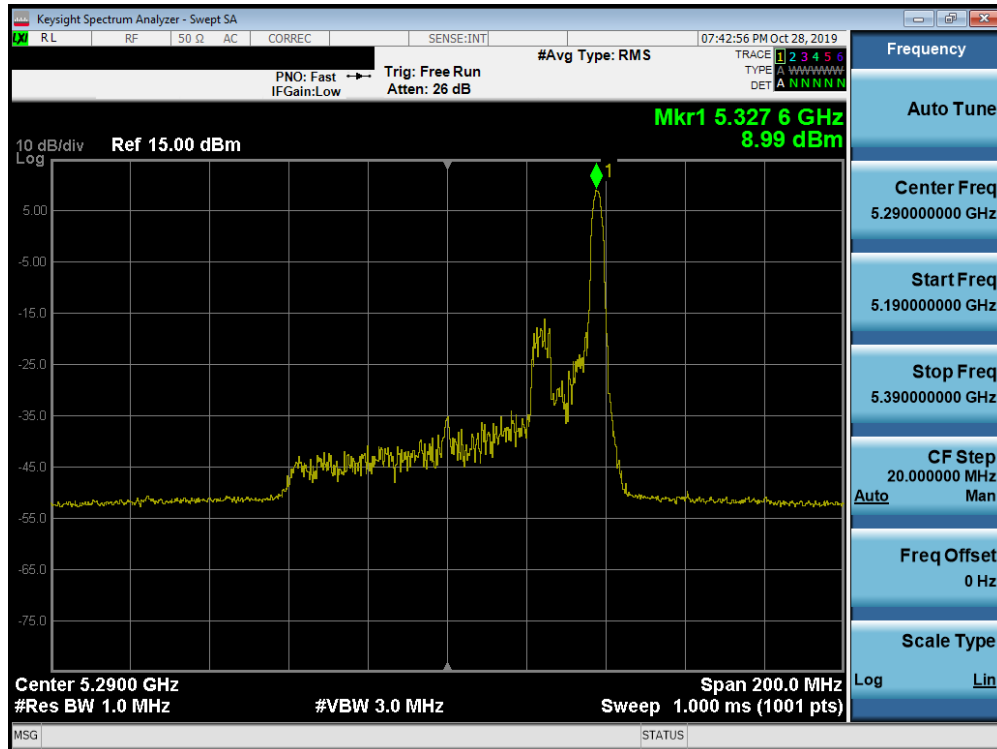


Plot 7-119. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 62)

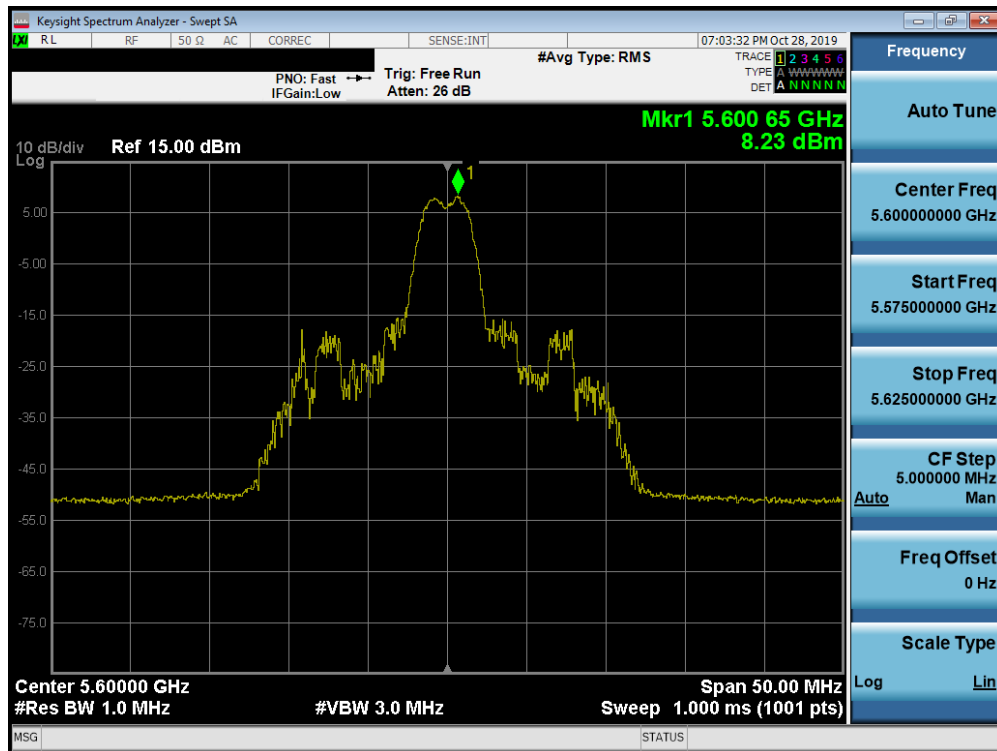


Plot 7-120. Power Spectral Density Plot SISO ANT2 (80MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 58)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 103 of 266

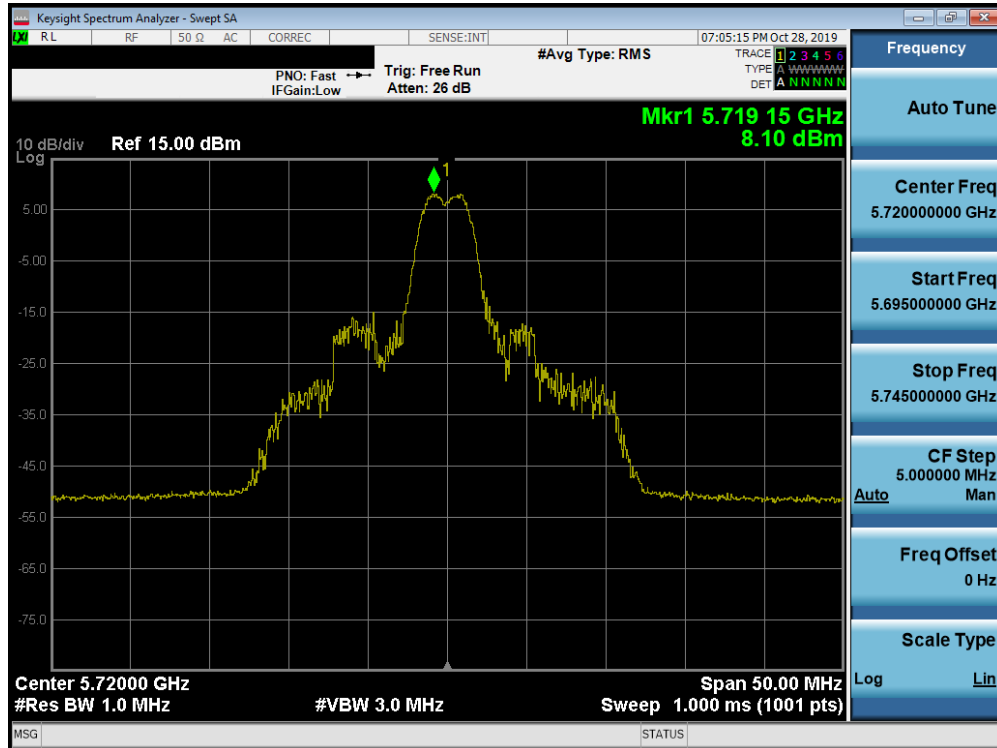


Plot 7-121. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 100)

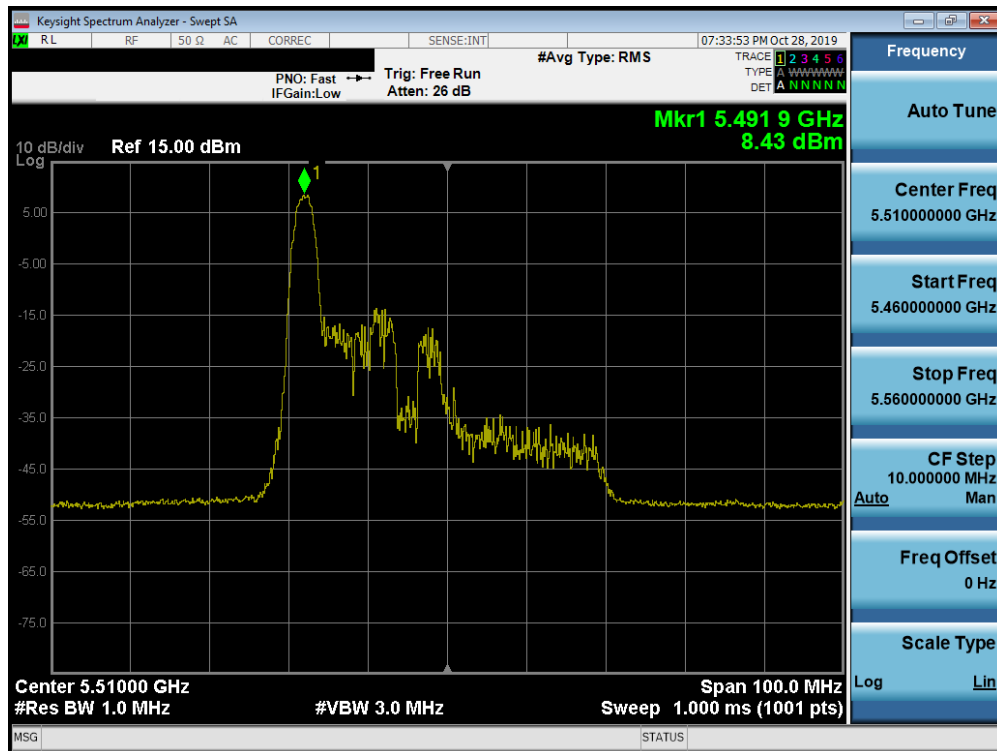


Plot 7-122. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 120)

FCC ID: A3LSMG986JPN	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 104 of 266

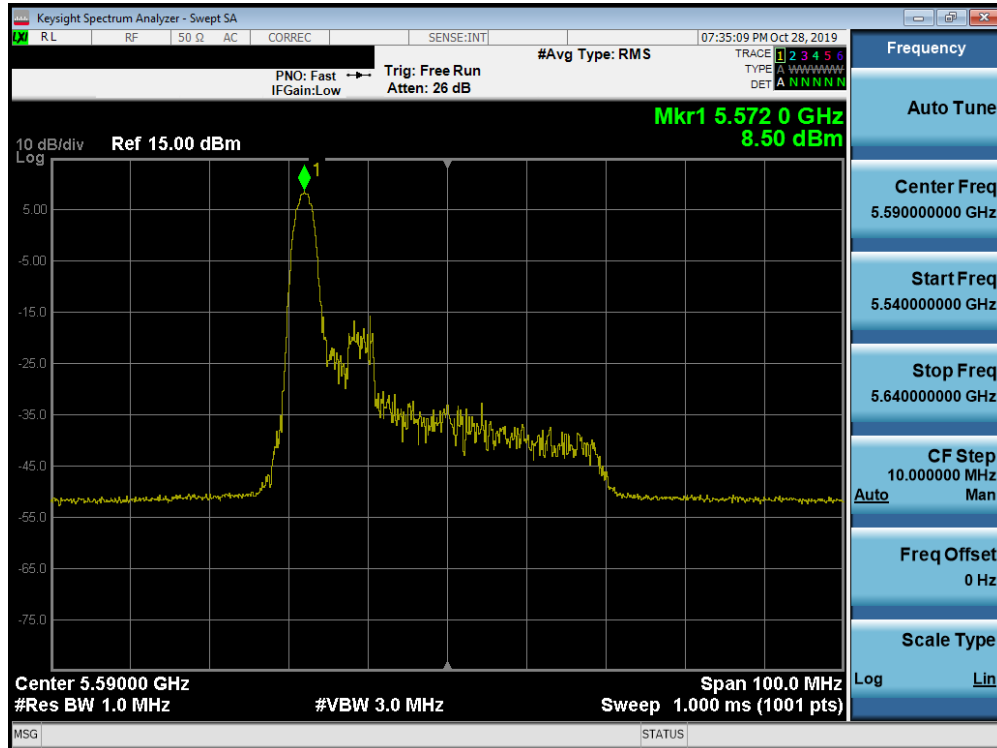


Plot 7-123. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 144)

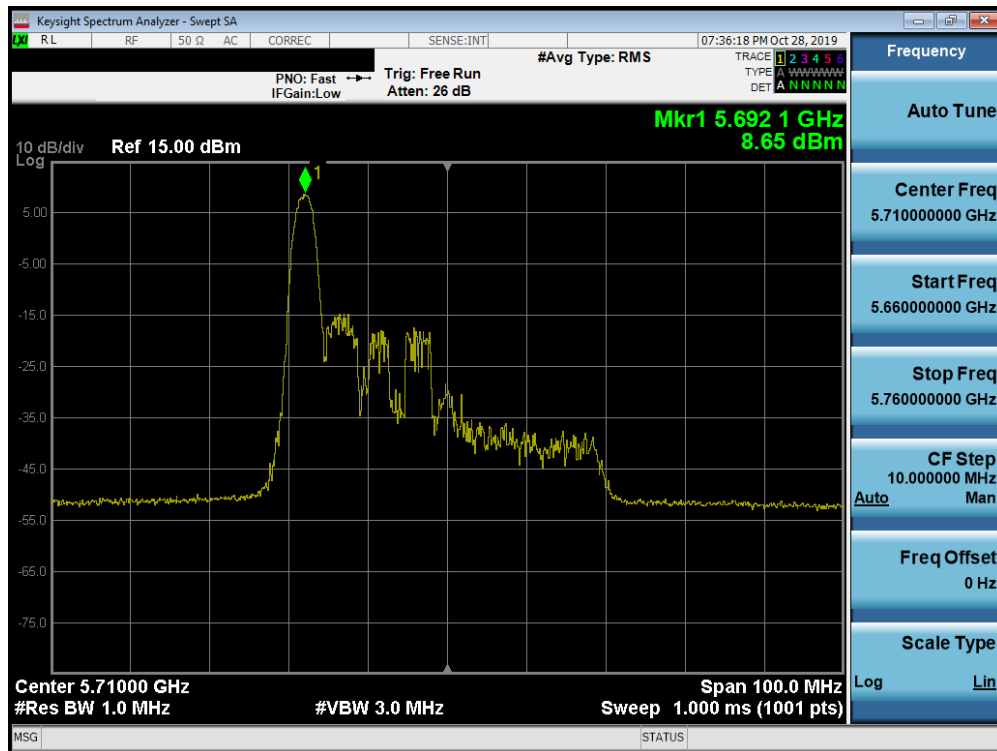


Plot 7-124. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 102)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 105 of 266

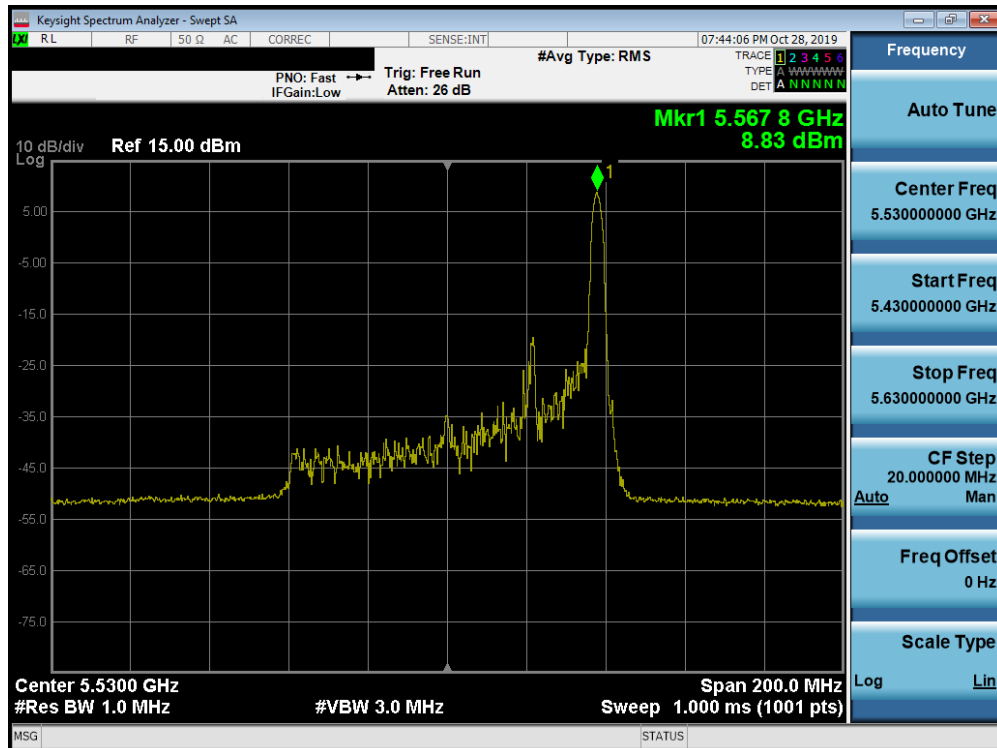


Plot 7-125. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 118)

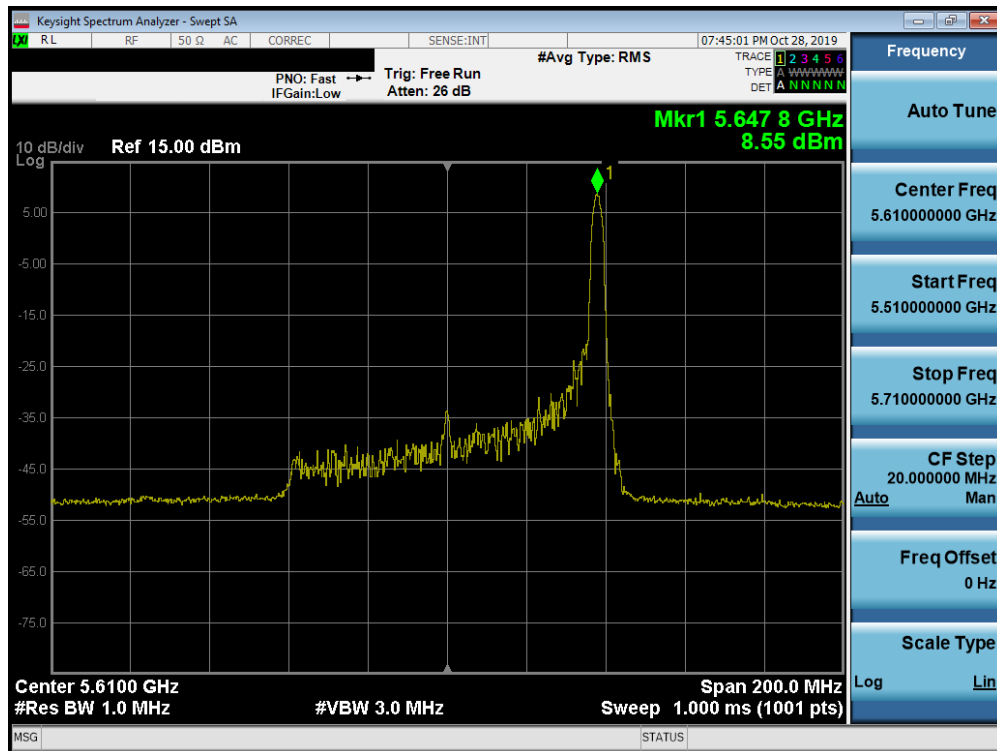


Plot 7-126. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 142)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 106 of 266

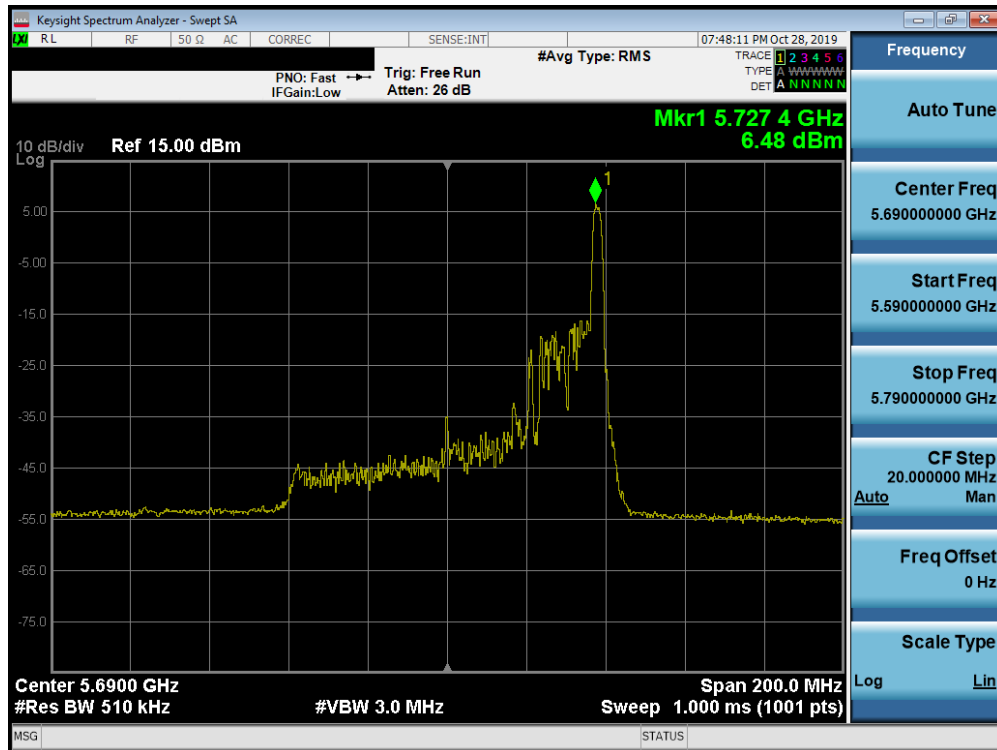


Plot 7-127. Power Spectral Density Plot SISO ANT2 (80MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 106)



Plot 7-128. Power Spectral Density Plot SISO ANT2 (80MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 122)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 107 of 266



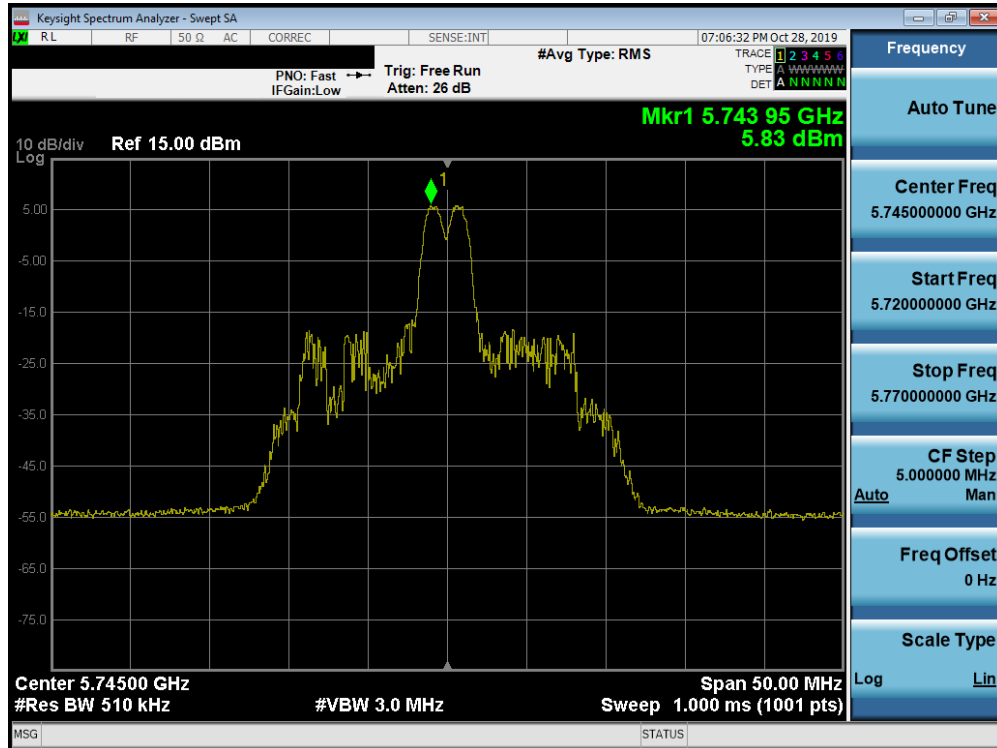
Plot 7-129. Power Spectral Density Plot SISO ANT2 (80MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 138)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 108 of 266

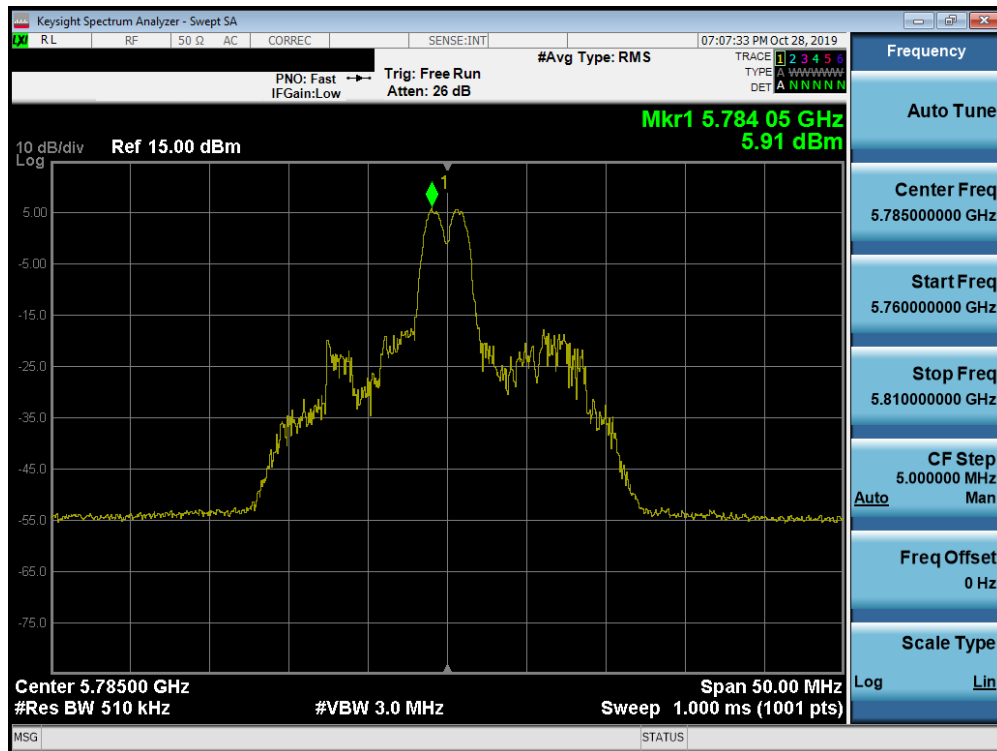
	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Measured Power Density [dBm]	Max Permissible Power Density	Margin [dB]
Band 3	5745	149	ax (20MHz)	26T	MCS0	5.83	30.00	-24.17
	5785	157	ax (20MHz)	26T	MCS0	5.91	30.00	-24.09
	5825	165	ax (20MHz)	26T	MCS0	5.55	30.00	-24.45
	5755	151	ax (40MHz)	26T	MCS0	6.71	30.00	-23.29
	5795	159	ax (40MHz)	26T	MCS0	6.96	30.00	-23.04
	5775	155	ax (80MHz)	26T	MCS0	9.08	30.00	-20.92

Table 7-56. Band 3 Conducted Power Spectral Density Measurements SISO ANT2 (26 Tones)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 109 of 266

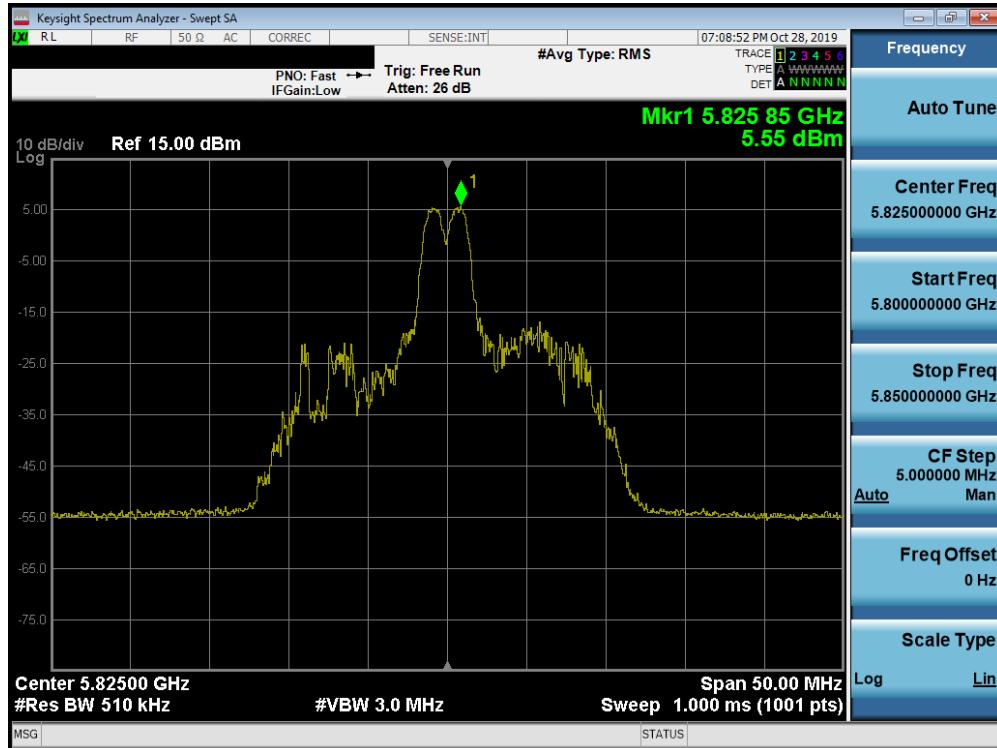


Plot 7-130. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 149)

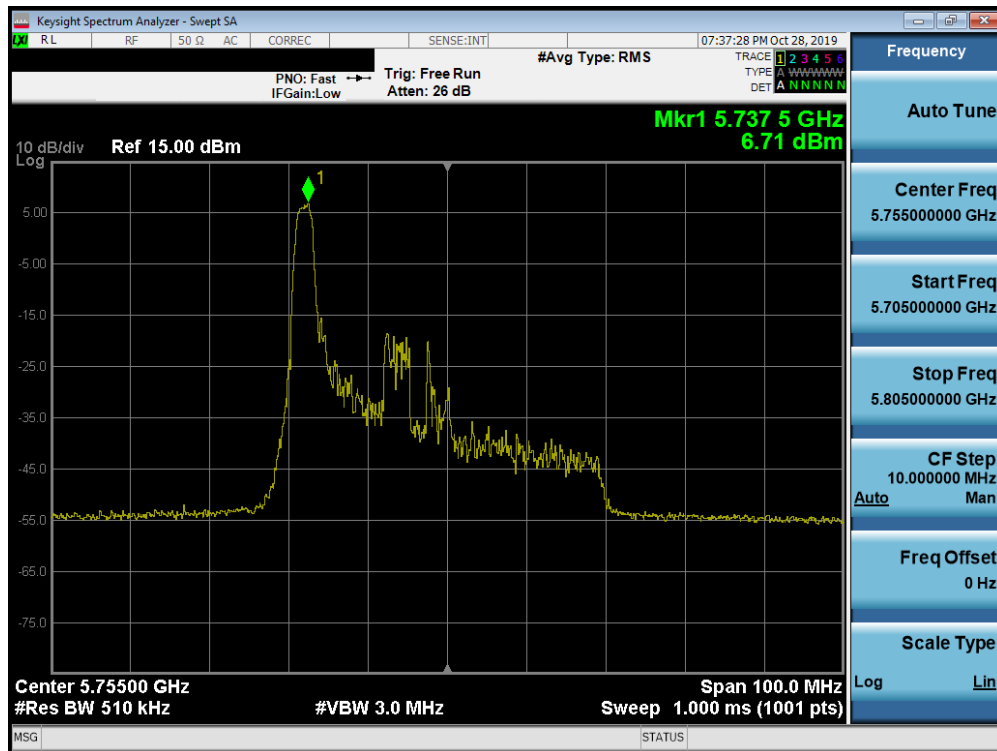


Plot 7-131. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 157)

FCC ID: A3LSMG986JPN	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 110 of 266

