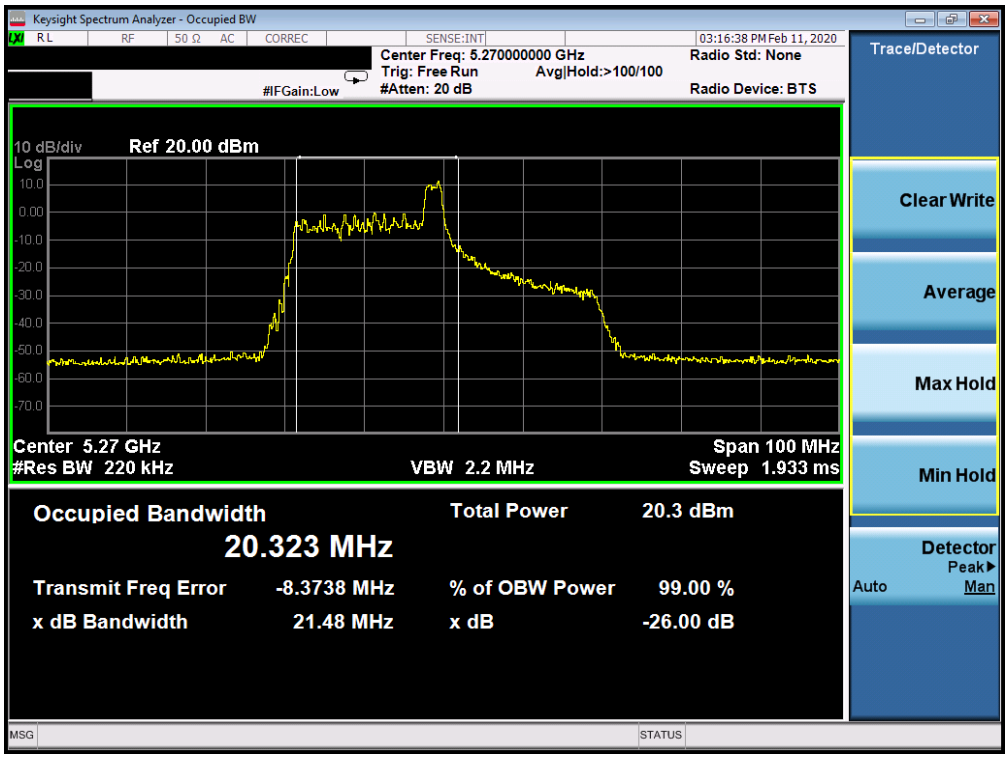
Plot 7-115. 26dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax– RU242 (UNII Band 2A) – Ch. 56)



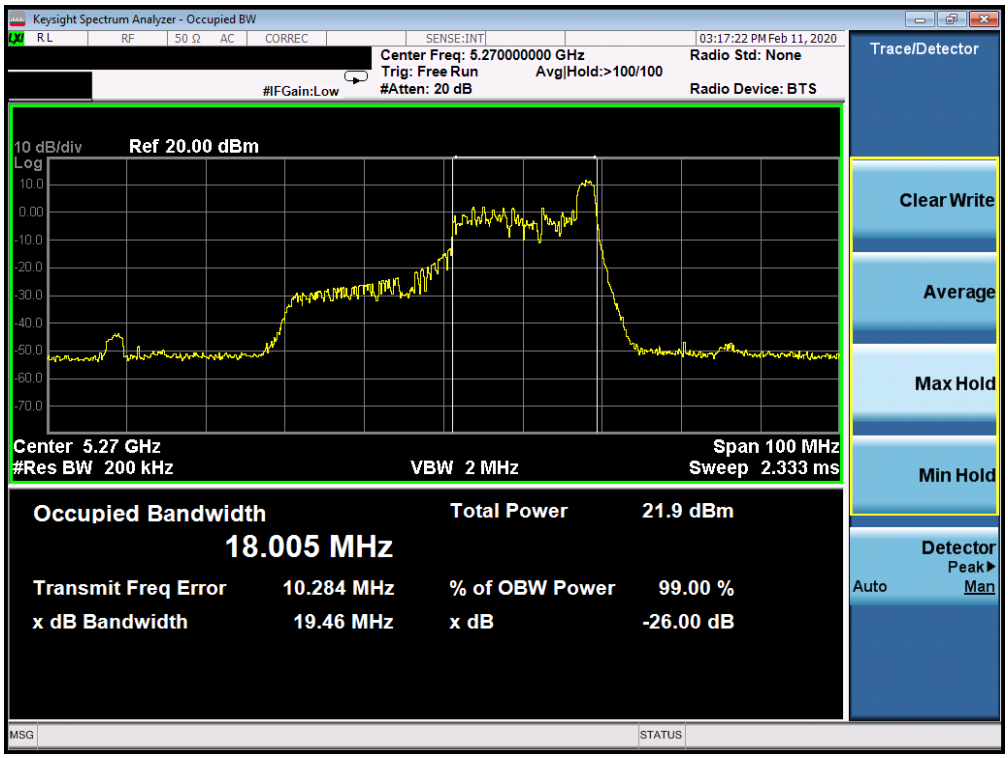
Plot 7-116. 26dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax– RU242 (UNII Band 2A) – Ch. 64)



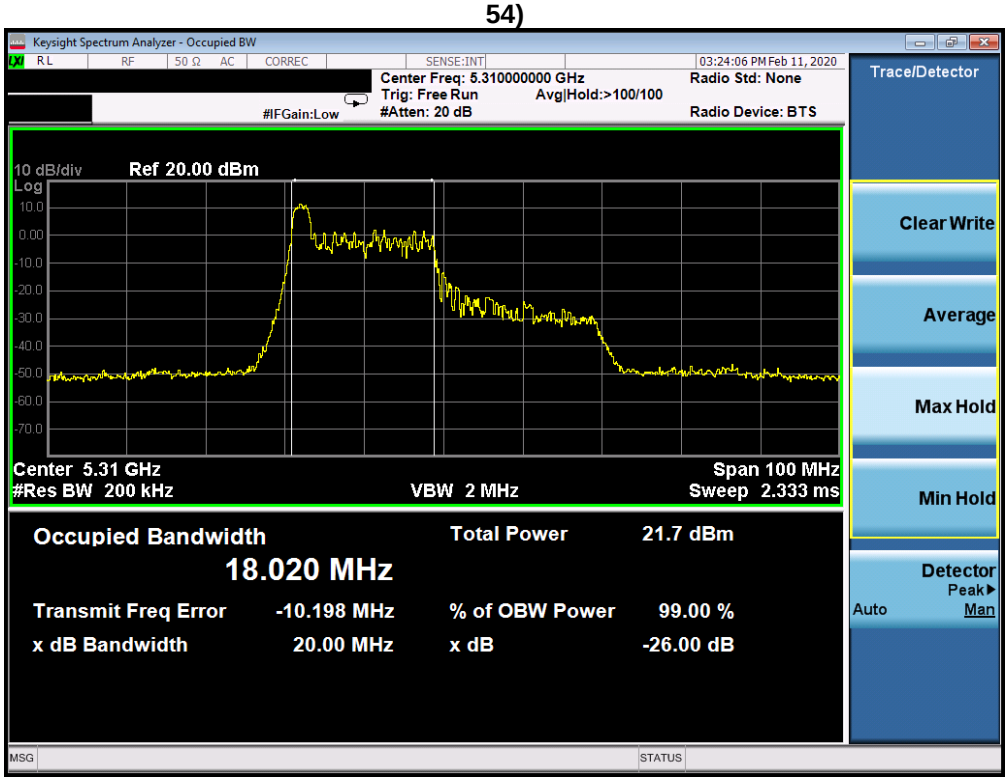
Plot 7-117. 26dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 0 – RU26 (UNII Band 2A) – Ch. 54)



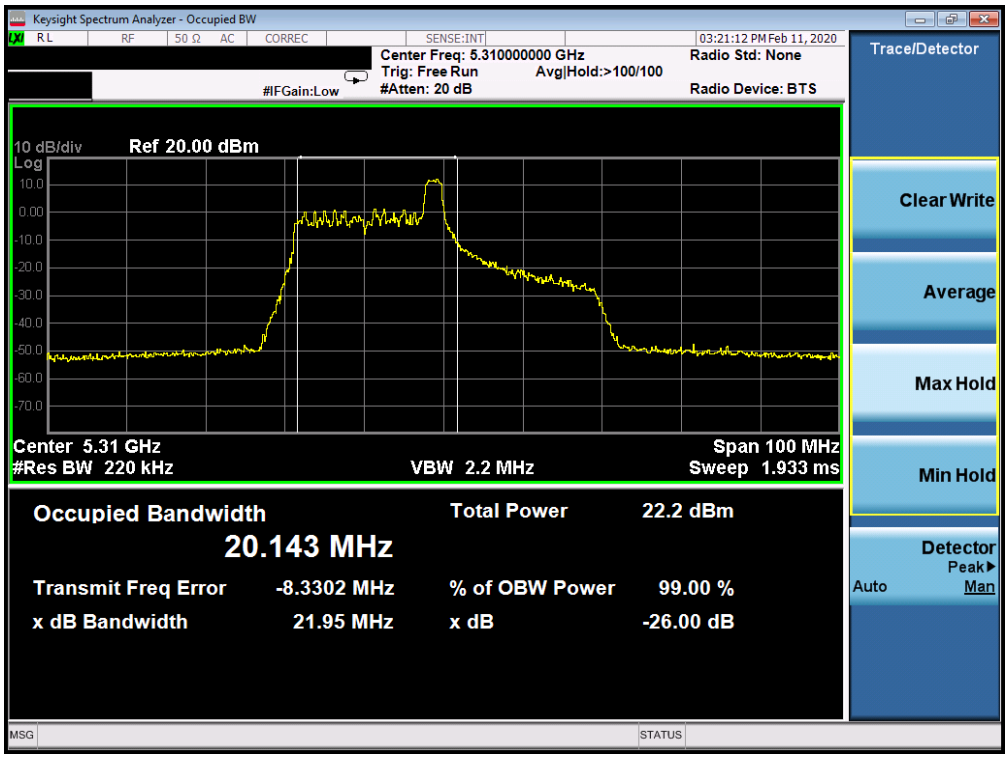
Plot 7-118. 26dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 8 – RU26 (UNII Band 2A) – Ch. 54)



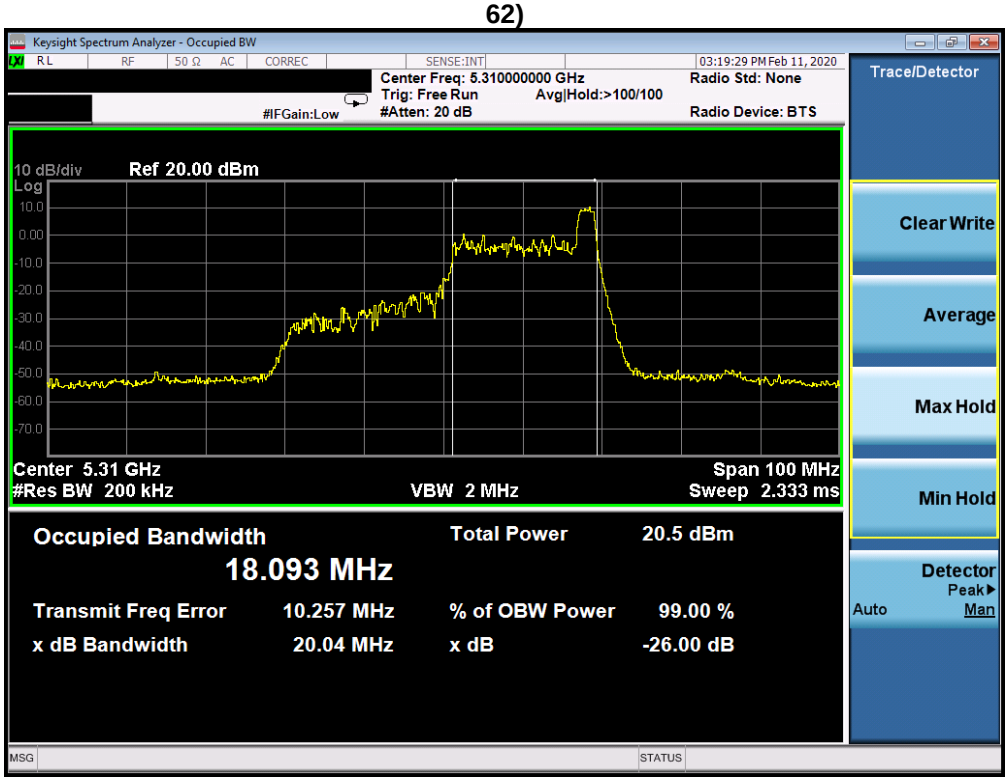
Plot 7-119. 26dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 17 – RU26 (UNII Band 2A) – Ch. 54)



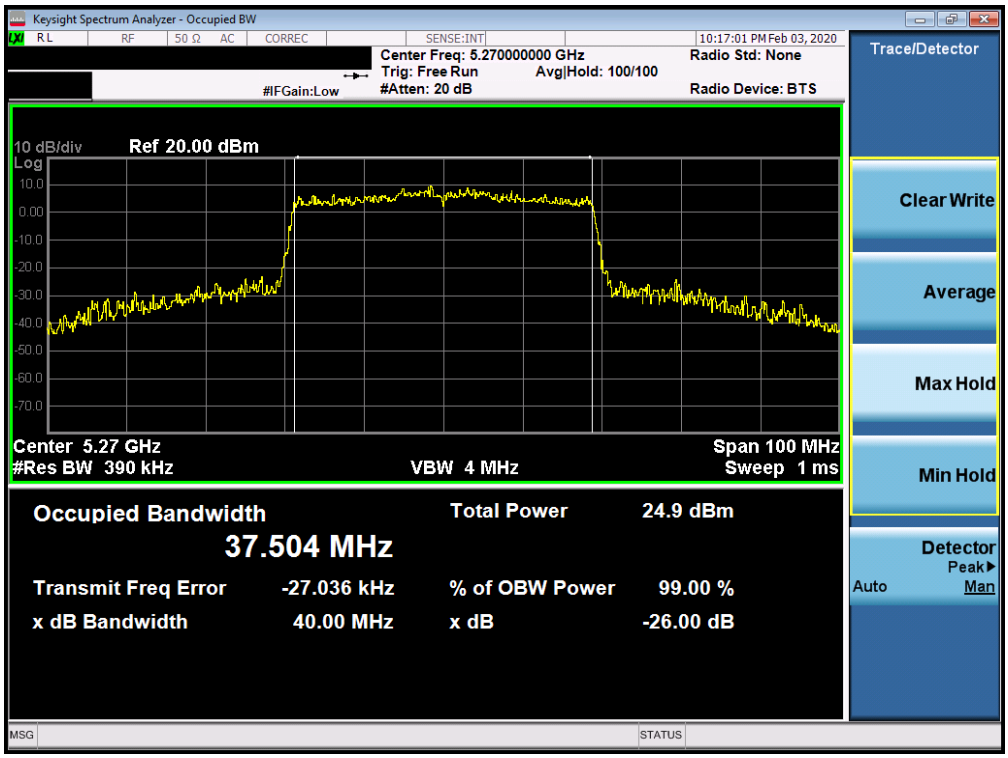
Plot 7-120. 26dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 0 – RU26 (UNII Band 2A) – Ch. 62)



Plot 7-121. 26dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 8 – RU26 (UNII Band 2A) – Ch. 62)

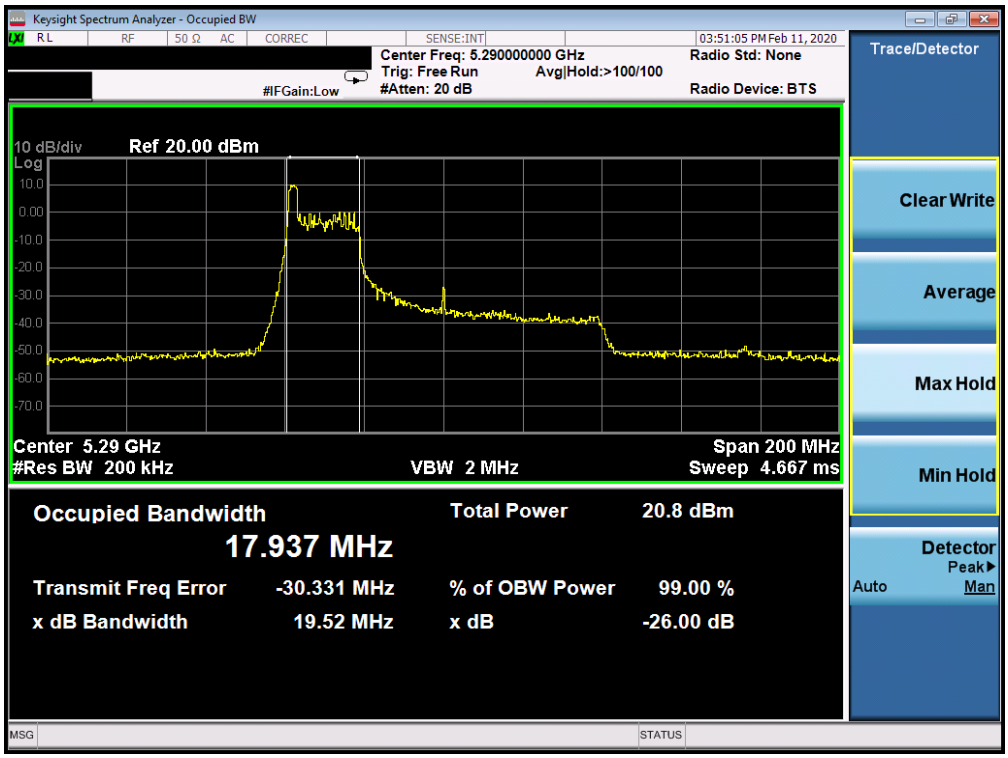


Plot 7-122. 26dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 17 – RU26 (UNII Band 2A) – Ch. 62)

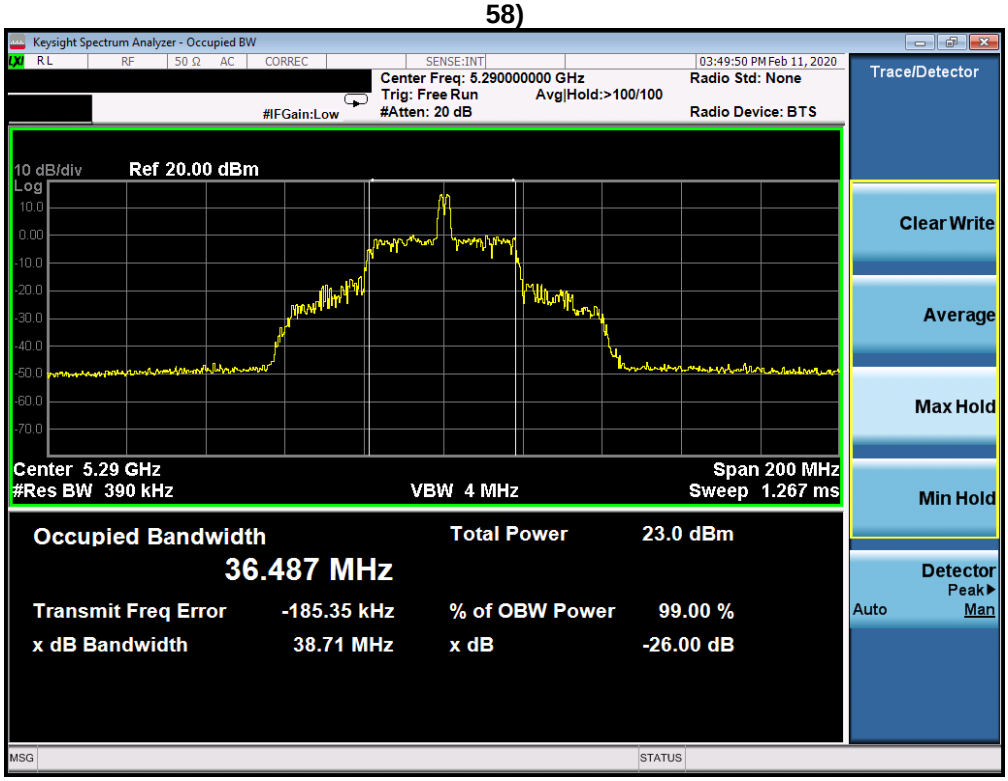


Plot 7-123. 26dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax – RU484 (UNII Band 2A) – Ch. 54)

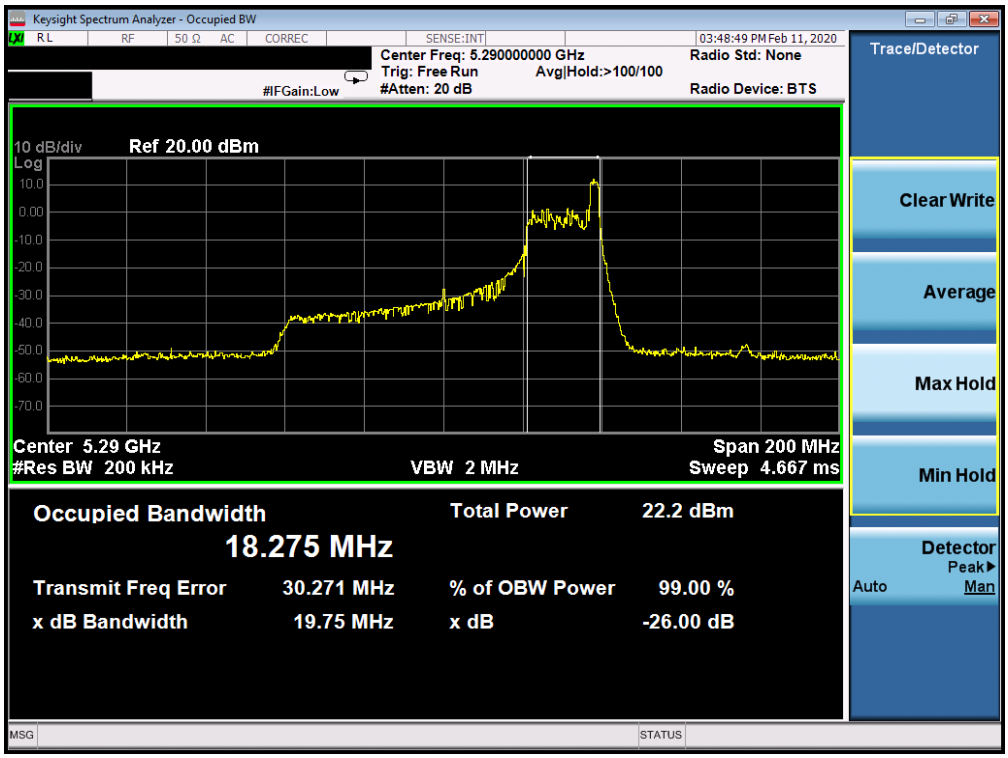
Plot 7-124. 26dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax – RU484 (UNII Band 2A) – Ch. 62)



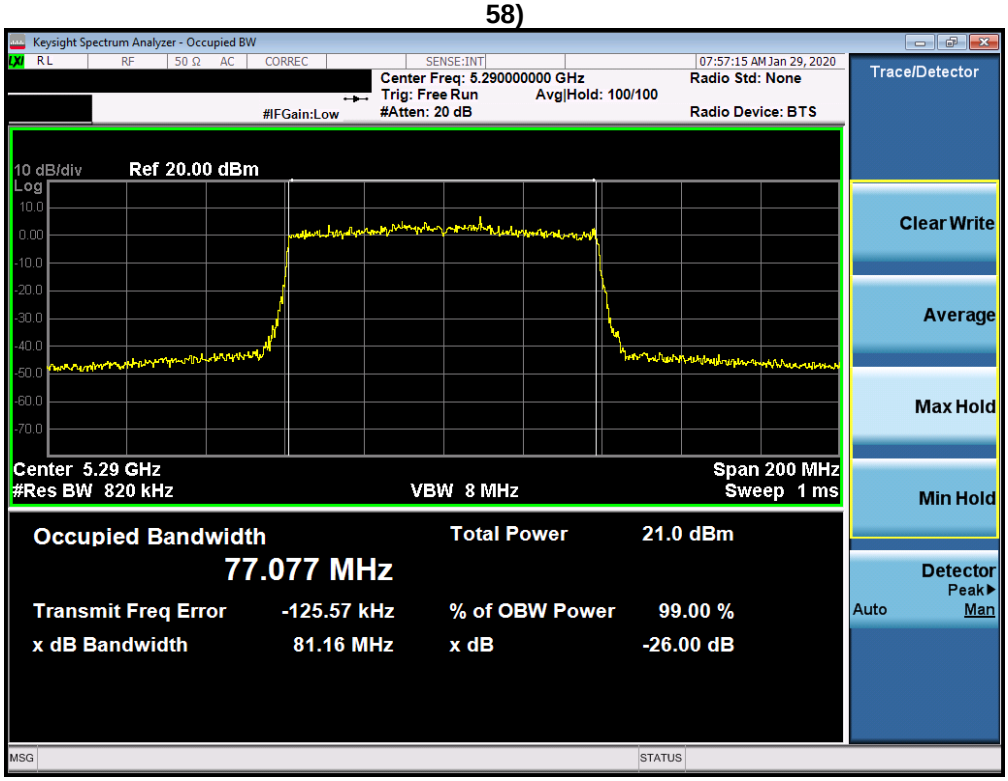
Plot 7-125. 26dB Bandwidth Plot SISO CORE 1 (80MHz BW 802.11ax Index 0 – RU26 (UNII Band 2A) – Ch. 58)



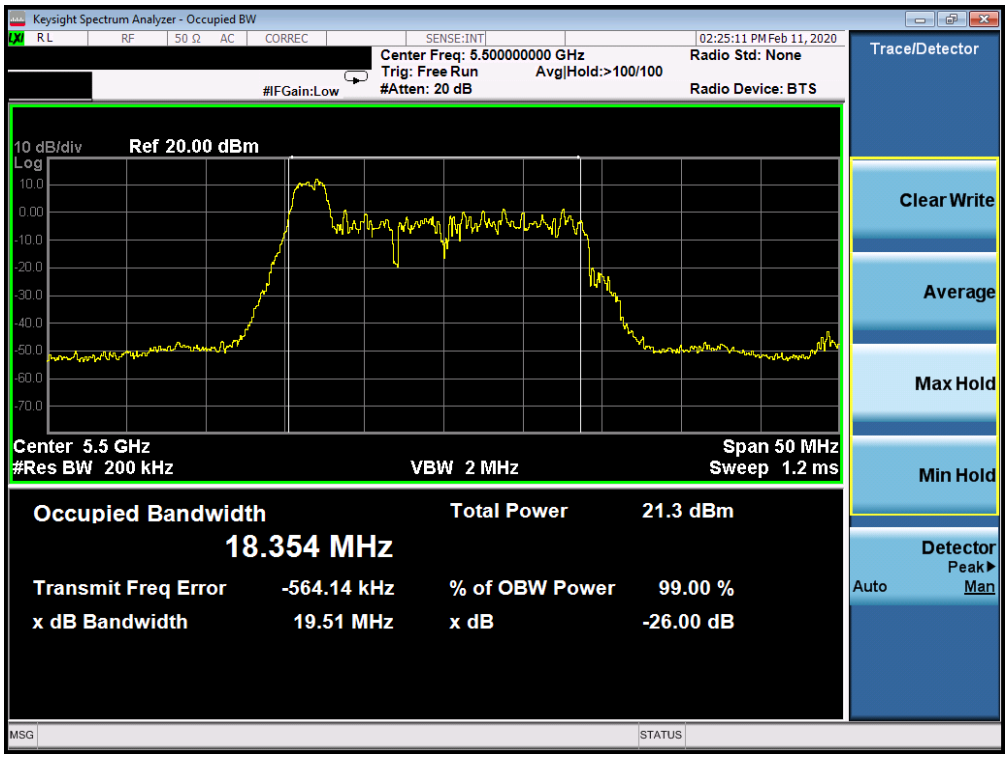
Plot 7-126. 26dB Bandwidth Plot SISO CORE 1 (80MHz BW 802.11ax Index 18 – RU26 (UNII Band 2A) – Ch. 58)



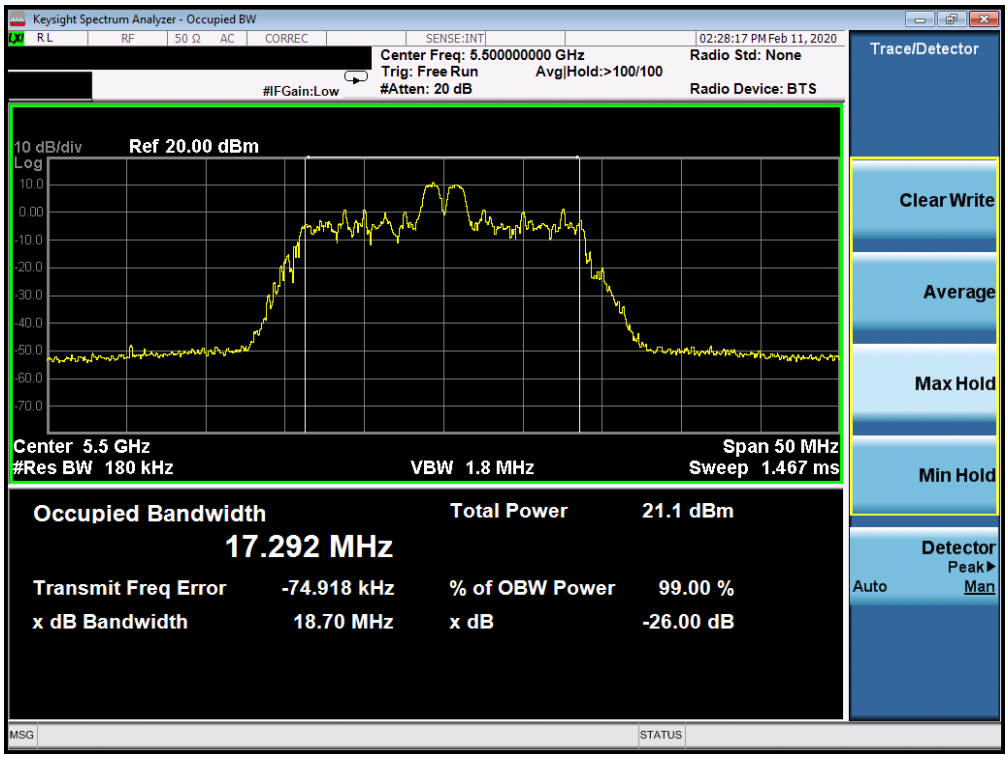
Plot 7-127. 26dB Bandwidth Plot SISO CORE 1 (80MHz BW 802.11ax Index 36 – RU26 (UNII Band 2A) – Ch. 58)



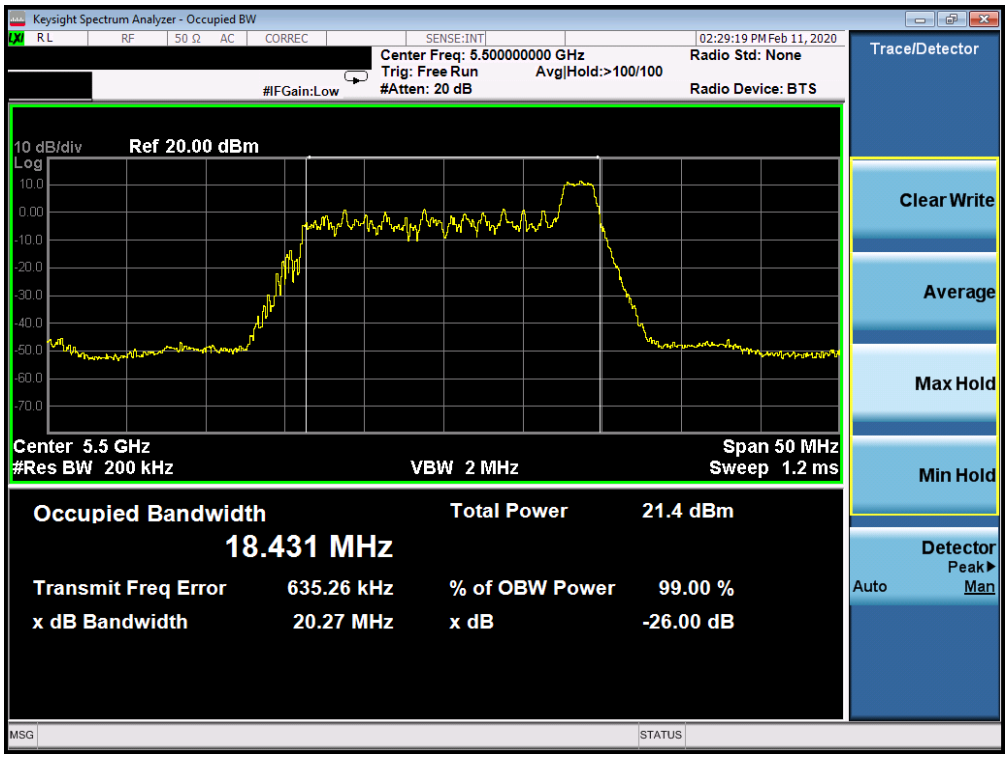
Plot 7-128. 26dB Bandwidth Plot SISO CORE 1 (80MHz BW 802.11ax – RU996 (UNII Band 2A) – Ch. 58)



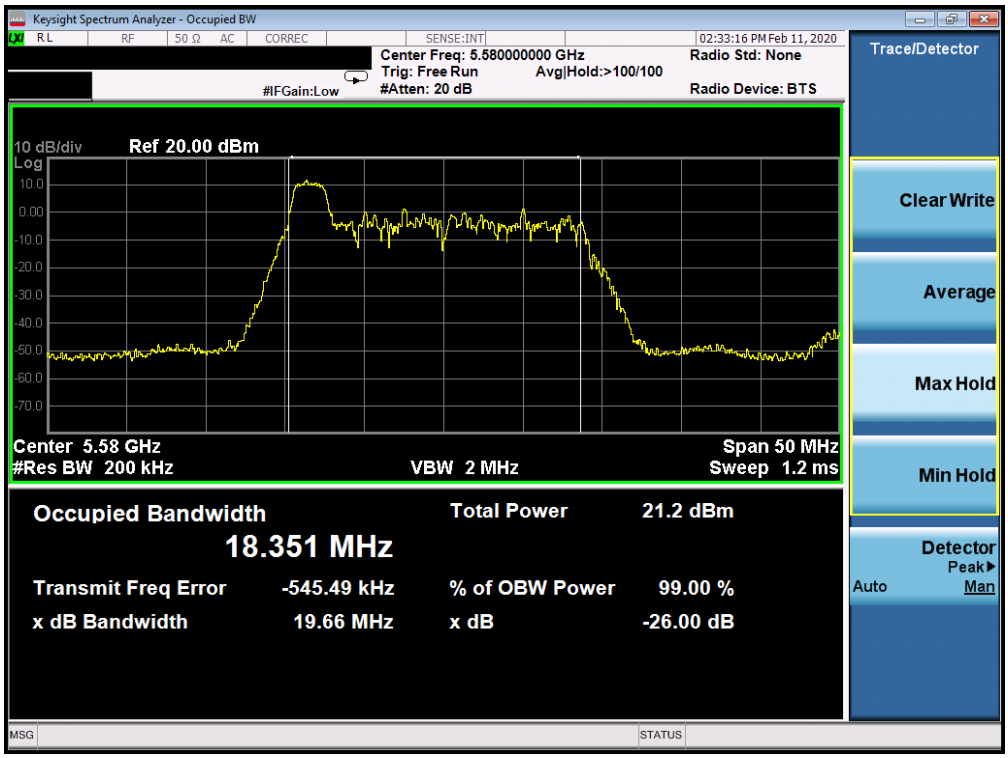
Plot 7-129. 26dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax Index 0 – RU26 (UNII Band 2C) – Ch. 100)



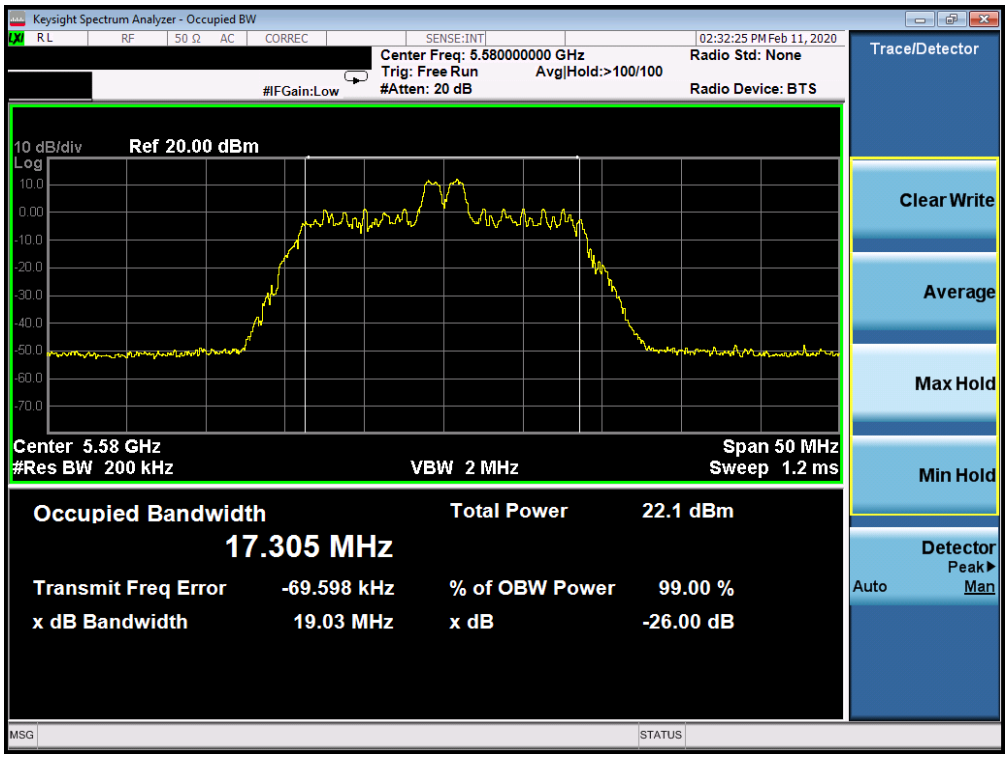
Plot 7-130. 26dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax Index 4 – RU26 (UNII Band 2C) – Ch. 100)



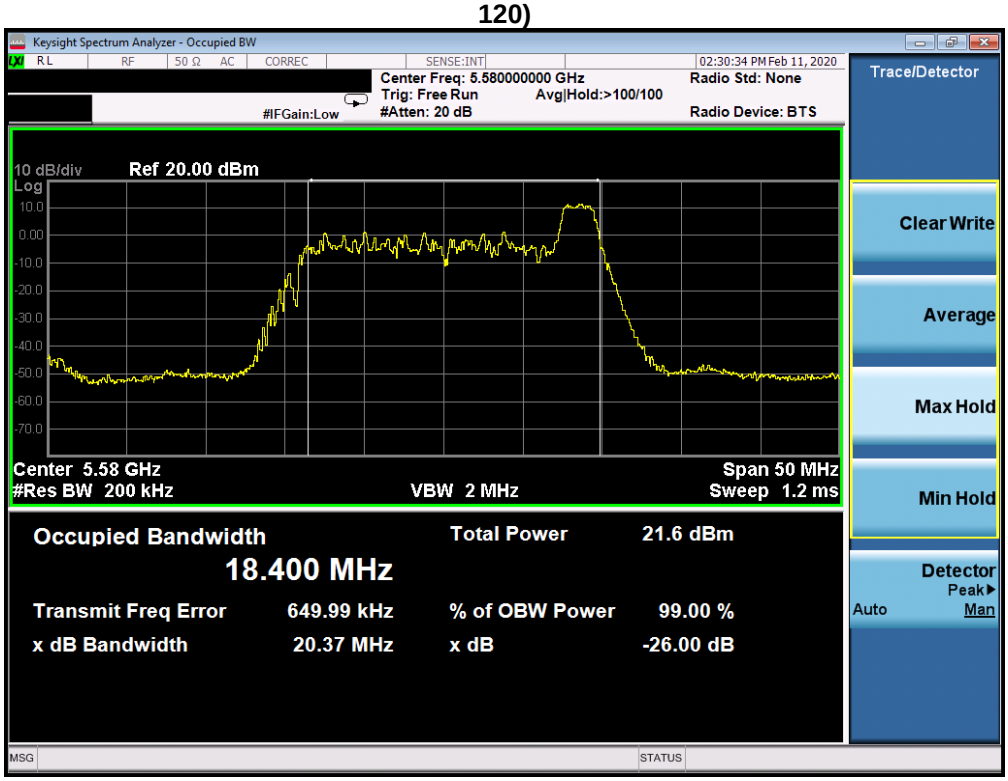
Plot 7-131. 26dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax Index 8 – RU26 (UNII Band 2C) – Ch. 100)



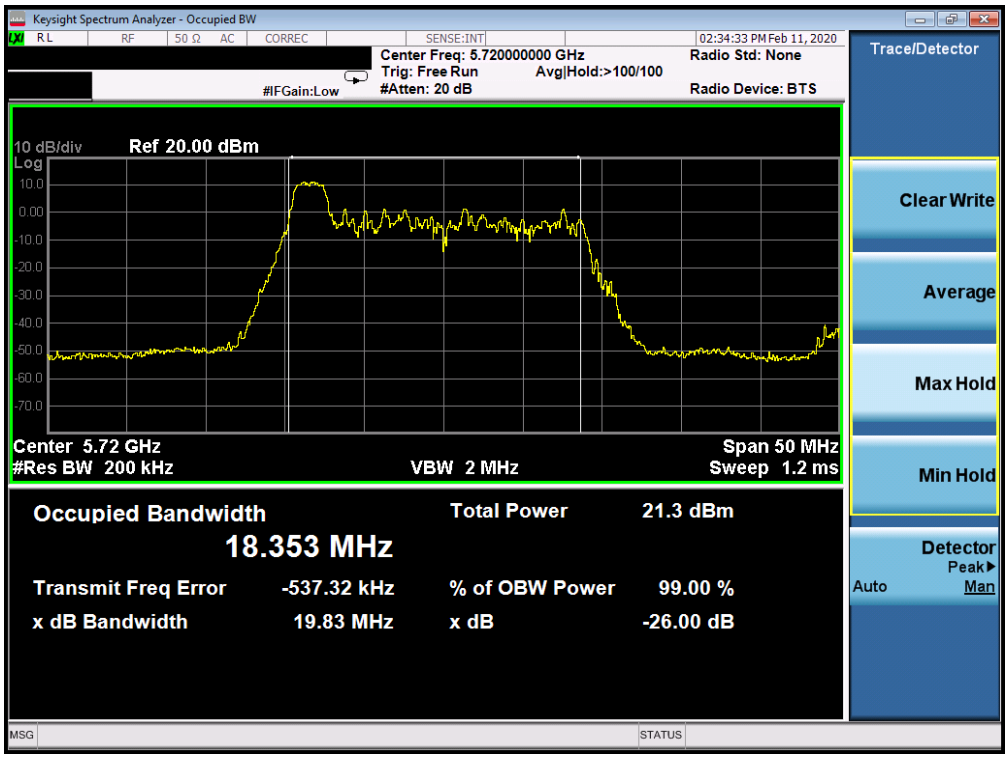
Plot 7-132. 26dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax Index 0 – RU26 (UNII Band 2C) – Ch. 120)



