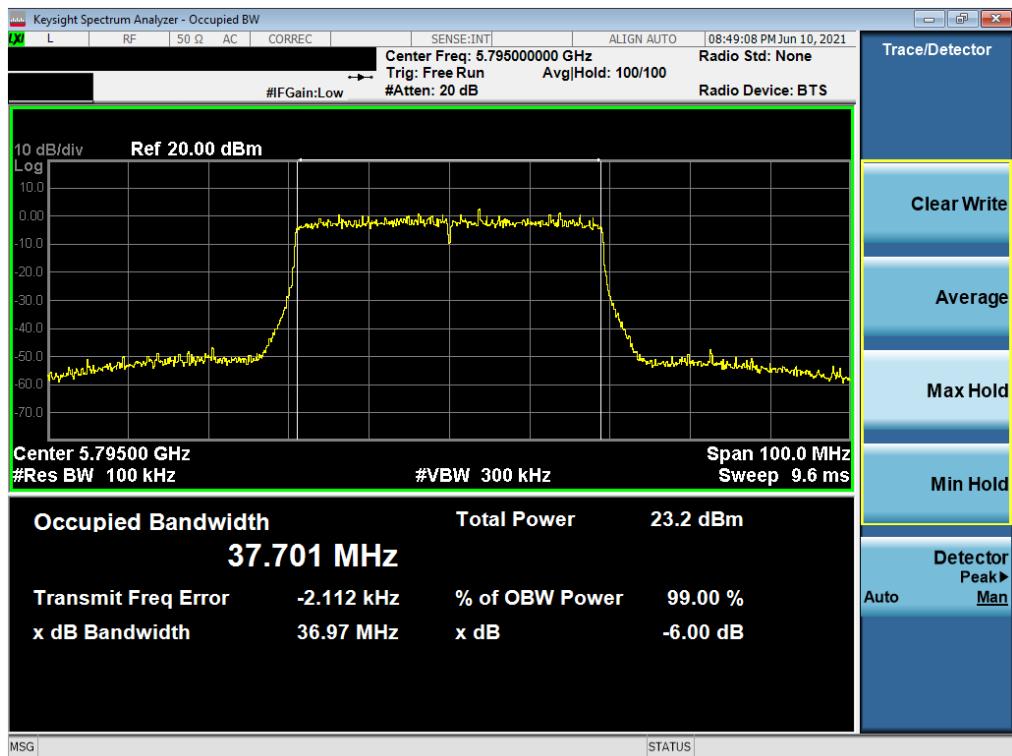
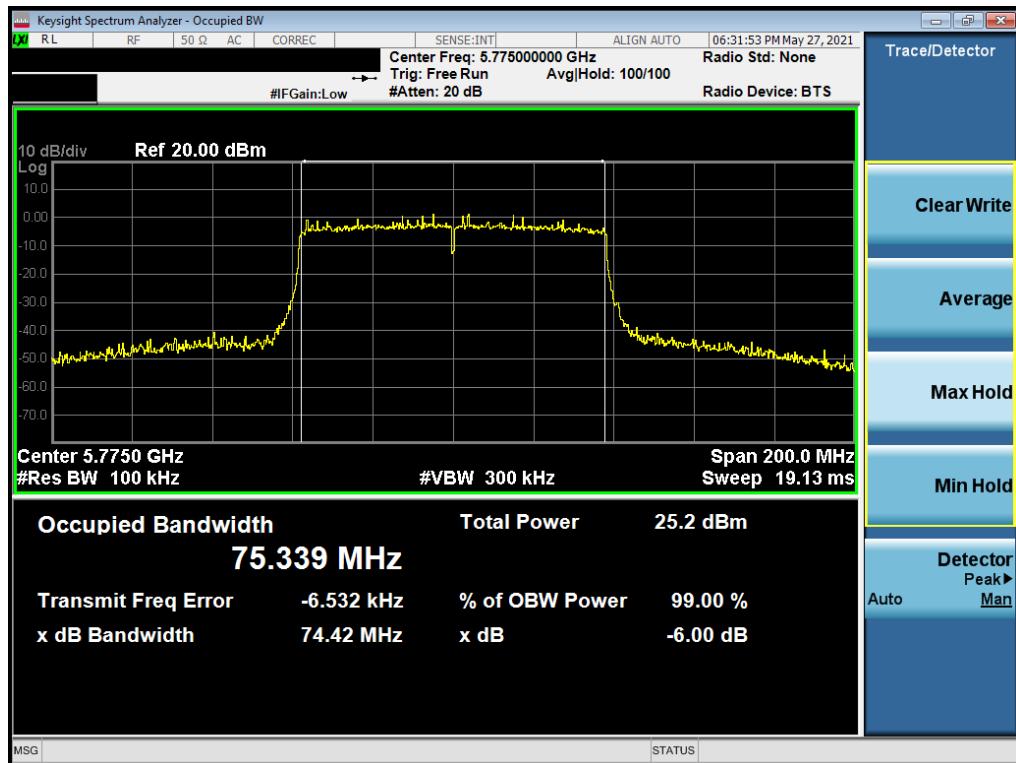


Plot 7-122. 6dB Bandwidth Plot SISO SOUTH (40MHz BW 802.11ax (UNII Band 3) – Ch. 151)



Plot 7-123. 6dB Bandwidth Plot SISO SOUTH (40MHz BW 802.11ax (UNII Band 3) – Ch. 159)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 81 of 336



Plot 7-124. 6dB Bandwidth Plot SISO SOUTH (80MHz BW 802.11ac (UNII Band 3) – Ch. 155)



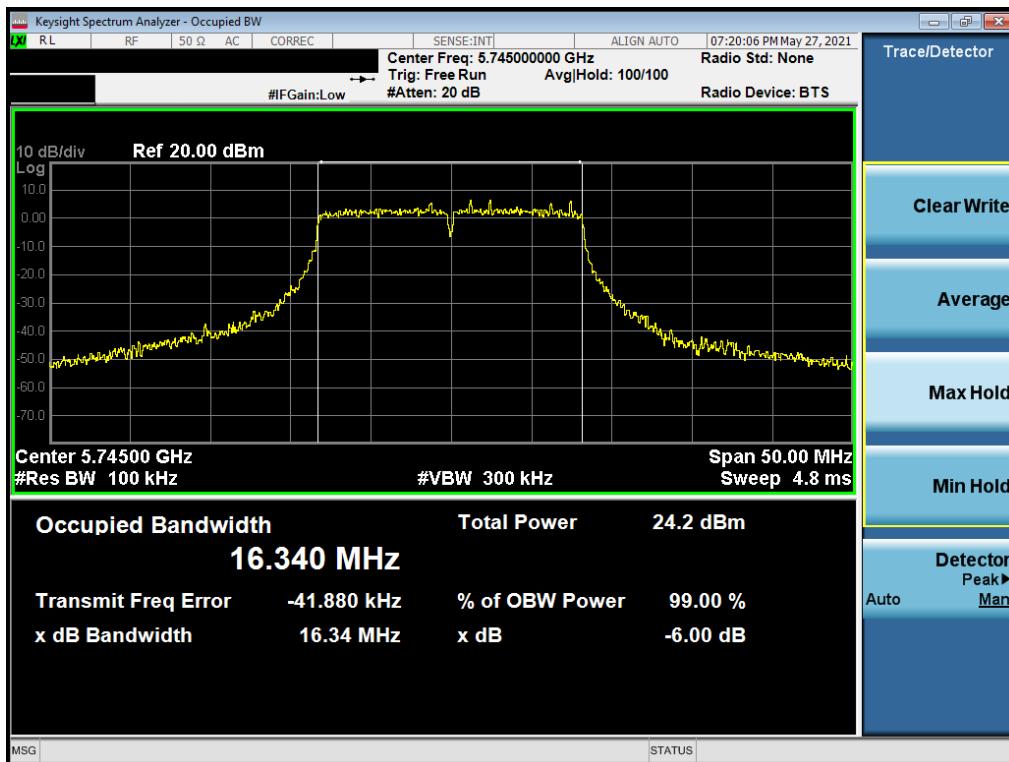
Plot 7-125. 6dB Bandwidth Plot SISO SOUTH (80MHz BW 802.11ax (UNII Band 3) – Ch. 155)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 82 of 336

SISO NORTH 6dB Bandwidth Measurements

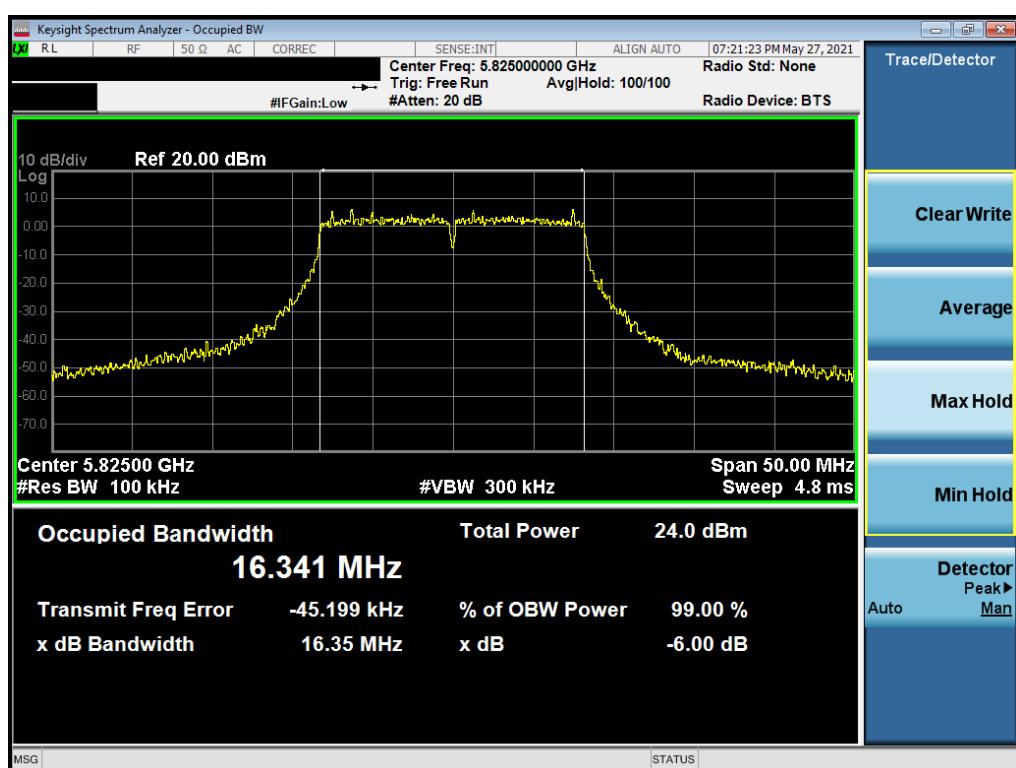
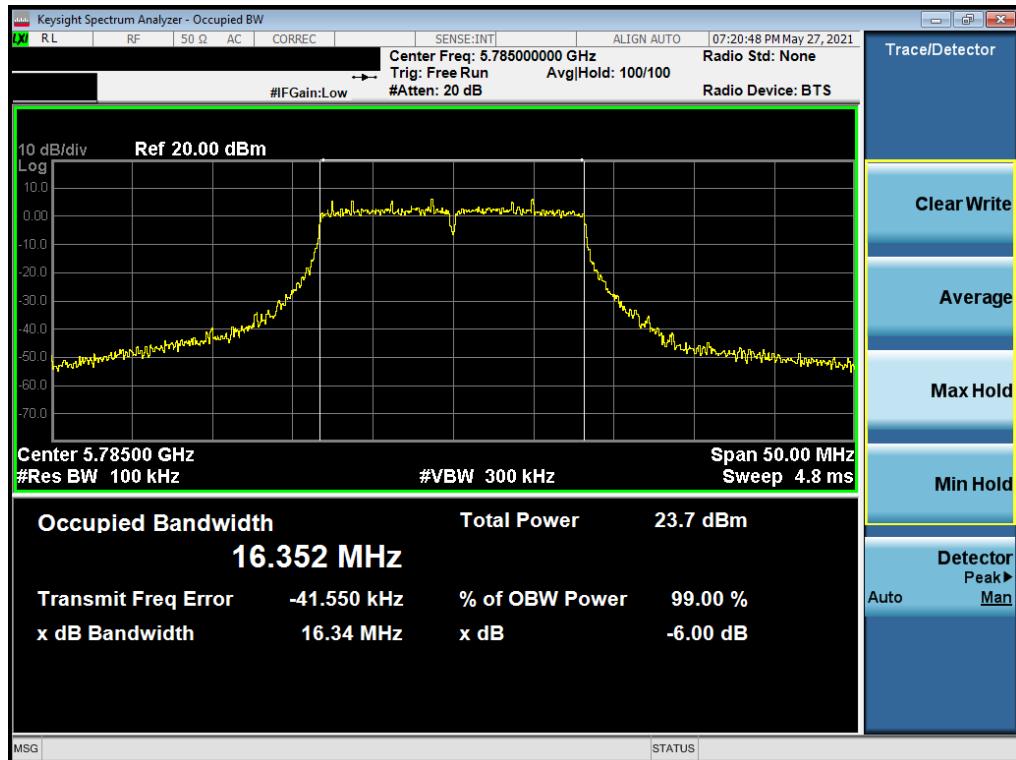
Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured 6dB Bandwidth [MHz]
Band 3	5745	149	a	6
	5785	157	a	6
	5825	165	a	6
	5745	149	n (20MHz)	6.5/7.2 (MCS0)
	5785	157	n (20MHz)	6.5/7.2 (MCS0)
	5825	165	n (20MHz)	6.5/7.2 (MCS0)
	5745	149	ax (20MHz)	6.5/7.2 (MCS0)
	5785	157	ax (20MHz)	6.5/7.2 (MCS0)
	5825	165	ax (20MHz)	6.5/7.2 (MCS0)
	5755	151	n (40MHz)	13.5/15 (MCS0)
	5795	159	n (40MHz)	13.5/15 (MCS0)
	5755	151	ax (40MHz)	13.5/15 (MCS0)
	5795	159	ax (40MHz)	13.5/15 (MCS0)
	5775	155	ac (80MHz)	29.3/32.5 (MCS0)
	5775	155	ax (80MHz)	29.3/32.5 (MCS0)
				76.77