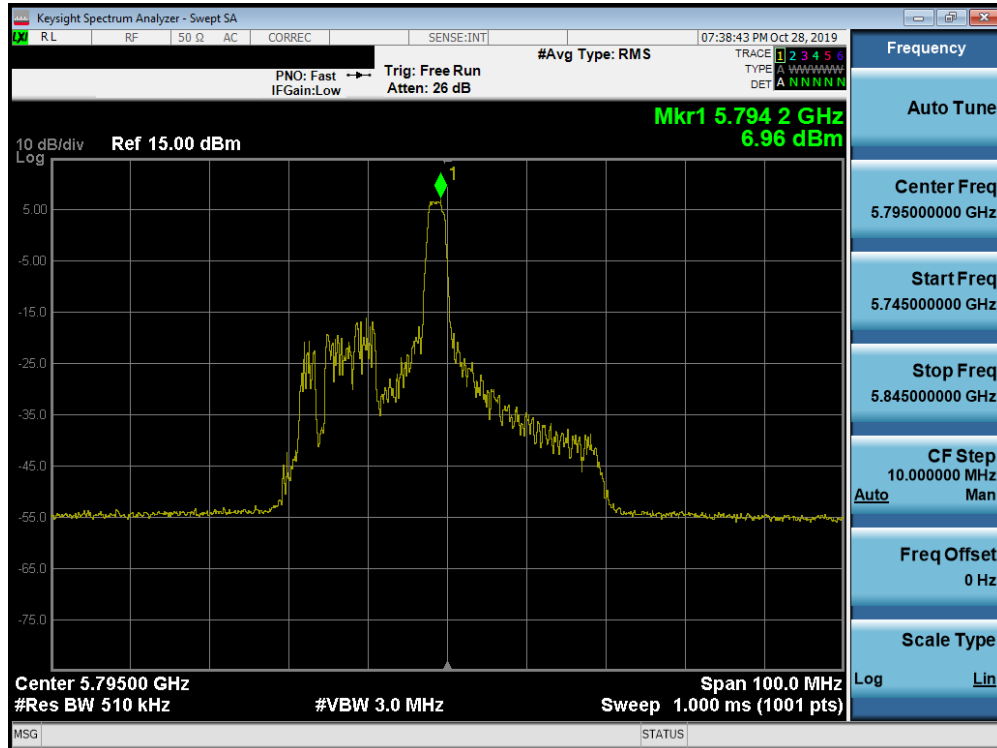


Plot 7-132. Power Spectral Density Plot SISO ANT2 (20 MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 165)

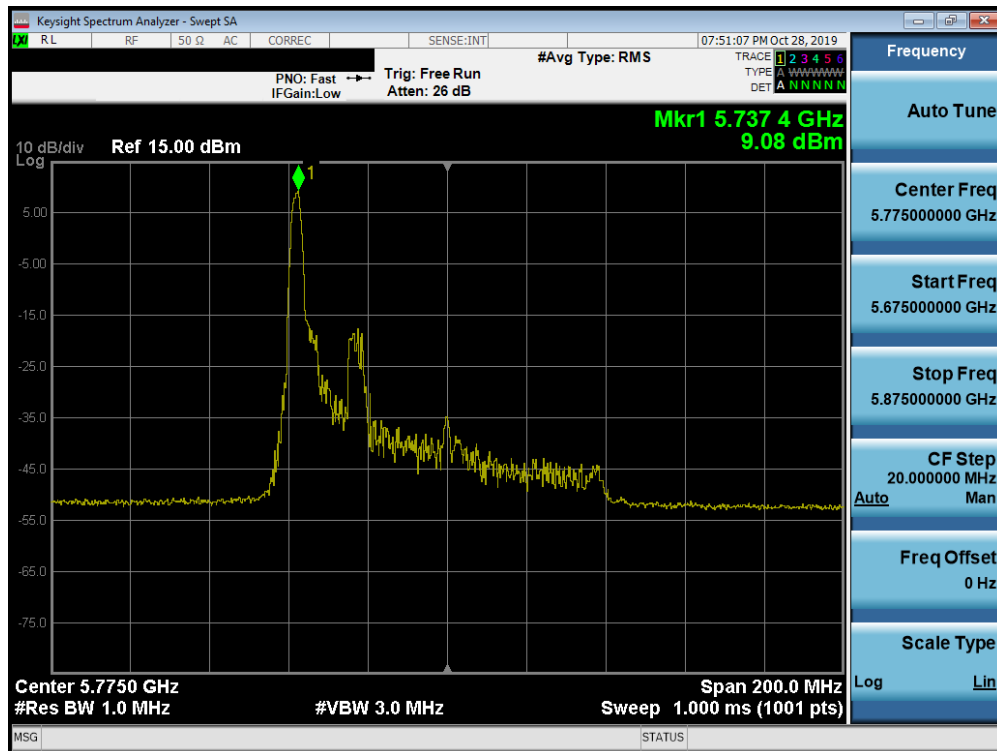


Plot 7-133. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 151)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 111 of 266



Plot 7-134. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 159)



Plot 7-135. Power Spectral Density Plot SISO ANT2 (80MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 155)

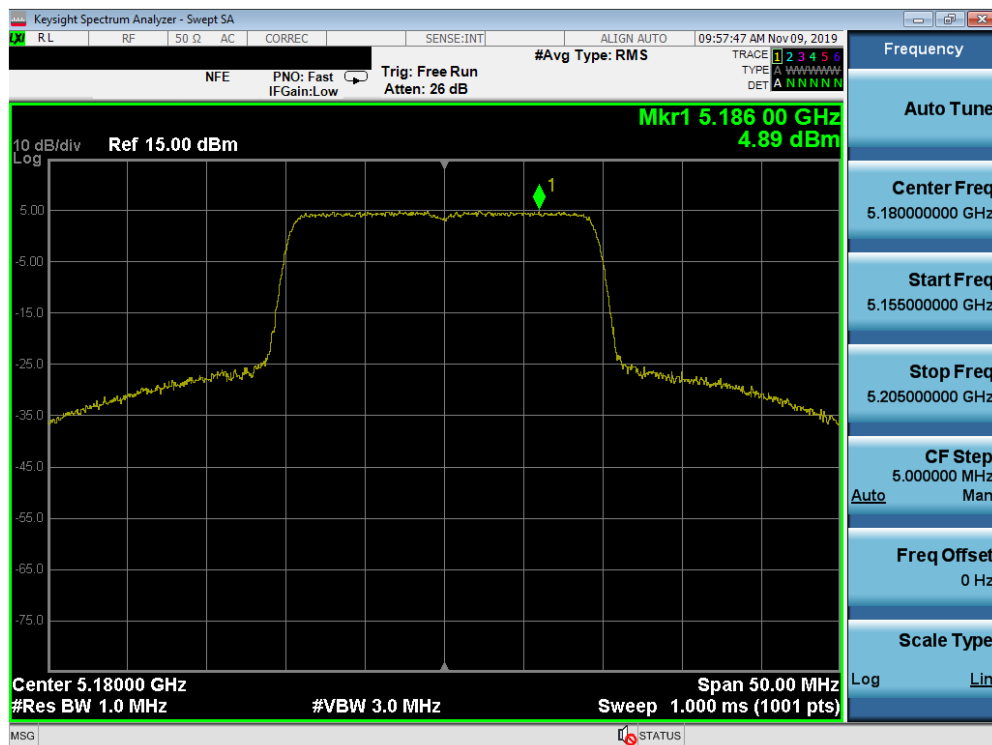
FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 112 of 266

SISO Antenna-2 Power Spectral Density Measurements (Full Tones)

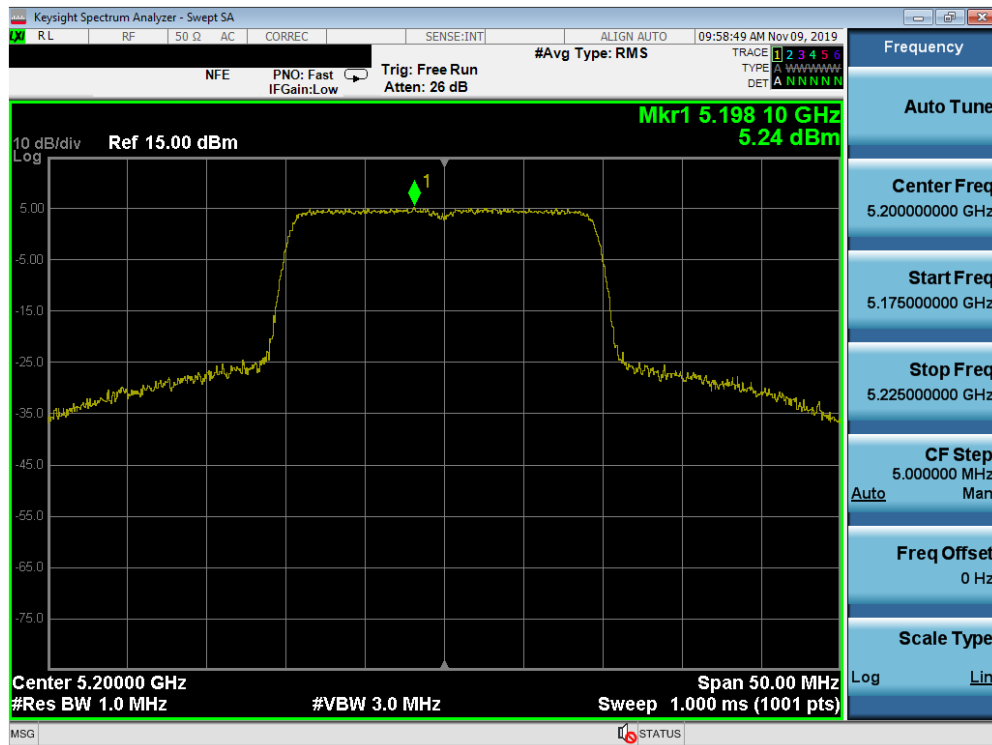
	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Measured Power Density [dBm]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	242T	MCS0	4.89	11.0	-6.11
	5200	40	ax (20MHz)	242T	MCS0	5.24	11.0	-5.76
	5240	48	ax (20MHz)	242T	MCS0	5.18	11.0	-5.82
	5190	38	ax (40MHz)	242T	MCS0	-0.84	11.0	-11.84
	5230	46	ax (40MHz)	242T	MCS0	-0.73	11.0	-11.73
	5210	42	ax (80MHz)	242T	MCS0	-4.94	11.0	-15.94
Band 2A	5260	52	ax (20MHz)	242T	MCS0	3.82	11.0	-7.18
	5280	56	ax (20MHz)	242T	MCS0	4.05	11.0	-6.95
	5320	64	ax (20MHz)	242T	MCS0	4.40	11.0	-6.60
	5270	54	ax (40MHz)	242T	MCS0	-0.87	11.0	-11.87
	5310	62	ax (40MHz)	242T	MCS0	-0.77	11.0	-11.77
	5290	58	ax (80MHz)	242T	MCS0	-4.31	11.0	-15.31
Band 2C	5500	100	ax (20MHz)	242T	MCS0	3.85	11.0	-7.15
	5600	120	ax (20MHz)	242T	MCS0	4.15	11.0	-6.85
	5720	144	ax (20MHz)	242T	MCS0	4.11	11.0	-6.89
	5510	102	ax (40MHz)	242T	MCS0	-0.80	11.0	-11.80
	5590	118	ax (40MHz)	242T	MCS0	-1.08	11.0	-12.08
	5710	142	ax (40MHz)	242T	MCS0	-0.63	11.0	-11.63
	5530	106	ax (80MHz)	242T	MCS0	-4.16	11.0	-15.16
	5610	122	ax (80MHz)	242T	MCS0	-4.19	11.0	-15.19
	5690	138	ax (80MHz)	242T	MCS0	-7.25	11.0	-18.25

Table 7-57. Conducted Power Spectral Density Measurements SISO ANT2 (Full Tones)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 113 of 266

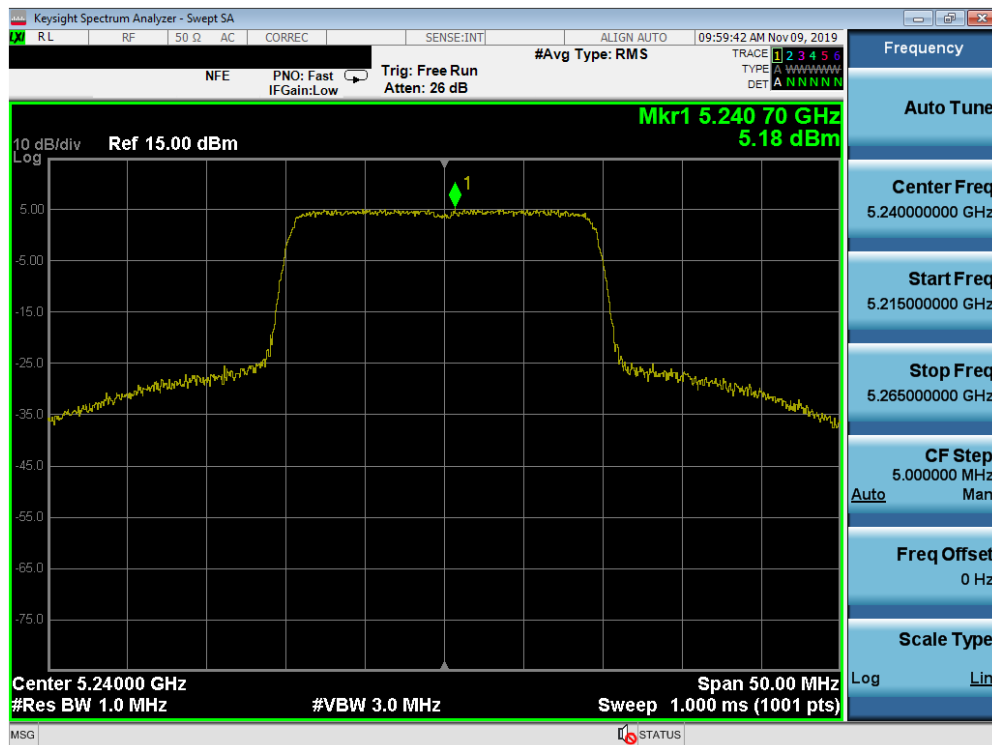


Plot 7-136. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 36)

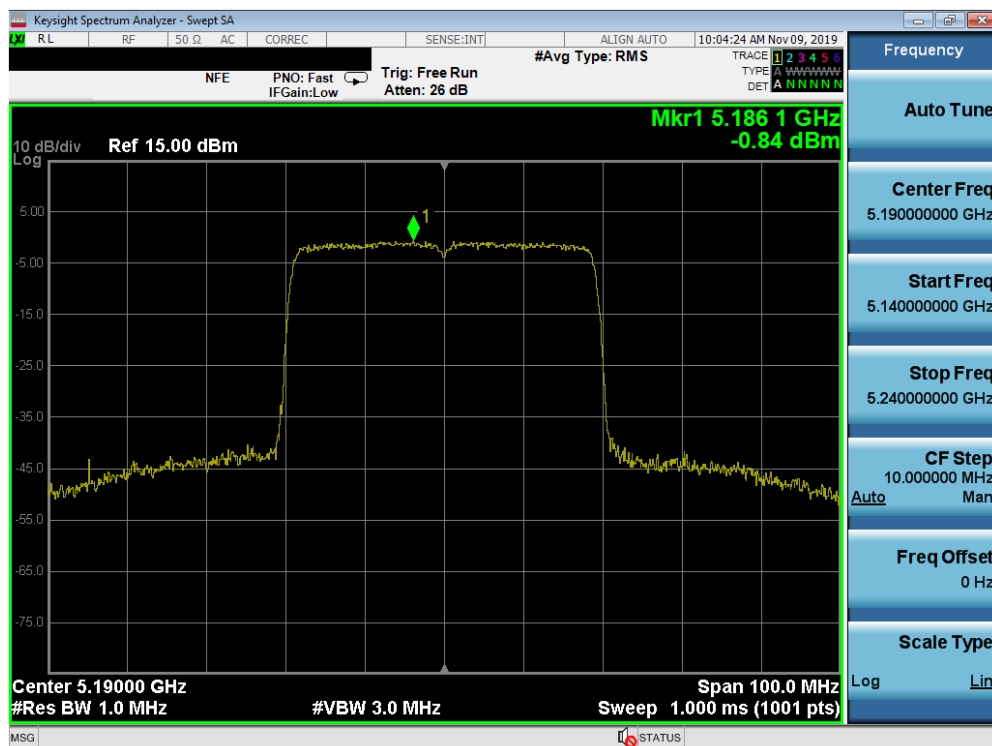


Plot 7-137. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 40)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 114 of 266

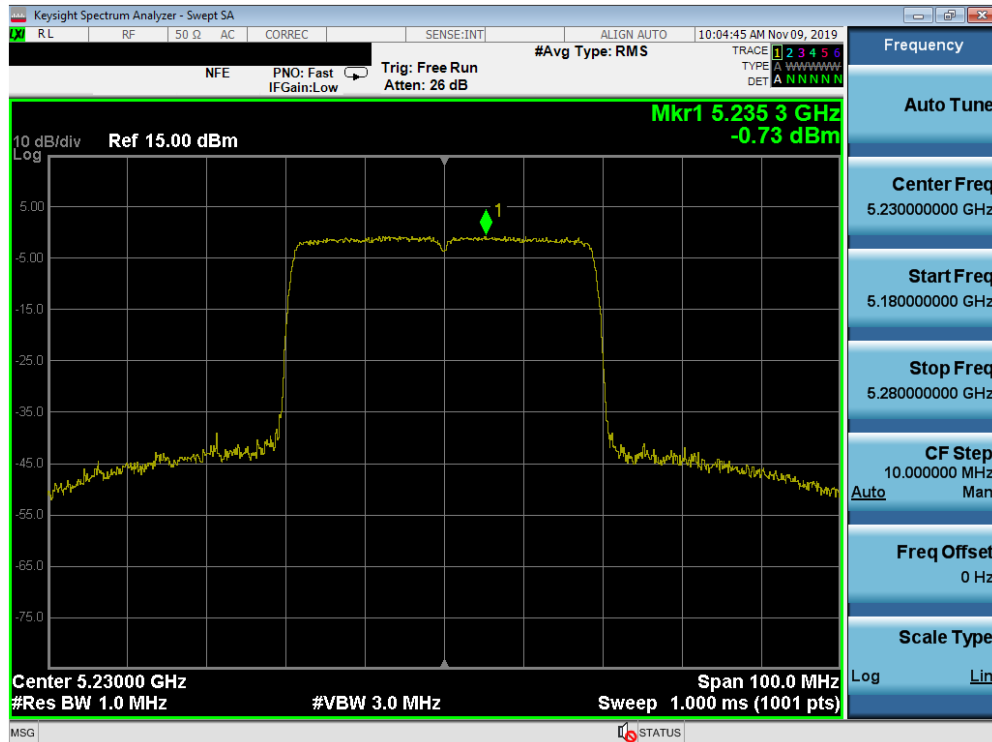


Plot 7-138. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 48)

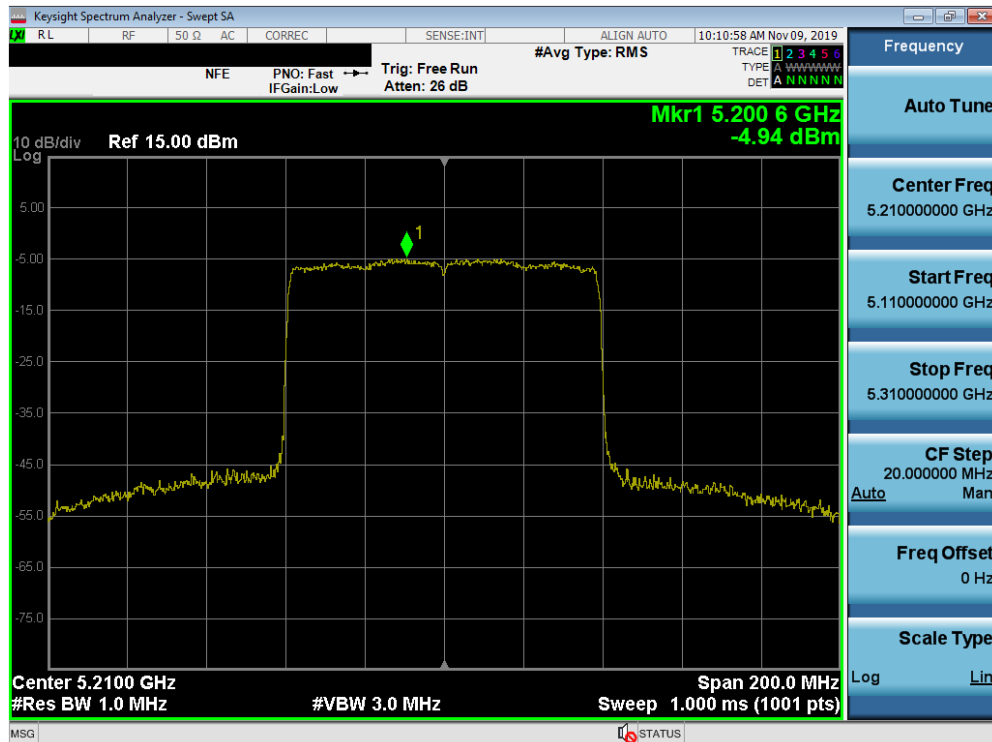


Plot 7-139. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 38)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 115 of 266

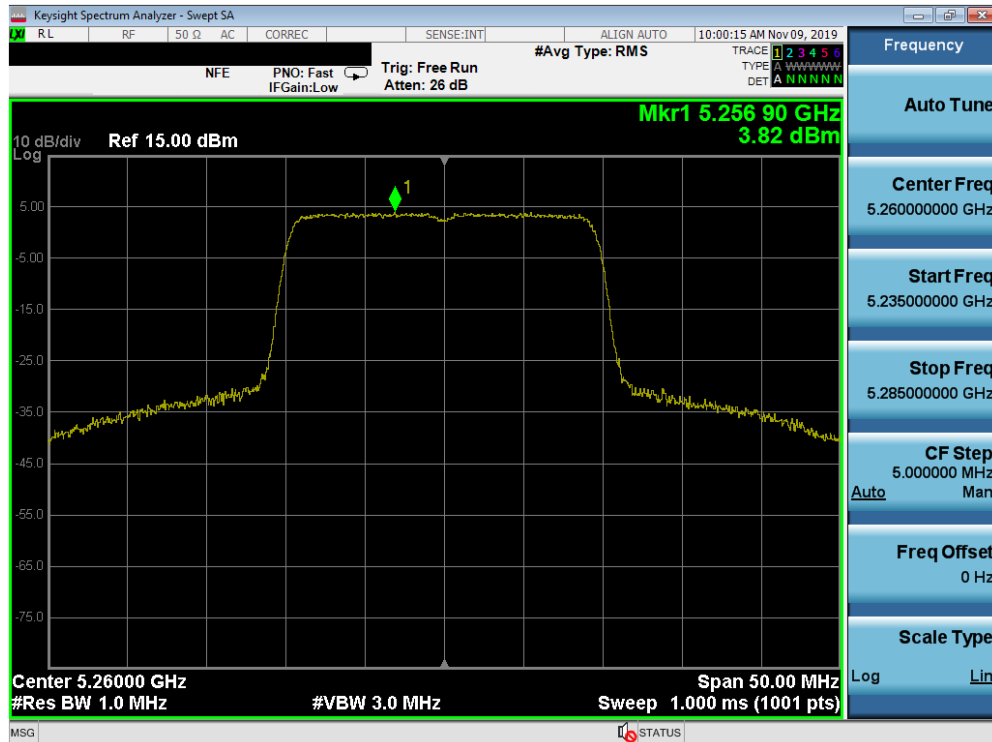


Plot 7-140. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 46)

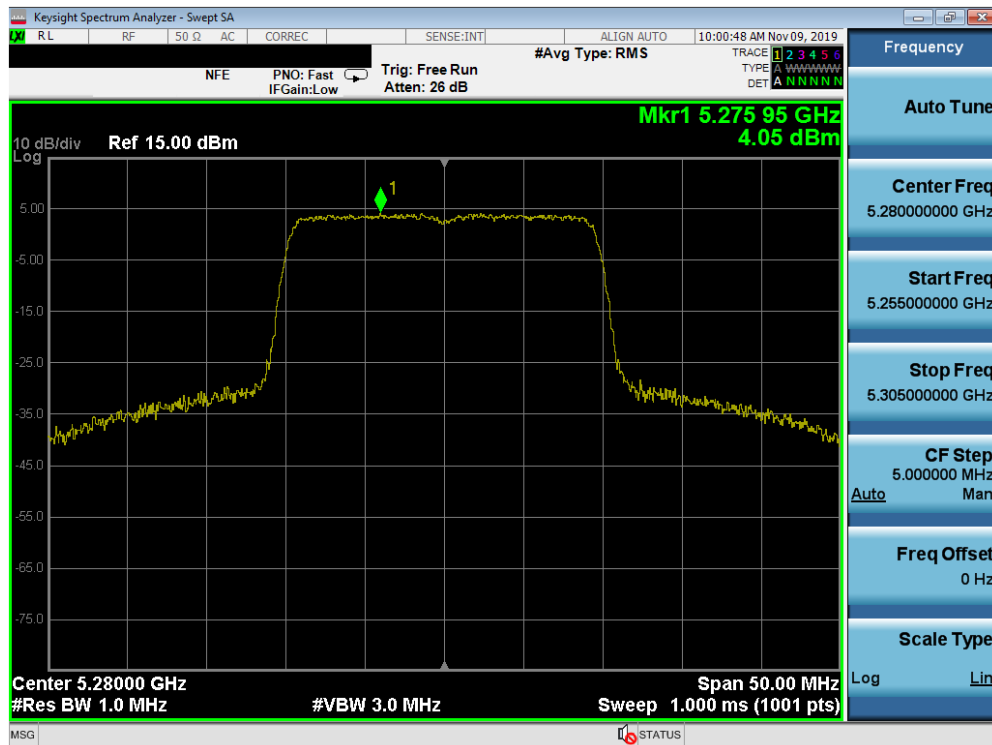


Plot 7-141. Power Spectral Density Plot SISO ANT2 (80MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 42)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 116 of 266

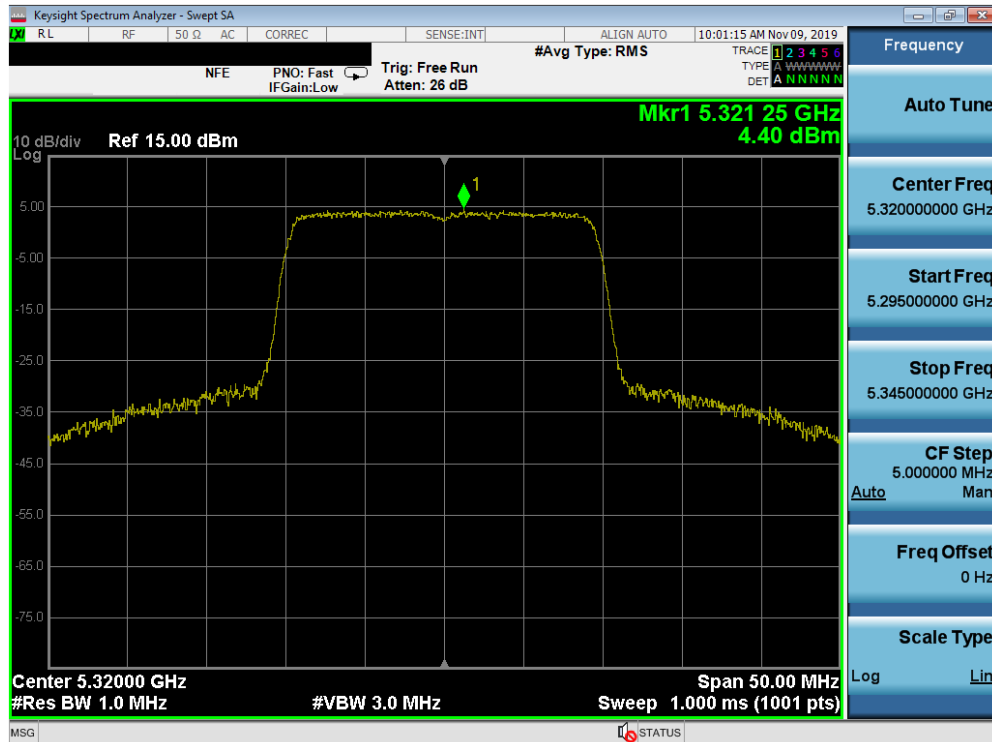


Plot 7-142. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 52)

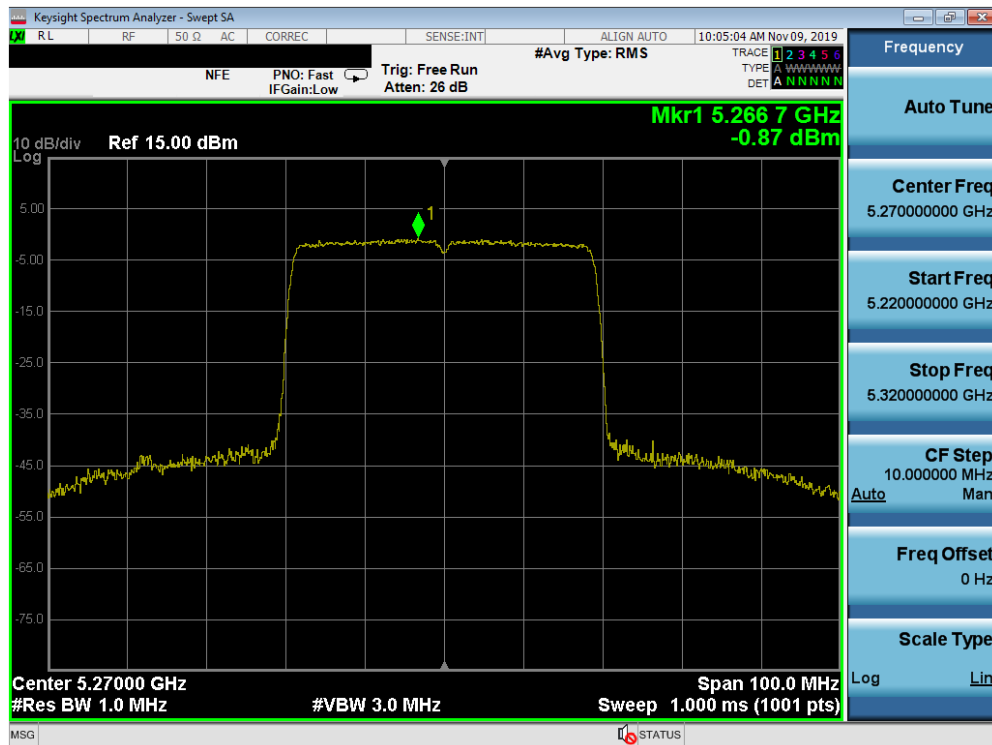


Plot 7-143. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 56)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 117 of 266



Plot 7-144. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 64)

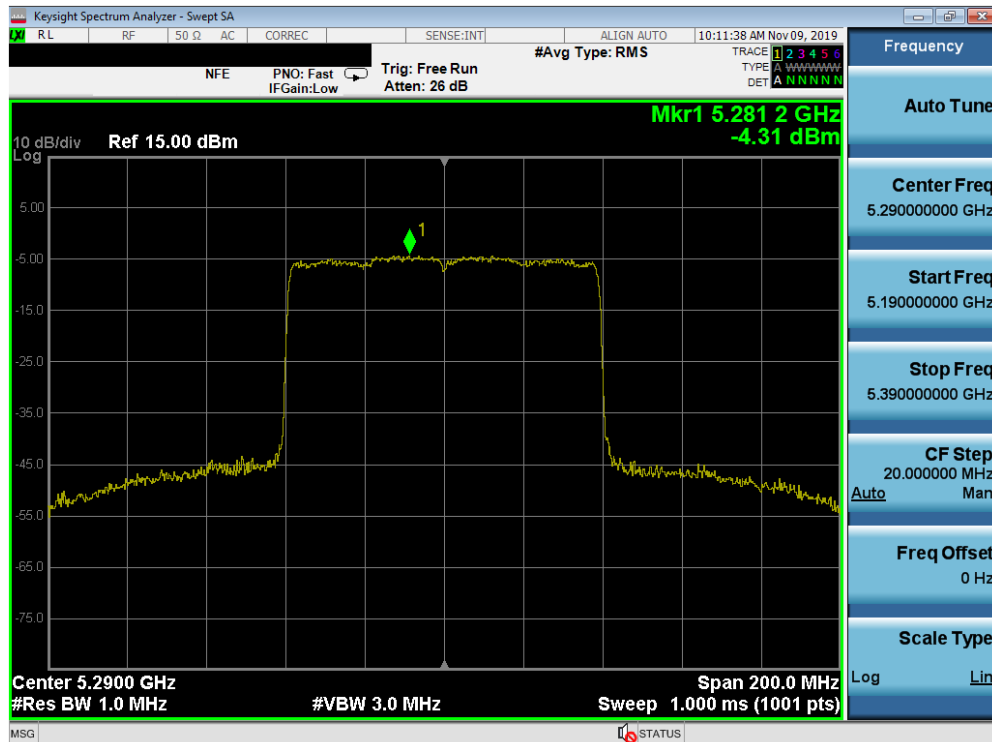


Plot 7-145. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 54)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 118 of 266