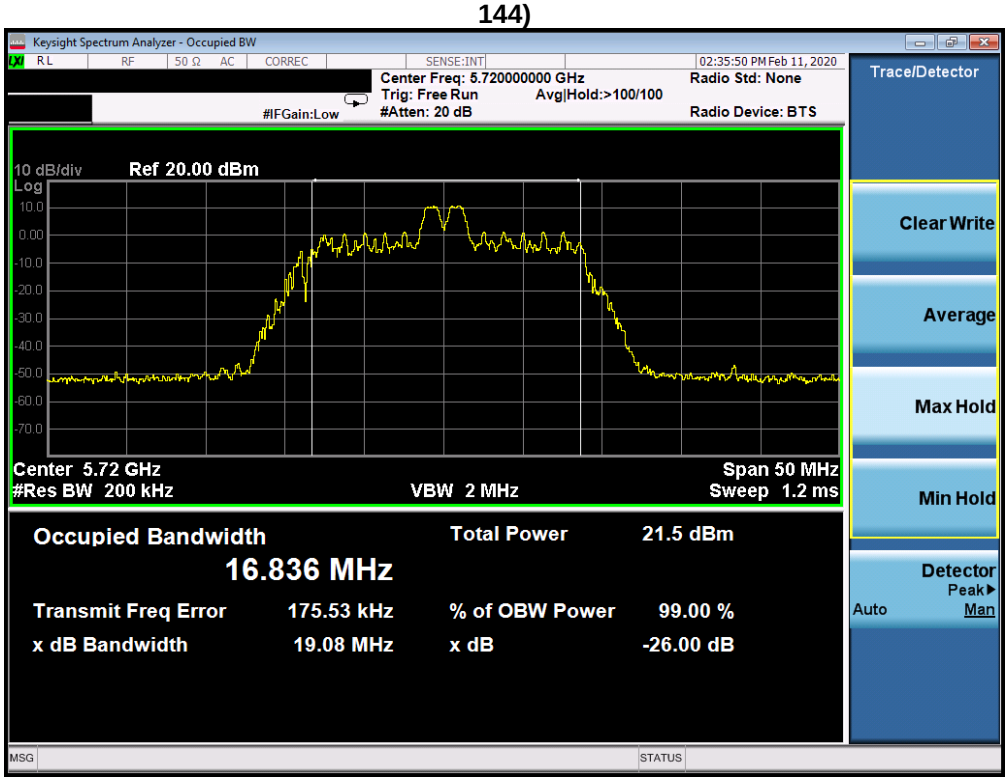
Plot 7-133. 26dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax Index 4 – RU26 (UNII Band 2C) – Ch. 120)



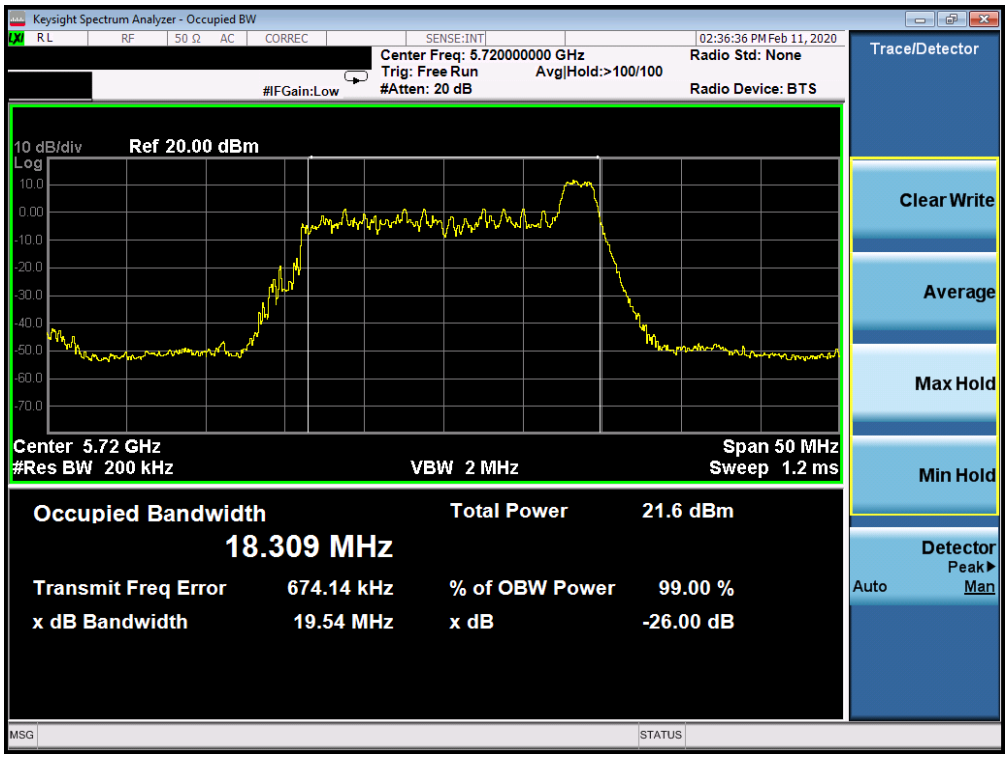
Plot 7-134. 26dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax Index 8– RU26 (UNII Band 2C) – Ch. 120)



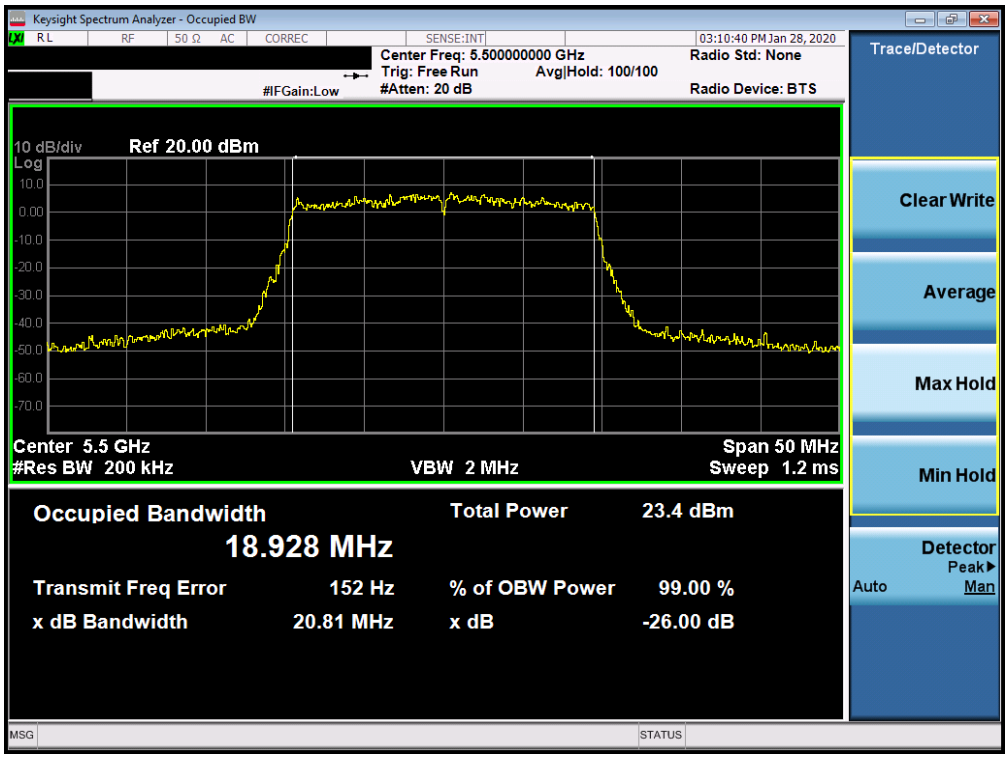
Plot 7-135. 26dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax Index 0 – RU26 (UNII Band 2C) – Ch. 144)



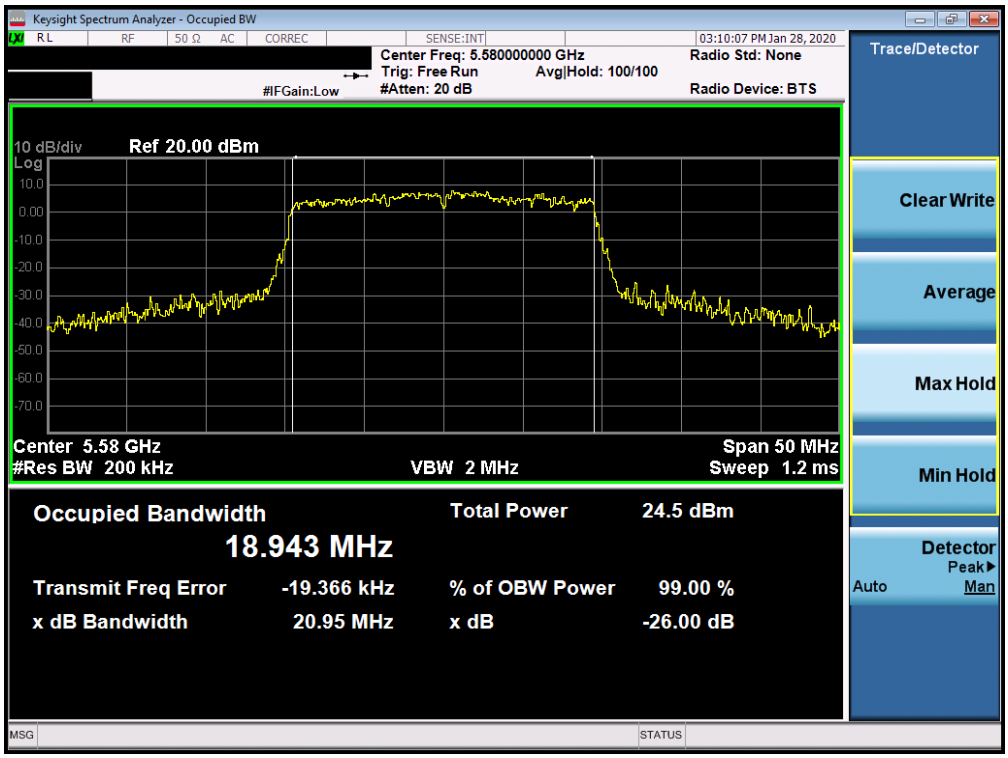
Plot 7-136. 26dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax Index 4 – RU26 (UNII Band 2C) – Ch. 144)



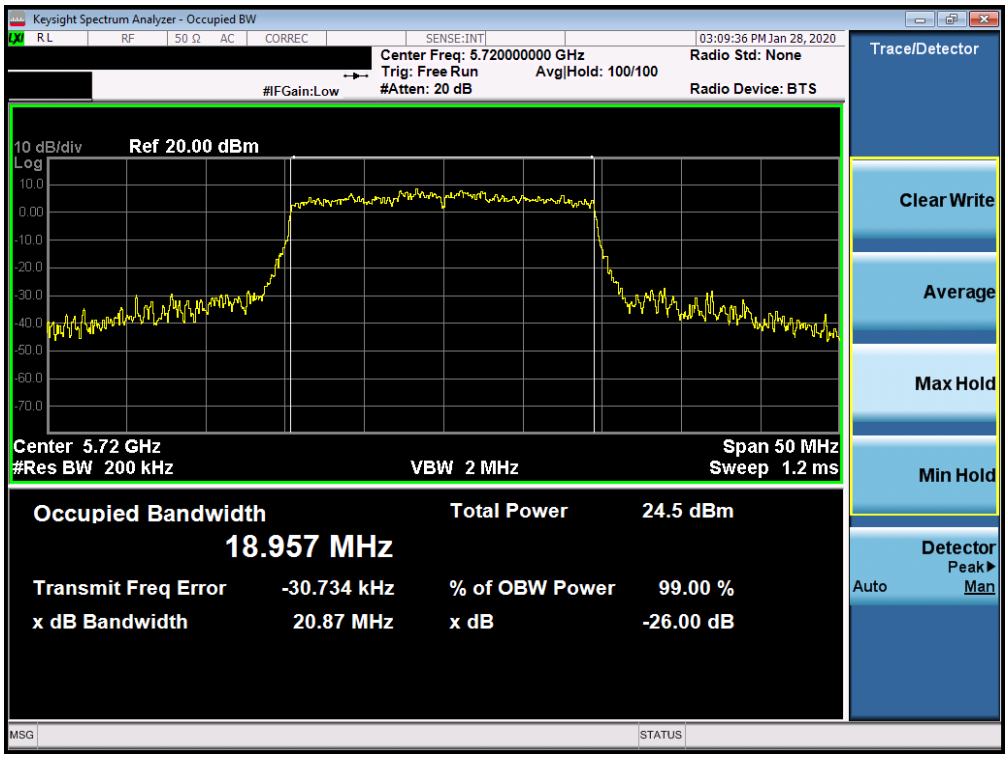
Plot 7-137. 26dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax Index 8 – RU26 (UNII Band 2C) – Ch. 144)



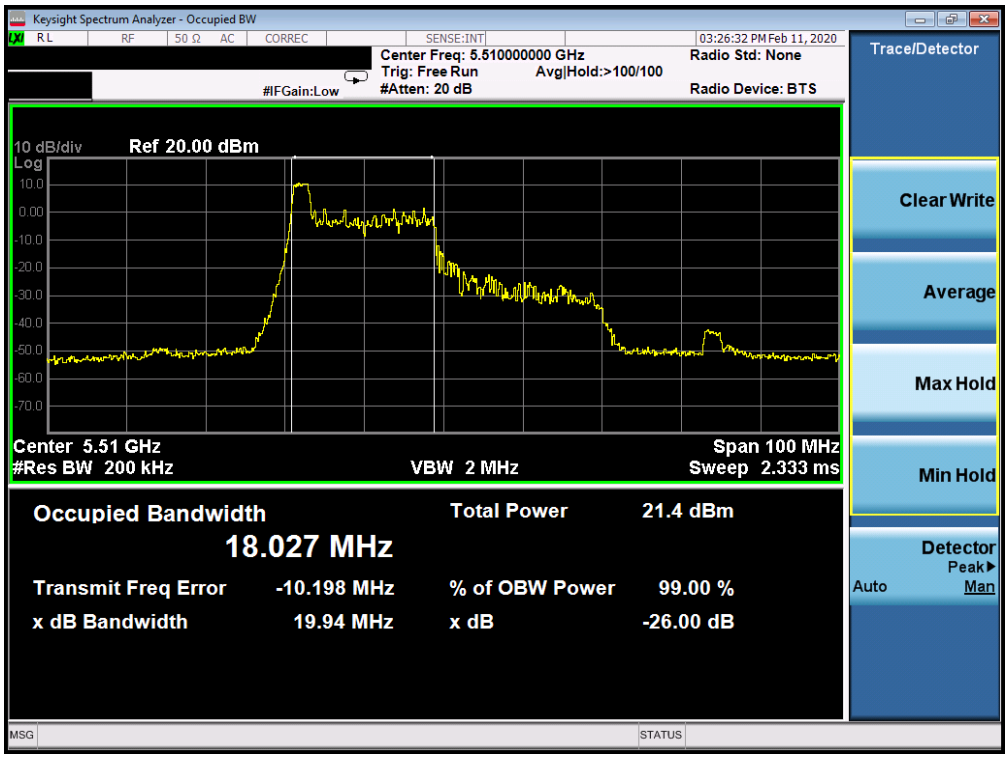
Plot 7-138. 26dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax– RU242 (UNII Band 2C) – Ch. 100)



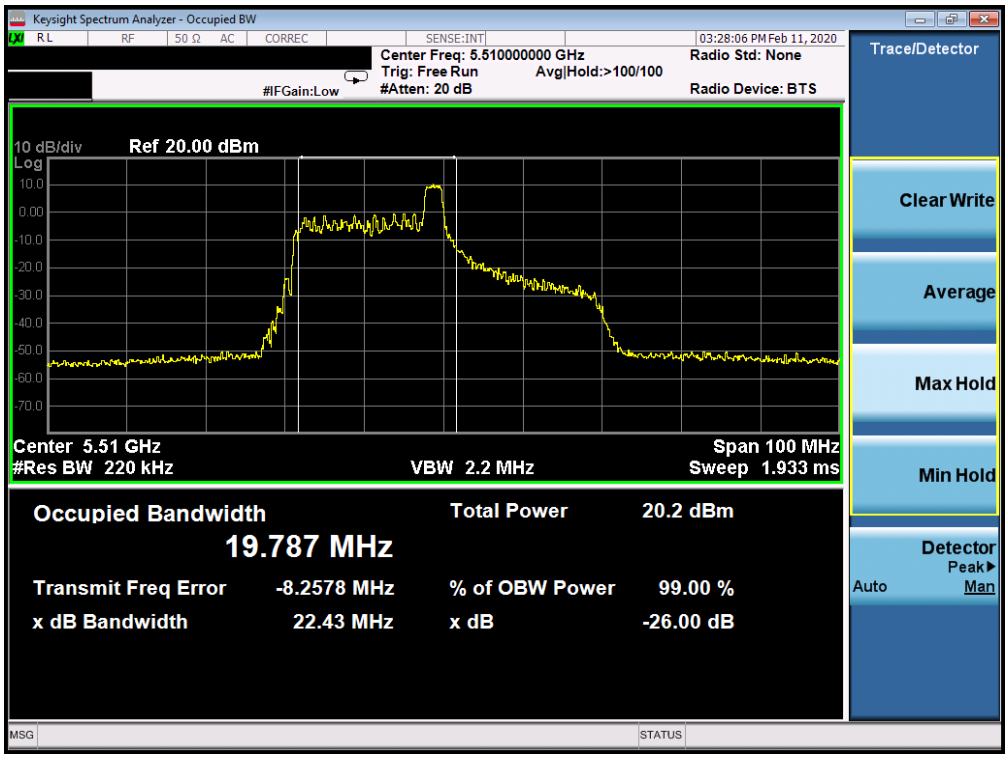
Plot 7-139. 26dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax– RU242 (UNII Band 2C) – Ch. 120)



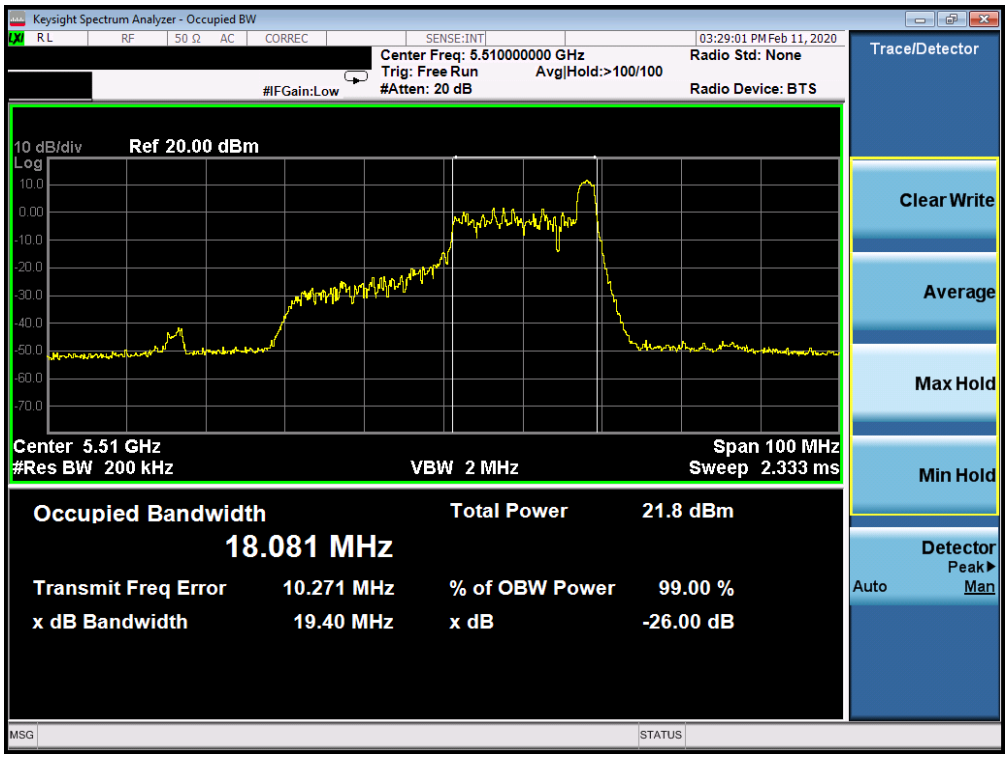
Plot 7-140. 26dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax– RU242 (UNII Band 2C) – Ch. 144)



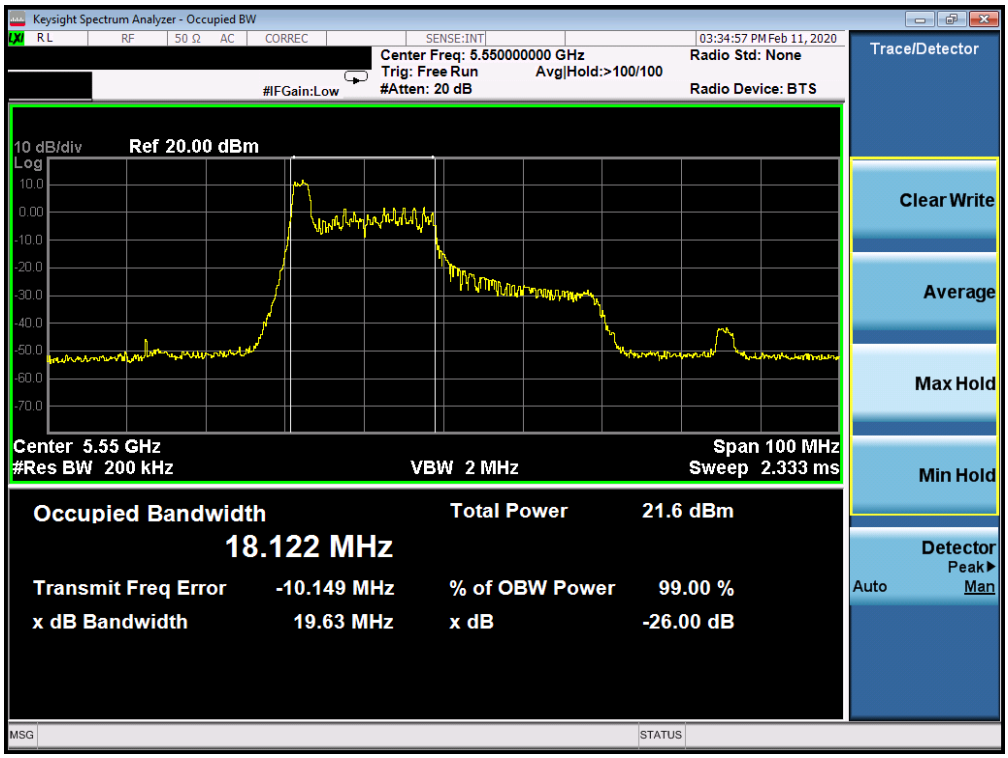
Plot 7-141. 26dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 0 – RU26 (UNII Band 2C) – Ch. 102)



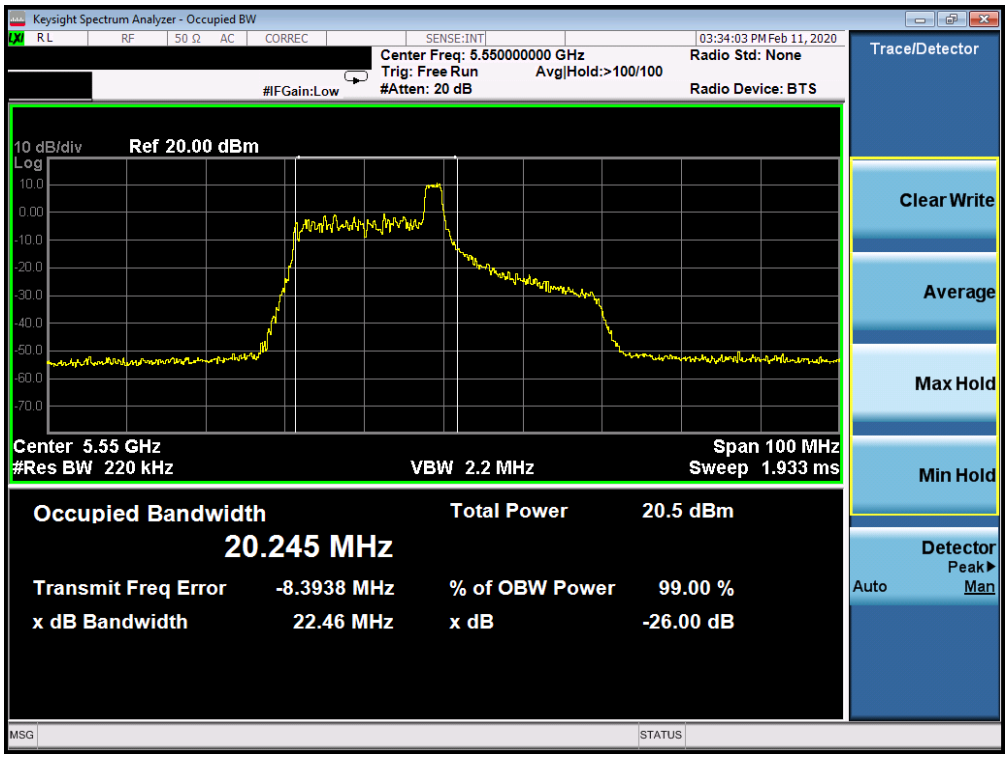
Plot 7-142. 26dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 8 – RU26 (UNII Band 2C) – Ch. 102)



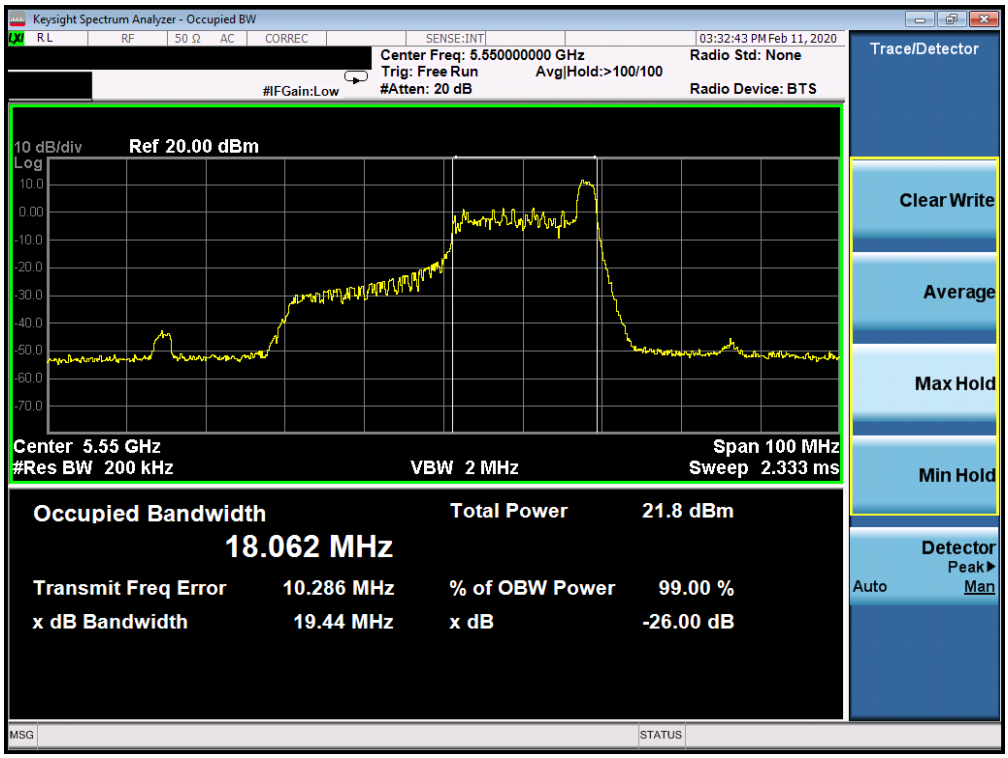
Plot 7-143. 26dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 17 – RU26 (UNII Band 2C) – Ch. 102)



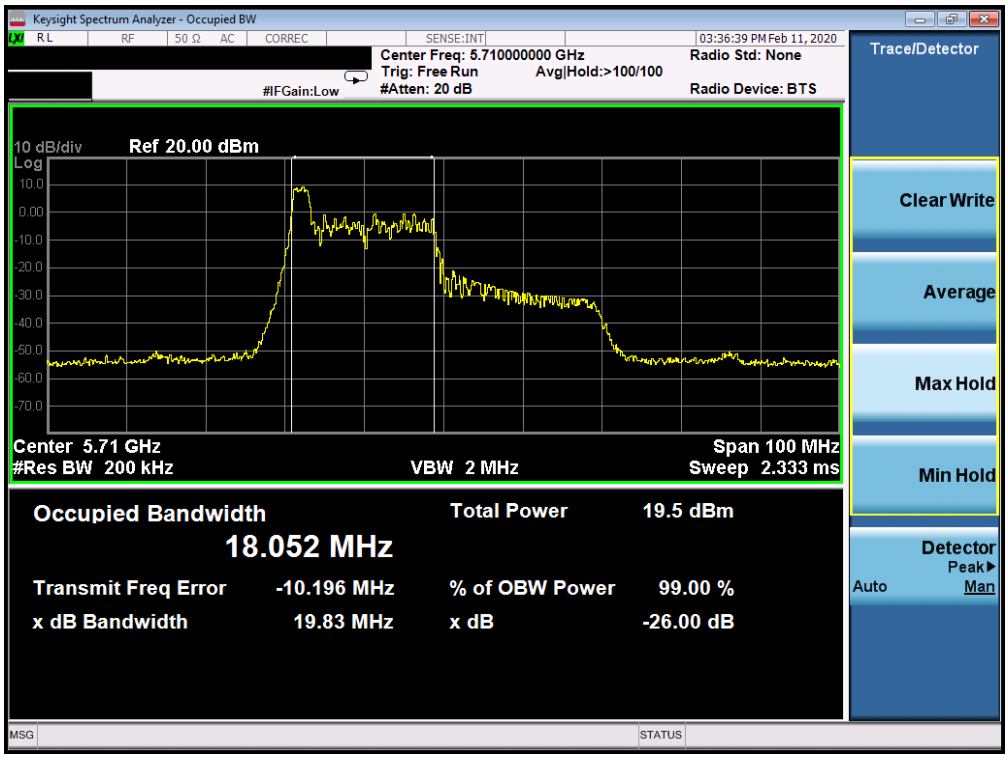
Plot 7-144. 26dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 0 – RU26 (UNII Band 2C) – Ch. 110)



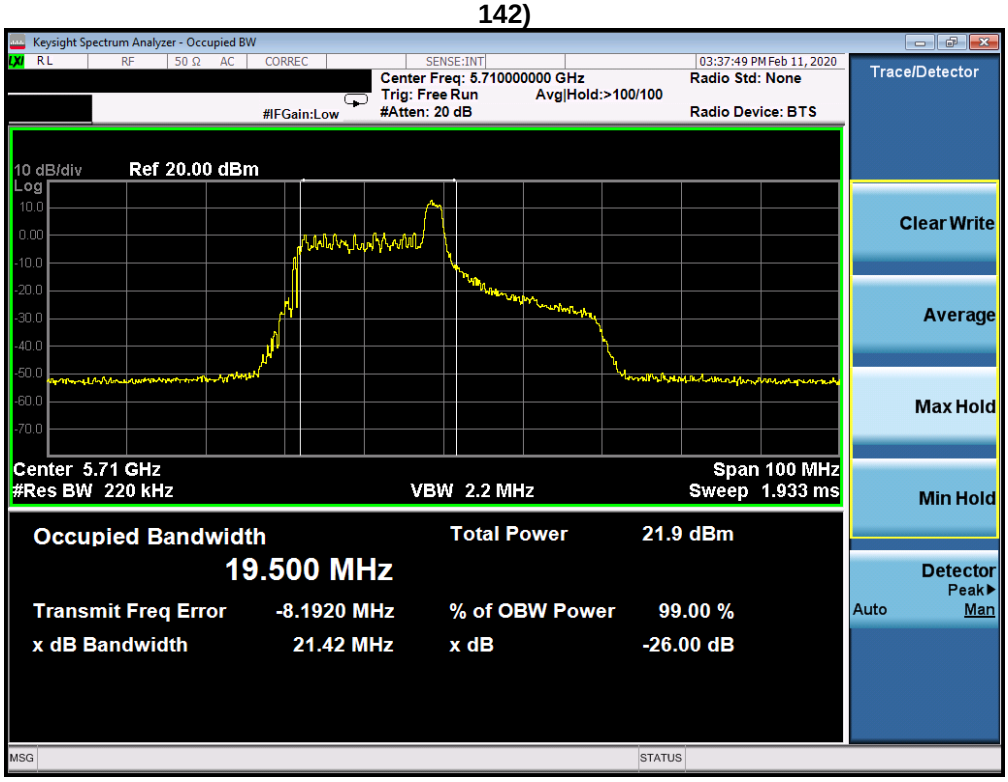
Plot 7-145. 26dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 8 – RU26 (UNII Band 2C) – Ch. 110)



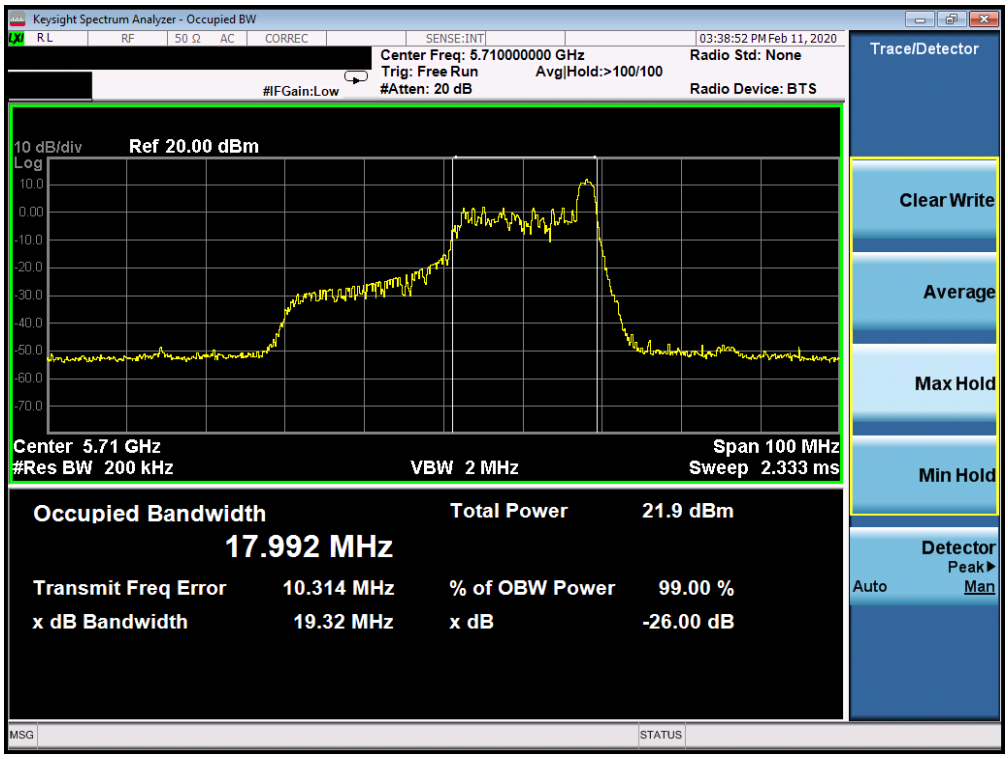
Plot 7-146. 26dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 17 – RU26 (UNII Band 2C) – Ch. 110)



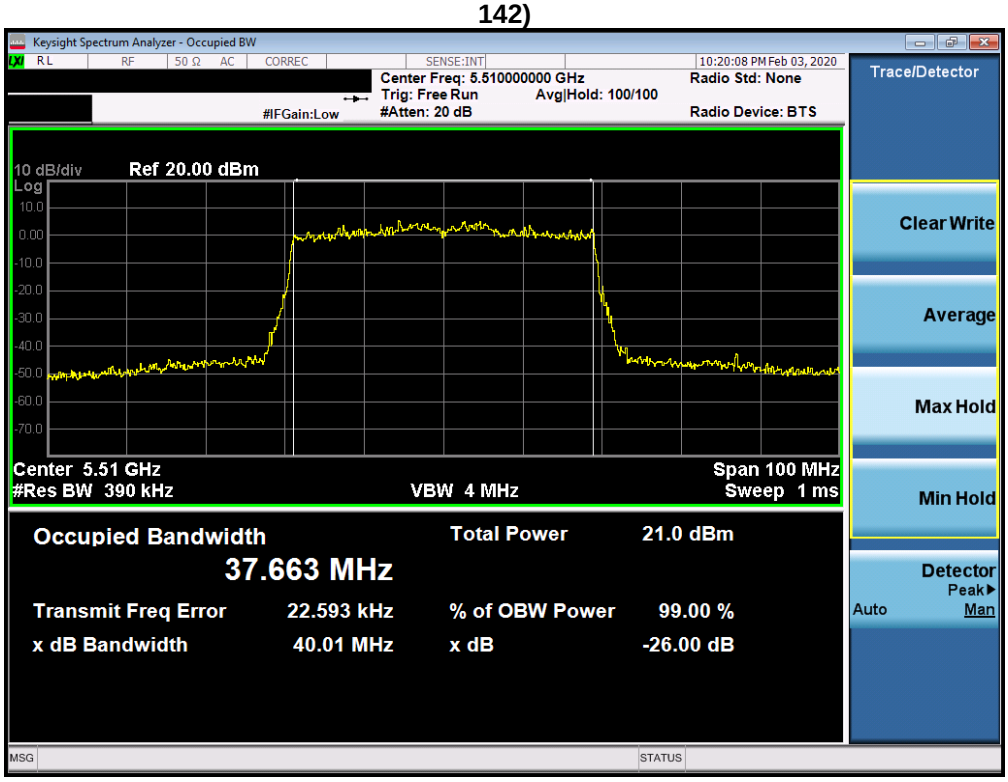
Plot 7-147. 26dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 0 – RU26 (UNII Band 2C) – Ch. 142)



Plot 7-148. 26dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 8 – RU26 (UNII Band 2C) – Ch. 142)

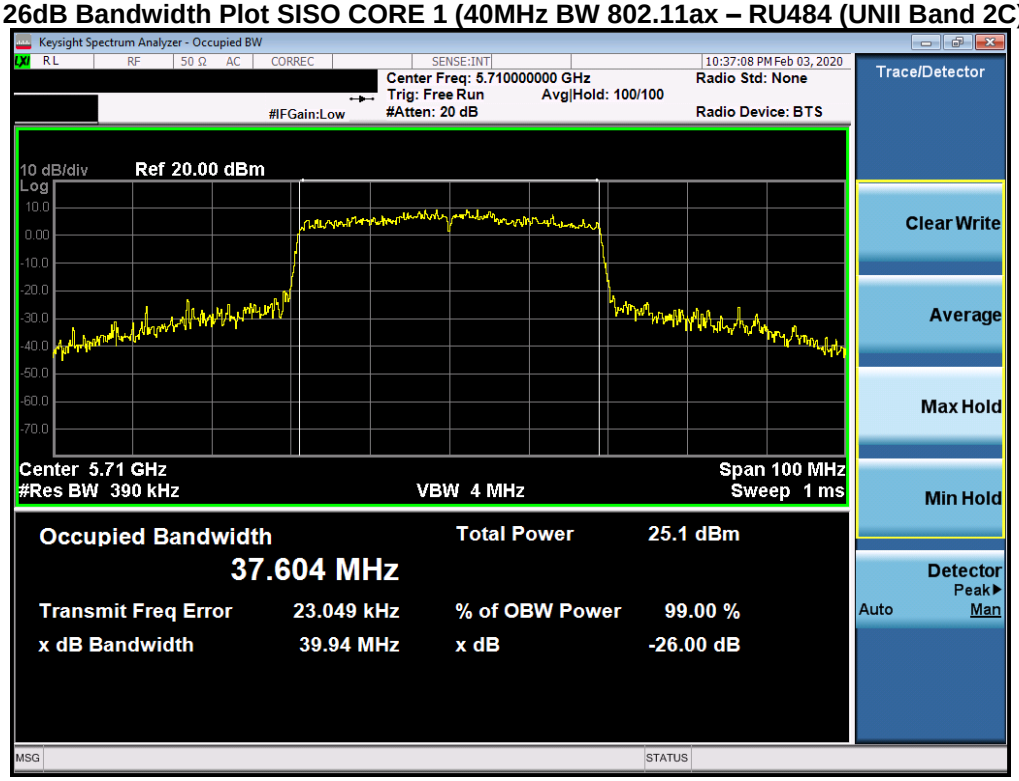


Plot 7-149. 26dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 17 – RU26 (UNII Band 2C) – Ch. 142)

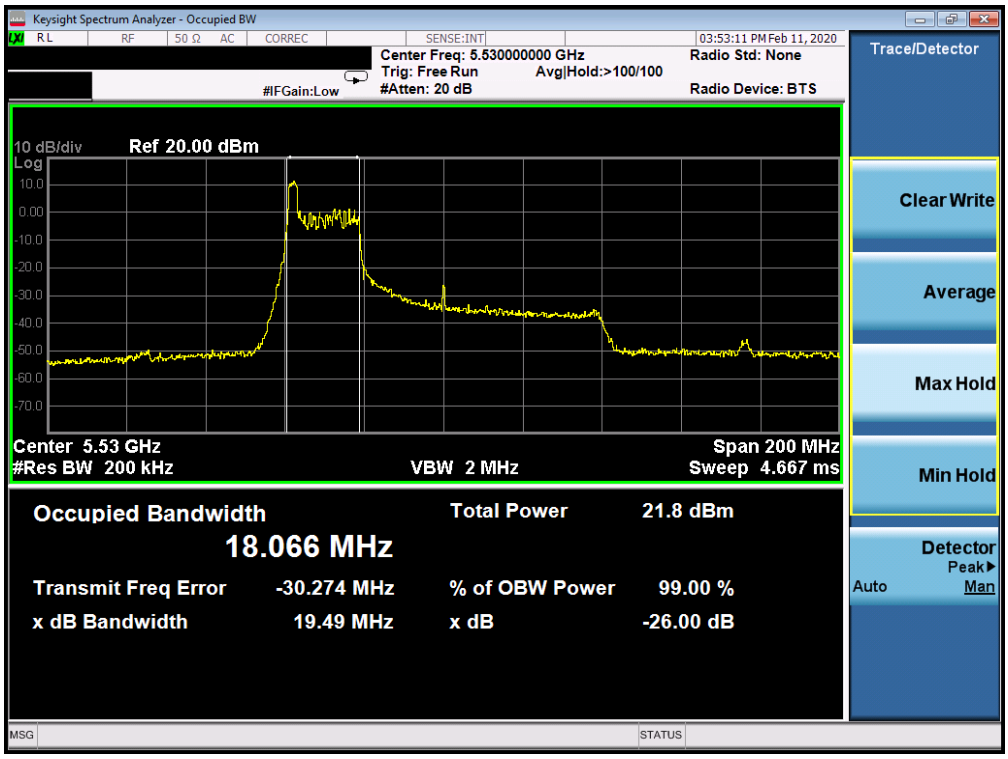


Plot 7-150. 26dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax – RU484 (UNII Band 2C) – Ch. 102)

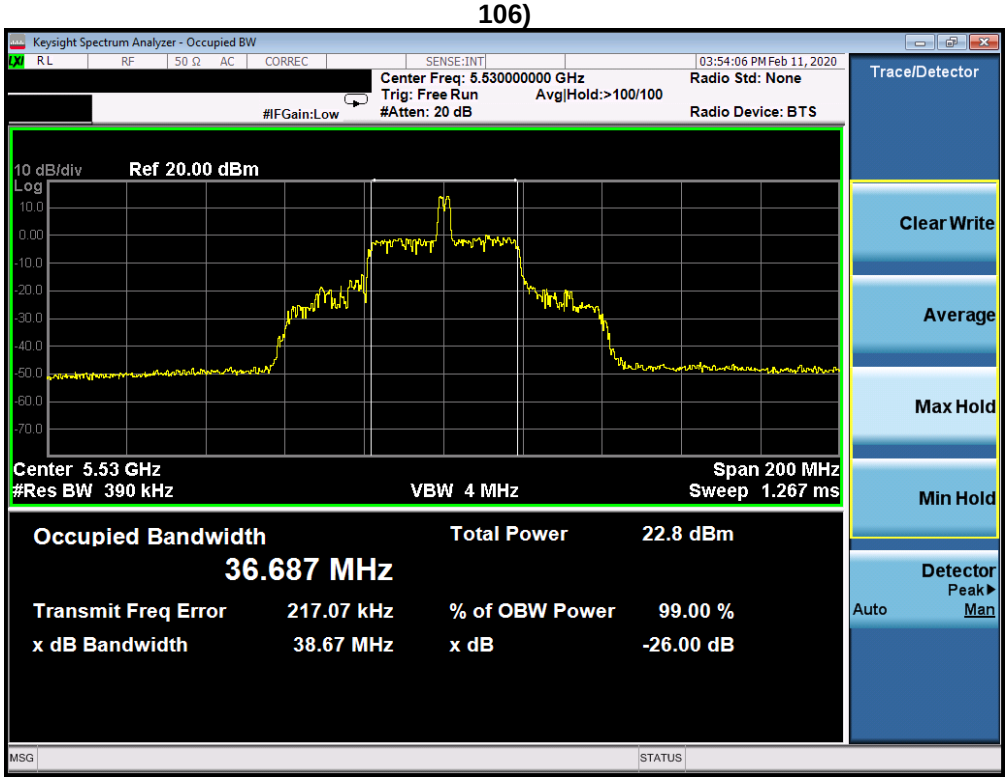
Plot 7-151. 26dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax – RU484 (UNII Band 2C) – Ch. 110)