Table 7-5. Conducted Bandwidth Measurements SISO NORTH

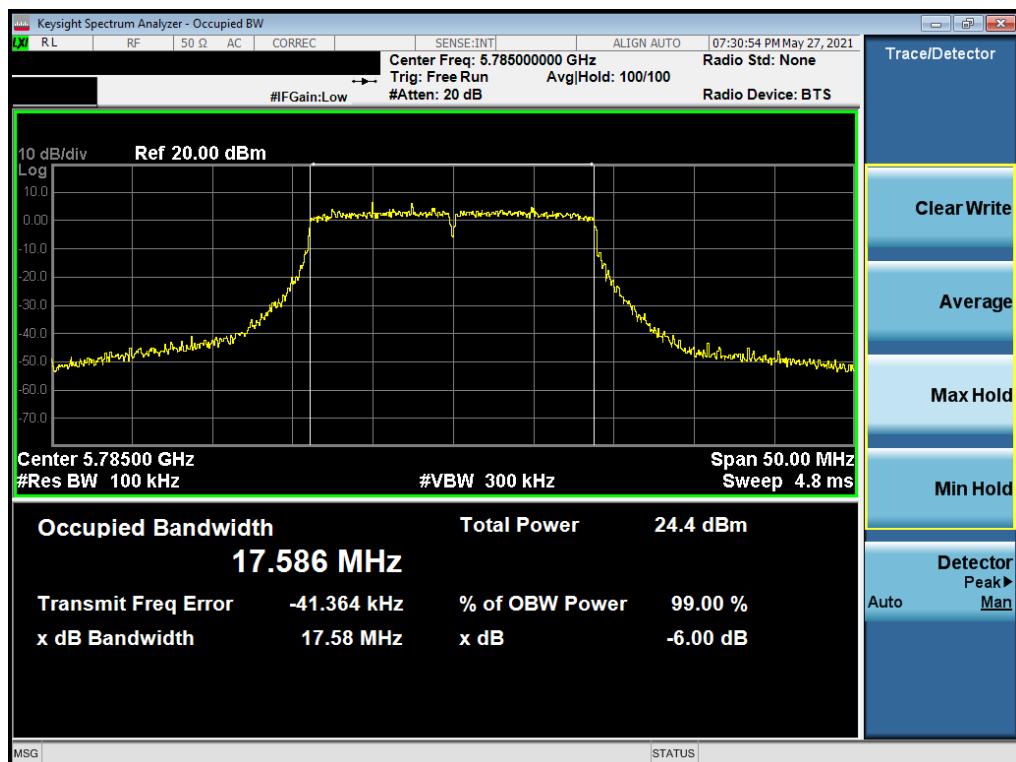
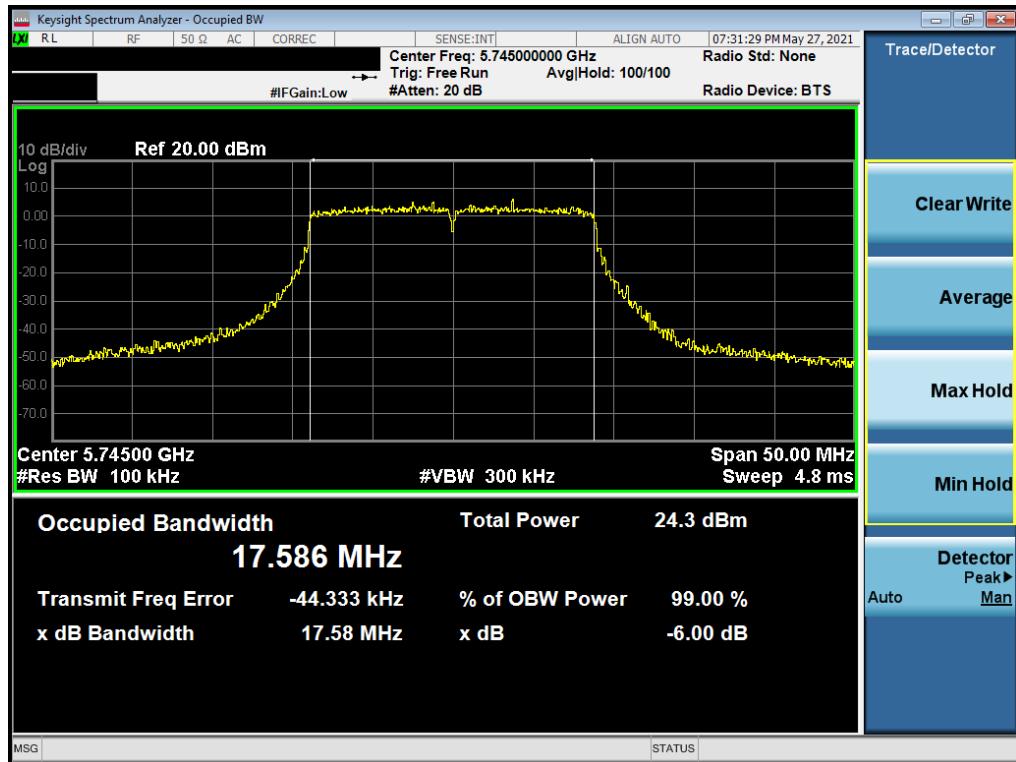


Plot 7-126. 6dB Bandwidth Plot SISO NORTH (802.11a (UNII Band 3) – Ch. 149)

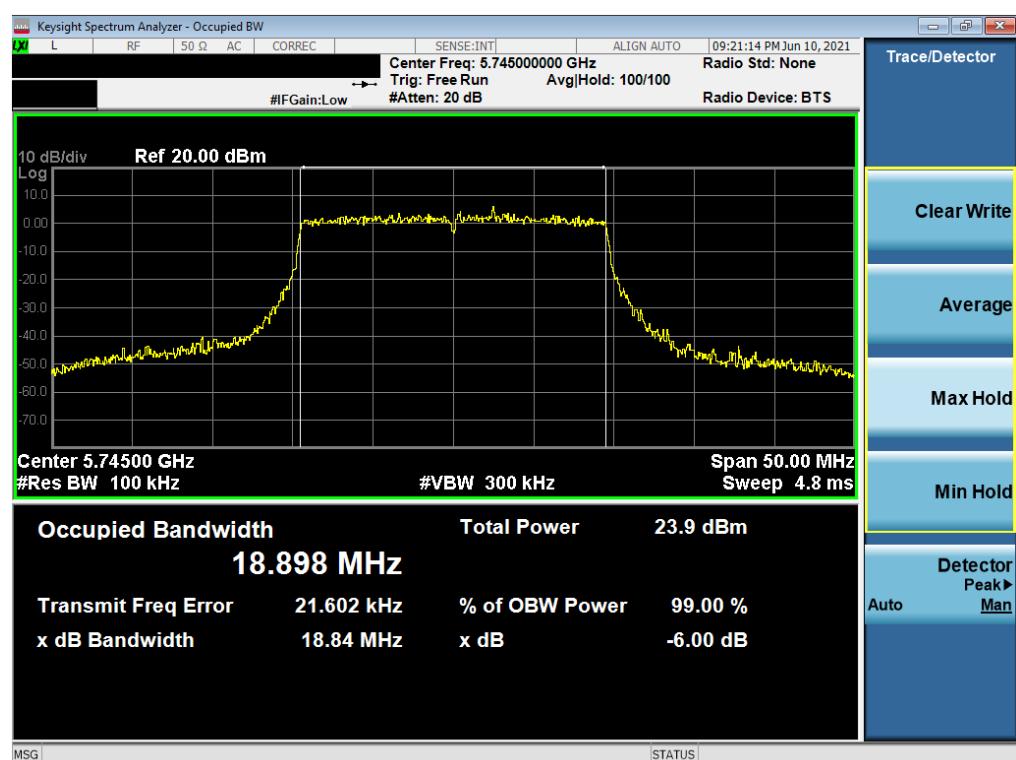
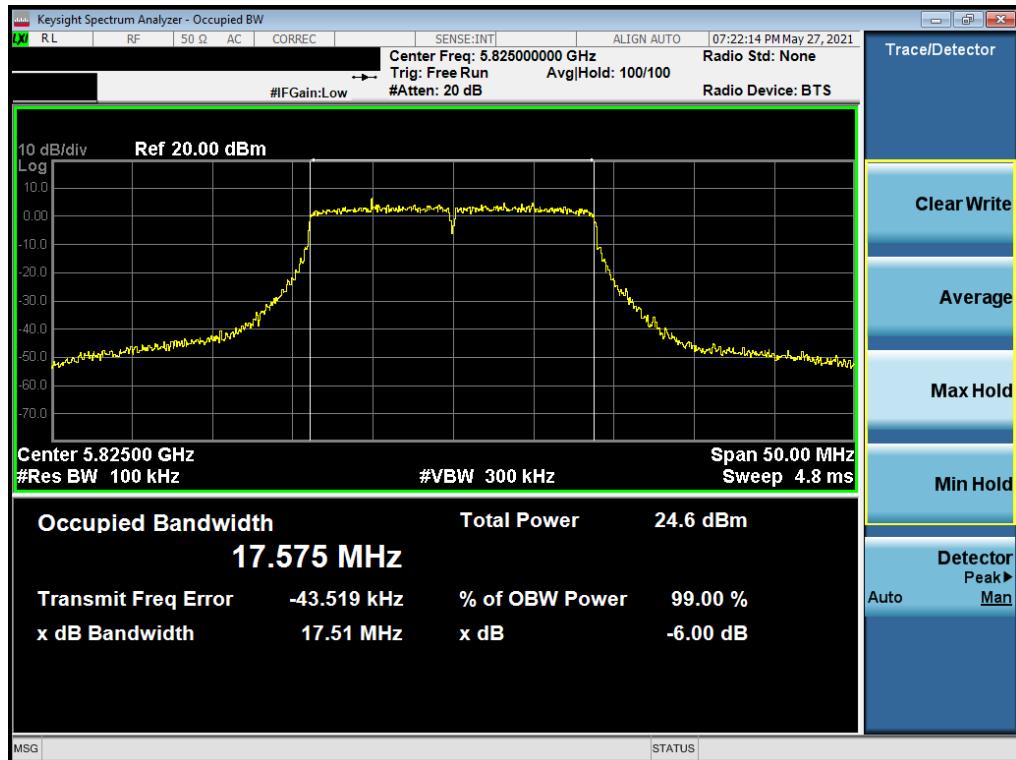
FCC ID: C3K1995 IC: 3048A-1995	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 83 of 336



FCC ID: C3K1995 IC: 3048A-1995	 Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 84 of 336



FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 85 of 336



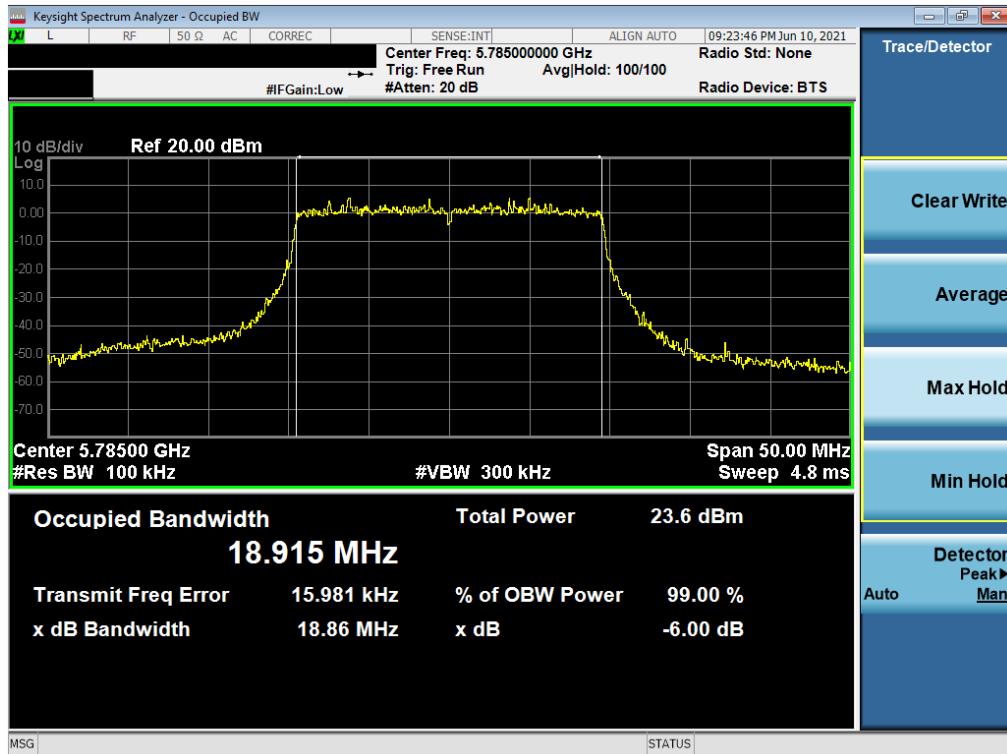
FCC ID: C3K1995	
IC: 3048A-1995	Proud to be part of 
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021

**MEASUREMENT REPORT
(CERTIFICATION)**

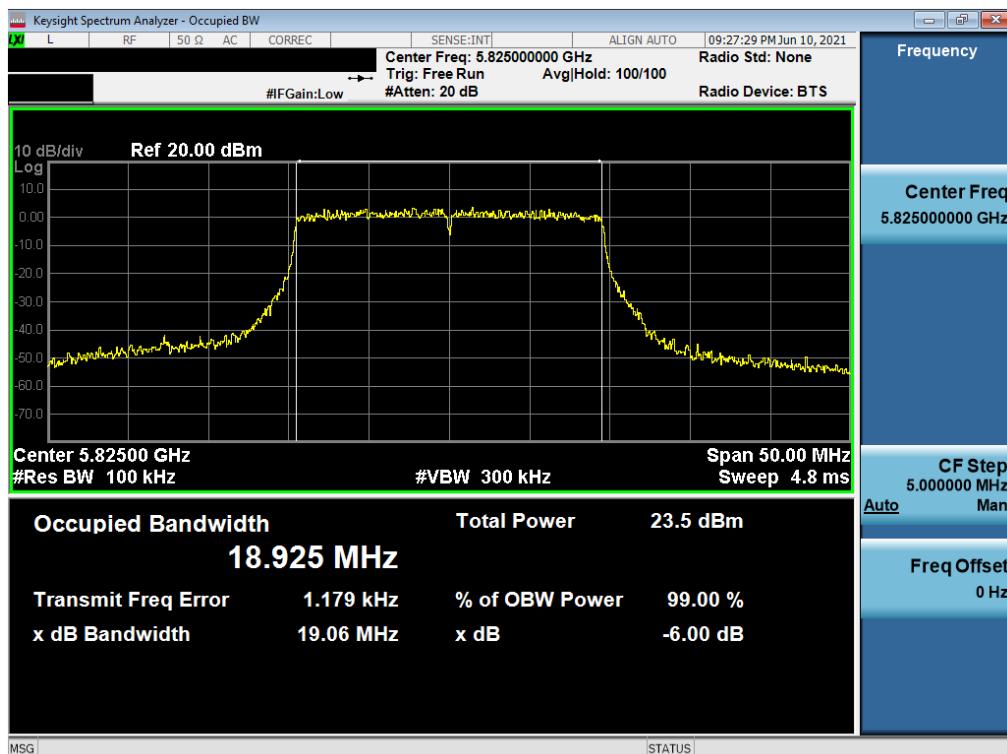


Approved by:
Technical Manager

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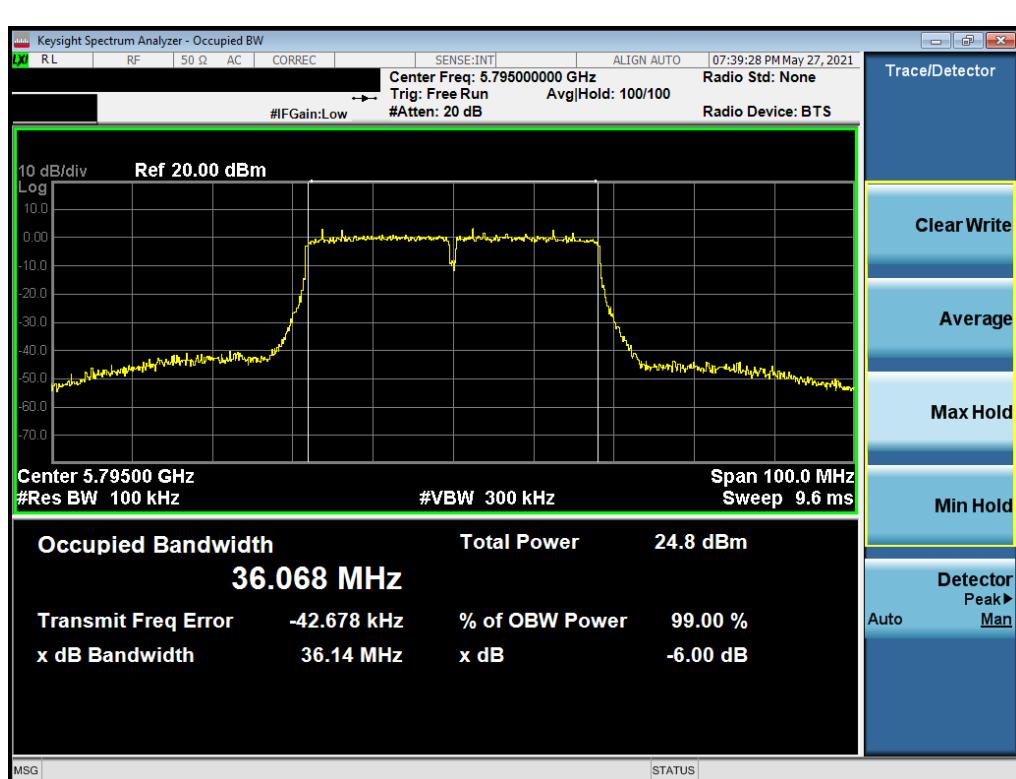
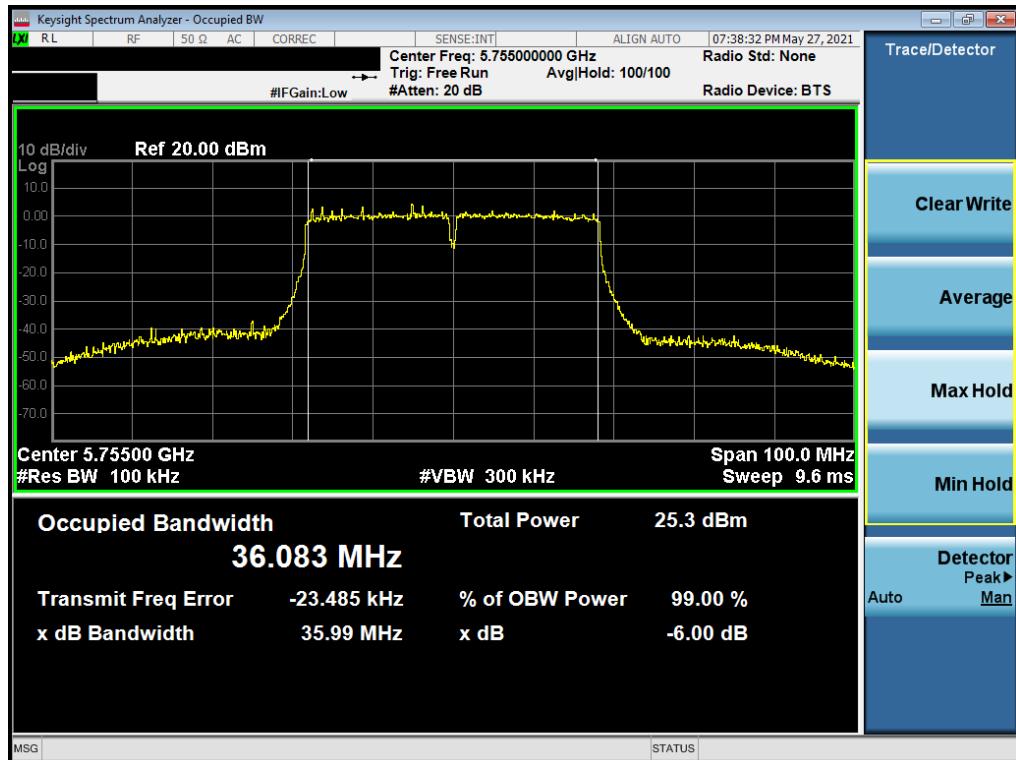