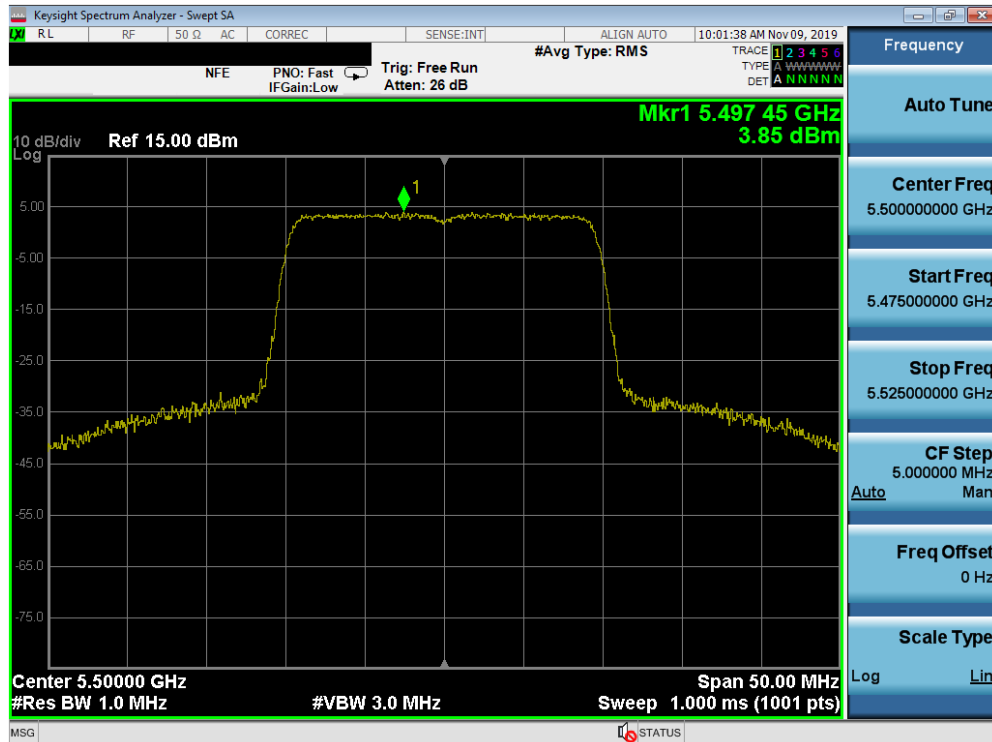


Plot 7-146. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 62)

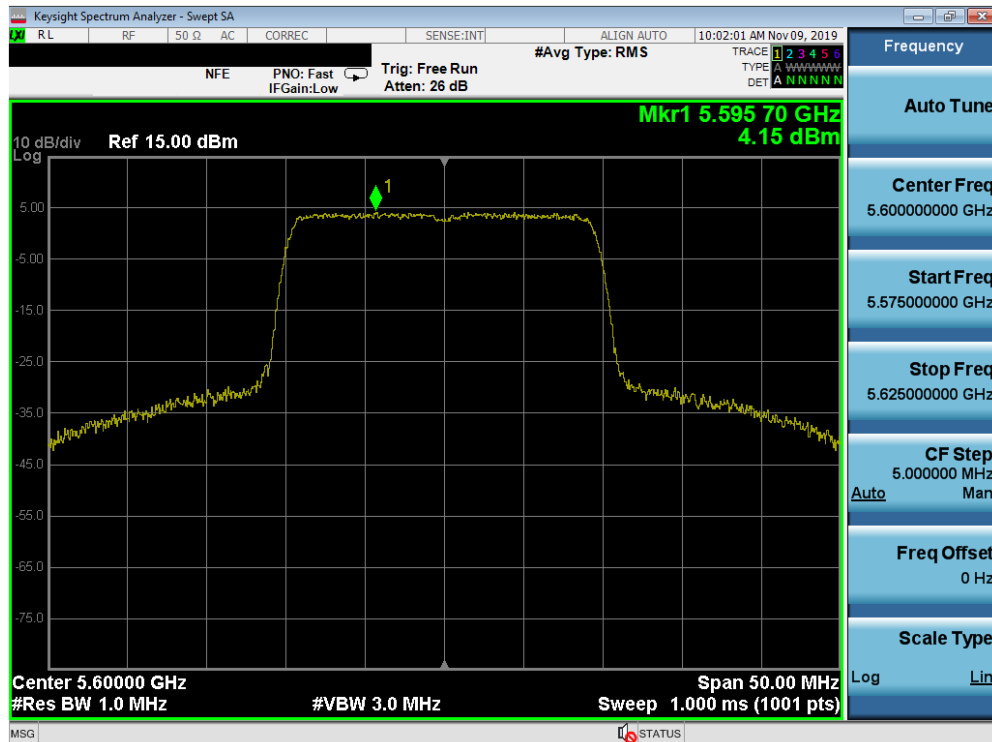


Plot 7-147. Power Spectral Density Plot SISO ANT2 (80MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 58)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 119 of 266

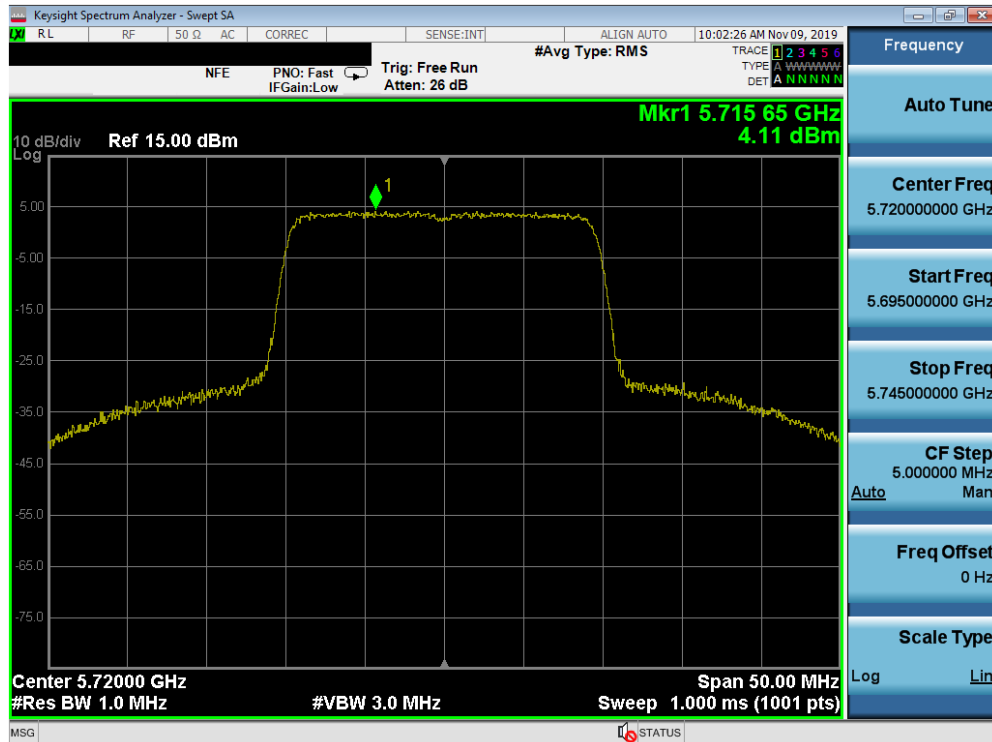


Plot 7-148. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 100)

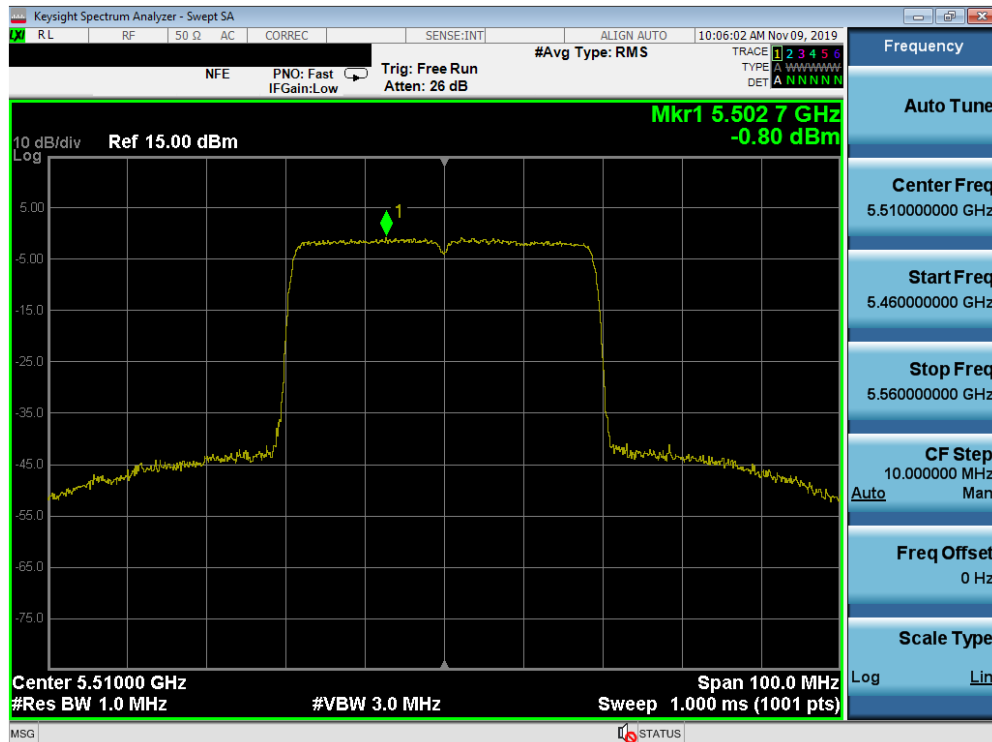


Plot 7-149. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 120)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 120 of 266

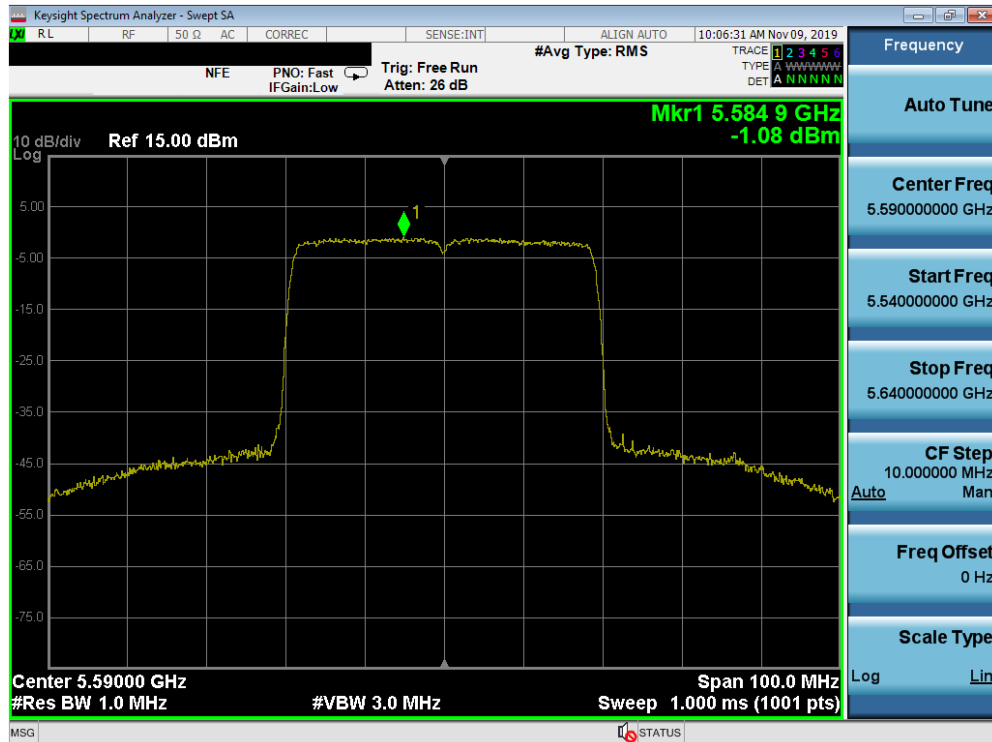


Plot 7-150. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 144)

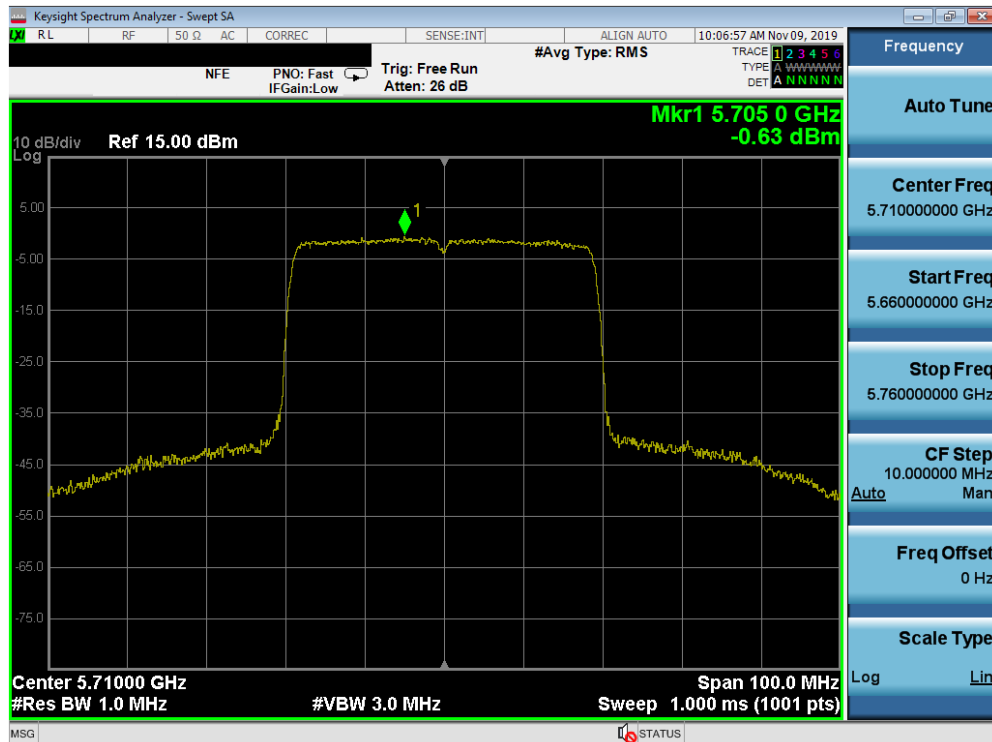


Plot 7-151. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 102)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 121 of 266

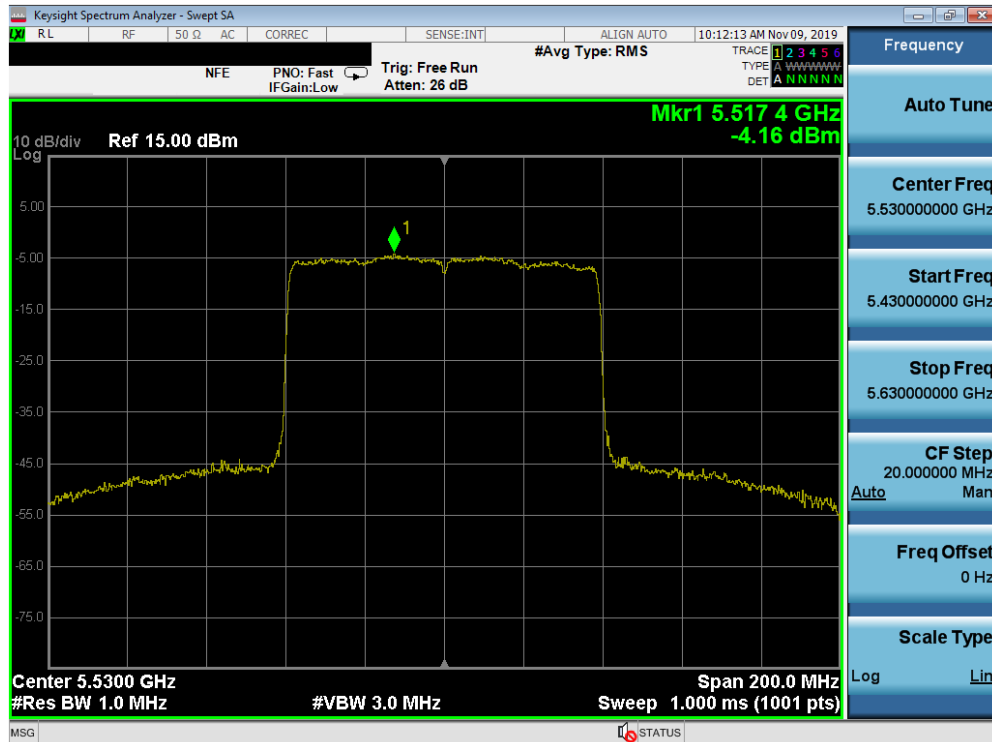


Plot 7-152. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 118)

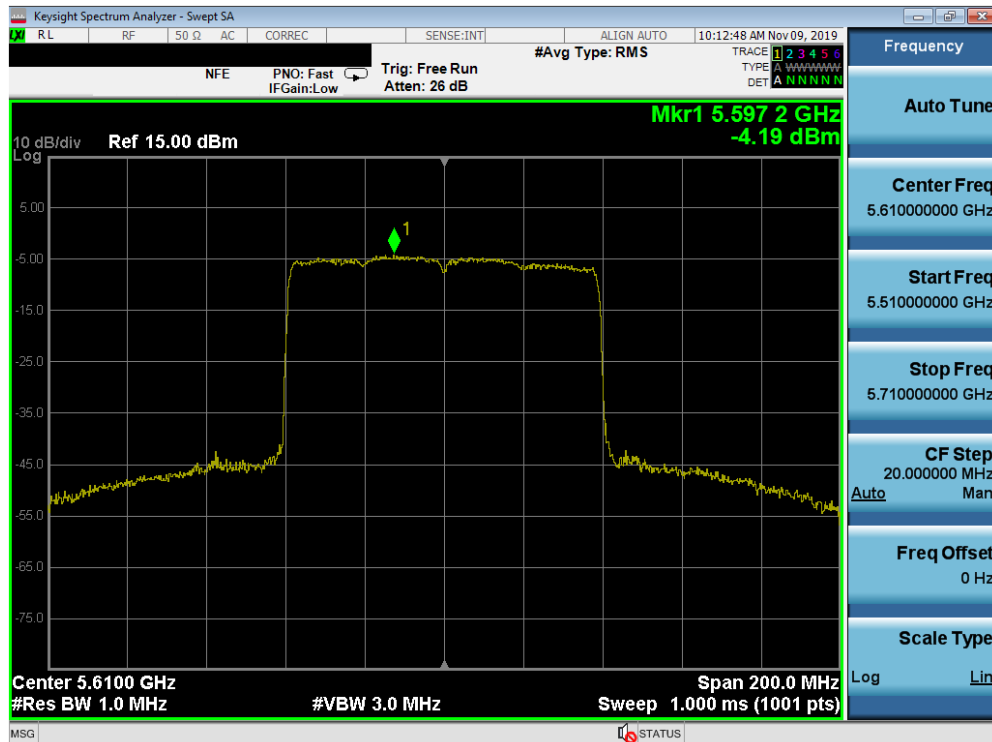


Plot 7-153. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 142)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 122 of 266

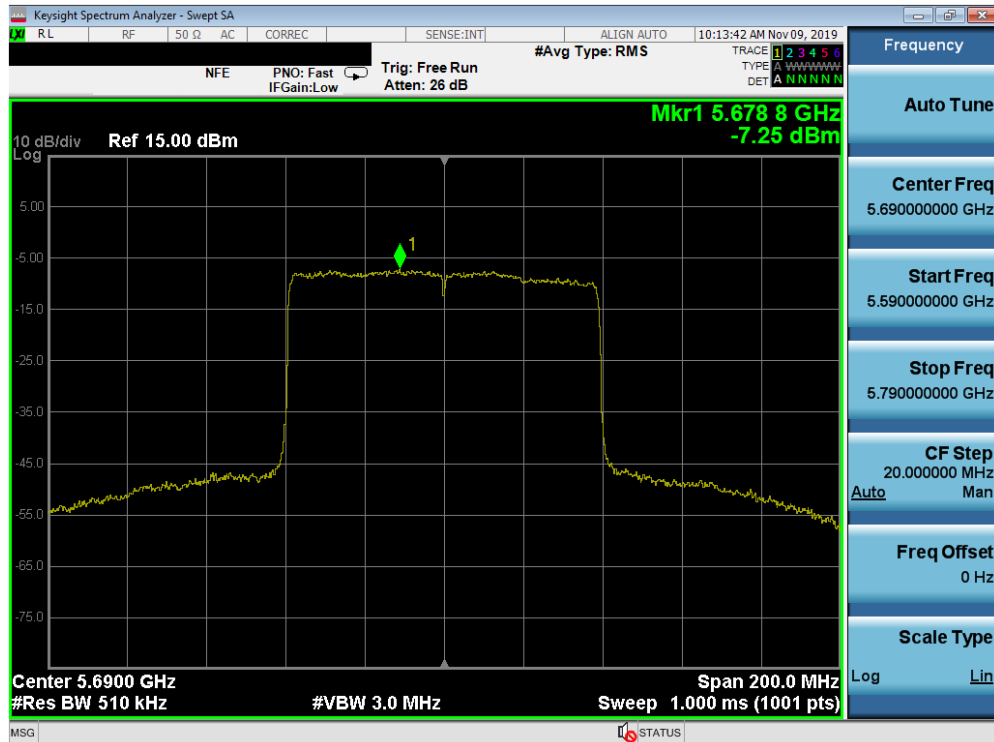


Plot 7-154. Power Spectral Density Plot SISO ANT2 (80MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 106)



Plot 7-155. Power Spectral Density Plot SISO ANT2 (80MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 122)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 123 of 266



Plot 7-156. Power Spectral Density Plot SISO ANT2 (80MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 138)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 124 of 266

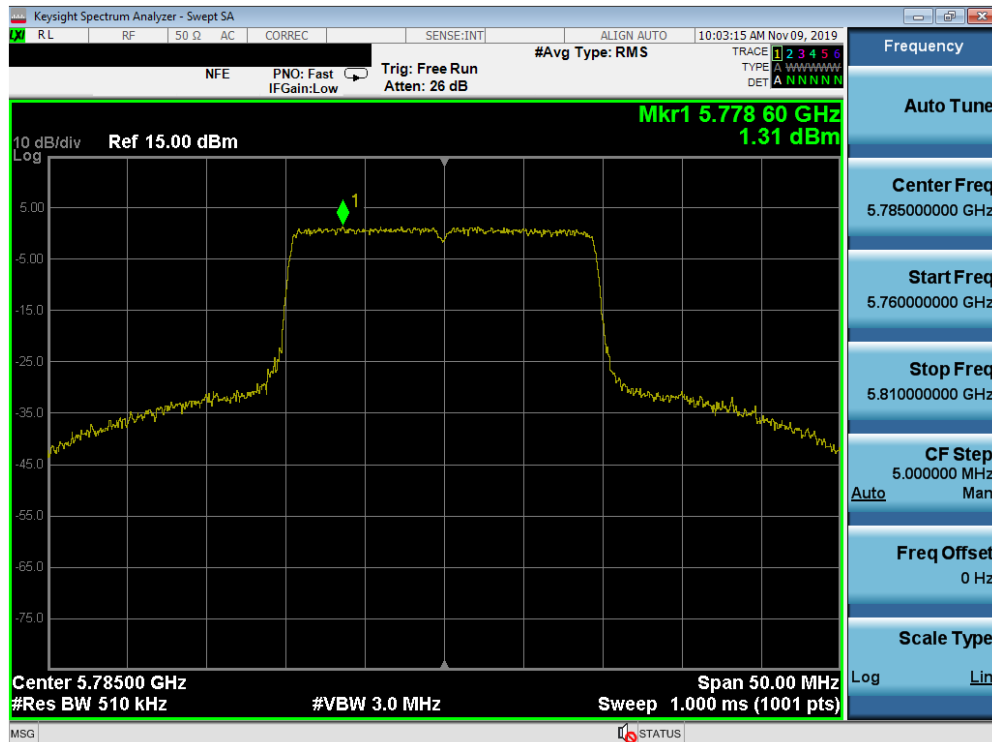
	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Measured Power Density [dBm]	Max Permissible Power Density	Margin [dB]
Band 3	5745	149	ax (20MHz)	242T	MCS0	1.25	30.00	-28.75
	5785	157	ax (20MHz)	242T	MCS0	1.31	30.00	-28.69
	5825	165	ax (20MHz)	242T	MCS0	1.39	30.00	-28.61
	5755	151	ax (40MHz)	242T	MCS0	-3.16	30.00	-33.16
	5795	159	ax (40MHz)	242T	MCS0	-3.38	30.00	-33.38
	5775	155	ax (80MHz)	242T	MCS0	-4.88	30.00	-34.88

Table 7-58. Band 3 Conducted Power Spectral Density Measurements SISO ANT2 (Full Tones)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 125 of 266

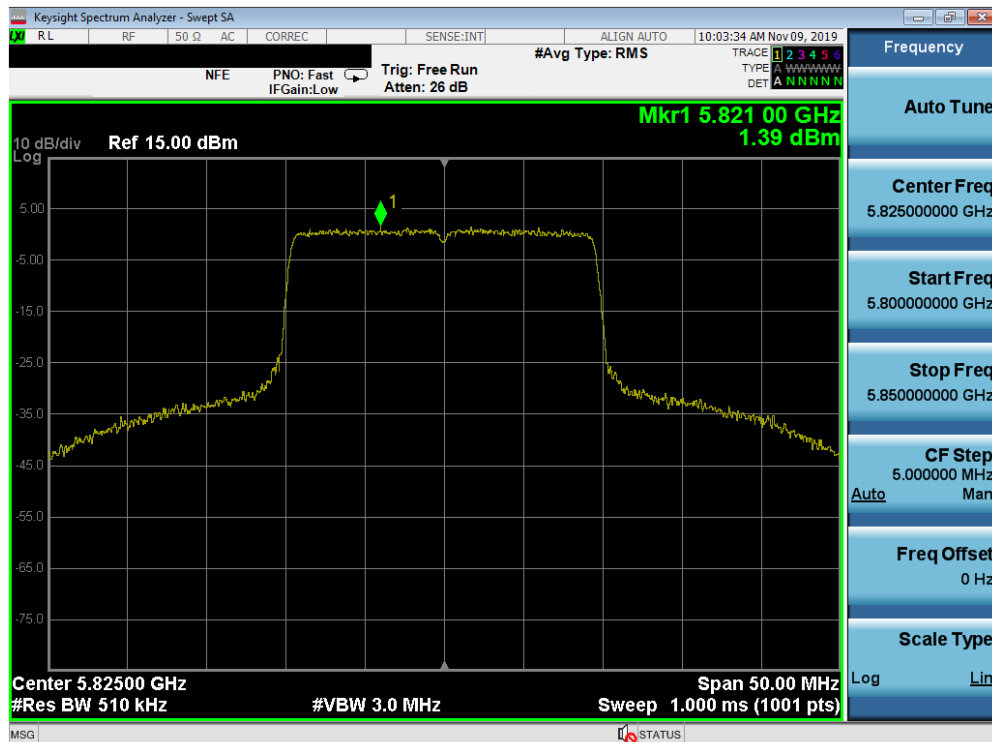


Plot 7-157. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11ax – Full Tones (UNII Band 3) – Ch. 149)

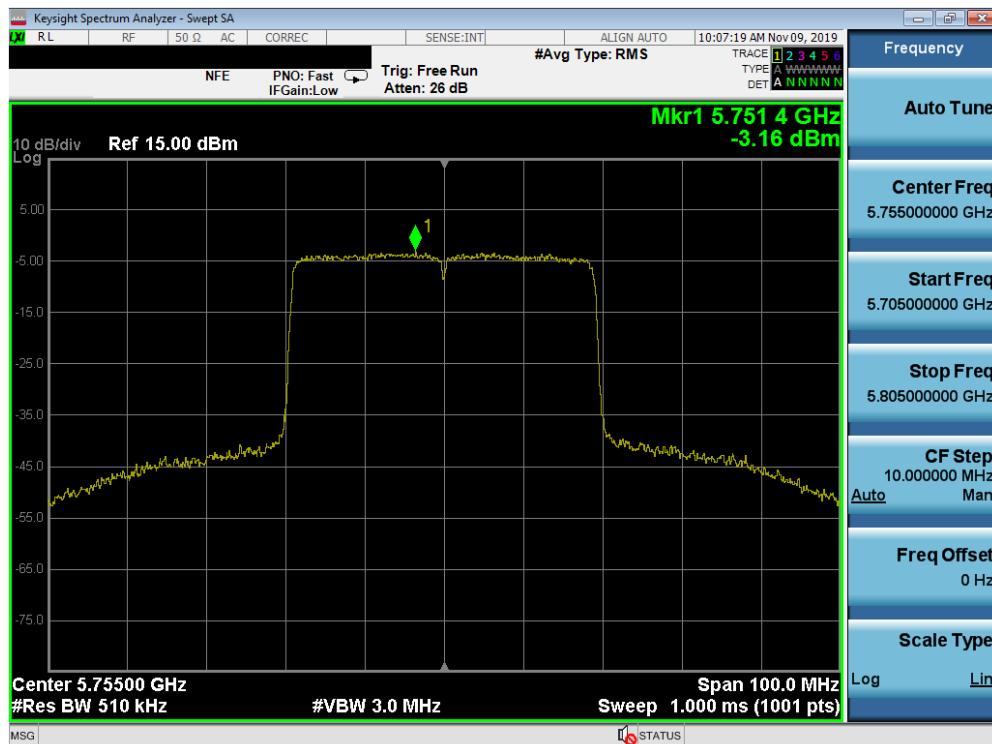


Plot 7-158. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11ax – Full Tones (UNII Band 3) – Ch. 157)

FCC ID: A3LSMG986JPN	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 126 of 266

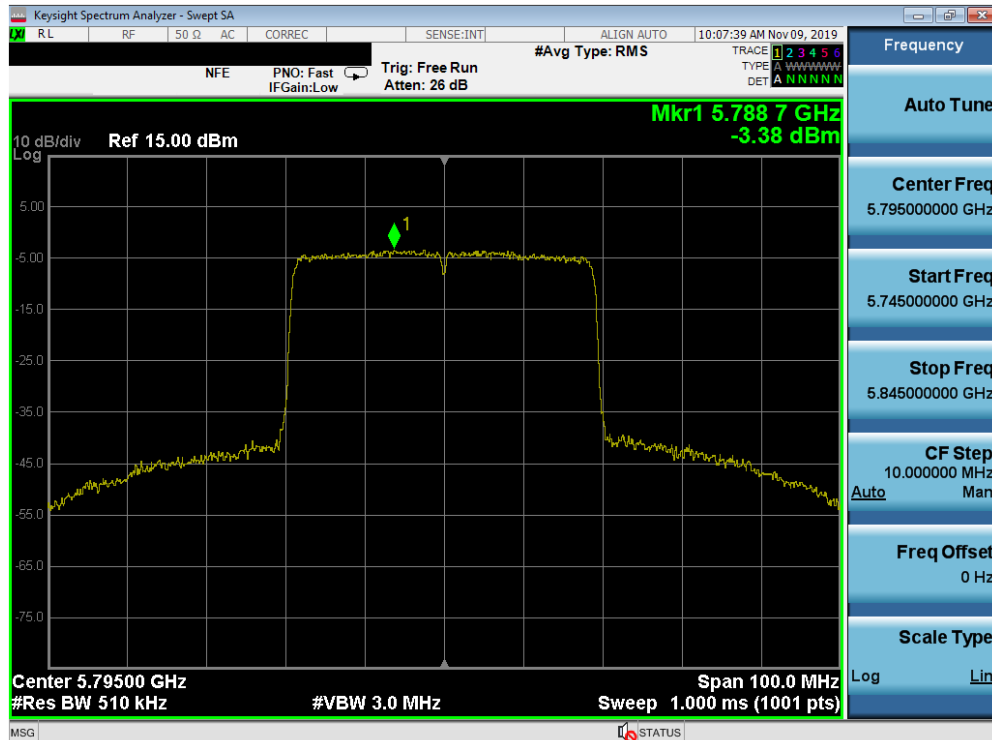


Plot 7-159. Power Spectral Density Plot SISO ANT2 (20 MHz BW 802.11ax – Full Tones (UNII Band 3) – Ch. 165)