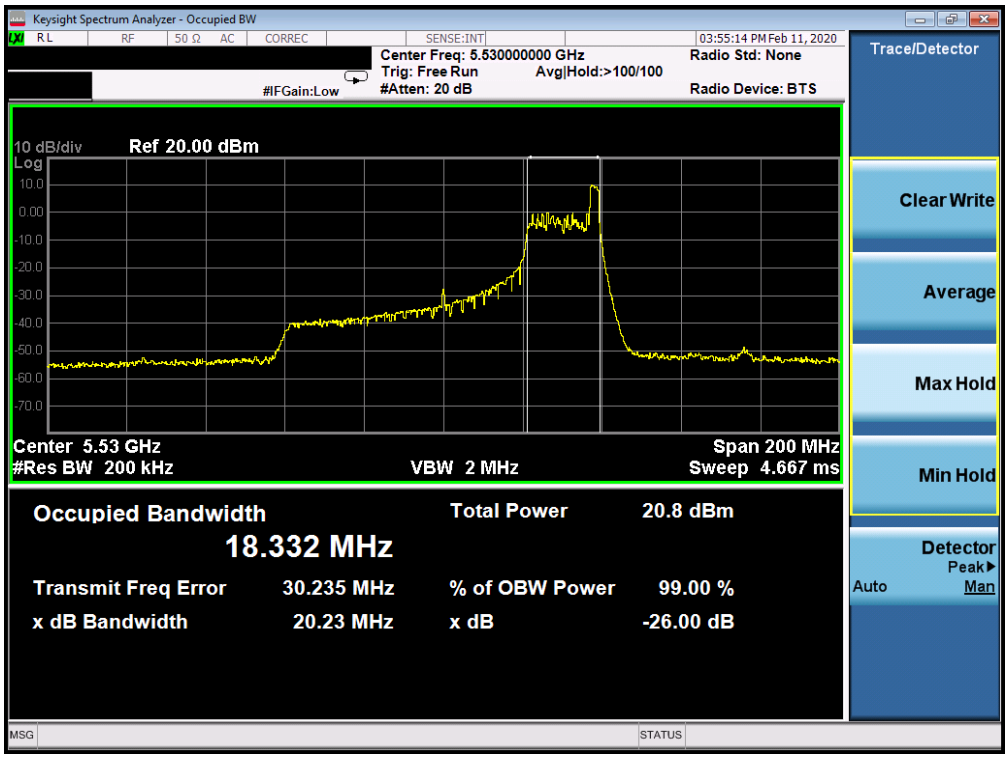
Plot 7-152. 26dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax – RU484 (UNII Band 2C) – Ch. 142)



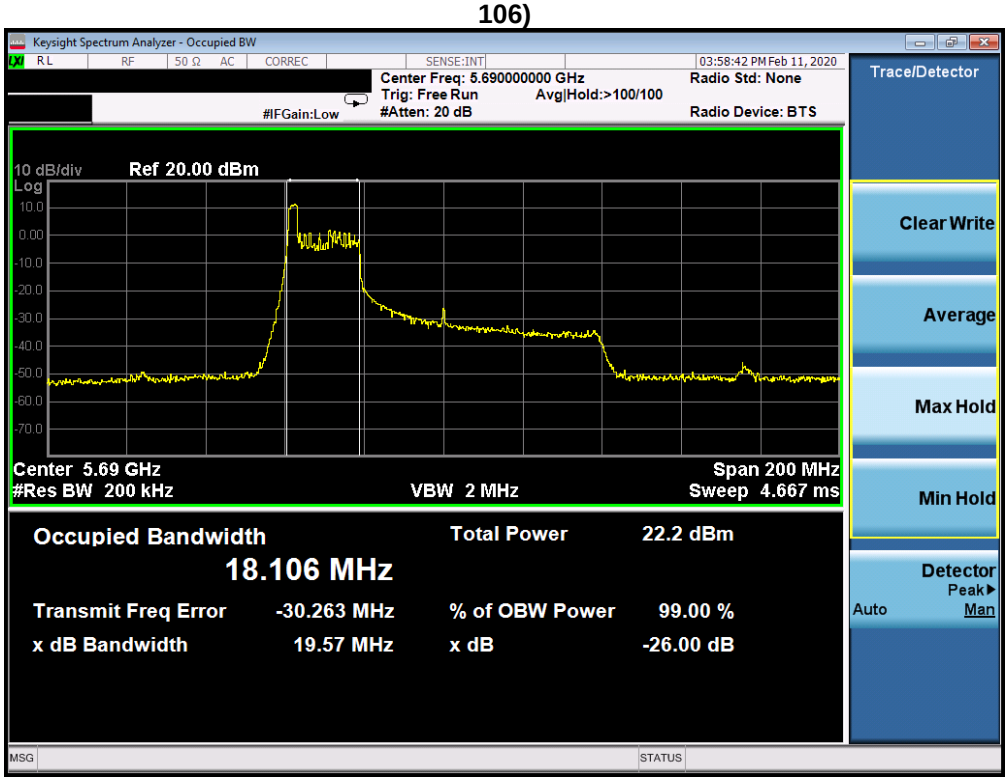
Plot 7-153. 26dB Bandwidth Plot SISO CORE 1 (80MHz BW 802.11ax Index 0 – RU26 (UNII Band 2C) – Ch. 106)



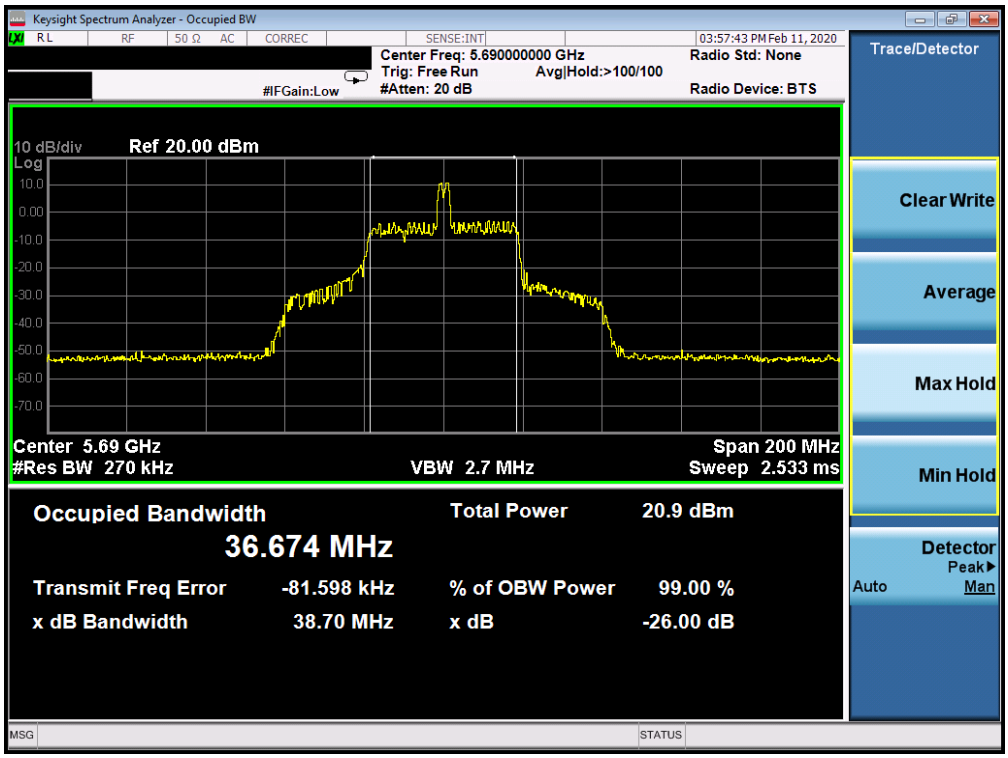
Plot 7-154. 26dB Bandwidth Plot SISO CORE 1 (80MHz BW 802.11ax Index 18 – RU26 (UNII Band 2C) – Ch. 106)



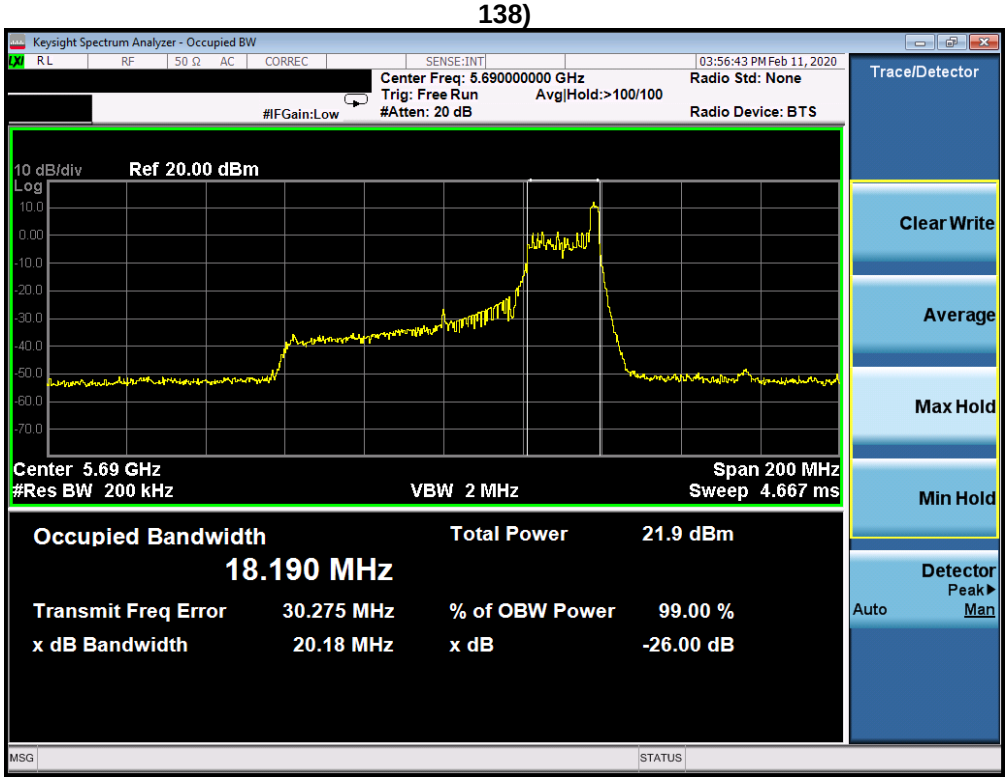
Plot 7-155. 26dB Bandwidth Plot SISO CORE 1 (80MHz BW 802.11ax Index 36 – RU26 (UNII Band 2C) – Ch. 106)



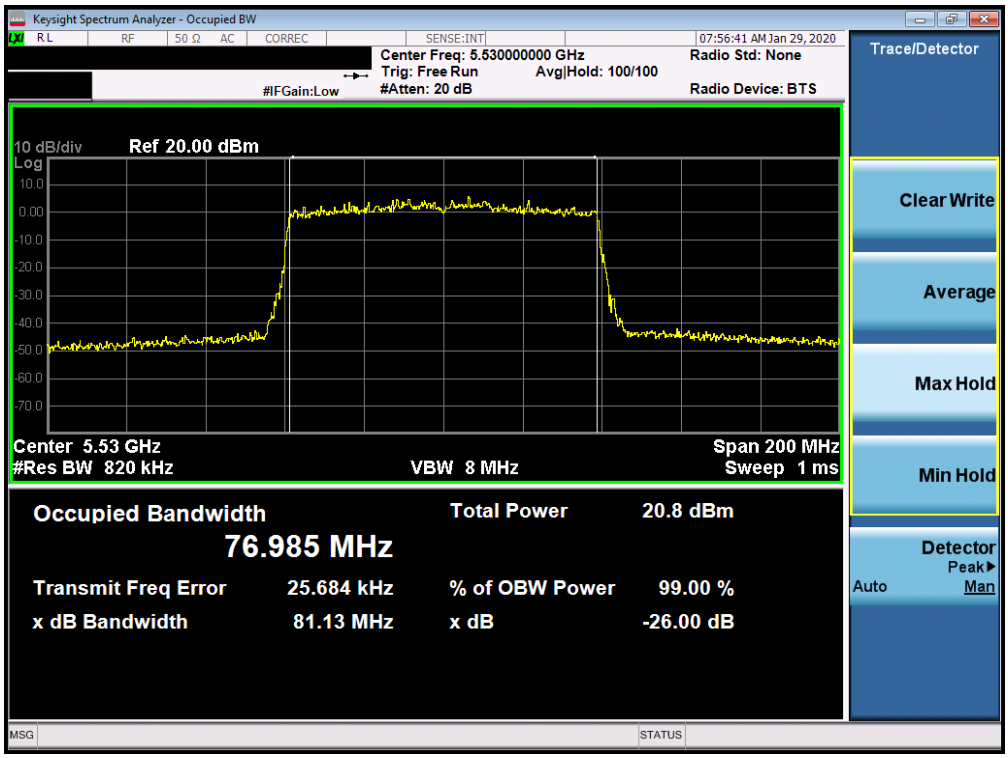
Plot 7-156. 26dB Bandwidth Plot SISO CORE 1 (80MHz BW 802.11ax Index 0 – RU26 (UNII Band 2C) – Ch. 138)



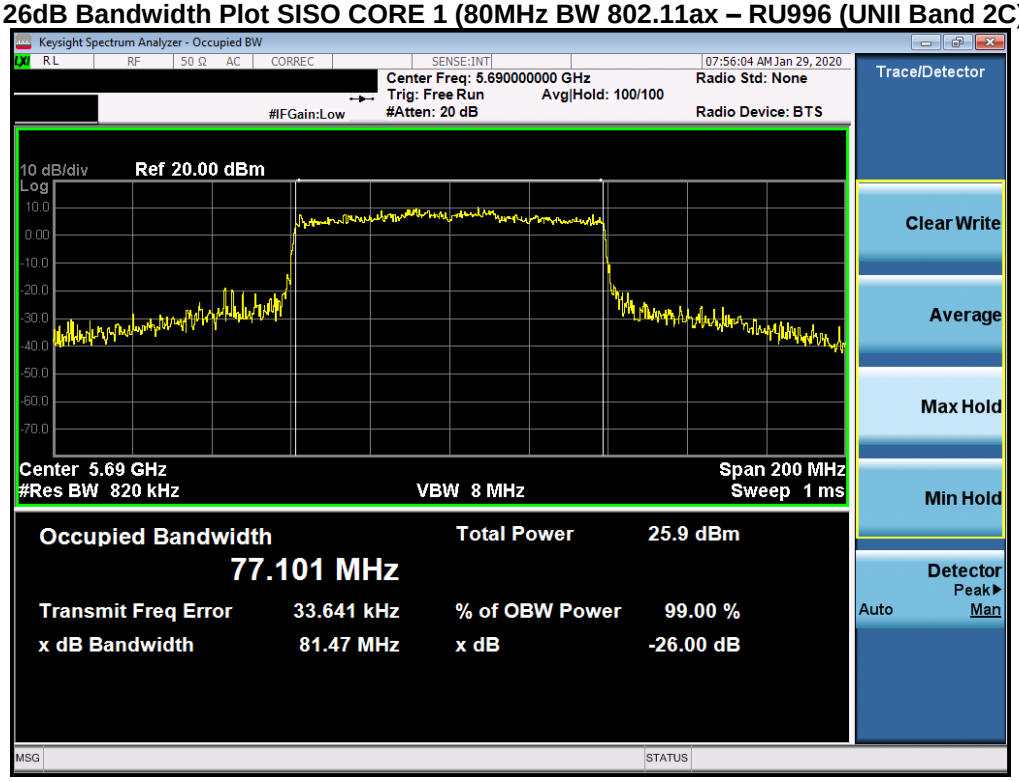
Plot 7-157. 26dB Bandwidth Plot SISO CORE 1 (80MHz BW 802.11ax Index 18 – RU26 (UNII Band 2C) – Ch. 138)



Plot 7-158. 26dB Bandwidth Plot SISO CORE 1 (80MHz BW 802.11ax Index 36 – RU26 (UNII Band 2C) – Ch. 138)



Plot 7-159. 26dB Bandwidth Plot SISO CORE 1 (80MHz BW 802.11ax – RU996 (UNII Band 2C) – Ch. 106)



Plot 7-160. 26dB Bandwidth Plot SISO CORE 1 (80MHz BW 802.11ax – RU996 (UNII Band 2C) – Ch. 138)

7.3 6dB Bandwidth Measurement – 802.11ax OFDMA

§15.407 (e); RSS-Gen [6.7]

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 ≥ 3 x 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

1. All antenna configurations were investigated and only the worst case is reported
2. All RU's were investigated and only worst case partially-loaded and fully-loaded RU's were reported.

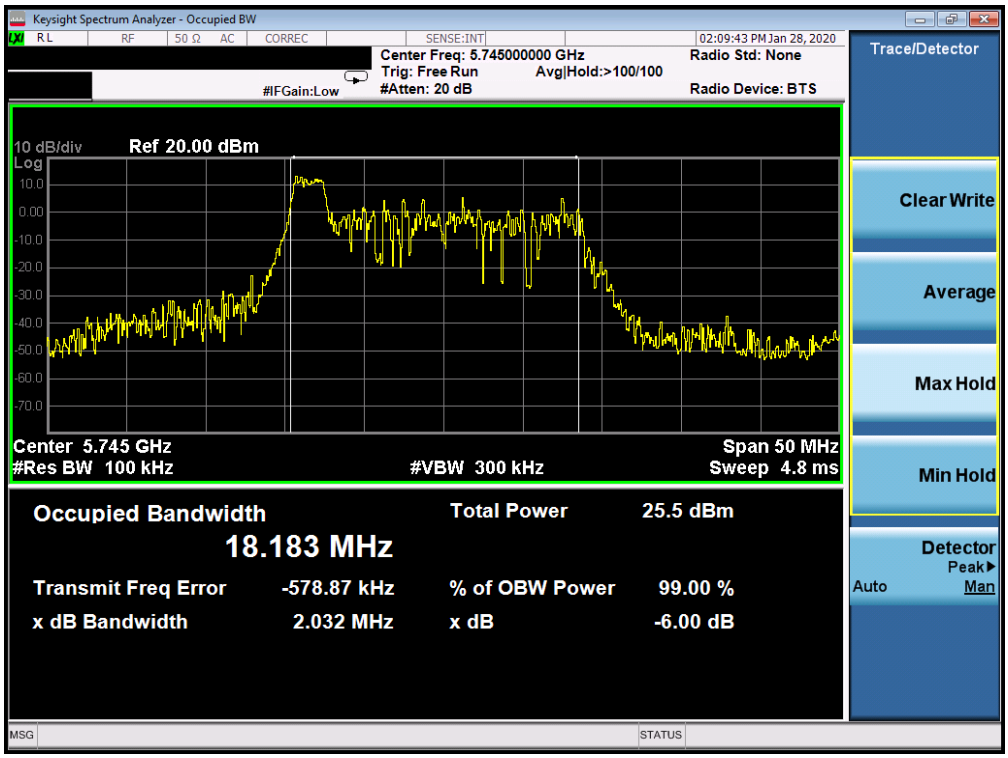
SISO Core 0 6 dB Bandwidth Measurements

	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	Index	Data Rate [Mbps]	Measured 6dB Bandwidth [MHz]
Band 3	5745	149	ax (20MHz)	RU26	0	MCS0	2.03
				RU26	4	MCS0	2.69
				RU26	8	MCS0	2.10
	5785	157	ax (20MHz)	RU26	0	MCS0	2.13
				RU26	4	MCS0	2.63
				RU26	8	MCS0	2.09
	5825	165	ax (20MHz)	RU26	0	MCS0	2.10
				RU26	4	MCS0	2.59
				RU26	8	MCS0	2.05
	5755	151	ax (40MHz)	RU26	0	MCS0	2.15
				RU26	8	MCS0	2.14
				RU26	17	MCS0	2.16
	5795	159	ax (40MHz)	RU26	0	MCS0	2.13
				RU26	8	MCS0	2.20
				RU26	17	MCS0	2.12
	5775	155	ax (80MHz)	RU26	0	MCS0	2.10
				RU26	18	MCS0	2.77
				RU26	36	MCS0	2.24

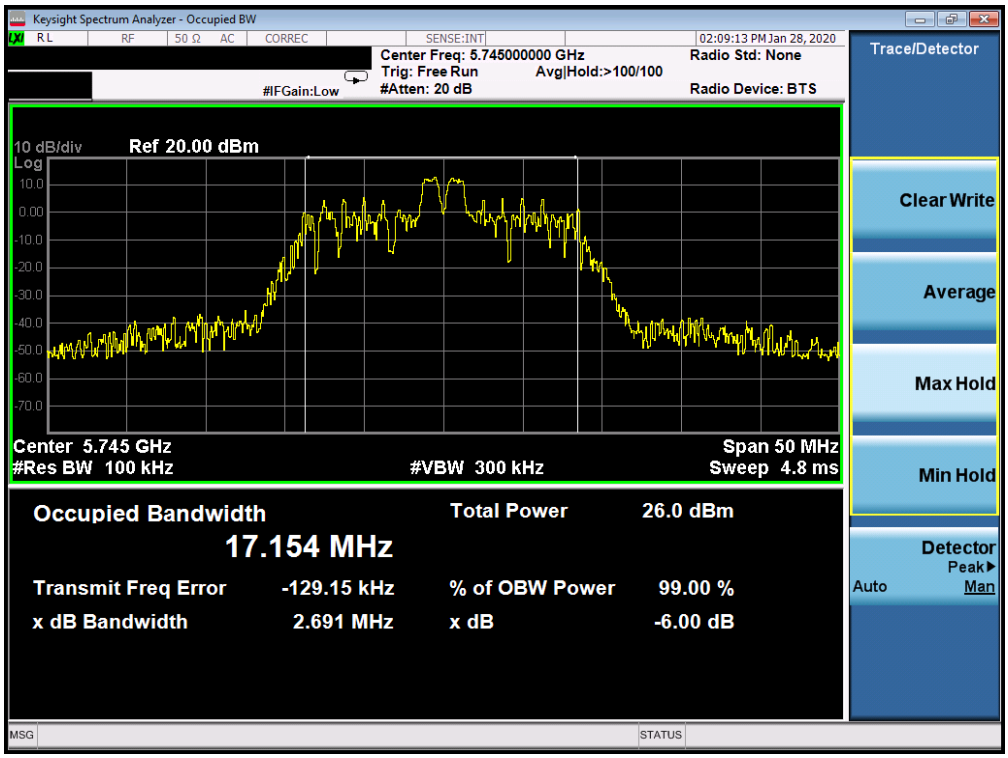
Table 7-6. Conducted Bandwidth Measurements SISO CORE 0 (RU26)

	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	Index	Data Rate [Mbps]	Measured 6dB Bandwidth [MHz]
Band 3	5745	149	ax (20MHz)	RU242	61	MCS0	18.97
	5785	157	ax (20MHz)	RU242	61	MCS0	18.84
	5825	165	ax (20MHz)	RU242	61	MCS0	18.72
	5755	151	ax (40MHz)	RU484	65	MCS0	36.69
	5795	159	ax (40MHz)	RU484	65	MCS0	37.45
	5775	155	ax (80MHz)	RU996	67	MCS0	76.98

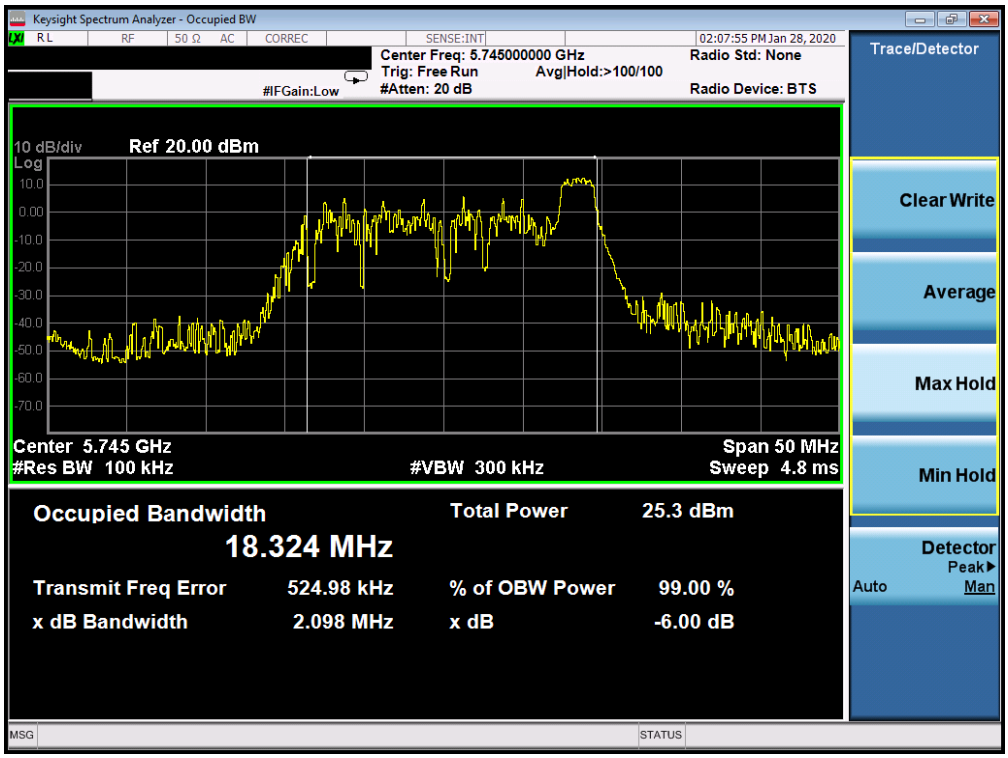
Table 7-7. Conducted Bandwidth Measurements SISO CORE 0 (Full RU)



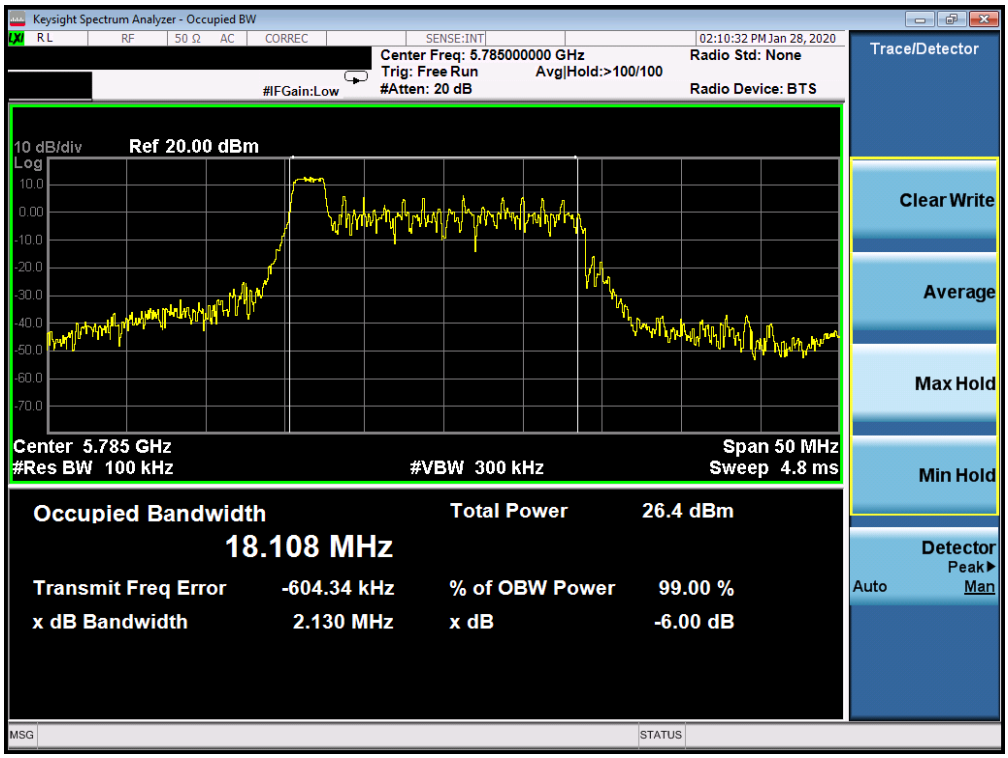
Plot 7-161. 6dB Bandwidth Plot SISO CORE 0 (20MHz BW 802.11ax Index 0 – RU26 (UNII Band 3) – Ch. 149)



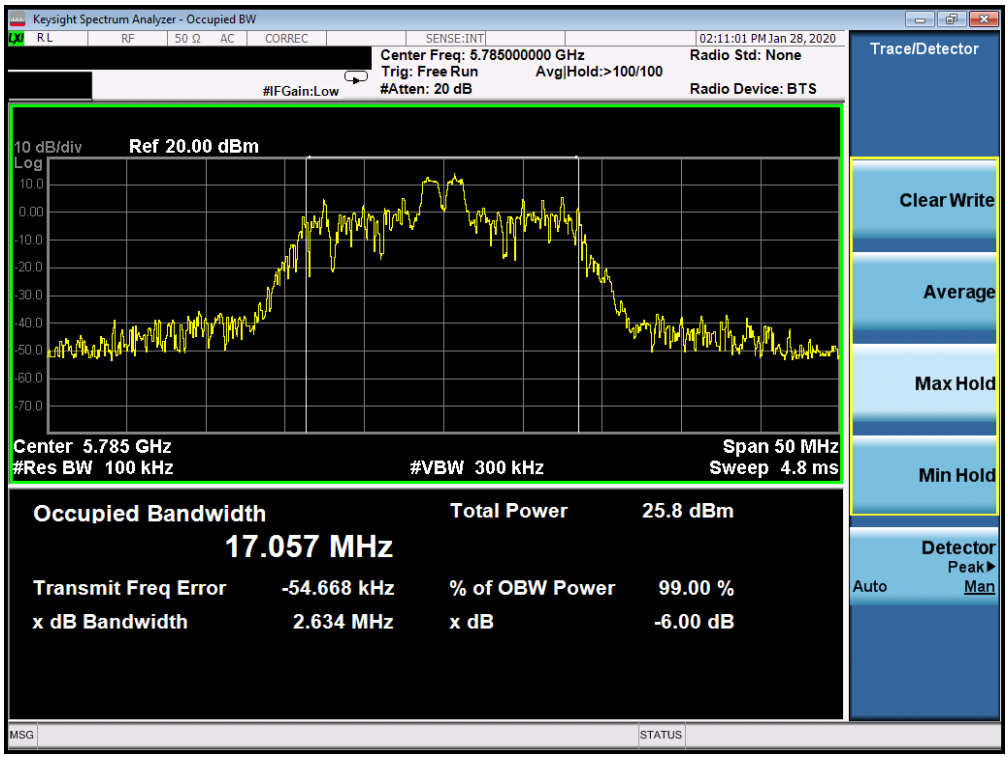
Plot 7-162. 6dB Bandwidth Plot SISO CORE 0 (20MHz BW 802.11ax Index 4 – RU26 (UNII Band 3) – Ch. 149)



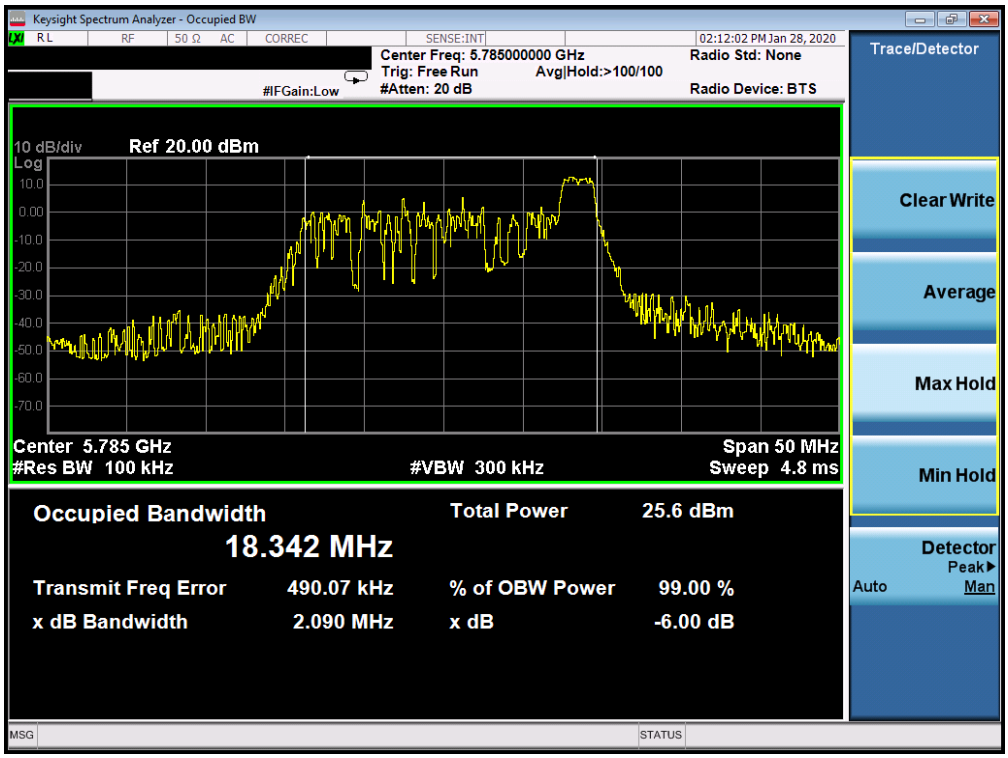
Plot 7-163. 6dB Bandwidth Plot SISO CORE 0 (20MHz BW 802.11ax Index 8 – RU26 (UNII Band 3) – Ch. 149)



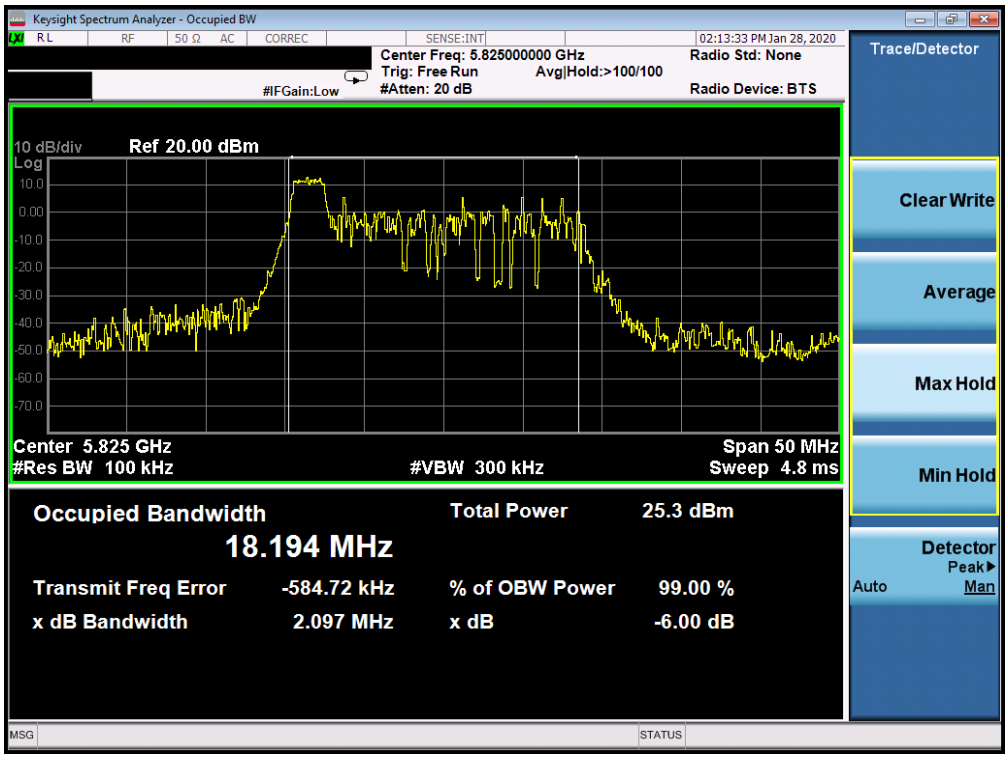
Plot 7-164. 6dB Bandwidth Plot SISO CORE 0 (20MHz BW 802.11ax Index 0 – RU26 (UNII Band 3) – Ch. 157)



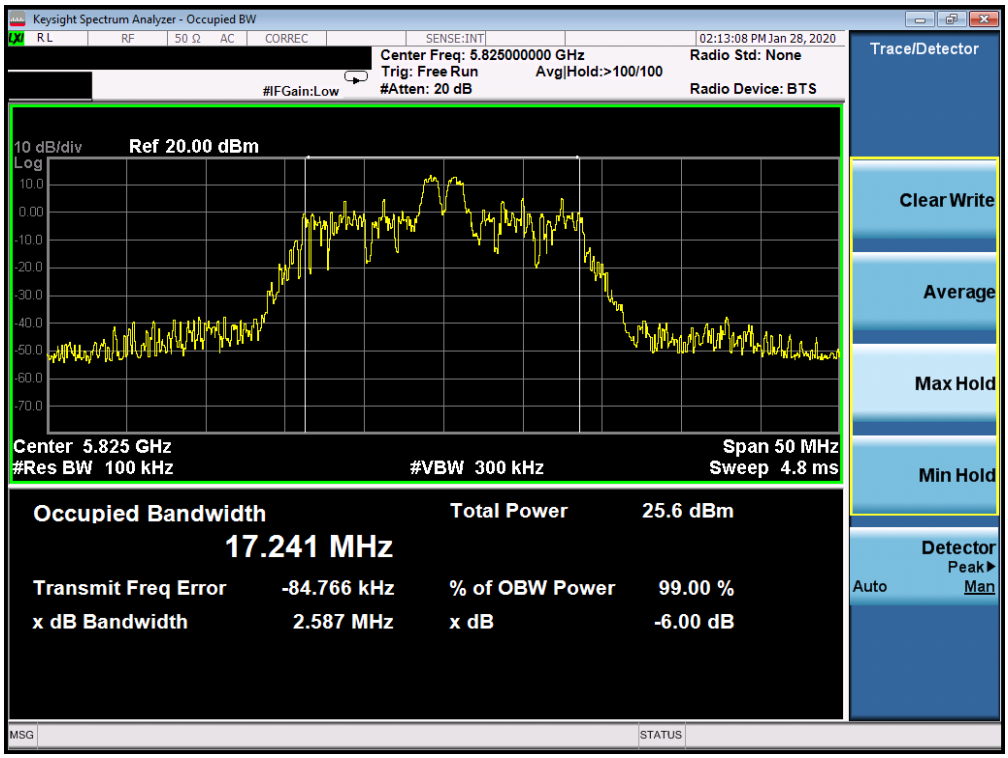
Plot 7-165. 6dB Bandwidth Plot SISO CORE 0 (20MHz BW 802.11ax Index 4 – RU26 (UNII Band 3) – Ch. 157)



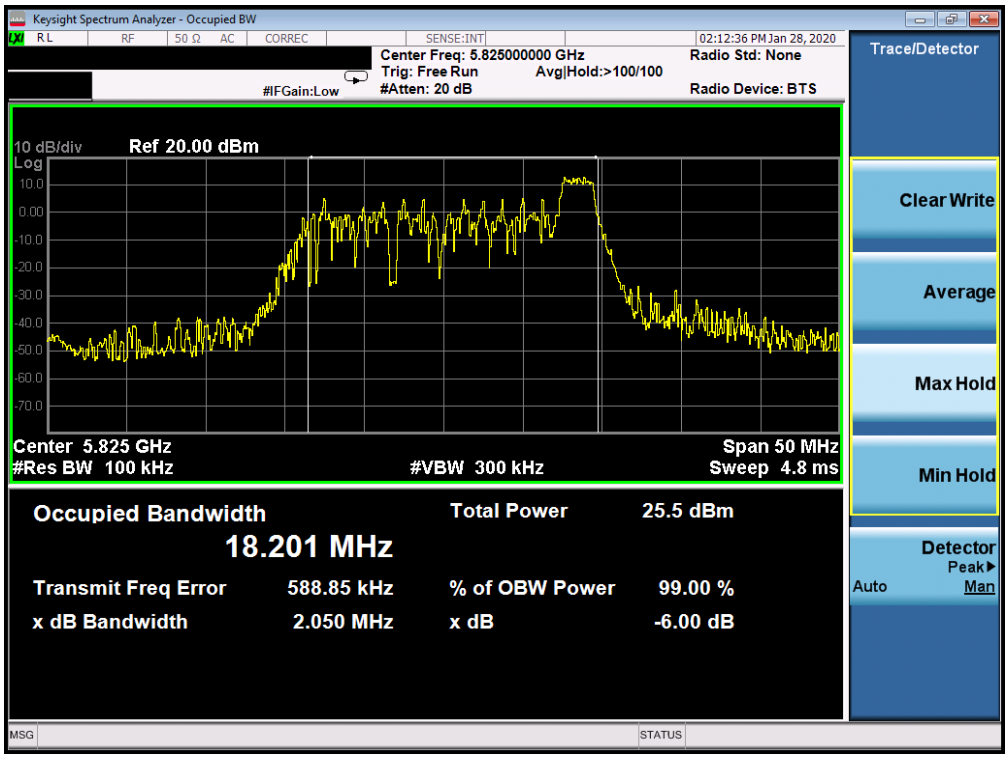
Plot 7-166. 6dB Bandwidth Plot SISO CORE 0 (20MHz BW 802.11ax Index 8– RU26 (UNII Band 3) – Ch. 157)



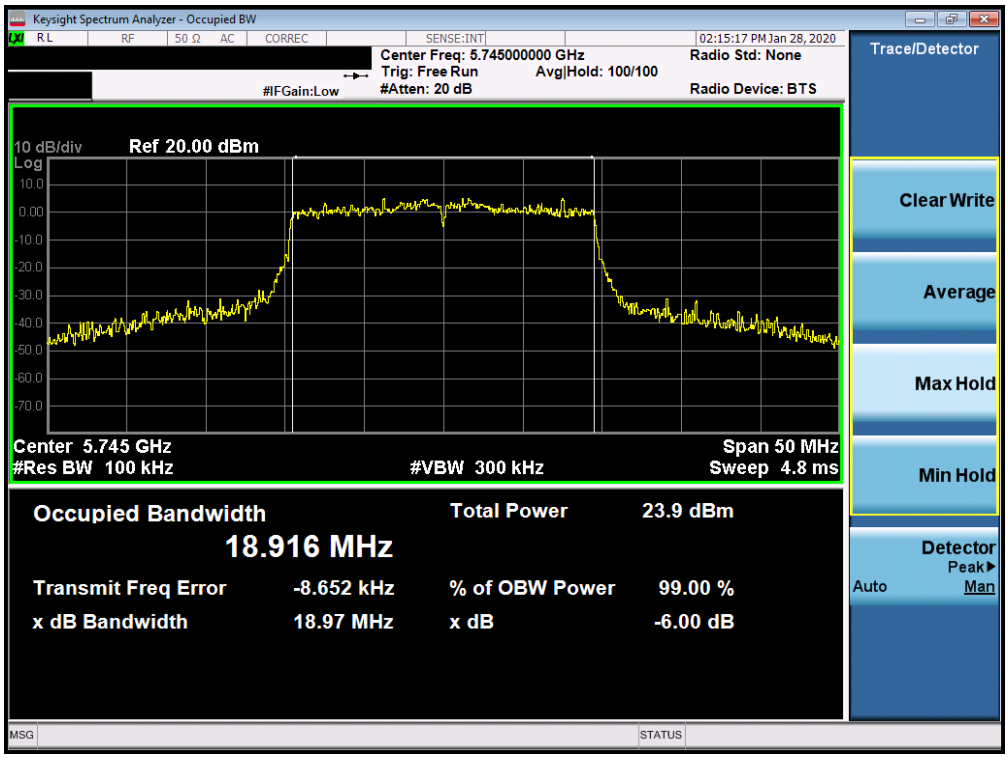
Plot 7-167. 6dB Bandwidth Plot SISO CORE 0 (20MHz BW 802.11ax Index 0 – RU26 (UNII Band 3) – Ch. 165)