Plot 7-133. 6dB Bandwidth Plot SISO NORTH (20MHz BW 802.11ax (UNII Band 3) – Ch. 157)

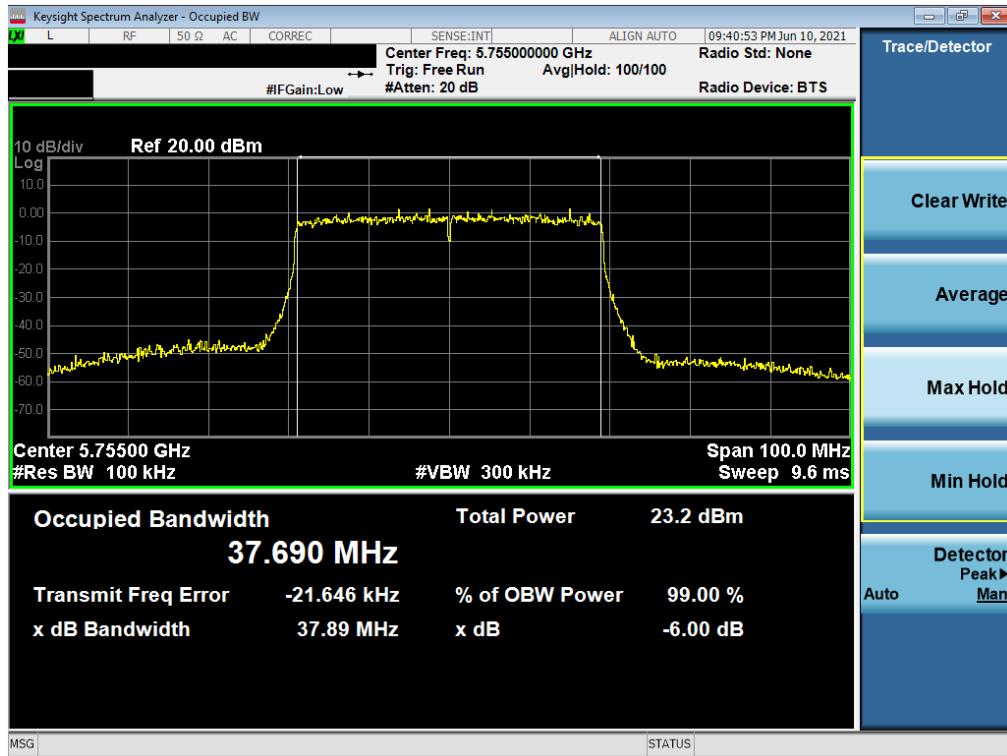


Plot 7-134. 6dB Bandwidth Plot SISO NORTH (20MHz BW 802.11ax (UNII Band 3) – Ch. 165)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 87 of 336



FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 88 of 336

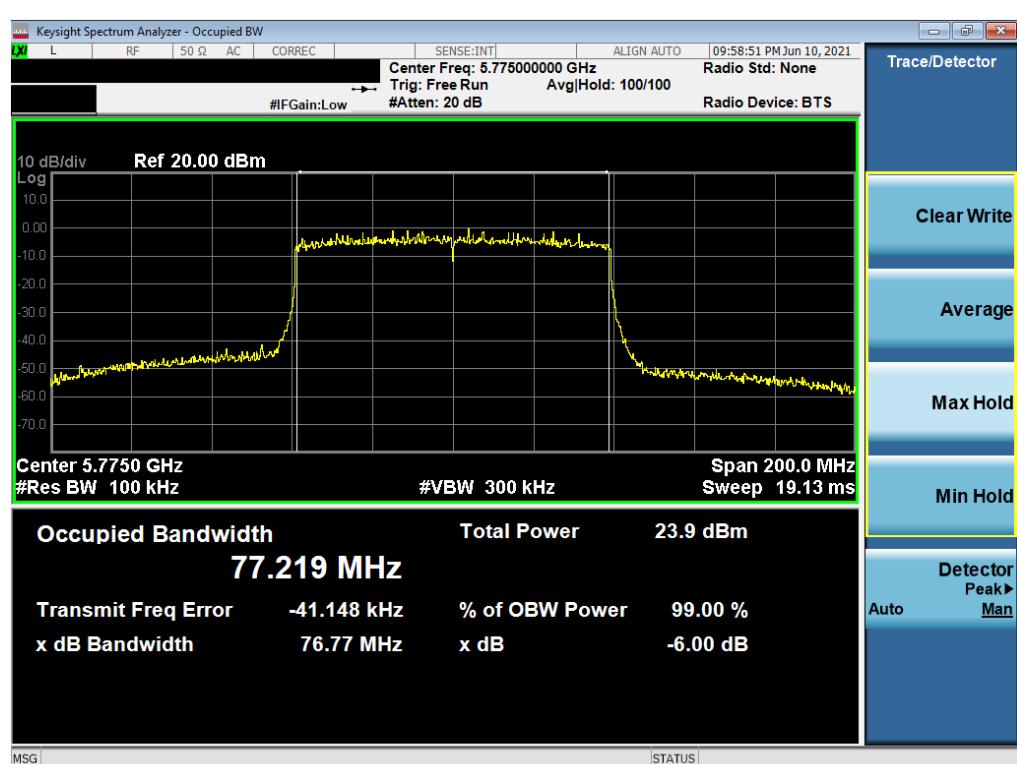
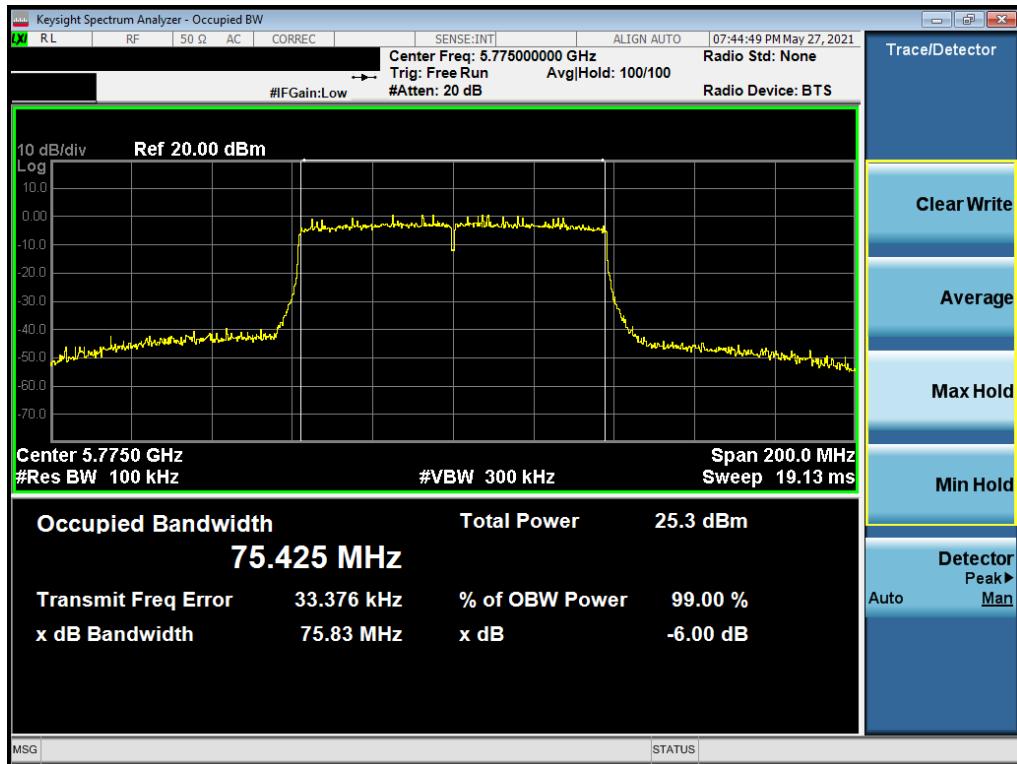


Plot 7-137. 6dB Bandwidth Plot SISO NORTH (40MHz BW 802.11ax (UNII Band 3) – Ch. 151)



Plot 7-138. 6dB Bandwidth Plot SISO NORTH (40MHz BW 802.11ax (UNII Band 3) – Ch. 159)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 89 of 336



FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 90 of 336

7.4 UNII Output Power Measurement – 802.11a/n/ac/ax

§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 (23.01dBm) or $10 + 10 \log_{10}B = 10 + 10\log(18.55) = 22.68dBm$.

In the 5.25 – 5.35GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) or $11 dBm + 10\log_{10}(26dB BW) = 11 dBm + 10\log_{10}(18.67) = 23.71dBm$. The maximum e.i.r.p. shall not exceed the lesser of 1.0 W (30dBm) or $17 + 10 \log_{10}B = 17 + 10\log(18.67) = 29.73 dBm$.

In the 5.47 – 5.725GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) or $11 dBm + 10\log_{10}(26dB BW) = 11 dBm + 10\log_{10}(18.73) = 23.73dBm$. The maximum e.i.r.p. shall not exceed the lesser of 1.0 W (30dBm) or $17 + 10 \log_{10}B = 17 + 10\log(18.73) = 29.73 dBm$.

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

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST® Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset			Page 91 of 336

Test Notes

Per RSS-247 Section 6.2.3, transmission on channels which overlap the 5600-5650 MHz is prohibited. This device operates under these frequencies only under the control of a certified master device and does not support active scanning on these channels. This device does not transmit any beacons or initiate any transmissions in UNII Bands 2A or 2C.

FCC ID: C3K1995 IC: 3048A-1995	 Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 92 of 336

SISO SOUTH Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	IEEE Transmission Mode				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]
				802.11a	802.11n	802.11ac	802.11ax						
5180	36	AVG	13.25	13.12	13.28	13.29	23.98	-10.70	6.20	19.48	22.68	-3.20	
5200	40	AVG	13.31	13.14	13.29	13.26	23.98	-10.67	6.20	19.51	22.68	-3.17	
5220	44	AVG	13.40	13.23	13.37	13.27	23.98	-10.58	6.20	19.60	22.68	-3.08	
5240	48	AVG	13.24	13.04	13.33	13.25	23.98	-10.65	6.20	19.53	22.68	-3.15	
5260	52	AVG	17.35	17.05	17.11	17.35	23.71	-6.36	6.30	23.65	29.73	-6.08	
5280	56	AVG	17.91	17.03	17.37	17.32	23.71	-5.80	6.30	24.21	29.73	-5.52	
5300	60	AVG	17.84	17.05	17.32	17.27	23.71	-5.87	6.30	24.14	29.73	-5.59	
5320	64	AVG	17.82	17.31	17.25	17.48	23.71	-5.89	6.30	24.12	29.73	-5.61	
5500	100	AVG	17.56	17.03	17.02	17.09	23.73	-6.17	5.60	23.16	29.73	-6.57	
5600	120	AVG	17.66	17.18	17.14	17.25	23.73	-6.07	5.60	23.26	-	-	
5620	124	AVG	17.58	17.11	17.09	17.19	23.73	-6.15	5.60	23.18	-	-	
5720	144	AVG	17.98	17.08	17.05	17.17	23.73	-5.75	5.60	23.58	29.73	-6.15	
5745	149	AVG	17.77	17.32	17.26	17.48	30.00	-12.23	3.60	21.37	-	-	
5785	157	AVG	17.64	17.26	17.31	17.37	30.00	-12.36	3.60	21.24	-	-	
5825	165	AVG	17.91	17.15	17.22	17.28	30.00	-12.09	3.60	21.51	-	-	

Table 7-6. SISO SOUTH 20MHz BW (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	IEEE Transmission Mode			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]
				802.11n	802.11ac	802.11ax						
5190	38	AVG	15.47	15.26	14.85	23.98	-8.51	6.20	21.67	22.68	-1.01	
5230	46	AVG	15.35	15.16	14.61	23.98	-8.63	6.20	21.55	22.68	-1.13	
5270	54	AVG	17.03	17.05	14.73	23.71	-6.66	6.30	23.35	29.73	-6.38	
5310	62	AVG	14.45	14.35	14.33	23.71	-9.26	6.30	20.75	29.73	-8.98	
5510	102	AVG	16.98	16.95	14.85	23.73	-6.75	5.60	22.58	29.73	-7.15	
5590	118	AVG	17.23	17.27	17.06	23.73	-6.46	5.60	22.87	-	-	
5630	126	AVG	17.43	17.45	17.11	23.73	-6.28	5.60	23.05	-	-	
5710	142	AVG	17.15	17.22	17.21	23.73	-6.51	5.60	22.82	29.73	-6.91	
5755	151	AVG	16.19	16.23	16.45	30.00	-13.77	3.60	19.83	-	-	
5795	159	AVG	16.49	16.12	16.27	30.00	-13.51	3.60	20.09	-	-	

Table 7-7. SISO SOUTH 40MHz BW (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	IEEE Transmission Mode		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]
				802.11ac	802.11ax						
5210	42	AVG	15.43	14.98	23.98	-8.55	6.20	21.63	22.68	-1.05	
5290	58	AVG	13.25	13.03	23.71	-10.46	6.30	19.55	29.73	-10.18	
5530	106	AVG	14.60	14.72	23.73	-9.13	5.60	20.20	29.73	-9.53	
5610	122	AVG	16.11	16.38	23.73	-7.62	5.60	21.71	-	-	
5690	138	AVG	16.03	16.44	23.73	-7.70	5.60	21.63	29.73	-8.10	
5775	155	AVG	16.17	16.39	30.00	-13.83	3.60	19.77	-	-	

Table 7-8. SISO SOUTH 80MHz BW (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Detector	IEEE Transmission Mode		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]
				802.11ac	802.11ax						
5250	50	AVG	13.17	13.33	23.98	-10.81	6.30	19.47	23.01	-3.54	
5570	114	AVG	13.53	14.38	30.00	-16.47	5.60	19.13	-	-	

Table 7-9. SISO SOUTH 160MHz BW (UNII) Maximum Conducted Output Power

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST[®] Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 93 of 336

SISO NORTH Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	IEEE Transmission Mode				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]
				802.11a	802.11n	802.11ac	802.11ax						
5180	36	AVG	13.04	13.42	13.34	13.21	23.98	-10.56	-2.10	11.32	22.68	-11.36	
5200	40	AVG	13.49	13.35	13.35	13.33	23.98	-10.49	-2.10	11.39	22.68	-11.29	
5220	44	AVG	13.16	13.48	13.49	13.47	23.98	-10.49	-2.10	11.39	22.68	-11.29	
5240	48	AVG	13.01	13.45	13.48	13.43	23.98	-10.50	-2.10	11.38	22.68	-11.30	
5260	52	AVG	17.37	17.22	17.12	17.46	23.71	-6.34	-0.80	16.57	29.73	-13.16	
5280	56	AVG	17.78	17.12	17.19	17.36	23.71	-5.93	-0.80	16.98	29.73	-12.75	
5300	60	AVG	17.82	17.13	17.16	17.29	23.71	-5.89	-0.80	17.02	29.73	-12.71	
5320	64	AVG	17.75	17.15	17.18	17.32	23.71	-5.96	-0.80	16.95	29.73	-12.78	
5500	100	AVG	17.79	17.26	17.21	17.24	23.73	-5.94	0.40	18.19	29.73	-11.54	
5600	120	AVG	17.61	17.47	17.35	17.13	23.73	-6.12	0.40	18.01	-	-	
5620	124	AVG	17.56	17.43	17.26	17.07	23.73	-6.17	0.40	17.96	-	-	
5720	144	AVG	17.51	17.44	17.32	17.11	23.73	-6.22	0.40	17.91	29.73	-11.82	
5745	149	AVG	17.76	17.16	17.22	17.17	30.00	-12.24	-0.30	17.46	-	-	
5785	157	AVG	17.38	17.26	17.15	17.21	30.00	-12.62	-0.30	17.08	-	-	
5825	165	AVG	17.51	17.35	17.32	17.31	30.00	-12.49	-0.30	17.21	-	-	