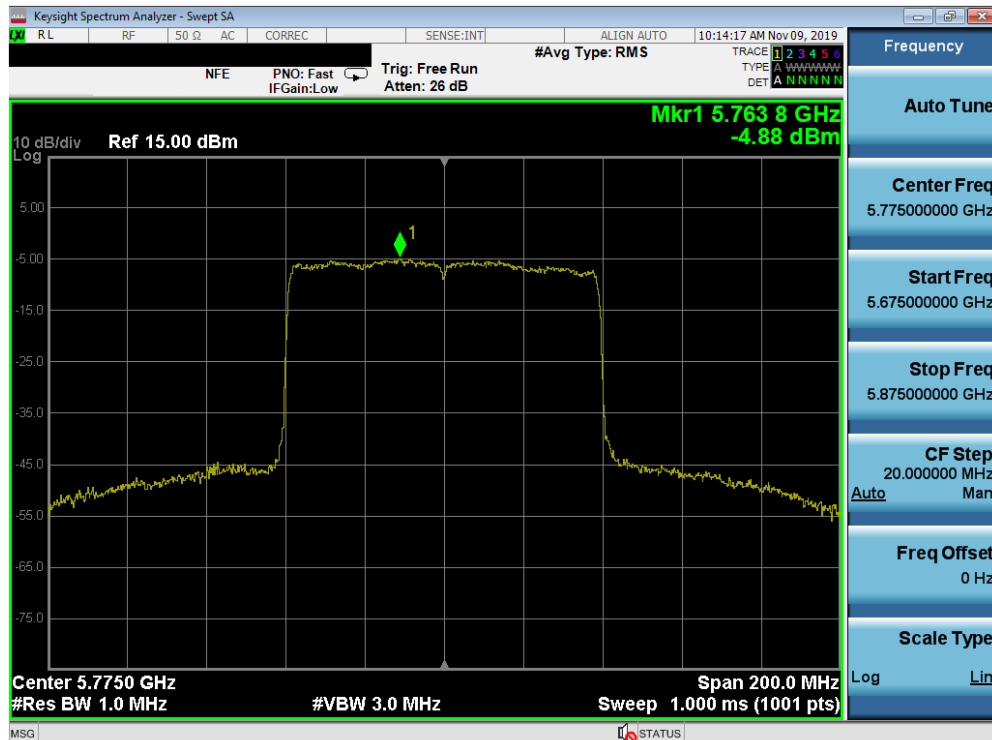


Plot 7-160. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11ax – Full Tones (UNII Band 3) – Ch. 151)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 127 of 266



Plot 7-161. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11ax – Full Tones (UNII Band 3) – Ch. 159)



Plot 7-162. Power Spectral Density Plot SISO ANT2 (80MHz BW 802.11ax – Full Tones (UNII Band 3) – Ch. 155)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 128 of 266

Summed MIMO Power Spectral Density Measurements (26 Tones)

	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Antenna-1 Power Density [dBm]	Antenna-2 Power Density [dBm]	Summed MIMO Power Density [dBm]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	26T	MCS0	5.16	6.17	8.70	11.00	-2.30
	5200	40	ax (20MHz)	26T	MCS0	5.07	6.33	8.76	11.00	-2.24
	5240	48	ax (20MHz)	26T	MCS0	5.83	6.50	9.19	11.00	-1.81
	5190	38	ax (40MHz)	26T	MCS0	5.92	6.01	8.97	11.00	-2.03
	5230	46	ax (40MHz)	26T	MCS0	6.29	6.29	9.30	11.00	-1.70
Band 2A	5210	42	ax (80MHz)	26T	MCS0	6.36	6.32	9.35	11.00	-1.65
	5260	52	ax (20MHz)	26T	MCS0	4.36	5.04	7.72	11.00	-3.28
	5280	56	ax (20MHz)	26T	MCS0	4.44	4.88	7.67	11.00	-3.33
	5320	64	ax (20MHz)	26T	MCS0	5.28	5.61	8.46	11.00	-2.54
	5270	54	ax (40MHz)	26T	MCS0	5.18	5.03	8.12	11.00	-2.88
Band 2C	5310	62	ax (40MHz)	26T	MCS0	5.85	5.88	8.87	11.00	-2.13
	5290	58	ax (80MHz)	26T	MCS0	5.53	6.01	8.79	11.00	-2.21
	5500	100	ax (20MHz)	26T	MCS0	4.92	4.30	7.63	11.00	-3.37
	5600	120	ax (20MHz)	26T	MCS0	4.18	4.65	7.43	11.00	-3.57
	5720	144	ax (20MHz)	26T	MCS0	4.68	4.90	7.80	11.00	-3.20
	5510	102	ax (40MHz)	26T	MCS0	5.59	4.99	8.31	11.00	-2.69
	5590	118	ax (40MHz)	26T	MCS0	6.72	5.68	9.24	11.00	-1.76
	5710	142	ax (40MHz)	26T	MCS0	5.91	5.01	8.49	11.00	-2.51
	5530	106	ax (80MHz)	26T	MCS0	6.66	5.47	9.12	11.00	-1.88
	5610	122	ax (80MHz)	26T	MCS0	6.79	5.45	9.18	11.00	-1.82
	5690	138	ax (80MHz)	26T	MCS0	4.37	3.02	6.76	11.00	-4.24

Table 7-59. Bands 1, 2A, 2C MIMO Conducted Power Spectral Density Measurements MIMO (26 Tones)

	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Antenna-1 Power Density [dBm]	Antenna-2 Power Density [dBm]	Summed MIMO Power Density [dBm]	Max Permissible Power Density	Margin [dB]
Band 3	5745	149	ax (20MHz)	26T	MCS0	2.69	3.73	6.25	30.00	-23.75
	5785	157	ax (20MHz)	26T	MCS0	2.67	3.04	5.87	30.00	-24.13
	5825	165	ax (20MHz)	26T	MCS0	2.29	2.91	5.62	30.00	-24.38
	5755	151	ax (40MHz)	26T	MCS0	2.67	2.85	5.77	30.00	-24.23
	5795	159	ax (40MHz)	26T	MCS0	2.85	3.49	6.19	30.00	-23.81
	5775	155	ax (80MHz)	26T	MCS0	6.10	6.47	9.30	30.00	-20.70

Table 7-60. Band 3 MIMO Conducted Power Spectral Density Measurements MIMO (26 Tones)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 129 of 266

	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Antenna-1 Power Density [dBm]	Antenna-2 Power Density [dBm]	Summed MIMO Power Density [dBm]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	242T	MCS0	0.62	0.89	3.77	11.00	-7.23
	5200	40	ax (20MHz)	242T	MCS0	0.77	1.12	3.96	11.00	-7.04
	5240	48	ax (20MHz)	242T	MCS0	1.68	1.42	4.56	11.00	-6.44
	5190	38	ax (40MHz)	484T	MCS0	-1.84	-1.46	1.36	11.00	-9.64
	5230	46	ax (40MHz)	484T	MCS0	-2.44	-1.99	0.80	11.00	-10.20
	5210	42	ax (80MHz)	996T	MCS0	-6.16	-6.96	-3.53	11.00	-14.53
Band 2A	5260	52	ax (20MHz)	242T	MCS0	2.15	1.57	4.88	11.00	-6.12
	5280	56	ax (20MHz)	242T	MCS0	3.00	1.47	5.31	11.00	-5.69
	5320	64	ax (20MHz)	242T	MCS0	2.78	1.28	5.10	11.00	-5.90
	5270	54	ax (40MHz)	484T	MCS0	-2.97	-2.68	0.19	11.00	-10.81
	5310	62	ax (40MHz)	484T	MCS0	-2.15	-2.41	0.73	11.00	-10.27
	5290	58	ax (80MHz)	996T	MCS0	-6.02	-6.61	-3.29	11.00	-14.29
Band 2C	5500	100	ax (20MHz)	242T	MCS0	2.35	1.97	5.17	11.00	-5.83
	5600	120	ax (20MHz)	242T	MCS0	1.78	0.63	4.25	11.00	-6.75
	5720	144	ax (20MHz)	242T	MCS0	1.17	-0.19	3.55	11.00	-7.45
	5510	102	ax (40MHz)	484T	MCS0	-2.67	-3.10	0.13	11.00	-10.87
	5590	118	ax (40MHz)	484T	MCS0	-3.10	-3.54	-0.30	11.00	-11.30
	5710	142	ax (40MHz)	484T	MCS0	-1.51	-2.22	1.16	11.00	-9.84
	5530	106	ax (80MHz)	996T	MCS0	-6.41	-6.83	-3.61	11.00	-14.61
	5610	122	ax (80MHz)	996T	MCS0	-7.14	-7.38	-4.25	11.00	-15.25
	5690	138	ax (80MHz)	996T	MCS0	-9.58	-9.99	-6.77	11.00	-17.77

Table 7-61. Bands 1, 2A, 2C MIMO Conducted Power Spectral Density Measurements MIMO (Full Tones)

	Frequency [MHz]	Channel No.	802.11 Mode	Tones	Data Rate [Mbps]	Antenna-1 Power Density [dBm]	Antenna-2 Power Density [dBm]	Summed MIMO Power Density [dBm]	Max Permissible Power Density	Margin [dB]
Band 3	5745	149	ax (20MHz)	242T	MCS0	-0.88	-0.87	2.13	30.00	-27.87
	5785	157	ax (20MHz)	242T	MCS0	-1.36	-0.89	1.89	30.00	-28.11
	5825	165	ax (20MHz)	242T	MCS0	-1.33	-1.57	1.56	30.00	-28.44
	5755	151	ax (40MHz)	484T	MCS0	-4.52	-4.22	-1.36	30.00	-31.36
	5795	159	ax (40MHz)	484T	MCS0	-5.82	-6.07	-2.93	30.00	-32.93
	5775	155	ax (80MHz)	996T	MCS0	-7.66	-6.62	-4.10	30.00	-34.10

Table 7-62. Band 3 MIMO Conducted Power Spectral Density Measurements MIMO (Full Tones)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 130 of 266



Note:

Per ANSI C63.10-2013 Section 14.3.2.2 and KDB 662911 v02r01 Section E)2), the power spectral density at Antenna 1 and Antenna 2 were first measured separately with reduced Antenna 1 and Antenna 2 powers per manufacture's tune-up document. The measured values were then summed in linear power units then converted back to dBm.

Sample MIMO Calculation:

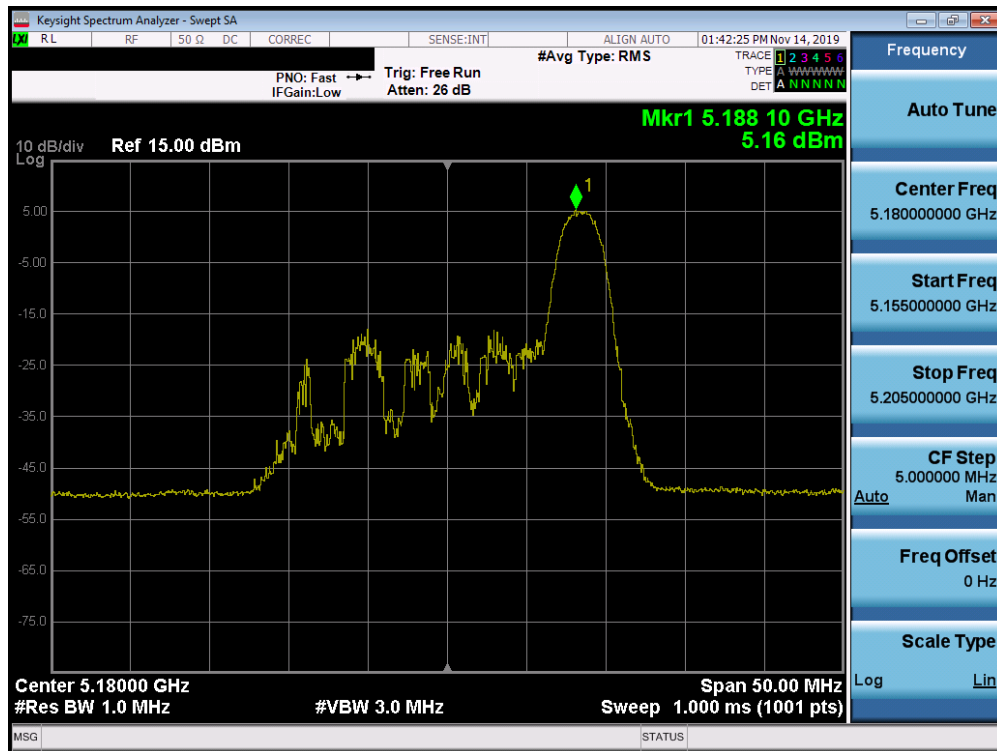
Assuming the average conducted power spectral density was measured to be 5.88 dBm for Antenna-1 and 6.27 dBm for Antenna-2.

Antenna 1 + Antenna 2 = MIMO

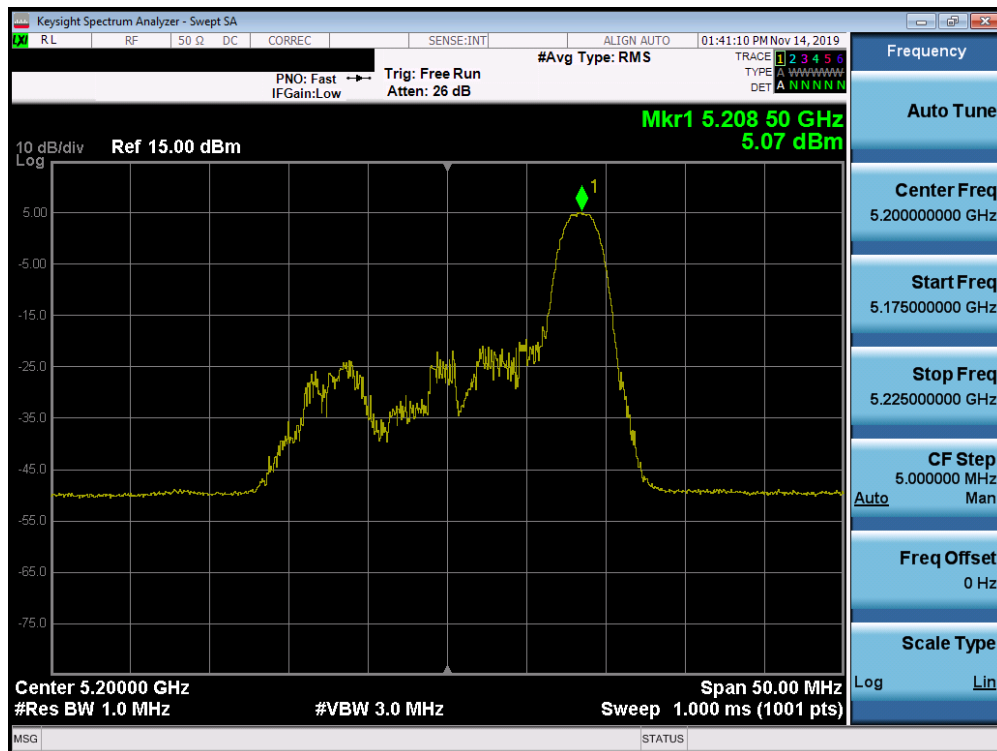
$$(5.88 \text{ dBm} + 6.27 \text{ dBm}) = (3.87 \text{ mW} + 4.24 \text{ mW}) = 8.11 \text{ mW} = 9.09 \text{ dBm}$$

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset	Page 131 of 266	

MIMO Antenna-1 Power Spectral Density Measurements (26 Tones)

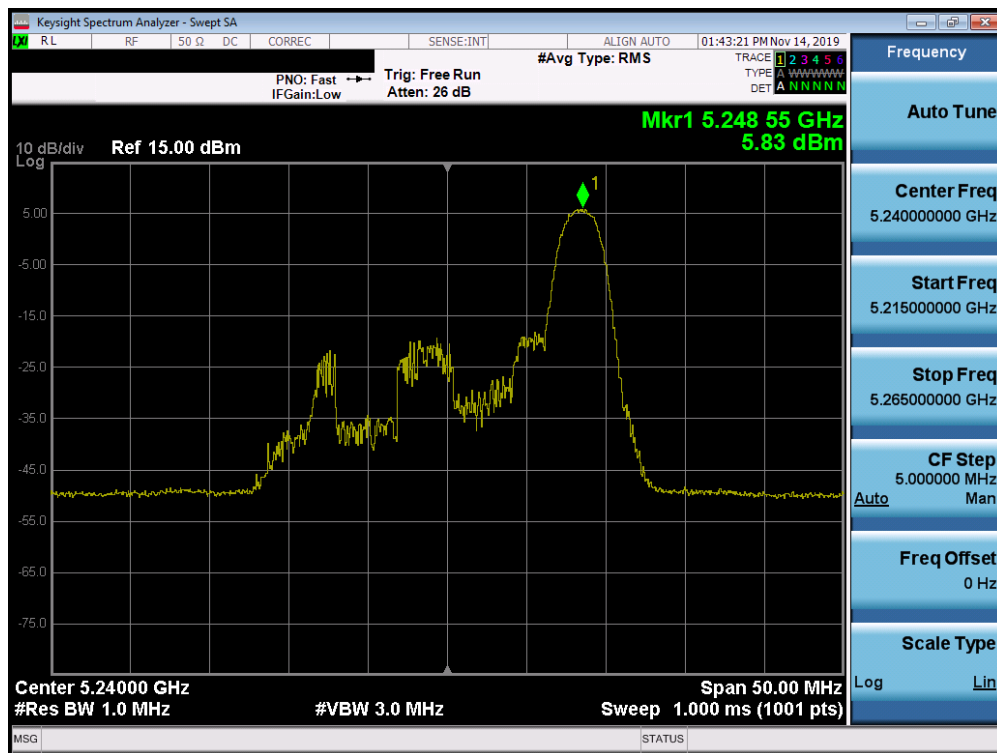


Plot 7-163. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 36)

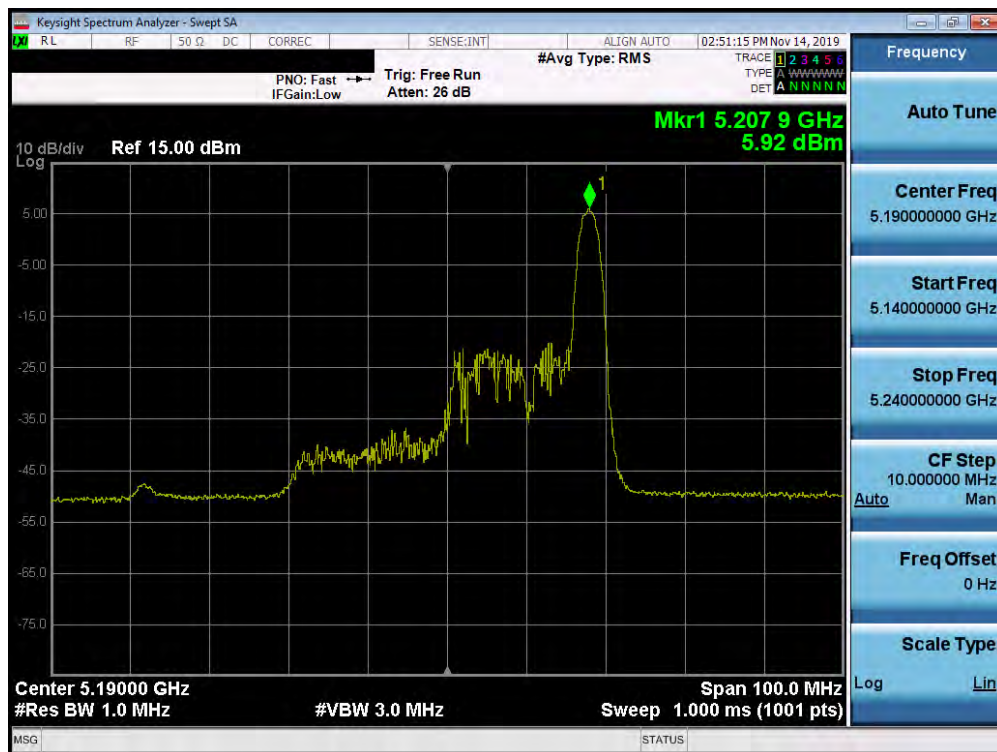


Plot 7-164. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 40)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 132 of 266

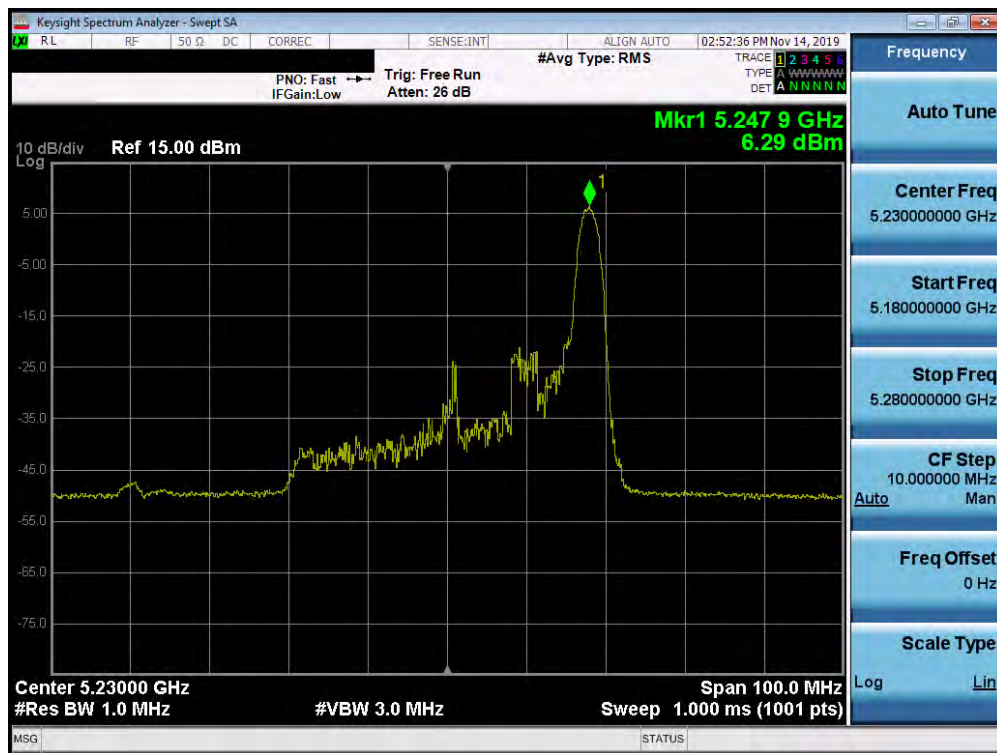


Plot 7-165. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 48)

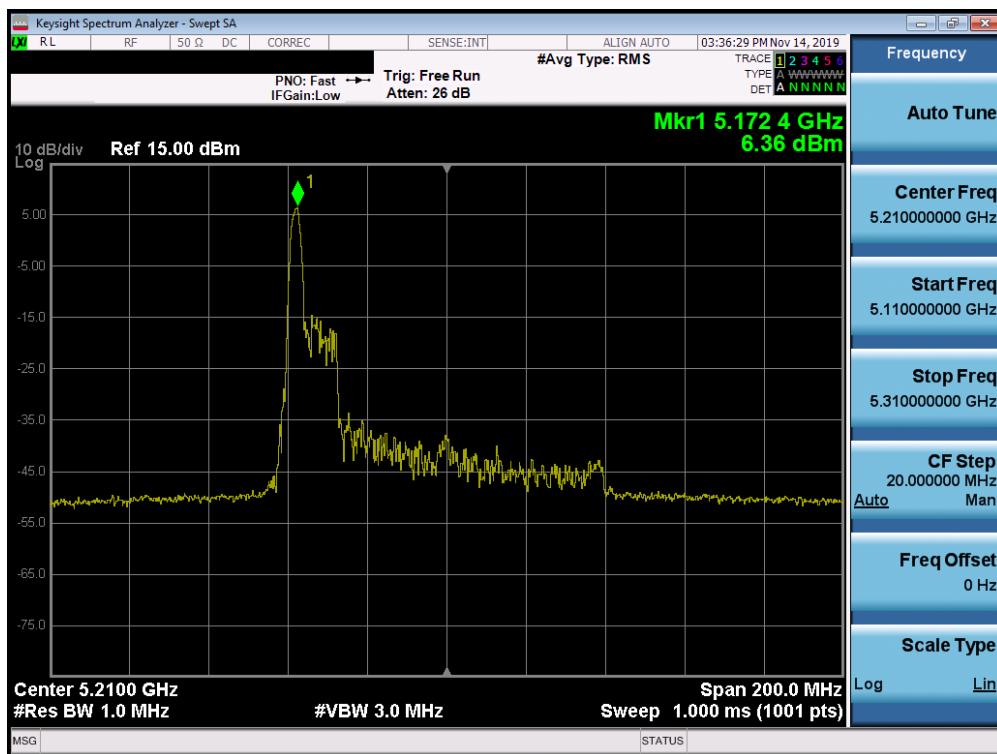


Plot 7-166. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 38)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 133 of 266

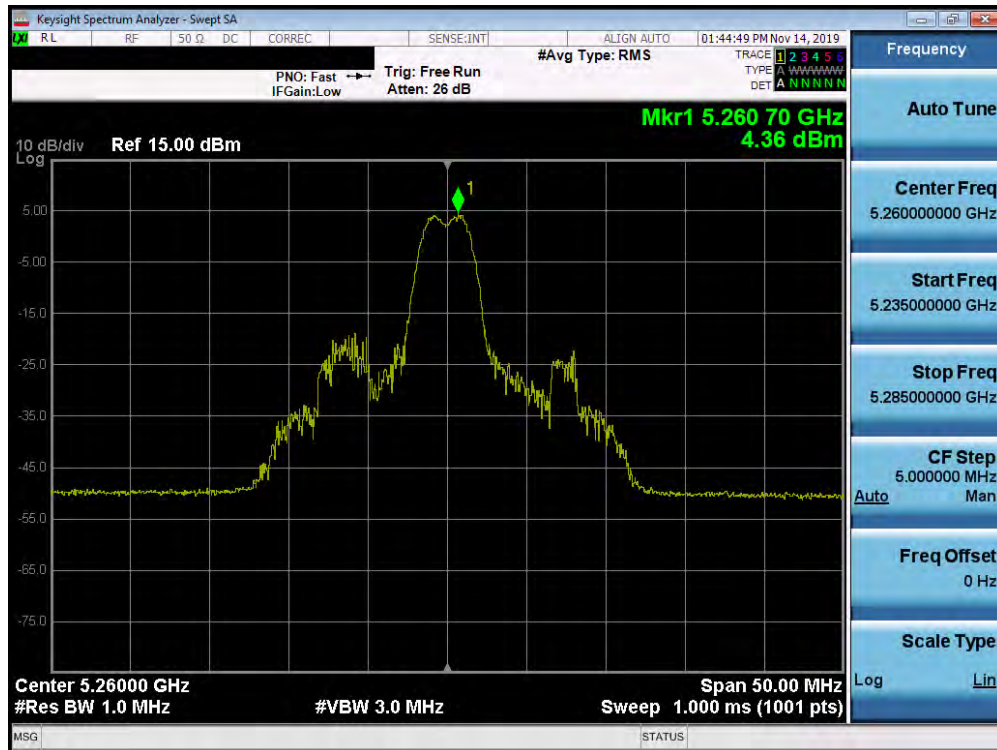


Plot 7-167. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 46)

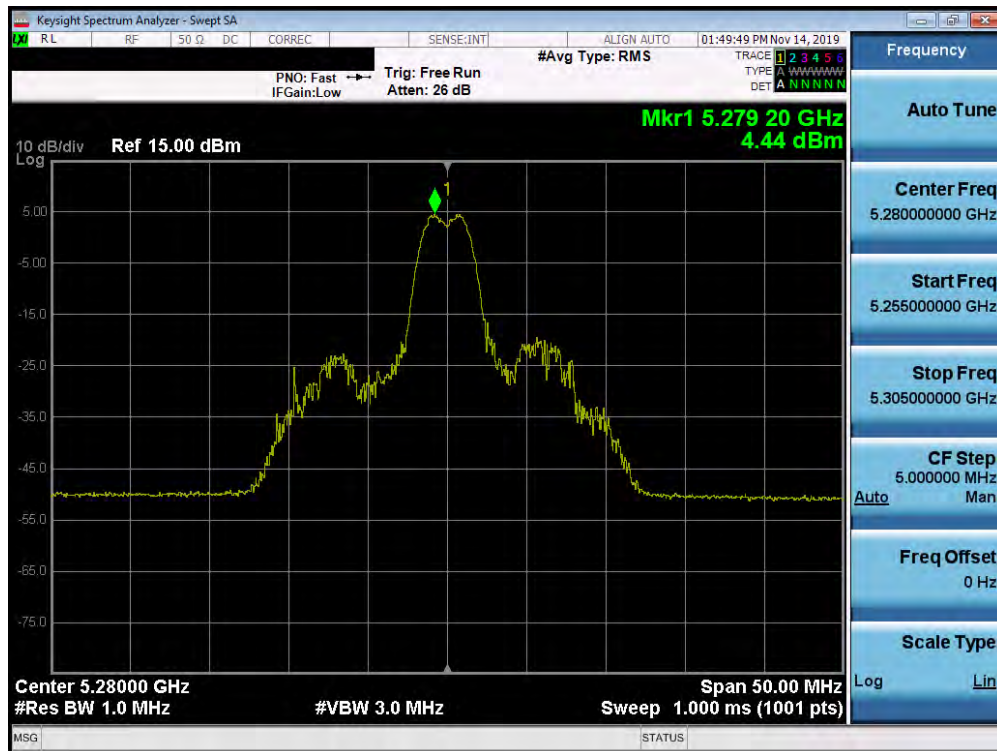


Plot 7-168. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 42)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 134 of 266

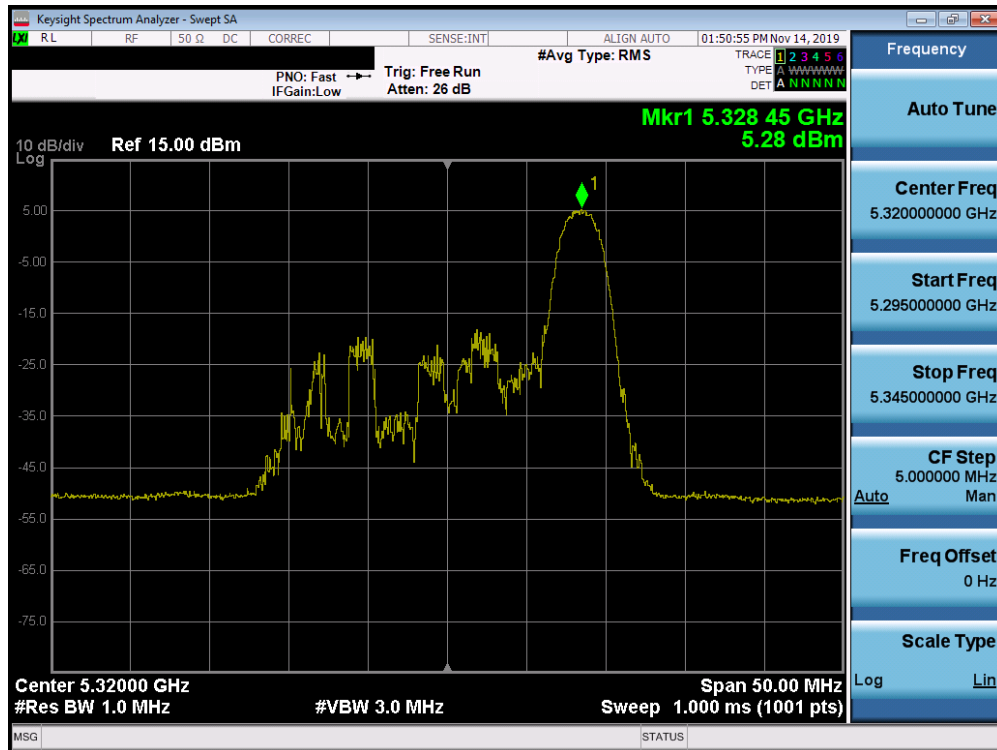


Plot 7-169. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 52)