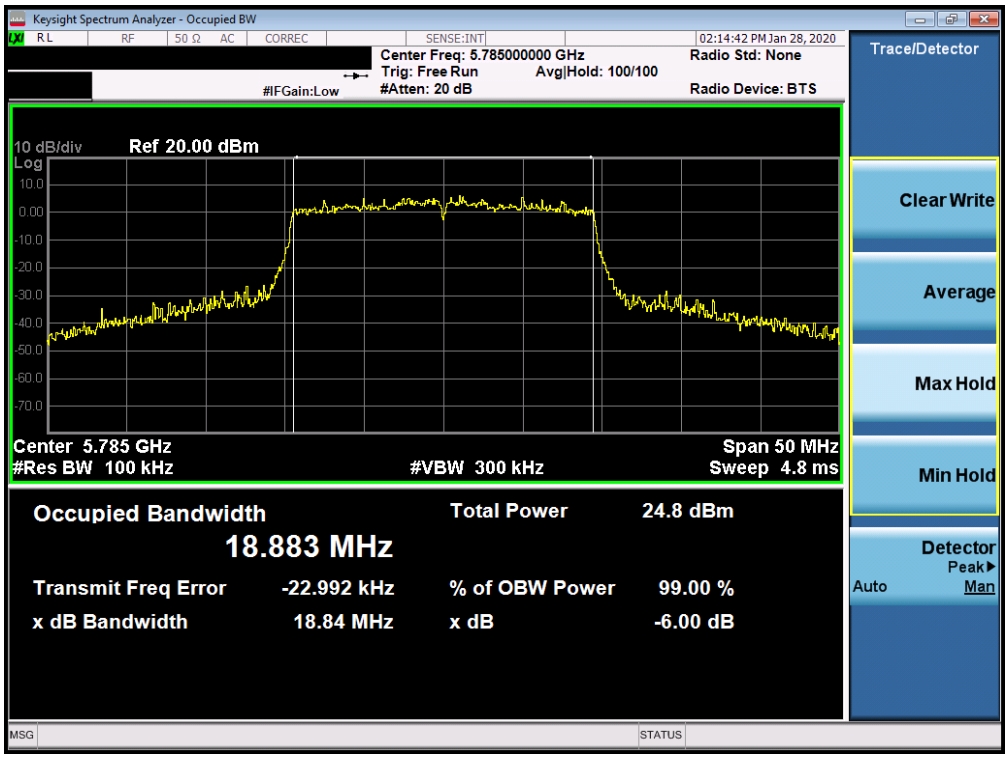
Plot 7-168. 6dB Bandwidth Plot SISO CORE 0 (20MHz BW 802.11ax Index 4 – RU26 (UNII Band 3) – Ch. 165)



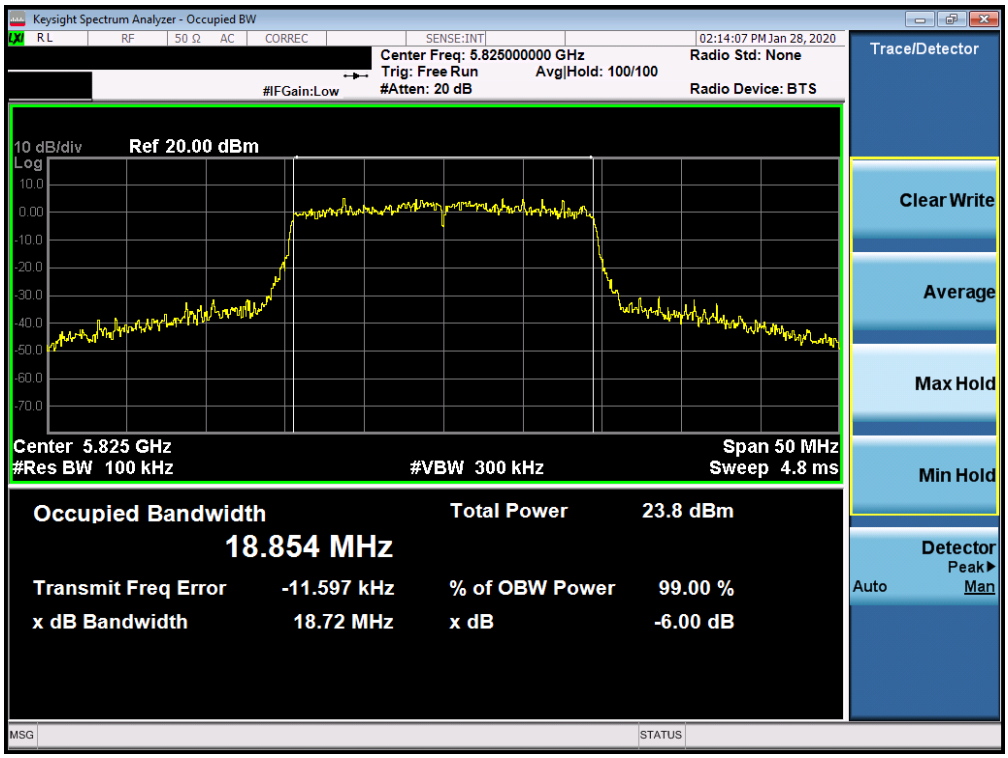
Plot 7-169. 6dB Bandwidth Plot SISO CORE 0 (20MHz BW 802.11ax Index 8 – RU26 (UNII Band 3) – Ch. 165)



Plot 7-170. 6dB Bandwidth Plot SISO CORE 0 (20MHz BW 802.11ax– RU242 (UNII Band 3) – Ch. 149)

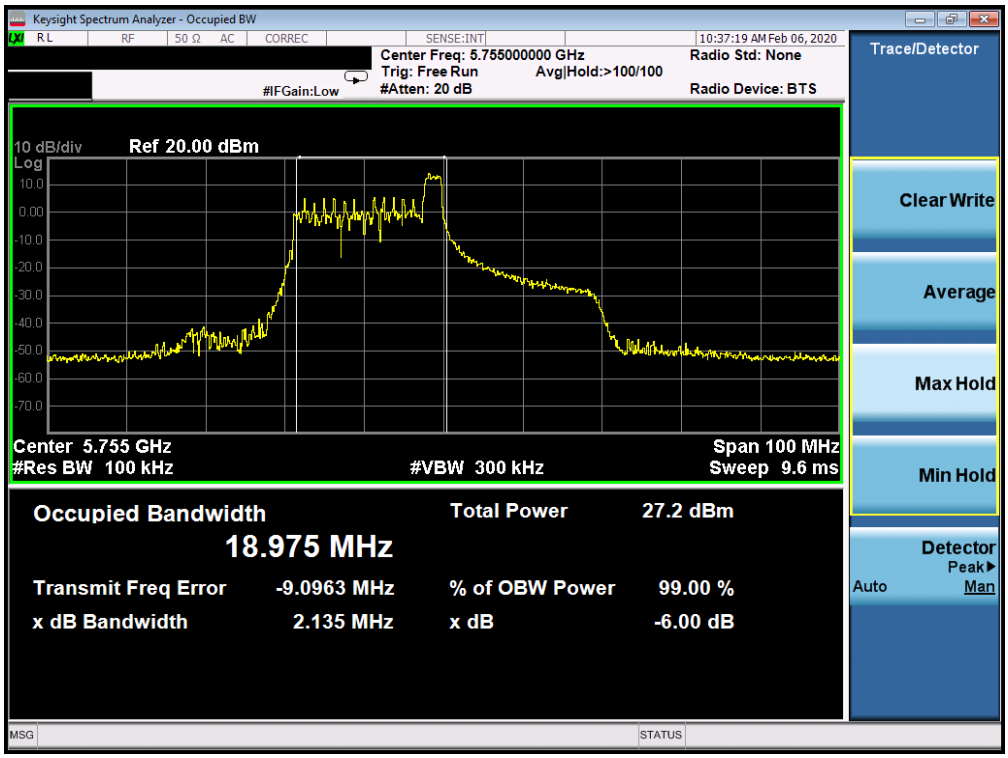


Plot 7-171. 6dB Bandwidth Plot SISO CORE 0 (20MHz BW 802.11ax– RU242 (UNII Band 3) – Ch. 157)

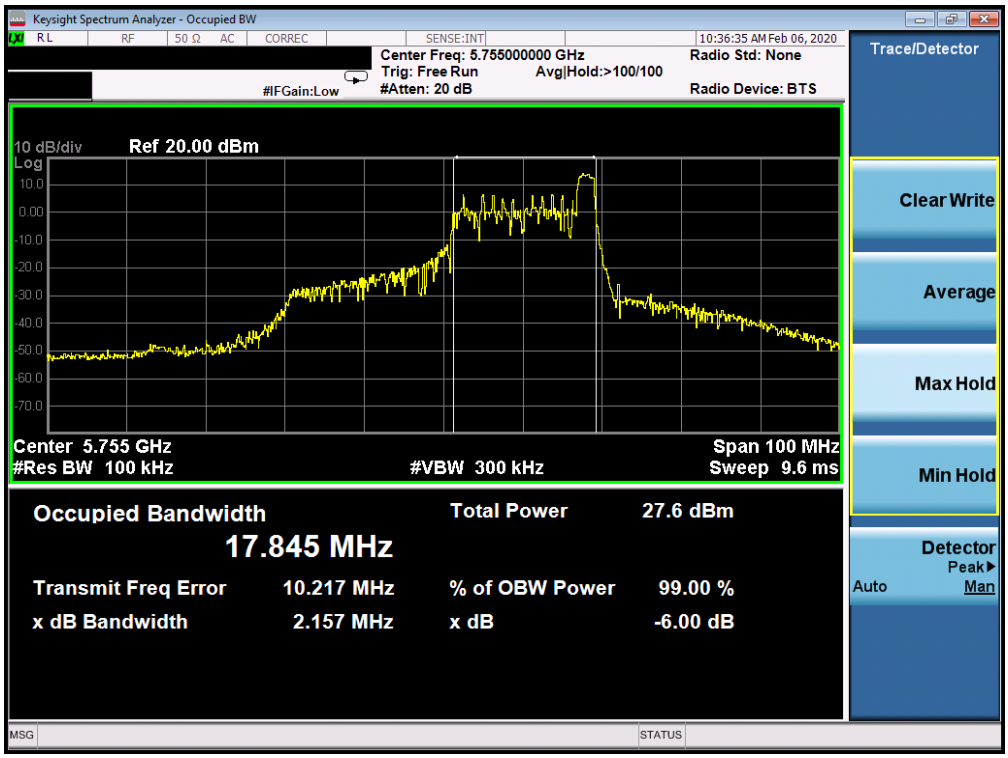


Plot 7-172. 6dB Bandwidth Plot SISO CORE 0 (20MHz BW 802.11ax– RU242 (UNII Band 3) – Ch. 165)

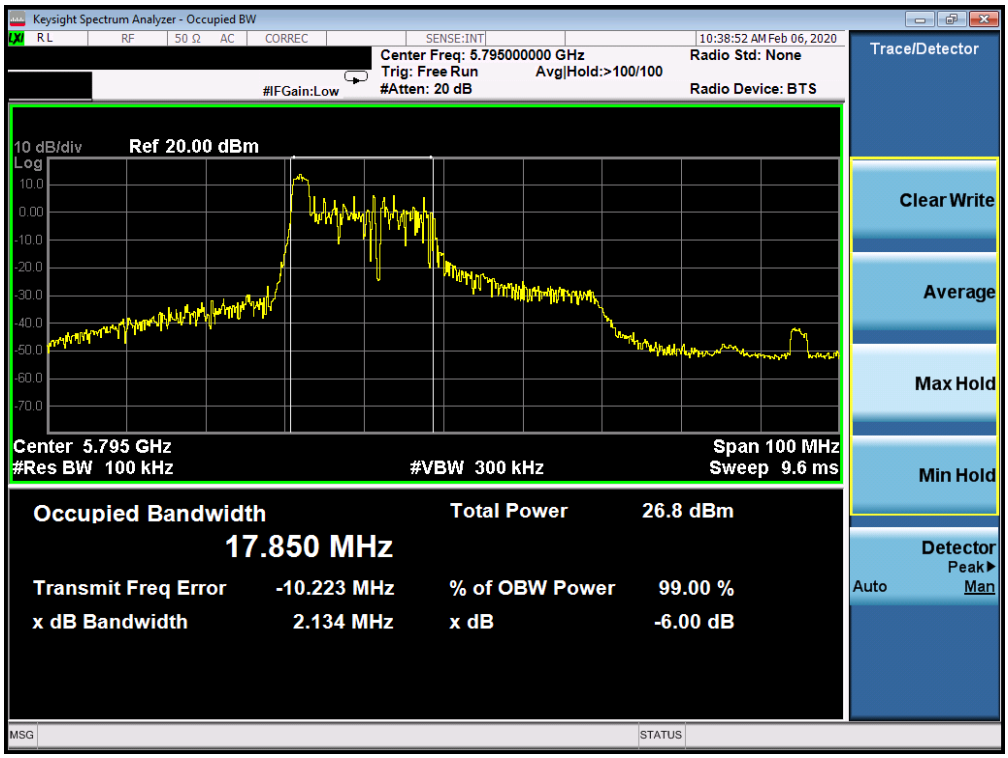
Plot 7-173. 6dB Bandwidth Plot SISO CORE 0 (40MHz BW 802.11ax Index 0 – RU26 (UNII Band 3) – Ch. 151)



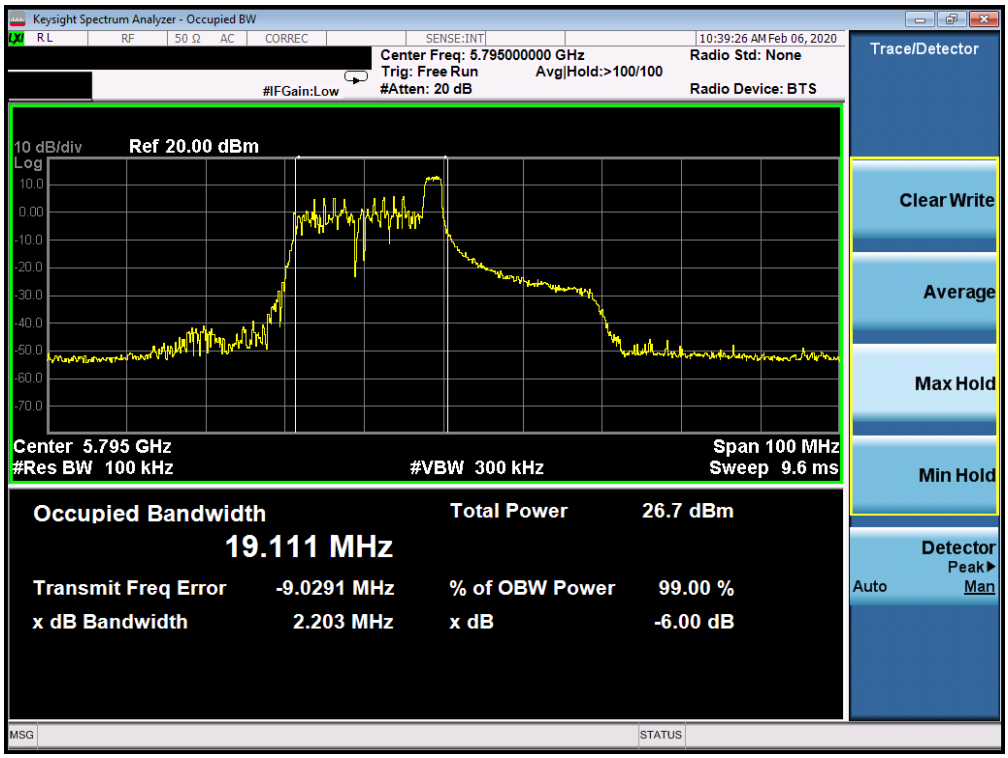
Plot 7-174. 6dB Bandwidth Plot SISO CORE 0 (40MHz BW 802.11ax Index 8 – RU26 (UNII Band 3) – Ch. 151)



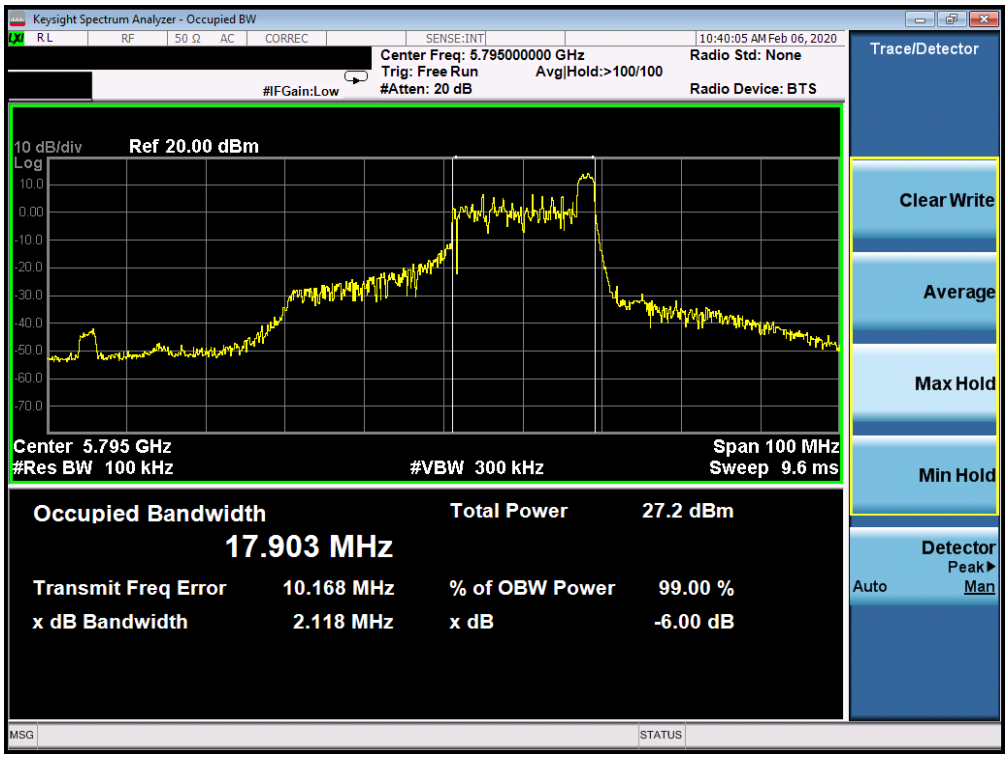
Plot 7-175. 6dB Bandwidth Plot SISO CORE 0 (40MHz BW 802.11ax Index 17 – RU26 (UNII Band 3) – Ch. 151)



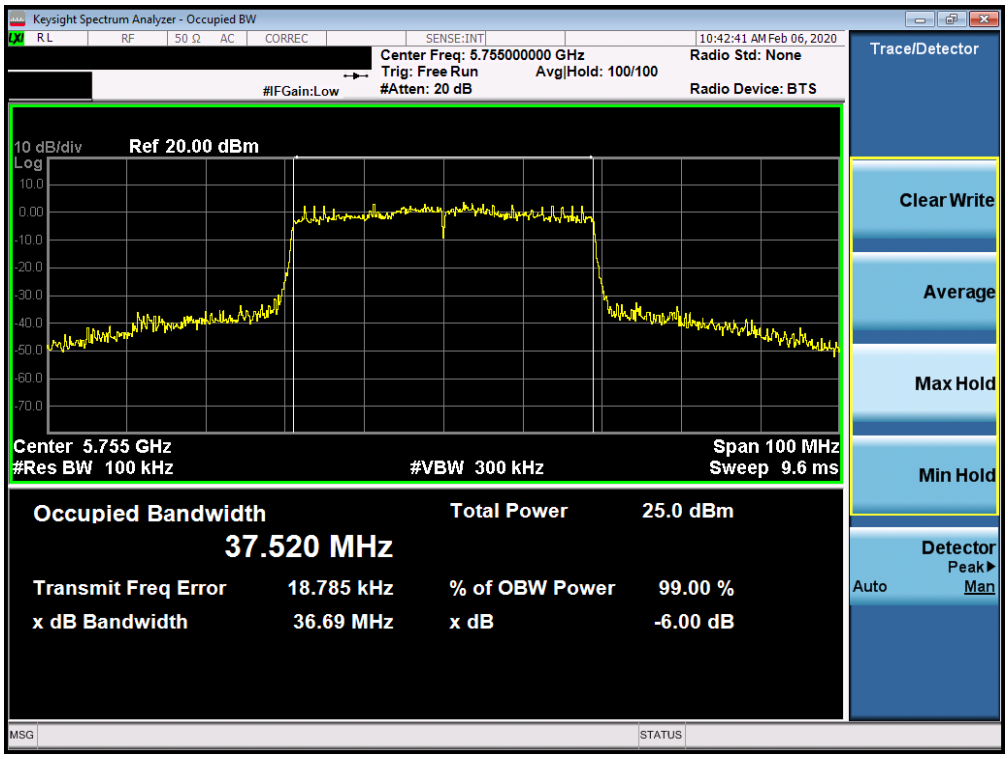
Plot 7-176. 6dB Bandwidth Plot SISO CORE 0 (40MHz BW 802.11ax Index 0 – RU26 (UNII Band 3) – Ch. 159)



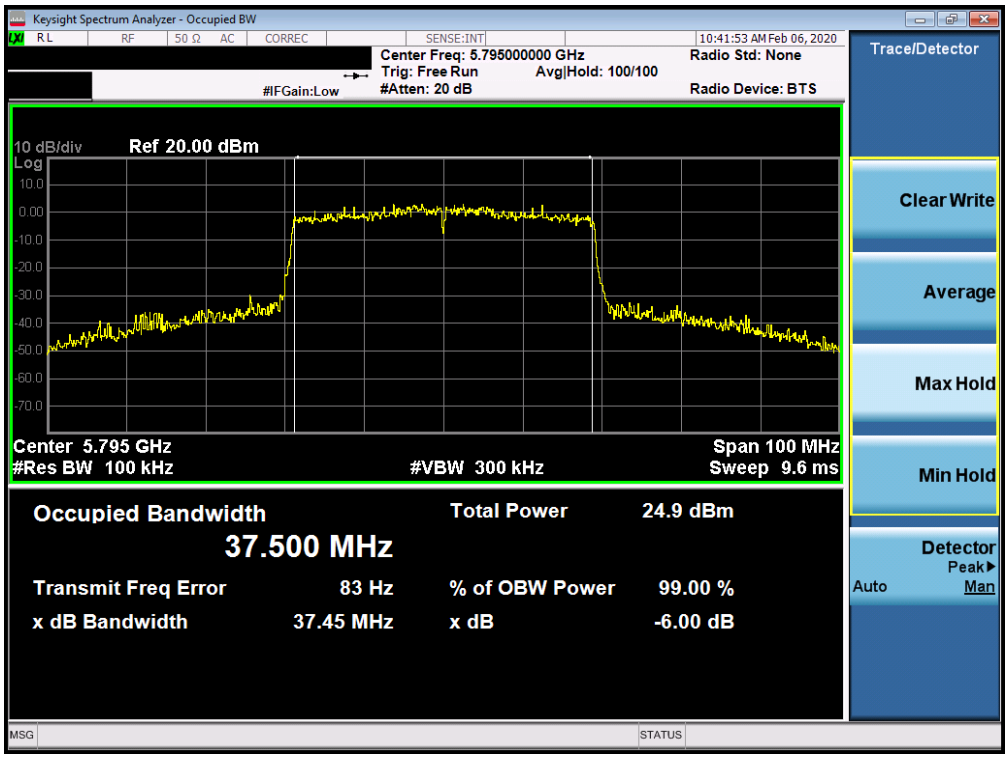
Plot 7-177. 6dB Bandwidth Plot SISO CORE 0 (40MHz BW 802.11ax Index 8 – RU26 (UNII Band 3) – Ch. 159)



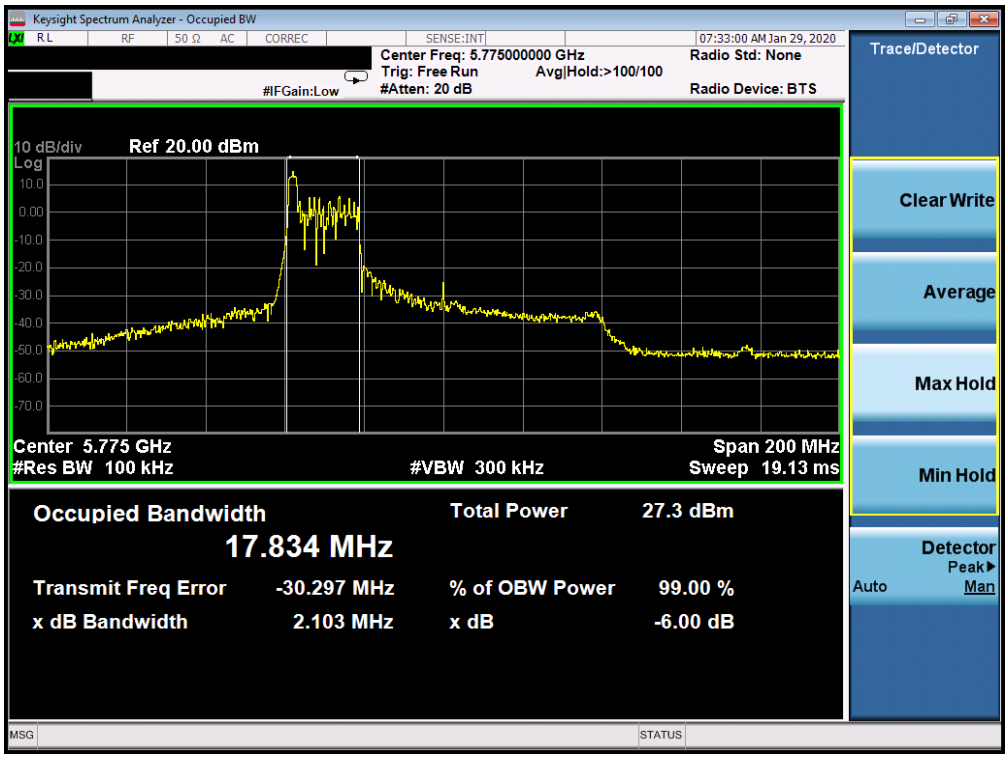
Plot 7-178. 6dB Bandwidth Plot SISO CORE 0 (40MHz BW 802.11ax Index 17 – RU26 (UNII Band 3) – Ch. 159)



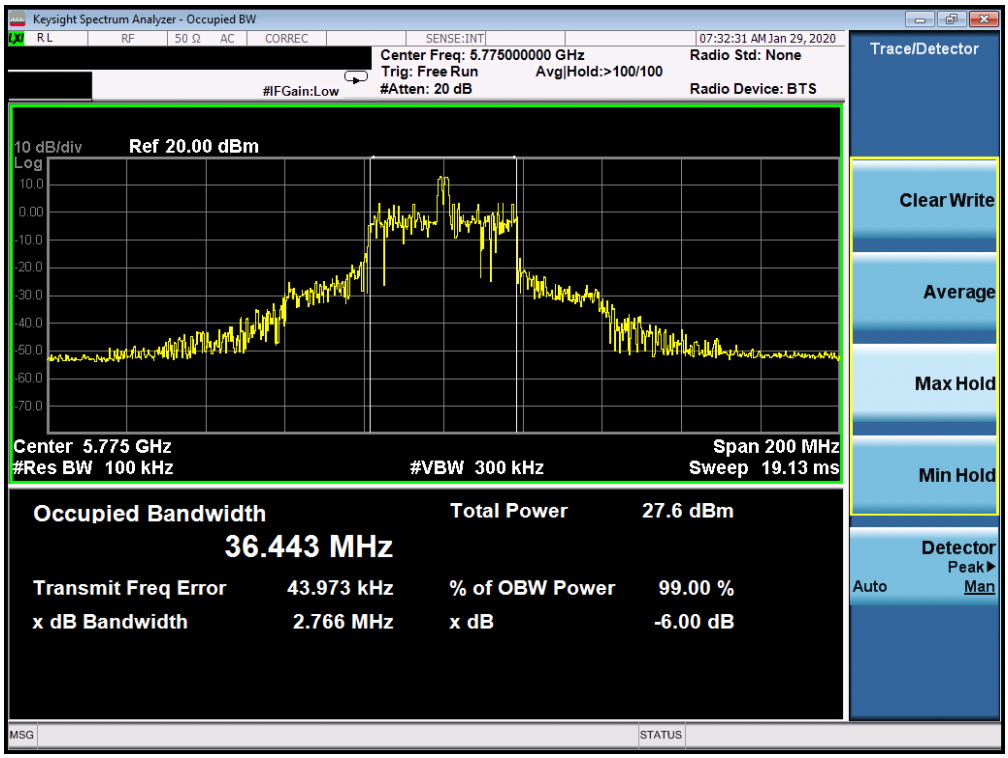
Plot 7-179. 6dB Bandwidth Plot SISO CORE 0 (40MHz BW 802.11ax – RU484 (UNII Band 3) – Ch. 151)



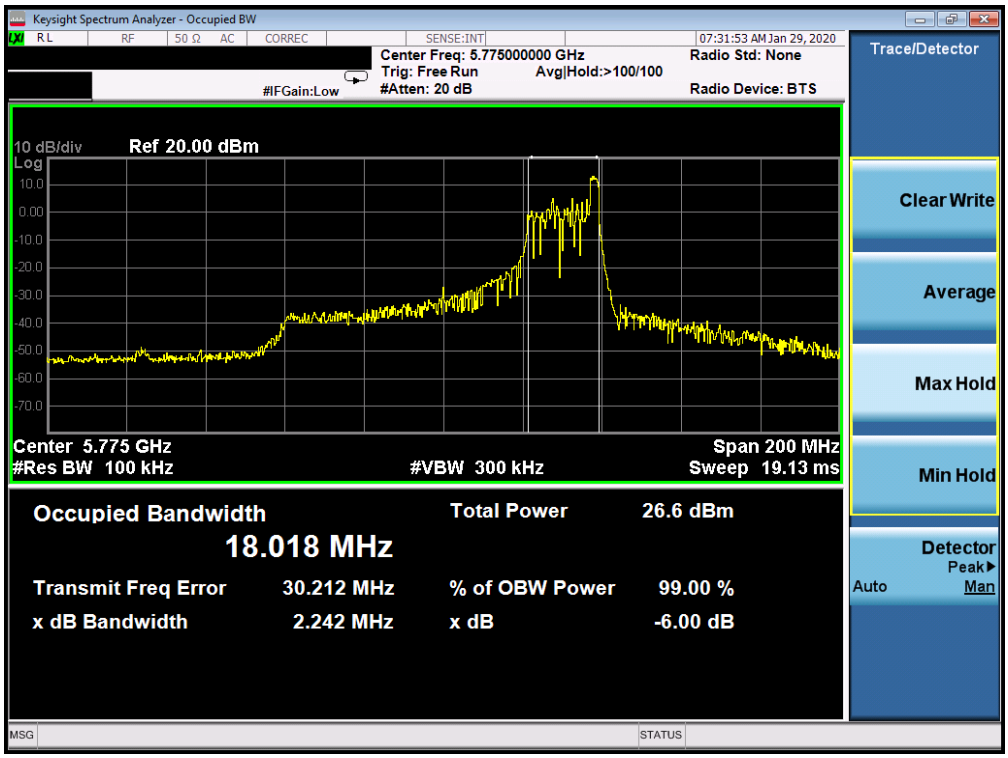
Plot 7-180. 6dB Bandwidth Plot SISO CORE 0 (40MHz BW 802.11ax – RU484 (UNII Band 3) – Ch. 159)



Plot 7-181. 6dB Bandwidth Plot SISO CORE 0 (80MHz BW 802.11ax Index 0 – RU26 (UNII Band 3) – Ch. 155)



Plot 7-182. 6dB Bandwidth Plot SISO CORE 0 (80MHz BW 802.11ax Index 18 – RU26 (UNII Band 3) – Ch. 155)



Plot 7-183. 6dB Bandwidth Plot SISO CORE 0 (80MHz BW 802.11ax Index 36 – RU26 (UNII Band 3) – Ch. 155)

Plot 7-184. 6dB Bandwidth Plot SISO CORE 0 (80MHz BW 802.11ax – RU996 (UNII Band 3) – Ch. 155)

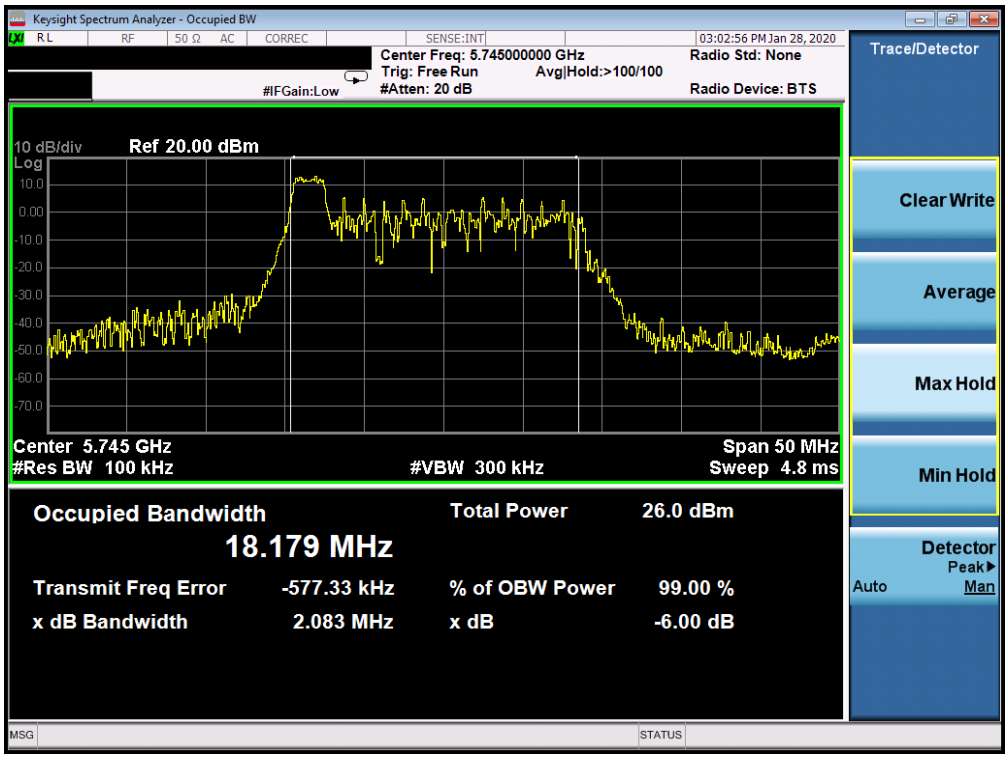
SISO Core 1 6dB Bandwidth Measurements

	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	Index	Data Rate [Mbps]	Measured 6dB Bandwidth [MHz]
Band 3	5745	149	ax (20MHz)	RU26	0	MCS0	2.08
				RU26	4	MCS0	2.69
				RU26	8	MCS0	2.10
	5785	157	ax (20MHz)	RU26	0	MCS0	2.16
				RU26	4	MCS0	2.68
				RU26	8	MCS0	2.10
	5825	165	ax (20MHz)	RU26	0	MCS0	2.11
				RU26	4	MCS0	2.70
				RU26	8	MCS0	2.11
	5755	151	ax (40MHz)	RU26	0	MCS0	2.09
				RU26	8	MCS0	2.17
				RU26	17	MCS0	2.11
	5795	159	ax (40MHz)	RU26	0	MCS0	2.16
				RU26	8	MCS0	2.16
				RU26	17	MCS0	2.17
	5775	155	ax (80MHz)	RU26	0	MCS0	2.24
				RU26	18	MCS0	2.81
				RU26	36	MCS0	2.24

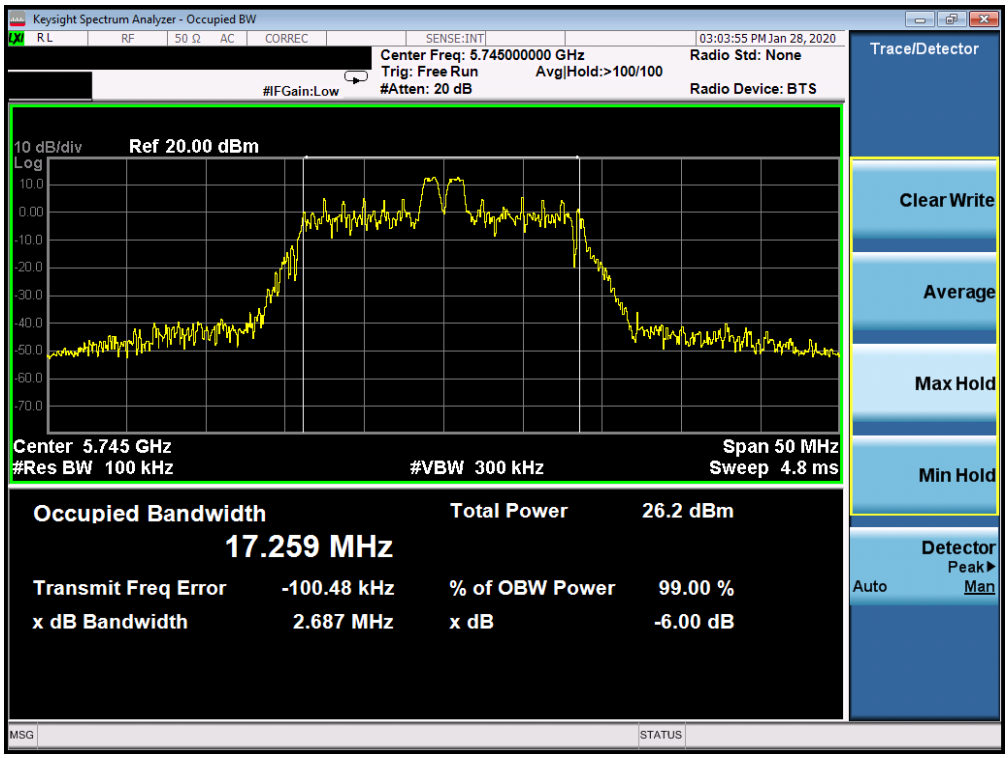
Table 7-8. Conducted Bandwidth Measurements SISO CORE 1 (RU26)

	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	Index	Data Rate [Mbps]	Measured 6dB Bandwidth [MHz]
Band 3	5745	149	ax (20MHz)	RU242	61	MCS0	18.86
	5785	157	ax (20MHz)	RU242	61	MCS0	18.85
	5825	165	ax (20MHz)	RU242	61	MCS0	18.90
	5755	151	ax (40MHz)	RU484	65	MCS0	37.11
	5795	159	ax (40MHz)	RU484	65	MCS0	37.59
	5775	155	ax (80MHz)	RU996	67	MCS0	77.14

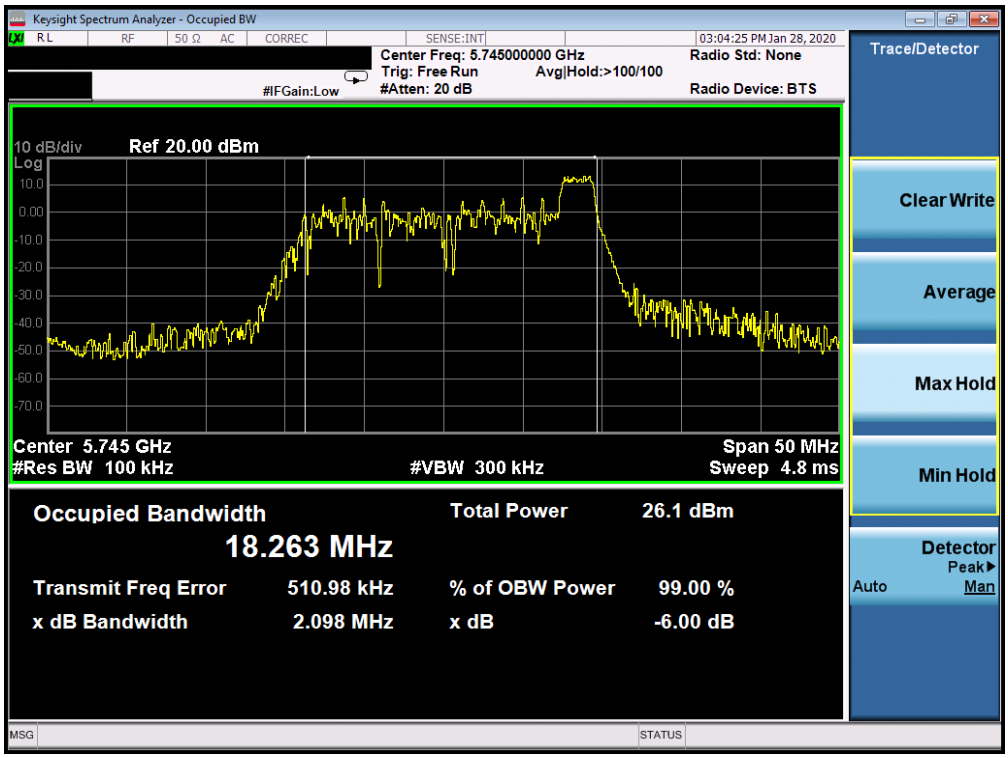
Table 7-9. Conducted Bandwidth Measurements SISO CORE 1 (Full RU)



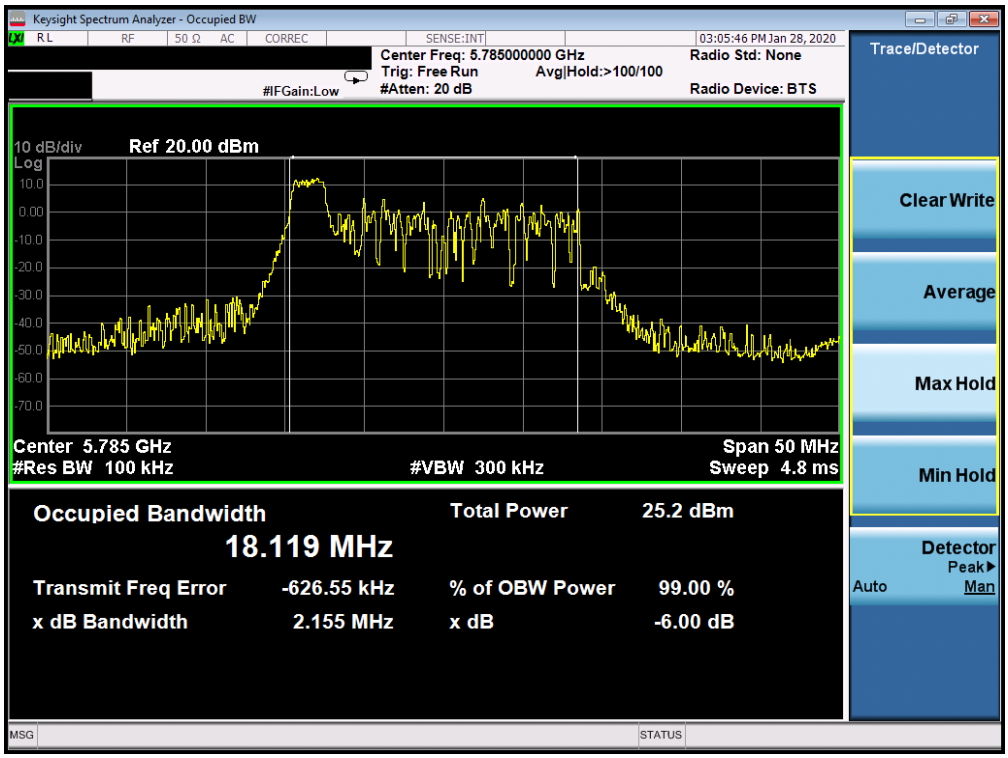
Plot 7-185. 6dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax Index 0 – RU26 (UNII Band 3) – Ch. 149)