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

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	IEEE Transmission Mode			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]
				802.11n	802.11ac	802.11ax						
5190	38	AVG	15.14	15.11	14.85	23.98	-8.84	-2.10	13.04	22.68	-9.64	
5230	46	AVG	15.31	15.24	14.67	23.98	-8.67	-2.10	13.21	22.68	-9.47	
5270	54	AVG	17.21	17.17	14.65	23.71	-6.50	-0.80	16.41	29.73	-13.32	
5310	62	AVG	14.62	14.71	14.53	23.71	-9.00	-0.80	13.91	29.73	-15.82	
5510	102	AVG	16.75	16.83	14.72	23.73	-6.90	0.40	17.23	29.73	-12.50	
5590	118	AVG	17.44	17.43	17.22	23.73	-6.29	0.40	17.84	-	-	
5630	126	AVG	17.35	17.35	17.07	23.73	-6.38	0.40	17.75	-	-	
5710	142	AVG	17.18	17.24	17.49	23.73	-6.49	0.40	17.64	29.73	-12.09	
5755	151	AVG	16.42	16.48	16.24	30.00	-13.52	-0.30	16.18	-	-	
5795	159	AVG	16.22	16.24	16.17	30.00	-13.76	-0.30	15.94	-	-	

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

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	IEEE Transmission Mode		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]
				802.11ac	802.11ax						
5210	42	AVG	15.49	15.48	23.98	-8.49	-2.10	13.39	22.68	-9.29	
5290	58	AVG	13.49	13.14	23.71	-10.22	-0.80	12.69	29.73	-17.04	
5530	106	AVG	14.91	14.97	23.73	-8.82	0.40	15.31	29.73	-14.42	
5610	122	AVG	16.15	16.26	23.73	-7.58	0.40	16.55	-	-	
5690	138	AVG	16.04	16.34	23.73	-7.69	0.40	16.44	29.73	-13.29	
5775	155	AVG	16.22	16.28	30.00	-13.78	-0.30	15.92	-	-	

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

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Detector	IEEE Transmission Mode		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]
				802.11ac	802.11ax						
5250	50	AVG	13.47	13.53	23.98	-10.51	-2.10	11.43	22.68	-11.25	
5570	114	AVG	13.99	14.01	30.00	-16.01	0.40	14.41	-	-	

Table 7-13. SISO NORTH 160MHz BW (UNII) Maximum Conducted Output Power

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST [®] Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 94 of 336

MIMO Maximum Conducted Output Power Measurements

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	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]
				SOUTH	NORTH	MIMO						
	5180	36	AVG	10.45	10.61	13.54	23.98	-10.44	6.02	19.56	22.68	-3.12
	5200	40	AVG	10.41	10.71	13.57	23.98	-10.41	6.02	19.59	22.68	-3.09
	5220	44	AVG	10.42	10.67	13.56	23.98	-10.42	6.02	19.58	22.68	-3.10
	5240	48	AVG	10.48	10.69	13.60	23.98	-10.38	6.02	19.62	22.68	-3.06
	5260	52	AVG	17.15	16.72	19.95	23.71	-3.76	6.47	26.42	29.73	-3.31
	5280	56	AVG	17.91	17.62	20.78	23.71	-2.93	6.47	27.25	29.73	-2.48
	5300	60	AVG	17.84	17.59	20.73	23.71	-2.98	6.47	27.20	29.73	-2.53
	5320	64	AVG	17.82	17.09	20.48	23.71	-3.23	6.47	26.95	29.73	-2.78
	5500	100	AVG	17.56	16.97	20.29	23.73	-3.44	6.39	26.68	29.73	-3.05
	5600	120	AVG	17.66	17.04	20.37	23.73	-3.36	6.39	26.76	-	-
	5620	124	AVG	17.58	16.95	20.29	23.73	-3.44	6.39	26.68	-	-
	5720	144	AVG	17.98	16.82	20.45	23.73	-3.28	6.39	26.84	29.73	-2.89
	5745	149	AVG	17.77	17.03	20.43	30.00	-9.57	4.88	25.31	-	-
	5785	157	AVG	17.64	16.68	20.20	30.00	-9.80	4.88	25.08	-	-
	5825	165	AVG	17.91	16.67	20.34	30.00	-9.66	4.88	25.22	-	-

Table 7-14. MIMO 20MHz BW 802.11a (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	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]
				SOUTH	NORTH	MIMO						
	5180	36	AVG	10.63	10.24	13.45	23.98	-10.53	6.02	19.47	22.68	-3.21
	5200	40	AVG	10.73	10.35	13.55	23.98	-10.43	6.02	19.57	22.68	-3.11
	5220	44	AVG	10.71	10.28	13.51	23.98	-10.47	6.02	19.53	22.68	-3.15
	5240	48	AVG	10.72	10.29	13.52	23.98	-10.46	6.02	19.54	22.68	-3.14
	5260	52	AVG	17.11	16.64	19.89	23.71	-3.82	6.47	26.36	29.73	-3.37
	5280	56	AVG	17.13	16.63	19.90	23.71	-3.81	6.47	26.37	29.73	-3.36
	5300	60	AVG	17.09	16.71	19.91	23.71	-3.80	6.47	26.38	29.73	-3.35
	5320	64	AVG	17.08	16.65	19.88	23.71	-3.83	6.47	26.35	29.73	-3.38
	5500	100	AVG	17.23	16.25	19.78	23.73	-3.95	6.39	26.17	29.73	-3.56
	5600	120	AVG	17.21	16.13	19.71	23.73	-4.02	6.39	26.10	-	-
	5620	124	AVG	17.15	16.31	19.76	23.73	-3.97	6.39	26.15	-	-
	5720	144	AVG	17.35	16.42	19.92	23.73	-3.81	6.39	26.31	29.73	-3.42
	5745	149	AVG	17.47	16.31	19.94	30.00	-10.06	4.88	24.82	-	-
	5785	157	AVG	17.36	16.29	19.87	30.00	-10.13	4.88	24.75	-	-
	5825	165	AVG	17.11	16.35	19.76	30.00	-10.24	4.88	24.64	-	-

Table 7-15. MIMO 20MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: C3K1995 IC: 3048A-1995	 Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 95 of 336

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	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]
				SOUTH	NORTH	MIMO						
5180	36	AVG	10.58	10.22	13.41	23.98	-10.57	6.02	19.43	22.68	-3.25	
5200	40	AVG	10.56	10.17	13.38	23.98	-10.60	6.02	19.40	22.68	-3.28	
5220	44	AVG	10.59	10.31	13.46	23.98	-10.52	6.02	19.48	22.68	-3.20	
5240	48	AVG	10.66	10.25	13.47	23.98	-10.51	6.02	19.49	22.68	-3.19	
5260	52	AVG	17.31	17.25	20.29	23.71	-3.42	6.47	26.76	29.73	-2.97	
5280	56	AVG	17.32	17.18	20.26	23.71	-3.45	6.47	26.73	29.73	-3.00	
5300	60	AVG	17.36	17.09	20.24	23.71	-3.47	6.47	26.71	29.73	-3.02	
5320	64	AVG	17.35	17.06	20.22	23.71	-3.49	6.47	26.69	29.73	-3.04	
5500	100	AVG	17.06	16.54	19.82	23.73	-3.91	6.39	26.21	29.73	-3.52	
5600	120	AVG	17.08	16.43	19.78	23.73	-3.95	6.39	26.17	-	-	
5620	124	AVG	17.11	16.58	19.86	23.73	-3.87	6.39	26.25	-	-	
5720	144	AVG	16.72	15.73	19.26	23.73	-4.47	6.39	25.65	29.73	-4.08	
5745	149	AVG	17.24	16.05	19.70	30.00	-10.30	4.88	24.58	-	-	
5785	157	AVG	17.15	16.23	19.72	30.00	-10.28	4.88	24.60	-	-	
5825	165	AVG	17.19	16.13	19.70	30.00	-10.30	4.88	24.58	-	-	

Table 7-16. MIMO 20MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	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]
				SOUTH	NORTH	MIMO						
5180	36	AVG	12.43	11.36	14.94	23.98	-9.04	6.02	20.96	22.68	-1.72	
5200	40	AVG	12.34	11.43	14.92	23.98	-9.06	6.02	20.94	22.68	-1.74	
5220	44	AVG	12.41	11.72	15.09	23.98	-8.89	6.02	21.11	22.68	-1.57	
5240	48	AVG	12.38	11.82	15.12	23.98	-8.86	6.02	21.14	22.68	-1.54	
5260	52	AVG	17.35	16.55	19.98	23.71	-3.73	6.47	26.45	29.73	-3.28	
5280	56	AVG	17.36	16.55	19.98	23.71	-3.73	6.47	26.45	29.73	-3.28	
5300	60	AVG	17.28	16.81	20.06	23.71	-3.65	6.47	26.53	29.73	-3.20	
5320	64	AVG	17.41	16.48	19.98	23.71	-3.73	6.47	26.45	29.73	-3.28	
5500	100	AVG	17.45	16.36	19.95	23.73	-3.78	6.39	26.34	29.73	-3.39	
5600	120	AVG	17.44	16.32	19.93	23.73	-3.80	6.39	26.32	-	-	
5620	124	AVG	17.39	16.34	19.91	23.73	-3.82	6.39	26.30	-	-	
5720	144	AVG	17.48	16.05	19.83	23.73	-3.90	6.39	26.22	29.73	-3.51	
5745	149	AVG	17.46	16.84	20.17	30.00	-9.83	4.88	25.05	-	-	
5785	157	AVG	17.37	16.42	19.93	30.00	-10.07	4.88	24.81	-	-	
5825	165	AVG	17.41	16.08	19.81	30.00	-10.19	4.88	24.69	-	-	

Table 7-17. MIMO 20MHz BW 802.11ax (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	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]
				SOUTH	NORTH	MIMO						
5190	38	AVG	13.07	12.14	15.64	23.98	-8.34	6.02	21.66	22.68	-1.02	
5230	46	AVG	12.94	12.13	15.56	23.98	-8.42	6.02	21.58	22.68	-1.10	
5270	54	AVG	17.42	17.16	20.30	23.71	-3.41	6.47	26.77	29.73	-2.96	
5310	62	AVG	14.92	14.05	17.52	23.71	-6.19	6.47	23.99	29.73	-5.74	
5510	102	AVG	16.55	15.71	19.16	23.73	-4.57	6.39	25.55	29.73	-4.18	
5590	118	AVG	17.20	16.59	19.92	23.73	-3.81	6.39	26.31	-	-	
5630	126	AVG	17.41	16.49	19.98	23.73	-3.75	6.39	26.37	-	-	
5710	142	AVG	17.37	16.17	19.82	23.73	-3.91	6.39	26.21	29.73	-3.52	
5755	151	AVG	16.11	15.75	18.94	30.00	-11.06	4.88	23.82	-	-	
5795	159	AVG	16.17	15.64	18.92	30.00	-11.08	4.88	23.80	-	-	

Table 7-18. MIMO 40MHz BW 802.11n (UNII) Maximum Conducted Output Power

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST [®] Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 96 of 336

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	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]
				SOUTH	NORTH	MIMO						
	5190	38	AVG	13.47	12.86	16.19	23.98	-7.79	6.02	22.21	22.68	-0.47
	5230	46	AVG	12.88	12.23	15.58	23.98	-8.40	6.02	21.60	22.68	-1.08
	5270	54	AVG	17.04	16.71	19.89	23.71	-3.82	6.47	26.36	29.73	-3.37
	5310	62	AVG	14.89	14.08	17.51	23.71	-6.20	6.47	23.98	29.73	-5.75
	5510	102	AVG	16.57	15.66	19.15	23.73	-4.58	6.39	25.54	29.73	-4.19
	5590	118	AVG	17.47	17.01	20.26	23.73	-3.47	6.39	26.65	-	-
	5630	126	AVG	17.30	16.41	19.89	23.73	-3.84	6.39	26.28	-	-
	5710	142	AVG	17.24	16.27	19.79	23.73	-3.94	6.39	26.18	29.73	-3.55
	5755	151	AVG	16.17	15.85	19.02	30.00	-10.98	4.88	23.90	-	-
	5795	159	AVG	16.24	15.69	18.98	30.00	-11.02	4.88	23.86	-	-

Table 7-19. MIMO 40MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	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]
				SOUTH	NORTH	MIMO						
	5190	38	AVG	12.35	11.55	14.98	23.98	-9.00	6.02	21.00	22.68	-1.68
	5230	46	AVG	12.32	11.71	15.04	23.98	-8.94	6.02	21.06	22.68	-1.62
	5270	54	AVG	12.27	11.46	14.89	23.71	-8.82	6.47	21.36	29.73	-8.37
	5310	62	AVG	12.12	11.63	14.89	23.71	-8.82	6.47	21.36	29.73	-8.37
	5510	102	AVG	14.89	14.31	17.62	23.73	-6.11	6.39	24.01	29.73	-5.72
	5590	118	AVG	16.92	16.57	19.76	23.73	-3.97	6.39	26.15	-	-
	5630	126	AVG	17.01	17.39	20.21	23.73	-3.52	6.39	26.60	-	-
	5710	142	AVG	17.15	16.01	19.63	23.73	-4.10	6.39	26.02	29.73	-3.71
	5755	151	AVG	16.43	15.67	19.08	30.00	-10.92	4.88	23.96	-	-
	5795	159	AVG	16.47	15.56	19.05	30.00	-10.95	4.88	23.93	-	-

Table 7-20. MIMO 40MHz BW 802.11ax (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	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]
				SOUTH	NORTH	MIMO						
	5210	42	AVG	13.02	12.25	15.66	23.98	-8.32	6.02	21.68	22.68	-1.00
	5290	58	AVG	13.02	12.52	15.79	23.71	-7.92	6.47	22.26	29.73	-7.47
	5530	106	AVG	14.99	14.40	17.72	23.73	-6.01	6.39	24.11	29.73	-5.62
	5610	122	AVG	16.11	15.72	18.93	23.73	-4.80	6.39	25.32	-	-
	5690	138	AVG	16.29	15.86	19.09	23.73	-4.64	6.39	25.48	29.73	-4.25
	5775	155	AVG	16.05	15.56	18.82	30.00	-11.18	4.88	23.70	-	-

Table 7-21. MIMO 80MHz BW 802.11ac (UNII) Maximum Conducted Output Power

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	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]
				SOUTH	NORTH	MIMO						
	5210	42	AVG	13.04	12.31	15.70	23.98	-8.28	6.02	21.72	22.68	-0.96
	5290	58	AVG	12.14	11.37	14.78	23.71	-8.93	6.47	21.25	29.73	-8.48
	5530	106	AVG	13.18	12.68	15.95	23.73	-7.78	6.39	22.34	29.73	-7.39
	5610	122	AVG	16.27	15.36	18.85	23.73	-4.88	6.39	25.24	-	-
	5690	138	AVG	16.48	15.16	18.88	23.73	-4.85	6.39	25.27	29.73	-4.46
	5775	155	AVG	16.29	15.37	18.86	30.00	-11.14	4.88	23.74	-	-

Table 7-22. MIMO 80MHz BW 802.11ax (UNII) Maximum Conducted Output Power

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Detector	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]
				SOUTH	NORTH	MIMO						
	5250	50	AVG	13.49	12.95	16.24	23.98	-7.74	6.02	22.26	22.68	-0.42
	5570	114	AVG	13.57	13.12	16.36	23.73	-7.37	6.39	22.75	-	-

Table 7-23. MIMO 160MHz BW 802.11ac (UNII) Maximum Conducted Output Power

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Detector	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]
				SOUTH	NORTH	MIMO						
	5250	50	AVG	13.69	12.91	16.33	23.98	-7.65	6.02	22.35	22.68	-0.33
	5570	114	AVG	13.53	12.22	15.93	23.73	-7.80	6.39	22.32	-	-

Table 7-24. MIMO 160MHz BW 802.11ax (UNII) Maximum Conducted Output Power

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST[®] Proud to be part of  MEASUREMENT REPORT (CERTIFICATION)				Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset			

Note:

Per ANSI C63.10-2013 and KDB 662911 v02r01 Section E)1), the conducted powers at North Antenna and South Antenna were first measured separately during MIMO 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.