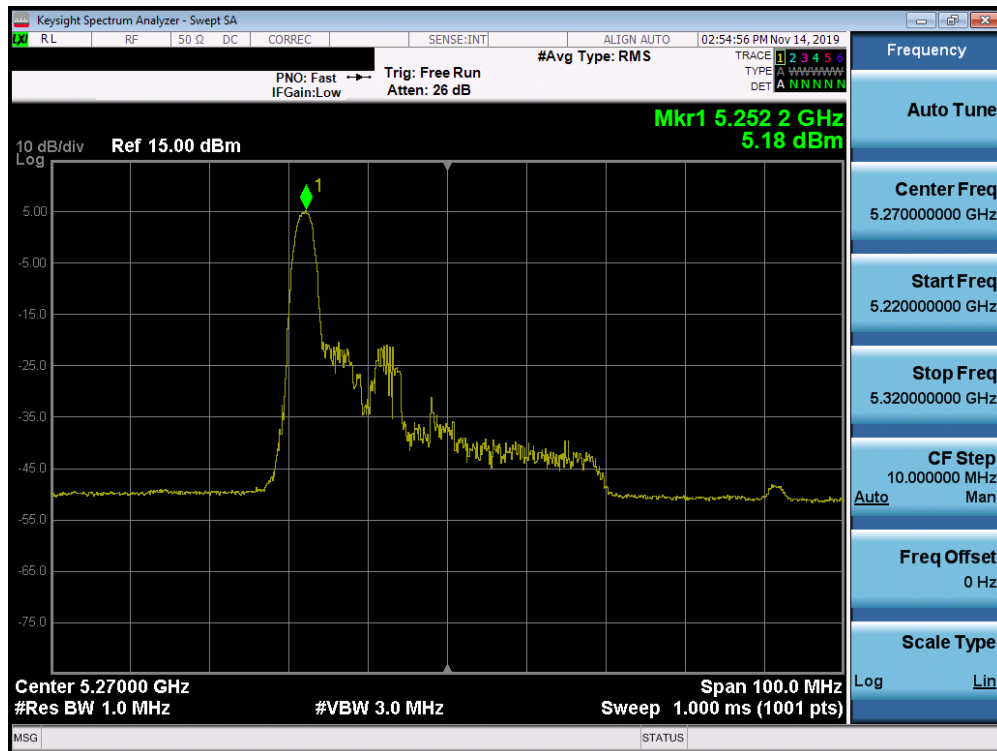


Plot 7-170. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 56)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 135 of 266

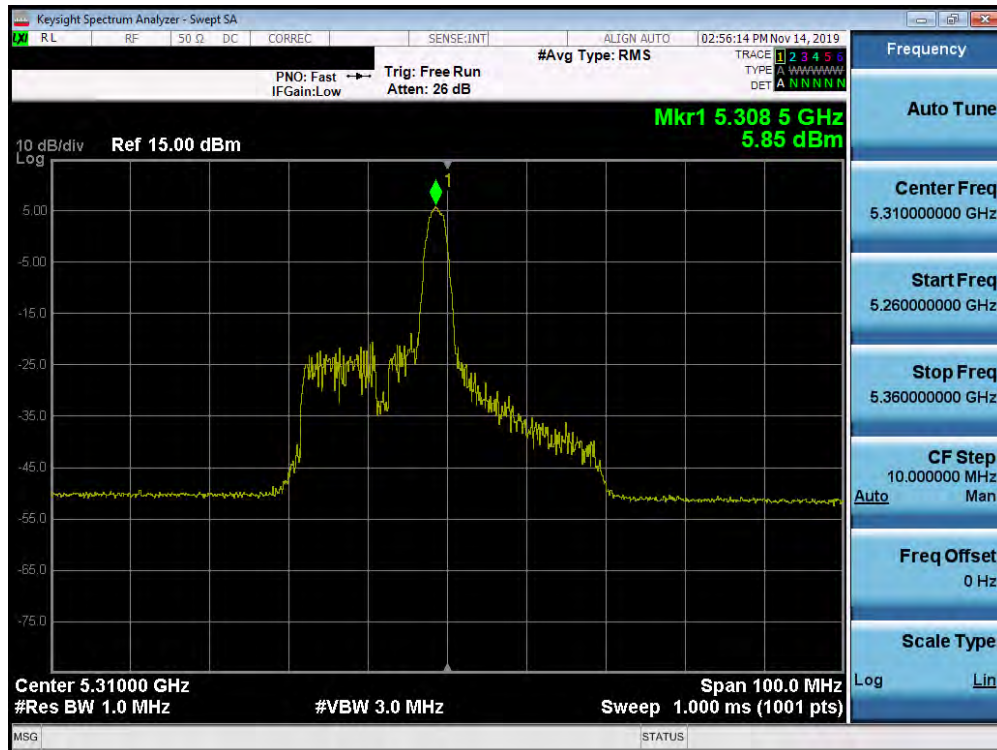


Plot 7-171. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 64)

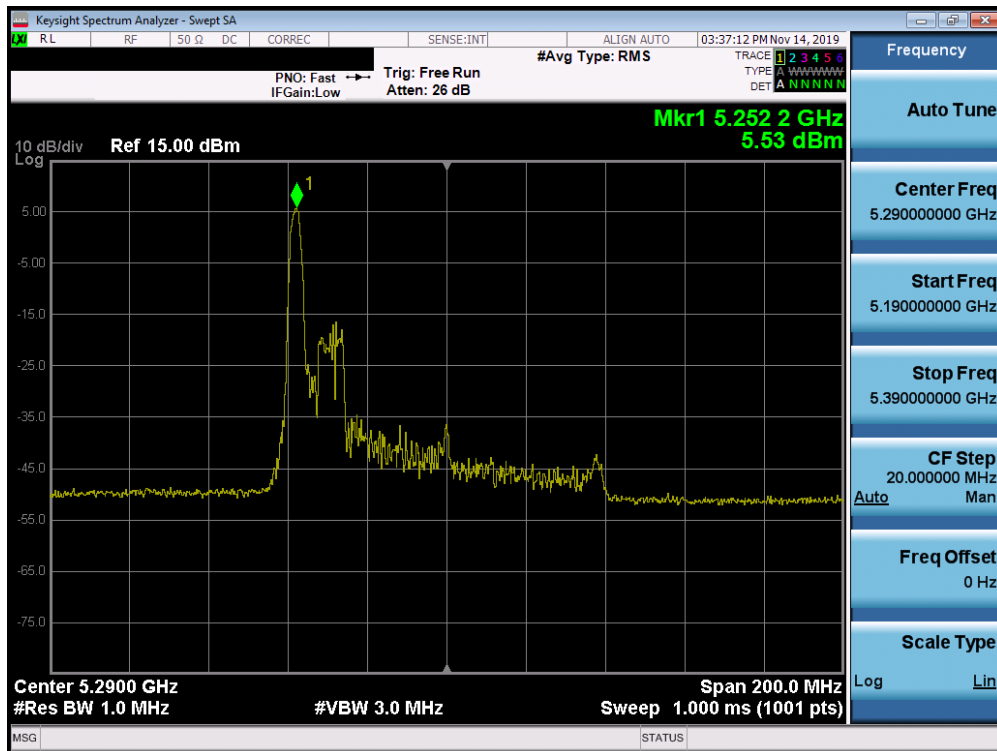


Plot 7-172. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 54)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 136 of 266

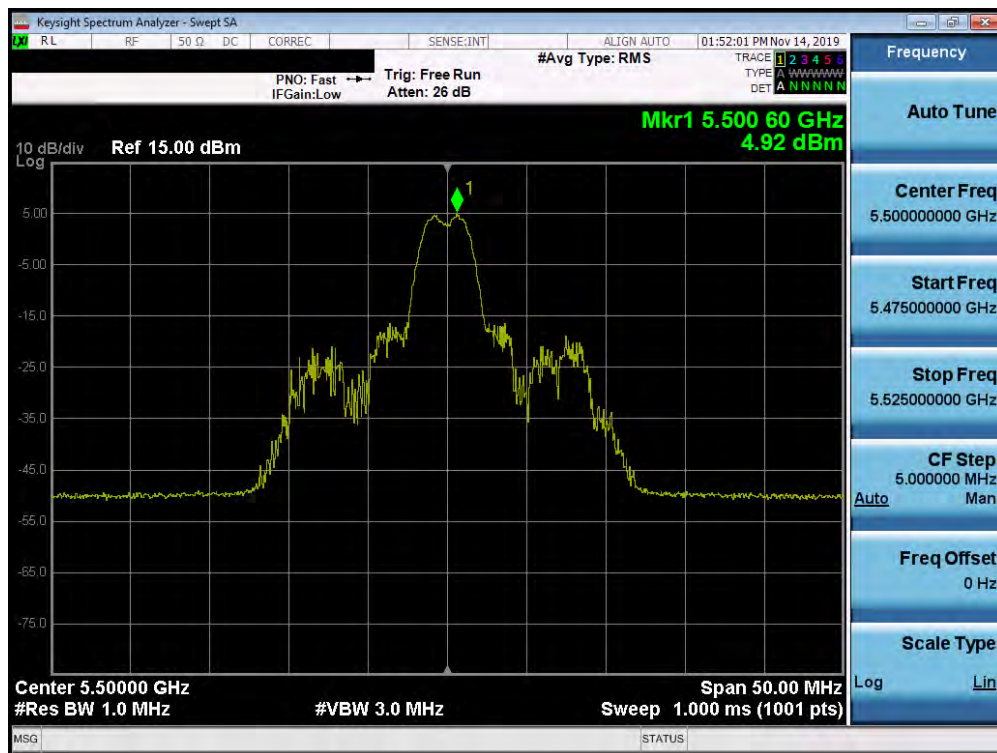


Plot 7-173. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 62)

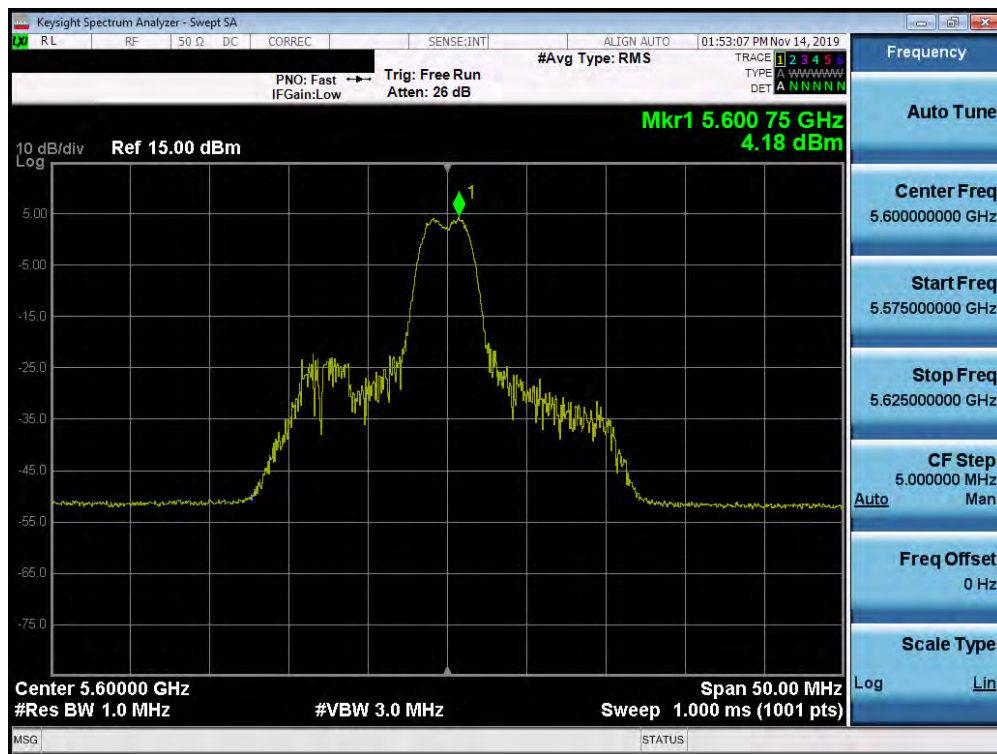


Plot 7-174. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 58)

FCC ID: A3LSMG986JPN	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 137 of 266

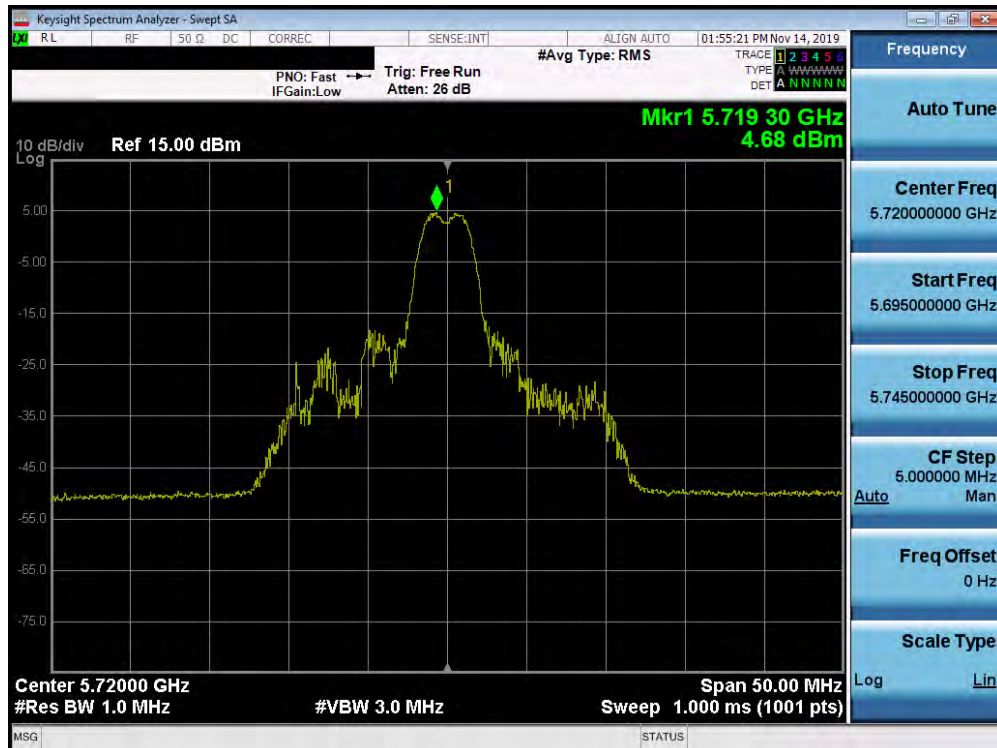


Plot 7-175. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 100)

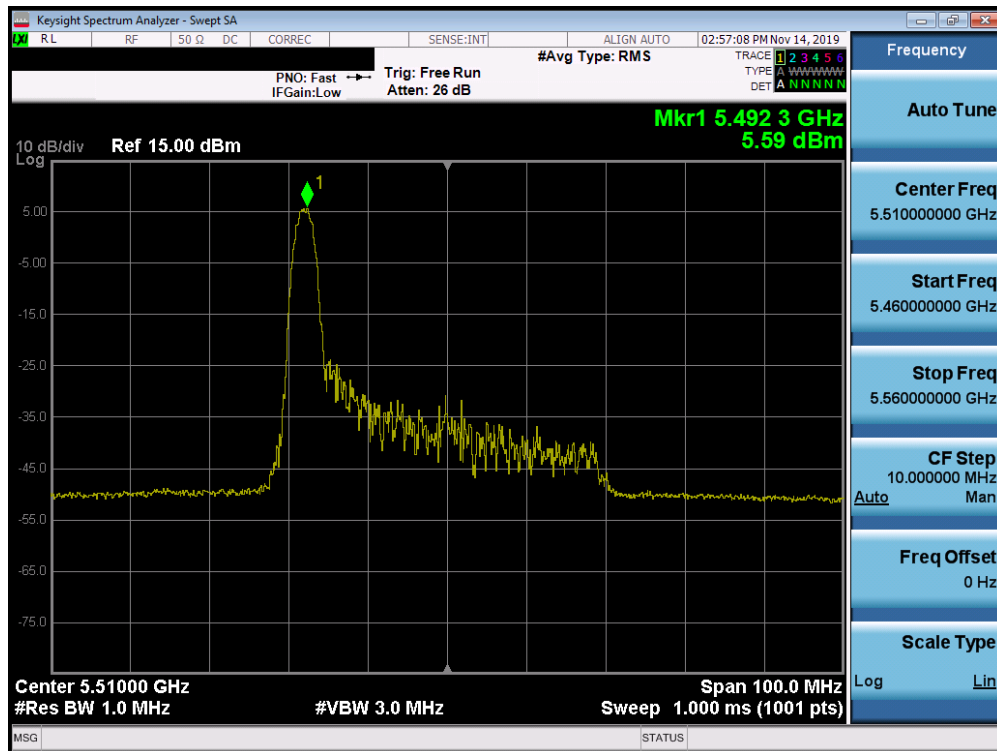


Plot 7-176. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 120)

FCC ID: A3LSMG986JPN	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 138 of 266

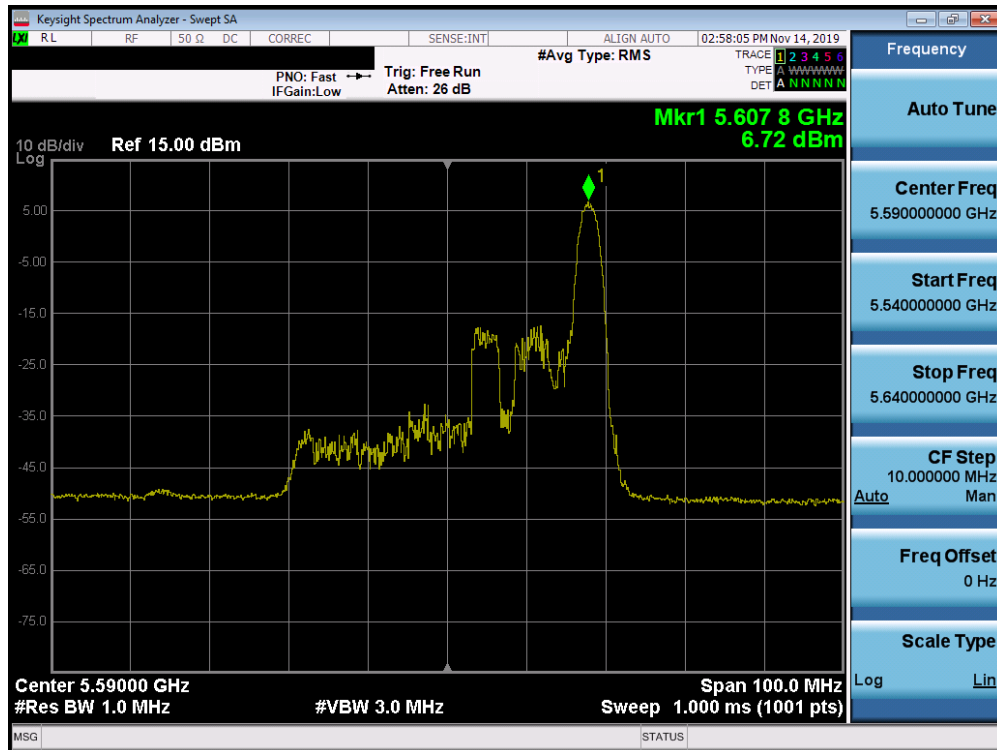


Plot 7-177. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 144)

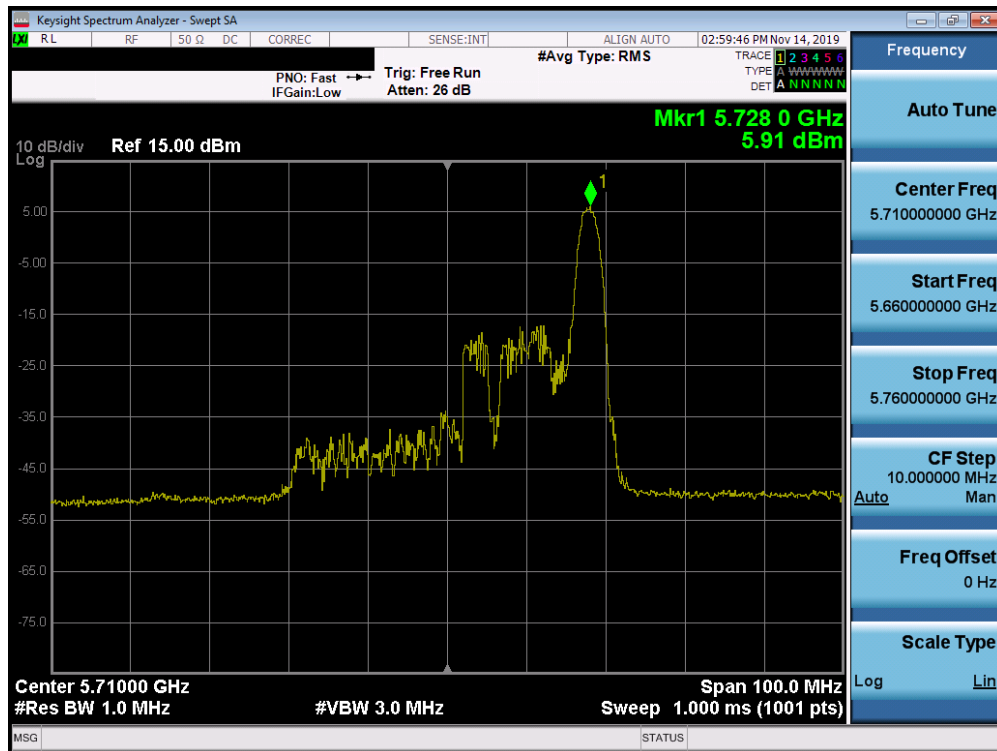


Plot 7-178. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 102)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 139 of 266

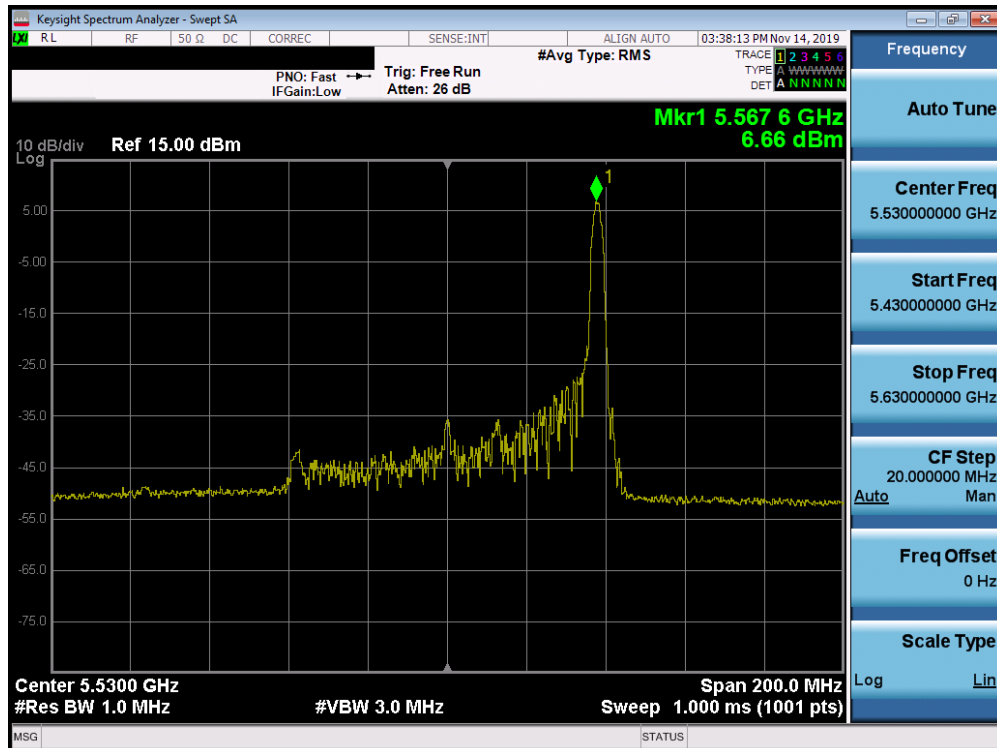


Plot 7-179. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 118)

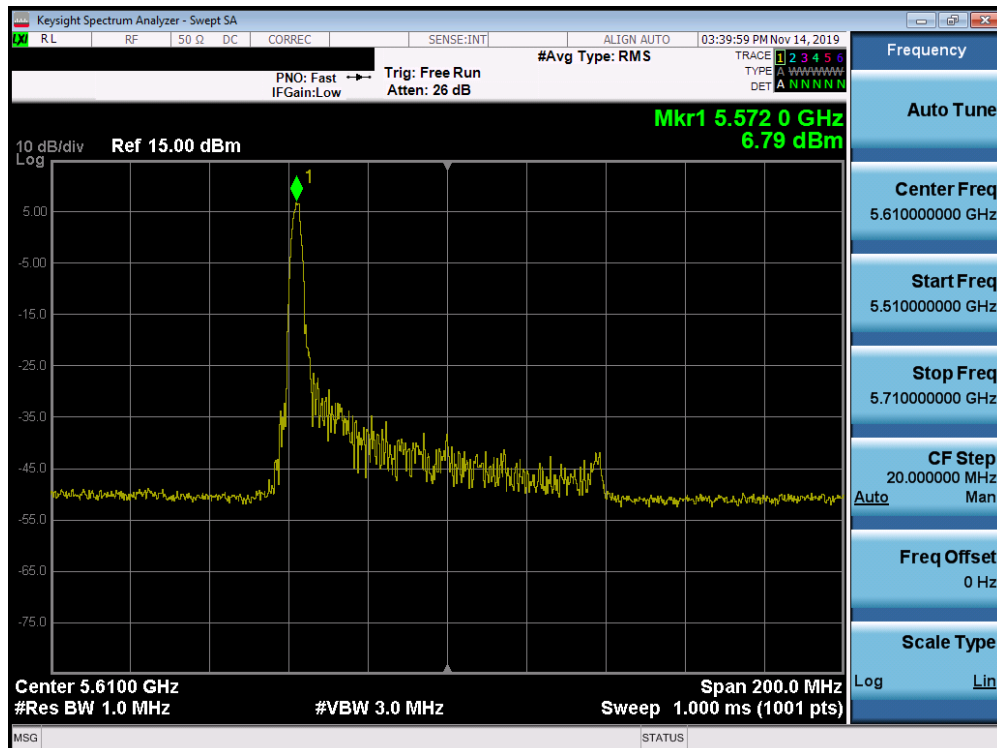


Plot 7-180. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 142)

FCC ID: A3LSMG986JPN	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 140 of 266

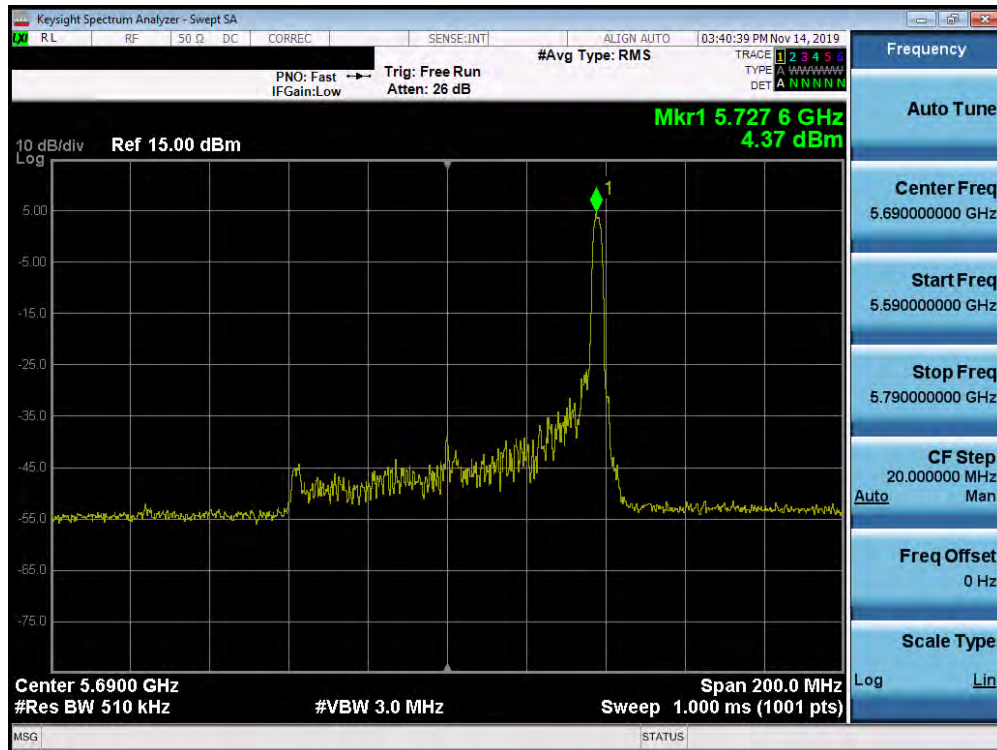


Plot 7-181. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 106)



Plot 7-182. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 122)

FCC ID: A3LSMG986JPN	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 141 of 266

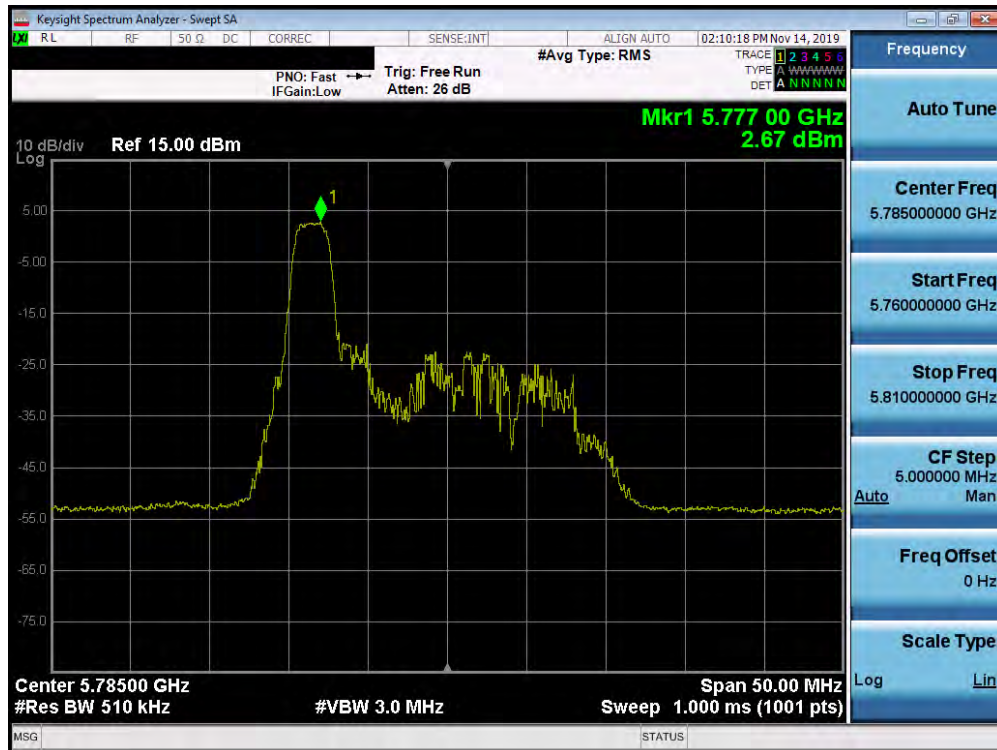


Plot 7-183. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 138)