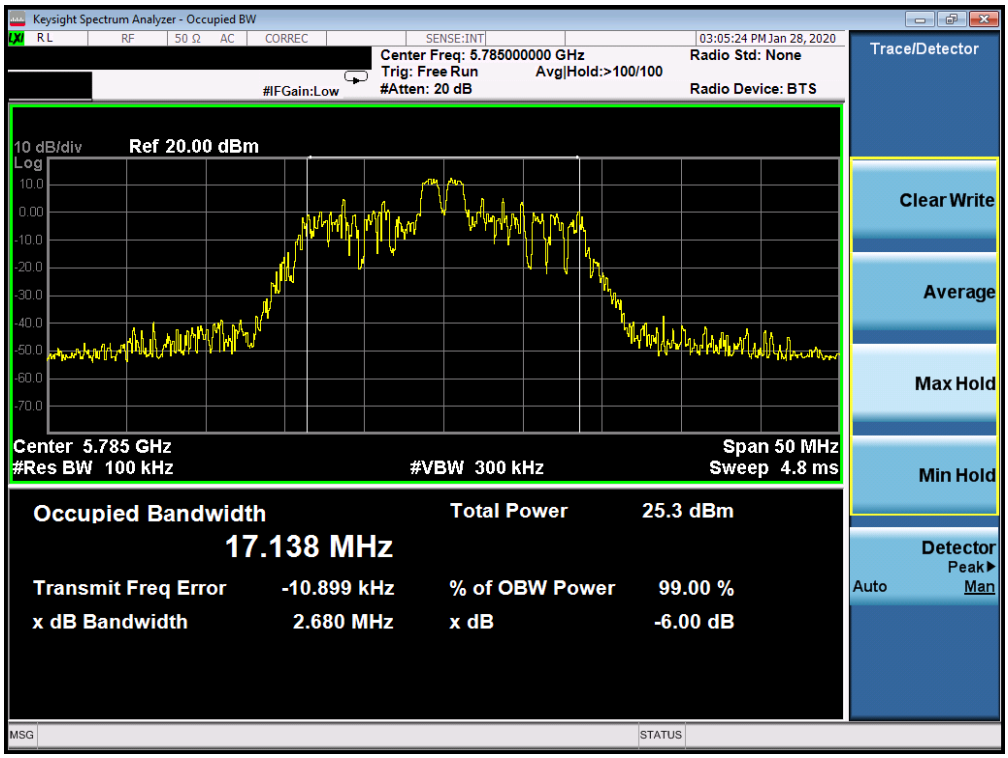
Plot 7-186. 6dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax Index 4 – RU26 (UNII Band 3) – Ch. 149)



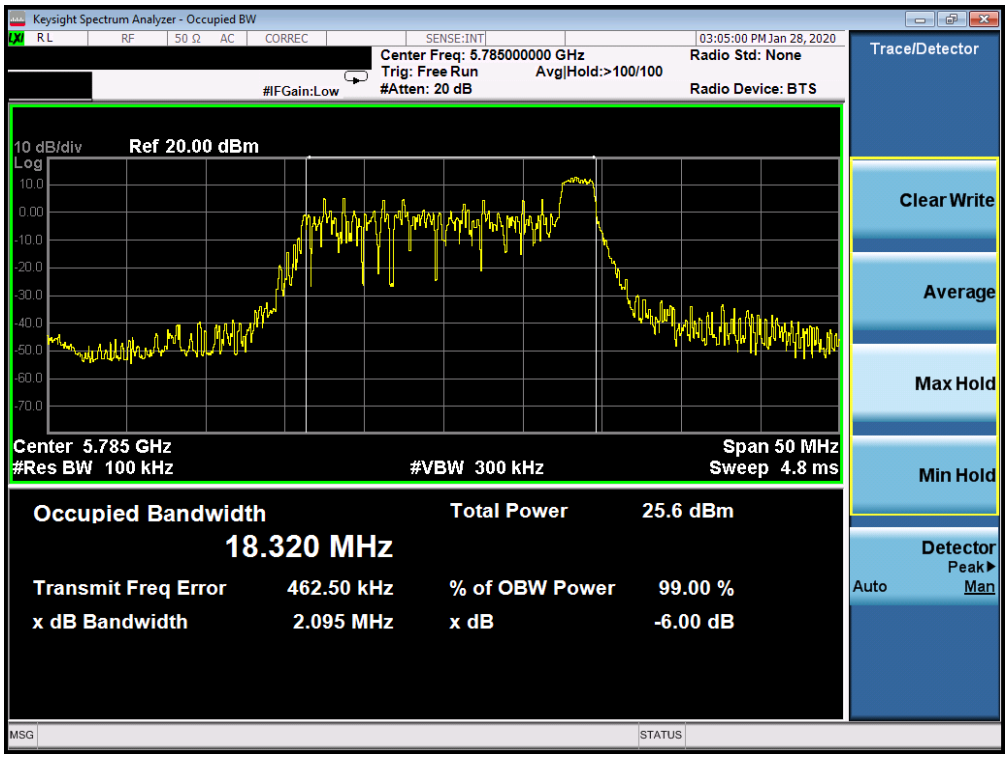
Plot 7-187. 6dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax Index 8 – RU26 (UNII Band 3) – Ch. 149)



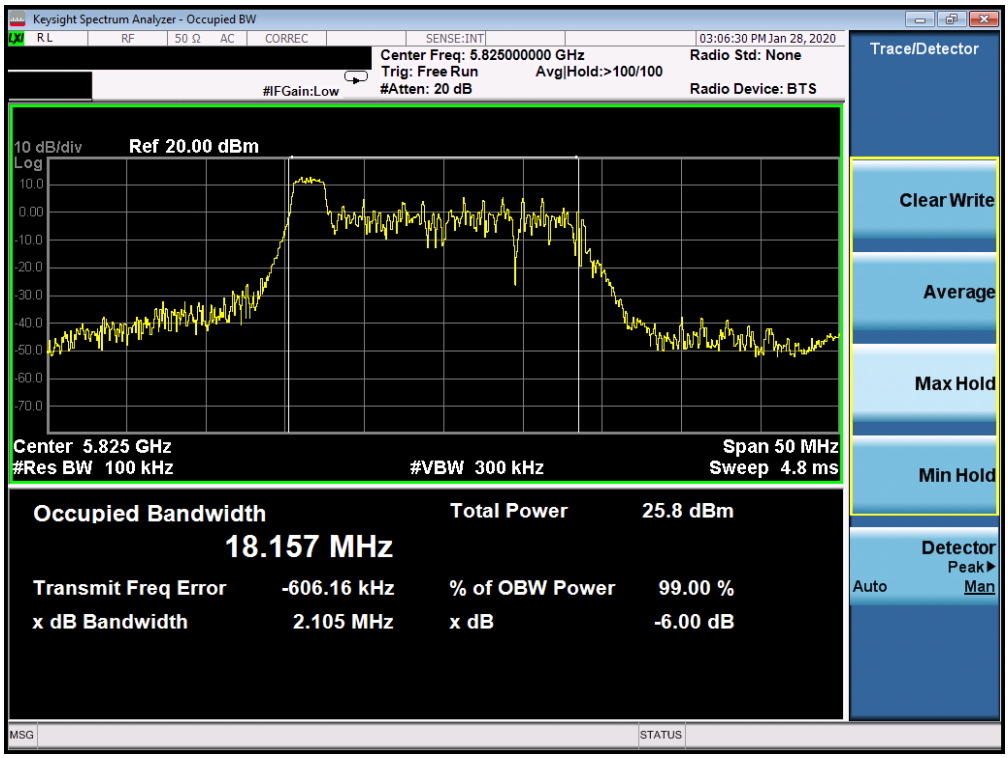
Plot 7-188. 6dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax Index 0 – RU26 (UNII Band 3) – Ch. 157)



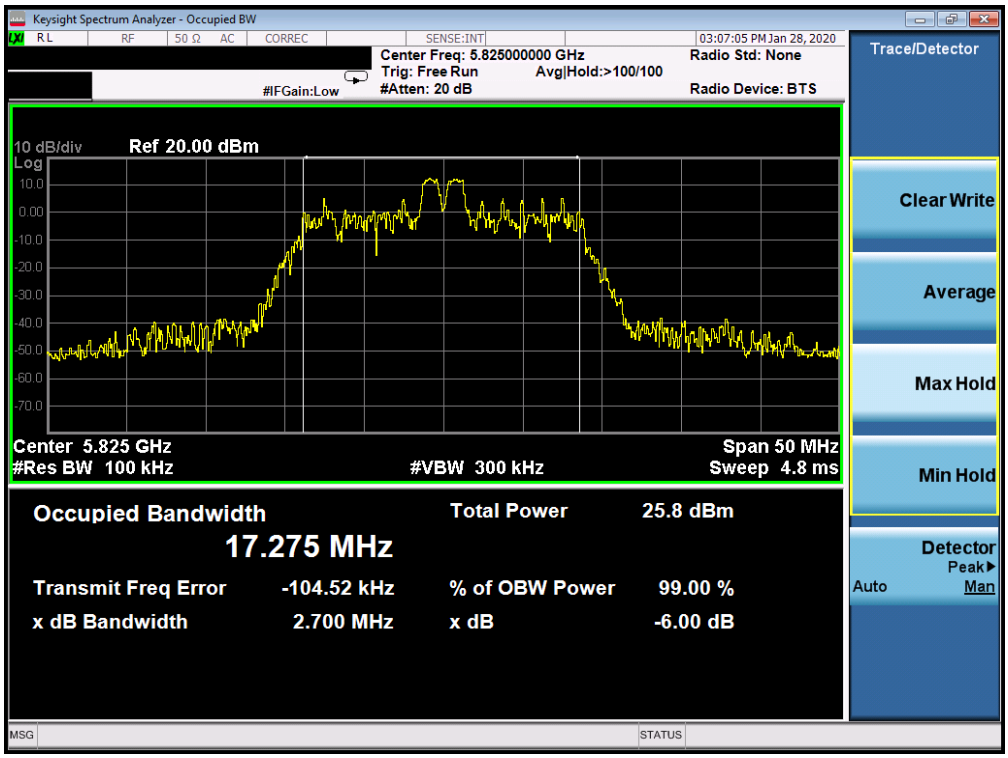
Plot 7-189. 6dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax Index 4 – RU26 (UNII Band 3) – Ch. 157)



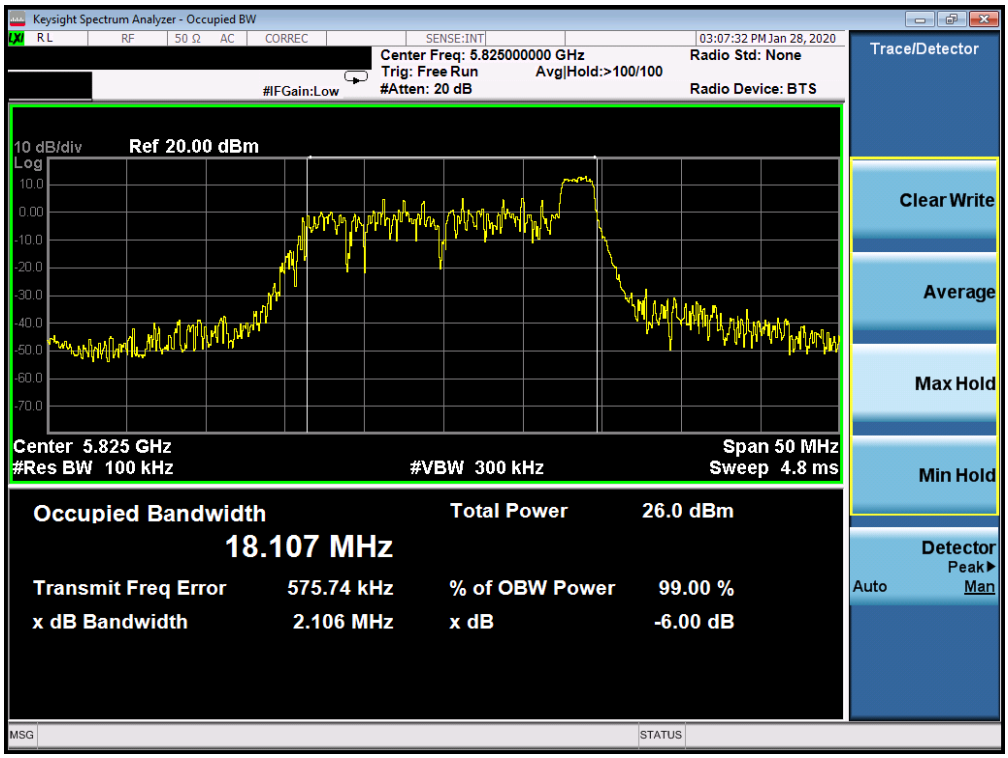
Plot 7-190. 6dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax Index 8– RU26 (UNII Band 3) – Ch. 157)



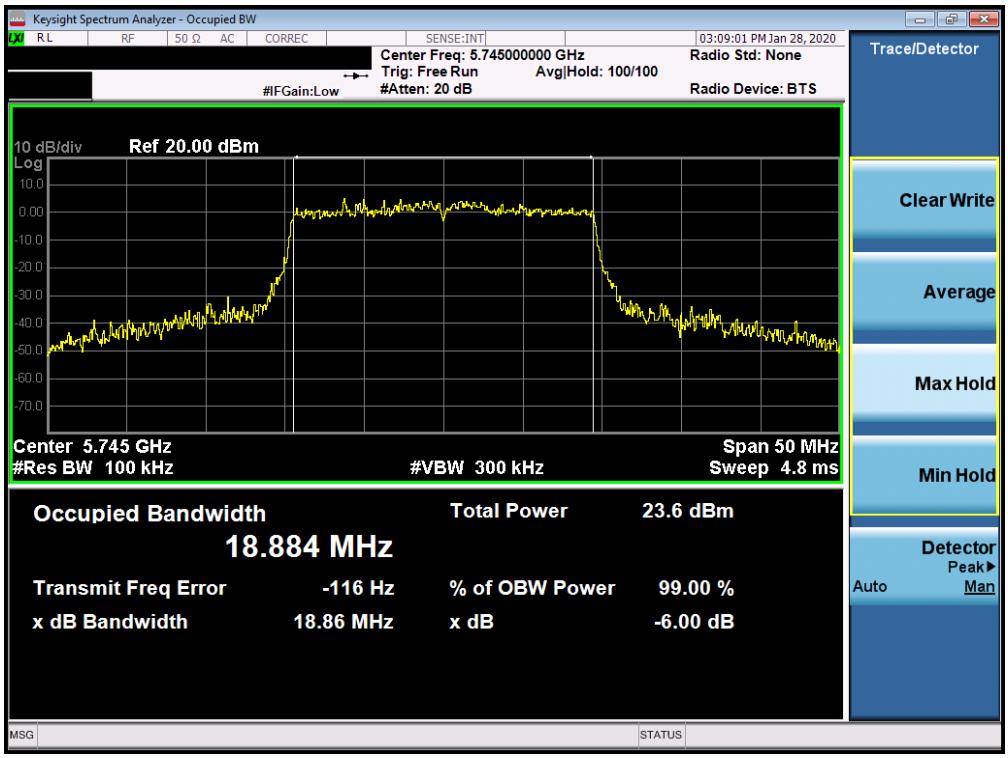
Plot 7-191. 6dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax Index 0 – RU26 (UNII Band 3) – Ch. 165)21



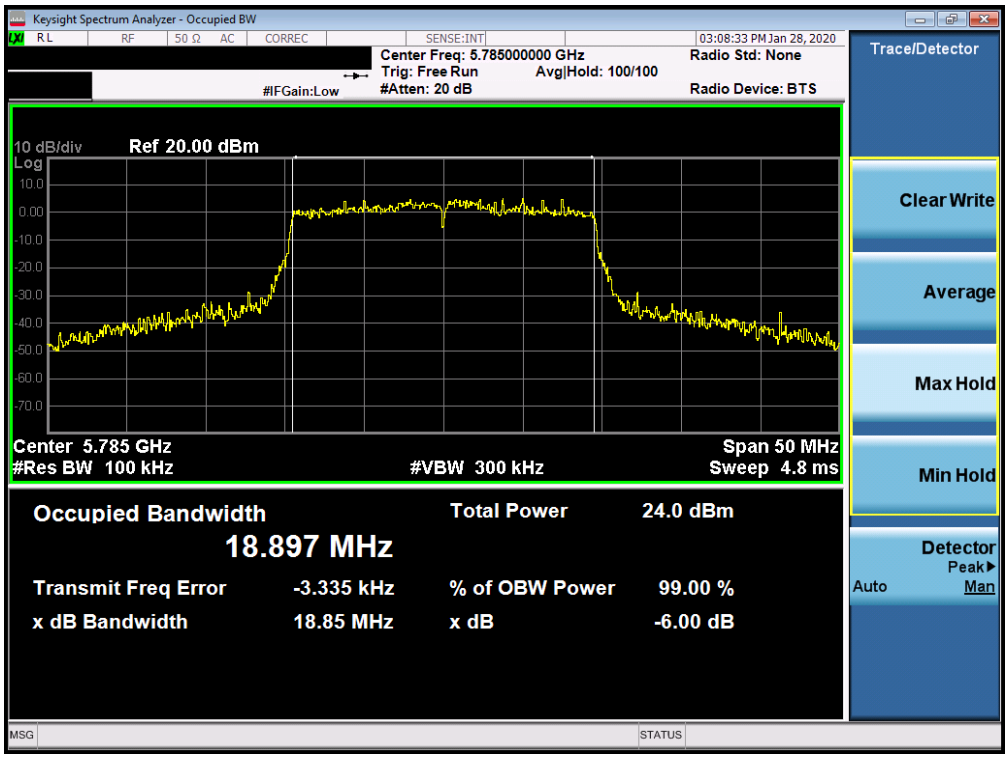
Plot 7-192. 6dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax Index 4 – RU26 (UNII Band 3) – Ch. 165)



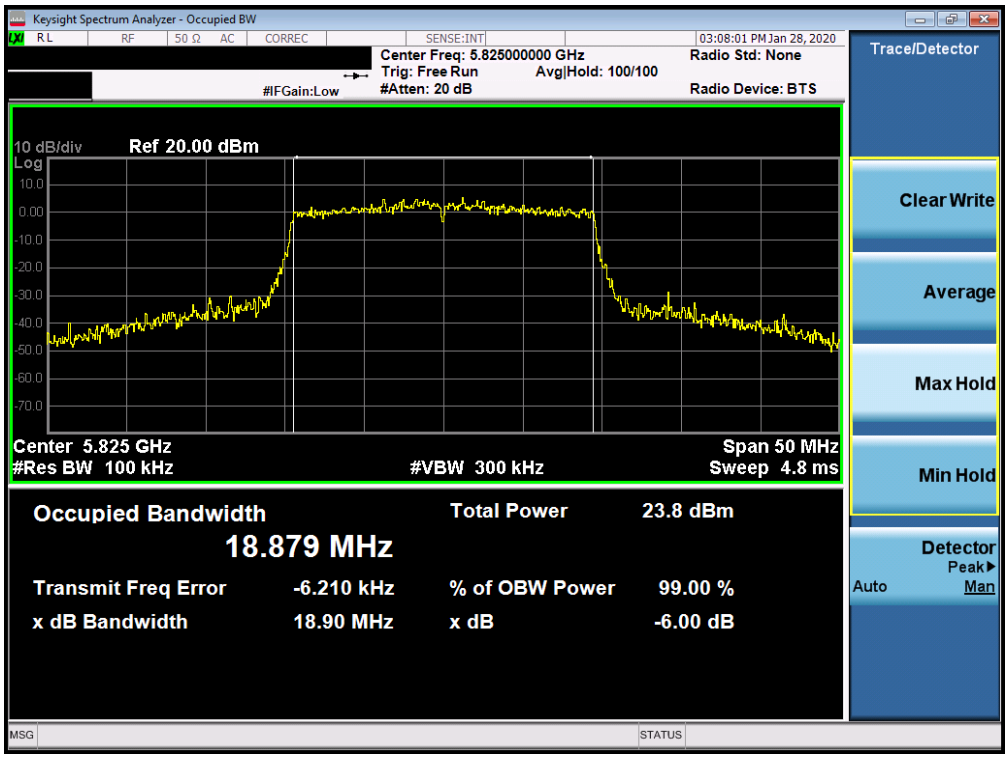
Plot 7-193. 6dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax Index 8 – RU26 (UNII Band 3) – Ch. 165)



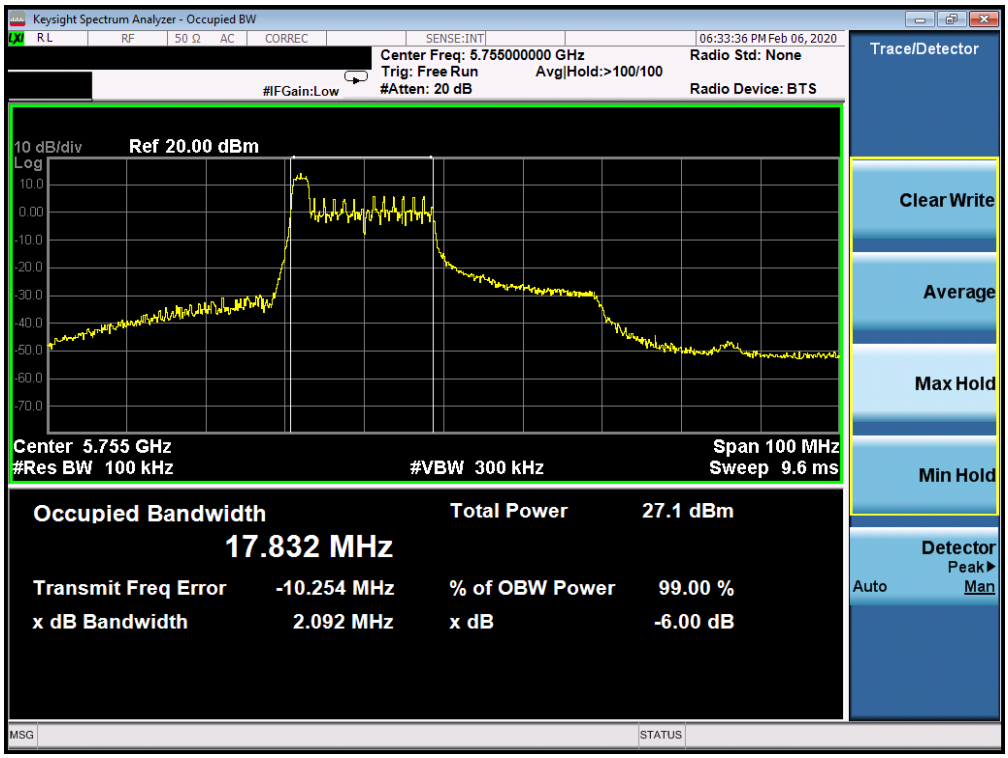
Plot 7-194. 6dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax– RU242 (UNII Band 3) – Ch. 149)



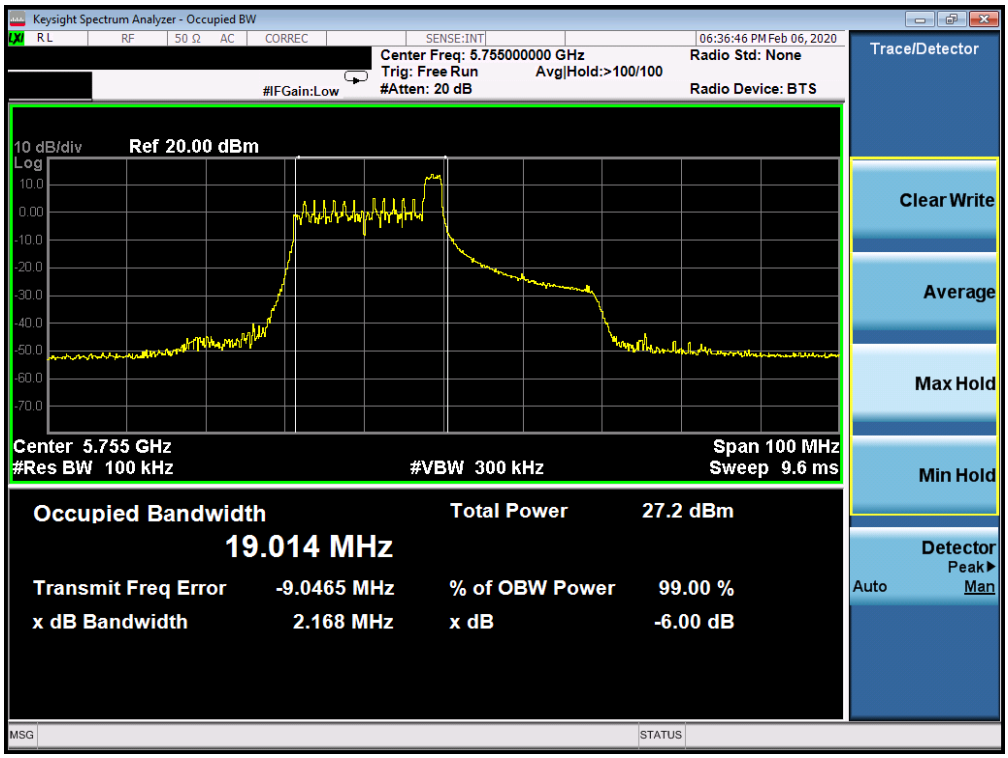
Plot 7-195. 6dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax– RU242 (UNII Band 3) – Ch. 157)



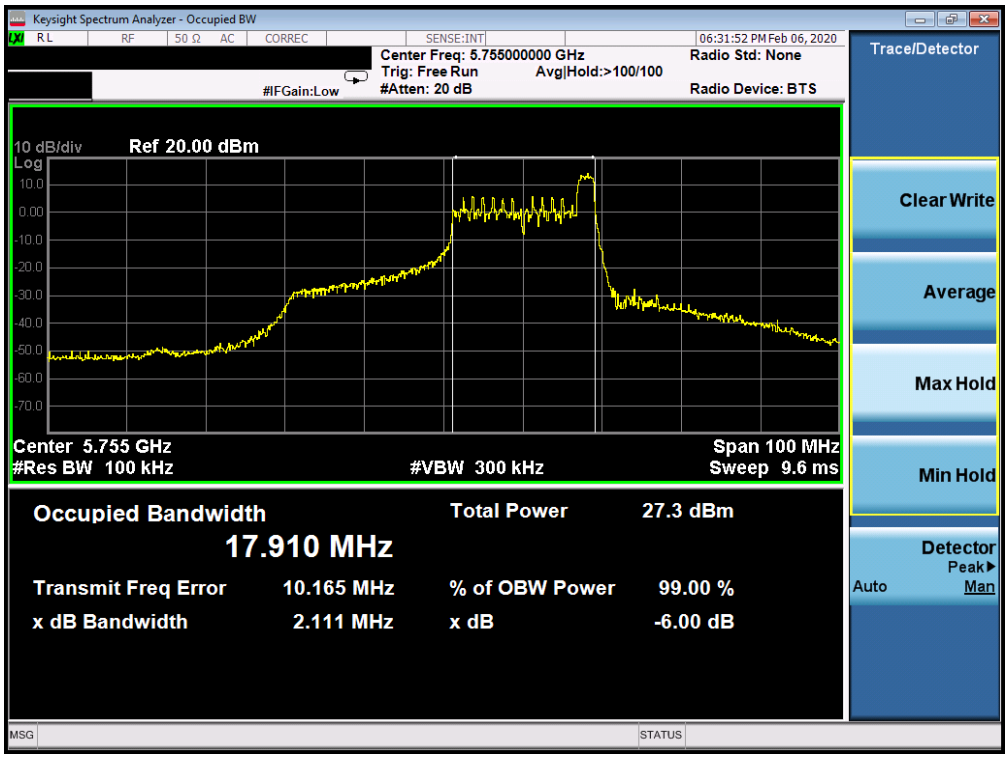
Plot 7-196. 6dB Bandwidth Plot SISO CORE 1 (20MHz BW 802.11ax– RU242 (UNII Band 3) – Ch. 165)



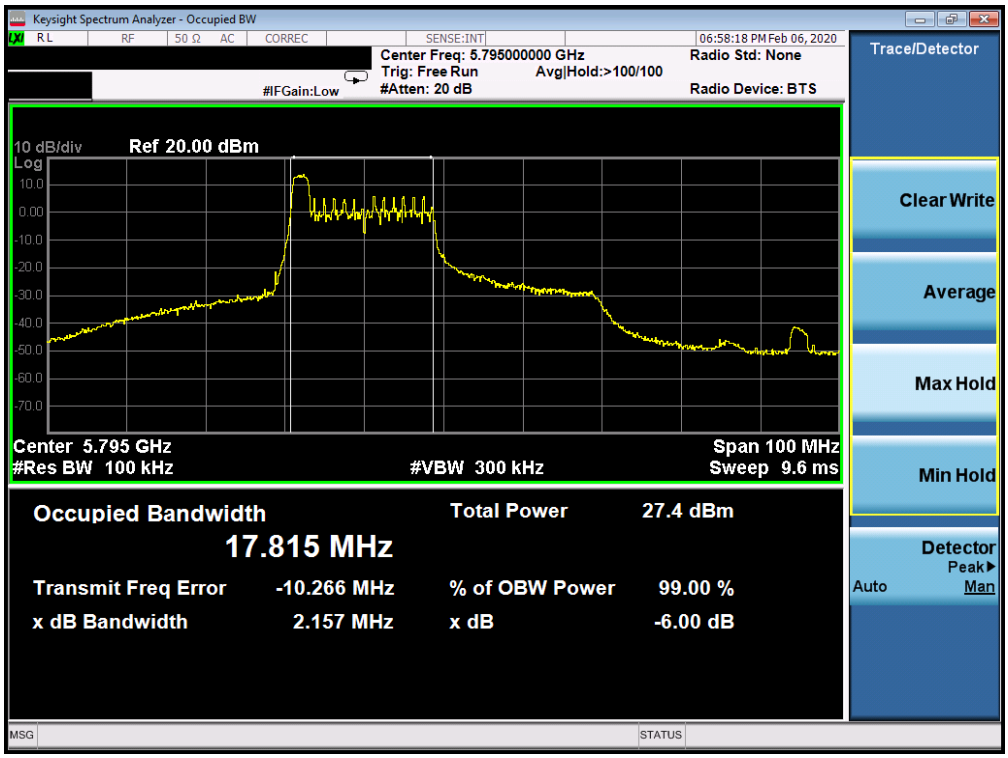
Plot 7-197. 6dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 0 – RU26 (UNII Band 3) – Ch. 151)



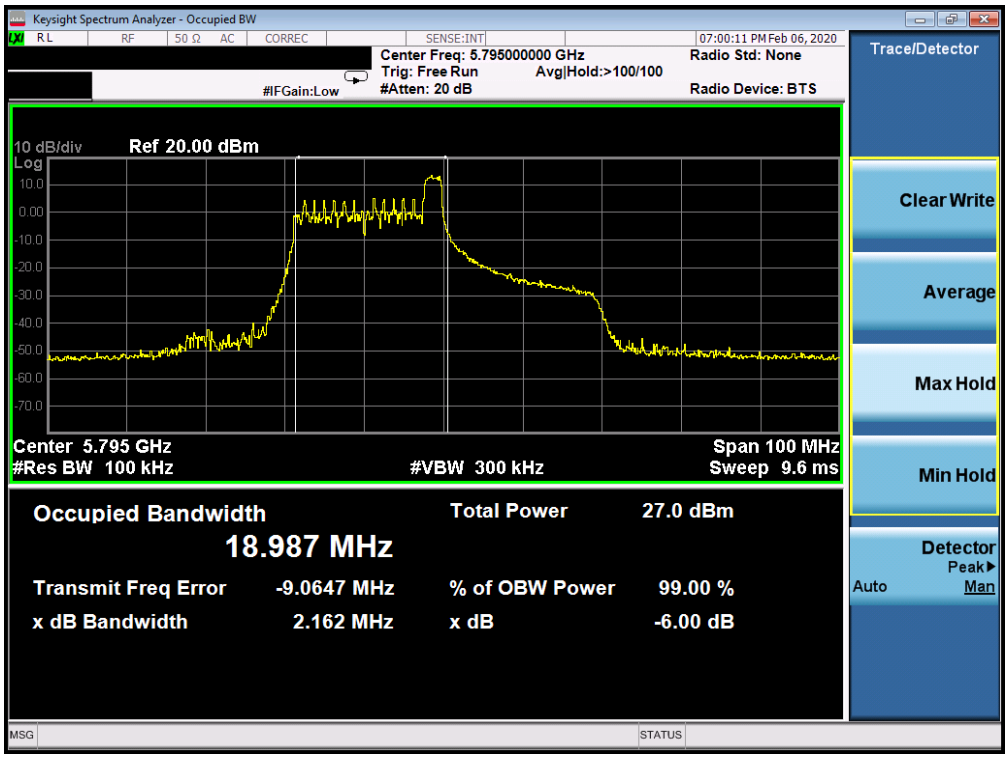
Plot 7-198. 6dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 8 – RU26 (UNII Band 3) – Ch. 151)



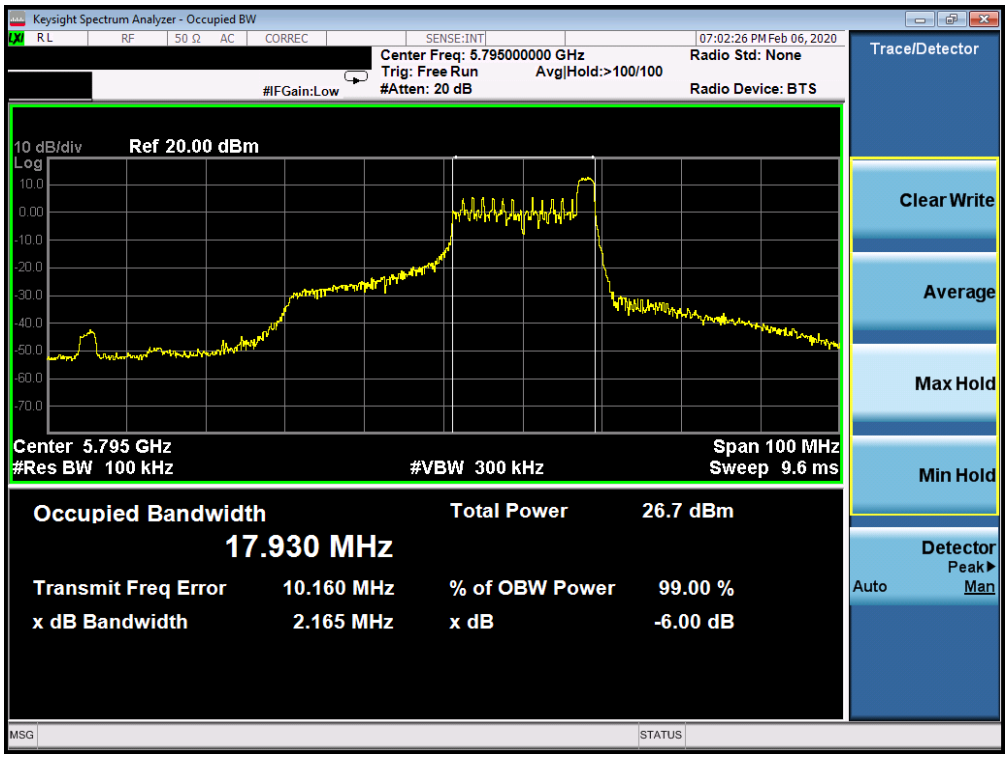
Plot 7-199. 6dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 17 – RU26 (UNII Band 3) – Ch. 151)



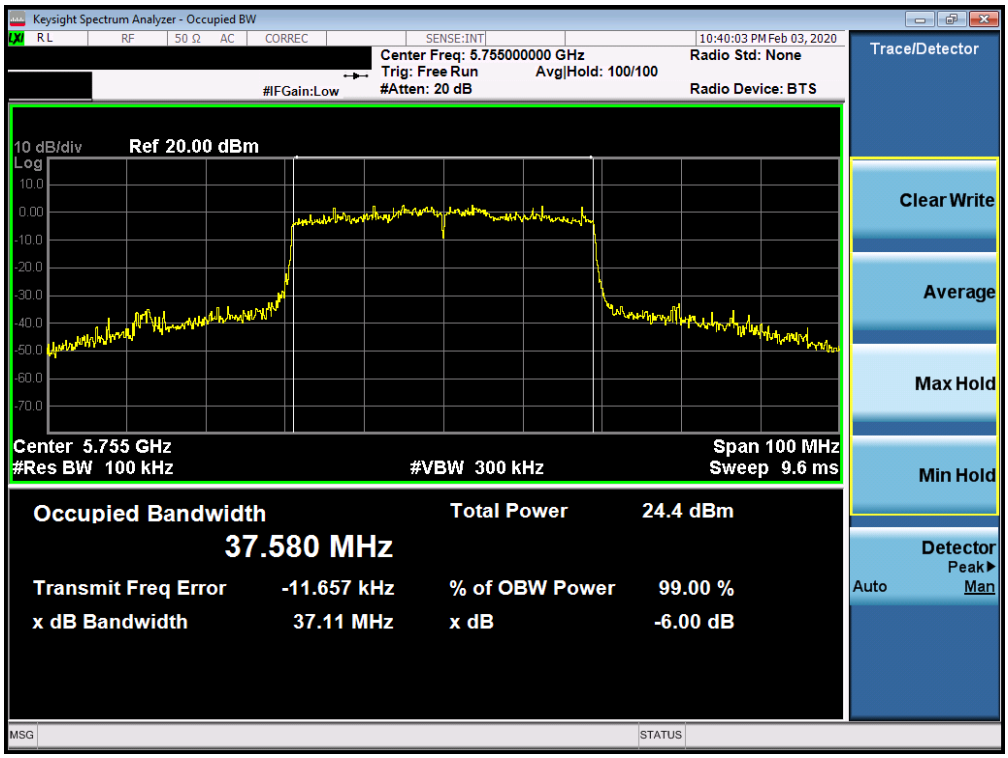
Plot 7-200. 6dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 0 – RU26 (UNII Band 3) – Ch. 159)



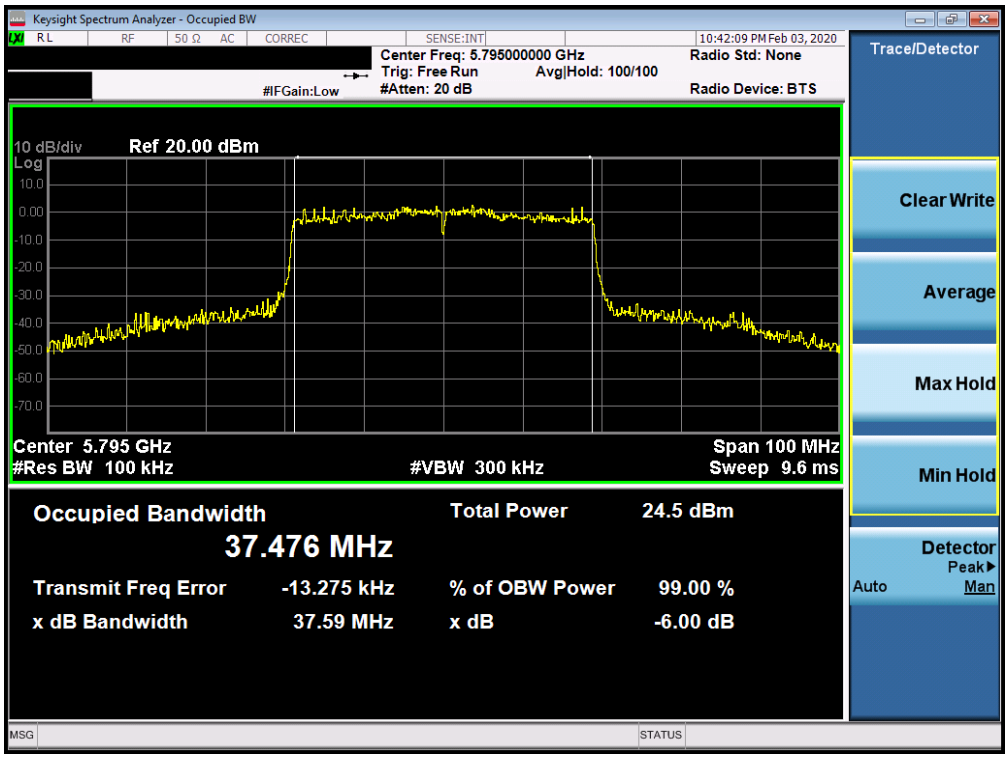
Plot 7-201. 6dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 8 – RU26 (UNII Band 3) – Ch. 159)



Plot 7-202. 6dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax Index 17 – RU26 (UNII Band 3) – Ch. 159)

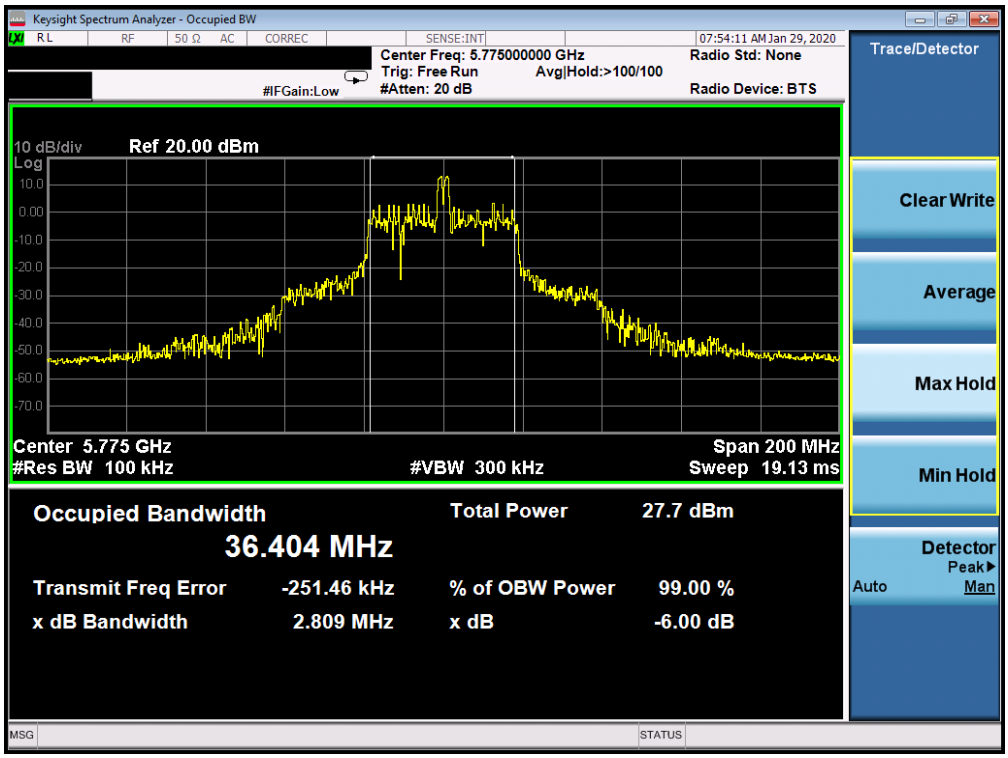


Plot 7-203. 6dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax – RU484 (UNII Band 3) – Ch. 151)

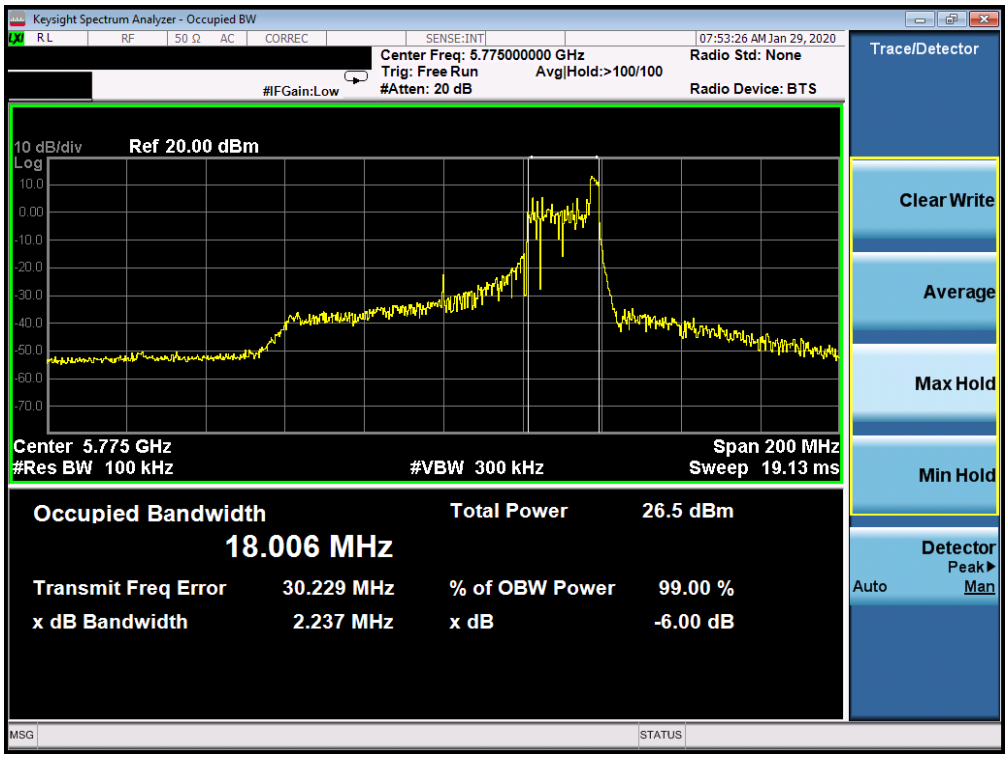


Plot 7-204. 6dB Bandwidth Plot SISO CORE 1 (40MHz BW 802.11ax – RU484 (UNII Band 3) – Ch. 159)

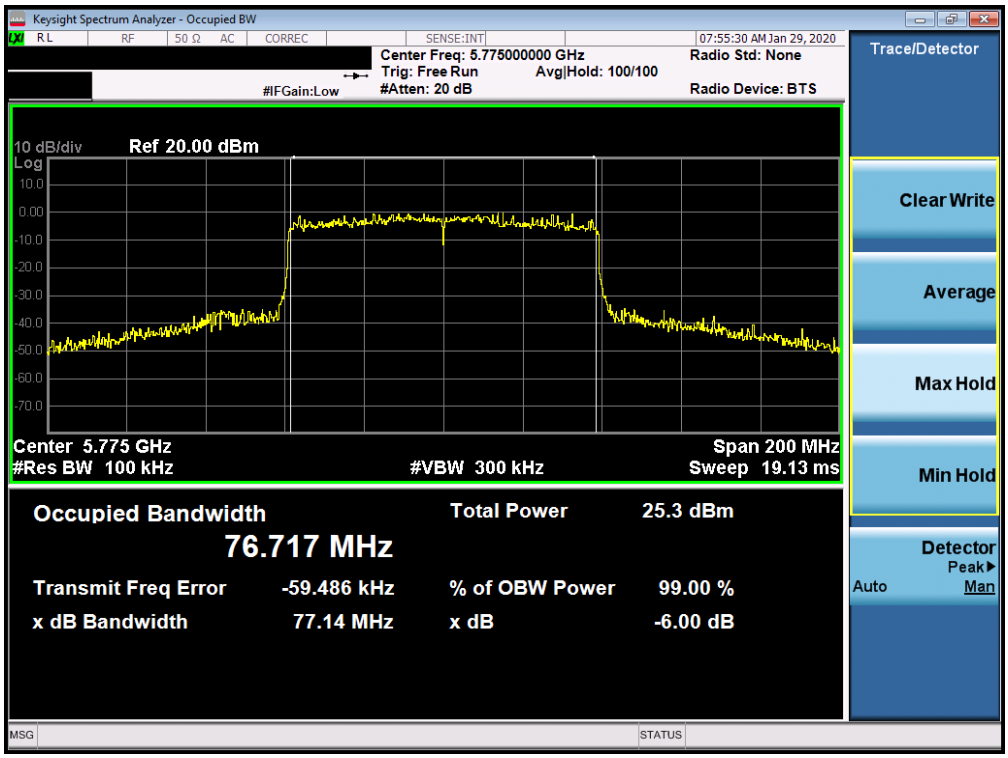
Plot 7-205. 6dB Bandwidth Plot SISO CORE 1 (80MHz BW 802.11ax Index 0 – RU26 (UNII Band 3) – Ch. 155)



Plot 7-206. 6dB Bandwidth Plot SISO CORE 1 (80MHz BW 802.11ax Index 18 – RU26 (UNII Band 3) – Ch. 155)



Plot 7-207. 6dB Bandwidth Plot SISO CORE 1 (80MHz BW 802.11ax Index 36 – RU26 (UNII Band 3) – Ch. 155)



Plot 7-208. 6dB Bandwidth Plot SISO CORE 1 (80MHz BW 802.11ax – RU996 (UNII Band 3) – Ch. 155)

7.4 UNII Output Power Measurement – 802.11ax OFDMA

§15.407(a.1.iv) §15.407(a.2) §15.407(a.3); RSS-247 [6.2]

Test Overview and Limits

A transmitter antenna terminal of the EUT is connected to the input of an RF pulse power sensor. Measurement is made using a broadband average power meter 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.