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

Sample MIMO Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average conducted output power was measured to be 10.63 dBm for SOUTH and 10.24 dBm for NORTH.

South Antenna + North Antenna = MIMO

$$(13.12 \text{ dBm} + 12.37 \text{ dBm}) = (20.512 \text{ mW} + 17.258 \text{ mW}) = 37.757 \text{ mW} = 15.77 \text{ dBm}$$

Sample e.i.r.p. Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average MIMO conducted power was calculated to be 15.77 dBm with directional gain of 6.02 dBi.

$$\text{e.i.r.p. (dBm)} = \text{Conducted Power (dBm)} + \text{Ant gain (dBi)}$$

$$15.77 \text{ dBm} + 6.02 \text{ dBi} = 21.79 \text{ dBm}$$

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST[®] Proud to be part of element		MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
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7.5 Maximum Power Spectral Density – 802.11a/n/ac/ax

§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 $\geq 2 \times (\text{span}/\text{RBW})$
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

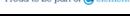
None

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST® <small>Proud to be part of element</small>		MEASUREMENT REPORT (CERTIFICATION)	 Microsoft <small>Approved by: Technical Manager</small>
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	 Microsoft <small>Approved by: Technical Manager</small>	

SISO SOUTH Power Spectral Density Measurements

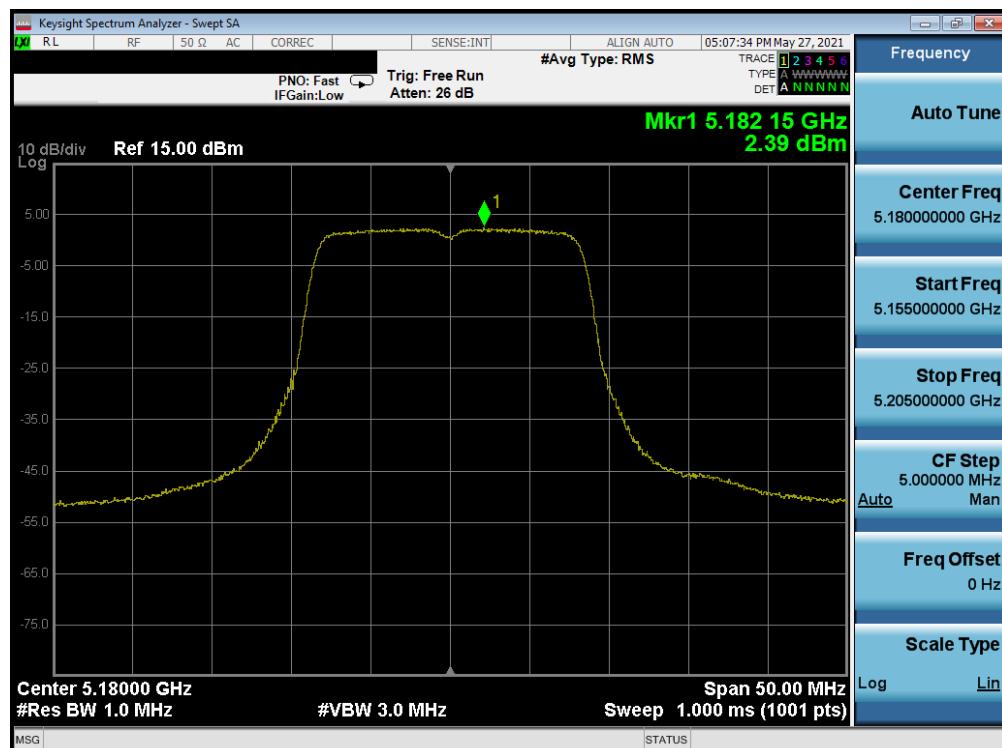
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	a	6	2.39	10.80	-8.41
	5200	40	a	6	2.32	10.80	-8.48
	5240	48	a	6	2.81	10.80	-7.99
	5180	36	n (20MHz)	6.5/7.2 (MCS0)	1.92	10.80	-8.88
	5200	40	n (20MHz)	6.5/7.2 (MCS0)	1.77	10.80	-9.03
	5240	48	n (20MHz)	6.5/7.2 (MCS0)	1.81	10.80	-8.99
	5180	36	ax (20MHz)	6.5/7.2 (MCS0)	1.79	10.80	-9.01
	5200	40	ax (20MHz)	6.5/7.2 (MCS0)	2.06	10.80	-8.74
	5240	48	ax (20MHz)	6.5/7.2 (MCS0)	2.06	10.80	-8.74
	5190	38	n (40MHz)	13.5/15 (MCS0)	1.40	10.80	-9.40
	5230	46	n (40MHz)	13.5/15 (MCS0)	0.76	10.80	-10.04
	5190	38	ax (40MHz)	13.5/15 (MCS0)	0.90	10.80	-9.90
Band 1/2A	5230	46	ax (40MHz)	13.5/15 (MCS0)	1.30	10.80	-9.50
	5210	42	ac (80MHz)	29.3/32.5 (MCS0)	-2.51	10.80	-13.31
	5210	42	ax (80MHz)	29.3/32.5 (MCS0)	-2.45	10.80	-13.25
	5250	50	ac (160MHz)	58.5/65 (MCS0)	-5.22	10.80	-16.02
	5250	50	ax (160MHz)	ax (160MHz)	-3.20	10.80	-14.00
	5260	52	a	6	6.85	10.70	-3.85
	5280	56	a	6	6.86	10.70	-3.84
	5320	64	a	6	6.39	10.70	-4.31
	5260	52	n (20MHz)	6.5/7.2 (MCS0)	6.72	10.70	-3.98
	5280	56	n (20MHz)	6.5/7.2 (MCS0)	6.80	10.70	-3.90
	5320	64	n (20MHz)	6.5/7.2 (MCS0)	6.60	10.70	-4.10
Band 2A	5260	52	ax (20MHz)	6.5/7.2 (MCS0)	6.09	10.70	-4.61
	5280	56	ax (20MHz)	6.5/7.2 (MCS0)	5.77	10.70	-4.93
	5320	64	ax (20MHz)	6.5/7.2 (MCS0)	6.01	10.70	-4.69
	5270	54	n (40MHz)	13.5/15 (MCS0)	3.42	10.70	-7.28
	5310	62	n (40MHz)	13.5/15 (MCS0)	3.71	10.70	-6.99
	5270	54	ax (40MHz)	13.5/15 (MCS0)	2.98	10.70	-7.72
	5310	62	ax (40MHz)	13.5/15 (MCS0)	2.98	10.70	-7.72
	5290	58	ac (80MHz)	29.3/32.5 (MCS0)	0.38	10.70	-10.32
	5290	58	ax (80MHz)	29.3/32.5 (MCS0)	-1.57	10.70	-12.27
	5500	100	a	6	6.86	11.0	-4.14
	5600	120	a	6	6.52	11.0	-4.48
Band 2C	5720	144	a	6	6.58	11.0	-4.42
	5500	100	n (20MHz)	6.5/7.2 (MCS0)	6.43	11.0	-4.58
	5600	120	n (20MHz)	6.5/7.2 (MCS0)	6.16	11.0	-4.84
	5720	144	n (20MHz)	6.5/7.2 (MCS0)	6.31	11.0	-4.69
	5500	100	ax (20MHz)	6.5/7.2 (MCS0)	6.41	11.0	-4.59
	5600	120	ax (20MHz)	6.5/7.2 (MCS0)	6.16	11.0	-4.84
	5720	144	ax (20MHz)	6.5/7.2 (MCS0)	6.10	11.0	-4.90
	5510	102	n (40MHz)	13.5/15 (MCS0)	3.35	11.0	-7.65
	5590	118	n (40MHz)	13.5/15 (MCS0)	3.35	11.0	-7.65
	5710	142	n (40MHz)	13.5/15 (MCS0)	3.03	11.0	-7.97
	5510	102	ax (40MHz)	13.5/15 (MCS0)	3.21	11.0	-7.79
	5590	118	ax (40MHz)	13.5/15 (MCS0)	2.43	11.0	-8.57
	5710	142	ax (40MHz)	13.5/15 (MCS0)	3.70	11.0	-7.30
Band 2C	5530	106	ac (80MHz)	29.3/32.5 (MCS0)	0.27	11.0	-10.73
	5610	122	ac (80MHz)	29.3/32.5 (MCS0)	0.83	11.0	-10.17
	5690	138	ac (80MHz)	29.3/32.5 (MCS0)	-2.47	11.0	-13.47
	5530	106	ax (80MHz)	29.3/32.5 (MCS0)	-1.62	11.0	-12.62
	5610	122	ax (80MHz)	29.3/32.5 (MCS0)	-1.41	11.0	-12.41
	5690	138	ax (80MHz)	29.3/32.5 (MCS0)	-0.90	11.0	-11.90
	5570	114	ac (160MHz)	58.5/65 (MCS0)	-5.31	11.0	-16.31
	5570	114	ax (160MHz)	58.5/65 (MCS0)	-3.10	11.0	-14.10

Table 7-25. Bands 1, 2A, 2C Conducted Power Spectral Density Measurements SISO SOUTH

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 101 of 336

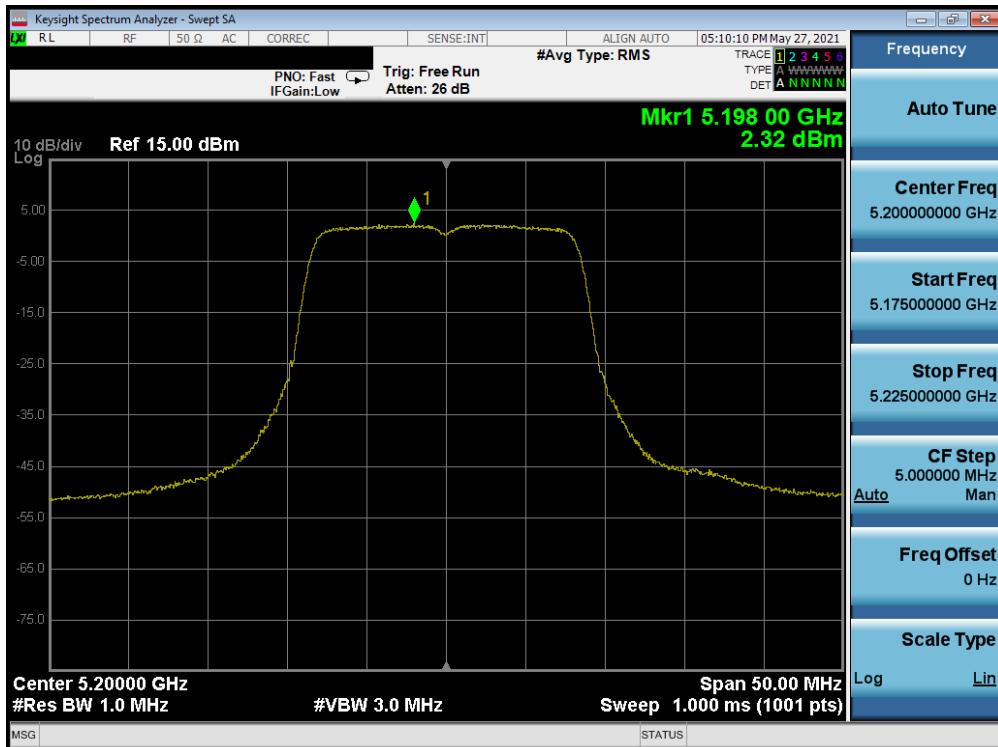
Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density	Margin [dB]
5180	36	a	6	2.39	6.20	8.59	10.0	-1.41
5200	40	a	6	2.32	6.20	8.52	10.0	-1.48
5240	48	a	6	2.81	6.20	9.01	10.0	-0.99
5180	36	n (20MHz)	6.5/7.2 (MCS0)	1.92	6.20	8.12	10.0	-1.88
5200	40	n (20MHz)	6.5/7.2 (MCS0)	1.77	6.20	7.97	10.0	-2.03
5240	48	n (20MHz)	6.5/7.2 (MCS0)	1.81	6.20	8.01	10.0	-1.99
5180	36	ax (20MHz)	6.5/7.2 (MCS0)	1.79	6.20	7.99	10.0	-2.01
5200	40	ax (20MHz)	6.5/7.2 (MCS0)	2.06	6.20	8.26	10.0	-1.74
5240	48	ax (20MHz)	6.5/7.2 (MCS0)	2.06	6.20	8.26	10.0	-1.74
5190	38	n (40MHz)	13.5/15 (MCS0)	1.40	6.20	7.60	10.0	-2.40
5230	46	n (40MHz)	13.5/15 (MCS0)	0.76	6.20	6.96	10.0	-3.04
5190	38	ax (40MHz)	13.5/15 (MCS0)	0.90	6.20	7.10	10.0	-2.90
5230	46	ax (40MHz)	13.5/15 (MCS0)	1.30	6.20	7.50	10.0	-2.50
5210	42	ac (80MHz)	29.3/32.5 (MCS0)	-2.51	6.20	3.69	10.0	-6.31
5210	42	ax (80MHz)	29.3/32.5 (MCS0)	-2.45	6.20	3.75	10.0	-6.25
5250	50	ac (160MHz)	58.5/65 (MCS0)	-5.22	6.20	0.98	10.0	-9.02
5250	50	ax (160MHz)	58.5/65 (MCS0)	-3.20	6.20	3.00	10.0	-7.00

Table 7-26. Band 1 e.i.r.p. Conducted Power Spectral Density Measurements SISO SOUTH (ISED)

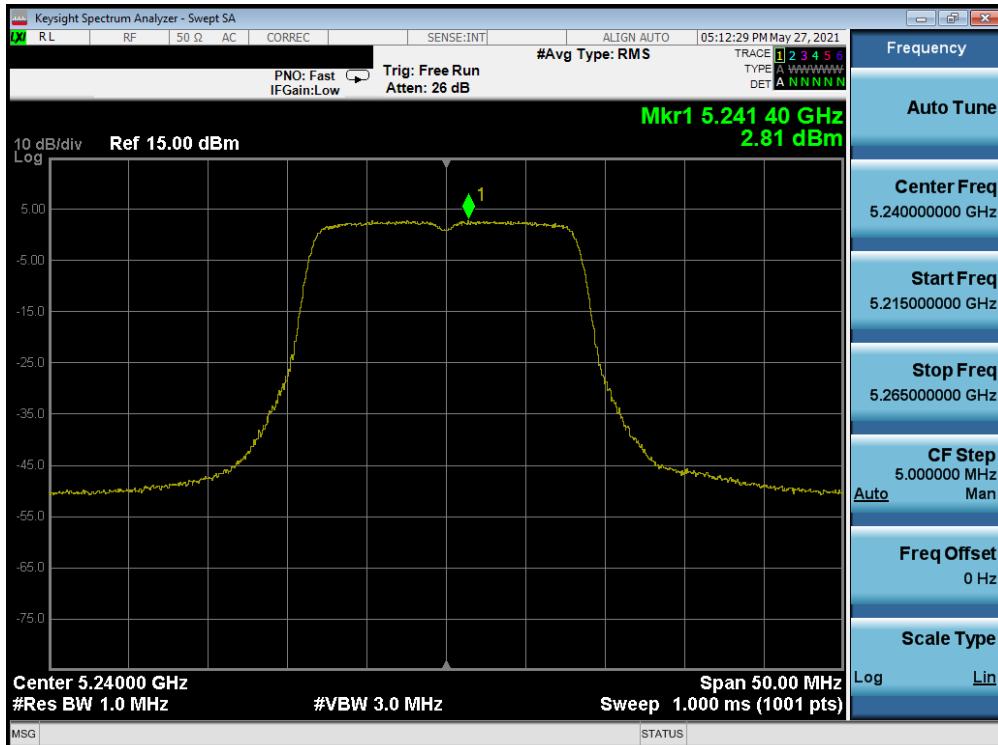


Plot 7-141. Power Spectral Density Plot SISO SOUTH (802.11a (UNII Band 1) – Ch. 36)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 102 of 336