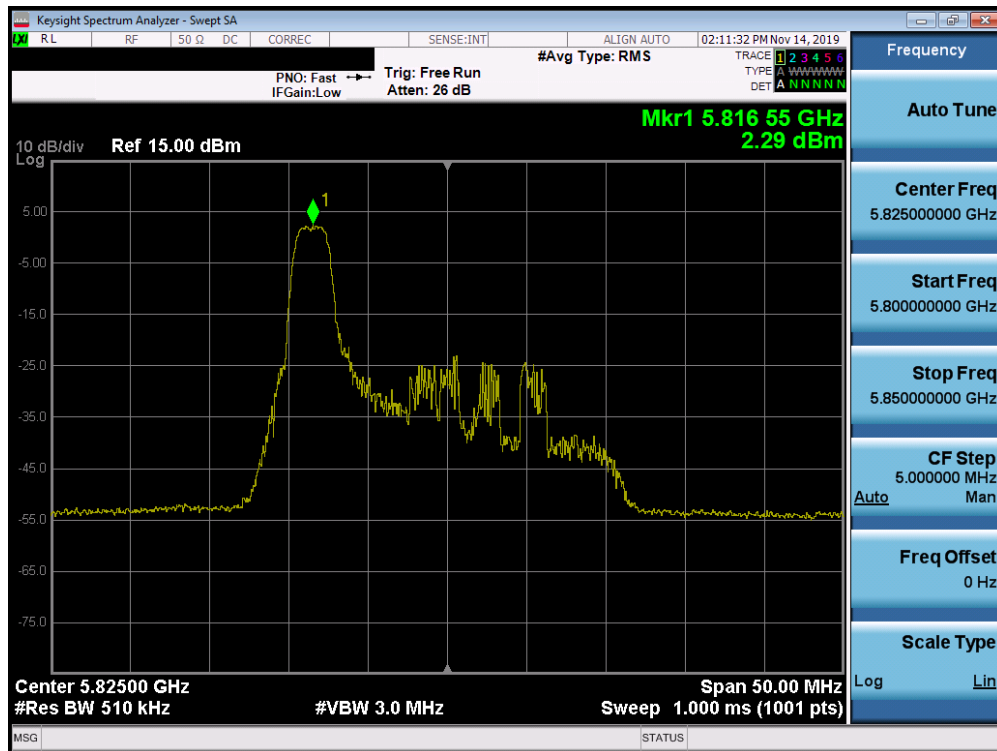


Plot 7-184. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 149)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 142 of 266

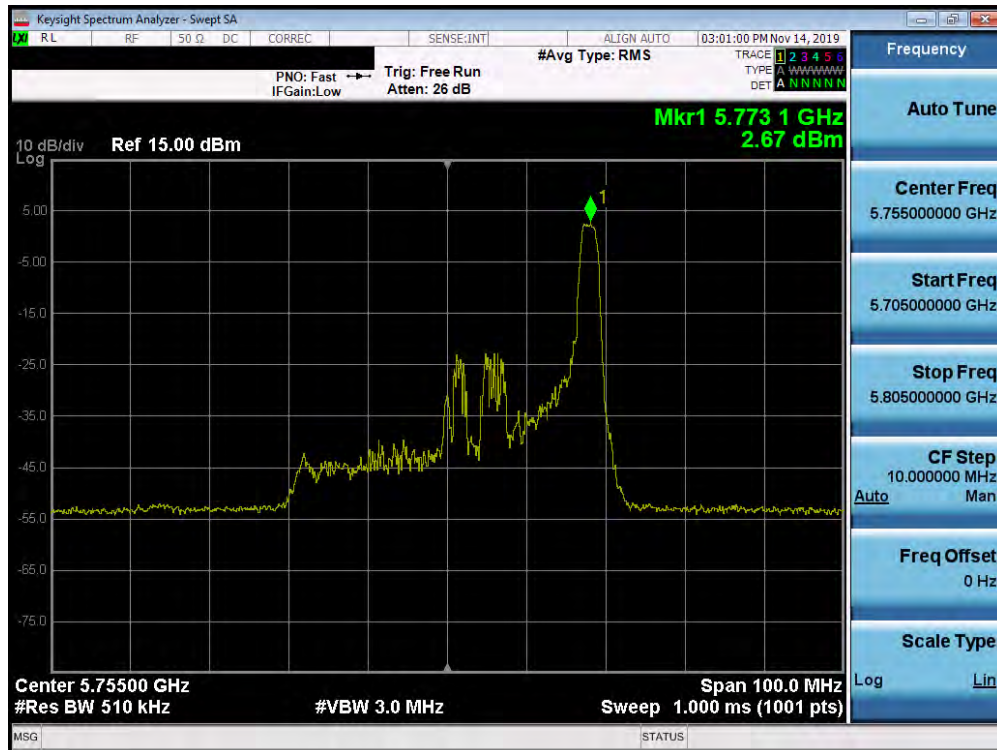


Plot 7-185. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 157)

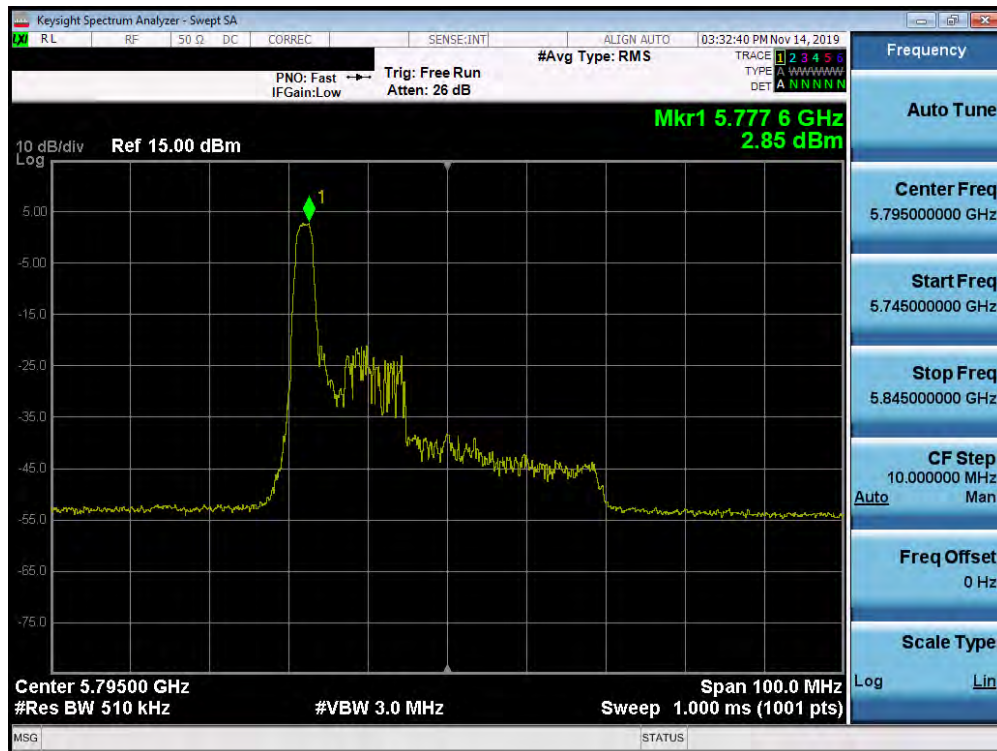


Plot 7-186. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 165)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 143 of 266

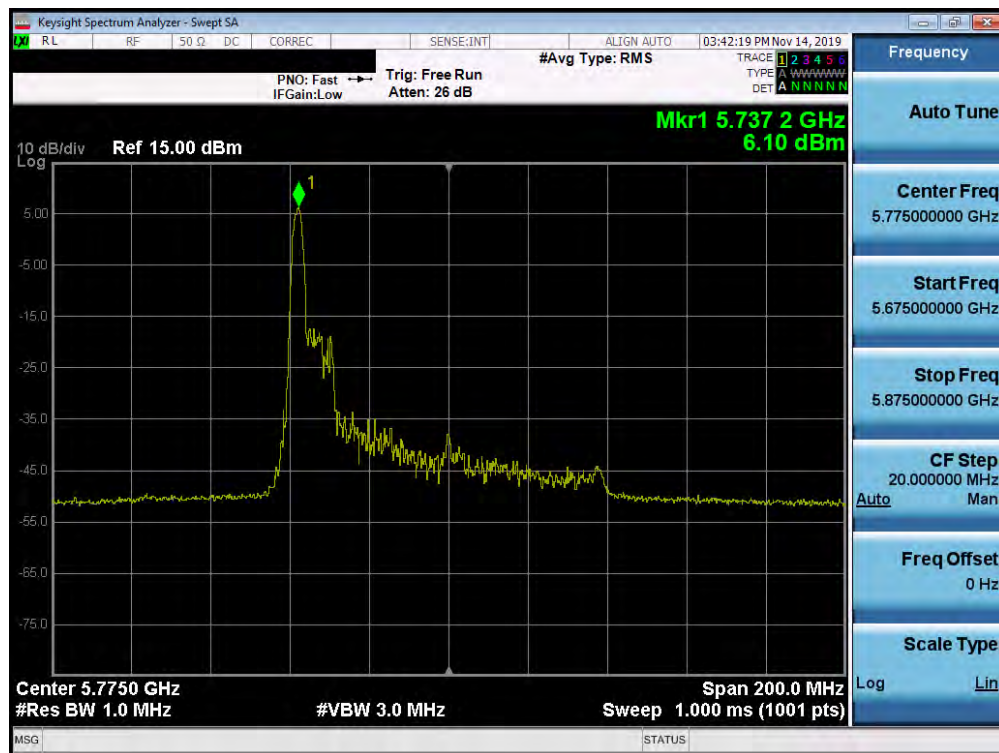


Plot 7-187. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 151)

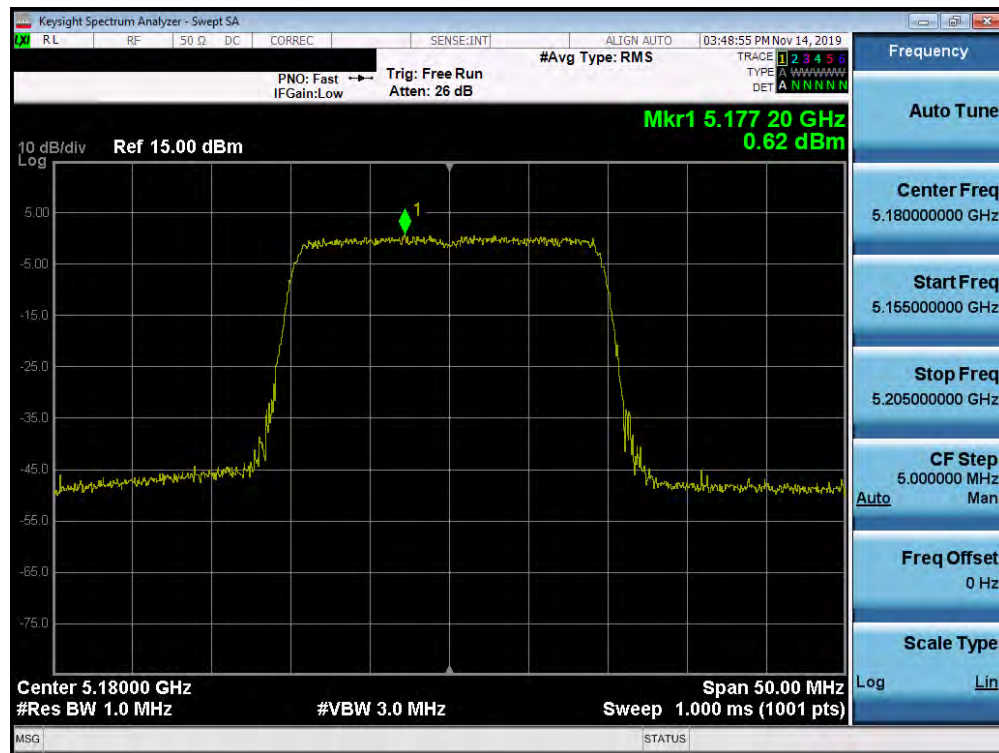


Plot 7-188. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 159)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 144 of 266

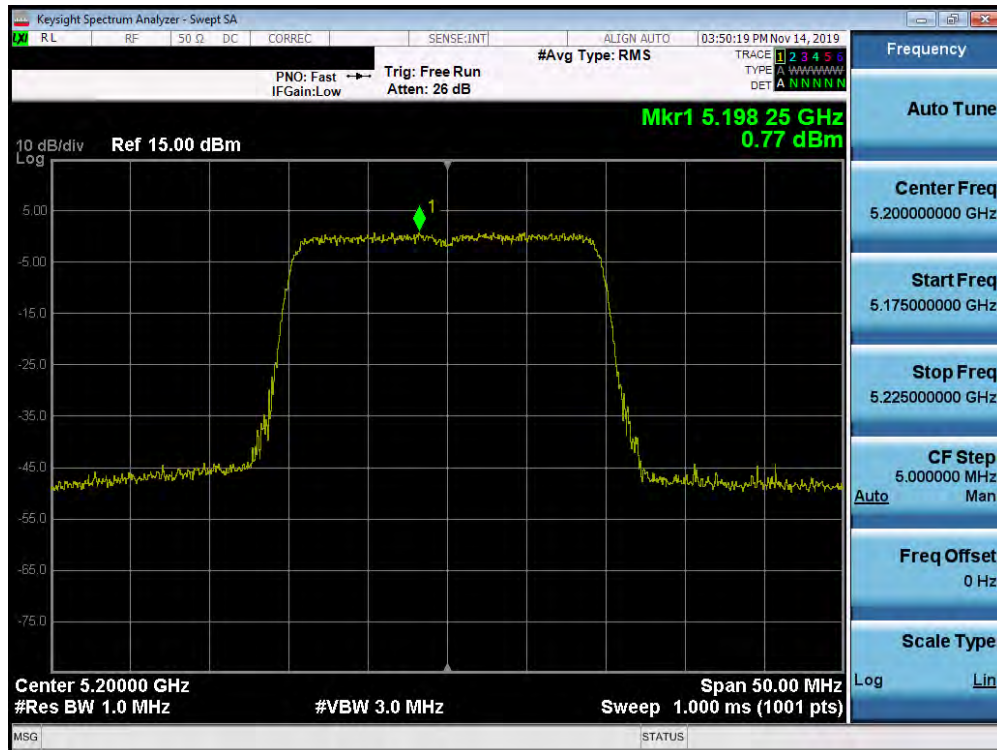


Plot 7-189. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – 26 Tones (UNII Band 3) – Ch. 155)

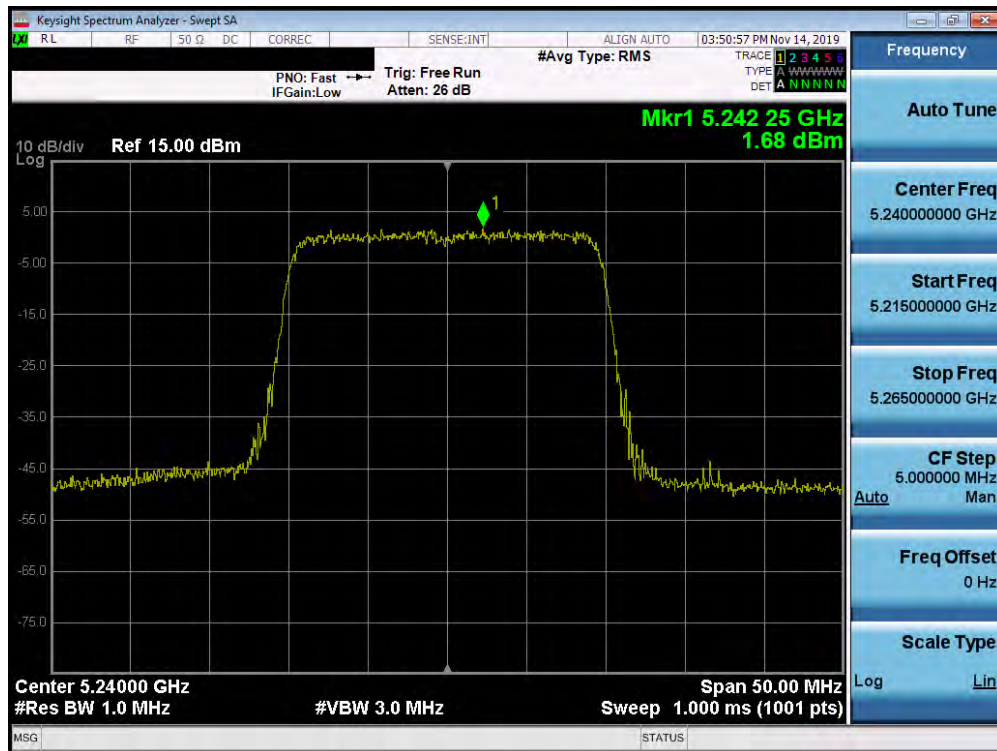


Plot 7-190. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 36)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 145 of 266

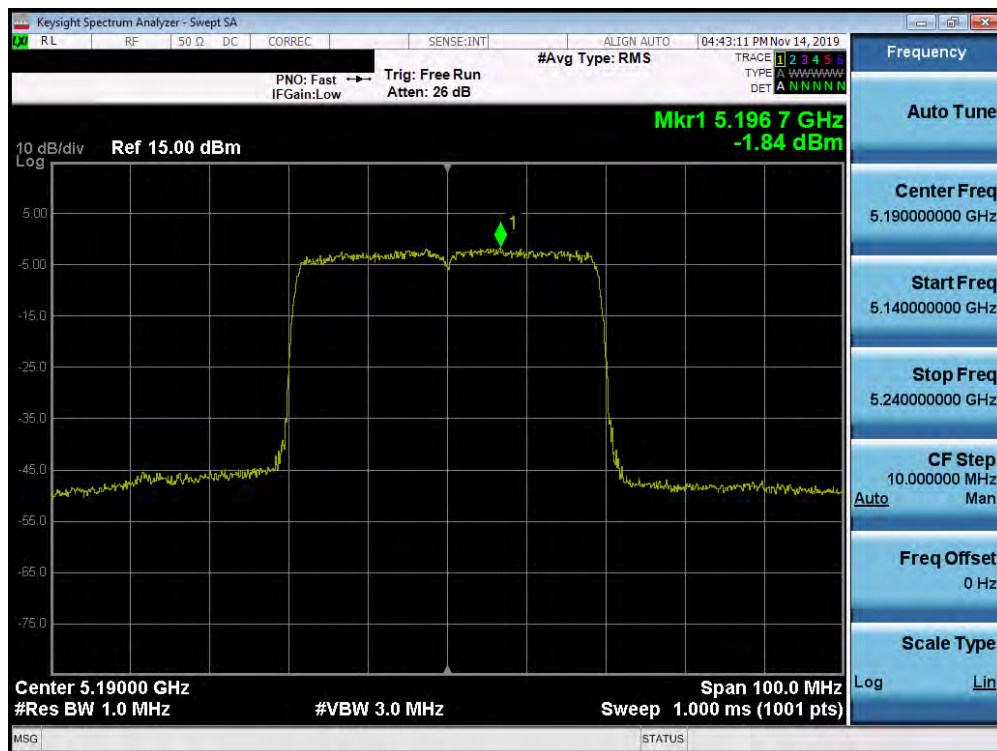


Plot 7-191. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 40)

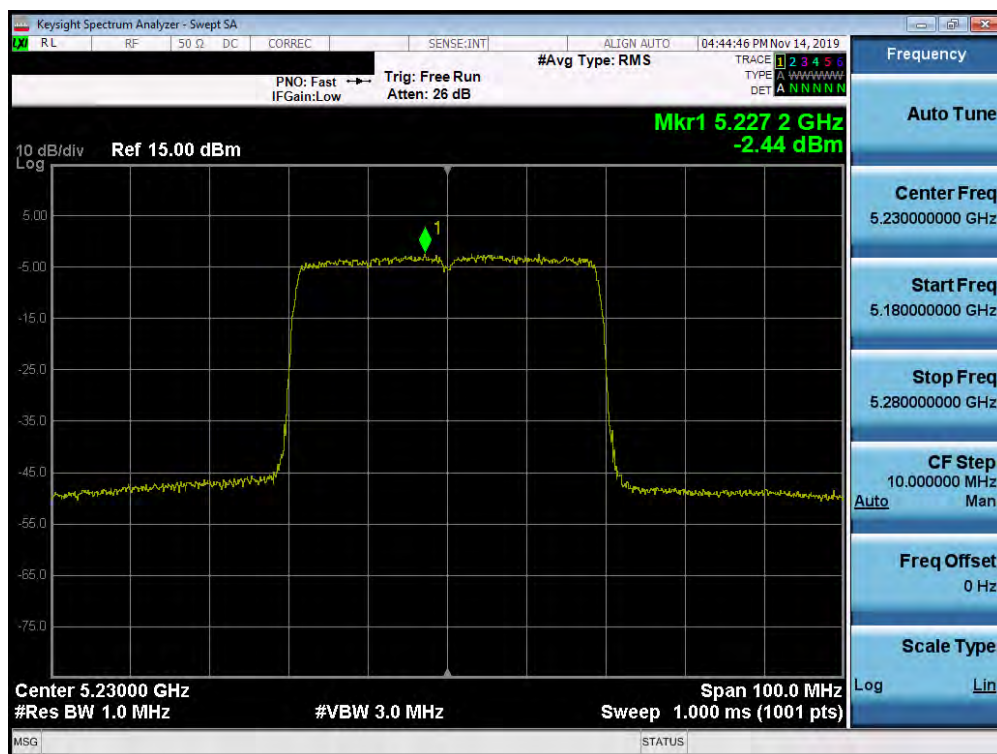


Plot 7-192. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 48)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 146 of 266

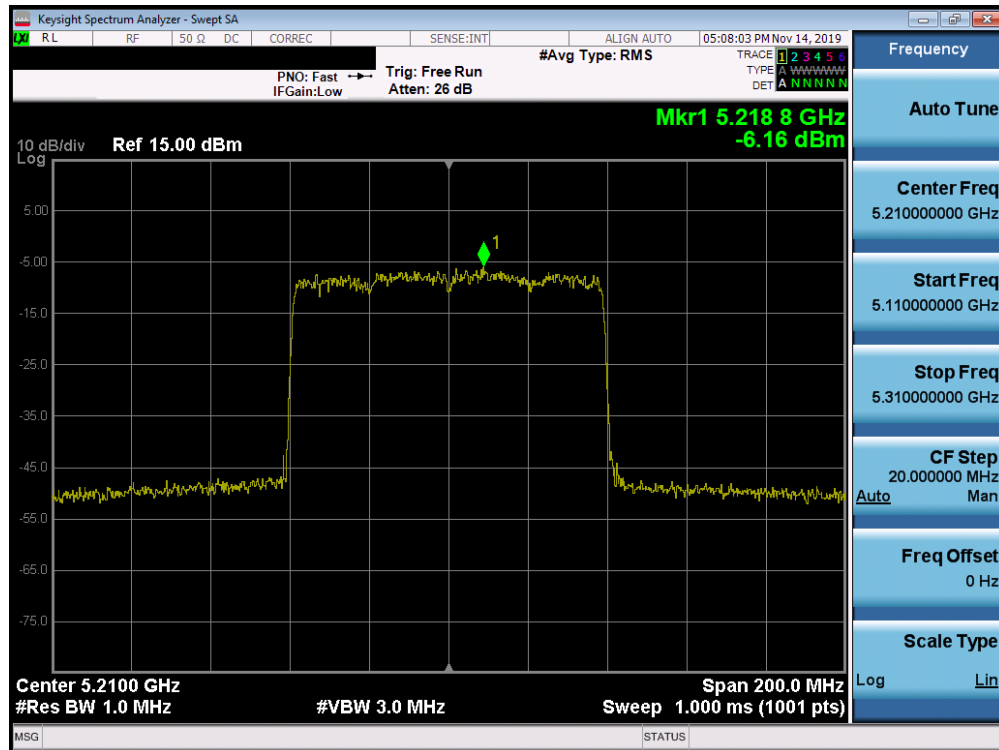


Plot 7-193. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 38)

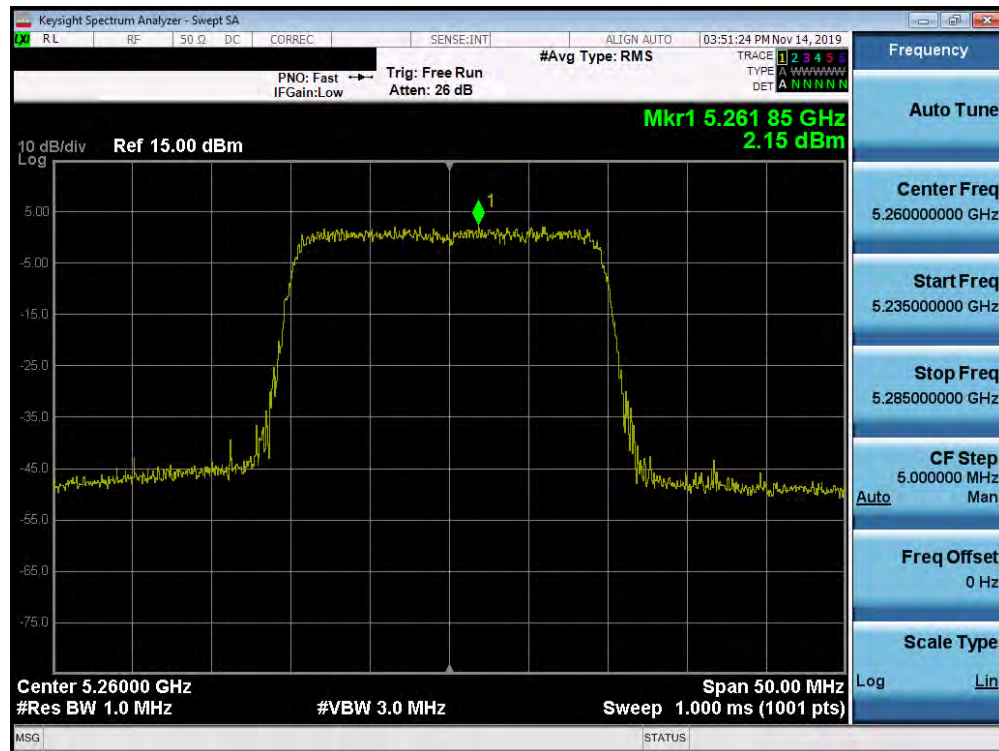


Plot 7-194. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 46)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 147 of 266

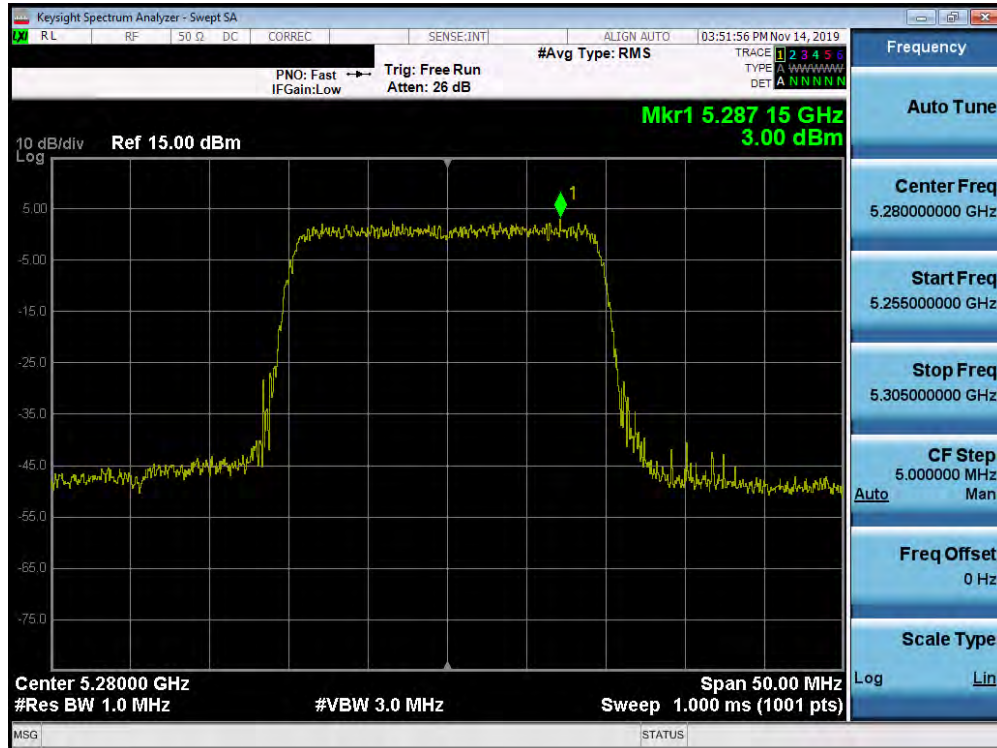


Plot 7-195. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – Full Tones (UNII Band 1) – Ch. 42)

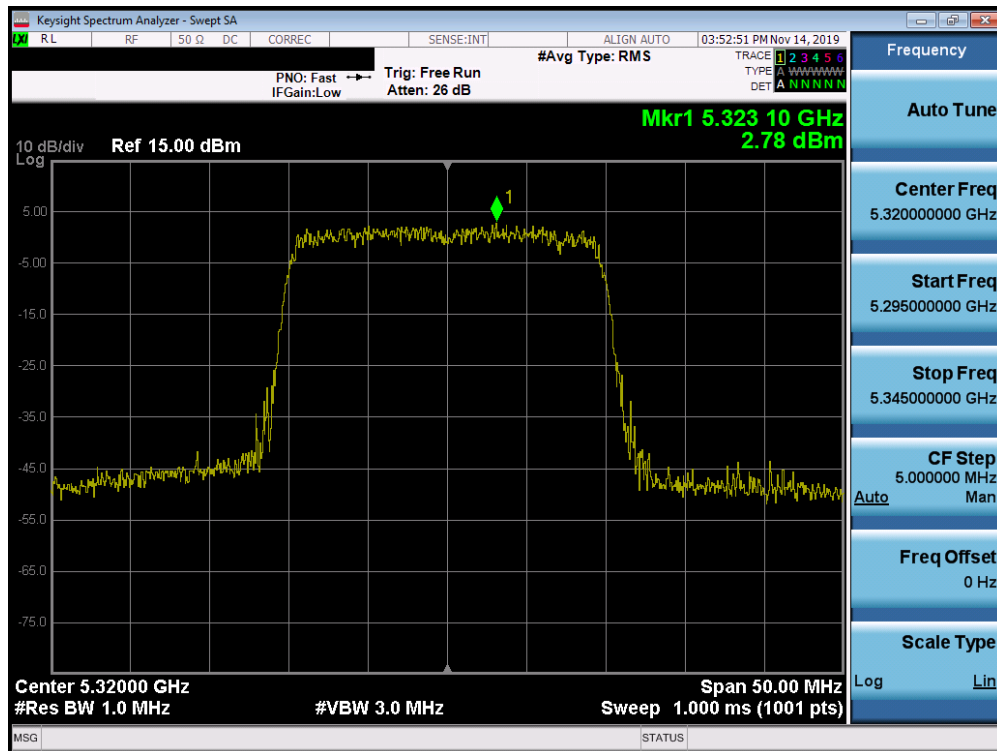


Plot 7-196. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 52)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 148 of 266