In the 5.15 – 5.25GHz band, the maximum permissible conducted output power is 250mW (23.98dBm). The maximum e.i.r.p. shall not exceed the lesser of 200 mW or 10 + 10 log10B, dBm.

In the 5.25 – 5.35GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) or 11 dBm + 10log$_{10}$(26dB BW) = 11 dBm + 10log$_{10}$(18.65) = 23.71dBm. The maximum e.i.r.p. shall not exceed the lesser of 1.0 W or 17 + 10 log10B, dBm.

In the 5.47 – 5.725GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) or 11 dBm + 10log$_{10}$(26dB BW) = 11 dBm + 10log$_{10}$(18.48) = 23.67dBm. The maximum e.i.r.p. shall not exceed the lesser of 1.0 W or 17 + 10 log10B, dBm.

In the 5.725 – 5.850GHz band, the maximum permissible conducted output power is 1W (30dBm). The maximum e.i.r.p. is 36 dBm.

Test Procedure Used

ANSI C63.10-2013 – Section 12.3.3.2 Method PM-G
KDB 789033 D02 v02r01 – Section E)3)b) Method PM-G
ANSI C63.10-2013 – Section 14.2 Measure-and-Sum Technique
KDB 662911 v02r01 – Section E)1) Measure-and-Sum Technique

Test Settings

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

Test Setup

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

Figure 7-3. Test Instrument & Measurement Setup

Test Notes

1. All RU’s were investigated and RU 26 and fully-loaded RU were reported.
2. Additionally, the highest power among partially-loaded RU’s was reported.
3. The "-" shown in the following power tables are used to denote N/A.

FCC SISO Core 0 Conducted Output Power Measurements (RU26)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				RU Index				
				0	4	8		
5180	36	AVG	26	10.79	11.00	11.00	23.98	-12.98
5200	40	AVG	26	10.67	11.00	10.98	23.98	-12.98
5240	48	AVG	26	10.48	10.93	10.91	23.98	-13.05
5260	52	AVG	26	10.60	10.98	10.99	23.71	-12.72
5300	60	AVG	26	10.45	10.89	10.86	23.71	-12.82
5320	64	AVG	26	10.63	11.00	11.00	23.71	-12.71
5500	100	AVG	26	10.60	10.95	10.97	23.67	-12.70
5520	104	AVG	26	10.61	10.88	10.67	23.67	-12.79
5580	116	AVG	26	10.83	10.86	10.89	23.67	-12.78
5680	136	AVG	26	10.77	11.00	10.85	23.67	-12.67
5700	140	AVG	26	10.50	11.00	10.80	23.67	-12.67
5720	144	AVG	26	10.82	10.98	10.76	23.67	-12.69
5745	149	AVG	26	15.41	15.59	15.50	30.00	-14.41
5785	157	AVG	26	15.29	15.56	15.48	30.00	-14.44
5825	165	AVG	26	15.32	15.60	15.52	30.00	-14.40

Table 7-10. SISO CORE 0 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				RU Index				
				0	8	17		
5190	38	AVG	26	10.10	11.00	10.47	23.98	-12.98
5230	46	AVG	26	10.45	10.97	11.00	23.98	-12.98
5270	54	AVG	26	10.69	10.94	11.00	23.71	-12.71
5310	62	AVG	26	10.30	10.96	10.95	23.71	-12.75
5510	102	AVG	26	10.91	11.00	10.91	23.67	-12.67
5550	110	AVG	26	11.00	11.00	11.00	23.67	-12.67
5670	134	AVG	26	11.00	10.84	10.86	23.67	-12.67
5710	142	AVG	26	10.75	10.75	10.86	23.67	-12.81
5755	151	AVG	26	15.43	15.42	15.64	30.00	-14.36
5795	159	AVG	26	15.52	15.48	15.58	30.00	-14.42

Table 7-11. SISO CORE 0 40MHz BW (UNII) Maximum Conducted Output Power (RU26)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				RU Index				
				0	18	36		
5210	42	AVG	26	10.59	11.00	10.56	23.98	-12.98
5290	58	AVG	26	10.59	10.98	10.74	23.71	-12.73
5530	106	AVG	26	10.91	11.00	10.66	23.67	-12.67
5690	138	AVG	26	11.00	11.00	10.72	23.67	-12.67
5775	155	AVG	26	15.53	15.60	15.19	30.00	-14.40

Table 7-12. SISO CORE 0 80MHz BW (UNII) Maximum Conducted Output Power (RU26)

ISED SISO Core 0 Conducted Output Power Measurements (RU26)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				RU Index								
				0	4	8						
5180	36	AVG	26	6.51	7.00	6.90	-	-	2.10	9.10	22.74	-13.64
5200	40	AVG	26	6.54	6.99	7.00	-	-	2.10	9.10	22.74	-13.64
5240	48	AVG	26	6.47	6.84	6.88	-	-	2.10	8.98	22.74	-13.76
5260	52	AVG	26	10.60	10.98	10.99	23.71	-12.72	1.30	12.29	29.71	-17.42
5300	60	AVG	26	10.45	10.89	10.86	23.71	-12.82	1.30	12.19	29.71	-17.52
5320	64	AVG	26	10.63	11.00	11.00	23.71	-12.71	1.30	12.30	29.71	-17.41
5500	100	AVG	26	10.60	10.95	10.97	23.67	-12.70	3.70	14.67	29.67	-15.00
5520	104	AVG	26	10.61	10.88	10.67	23.67	-12.79	3.70	14.58	29.67	-15.09
5580	116	AVG	26	10.83	10.86	10.89	23.67	-12.78	3.70	14.59	29.67	-15.08
5680	136	AVG	26	10.77	11.00	10.85	23.67	-12.67	3.70	14.70	29.67	-14.97
5700	140	AVG	26	10.50	11.00	10.80	23.67	-12.67	3.70	14.70	29.67	-14.97
5720	144	AVG	26	10.82	10.98	10.76	23.67	-12.69	3.70	14.68	29.67	-14.99
5745	149	AVG	26	15.41	15.59	15.50	30.00	-14.41	4.70	20.29	-	-
5785	157	AVG	26	15.29	15.56	15.48	30.00	-14.44	4.70	20.26	-	-
5825	165	AVG	26	15.32	15.60	15.52	30.00	-14.40	4.70	20.30	-	-

Table 7-13. SISO CORE 0 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				RU Index								
				0	8	17						
5190	38	AVG	26	6.00	7.00	6.36	-	-	2.10	9.10	22.74	-13.64
5230	46	AVG	26	6.60	7.00	7.00	-	-	2.10	9.10	22.74	-13.64
5270	54	AVG	26	10.69	10.94	11.00	23.71	-12.71	1.30	12.30	29.71	-17.41
5310	62	AVG	26	10.30	10.96	10.95	23.71	-12.75	1.30	12.26	29.71	-17.45
5510	102	AVG	26	10.91	11.00	10.91	23.67	-12.67	3.70	14.70	29.67	-14.97
5550	110	AVG	26	11.00	11.00	11.00	23.67	-12.67	3.70	14.70	29.67	-14.97
5670	134	AVG	26	11.00	10.84	10.86	23.67	-12.67	3.70	14.70	29.67	-14.97
5710	142	AVG	26	10.75	10.75	10.86	23.67	-12.81	3.70	14.56	29.67	-15.11
5755	151	AVG	26	15.43	15.42	15.64	30.00	-14.36	4.70	20.34	-	-
5795	159	AVG	26	15.52	15.48	15.58	30.00	-14.42	4.70	20.28	-	-

Table 7-14. SISO CORE 0 40MHz BW (UNII) Maximum Conducted Output Power (RU26)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				RU Index								
				0	18	36						
5210	42	AVG	26	7.00	7.00	10.56	-	-	2.10	12.66	22.74	-10.08
5290	58	AVG	26	10.59	10.98	10.74	23.71	-12.73	1.30	12.28	29.71	-17.43
5530	106	AVG	26	10.91	11.00	10.66	23.67	-12.67	3.70	14.70	29.67	-14.97
5690	138	AVG	26	11.00	11.00	10.72	23.67	-12.67	3.70	14.70	29.67	-14.97
5775	155	AVG	26	15.53	15.60	15.19	30.00	-14.40	4.70	20.30	-	-

Table 7-15. SISO CORE 0 80MHz BW (UNII) Maximum Conducted Output Power (RU26)

FCC SISO Core 0 Conducted Output Power Measurements (Highest Partial RU)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				RU Index			
				53	54		
5180	36	AVG	106	15.82	16.00	23.98	-7.98
5200	40	AVG	106	16.74	17.00	23.98	-6.98
5240	48	AVG	106	16.69	17.00	23.98	-6.98
5260	52	AVG	106	16.22	16.50	23.71	-7.21
5300	60	AVG	106	16.40	16.50	23.71	-7.21
5320	64	AVG	106	14.18	14.50	23.71	-9.21
5500	100	AVG	106	15.25	15.25	23.67	-8.42
5520	104	AVG	106	15.39	15.45	23.67	-8.22
5580	116	AVG	106	15.50	15.50	23.67	-8.17
5680	136	AVG	106	15.45	15.50	23.67	-8.17
5700	140	AVG	106	11.47	11.48	23.67	-12.19
5720	144	AVG	106	15.50	15.50	23.67	-8.17
5745	149	AVG	106	15.47	15.54	30.00	-14.46
5785	157	AVG	106	15.44	15.60	30.00	-14.40
5825	165	AVG	106	15.48	15.60	30.00	-14.40

Table 7-16. SISO CORE 0 20MHz BW (UNII) Maximum Conducted Output Power (RU106)

Freq [MHz]	Channel	Detector	RU Size	RU Index	Conducted Powers [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5190	38	AVG	242	61	14.25	23.98	-9.73
				62	14.25	23.98	-9.73
5230	46	AVG	242	61	17.22	23.98	-6.76
				62	17.43	23.98	-6.55
5270	54	AVG	242	61	16.49	23.71	-7.22
				62	16.50	23.71	-7.21
5310	62	AVG	242	61	12.39	23.71	-11.32
				62	12.50	23.71	-11.21
5510	102	AVG	242	61	12.42	23.67	-11.25
				62	12.50	23.67	-11.17
5550	110	AVG	242	61	15.40	23.67	-8.27
				62	15.50	23.67	-8.17
5670	134	AVG	242	61	14.50	23.67	-9.17
				62	14.50	23.67	-9.17
5710	142	AVG	106	53	16.50	23.67	-7.17
				54	16.45	23.67	-7.22
				56	15.44	23.67	-8.23
5755	151	AVG	242	61	15.75	30.00	-14.25
				62	15.75	30.00	-14.25
5795	159	AVG	242	61	15.75	30.00	-14.25
				61	15.75	30.00	-14.25

Table 7-17. SISO CORE 0 40MHz BW (UNII) Maximum Conducted Output Power (RU242)

Freq [MHz]	Channel	Detector	RU Size	RU Index	Conducted Powers [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5210	42	AVG	484	65	13.25	23.98	-10.73
				66	13.19	23.98	-10.79
5290	58	AVG	484	65	11.50	23.71	-12.21
				66	11.50	23.71	-12.21
5530	106	AVG	484	65	11.50	23.67	-12.17
				66	11.41	23.67	-12.26
5690	138	AVG	106	53	15.47	23.67	-8.20
				56	15.48	23.67	-8.19
				60	15.42	23.67	-8.25
5775	155	AVG	484	65	15.75	30.00	-14.25
				66	15.71	30.00	-14.29

Table 7-18. SISO CORE 0 80MHz BW (UNII) Maximum Conducted Output Power (RU484)

ISED SISO Core 0 Conducted Output Power Measurements (Highest Partial RU)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				RU Index							
				53	54						
5180	36	AVG	106	12.71	13.00	-	-	2.10	15.10	22.74	-7.64
5200	40	AVG	106	13.00	13.00	-	-	2.10	15.10	22.74	-7.64
5240	48	AVG	106	13.00	13.00	-	-	2.10	15.10	22.74	-7.64
5260	52	AVG	106	16.22	16.50	23.71	-7.21	1.30	17.80	29.71	-11.91
5300	60	AVG	106	16.40	16.50	23.71	-7.21	1.30	17.80	29.71	-11.91
5320	64	AVG	106	14.18	14.50	23.71	-9.21	1.30	15.80	29.71	-13.91
5500	100	AVG	106	15.25	15.25	23.67	-8.42	3.70	18.95	29.67	-10.72
5520	104	AVG	106	15.39	15.45	23.67	-8.22	3.70	19.15	29.67	-10.52
5580	116	AVG	106	15.50	15.50	23.67	-8.17	3.70	19.20	29.67	-10.47
5680	136	AVG	106	15.45	15.50	23.67	-8.17	3.70	19.20	29.67	-10.47
5700	140	AVG	106	11.47	11.48	23.67	-12.19	3.70	15.18	29.67	-14.49
5720	144	AVG	106	15.50	15.50	23.67	-8.17	3.70	19.20	29.67	-10.47
5745	149	AVG	106	15.47	15.54	30.00	-14.46	4.70	20.24	-	-
5785	157	AVG	106	15.44	15.60	30.00	-14.40	4.70	20.30	-	-
5825	165	AVG	106	15.48	15.60	30.00	-14.40	4.70	20.30	-	-

Table 7-19. SISO CORE 0 20MHz BW (UNII) Maximum Conducted Output Power (RU106)

Freq [MHz]	Channel	Detector	RU Size	RU Index	Conducted Powers [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5190	38	AVG	242	61	14.25	-	-	2.10	16.35	22.74	-6.39
				62	14.25	-	-	2.10	16.35	22.74	-6.39
5230	46	AVG	242	61	15.79	-	-	2.10	17.89	22.74	-4.85
				62	16.00	-	-	2.10	18.10	22.74	-4.64
5270	54	AVG	242	61	16.49	23.71	-7.22	1.30	17.79	29.71	-11.92
				62	16.50	23.71	-7.21	1.30	17.80	29.71	-11.91
5310	62	AVG	242	61	12.39	23.71	-11.32	1.30	13.69	29.71	-16.02
				62	12.50	23.71	-11.21	1.30	13.80	29.71	-15.91
5510	102	AVG	242	61	12.42	23.67	-11.25	3.70	16.12	29.67	-13.55
				62	12.50	23.67	-11.17	3.70	16.20	29.67	-13.47
5550	110	AVG	242	61	15.40	23.67	-8.27	3.70	19.10	29.67	-10.57
				62	15.50	23.67	-8.17	3.70	19.20	29.67	-10.47
5670	134	AVG	242	61	14.50	23.67	-9.17	3.70	18.20	29.67	-11.47
				62	14.50	23.67	-9.17	3.70	18.20	29.67	-11.47
5710	142	AVG	106	53	16.50	23.67	-7.17	3.70	20.20	29.67	-9.47
				54	16.45	23.67	-7.22	3.70	20.15	29.67	-9.52
				56	15.44	23.67	-8.23	3.70	19.14	29.67	-10.53
5755	151	AVG	242	61	15.75	30.00	-14.25	4.70	20.45	-	-
				62	15.75	30.00	-14.25	4.70	20.45	-	-
5795	159	AVG	242	61	15.75	30.00	-14.25	4.70	20.45	-	-
				61	15.75	30.00	-14.25	4.70	20.45	-	-

Table 7-20. SISO CORE 0 40MHz BW (UNII) Maximum Conducted Output Power (RU242)

Freq [MHz]	Channel	Detector	RU Size	RU Index	Conducted Powers [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5210	42	AVG	484	65	13.25	-	-	3.20	2.10	22.74	-20.64
				66	13.19	-	-	3.20	2.10	22.74	-20.64
5290	58	AVG	484	65	11.50	23.71	-12.21	2.50	1.30	29.71	-28.41
				66	11.50	23.71	-12.21	2.50	1.30	29.71	-28.41
5530	106	AVG	484	65	11.50	23.67	-12.17	2.20	3.70	29.67	-25.97
				66	11.41	23.67	-12.26	2.20	3.70	29.67	-25.97
5690	138	AVG	106	53	15.47	23.67	-8.20	2.20	3.70	29.67	-25.97
				56	15.48	23.67	-8.19	2.20	3.70	29.67	-25.97
				60	15.42	23.67	-8.25	2.20	3.70	29.67	-25.97
5775	155	AVG	484	65	15.75	30.00	-14.25	3.40	4.70	-	-
				66	15.71	30.00	-14.29	3.40	4.70	-	-

Table 7-21. SISO CORE 0 80MHz BW (UNII) Maximum Conducted Output Power (RU484)

FCC SISO Core 0 Conducted Output Power Measurements (Full RU)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm] RU Index 61	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5180	36	AVG	242	16.00	23.98	-7.98
5200	40	AVG	242	17.44	23.98	-6.54
5240	48	AVG	242	17.50	23.98	-6.48
5260	52	AVG	242	16.43	23.71	-7.28
5280	56	AVG	242	16.43	23.71	-7.28
5320	64	AVG	242	14.44	23.71	-9.27
5500	100	AVG	242	15.25	23.67	-8.42
5520	104	AVG	242	15.47	23.67	-8.20
5580	116	AVG	242	15.50	23.67	-8.17
5680	136	AVG	242	15.46	23.67	-8.21
5700	140	AVG	242	11.41	23.67	-12.26
5720	144	AVG	242	15.43	23.67	-8.24
5745	149	AVG	242	15.53	30.00	-14.47
5785	157	AVG	242	15.51	30.00	-14.49
5825	165	AVG	242	15.56	30.00	-14.44

Table 7-22. SISO CORE 0 20MHz BW (UNII) Maximum Conducted Output Power (RU242)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm] RU Index 65	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5190	38	AVG	484	14.25	23.98	-9.73
5230	46	AVG	484	17.50	23.98	-6.48
5270	54	AVG	484	16.37	23.71	-7.34
5310	62	AVG	484	12.37	23.71	-11.34
5510	102	AVG	484	12.50	23.67	-11.17
5550	110	AVG	484	15.50	23.67	-8.17
5670	134	AVG	484	14.50	23.67	-9.17
5710	142	AVG	484	15.49	23.67	-8.18
5755	151	AVG	484	15.64	30.00	-14.36
5795	159	AVG	484	15.75	30.00	-14.25

Table 7-23. SISO CORE 0 40MHz BW (UNII) Maximum Conducted Output Power (RU484)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm] RU Index 67	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5210	42	AVG	996	13.25	23.98	-10.73
5290	58	AVG	996	11.33	23.71	-12.38
5530	106	AVG	996	11.30	23.67	-12.37
5690	138	AVG	996	15.41	23.67	-8.26
5775	155	AVG	996	15.60	30.00	-14.40

Table 7-24. SISO CORE 0 80MHz BW (UNII) Maximum Conducted Output Power (RU996)

ISED SISO Core 0 Conducted Output Power Measurements (Full RU)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm] RU Index 61	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5180	36	AVG	242	16.00	-	-	2.10	18.10	22.74	-4.64
5200	40	AVG	242	15.87	-	-	2.10	17.97	22.74	-4.77
5240	48	AVG	242	15.95	-	-	2.10	18.05	22.74	-4.69
5260	52	AVG	242	16.43	23.71	-7.28	1.30	17.73	29.71	-11.98
5280	56	AVG	242	16.43	23.71	-7.28	1.30	17.73	29.71	-11.98
5320	64	AVG	242	14.44	23.71	-9.27	1.30	15.74	29.71	-13.97
5500	100	AVG	242	15.25	23.67	-8.42	3.70	18.95	29.67	-10.72
5520	104	AVG	242	15.47	23.67	-8.20	3.70	19.17	29.67	-10.50
5580	116	AVG	242	15.50	23.67	-8.17	3.70	19.20	29.67	-10.47
5680	136	AVG	242	15.46	23.67	-8.21	3.70	19.16	29.67	-10.51
5700	140	AVG	242	11.41	23.67	-12.26	3.70	15.11	29.67	-14.56
5720	144	AVG	242	15.43	23.67	-8.24	3.70	19.13	29.67	-10.54
5745	149	AVG	242	15.53	30.00	-14.47	4.70	20.23	-	-
5785	157	AVG	242	15.51	30.00	-14.49	4.70	20.21	-	-
5825	165	AVG	242	15.56	30.00	-14.44	4.70	20.26	-	-

Table 7-25. SISO CORE 0 20MHz BW (UNII) Maximum Conducted Output Power (RU242)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm] RU Index 65	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5190	38	AVG	484	14.25	-	-	2.10	16.35	22.74	-6.39
5230	46	AVG	484	17.50	-	-	2.10	19.60	22.74	-3.14
5270	54	AVG	484	16.37	23.71	-7.34	1.30	17.67	29.71	-12.04
5310	62	AVG	484	12.37	23.71	-11.34	1.30	13.67	29.71	-16.04
5510	102	AVG	484	12.50	23.67	-11.17	3.70	16.20	29.67	-13.47
5550	110	AVG	484	15.50	23.67	-8.17	3.70	19.20	29.67	-10.47
5670	134	AVG	484	14.50	23.67	-9.17	3.70	18.20	29.67	-11.47
5710	142	AVG	484	15.49	23.67	-8.18	3.70	19.19	29.67	-10.48
5755	151	AVG	484	15.64	30.00	-14.36	4.70	20.34	-	-
5795	159	AVG	484	15.75	30.00	-14.25	4.70	20.45	-	-

Table 7-26. SISO CORE 0 40MHz BW (UNII) Maximum Conducted Output Power (RU484)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm] RU Index 67	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5210	42	AVG	996	13.25	-	-	2.10	15.35	22.74	-7.39
5290	58	AVG	996	11.33	23.71	-12.38	1.30	12.63	29.71	-17.08
5530	106	AVG	996	11.30	23.67	-12.37	3.70	15.00	29.67	-14.67
5690	138	AVG	996	15.41	23.67	-8.26	3.70	19.11	29.67	-10.56
5775	155	AVG	996	15.60	30.00	-14.40	4.70	20.30	-	-

Table 7-27. SISO CORE 0 80MHz BW (UNII) Maximum Conducted Output Power (RU996)

FCC SISO Core 1 Conducted Output Power Measurements (RU26)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				RU Index				
				0	4	8		
5180	36	AVG	26	10.57	10.89	10.66	23.98	-13.09
5200	40	AVG	26	10.69	11.00	10.96	23.98	-12.98
5240	48	AVG	26	10.59	10.86	10.77	23.98	-13.12
5260	52	AVG	26	10.51	10.86	10.76	23.71	-12.85
5300	60	AVG	26	10.79	11.00	11.00	23.71	-12.71
5320	64	AVG	26	10.81	11.00	11.00	23.71	-12.71
5500	100	AVG	26	10.72	11.00	10.91	23.67	-12.67
5520	104	AVG	26	10.61	11.00	10.93	23.67	-12.67
5580	116	AVG	26	10.74	11.00	10.76	23.67	-12.67
5680	136	AVG	26	10.82	11.00	11.00	23.67	-12.67
5700	140	AVG	26	10.57	10.89	10.77	23.67	-12.78
5720	144	AVG	26	10.88	10.88	11.00	23.67	-12.67
5745	149	AVG	26	15.78	16.00	15.88	30.00	-14.00
5785	157	AVG	26	15.65	15.89	15.91	30.00	-14.09
5825	165	AVG	26	15.73	16.00	15.78	30.00	-14.00

Table 7-28. SISO CORE 1 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				RU Index				
				0	8	17		
5190	38	AVG	26	10.48	11.00	10.58	23.98	-12.98
5230	46	AVG	26	11.00	10.94	11.00	23.98	-12.98
5270	54	AVG	26	10.66	10.96	10.83	23.71	-12.75
5310	62	AVG	26	10.64	10.99	11.00	23.71	-12.71
5510	102	AVG	26	10.73	10.94	10.93	23.67	-12.73
5550	110	AVG	26	10.78	10.99	11.00	23.67	-12.67
5670	134	AVG	26	10.85	10.85	11.00	23.67	-12.67
5710	142	AVG	26	10.58	10.66	10.91	23.67	-12.76
5755	151	AVG	26	15.93	15.81	16.00	30.00	-14.00
5795	159	AVG	26	15.78	15.96	15.95	30.00	-14.04

Table 7-29. SISO CORE 1 40MHz BW (UNII) Maximum Conducted Output Power (RU26)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				RU Index				
				0	18	36		
5210	42	AVG	26	10.41	10.91	10.28	23.98	-13.07
5290	58	AVG	26	10.63	10.90	10.74	23.71	-12.81
5530	106	AVG	26	10.46	11.00	10.71	23.67	-12.67
5690	138	AVG	26	10.28	11.00	10.31	23.67	-12.67
5775	155	AVG	26	15.70	15.86	15.75	30.00	-14.14

Table 7-30. SISO CORE 1 80MHz BW (UNII) Maximum Conducted Output Power (RU26)

ISED SISO Core 1 Conducted Output Power Measurements (RU26)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				RU Index								
				0	4	8						
5180	36	AVG	26	6.62	7.00	6.97	-	-	-0.20	6.80	22.74	-15.94
5200	40	AVG	26	6.95	7.00	7.00	-	-	-0.20	6.80	22.74	-15.94
5240	48	AVG	26	6.90	7.00	7.00	-	-	-0.20	6.80	22.74	-15.94
5260	52	AVG	26	10.51	10.86	10.76	23.71	-12.85	0.20	11.06	29.71	-18.65
5300	60	AVG	26	10.79	11.00	11.00	23.71	-12.71	0.20	11.20	29.71	-18.51
5320	64	AVG	26	10.81	11.00	11.00	23.71	-12.71	0.20	11.20	29.71	-18.51
5500	100	AVG	26	10.72	11.00	10.91	23.67	-12.67	2.30	13.30	29.67	-16.37
5520	104	AVG	26	10.61	11.00	10.93	23.67	-12.67	2.30	13.30	29.67	-16.37
5580	116	AVG	26	10.74	11.00	10.76	23.67	-12.67	2.30	13.30	29.67	-16.37
5680	136	AVG	26	10.82	11.00	11.00	23.67	-12.67	2.30	13.30	29.67	-16.37
5700	140	AVG	26	10.57	10.89	10.77	23.67	-12.78	2.30	13.19	29.67	-16.48
5720	144	AVG	26	10.88	10.88	11.00	23.67	-12.67	2.30	13.30	29.67	-16.37
5745	149	AVG	26	15.78	16.00	15.88	30.00	-14.00	2.80	18.80	-	-
5785	157	AVG	26	15.65	15.89	15.91	30.00	-14.09	2.80	18.71	-	-
5825	165	AVG	26	15.73	16.00	15.78	30.00	-14.00	2.80	18.80	-	-

Table 7-31. SISO CORE 1 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				RU Index								
				0	8	17						
5190	38	AVG	26	6.45	7.00	6.61	-	-	-0.20	6.80	22.74	-15.94
5230	46	AVG	26	6.93	7.00	7.00	-	-	-0.20	6.80	22.74	-15.94
5270	54	AVG	26	10.66	10.96	10.83	23.71	-12.75	0.20	11.16	29.71	-18.55
5310	62	AVG	26	10.64	10.99	11.00	23.71	-12.71	0.20	11.20	29.71	-18.51
5510	102	AVG	26	10.73	10.94	10.93	23.67	-12.73	2.30	13.24	29.67	-16.43
5550	110	AVG	26	10.78	10.99	11.00	23.67	-12.67	2.30	13.30	29.67	-16.37
5670	134	AVG	26	10.85	10.85	11.00	23.67	-12.67	2.30	13.30	29.67	-16.37
5710	142	AVG	26	10.58	10.66	10.91	23.67	-12.76	2.30	13.21	29.67	-16.46
5755	151	AVG	26	15.93	15.81	16.00	30.00	-14.00	2.80	18.80	-	-
5795	159	AVG	26	15.78	15.96	15.95	30.00	-14.04	2.80	18.76	-	-

Table 7-32. SISO CORE 1 40MHz BW (UNII) Maximum Conducted Output Power (RU26)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				RU Index								
				0	18	36						
5210	42	AVG	26	6.72	7.00	6.85	-	-	-0.20	6.80	22.74	-15.94
5290	58	AVG	26	10.63	10.90	10.74	23.71	-12.81	0.20	11.10	29.71	-18.61
5530	106	AVG	26	10.46	11.00	10.71	23.67	-12.67	2.30	13.30	29.67	-16.37
5690	138	AVG	26	10.28	11.00	10.31	23.67	-12.67	2.30	13.30	29.67	-16.37
5775	155	AVG	26	15.70	15.86	15.75	30.00	-14.14	2.80	18.66	-	-

Table 7-33. SISO CORE 1 80MHz BW (UNII) Maximum Conducted Output Power (RU26)

FCC SISO Core 1 Conducted Output Power Measurements (Highest Partial RU)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				RU Index			
				53	54		
5180	36	AVG	106	15.95	16.00	23.98	-7.98
5200	40	AVG	106	16.95	16.96	23.98	-7.02
5240	48	AVG	106	16.99	17.00	23.98	-6.98
5260	52	AVG	106	16.27	16.44	23.71	-7.27
5300	60	AVG	106	16.36	16.50	23.71	-7.21
5320	64	AVG	106	14.32	14.44	23.71	-9.27
5500	100	AVG	106	15.10	15.25	23.67	-8.42
5520	104	AVG	106	16.41	16.50	23.67	-7.17
5580	116	AVG	106	16.50	16.46	23.67	-7.17
5680	136	AVG	106	16.50	16.50	23.67	-7.17
5700	140	AVG	106	11.38	11.50	23.67	-12.17
5720	144	AVG	106	16.44	16.50	23.67	-7.17
5745	149	AVG	106	15.83	15.99	30.00	-14.01
5785	157	AVG	106	15.94	16.00	30.00	-14.00
5825	165	AVG	106	15.97	16.00	30.00	-14.00

Table 7-34. SISO CORE 1 20MHz BW (UNII) Maximum Conducted Output Power (RU106)

Freq [MHz]	Channel	Detector	RU Size	RU Index	Conducted Powers [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5190	38	AVG	242	61	14.19	23.98	-9.79
				62	14.25	23.98	-9.73
5230	46	AVG	242	61	16.83	23.98	-7.15
				62	17.00	23.98	-6.98
5270	54	AVG	242	61	16.36	23.71	-7.35
				62	16.46	23.71	-7.25
5310	62	AVG	242	61	12.32	23.71	-11.39
				62	12.49	23.71	-11.22
5510	102	AVG	242	61	12.50	23.67	-11.17
				62	12.50	23.67	-11.17
5550	110	AVG	242	61	16.50	23.67	-7.17
				62	16.50	23.67	-7.17
5670	134	AVG	242	61	14.50	23.67	-9.17
				62	14.50	23.67	-9.17
5710	142	AVG	106	53	16.17	23.67	-7.50
				54	16.38	23.67	-7.29
				56	16.32	23.67	-7.35
5755	151	AVG	242	61	16.00	30.00	-14.00
				62	16.00	30.00	-14.00
5795	159	AVG	242	61	16.00	30.00	-14.00
				61	16.00	30.00	-14.00

Table 7-35. SISO CORE 1 40MHz BW (UNII) Maximum Conducted Output Power (RU242)

Freq [MHz]	Channel	Detector	RU Size	RU Index	Conducted Powers [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5210	42	AVG	484	65	13.25	23.98	-10.73
				66	13.25	23.98	-10.73
5290	58	AVG	484	65	11.50	23.71	-12.21
				66	11.50	23.71	-12.21
5530	106	AVG	484	65	11.43	23.67	-12.24
				66	11.50	23.67	-12.17
5690	138	AVG	106	53	16.06	23.67	-7.61
				56	16.32	23.67	-7.35
				60	16.01	23.67	-7.66
5775	155	AVG	484	65	15.90	30.00	-14.10
				66	16.00	30.00	-14.00

Table 7-36. SISO CORE 1 80MHz BW (UNII) Maximum Conducted Output Power (RU484)

ISED SISO Core 1 Conducted Output Power Measurements (Highest Partial RU)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm]		Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
				RU Index							
				53	54						
5180	36	AVG	106	12.79	13.00	-	-	-0.20	12.80	22.74	-9.94
5200	40	AVG	106	12.98	13.00	-	-	-0.20	12.80	22.74	-9.94
5240	48	AVG	106	13.00	13.00	-	-	-0.20	12.80	22.74	-9.94
5260	52	AVG	106	16.27	16.44	23.71	-7.27	0.20	16.64	29.71	-13.07
5300	60	AVG	106	16.36	16.50	23.71	-7.21	0.20	16.70	29.71	-13.01
5320	64	AVG	106	14.32	14.44	23.71	-9.27	0.20	14.64	29.71	-15.07
5500	100	AVG	106	15.10	15.25	23.67	-8.42	2.30	17.55	29.67	-12.12
5520	104	AVG	106	16.41	16.50	23.67	-7.17	2.30	18.80	29.67	-10.87
5580	116	AVG	106	16.50	16.46	23.67	-7.17	2.30	18.80	29.67	-10.87
5680	136	AVG	106	16.50	16.50	23.67	-7.17	2.30	18.80	29.67	-10.87
5700	140	AVG	106	11.38	11.50	23.67	-12.17	2.30	13.80	29.67	-15.87
5720	144	AVG	106	16.44	16.50	23.67	-7.17	2.30	18.80	29.67	-10.87
5745	149	AVG	106	15.83	15.99	30.00	-14.01	2.80	18.79	-	-
5785	157	AVG	106	15.94	16.00	30.00	-14.00	2.80	18.80	-	-
5825	165	AVG	106	15.97	16.00	30.00	-14.00	2.80	18.80	-	-

Table 7-37. SISO CORE 1 20MHz BW (UNII) Maximum Conducted Output Power (RU106)

Freq [MHz]	Channel	Detector	RU Size	RU Index	Conducted Powers [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5190	38	AVG	242	61	14.19	-	-	-0.20	13.99	22.74	-8.75
				62	14.25	-	-	-0.20	14.05	22.74	-8.69
5230	46	AVG	242	61	16.83	-	-	-0.20	16.63	22.74	-6.11
				62	17.00	-	-	-0.20	16.80	22.74	-5.94
5270	54	AVG	242	61	16.36	23.71	-7.35	0.20	16.56	29.71	-13.15
				62	16.46	23.71	-7.25	0.20	16.66	29.71	-13.05
5310	62	AVG	242	61	12.32	23.71	-11.39	0.20	12.52	29.71	-17.19
				62	12.49	23.71	-11.22	0.20	12.69	29.71	-17.02
5510	102	AVG	242	61	12.50	23.67	-11.17	2.30	14.80	29.67	-14.87
				62	12.50	23.67	-11.17	2.30	14.80	29.67	-14.87
5550	110	AVG	242	61	16.50	23.67	-7.17	2.30	18.80	29.67	-10.87
				62	16.50	23.67	-7.17	2.30	18.80	29.67	-10.87
5670	134	AVG	242	61	14.50	23.67	-9.17	2.30	16.80	29.67	-12.87
				62	14.50	23.67	-9.17	2.30	16.80	29.67	-12.87
5710	142	AVG	106	53	16.17	23.67	-7.50	2.30	18.47	29.67	-11.20
				54	16.38	23.67	-7.29	2.30	18.68	29.67	-10.99
				56	16.32	23.67	-7.35	2.30	18.62	29.67	-11.05
5755	151	AVG	242	61	16.00	30.00	-14.00	2.80	18.80	-	-
				62	16.00	30.00	-14.00	2.80	18.80	-	-
5795	159	AVG	242	61	16.00	30.00	-14.00	2.80	18.80	-	-
				61	16.00	30.00	-14.00	2.80	18.80	-	-

Table 7-38. SISO CORE 1 40MHz BW (UNII) Maximum Conducted Output Power (RU242)

Freq [MHz]	Channel	Detector	RU Size	RU Index	Conducted Powers [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5210	42	AVG	484	65	13.25	-	-	-0.20	13.05	22.74	-9.69
				66	13.25	-	-	-0.20	13.05	22.74	-9.69
5290	58	AVG	484	65	11.50	23.71	-12.21	0.20	11.70	29.71	-18.01
				66	11.50	23.71	-12.21	0.20	11.70	29.71	-18.01
5530	106	AVG	484	65	11.43	23.67	-12.24	2.30	13.73	29.67	-15.94
				66	11.50	23.67	-12.17	2.30	13.80	29.67	-15.87
5690	138	AVG	106	53	16.06	23.67	-7.61	2.30	18.36	29.67	-11.31
				56	16.32	23.67	-7.35	2.30	18.62	29.67	-11.05
				60	16.01	23.67	-7.66	2.30	18.31	29.67	-11.36
5775	155	AVG	484	65	15.90	30.00	-14.10	2.80	18.70	-	-
				66	16.00	30.00	-14.00	2.80	18.80	-	-

Table 7-39. SISO CORE 1 80MHz BW (UNII) Maximum Conducted Output Power (RU484)

FCC SISO Core 1 Conducted Output Power Measurements (Full RU)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm] RU Index 61	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5180	36	AVG	242	15.95	23.98	-8.03
5200	40	AVG	242	16.99	23.98	-6.99
5240	48	AVG	242	16.97	23.98	-7.01
5260	52	AVG	242	16.50	23.71	-7.21
5280	56	AVG	242	16.50	23.71	-7.21
5320	64	AVG	242	14.44	23.71	-9.27
5500	100	AVG	242	15.23	23.67	-8.44
5520	104	AVG	242	16.33	23.67	-7.34
5580	116	AVG	242	16.50	23.67	-7.17
5680	136	AVG	242	16.49	23.67	-7.18
5700	140	AVG	242	11.50	23.67	-12.17
5720	144	AVG	242	16.50	23.67	-7.17
5745	149	AVG	242	16.00	30.00	-14.00
5785	157	AVG	242	15.98	30.00	-14.02
5825	165	AVG	242	16.00	30.00	-14.00

Table 7-40. SISO CORE 1 20MHz BW (UNII) Maximum Conducted Output Power (RU242)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm] RU Index 65	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5190	38	AVG	484	14.25	23.98	-9.73
5230	46	AVG	484	17.00	23.98	-6.98
5270	54	AVG	484	16.45	23.71	-7.26
5310	62	AVG	484	12.35	23.71	-11.36
5510	102	AVG	484	12.41	23.67	-11.26
5550	110	AVG	484	16.48	23.67	-7.19
5670	134	AVG	484	14.50	23.67	-9.17
5710	142	AVG	484	16.50	23.67	-7.17
5755	151	AVG	484	16.00	30.00	-14.00
5795	159	AVG	484	15.82	30.00	-14.18

Table 7-41. SISO CORE 1 40MHz BW (UNII) Maximum Conducted Output Power (RU484)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm] RU Index 67	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5210	42	AVG	996	13.25	23.98	-10.73
5290	58	AVG	996	11.50	23.71	-12.21
5530	106	AVG	996	11.50	23.67	-12.17
5690	138	AVG	996	16.49	23.67	-7.18
5775	155	AVG	996	16.00	30.00	-14.00

Table 7-42. SISO CORE 1 80MHz BW (UNII) Maximum Conducted Output Power (RU996)

ISED SISO Core 1 Conducted Output Power Measurements (Full RU)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm] RU Index 61	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5180	36	AVG	242	15.95	-	-	-0.20	15.75	22.74	-6.99
5200	40	AVG	242	15.99	-	-	-0.20	15.79	22.74	-6.95
5240	48	AVG	242	15.97	-	-	-0.20	15.77	22.74	-6.97
5260	52	AVG	242	16.50	23.71	-7.21	0.20	16.70	29.71	-13.01
5280	56	AVG	242	16.50	23.71	-7.21	0.20	16.70	29.71	-13.01
5320	64	AVG	242	14.44	23.71	-9.27	0.20	14.64	29.71	-15.07
5500	100	AVG	242	15.23	23.67	-8.44	2.30	17.53	29.67	-12.14
5520	104	AVG	242	16.33	23.67	-7.34	2.30	18.63	29.67	-11.04
5580	116	AVG	242	16.50	23.67	-7.17	2.30	18.80	29.67	-10.87
5680	136	AVG	242	16.49	23.67	-7.18	2.30	18.79	29.67	-10.88
5700	140	AVG	242	11.50	23.67	-12.17	2.30	13.80	29.67	-15.87
5720	144	AVG	242	16.50	23.67	-7.17	2.30	18.80	29.67	-10.87
5745	149	AVG	242	16.00	30.00	-14.00	2.80	18.80	-	-
5785	157	AVG	242	15.98	30.00	-14.02	2.80	18.78	-	-
5825	165	AVG	242	16.00	30.00	-14.00	2.80	18.80	-	-

Table 7-43. SISO CORE 1 20MHz BW (UNII) Maximum Conducted Output Power (RU242)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm] RU Index 65	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5190	38	AVG	484	14.25	-	-	-0.20	14.05	22.74	-8.69
5230	46	AVG	484	17.00	-	-	-0.20	16.80	22.74	-5.94
5270	54	AVG	484	16.45	23.71	-7.26	0.20	16.65	29.71	-13.06
5310	62	AVG	484	12.35	23.71	-11.36	0.20	12.55	29.71	-17.16
5510	102	AVG	484	12.41	23.67	-11.26	2.30	14.71	29.67	-14.96
5550	110	AVG	484	16.48	23.67	-7.19	2.30	18.78	29.67	-10.89
5670	134	AVG	484	14.50	23.67	-9.17	2.30	16.80	29.67	-12.87
5710	142	AVG	484	16.50	23.67	-7.17	2.30	18.80	29.67	-10.87
5755	151	AVG	484	16.00	30.00	-14.00	2.80	18.80	-	-
5795	159	AVG	484	15.82	30.00	-14.18	2.80	18.62	-	-