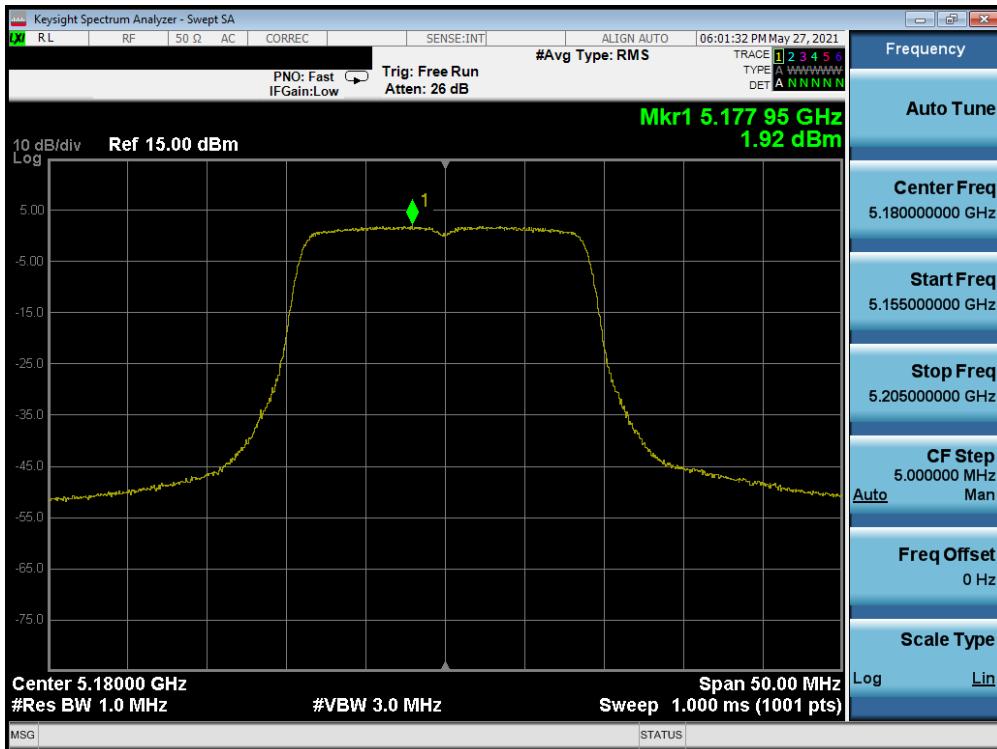


Plot 7-142. Power Spectral Density Plot SISO SOUTH (802.11a (UNII Band 1) – Ch. 40)

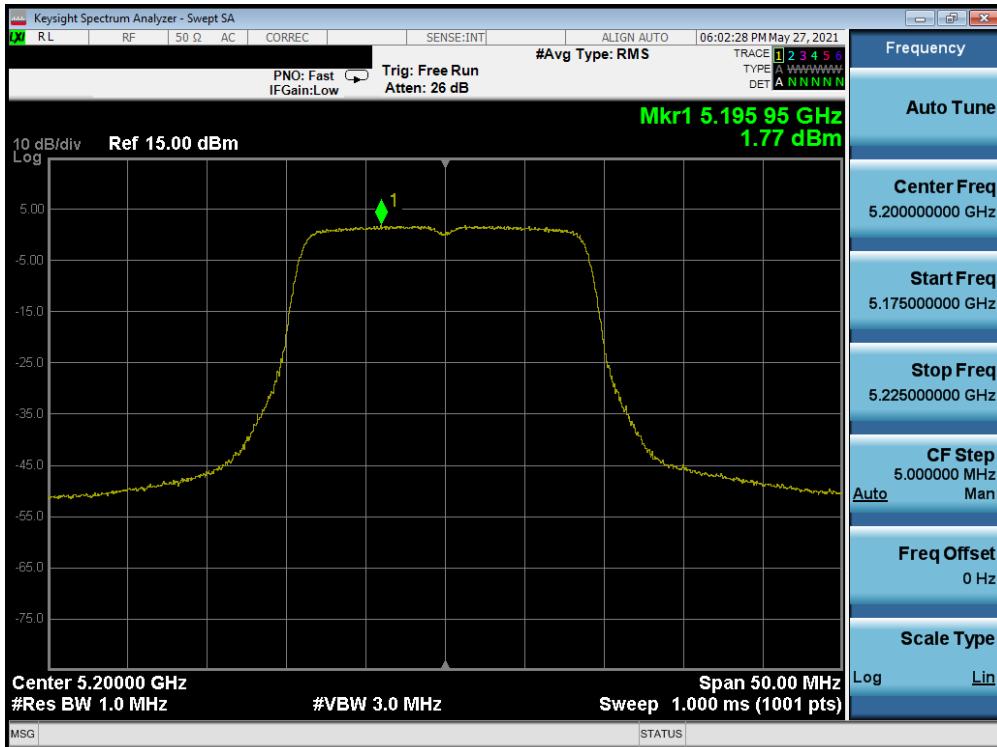


Plot 7-143. Power Spectral Density Plot SISO SOUTH (802.11a (UNII Band 1) – Ch. 48)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 103 of 336

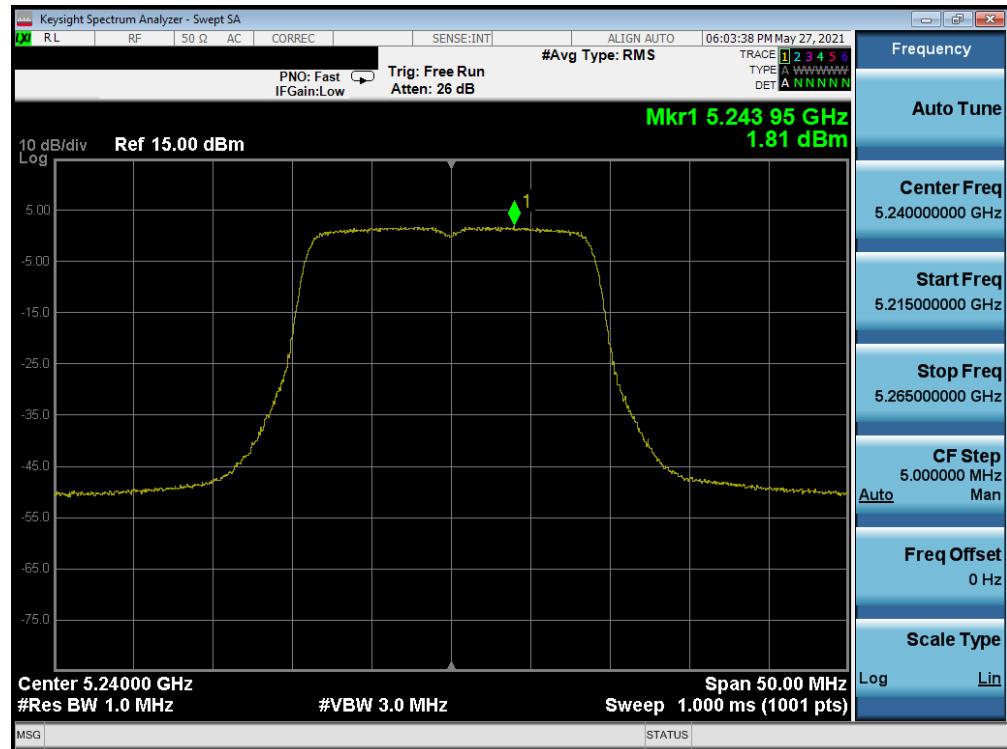


Plot 7-144. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11n (UNII Band 1) – Ch. 36)

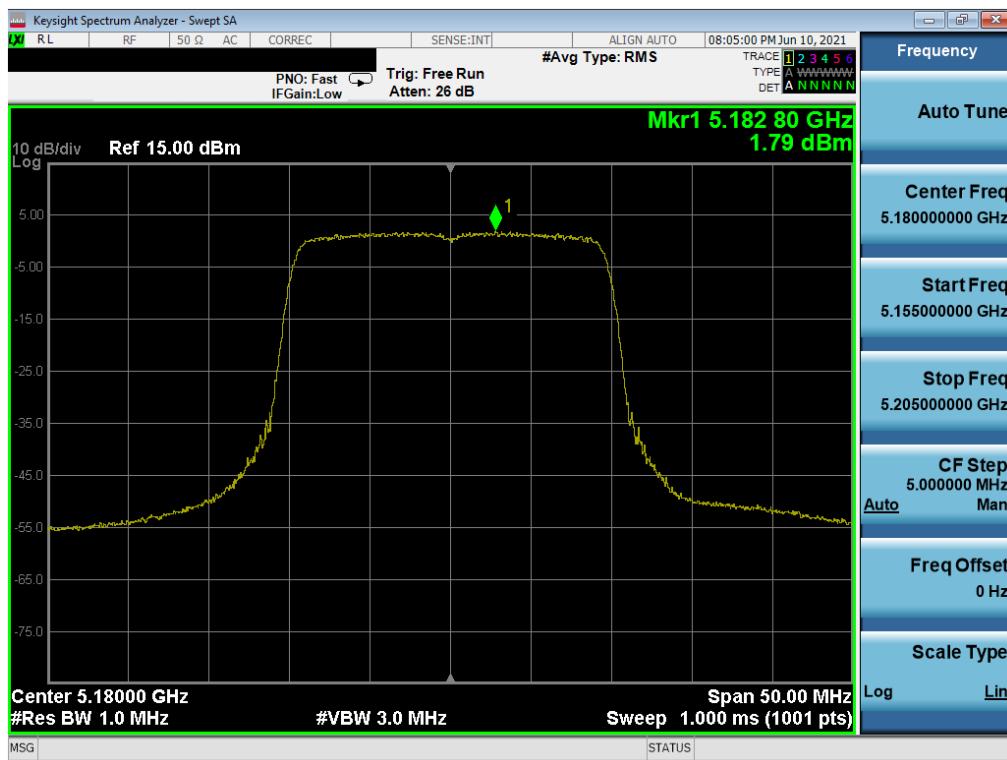


Plot 7-145. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11n (UNII Band 1) – Ch. 40)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 104 of 336

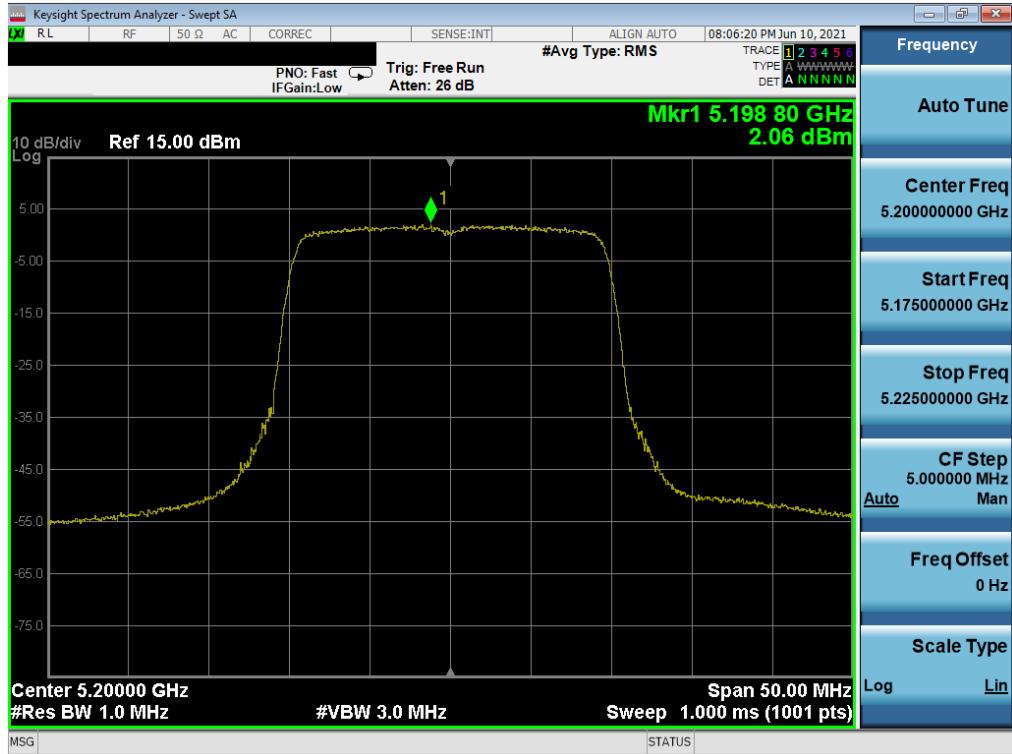


Plot 7-146. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11n (UNII Band 1) – Ch. 48)

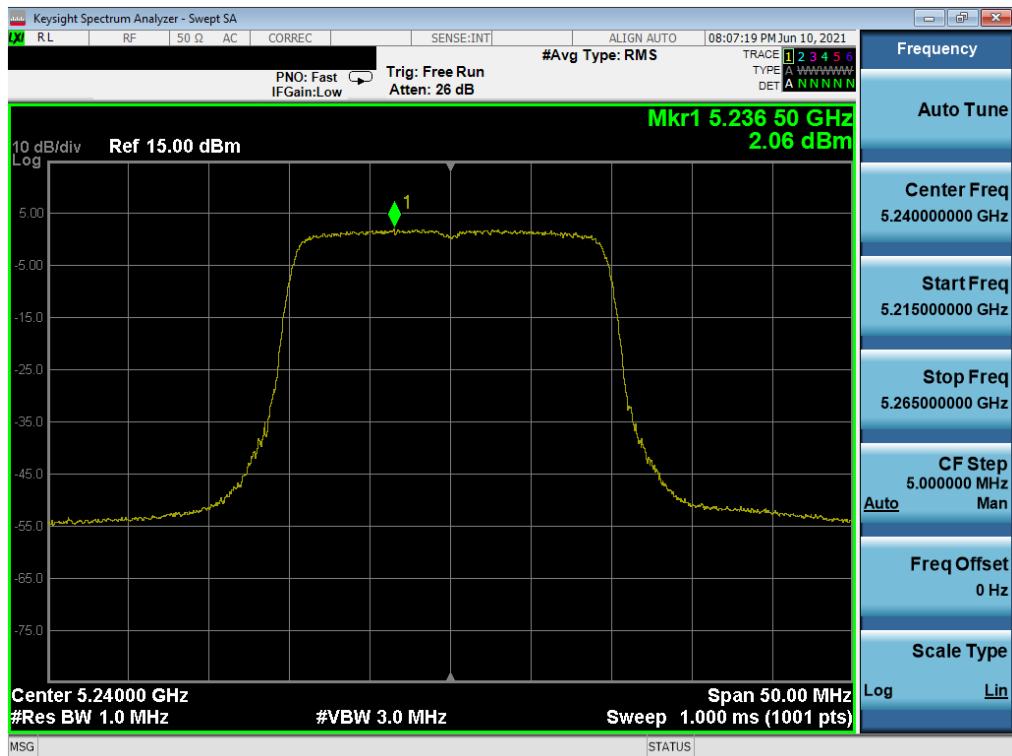


Plot 7-147. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax (UNII Band 1) – Ch. 36)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 105 of 336

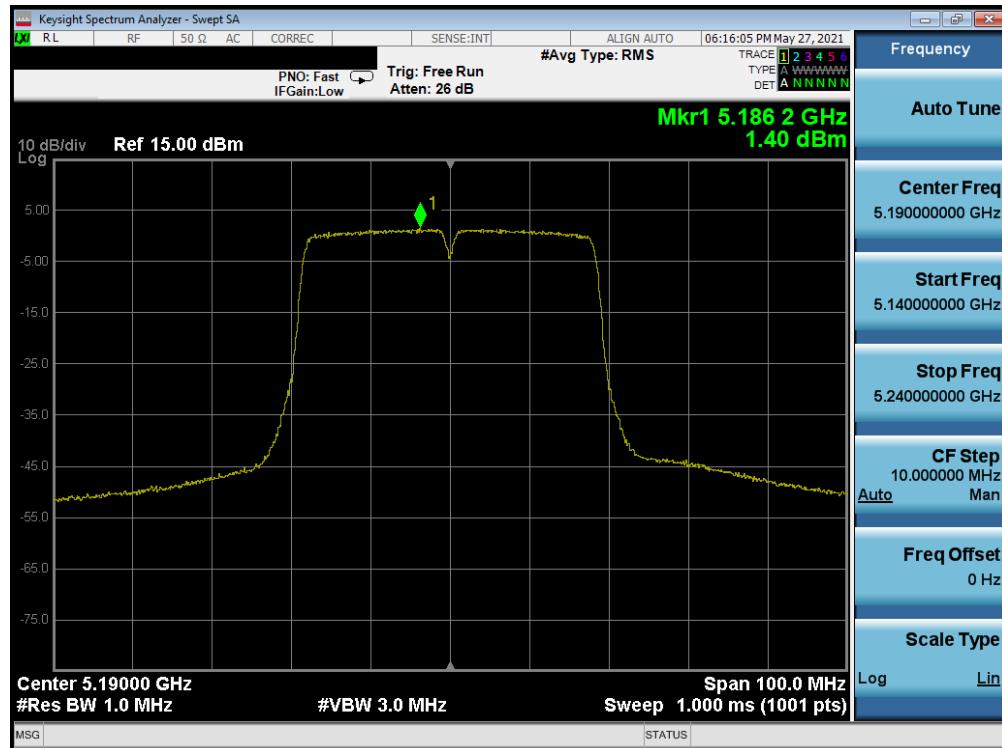


Plot 7-148. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax (UNII Band 1) – Ch. 40)