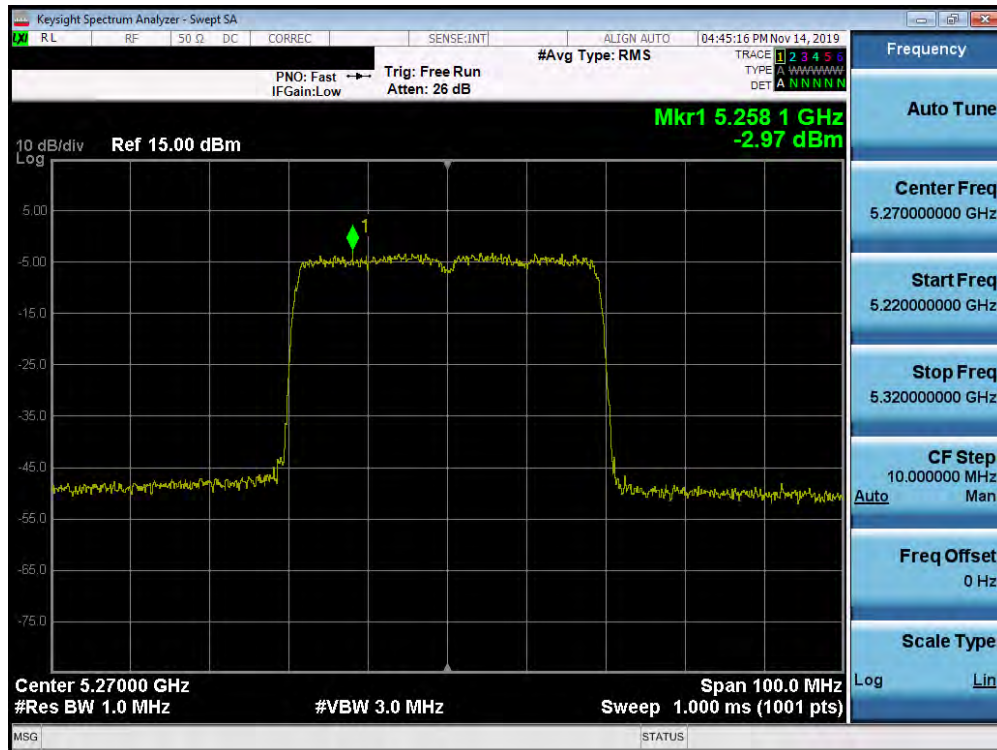


Plot 7-197. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 56)

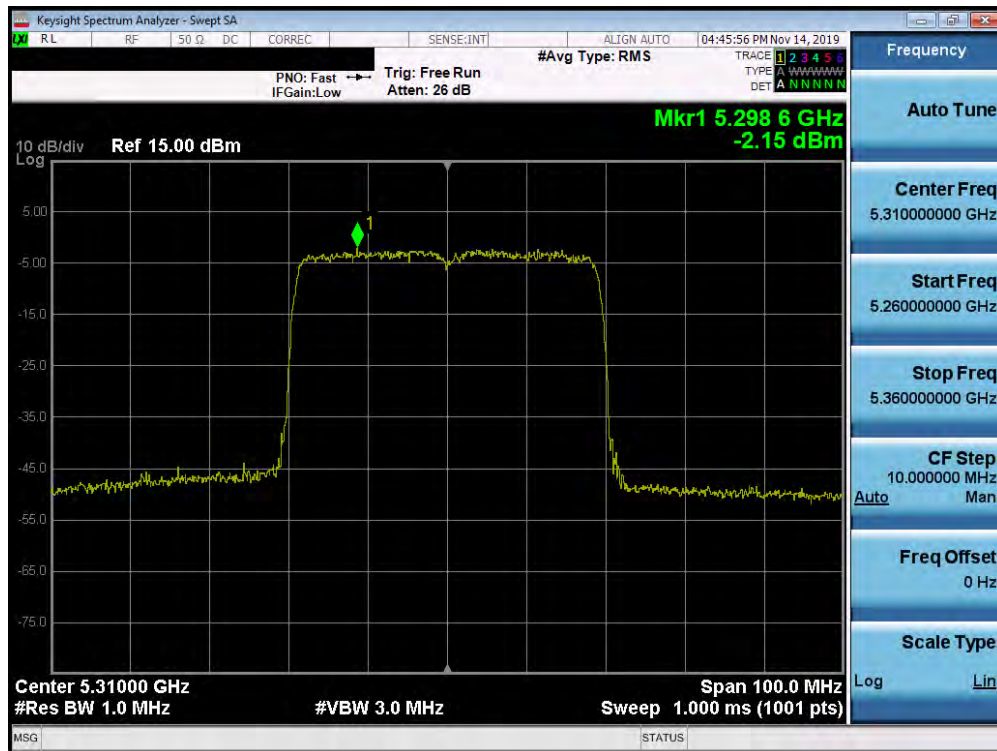


Plot 7-198. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 64)

FCC ID: A3LSMG986JPN	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 149 of 266

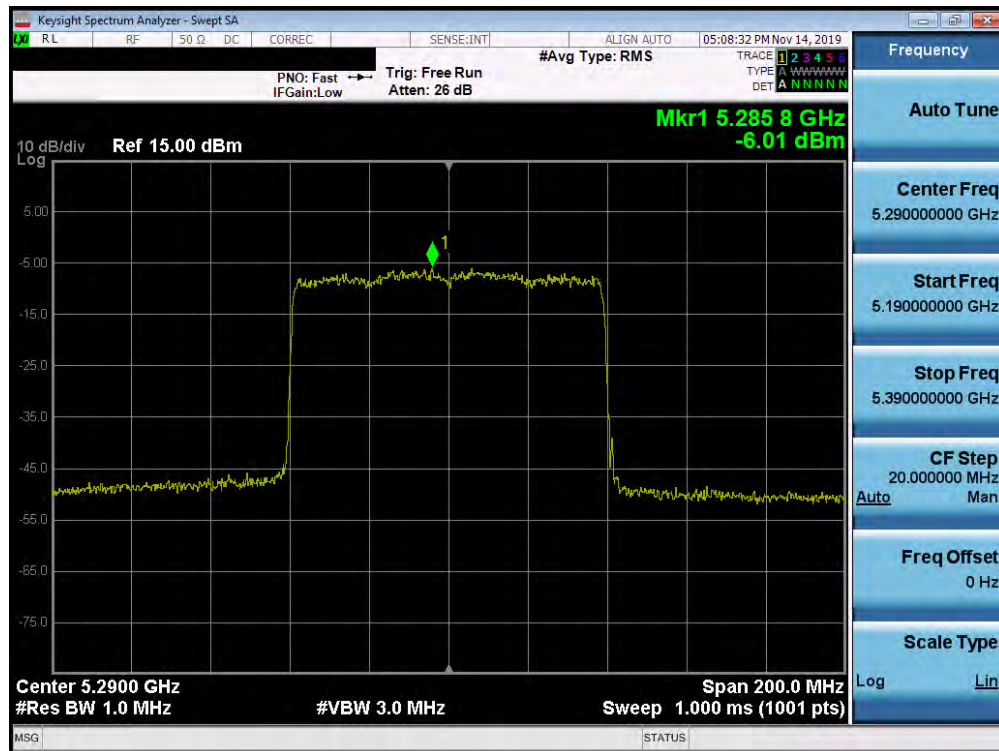


Plot 7-199. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 54)

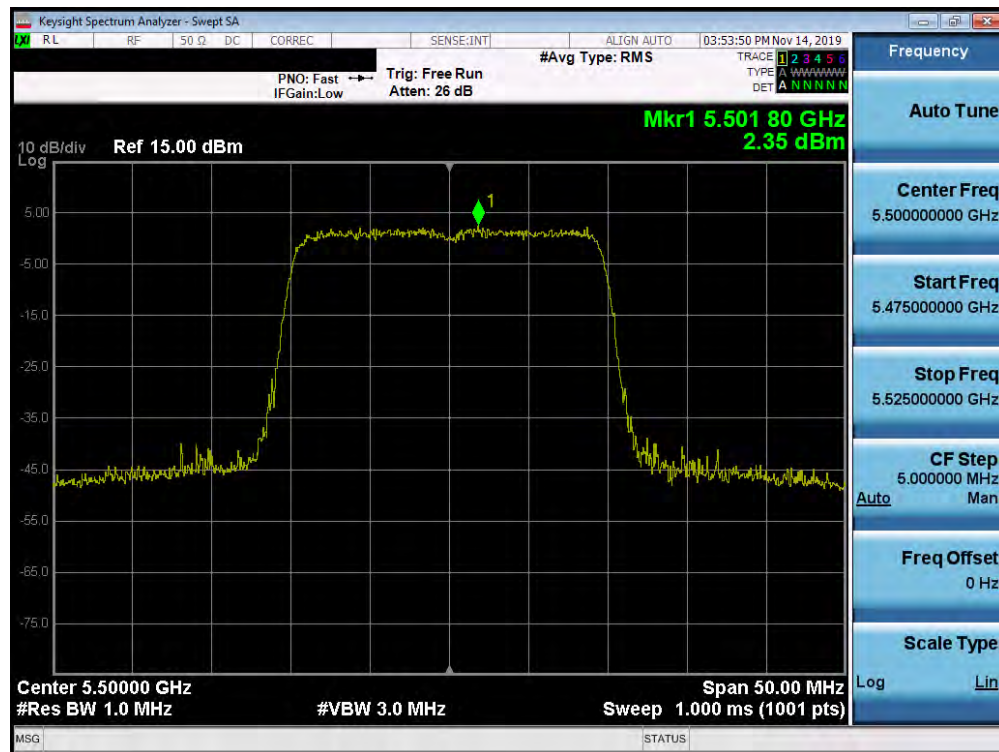


Plot 7-200. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 62)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 150 of 266

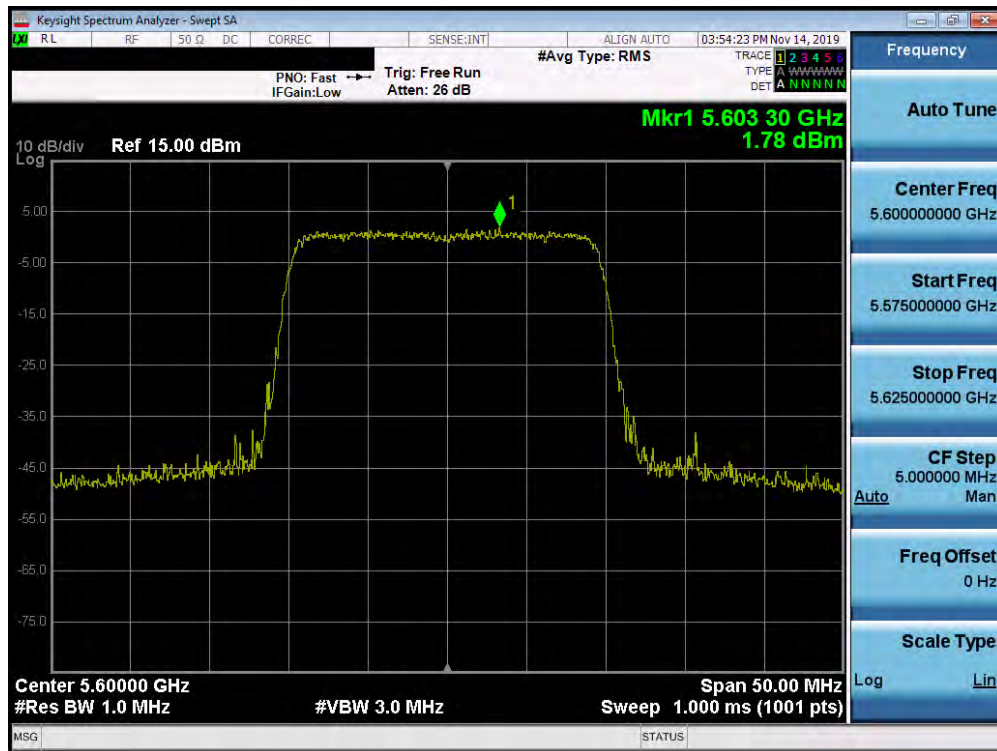


Plot 7-201. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – Full Tones (UNII Band 2A) – Ch. 58)

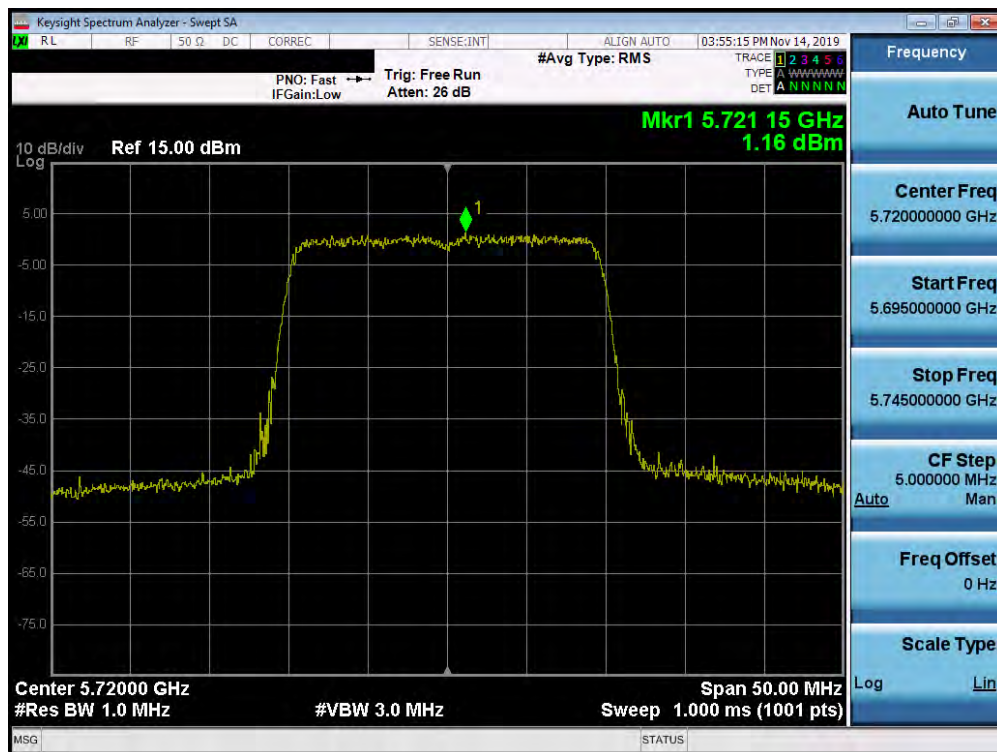


Plot 7-202. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 100)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 151 of 266

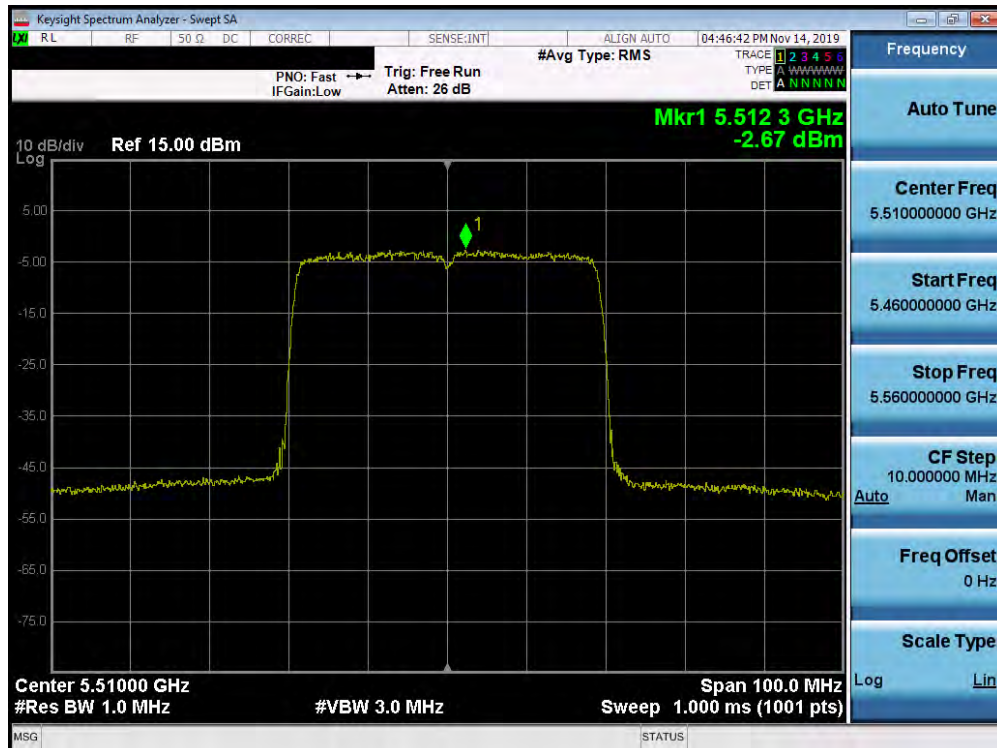


Plot 7-203. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 120)

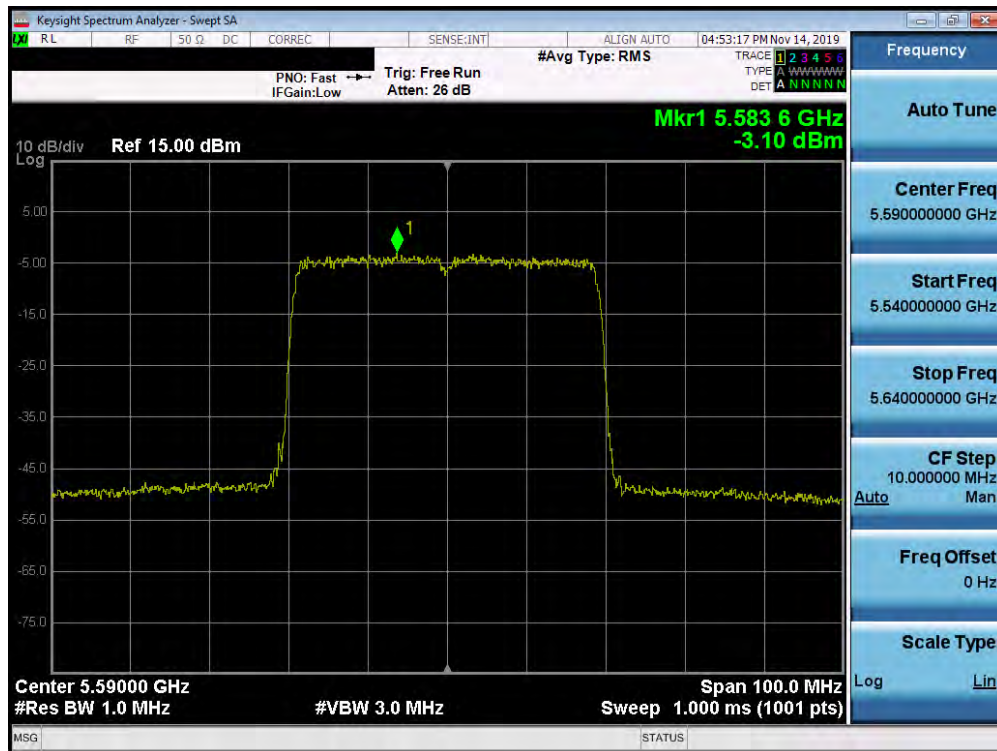


Plot 7-204. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 144)

FCC ID: A3LSMG986JPN	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 152 of 266

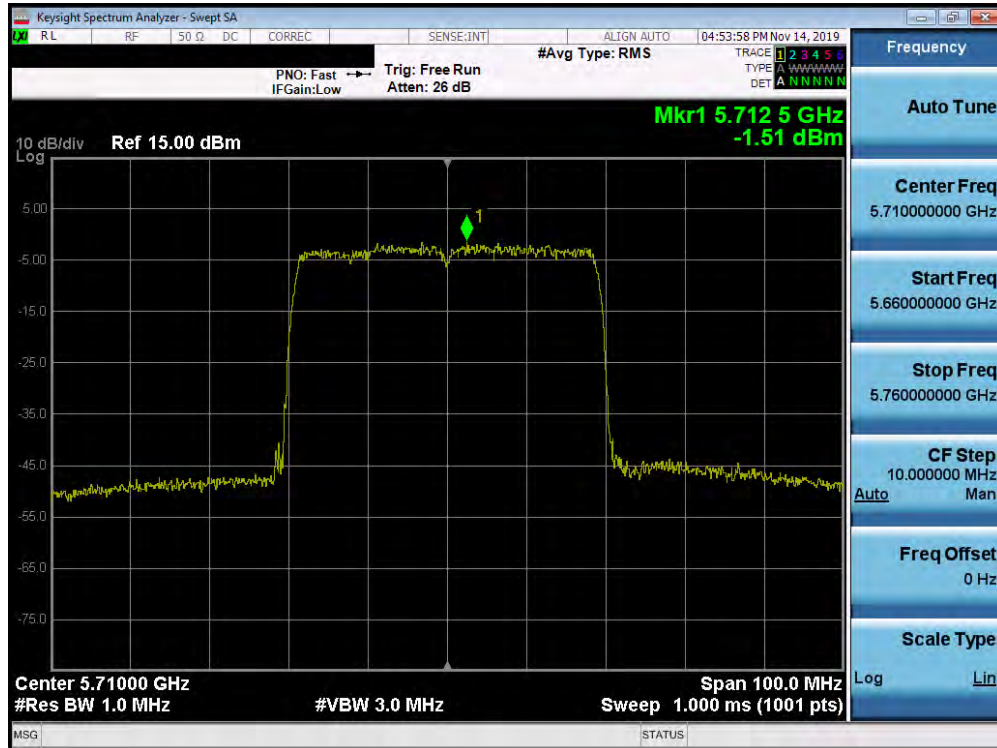


Plot 7-205. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 102)



Plot 7-206. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 118)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 153 of 266

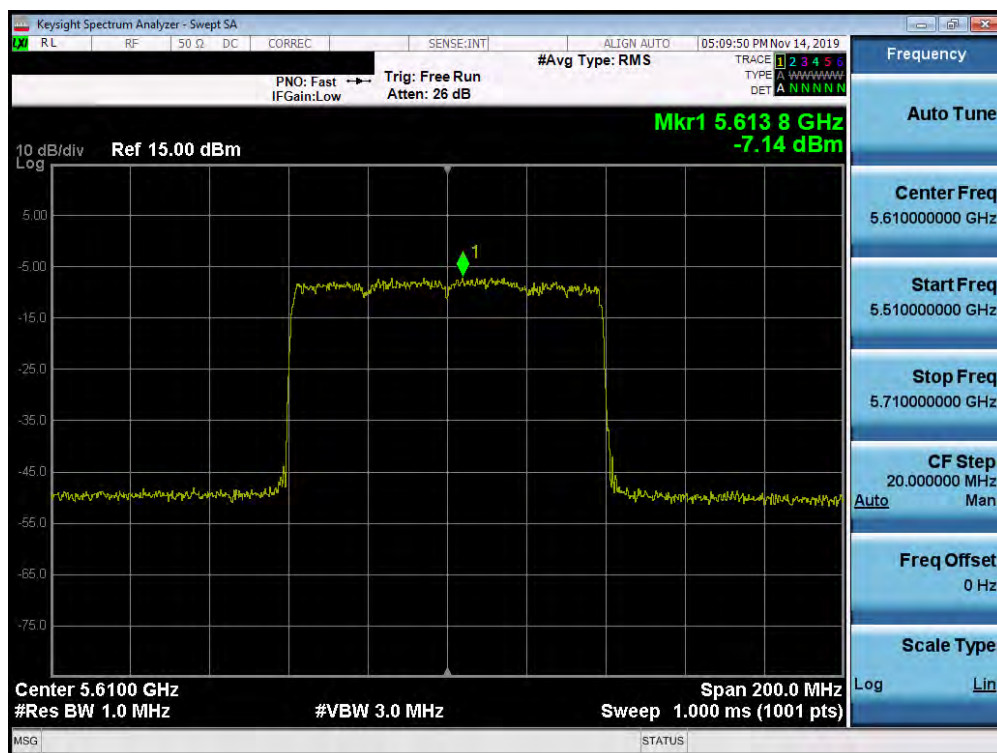


Plot 7-207. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 142)

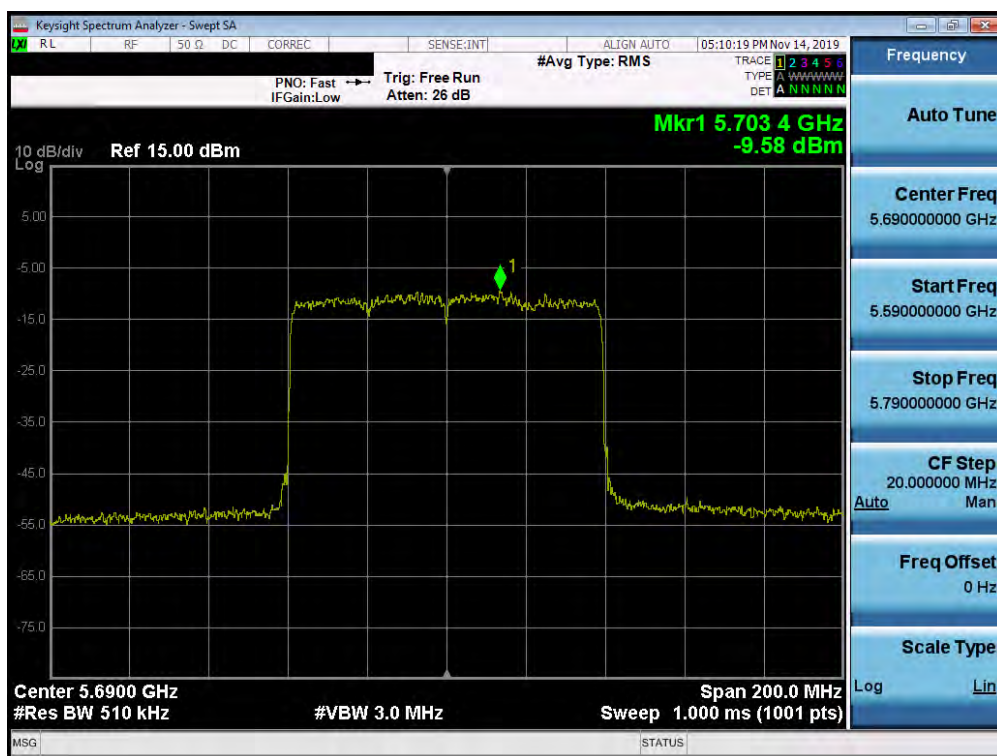


Plot 7-208. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 106)

FCC ID: A3LSMG986JPN	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 154 of 266

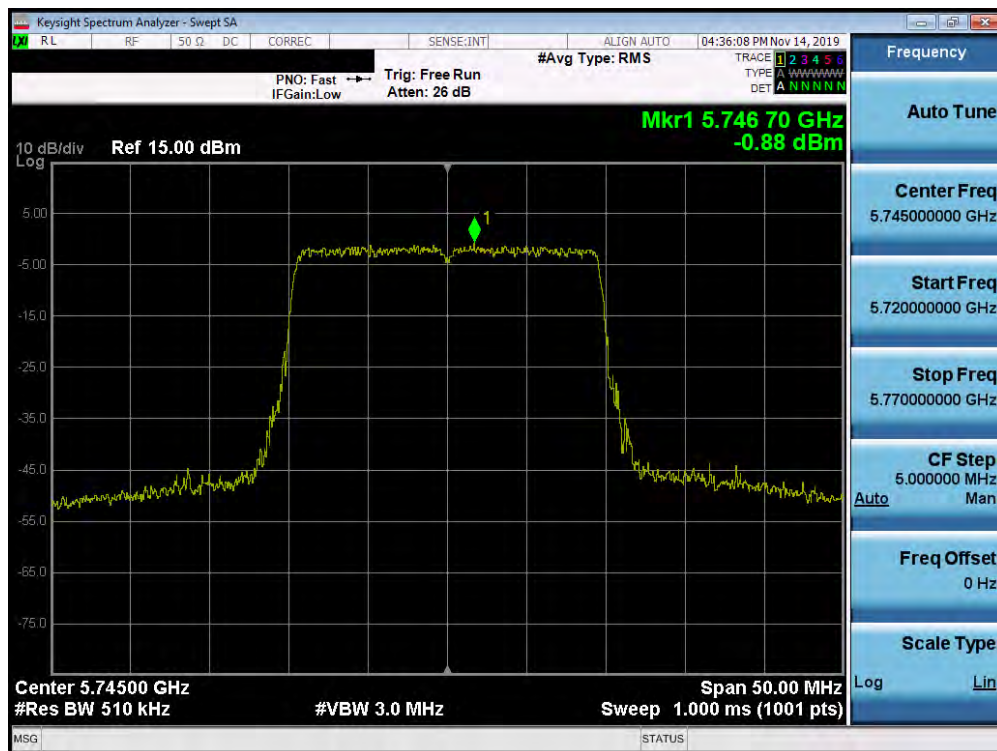


Plot 7-209. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 122)

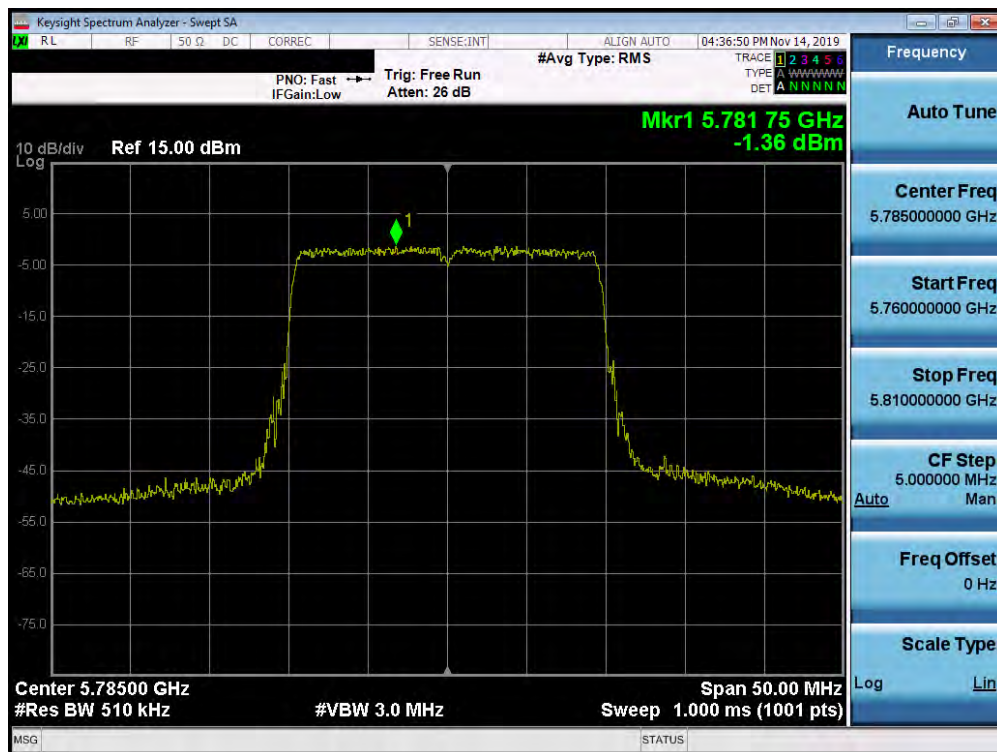


Plot 7-210. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – Full Tones (UNII Band 2C) – Ch. 138)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 155 of 266

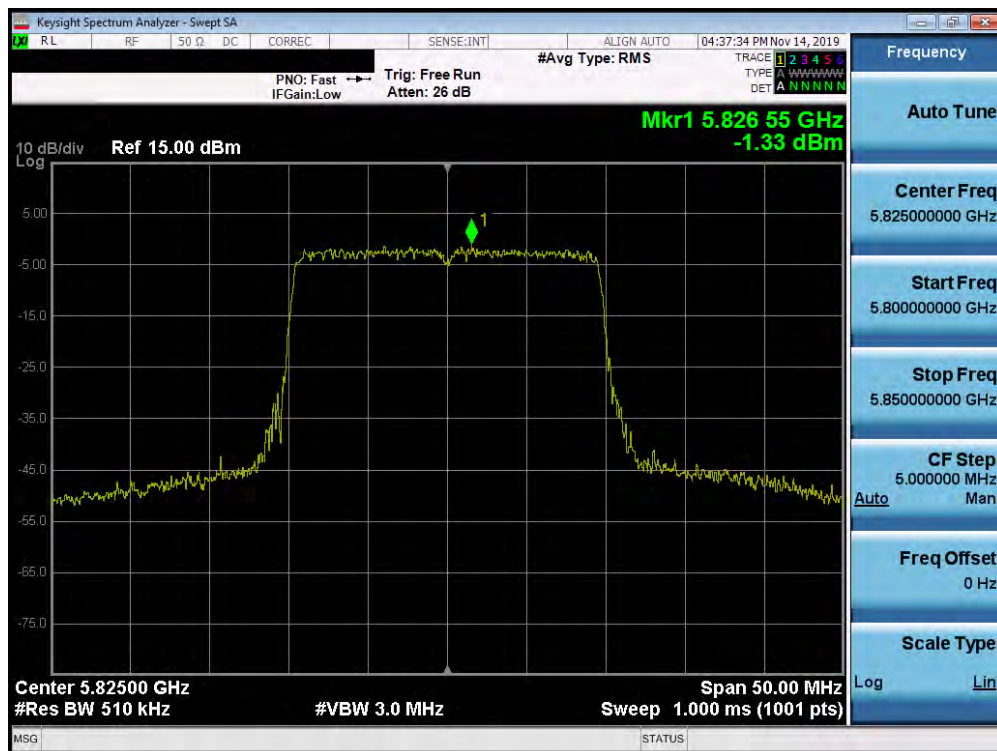


Plot 7-211. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 3) – Ch. 149)