Table 7-44. SISO CORE 1 40MHz BW (UNII) Maximum Conducted Output Power (RU484)

Freq [MHz]	Channel	Detector	RU Size	Conducted Power [dBm] RU Index 67	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5210	42	AVG	996	13.25	-	-	-0.20	13.05	22.74	-9.69
5290	58	AVG	996	11.50	23.71	-12.21	0.20	11.70	29.71	-18.01
5530	106	AVG	996	11.50	23.67	-12.17	2.30	13.80	29.67	-15.87
5690	138	AVG	996	16.49	23.67	-7.18	2.30	18.79	29.67	-10.88
5775	155	AVG	996	16.00	30.00	-14.00	2.80	18.80	-	-

Table 7-45. SISO CORE 1 80MHz BW (UNII) Maximum Conducted Output Power (RU996)

FCC CDD/SDM Conducted Output Power Measurements (RU26)

Freq [MHz]	Channel	Mode	Detector	RU Size	Conducted Power [dBm]									Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index										
					0			4			8				
					Core 0	Core 1	Summed	Core 0	Core 1	Summed	Core 0	Core 1	Summed		
5180	36	CDD	AVG	26	7.94	8.00	10.98	8.00	8.00	11.01	8.00	7.99	11.01	23.98	-12.97
5200	40	CDD	AVG	26	8.00	7.97	11.00	7.99	8.00	11.01	8.00	7.91	10.97	23.98	-12.97
5240	48	CDD	AVG	26	7.95	8.00	10.99	8.00	7.68	10.85	7.99	7.89	10.95	23.98	-12.99
5260	52	CDD	AVG	26	7.92	8.00	10.97	7.98	8.00	11.00	8.00	7.91	10.97	23.71	-12.71
5300	60	CDD	AVG	26	7.91	7.94	10.94	7.88	8.00	10.95	7.94	7.97	10.97	23.71	-12.74
5320	64	CDD	AVG	26	7.97	7.93	10.96	7.88	7.96	10.93	7.98	7.92	10.96	23.71	-12.75
5500	100	SDM	AVG	26	7.85	7.71	10.79	7.96	8.00	10.99	7.88	8.00	10.95	23.67	-12.68
5520	104	SDM	AVG	26	7.67	7.73	10.71	8.00	7.92	10.97	7.85	8.00	10.94	23.67	-12.70
5580	116	SDM	AVG	26	7.87	7.72	10.81	7.95	7.78	10.88	7.95	7.98	10.98	23.67	-12.69
5680	136	SDM	AVG	26	7.88	7.78	10.84	7.83	8.00	10.93	8.00	7.99	11.01	23.67	-12.66
5700	140	SDM	AVG	26	7.75	7.66	10.72	8.00	7.89	10.96	7.85	7.90	10.89	23.67	-12.71
5720	144	SDM	AVG	26	7.76	7.79	10.79	8.00	8.00	11.01	7.86	7.81	10.85	23.67	-12.66
5745	149	CDD	AVG	26	15.75	16.00	18.89	15.36	15.93	18.66	15.34	15.93	18.66	30.00	-11.11
5785	157	CDD	AVG	26	15.75	16.00	18.89	15.50	15.95	18.74	15.50	15.86	18.69	30.00	-11.11
5825	165	CDD	AVG	26	15.75	16.00	18.89	15.50	16.00	18.77	15.37	15.83	18.62	30.00	-11.11

Table 7-46. CDD/SDM 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

Freq [MHz]	Channel	Mode	Detector	RU Size	Conducted Power [dBm]									Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index										
					0			8			17				
					Core 0	Core 1	Summed	Core 0	Core 1	Summed	Core 0	Core 1	Summed		
5190	38	CDD	AVG	26	6.92	7.17	10.06	7.92	7.86	10.90	7.43	7.56	10.51	23.98	-13.08
5230	46	CDD	AVG	26	7.42	7.91	10.68	7.00	7.97	10.52	8.00	8.00	11.01	23.98	-12.97
5270	54	CDD	AVG	26	7.52	7.60	10.57	7.91	7.75	10.84	7.86	8.00	10.94	23.71	-12.77
5310	62	CDD	AVG	26	7.17	7.46	10.33	7.74	7.73	10.75	7.81	7.91	10.87	23.71	-12.84
5510	102	SDM	AVG	26	8.00	8.00	11.01	8.00	7.99	11.01	7.90	8.00	10.96	23.67	-12.66
5550	110	SDM	AVG	26	8.00	7.60	10.81	8.00	8.00	11.01	8.00	8.00	11.01	23.67	-12.66
5670	134	SDM	AVG	26	8.00	7.73	10.88	7.90	7.95	10.94	8.00	7.99	11.01	23.67	-12.66
5710	142	SDM	AVG	26	8.00	8.00	11.01	7.93	8.00	10.98	7.98	7.95	10.98	23.67	-12.66
5755	151	CDD	AVG	26	15.74	15.94	18.85	15.75	15.84	18.81	15.75	16.00	18.89	30.00	-11.11
5795	159	CDD	AVG	26	15.75	15.94	18.86	15.75	15.93	18.85	15.75	15.87	18.82	30.00	-11.14

Table 7-47. CDD/SDM 40MHz BW (UNII) Maximum Conducted Output Power (RU26)

Freq [MHz]	Channel	Mode	Detector	RU Size	Conducted Power [dBm]									Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index										
					0			18			36				
					Core 0	Core 1	Summed	Core 0	Core 1	Summed	Core 0	Core 1	Summed		
5210	42	CDD	AVG	26	8.00	7.90	10.96	7.95	8.00	10.99	7.51	7.65	10.59	23.98	-12.99
5290	58	CDD	AVG	26	8.00	8.00	11.01	8.00	7.82	10.92	7.78	7.46	10.63	23.71	-12.70
5530	106	SDM	AVG	26	8.00	7.65	10.84	8.00	8.00	11.01	8.00	7.96	10.99	23.67	-12.66
5690	138	SDM	AVG	26	8.00	7.61	10.82	8.00	8.00	11.01	7.89	7.84	10.88	23.67	-12.66
5775	155	CDD	AVG	26	13.90	13.72	16.82	14.00	13.96	16.99	13.60	13.58	16.60	30.00	-13.01

Table 7-48. CDD/SDM 80MHz BW (UNII) Maximum Conducted Output Power (RU26)

ISED CDD/SDM Conducted Output Power Measurements (RU26)

Freq [MHz]	Channel	Mode	Detector	RU Size	Conducted Power [dBm]									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					RU Index														
					0			4			8								
					Core 0	Core 1	Summed	Core 0	Core 1	Summed	Core 0	Core 1	Summed						
5180	36	CDD	AVG	26	2.00	1.93	4.98	1.88	2.00	4.95	2.00	1.99	5.01	-	-	4.04	9.04	22.74	-13.70
5200	40	CDD	AVG	26	2.00	2.00	5.01	1.99	2.00	5.01	2.00	1.91	4.97	-	-	4.04	9.05	22.74	-13.70
5240	48	CDD	AVG	26	2.00	2.00	5.01	2.00	2.00	5.01	1.99	1.89	4.95	-	-	4.04	9.05	22.74	-13.70
5260	52	CDD	AVG	26	7.92	8.00	10.97	7.98	8.00	11.00	8.00	7.91	10.97	23.71	-12.71	3.78	14.78	29.71	-14.93
5300	60	CDD	AVG	26	7.91	7.94	10.94	7.88	8.00	10.95	7.94	7.97	10.97	23.71	-12.74	3.78	14.74	29.71	-14.96
5320	64	CDD	AVG	26	7.97	7.93	10.96	7.88	7.96	10.93	7.98	7.92	10.96	23.71	-12.75	3.78	14.74	29.71	-14.97
5500	100	SDM	AVG	26	7.85	7.71	10.79	7.96	8.00	10.99	7.88	8.00	10.95	23.67	-12.68	3.06	14.05	29.67	-15.62
5520	104	SDM	AVG	26	7.67	7.73	10.71	8.00	7.92	10.97	7.85	8.00	10.94	23.67	-12.70	3.06	14.03	29.67	-15.64
5580	116	SDM	AVG	26	7.87	7.72	10.81	7.95	7.78	10.88	7.95	7.98	10.98	23.67	-12.69	3.06	14.03	29.67	-15.64
5680	136	SDM	AVG	26	7.88	7.78	10.84	7.83	8.00	10.93	8.00	7.99	11.01	23.67	-12.66	3.06	14.06	29.67	-15.61
5700	140	SDM	AVG	26	7.75	7.66	10.72	8.00	7.89	10.96	7.85	7.90	10.89	23.67	-12.71	3.06	14.01	29.67	-15.66
5720	144	SDM	AVG	26	7.76	7.79	10.79	8.00	8.00	11.01	7.86	7.81	10.85	23.67	-12.66	3.06	14.07	29.67	-15.60
5745	149	CDD	AVG	26	15.75	16.00	18.89	15.36	15.93	18.66	15.34	15.93	18.66	30.00	-11.11	6.81	25.70	-	-
5785	157	CDD	AVG	26	15.75	16.00	18.89	15.50	15.95	18.74	15.50	15.86	18.69	30.00	-11.11	6.81	25.70	-	-
5825	165	CDD	AVG	26	15.75	16.00	18.89	15.50	16.00	18.77	15.37	15.83	18.62	30.00	-11.11	6.81	25.70	-	-

Table 7-49. CDD/SDM 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

Freq [MHz]	Channel	Mode	Detector	RU Size	Conducted Power [dBm]									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					RU Index														
					0			8			17								
					Core 0	Core 1	Summed	Core 0	Core 1	Summed	Core 0	Core 1	Summed						
5190	38	CDD	AVG	26	3.70	4.09	6.91	4.50	4.50	7.51	4.12	4.44	7.29	-	-	4.04	11.55	22.74	-11.20
5230	46	CDD	AVG	26	3.75	4.48	7.14	4.21	4.42	7.33	4.50	4.50	7.51	-	-	4.04	11.55	22.74	-11.20
5270	54	CDD	AVG	26	7.52	7.60	10.57	7.91	7.75	10.84	7.86	8.00	10.94	23.71	-12.77	3.78	14.72	29.71	-14.99
5310	62	CDD	AVG	26	7.17	7.46	10.33	7.74	7.73	10.75	7.81	7.91	10.87	23.71	-12.84	3.78	14.65	29.71	-15.06
5510	102	SDM	AVG	26	8.00	8.00	11.01	8.00	7.99	11.01	7.90	8.00	10.96	23.67	-12.66	3.06	14.07	29.67	-15.60
5550	110	SDM	AVG	26	8.00	7.60	10.81	8.00	8.00	11.01	8.00	8.00	11.01	23.67	-12.66	3.06	14.07	29.67	-15.60
5670	134	SDM	AVG	26	8.00	7.73	10.88	7.90	7.95	10.94	8.00	7.99	11.01	23.67	-12.66	3.06	14.06	29.67	-15.61
5710	142	SDM	AVG	26	8.00	8.00	11.01	7.93	8.00	10.98	7.98	7.95	10.98	23.67	-12.66	3.06	14.07	29.67	-15.60
5755	151	CDD	AVG	26	15.74	15.94	18.85	15.75	15.84	18.81	15.75	16.00	18.89	30.00	-11.11	6.81	25.70	-	-
5795	159	CDD	AVG	26	15.75	15.94	18.86	15.75	15.93	18.85	15.75	15.87	18.82	30.00	-11.14	6.81	25.67	-	-

Table 7-50. CDD/SDM 40MHz BW (UNII) Maximum Conducted Output Power (RU26)

Freq [MHz]	Channel	Mode	Detector	RU Size	Conducted Power [dBm]									Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					RU Index														
					0			18			36								
					Core 0	Core 1	Summed	Core 0	Core 1	Summed	Core 0	Core 1	Summed						
5210	42	CDD	AVG	26	4.50	4.37	7.45	4.45	4.50	7.49	4.06	4.20	7.14	-	-	4.04	11.52	22.74	-11.22
5290	58	CDD	AVG	26	8.00	8.00	11.01	8.00	7.82	10.92	7.78	7.46	10.63	23.71	-12.70	3.78	14.79	29.71	-14.92
5530	106	SDM	AVG	26	8.00	7.65	10.84	8.00	8.00	11.01	8.00	7.96	10.99	23.67	-12.66	3.06	14.07	29.67	-15.60
5690	138	SDM	AVG	26	8.00	7.61	10.82	8.00	8.00	11.01	7.89	7.84	10.88	23.67	-12.66	3.06	14.07	29.67	-15.60
5775	155	CDD	AVG	26	13.90	13.72	16.82	14.00	13.96	16.99	13.60	13.58	16.60	30.00	-13.01	6.81	23.80	-	-

Table 7-51. CDD/SDM 80MHz BW (UNII) Maximum Conducted Output Power (RU26)

FCC CDD/SDM Conducted Output Power Measurements (Highest Partial RU)

Freq [MHz]	Channel	Mode	Detector	RU Size	Conducted Power [dBm]						Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index							
					53			54				
					Core 0	Core 1	Summed	Core 0	Core 1	Summed		
5180	36	CDD	AVG	106	14.00	13.98	17.00	13.93	13.92	16.94	23.98	-6.98
5200	40	CDD	AVG	106	13.89	14.00	16.96	13.94	13.85	16.91	23.98	-7.02
5240	48	CDD	AVG	106	13.97	13.93	16.96	13.97	14.00	17.00	23.98	-6.98
5260	52	CDD	AVG	106	14.00	14.00	17.01	13.95	13.86	16.92	23.71	-6.70
5300	60	CDD	AVG	106	13.96	13.94	16.96	14.00	14.00	17.01	23.71	-6.70
5320	64	CDD	AVG	106	13.17	13.25	16.22	13.25	13.12	16.20	23.71	-7.49
5500	100	SDM	AVG	106	13.99	14.00	17.01	14.00	14.00	17.01	23.67	-6.66
5520	104	SDM	AVG	106	14.00	14.00	17.01	14.00	14.00	17.01	23.67	-6.66
5580	116	SDM	AVG	106	13.97	13.90	16.95	13.95	13.99	16.98	23.67	-6.69
5680	136	SDM	AVG	106	14.00	13.90	16.96	13.89	13.96	16.94	23.67	-6.71
5700	140	SDM	AVG	106	10.19	10.23	13.22	10.25	10.25	13.26	23.67	-10.41
5720	144	SDM	AVG	106	14.00	13.93	16.98	14.00	14.00	17.01	23.67	-6.66
5745	149	CDD	AVG	106	15.73	15.96	18.86	15.57	16.00	18.80	30.00	-11.14
5785	157	CDD	AVG	106	15.71	15.91	18.82	15.70	16.00	18.86	30.00	-11.14
5825	165	CDD	AVG	106	15.74	15.89	18.83	15.70	15.91	18.82	30.00	-11.17

Table 7-52. CDD/SDM 20MHz BW (UNII) Maximum Conducted Output Power (RU106)

Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
						Core 0	Core 1	Summed		
5190	38	CDD	AVG	242	61	13.25	13.25	16.26	23.98	-7.72
					62	13.04	13.25	16.16	23.98	-7.82
5230	46	CDD	AVG	242	61	17.00	16.84	19.93	23.98	-4.05
					62	17.00	17.00	20.01	23.98	-3.97
5270	54	CDD	AVG	242	61	16.50	16.45	19.49	23.71	-4.22
					62	16.50	16.46	19.49	23.71	-4.22
5310	62	CDD	AVG	106	53	11.24	11.25	14.26	23.71	-9.45
					54	11.19	11.23	14.22	23.71	-9.49
					56	11.21	11.25	14.24	23.71	-9.47
5510	102	CDD	AVG	242	61	11.00	11.00	14.01	23.67	-9.66
					62	10.93	11.00	13.98	23.67	-9.69
5550	110	CDD	AVG	242	61	15.33	15.80	18.58	23.67	-5.09
					62	15.50	15.93	18.73	23.67	-4.94
5670	134	CDD	AVG	242	61	13.34	13.42	16.39	23.67	-7.28
					62	13.49	13.39	16.45	23.67	-7.22
5710	142	SDM	AVG	106	53	14.00	14.00	17.01	23.67	-6.66
					54	13.98	13.83	16.92	23.67	-6.75
					56	13.96	14.00	16.99	23.67	-6.68
5755	151	CDD	AVG	242	61	15.74	15.85	18.81	30.00	-11.19
					62	15.73	15.93	18.84	30.00	-11.16
5795	159	CDD	AVG	242	61	15.75	15.91	18.84	30.00	-11.16
					62	15.75	16.00	18.89	30.00	-11.11

Table 7-53. CDD/SDM 40MHz BW (UNII) Maximum Conducted Output Power (RU242)

Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
						Core 0	Core 1	Summed		
5210	42	CDD	AVG	484	65	11.87	12.00	14.95	23.98	-9.03
					66	11.83	12.00	14.93	23.98	-9.05
5290	58	CDD	AVG	484	65	9.95	9.98	12.98	23.71	-10.73
					66	9.97	10.00	13.00	23.71	-10.71
5530	106	CDD	AVG	484	65	10.00	10.00	13.01	23.67	-10.66
					66	10.00	10.00	13.01	23.67	-10.66
5690	138	SDM	AVG	106	53	13.99	14.00	17.01	23.67	-6.66
					56	13.88	13.97	16.94	23.67	-6.73
					60	13.91	13.99	16.96	23.67	-6.71
5775	155	CDD	AVG	484	65	14.00	14.00	17.01	30.00	-12.99
					66	14.00	13.90	16.96	30.00	-13.04

Table 7-54. CDD/SDM 80MHz BW (UNII) Maximum Conducted Output Power (RU484)

ISED CDD/SDM Conducted Output Power Measurements (Highest Partial RU)

Freq [MHz]	Channel	Mode	Detector	RU Size	Conducted Power [dBm] RU Index 53 Core 0	53 Core 1	53 Summed	54 Core 0	54 Core 1	54 Summed	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5180	36	CDD	AVG	106	8.00	7.92	10.97	7.93	7.92	10.94	-	-	4.04	15.01	22.74	-7.73
5200	40	CDD	AVG	106	8.00	7.84	10.93	7.94	7.85	10.91	-	-	4.04	14.97	22.74	-7.77
5240	48	CDD	AVG	106	7.97	7.80	10.90	7.97	8.00	11.00	-	-	4.04	15.03	22.74	-7.71
5260	52	CDD	AVG	106	14.00	14.00	17.01	13.95	13.86	16.92	23.71	-6.70	3.78	20.79	29.71	-8.92
5300	60	CDD	AVG	106	13.96	13.94	16.96	14.00	14.00	17.01	23.71	-6.70	3.78	20.79	29.71	-8.92
5320	64	CDD	AVG	106	13.17	13.25	16.22	13.25	13.12	16.20	23.71	-7.49	3.78	20.00	29.71	-9.71
5500	100	SDM	AVG	106	13.99	14.00	17.01	14.00	14.00	17.01	23.67	-6.66	3.06	20.07	29.67	-9.60
5520	104	SDM	AVG	106	14.00	14.00	17.01	14.00	14.00	17.01	23.67	-6.66	3.06	20.07	29.67	-9.60
5580	116	SDM	AVG	106	13.97	13.90	16.95	13.95	13.99	16.98	23.67	-6.69	3.06	20.04	29.67	-9.63
5680	136	SDM	AVG	106	14.00	13.90	16.96	13.89	13.96	16.94	23.67	-6.71	3.06	20.02	29.67	-9.65
5700	140	SDM	AVG	106	10.19	10.23	13.22	10.25	10.25	13.26	23.67	-10.41	3.06	16.32	29.67	-13.35
5720	144	SDM	AVG	106	14.00	13.93	16.98	14.00	14.00	17.01	23.67	-6.66	3.06	20.07	29.67	-9.60
5745	149	CDD	AVG	106	15.73	15.96	18.86	15.57	16.00	18.80	30.00	-11.14	6.81	25.67	-	-
5785	157	CDD	AVG	106	15.71	15.91	18.82	15.70	16.00	18.86	30.00	-11.14	6.81	25.68	-	-
5825	165	CDD	AVG	106	15.74	15.89	18.83	15.70	15.91	18.82	30.00	-11.17	6.81	25.64	-	-

Table 7-55. CDD/SDM 20MHz BW (UNII) Maximum Conducted Output Power (RU106)

Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Conducted Powers [dBm] Core 0	Core 1	Summed	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5190	38	CDD	AVG	242	61	11.00	10.70	13.86	-	-	4.04	17.90	22.74	-4.84
					62	10.96	10.96	13.97	-	-	4.04	18.01	22.74	-4.74
5230	46	CDD	AVG	242	61	10.98	10.80	13.90	-	-	4.04	17.94	22.74	-4.80
					62	11.00	10.75	13.89	-	-	4.04	17.92	22.74	-4.82
5270	54	CDD	AVG	242	61	16.50	16.45	19.49	23.71	-4.22	3.78	23.26	29.71	-6.44
					62	16.50	16.46	19.49	23.71	-4.22	3.78	23.27	29.71	-6.44
5310	62	CDD	AVG	106	53	11.24	11.25	14.26	23.71	-9.45	3.78	18.03	29.71	-11.67
					54	11.19	11.23	14.22	23.71	-9.49	3.78	18.00	29.71	-11.71
					56	11.21	11.25	14.24	23.71	-9.47	5.12	19.36	29.71	-10.35
5510	102	CDD	AVG	242	61	11.00	11.00	14.01	23.67	-9.66	6.04	20.05	29.67	-9.62
					62	10.93	11.00	13.98	23.67	-9.69	6.04	20.01	29.67	-9.65
5550	110	CDD	AVG	242	61	15.33	15.80	18.58	23.67	-5.09	6.04	24.62	29.67	-5.05
					62	15.50	15.93	18.73	23.67	-4.94	6.04	24.77	29.67	-4.90
5670	134	CDD	AVG	242	61	13.34	13.42	16.39	23.67	-7.28	6.04	22.43	29.67	-7.24
					62	13.49	13.39	16.45	23.67	-7.22	6.04	22.49	29.67	-7.18
5710	142	SDM	AVG	106	53	14.00	14.00	17.01	23.67	-6.66	3.06	20.07	29.67	-9.60
					54	13.98	13.83	16.92	23.67	-6.75	3.06	19.97	29.67	-9.69
					56	13.96	14.00	16.99	23.67	-6.68	3.06	20.05	29.67	-9.62
5755	151	CDD	AVG	242	61	15.74	15.85	18.81	30.00	-11.19	6.81	25.62	-	-
					62	15.73	15.93	18.84	30.00	-11.16	6.81	25.65	-	-
5795	159	CDD	AVG	242	61	15.75	15.91	18.84	30.00	-11.16	6.81	25.65	-	-
					62	15.75	16.00	18.89	30.00	-11.11	6.81	25.70	-	-

Table 7-56. CDD/SDM 40MHz BW (UNII) Maximum Conducted Output Power (RU242)

Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Conducted Powers [dBm] Core 0	Core 1	Summed	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5210	42	CDD	AVG	484	65	11.87	12.00	14.95	-	-	4.68	19.62	22.74	-3.12
					66	11.83	12.00	14.93	-	-	4.68	19.60	22.74	-3.14
5290	58	CDD	AVG	484	65	9.95	9.98	12.98	23.71	-10.73	4.44	17.41	29.71	-12.30
					66	9.97	10.00	13.00	23.71	-10.71	4.44	17.43	29.71	-12.28
5530	106	CDD	AVG	484	65	10.00	10.00	13.01	23.67	-10.66	5.26	18.27	29.67	-11.40
					66	10.00	10.00	13.01	23.67	-10.66	5.26	18.27	29.67	-11.40
5690	138	SDM	AVG	106	53	13.99	14.00	17.01	23.67	-6.66	2.25	19.26	29.67	-10.41
					56	13.88	13.97	16.94	23.67	-6.73	2.25	19.19	29.67	-10.48
					60	13.91	13.99	16.96	23.67	-6.71	2.25	19.21	29.67	-10.46
5775	155	CDD	AVG	484	65	14.00	14.00	17.01	30.00	-12.99	6.12	23.13	-	-
					66	14.00	13.90	16.96	30.00	-13.04	6.12	23.08	-	-

Table 7-57. CDD/SDM 80MHz BW (UNII) Maximum Conducted Output Power (RU484)

FCC CDD/SDM Conducted Output Power Measurements (Full RU)

Freq [MHz]	Channel	Mode	Detector	RU Size	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index				
					61				
					Core 0	Core 1	Summed		
5180	36	CDD	AVG	242	15.25	15.24	18.26	23.98	-5.72
5200	40	CDD	AVG	242	16.99	17.00	20.01	23.98	-3.97
5240	48	CDD	AVG	242	17.00	16.95	19.99	23.98	-3.99
5260	52	CDD	AVG	242	16.50	16.50	19.51	23.71	-4.20
5280	56	CDD	AVG	242	16.49	16.42	19.47	23.71	-4.24
5320	64	CDD	AVG	242	13.25	13.20	16.24	23.71	-7.47
5500	100	CDD	AVG	242	14.23	14.20	17.23	23.67	-6.44
5520	104	CDD	AVG	242	15.42	16.42	18.96	23.67	-4.71
5580	116	CDD	AVG	242	15.50	16.50	19.04	23.67	-4.63
5680	136	CDD	AVG	242	15.47	16.47	19.01	23.67	-4.66
5700	140	CDD	AVG	242	10.25	10.24	13.26	23.67	-10.41
5720	144	CDD	AVG	242	15.45	16.44	18.98	23.67	-4.68
5745	149	CDD	AVG	242	15.49	15.80	18.66	30.00	-11.34
5785	157	CDD	AVG	242	15.60	15.89	18.76	30.00	-11.24
5825	165	CDD	AVG	242	15.59	15.96	18.79	30.00	-11.21

Table 7-58. CDD/SDM 20MHz BW (UNII) Maximum Conducted Output Power (RU242)

Freq [MHz]	Channel	Mode	Detector	RU Size	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index				
					65				
					Core 0	Core 1	Summed		
5190	38	CDD	AVG	484	13.23	13.25	16.25	23.98	-7.73
5230	46	CDD	AVG	484	17.00	16.95	19.99	23.98	-3.99
5270	54	CDD	AVG	484	16.35	16.42	19.40	23.71	-4.31
5310	62	CDD	AVG	484	11.19	11.25	14.23	23.71	-9.48
5510	102	CDD	AVG	484	10.91	10.98	13.96	23.67	-9.71
5550	110	CDD	AVG	484	15.48	16.39	18.97	23.67	-4.70
5670	134	CDD	AVG	484	13.50	13.50	16.51	23.67	-7.16
5710	142	CDD	AVG	484	15.50	16.50	19.04	23.67	-4.63
5755	151	CDD	AVG	484	15.55	15.98	18.78	30.00	-11.22
5795	159	CDD	AVG	484	15.60	15.96	18.79	30.00	-11.21

Table 7-59. CDD/SDM 40MHz BW (UNII) Maximum Conducted Output Power (RU484)

Freq [MHz]	Channel	Mode	Detector	RU Size	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
					RU Index				
					67				
					Core 0	Core 1	Summed		
5210	42	CDD	AVG	996	12.00	12.00	15.01	23.98	-8.97
5290	58	CDD	AVG	996	9.93	9.88	12.92	23.71	-10.79
5530	106	CDD	AVG	996	10.00	9.89	12.96	23.67	-10.71
5690	138	CDD	AVG	996	15.42	16.50	19.00	23.67	-4.66
5775	155	CDD	AVG	996	14.00	14.00	17.01	30.00	-12.99

Table 7-60. CDD/SDM 80MHz BW (UNII) Maximum Conducted Output Power (RU996)

ISED CDD/SDM Conducted Output Power Measurements (Full RU)

Freq [MHz]	Channel	Mode	Detector	RU Size	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					RU Index								
					61								
					Core 0	Core 1	Summed						
5180	36	CDD	AVG	242	10.90	11.00	13.96	-	-	4.04	18.00	22.74	-4.74
5200	40	CDD	AVG	242	11.00	11.00	14.01	-	-	4.04	18.05	22.74	-4.70
5240	48	CDD	AVG	242	10.87	10.91	13.90	-	-	4.04	17.94	22.74	-4.81
5260	52	CDD	AVG	242	16.50	16.50	19.51	23.71	-4.20	3.78	23.29	29.71	-6.42
5280	56	CDD	AVG	242	16.49	16.42	19.47	23.71	-4.24	3.78	23.24	29.71	-6.46
5320	64	CDD	AVG	242	13.25	13.20	16.24	23.71	-7.47	3.78	20.01	29.71	-9.69
5500	100	CDD	AVG	242	14.23	14.20	17.23	23.67	-6.44	6.04	23.26	29.67	-6.40
5520	104	CDD	AVG	242	15.42	16.42	18.96	23.67	-4.71	6.04	25.00	29.67	-4.67
5580	116	CDD	AVG	242	15.50	16.50	19.04	23.67	-4.63	6.04	25.08	29.67	-4.59
5680	136	CDD	AVG	242	15.47	16.47	19.01	23.67	-4.66	6.04	25.05	29.67	-4.62
5700	140	CDD	AVG	242	10.25	10.24	13.26	23.67	-10.41	6.04	19.29	29.67	-10.37
5720	144	CDD	AVG	242	15.45	16.44	18.98	23.67	-4.68	6.04	25.02	29.67	-4.65
5745	149	CDD	AVG	242	15.49	15.80	18.66	30.00	-11.34	6.81	25.47	-	-
5785	157	CDD	AVG	242	15.60	15.89	18.76	30.00	-11.24	6.81	25.57	-	-
5825	165	CDD	AVG	242	15.59	15.96	18.79	30.00	-11.21	6.81	25.60	-	-

Table 7-61. CDD/SDM 20MHz BW (UNII) Maximum Conducted Output Power (RU242)

Freq [MHz]	Channel	Mode	Detector	RU Size	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					RU Index								
					65								
					Core 0	Core 1	Summed						
5190	38	CDD	AVG	484	13.20	13.25	16.24	-	-	4.04	20.27	22.74	-2.47
5230	46	CDD	AVG	484	13.50	13.44	16.48	-	-	4.04	20.52	22.74	-2.22
5270	54	CDD	AVG	484	16.35	16.42	19.40	23.71	-4.31	3.78	23.17	29.71	-6.53
5310	62	CDD	AVG	484	11.19	11.25	14.23	23.71	-9.48	3.78	18.01	29.71	-11.70
5510	102	CDD	AVG	484	10.91	10.98	13.96	23.67	-9.71	6.04	19.99	29.67	-9.67
5550	110	CDD	AVG	484	15.48	16.39	18.97	23.67	-4.70	6.04	25.01	29.67	-4.66
5670	134	CDD	AVG	484	13.50	13.50	16.51	23.67	-7.16	6.04	22.55	29.67	-7.12
5710	142	CDD	AVG	484	15.50	16.50	19.04	23.67	-4.63	6.04	25.08	29.67	-4.59
5755	151	CDD	AVG	484	15.55	15.98	18.78	30.00	-11.22	6.81	25.59	-	-
5795	159	CDD	AVG	484	15.60	15.96	18.79	30.00	-11.21	6.81	25.61	-	-

Table 7-62. CDD/SDM 40MHz BW (UNII) Maximum Conducted Output Power (RU484)

Freq [MHz]	Channel	Mode	Detector	RU Size	Conducted Power [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
					RU Index								
					67								
					Core 0	Core 1	Summed						
5210	42	CDD	AVG	996	11.97	12.00	15.00	-	-	4.04	19.03	22.74	-3.71
5290	58	CDD	AVG	996	9.93	9.88	12.92	23.71	-10.79	3.78	16.69	29.71	-13.01
5530	106	CDD	AVG	996	10.00	9.89	12.96	23.67	-10.71	6.04	18.99	29.67	-10.67
5690	138	CDD	AVG	996	15.42	16.50	19.00	23.67	-4.66	6.04	25.04	29.67	-4.62
5775	155	CDD	AVG	996	14.00	14.00	17.01	30.00	-12.99	6.81	23.82	-	-

Table 7-63. CDD/SDM 80MHz BW (UNII) Maximum Conducted Output Power (RU996)

Note:

Per ANSI C63.10-2013 and KDB 662911 v02r01 Section E)1), the conducted powers at Core 0 and Core 1 were first measured separately during CDD/SDM transmission as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Per ANSI C63.10-2013 Section 14.4.3, the directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT}, the total number of antennas used.

For *correlated* unequal antenna gain

$$\text{Directional gain} = 10 \log[(10^{G_1/20} + 10^{G_2/20} + \ldots + 10^{G_N/20})^2 / N_{ANT}] \text{ dBi}$$

For *completely uncorrelated* unequal antenna gain

$$\text{Directional gain} = 10 \log[(10^{G_1/10} + 10^{G_2/10} + \ldots + 10^{G_N/10}) / N_{ANT}] \text{ dBi}$$

Sample CDD/SDM Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average conducted output power was measured to be 16.75 dBm for Core 0 and 16.70 dBm for Core 1.

Core 0 + Core 1 = CDD/SDM

(16.75 dBm + 16.70 dBm) = (47.32 mW + 46.77 mW) = 94.09 mW = 19.74 dBm

Sample e.i.r.p. Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average CDD/SDM conducted power was calculated to be 19.74 dBm with directional gain of 4.04 dBi.

e.i.r.p. (dBm) = Conducted Power (dBm) + Ant gain (dBi)

19.74 dBm + 4.04 dBi = 23.78 dBm

7.5 Maximum Power Spectral Density – 802.11ax OFDMA

§15.407(a.1.iv) §15.407(a.2) §15.407(a.3); RSS-247 [6.2]

Test Overview and Limit

The spectrum analyzer was connected to the antenna terminal while the EUT was 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. Method SA-1, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, was used to measure the power spectral density.

In the 5.15 – 5.25GHz, 5.25 – 5.35GHz, 5.47 – 5.725GHz bands, the maximum permissible power spectral density is 11dBm/MHz.

In the 5.725 – 5.850GHz band, the maximum permissible power spectral density is 30dBm/500kHz.

Test Procedure Used

ANSI C63.10-2013 – Section 12.3.2.2
KDB 789033 D02 v02r01 – Section F
ANSI C63.10-2013 – Section 14.3.2.2 Measure-and-Sum Technique
KDB 662911 v02r01 – Section E)2) Measure-and-Sum Technique

Test Settings

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire emission bandwidth of the signal
3. RBW = 1MHz
4. VBW = 3MHz
5. Number of sweep points $\geq$ 2 x (span/RBW)
6. Sweep time = auto
7. Detector = power averaging (RMS)
8. Trigger was set to free run for all modes
9. Trace was averaged over 100 sweeps
10. The peak search function of the spectrum analyzer was used to find the peak of the spectrum.

Test Setup

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

Figure 7-4. Test Instrument & Measurement Setup

Test Notes

Based on preliminary measurements, it was determined that, of all of the partial RU configurations, the RU26 configuration produced the worst case power spectral density measurement for partial loaded case. Therefore, only the RU26 and RU242 data are included in this section.

SISO Core 0 Power Spectral Density Measurements

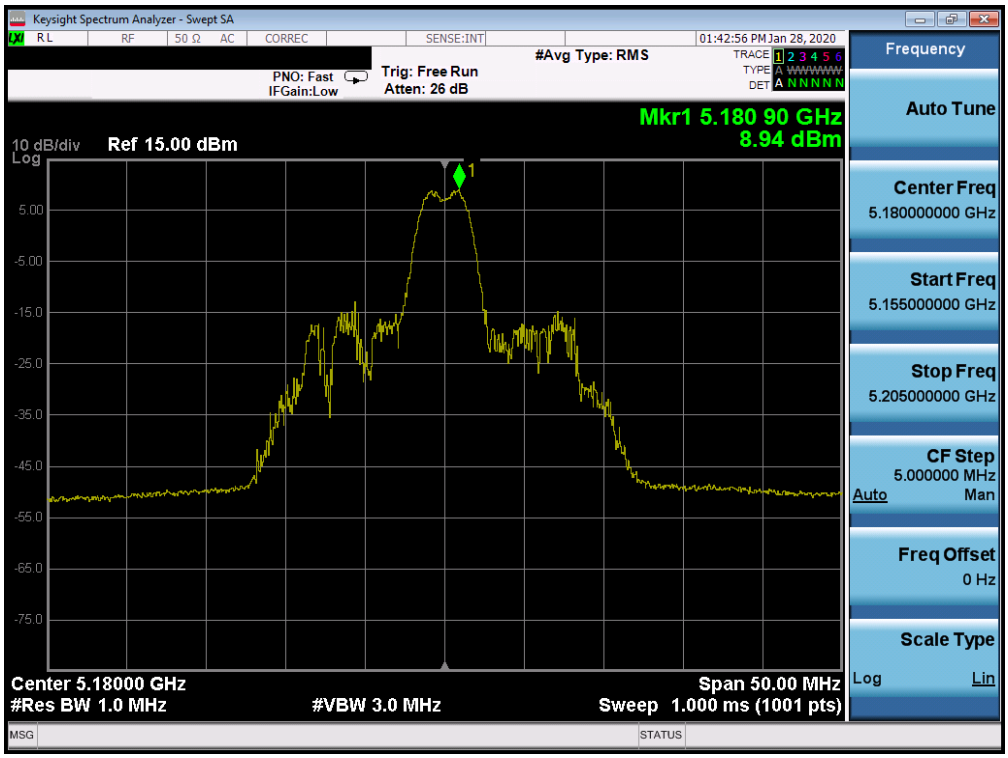
	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	RU26	0	MCS0	9.53	11.0	-1.47
				RU26	4	MCS0	8.94	11.0	-2.06
				RU26	8	MCS0	10.00	11.0	-1.00
	5200	40	ax (20MHz)	RU26	0	MCS0	9.77	11.0	-1.23
				RU26	4	MCS0	9.03	11.0	-1.97
				RU26	8	MCS0	10.13	11.0	-0.87
	5240	48	ax (20MHz)	RU26	0	MCS0	9.37	11.0	-1.63
				RU26	4	MCS0	8.87	11.0	-2.13
				RU26	8	MCS0	9.64	11.0	-1.36
	5190	38	ax (40MHz)	RU26	0	MCS0	9.69	11.0	-1.31
				RU26	8	MCS0	10.70	11.0	-0.30
				RU26	17	MCS0	9.68	11.0	-1.32
	5230	46	ax (40MHz)	RU26	0	MCS0	9.94	11.0	-1.06
				RU26	8	MCS0	10.21	11.0	-0.79
				RU26	17	MCS0	10.58	11.0	-0.42
	5210	42	ax (80MHz)	RU26	0	MCS0	9.82	11.0	-1.18
				RU26	18	MCS0	8.94	11.0	-2.06
				RU26	36	MCS0	9.49	11.0	-1.51
Band 2A	5260	52	ax (20MHz)	RU26	0	MCS0	9.25	11.0	-1.75
				RU26	4	MCS0	8.85	11.0	-2.15
				RU26	8	MCS0	10.08	11.0	-0.92
	5280	56	ax (20MHz)	RU26	0	MCS0	9.57	11.0	-1.43
				RU26	4	MCS0	9.05	11.0	-1.95
				RU26	8	MCS0	9.80	11.0	-1.20
	5320	64	ax (20MHz)	RU26	0	MCS0	9.30	11.0	-1.70
				RU26	4	MCS0	8.78	11.0	-2.22
				RU26	8	MCS0	9.59	11.0	-1.41
	5270	54	ax (40MHz)	RU26	0	MCS0	10.06	11.0	-0.94
				RU26	8	MCS0	10.53	11.0	-0.47
				RU26	17	MCS0	10.10	11.0	-0.90
	5310	62	ax (40MHz)	RU26	0	MCS0	9.50	11.0	-1.50
				RU26	8	MCS0	10.33	11.0	-0.67
				RU26	17	MCS0	10.69	11.0	-0.31
	5290	58	ax (80MHz)	RU26	0	MCS0	9.42	11.0	-1.58
				RU26	18	MCS0	8.78	11.0	-2.22
				RU26	36	MCS0	9.42	11.0	-1.58
Band 2C	5500	100	ax (20MHz)	RU26	0	MCS0	9.84	11.0	-1.16
				RU26	4	MCS0	9.08	11.0	-1.92
				RU26	8	MCS0	9.82	11.0	-1.18
	5580	116	ax (20MHz)	RU26	0	MCS0	9.77	11.0	-1.23
				RU26	4	MCS0	8.99	11.0	-2.01
				RU26	8	MCS0	10.15	11.0	-0.85
	5720	144	ax (20MHz)	RU26	0	MCS0	9.67	11.0	-1.33
				RU26	4	MCS0	9.06	11.0	-1.94
				RU26	8	MCS0	9.74	11.0	-1.26
	5510	102	ax (40MHz)	RU26	0	MCS0	10.38	11.0	-0.62
				RU26	8	MCS0	9.94	11.0	-1.06
				RU26	17	MCS0	10.24	11.0	-0.76
	5550	110	ax (40MHz)	RU26	0	MCS0	9.99	11.0	-1.01
				RU26	8	MCS0	9.92	11.0	-1.08
				RU26	17	MCS0	10.35	11.0	-0.65
	5710	142	ax (40MHz)	RU26	0	MCS0	10.29	11.0	-0.71
				RU26	8	MCS0	10.25	11.0	-0.75
				RU26	17	MCS0	10.66	11.0	-0.34
	5530	106	ax (80MHz)	RU26	0	MCS0	9.72	11.0	-1.28
				RU26	18	MCS0	8.90	11.0	-2.10
				RU26	36	MCS0	9.45	11.0	-1.55
	5690	138	ax (80MHz)	RU26	0	MCS0	10.13	11.0	-0.87
				RU26	18	MCS0	9.18	11.0	-1.82
				RU26	36	MCS0	9.60	11.0	-1.40

Table 7-64. Bands 1, 2A, 2C Conducted Power Spectral Density Measurements SISO CORE 0 (RU26)

	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density Limit [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	RU242	61	MCS0	6.71	11.0	-4.29
	5200	40	ax (20MHz)	RU242	61	MCS0	8.48	11.0	-2.52
	5240	48	ax (20MHz)	RU242	61	MCS0	8.18	11.0	-2.82
	5190	38	ax (40MHz)	RU484	65	MCS0	3.06	11.0	-7.94
	5230	46	ax (40MHz)	RU484	65	MCS0	5.98	11.0	-5.02
	5210	42	ax (80MHz)	RU996	67	MCS0	-1.39	11.0	-12.39
Band 2A	5260	52	ax (20MHz)	RU242	61	MCS0	7.28	11.0	-3.72
	5280	56	ax (20MHz)	RU242	61	MCS0	7.24	11.0	-3.76
	5320	64	ax (20MHz)	RU242	61	MCS0	5.36	11.0	-5.64
	5270	54	ax (40MHz)	RU484	65	MCS0	4.95	11.0	-6.05
	5310	62	ax (40MHz)	RU484	65	MCS0	0.94	11.0	-10.06
	5290	58	ax (80MHz)	RU996	67	MCS0	-3.40	11.0	-14.40
Band 2C	5500	100	ax (20MHz)	RU242	61	MCS0	6.15	11.0	-4.85
	5580	116	ax (20MHz)	RU242	61	MCS0	6.70	11.0	-4.30
	5720	144	ax (20MHz)	RU242	61	MCS0	6.50	11.0	-4.50
	5510	102	ax (40MHz)	RU484	65	MCS0	0.97	11.0	-10.03
	5550	110	ax (40MHz)	RU484	65	MCS0	5.04	11.0	-5.96
	5710	142	ax (40MHz)	RU484	65	MCS0	5.17	11.0	-5.83
	5530	106	ax (80MHz)	RU996	67	MCS0	-3.35	11.0	-14.35
	5690	138	ax (80MHz)	RU996	67	MCS0	1.04	11.0	-9.96