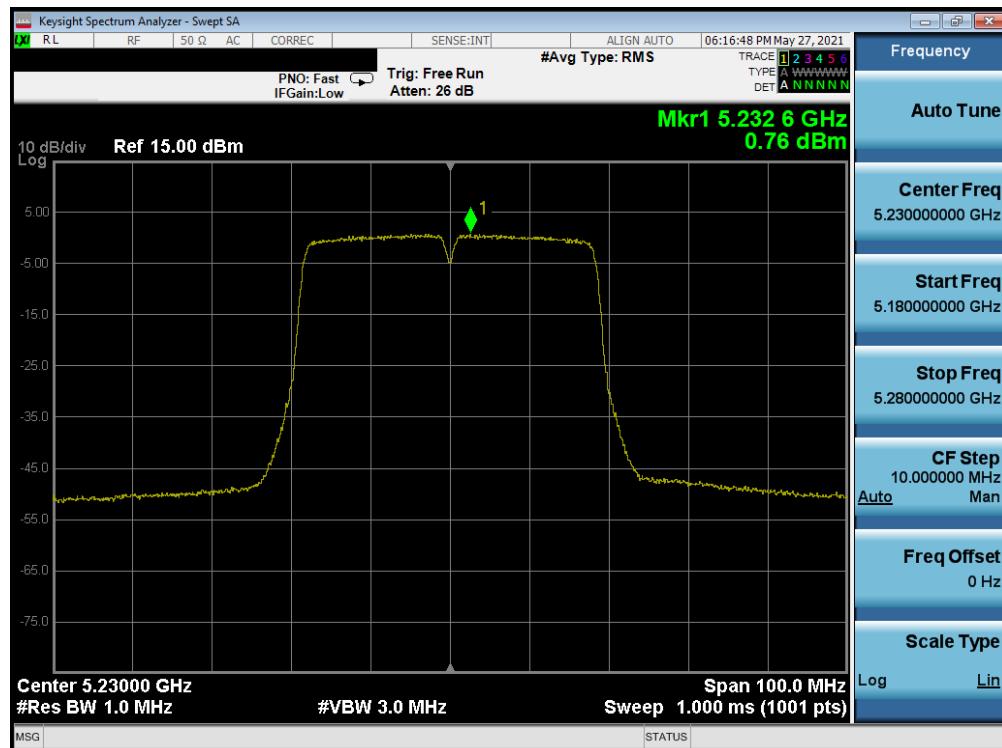


Plot 7-149. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax (UNII Band 1) – Ch. 48)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 106 of 336



Plot 7-150. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11n (UNII Band 1) – Ch. 38)

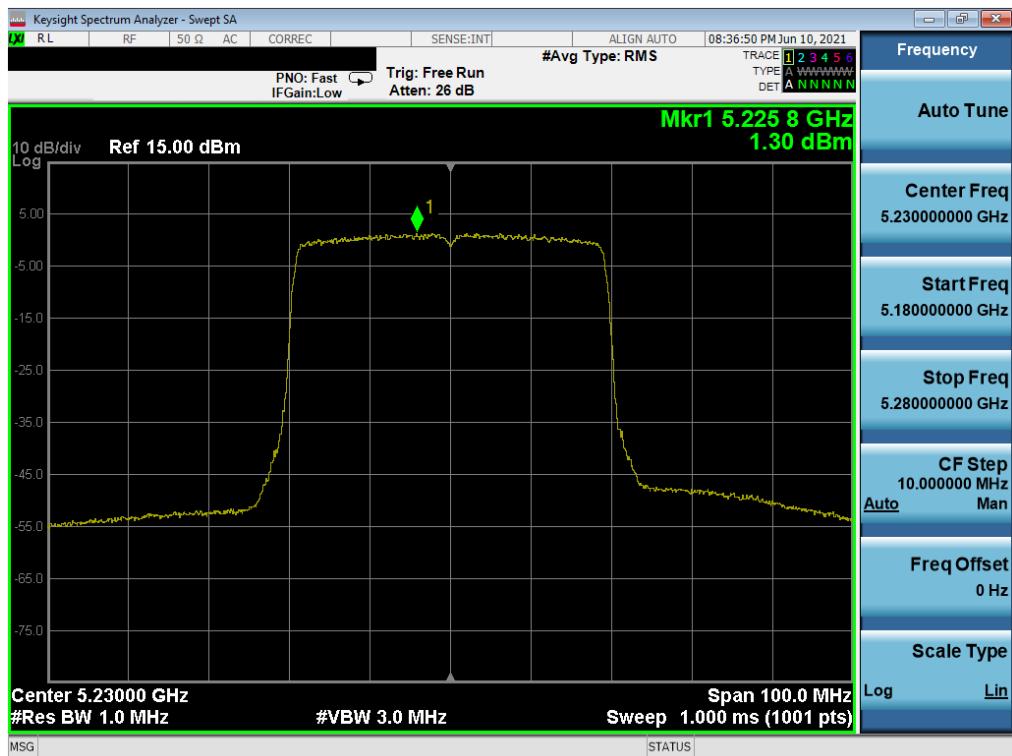


Plot 7-151. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11n (UNII Band 1) – Ch. 46)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 107 of 336

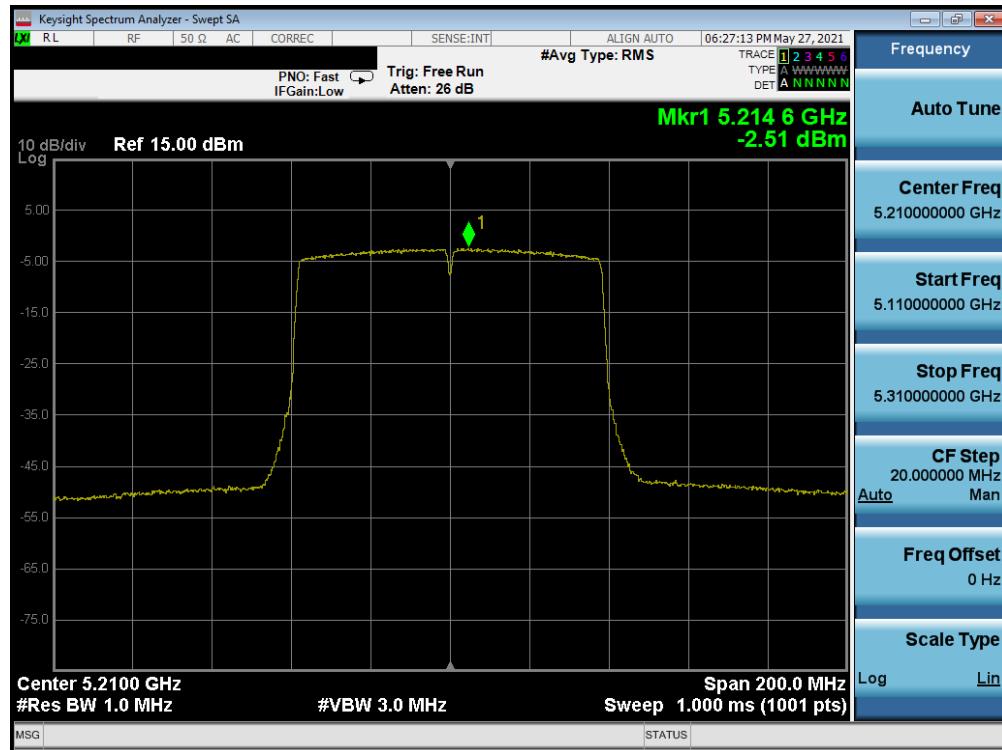


Plot 7-152. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11ax (UNII Band 1) – Ch. 38)

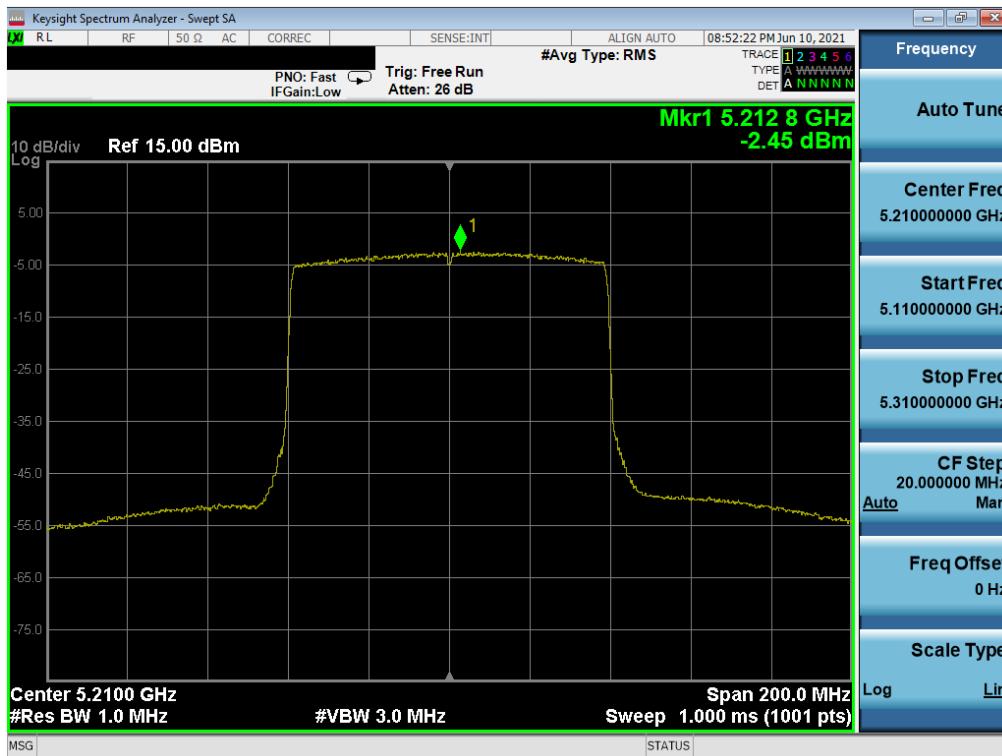


Plot 7-153. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11ax (UNII Band 1) – Ch. 46)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 108 of 336

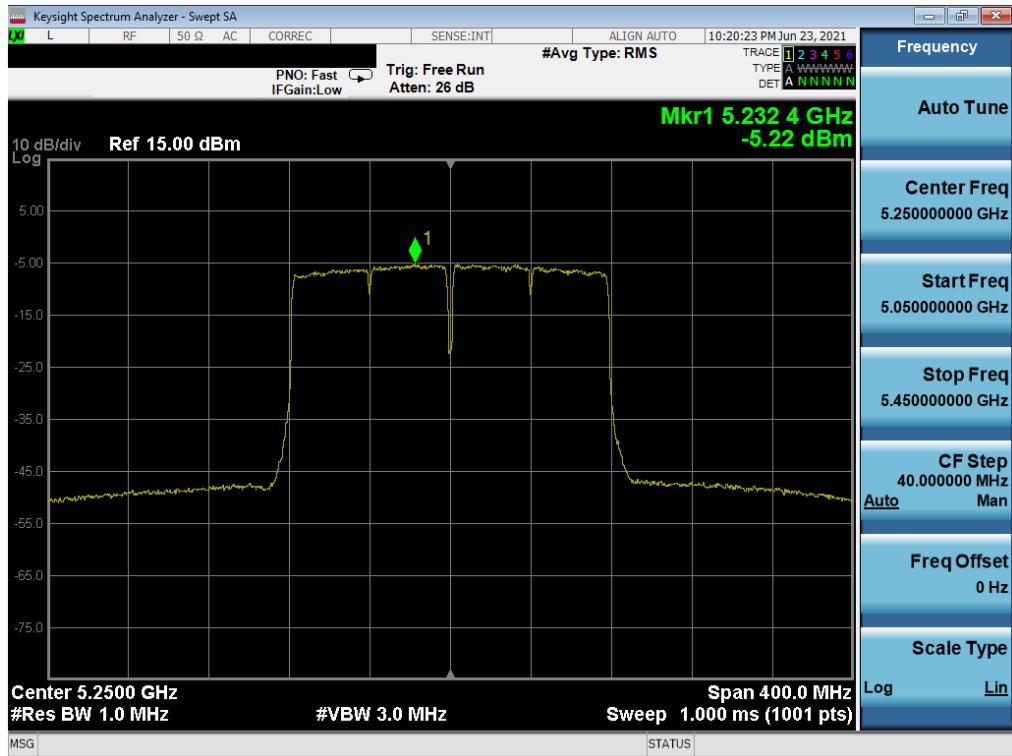


Plot 7-154. Power Spectral Density Plot SISO SOUTH (80MHz BW 802.11ac (UNII Band 1) – Ch. 42)

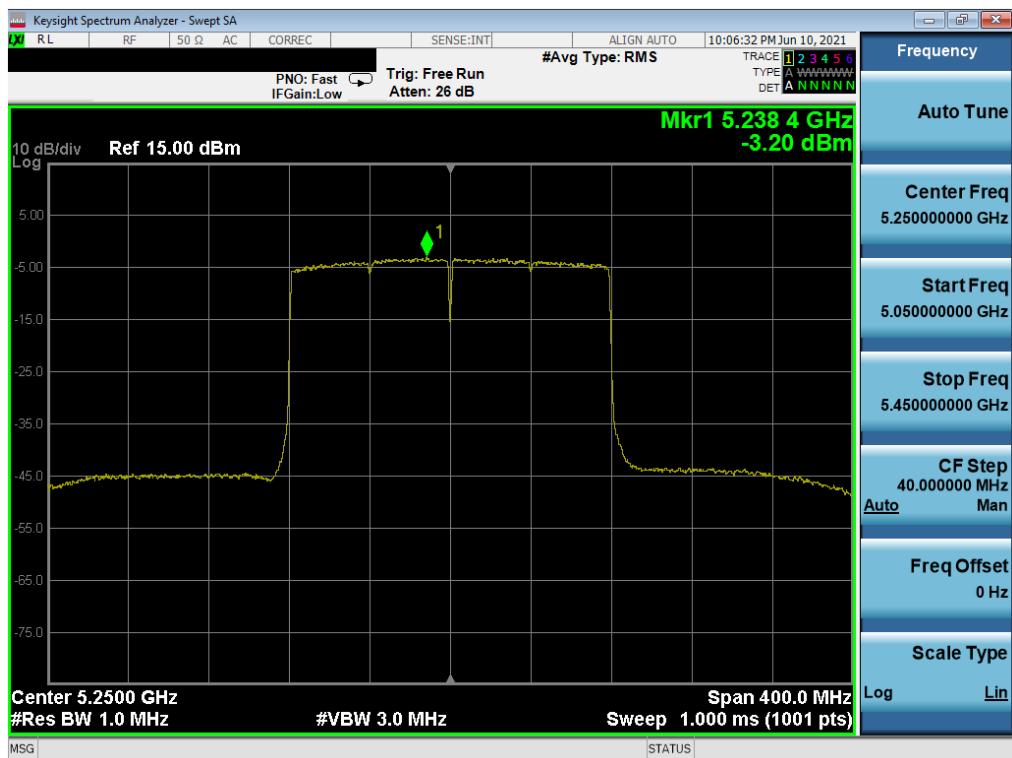


Plot 7-155. Power Spectral Density Plot SISO SOUTH (80MHz BW 802.11ax (UNII Band 1) – Ch. 42)