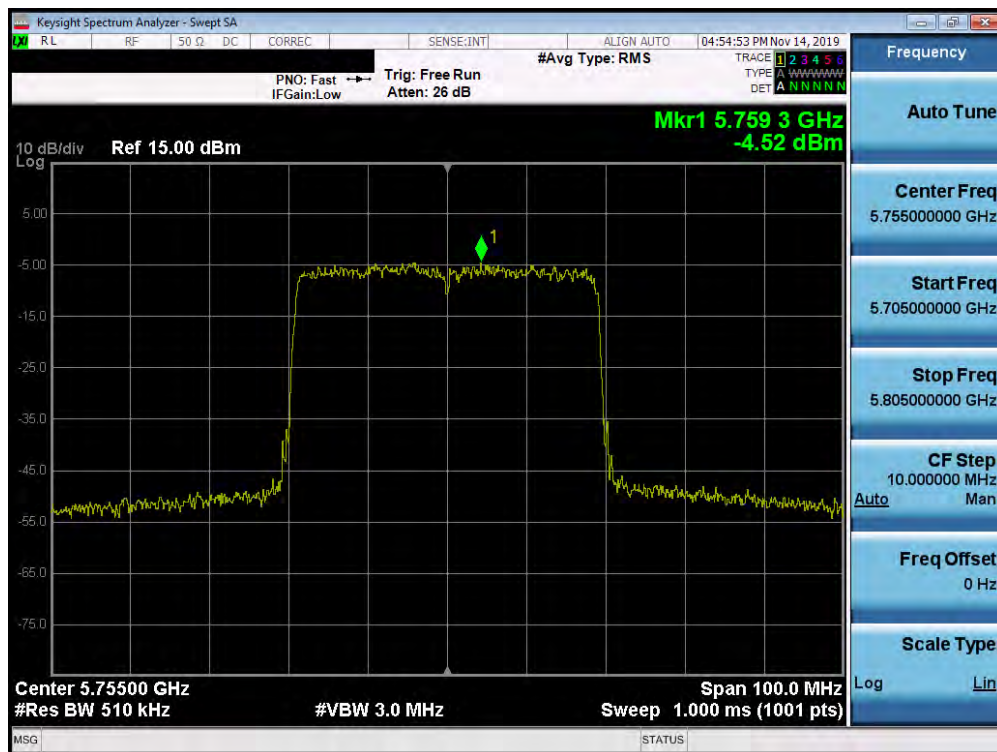


Plot 7-212. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 3) – Ch. 157)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 156 of 266

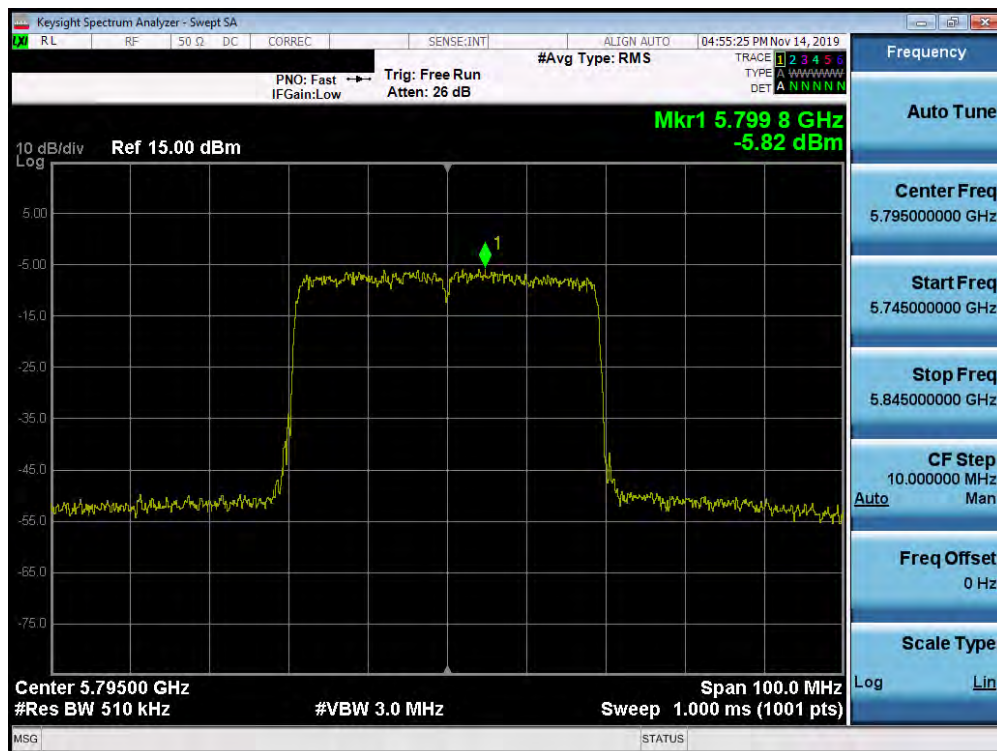


Plot 7-213. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax – Full Tones (UNII Band 3) – Ch. 165)

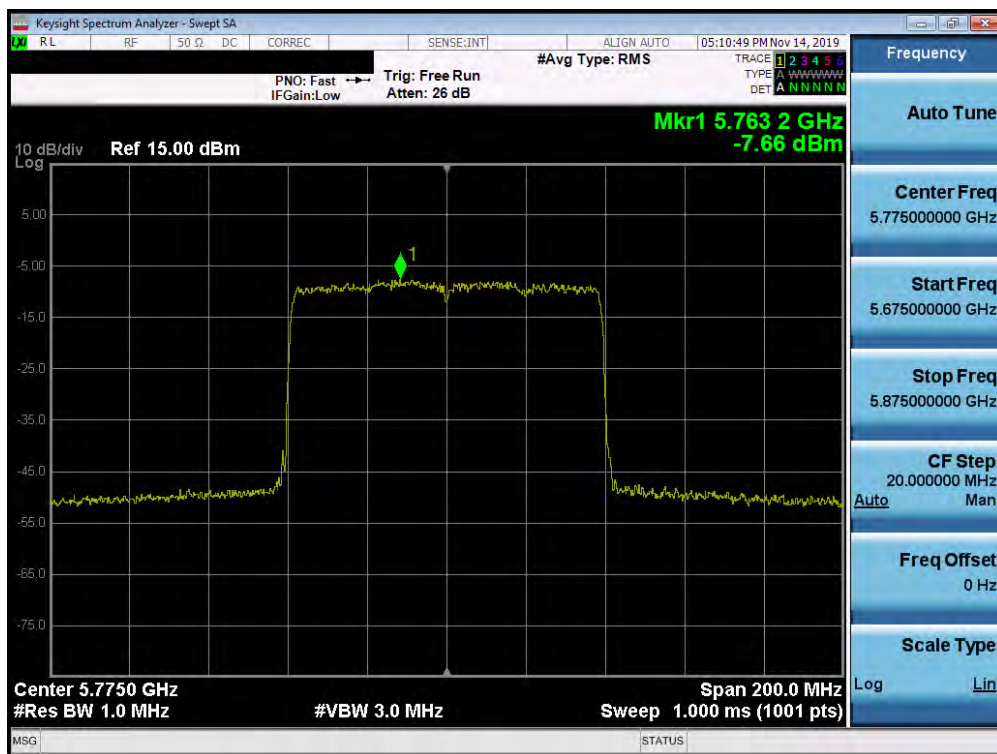


Plot 7-214. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – Full Tones (UNII Band 3) – Ch. 151)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 157 of 266



Plot 7-215. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax – Full Tones (UNII Band 3) – Ch. 159)



Plot 7-216. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax – Full Tones (UNII Band 3) – Ch. 155)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 158 of 266



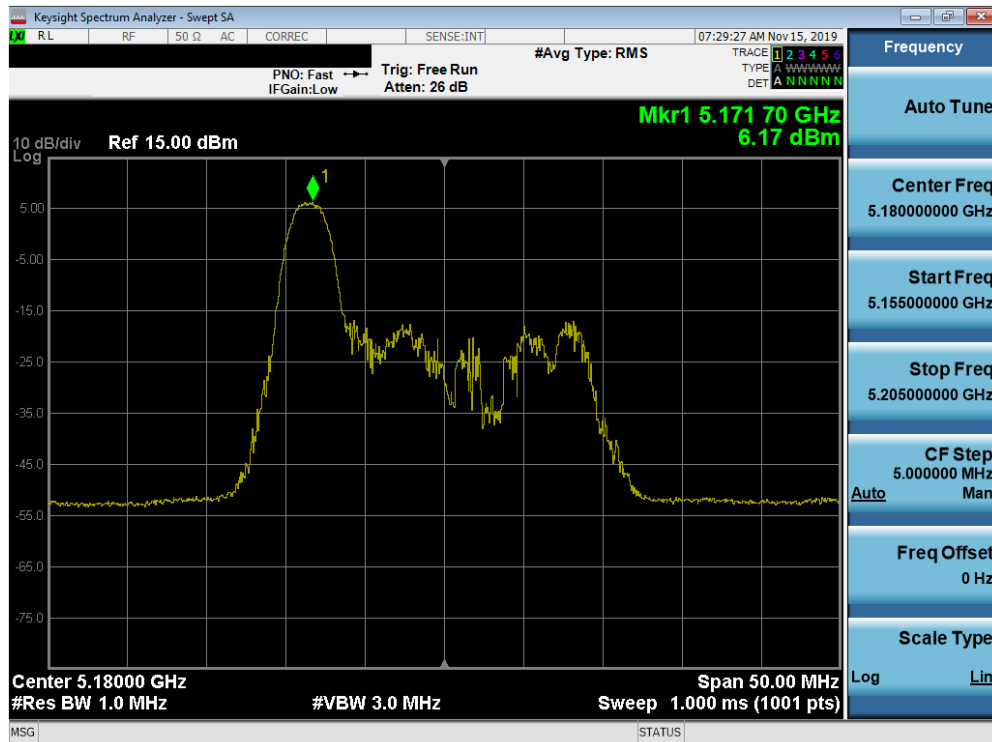
FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset	Page 159 of 266	

© 2020 PCTEST

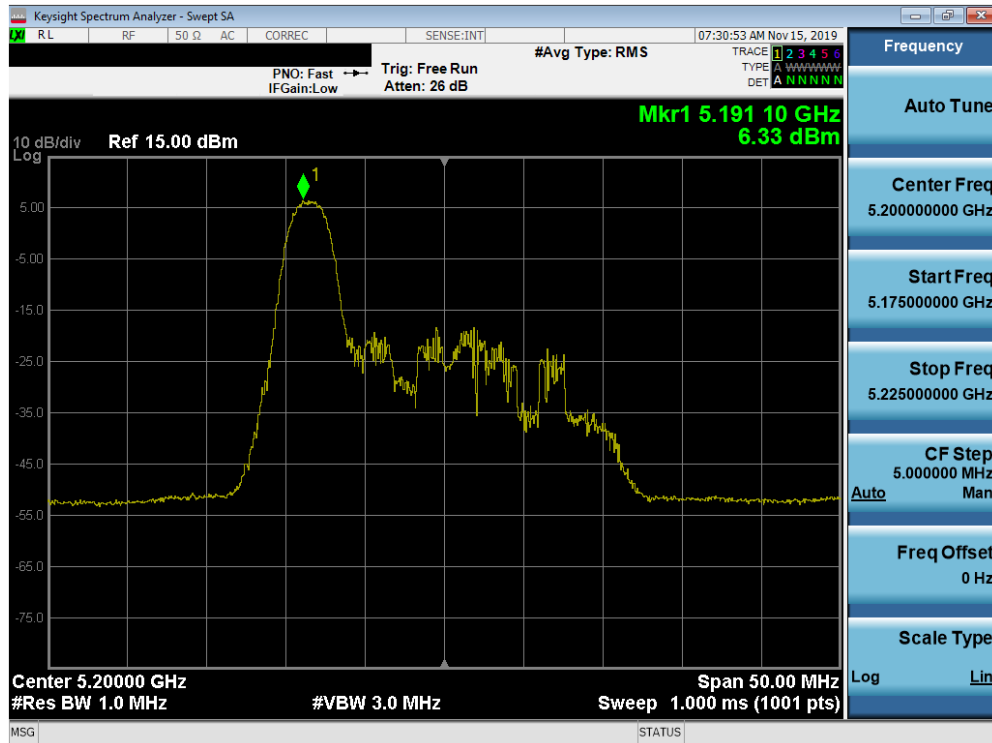
V 9.0 02/01/2019

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.

MIMO Antenna-2 Power Spectral Density Measurements (26 Tones)

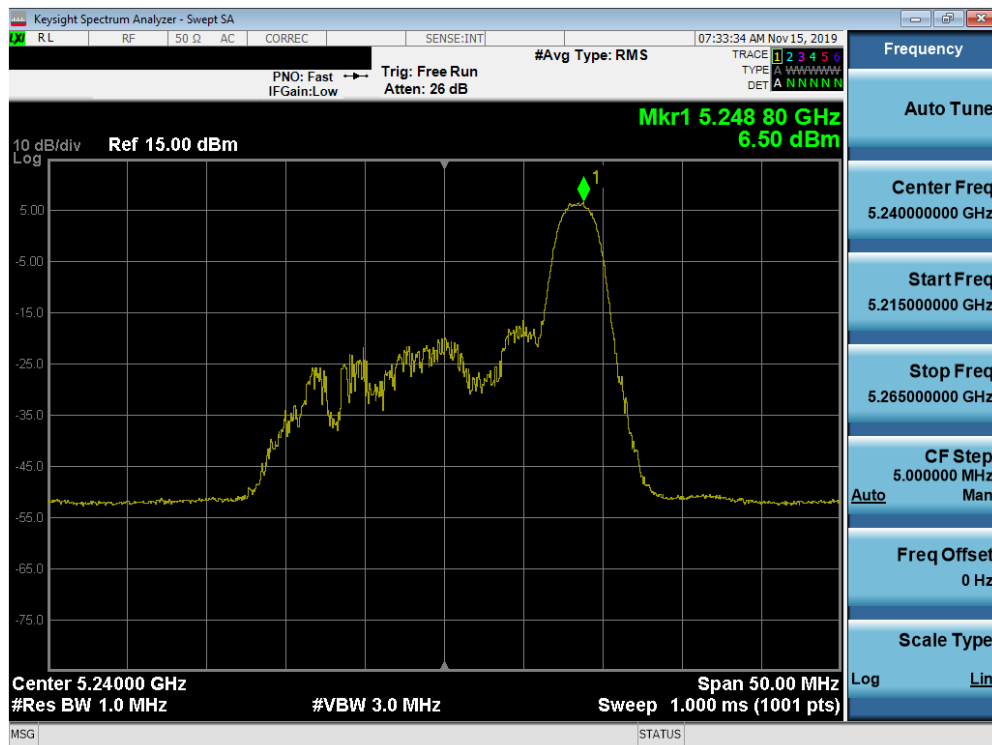


Plot 7-217. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 36)

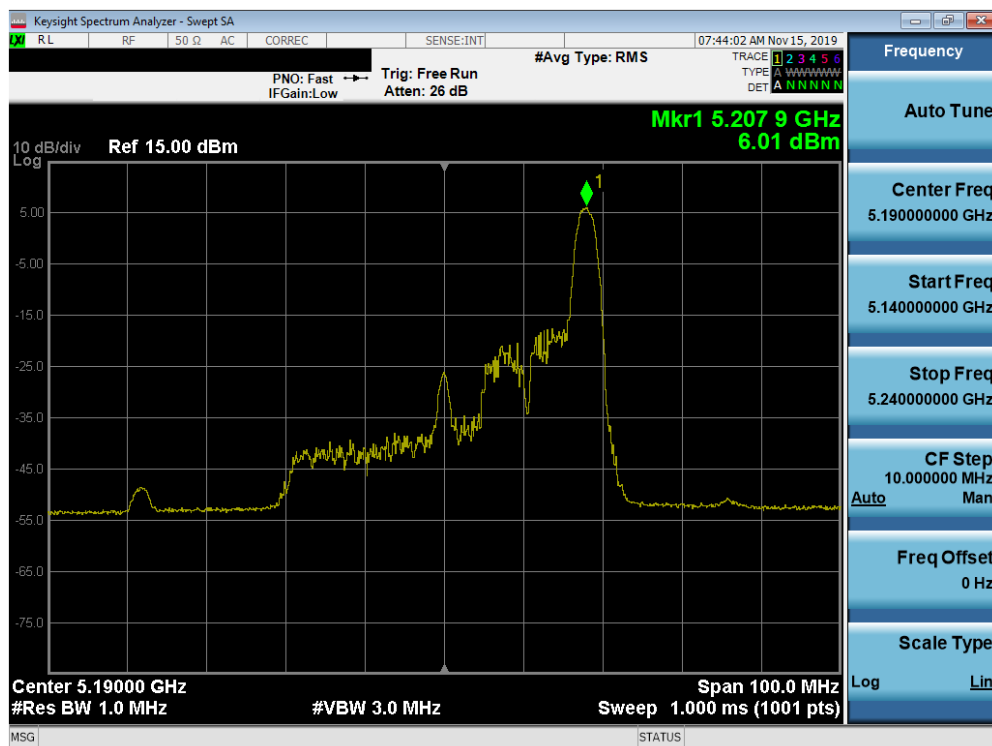


Plot 7-218. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 40)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 160 of 266

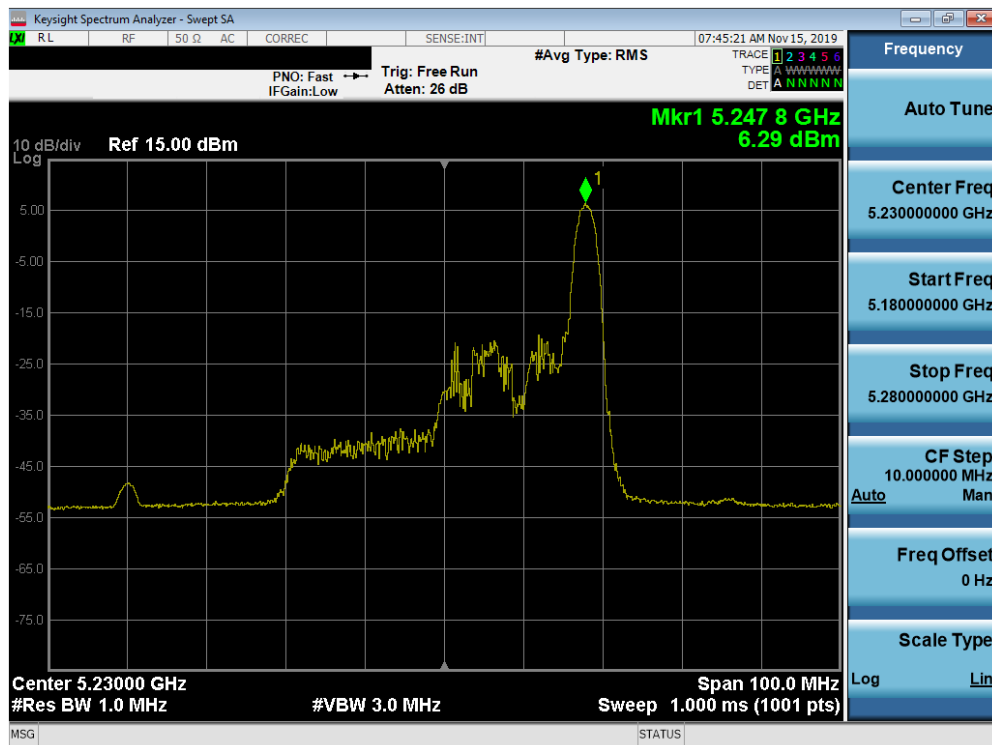


Plot 7-219. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 48)

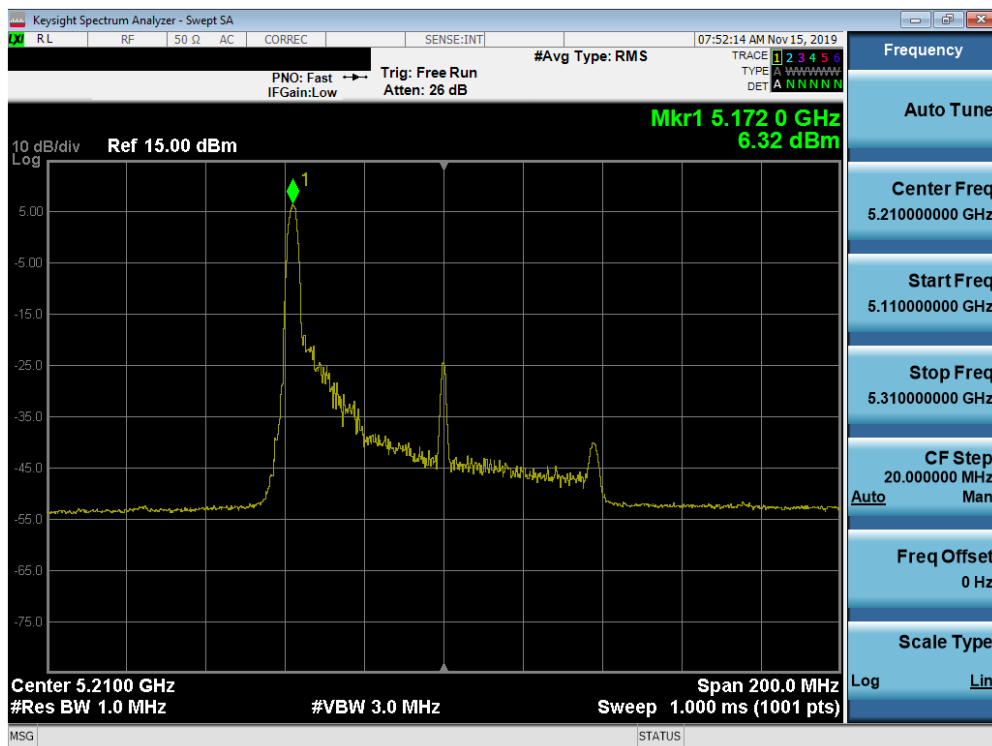


Plot 7-220. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 38)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 161 of 266

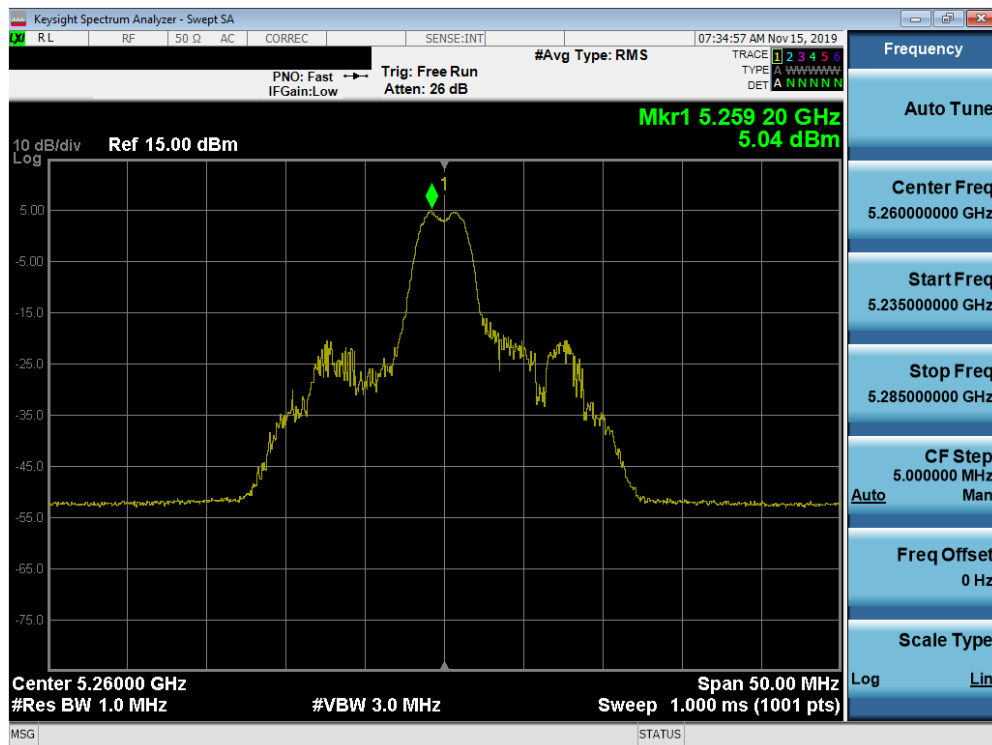


Plot 7-221. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 46)

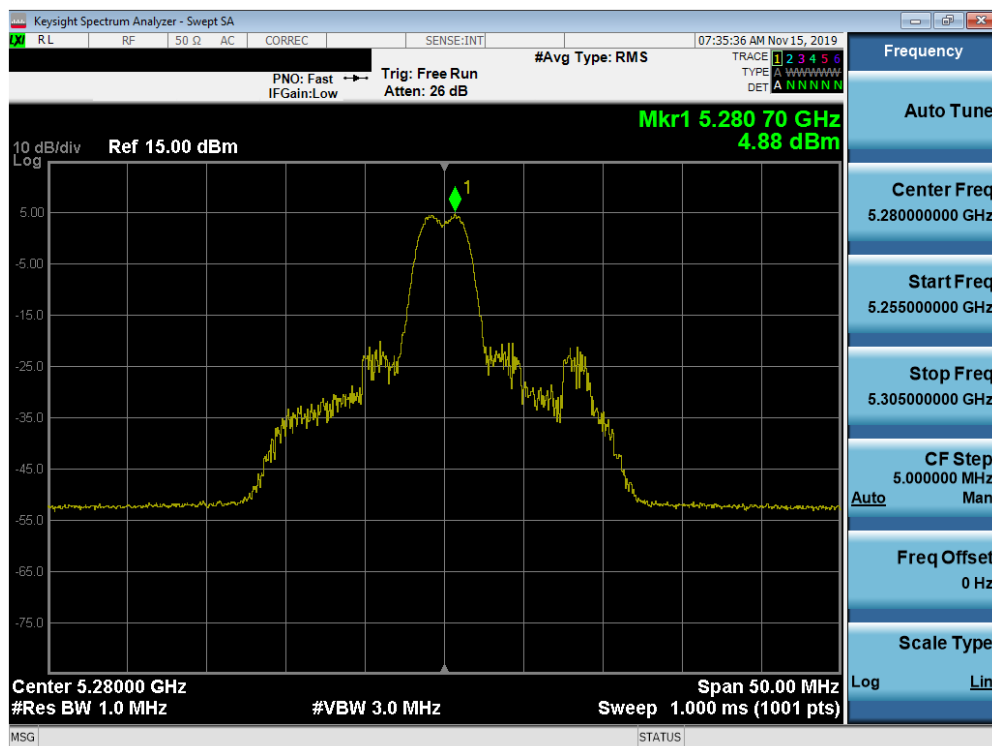


Plot 7-222. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax – 26 Tones (UNII Band 1) – Ch. 42)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 162 of 266

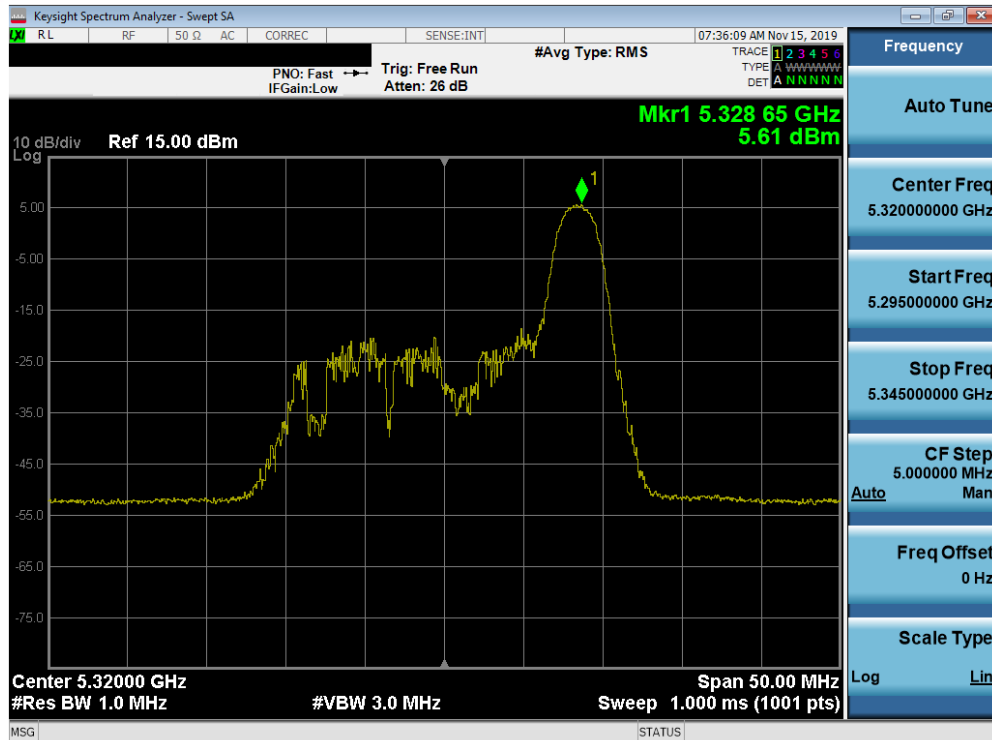


Plot 7-223. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 52)

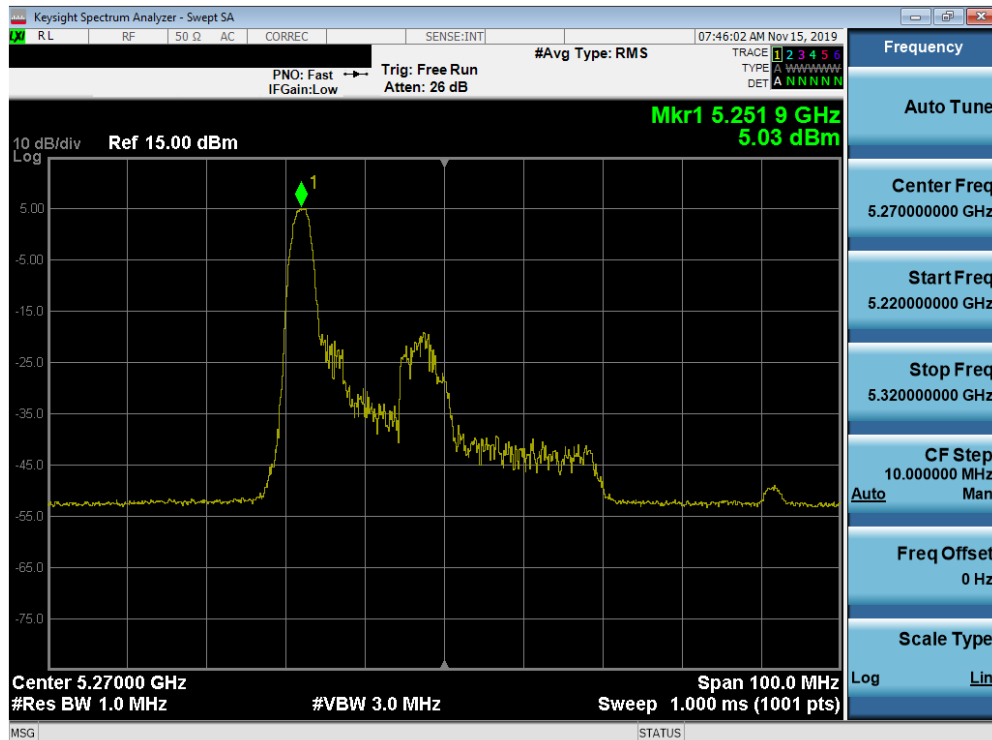


Plot 7-224. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 56)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 163 of 266



Plot 7-225. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 64)



Plot 7-226. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax – 26 Tones (UNII Band 2A) – Ch. 54)

FCC ID: A3LSMG986JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2001240012-06.A3L	Test Dates: 10/11/19 – 03/05/2020	EUT Type: Portable Handset		Page 164 of 266