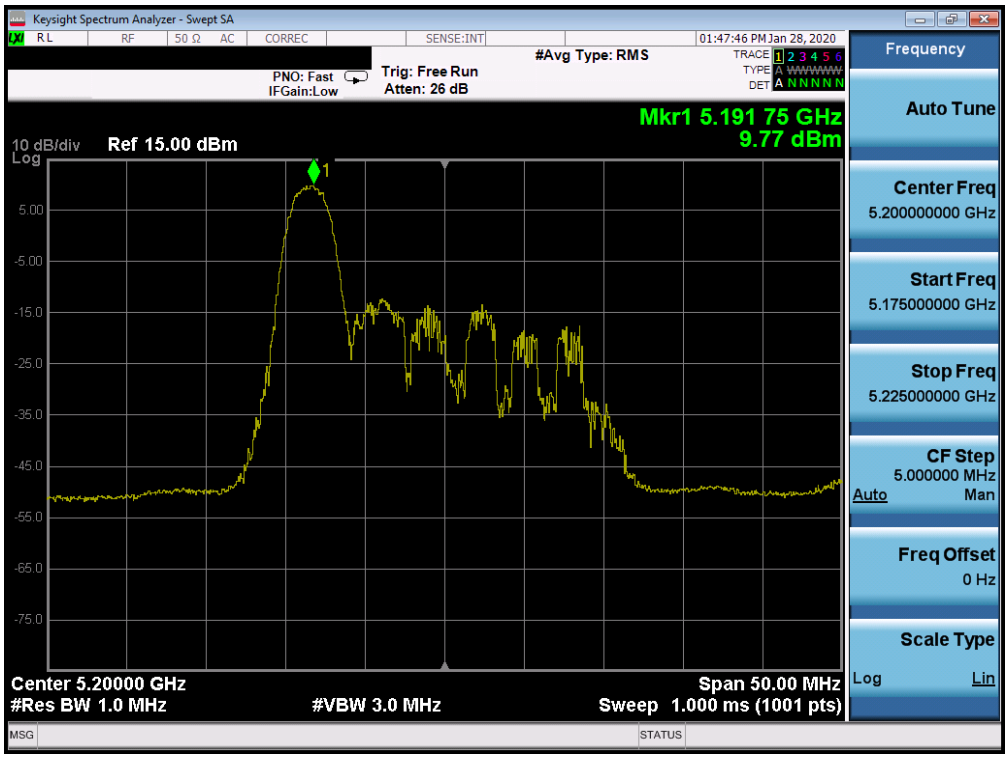
Table 7-65. Bands 1, 2A, 2C Conducted Power Spectral Density Measurements SISO CORE 0 (Full RU)

Plot 7-209. Power Spectral Density Plot SISO CORE 0 (20MHz BW 802.11ax Index 0 – RU26 (UNII Band 1) – Ch. 36)

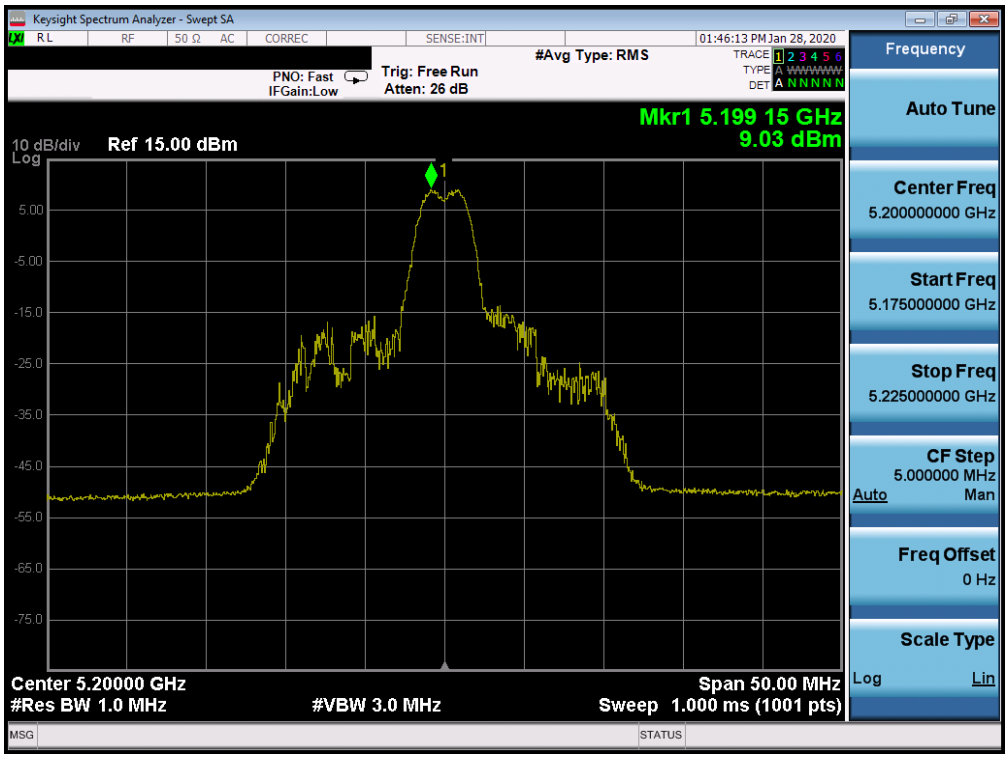


Plot 7-210. Power Spectral Density Plot SISO CORE 0 (20MHz BW 802.11ax Index 4 – RU26 (UNII Band 1) – Ch. 36)

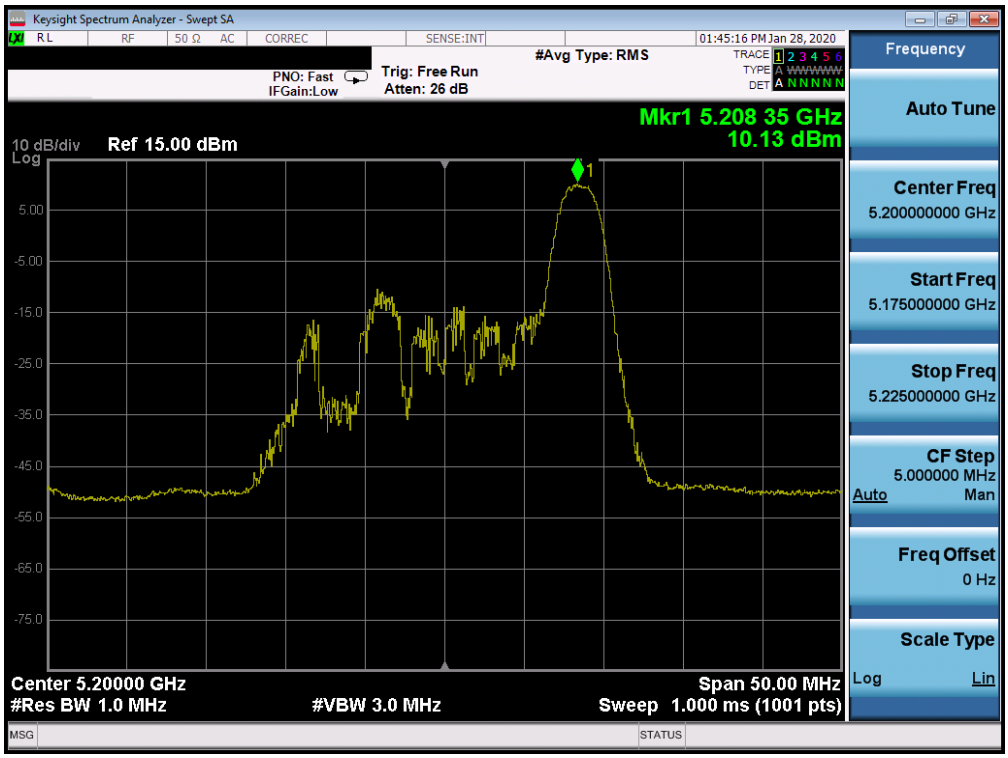
Plot 7-211. Power Spectral Density Plot SISO CORE 0 (20MHz BW 802.11ax Index 8 – RU26 (UNII Band 1) – Ch. 36)



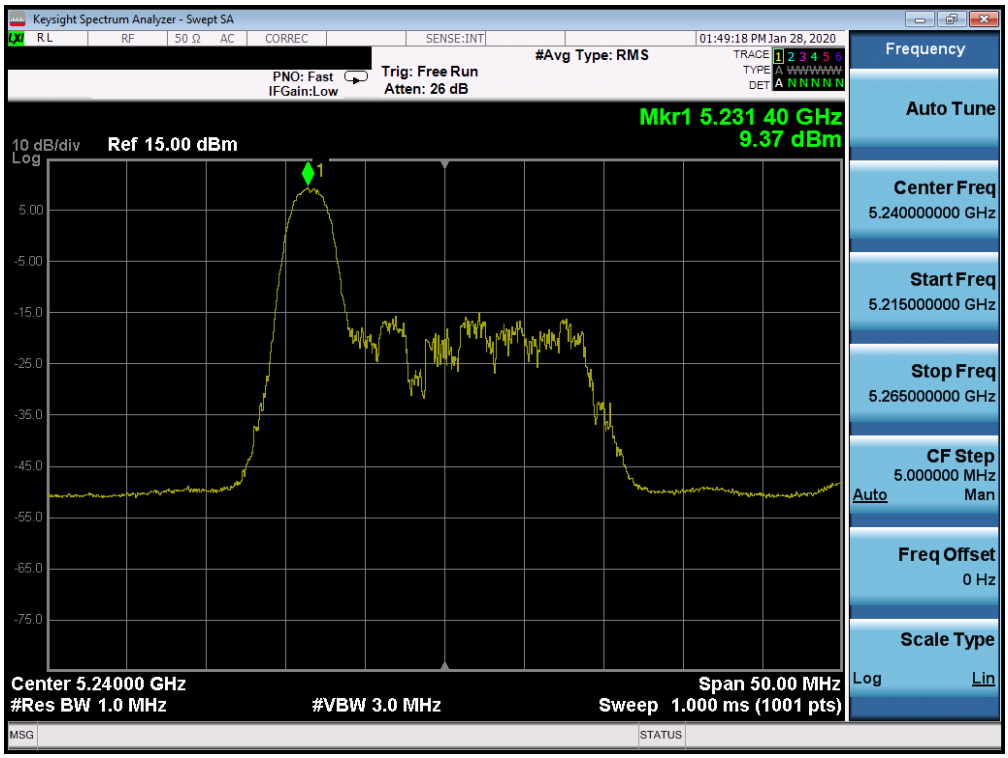
Plot 7-212. Power Spectral Density Plot SISO CORE 0 (20MHz BW 802.11ax Index 0 – RU26 (UNII Band 1) – Ch. 40)



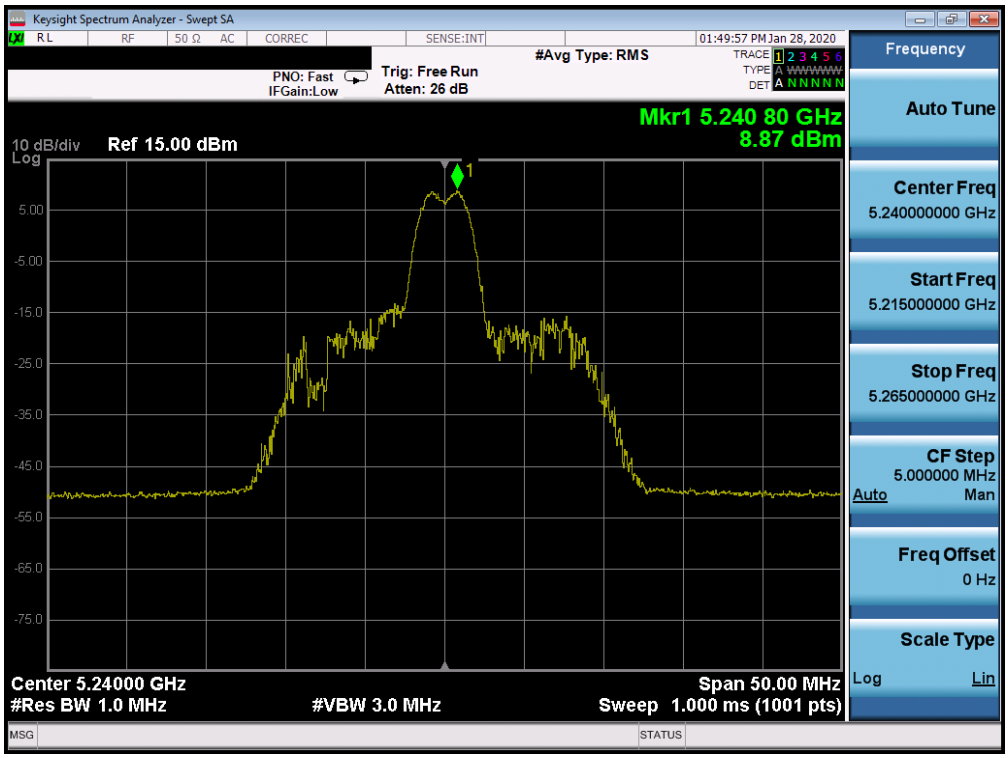
Plot 7-213. Power Spectral Density Plot SISO CORE 0 (20MHz BW 802.11ax Index 4 – RU26 (UNII Band 1) – Ch. 40)



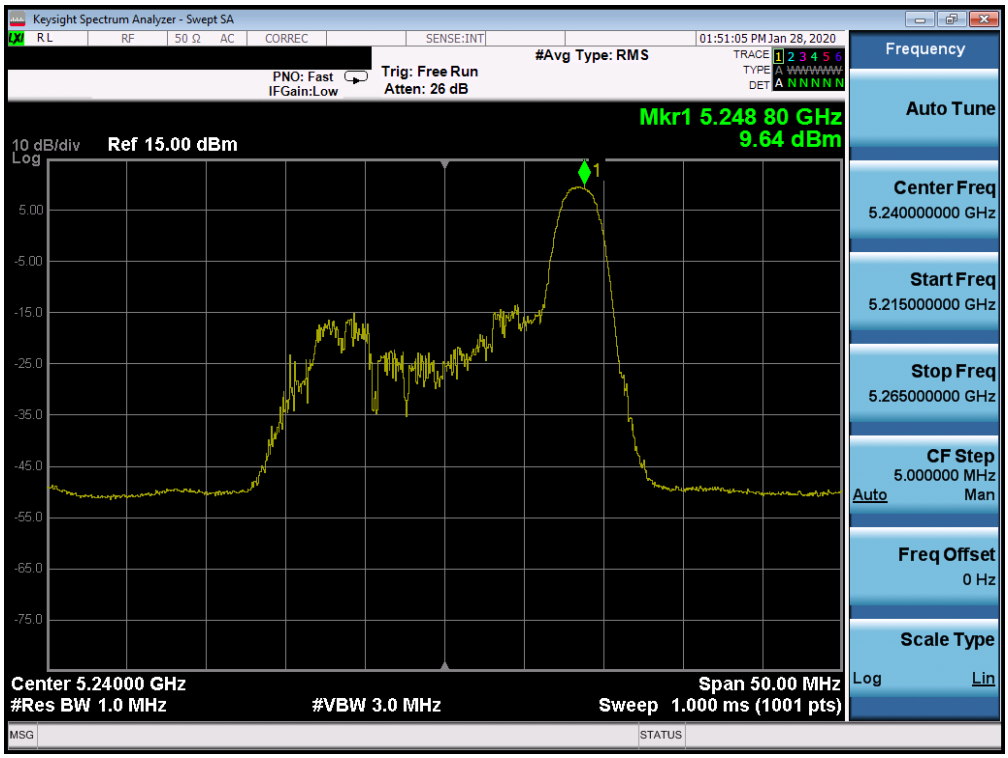
Plot 7-214. Power Spectral Density Plot SISO CORE 0 (20MHz BW 802.11ax Index 8– RU26 (UNII Band 1) – Ch. 40)



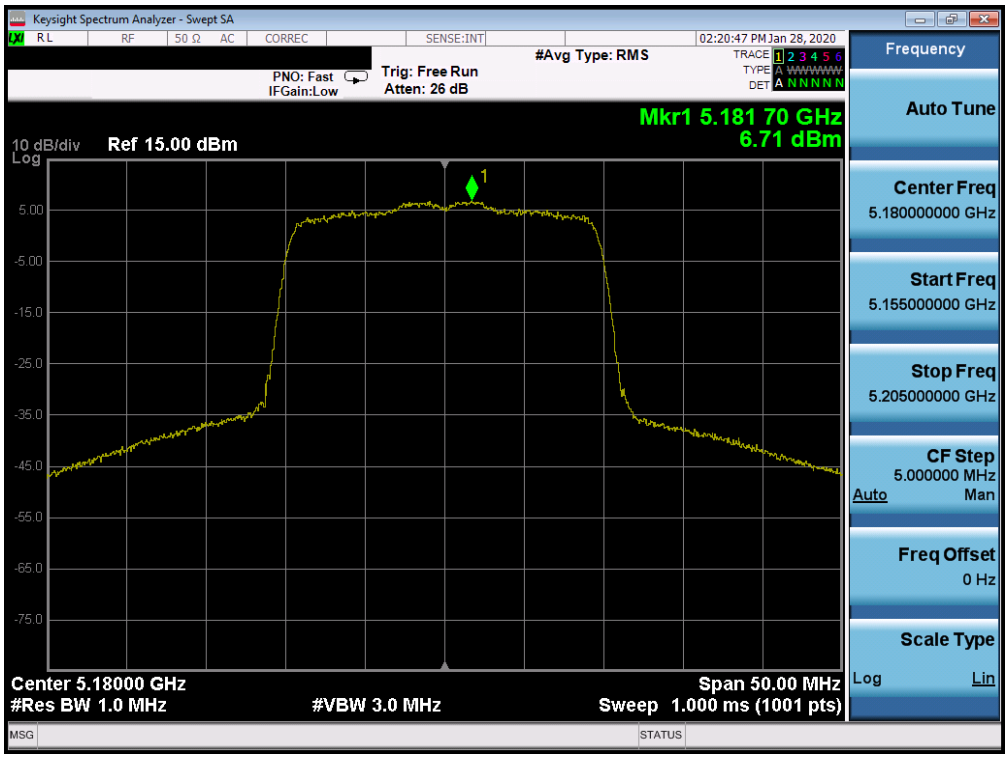
Plot 7-215. Power Spectral Density Plot SISO CORE 0 (20MHz BW 802.11ax Index 0 – RU26 (UNII Band 1) – Ch. 48)



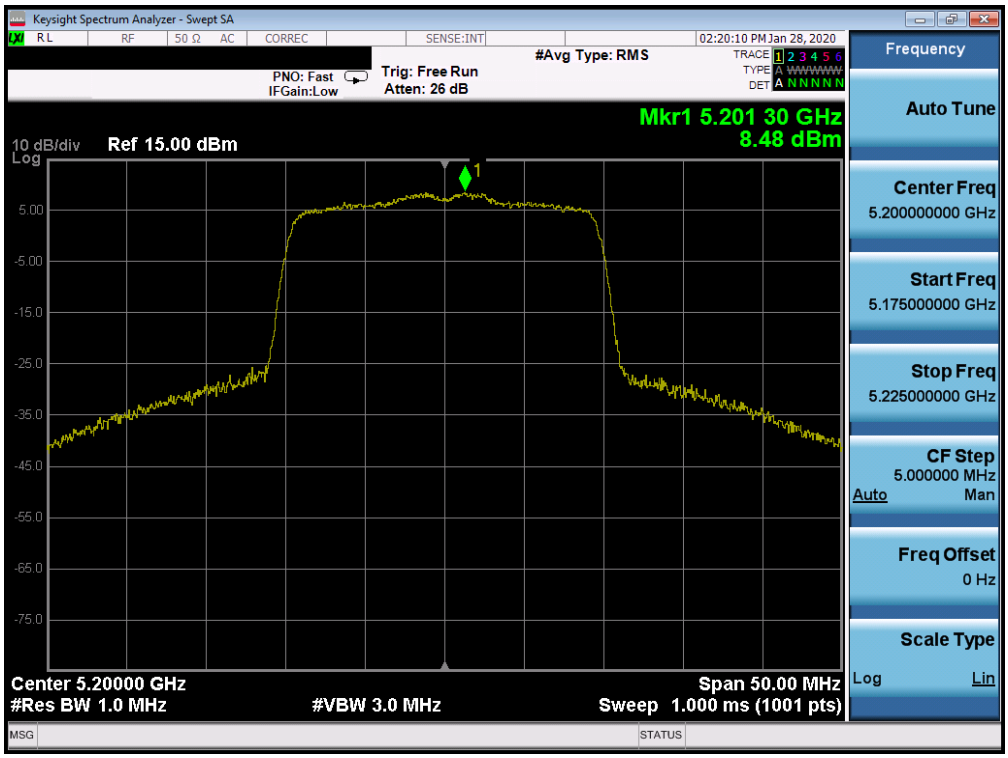
Plot 7-216. Power Spectral Density Plot SISO CORE 0 (20MHz BW 802.11ax Index 4 – RU26 (UNII Band 1) – Ch. 48)



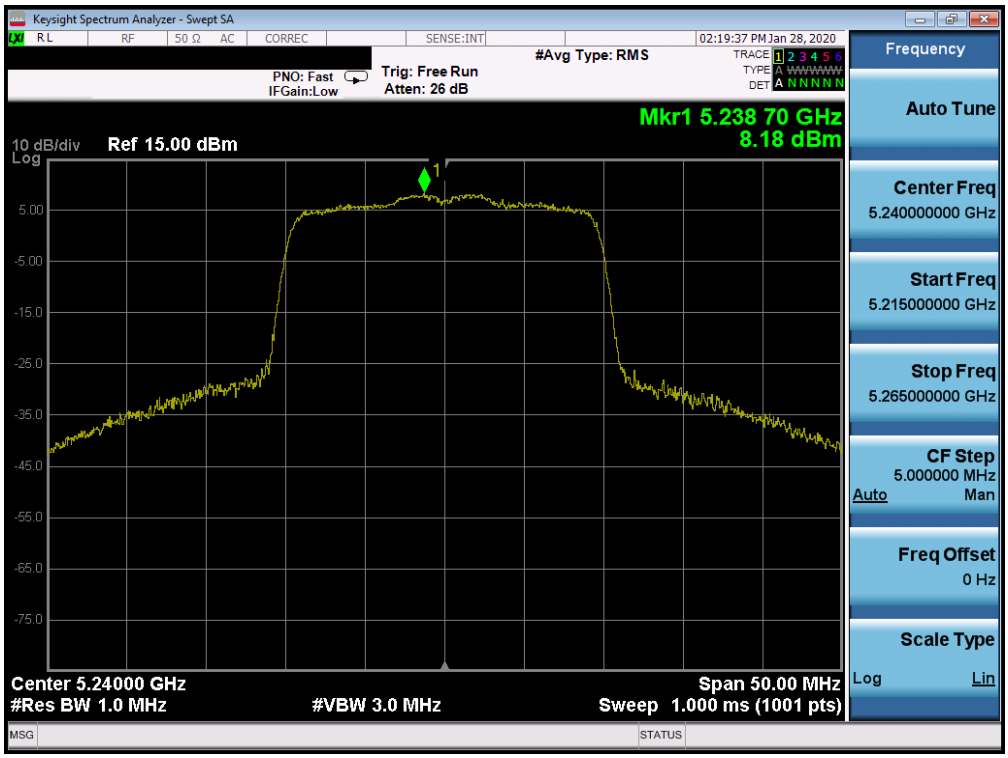
Plot 7-217. Power Spectral Density Plot SISO CORE 0 (20MHz BW 802.11ax Index 8 – RU26 (UNII Band 1) – Ch. 48)



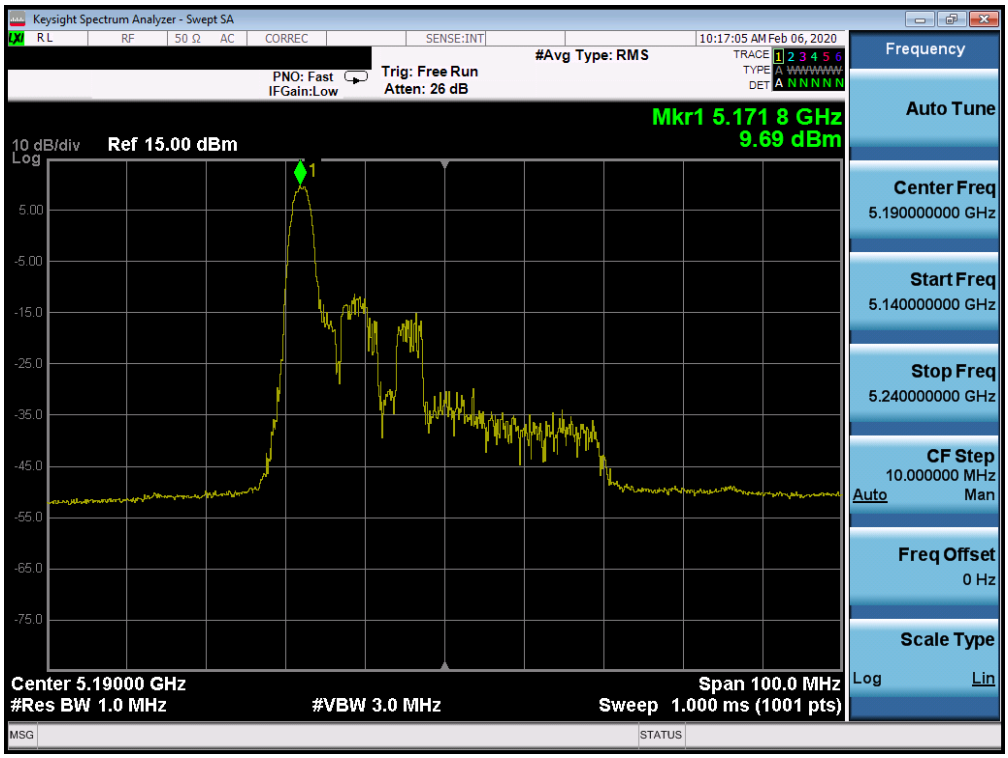
Plot 7-218. Power Spectral Density Plot SISO CORE 0 (20MHz BW 802.11ax– RU242 (UNII Band 1) – Ch. 36)



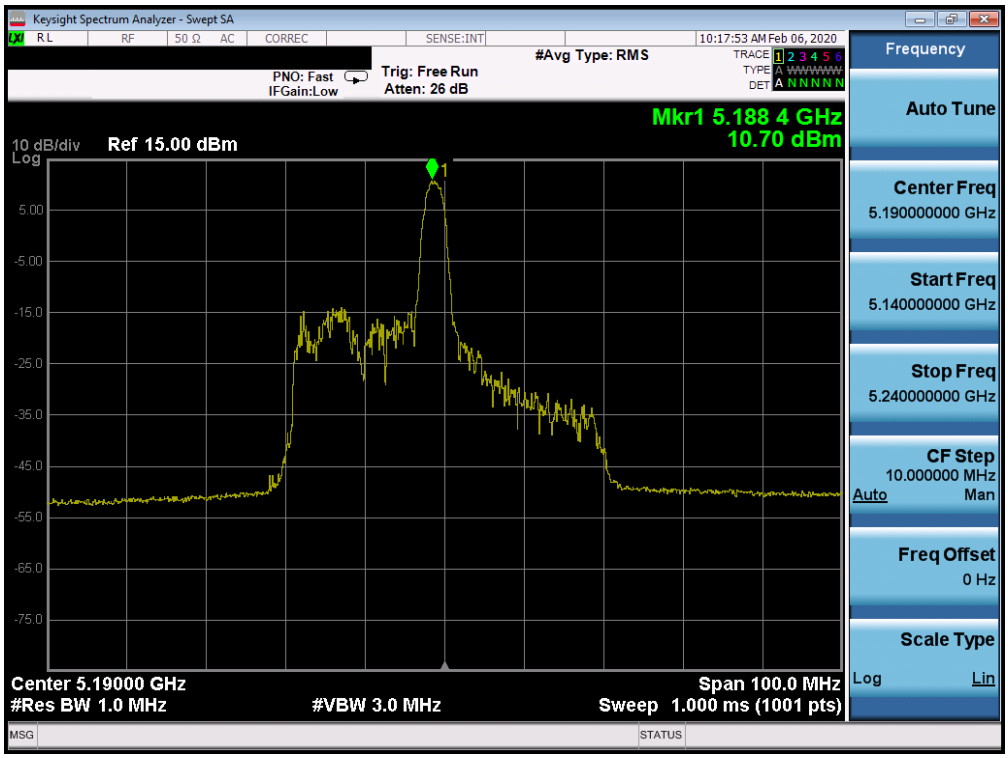
Plot 7-219. Power Spectral Density Plot SISO CORE 0 (20MHz BW 802.11ax– RU242 (UNII Band 1) – Ch. 40)



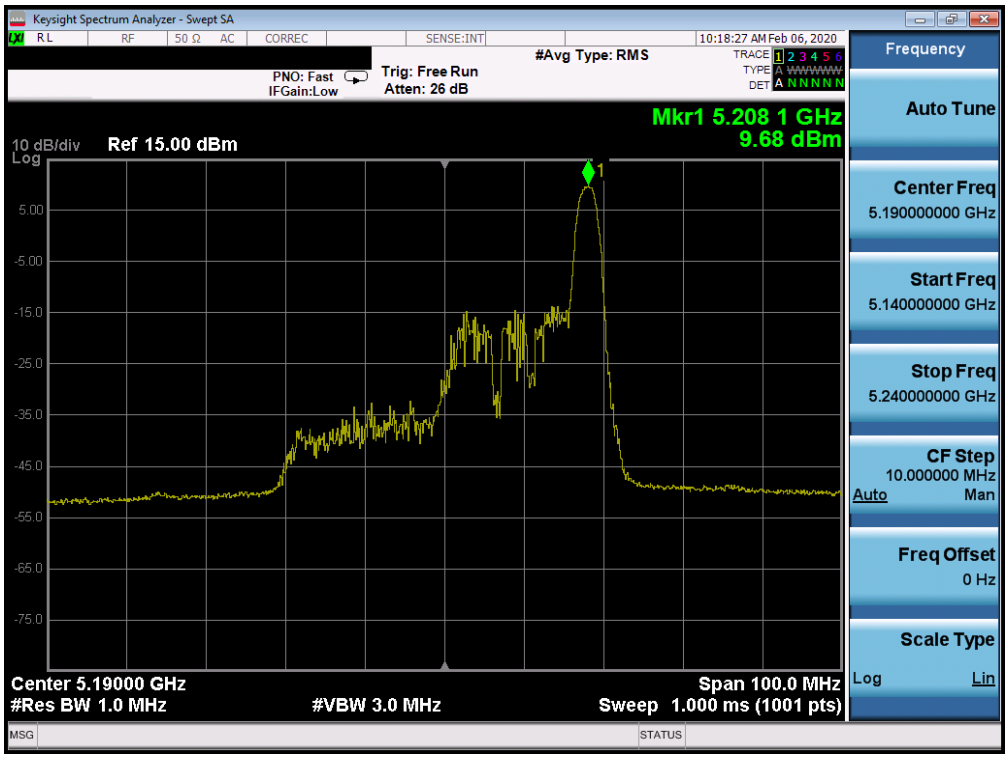
Plot 7-220. Power Spectral Density Plot SISO CORE 0 (20MHz BW 802.11ax– RU242 (UNII Band 1) – Ch. 48)



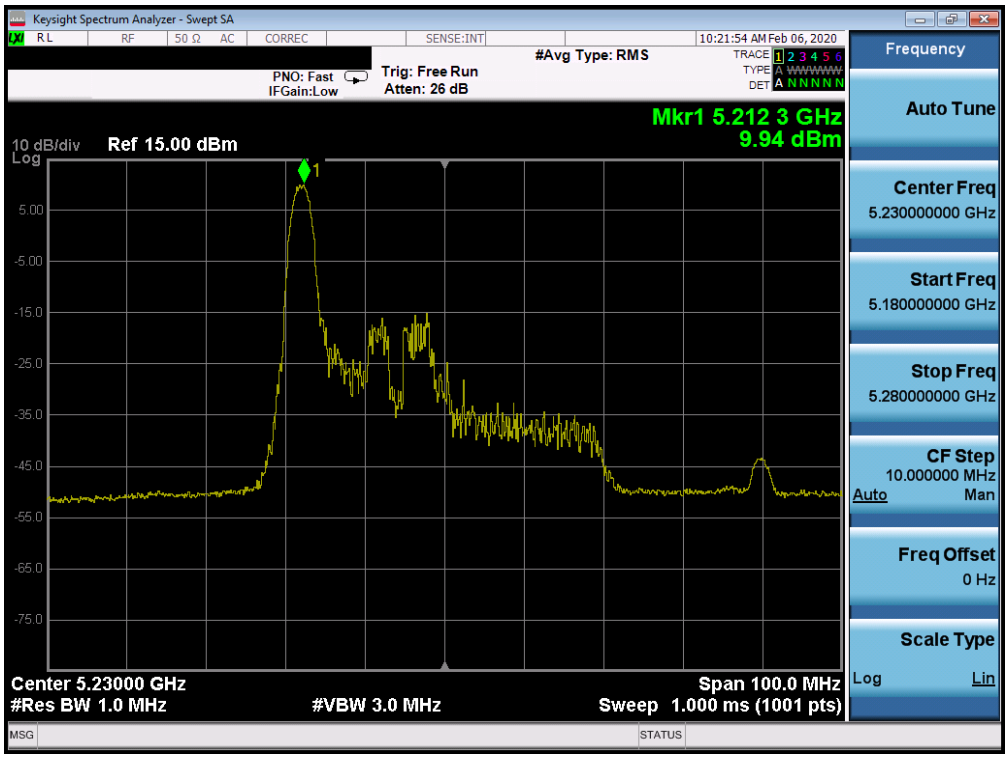
Plot 7-221. Power Spectral Density Plot SISO CORE 0 (40MHz BW 802.11ax Index 0 – RU26 (UNII Band 1) – Ch. 38)



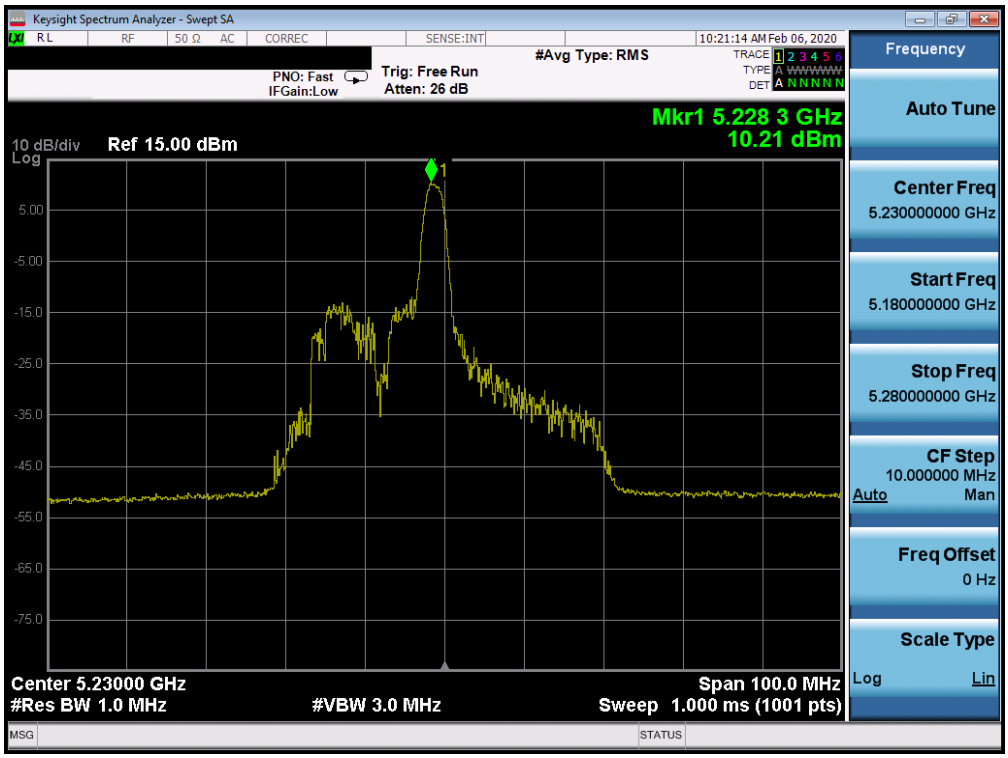
Plot 7-222. Power Spectral Density Plot SISO CORE 0 (40MHz BW 802.11ax Index 8 – RU26 (UNII Band 1) – Ch. 38)



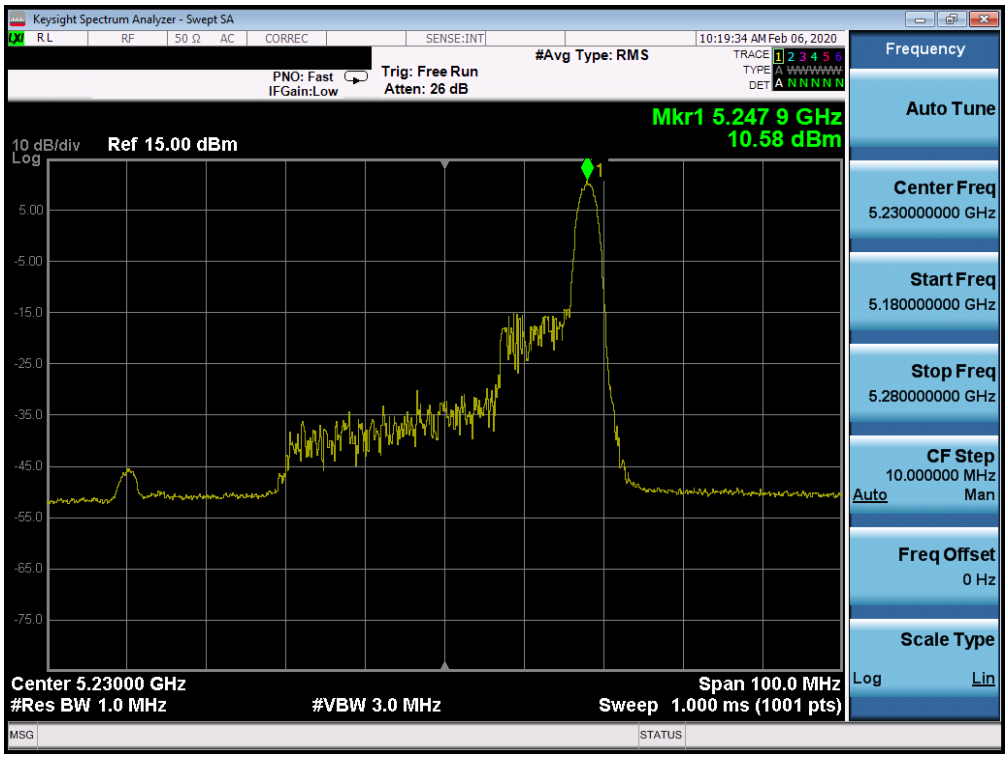
Plot 7-223. Power Spectral Density Plot SISO CORE 0 (40MHz BW 802.11ax Index 17 – RU26 (UNII Band 1) – Ch. 38)



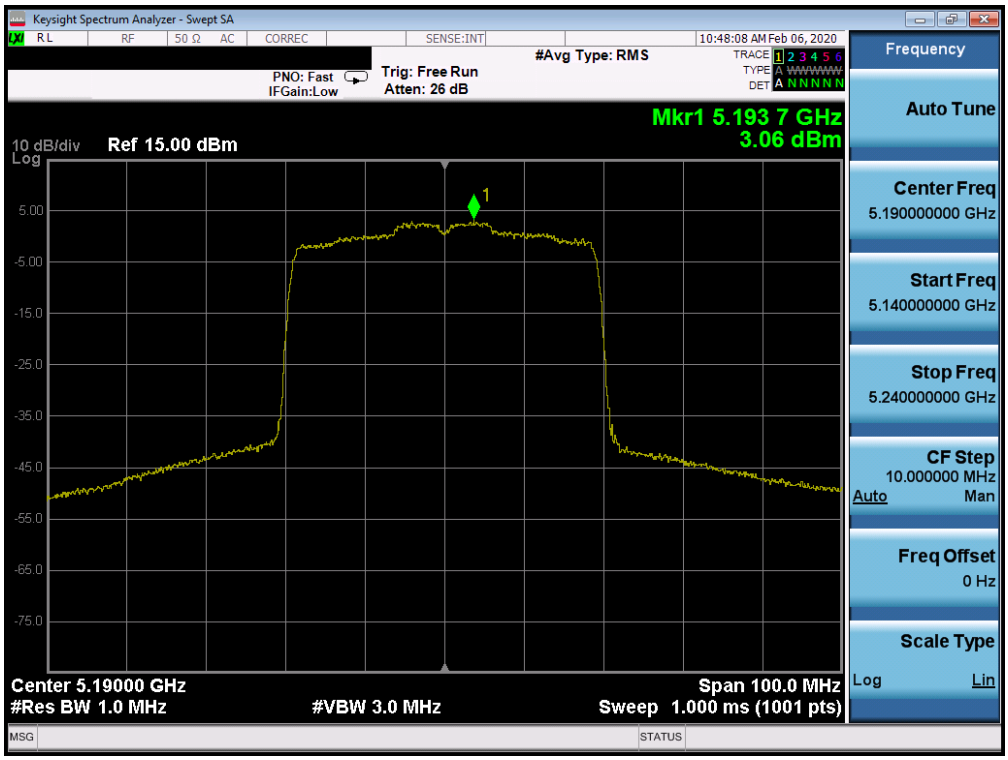
Plot 7-224. Power Spectral Density Plot SISO CORE 0 (40MHz BW 802.11ax Index 0 – RU26 (UNII Band 1) – Ch. 46)



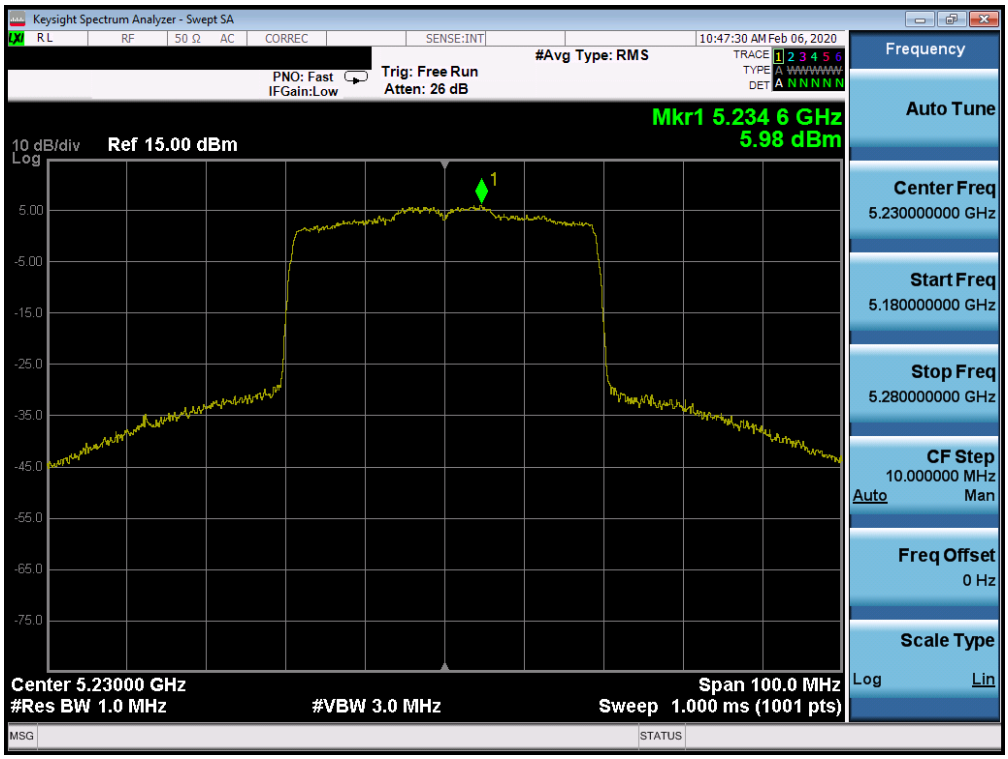
Plot 7-225. Power Spectral Density Plot SISO CORE 0 (40MHz BW 802.11ax Index 8 – RU26 (UNII Band 1) – Ch. 46)



Plot 7-226. Power Spectral Density Plot SISO CORE 0 (40MHz BW 802.11ax Index 17 – RU26 (UNII Band 1) – Ch. 46)



Plot 7-227. Power Spectral Density Plot SISO CORE 0 (40MHz BW 802.11ax – RU484 (UNII Band 1) – Ch. 38)



Plot 7-228. Power Spectral Density Plot SISO CORE 0 (40MHz BW 802.11ax – RU484 (UNII Band 1) – Ch. 46)