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 109 of 336

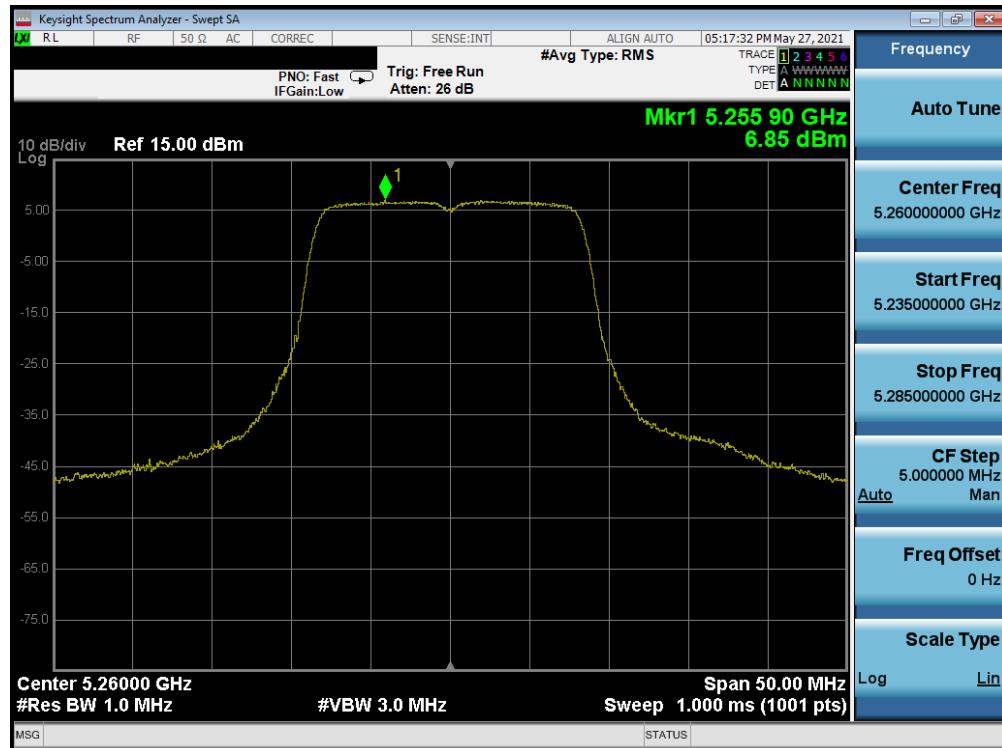


Plot 7-156. Power Spectral Density Plot SISO SOUTH (160MHz BW 802.11ac (UNII Band 1/2A) – Ch. 50)

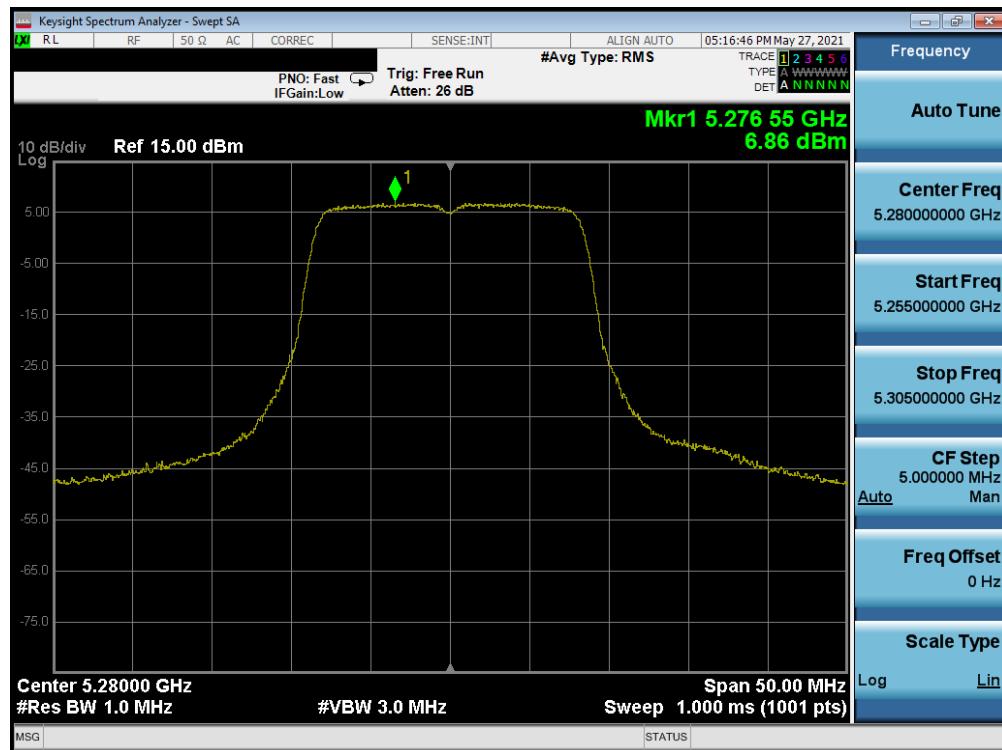


Plot 7-157. Power Spectral Density Plot SISO SOUTH (160MHz BW 802.11ax (UNII Band 1/2A) – Ch. 50)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 110 of 336

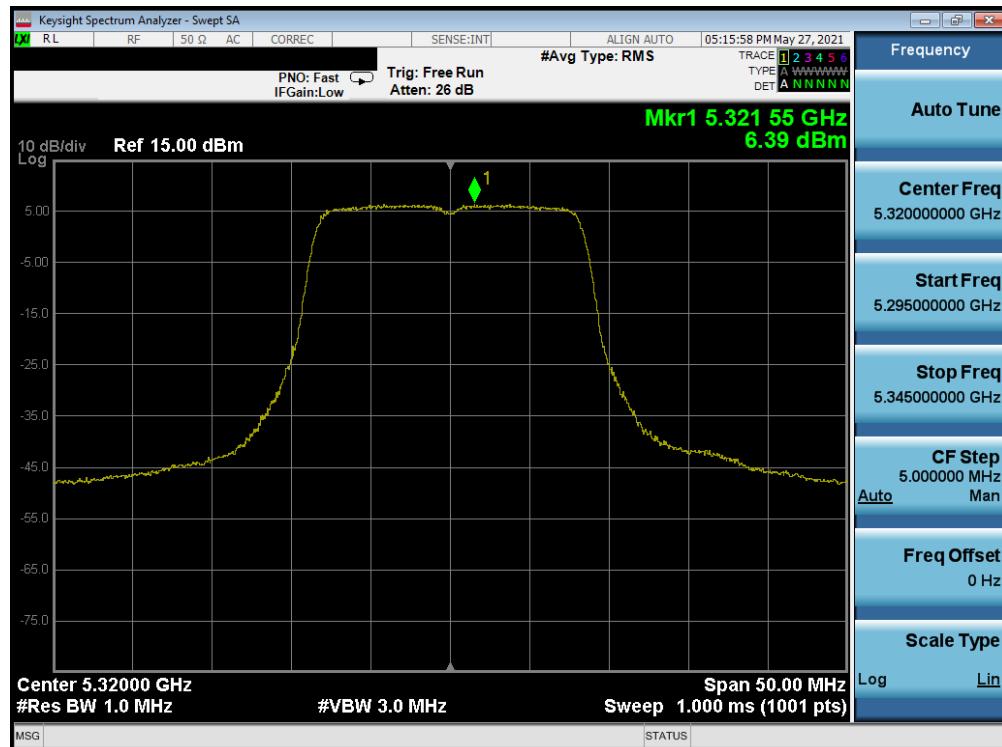


Plot 7-158. Power Spectral Density Plot SISO SOUTH (802.11a (UNII Band 2A) – Ch. 52)

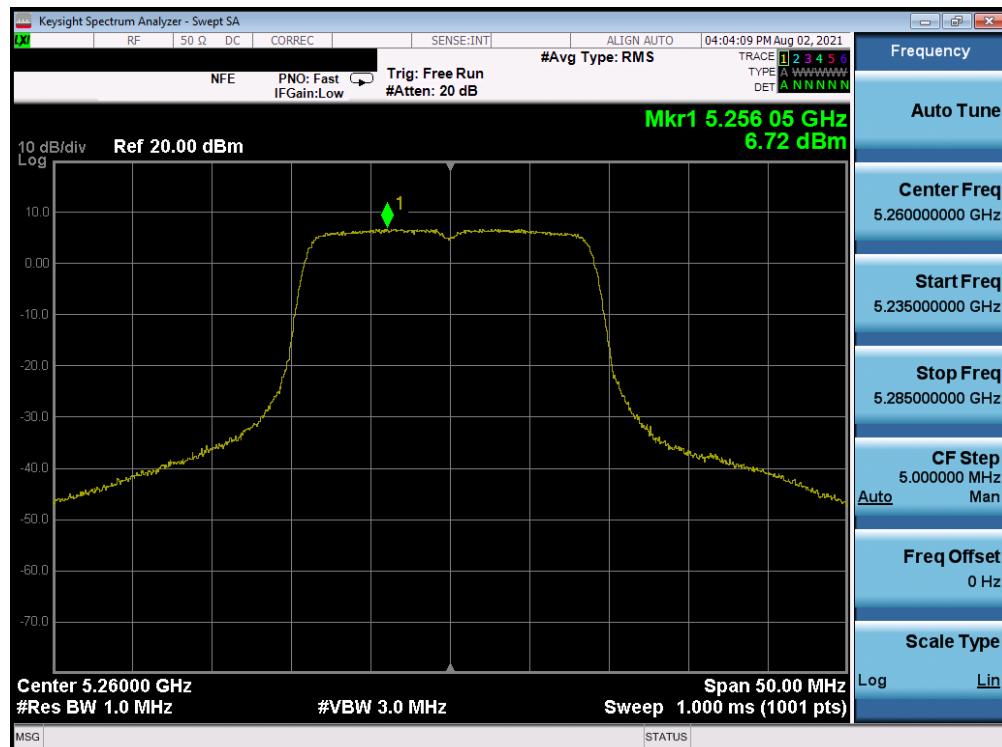


Plot 7-159. Power Spectral Density Plot SISO SOUTH (802.11a (UNII Band 2A) – Ch. 56)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 111 of 336

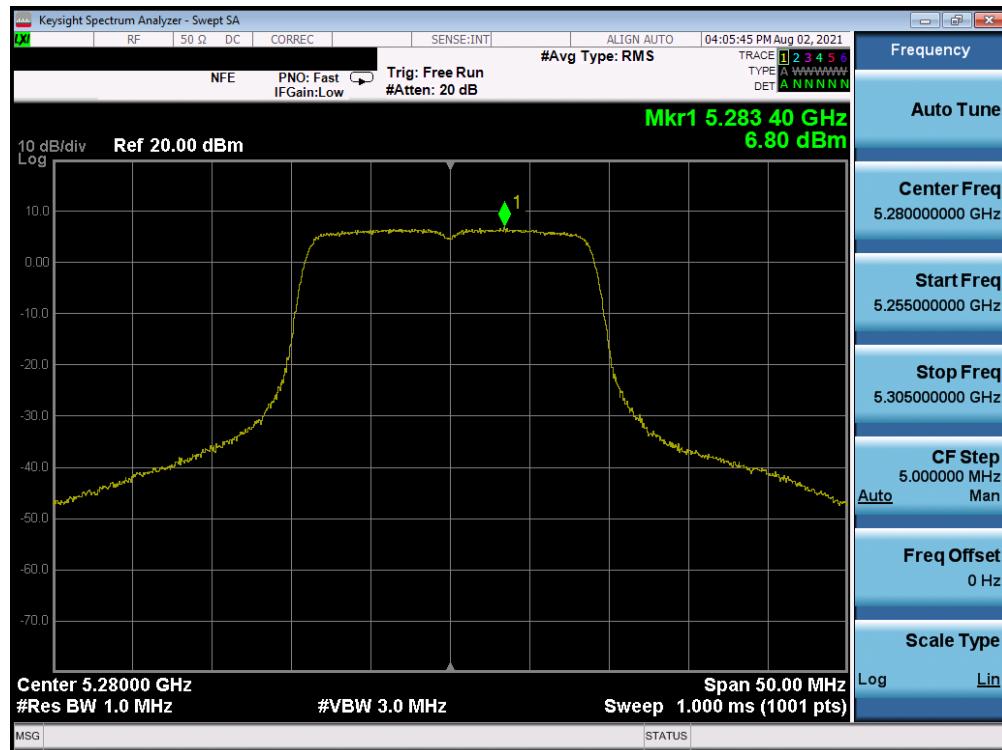


Plot 7-160. Power Spectral Density Plot SISO SOUTH (802.11a (UNII Band 2A) – Ch. 64)

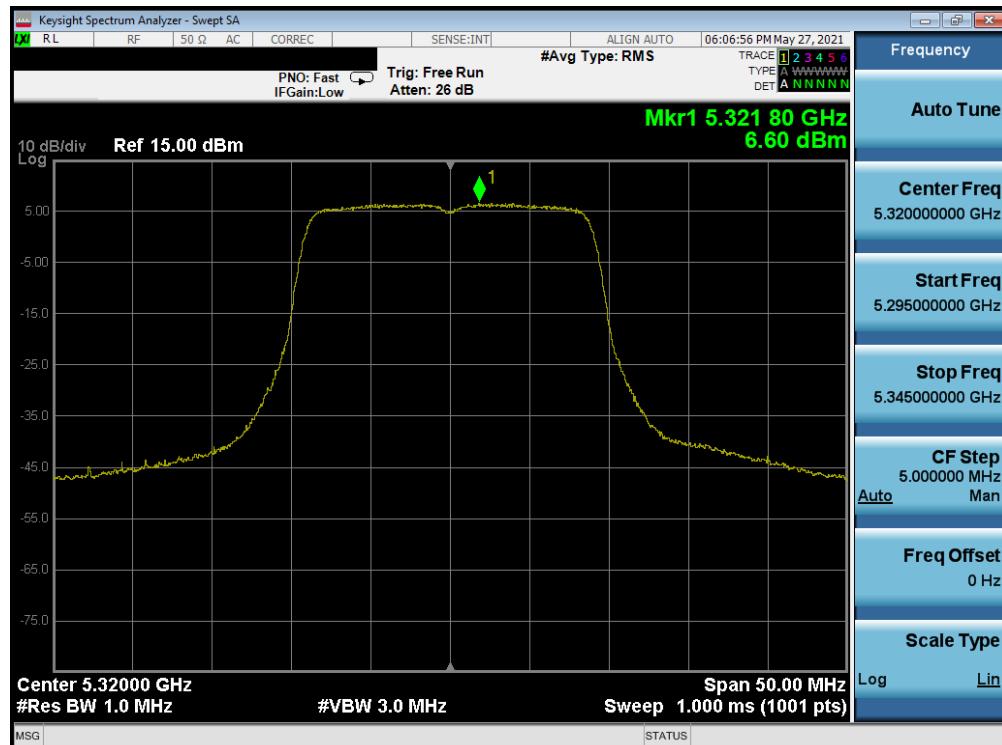


Plot 7-161. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11n (UNII Band 2A) – Ch. 52)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 112 of 336

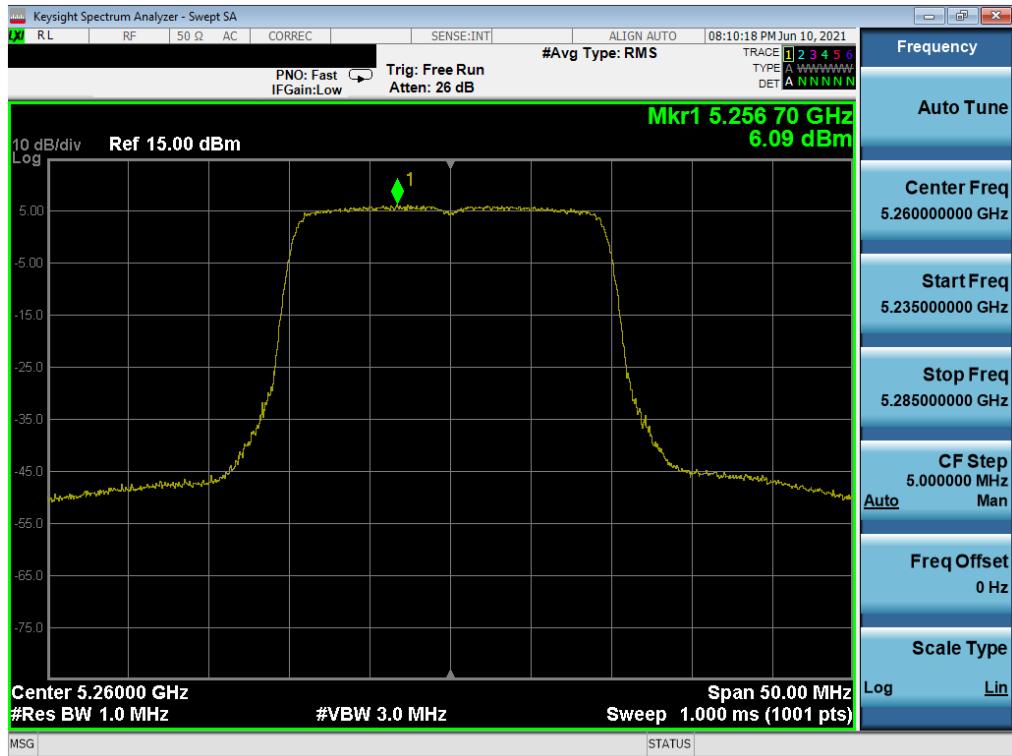


Plot 7-162. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11n (UNII Band 2A) – Ch. 56)

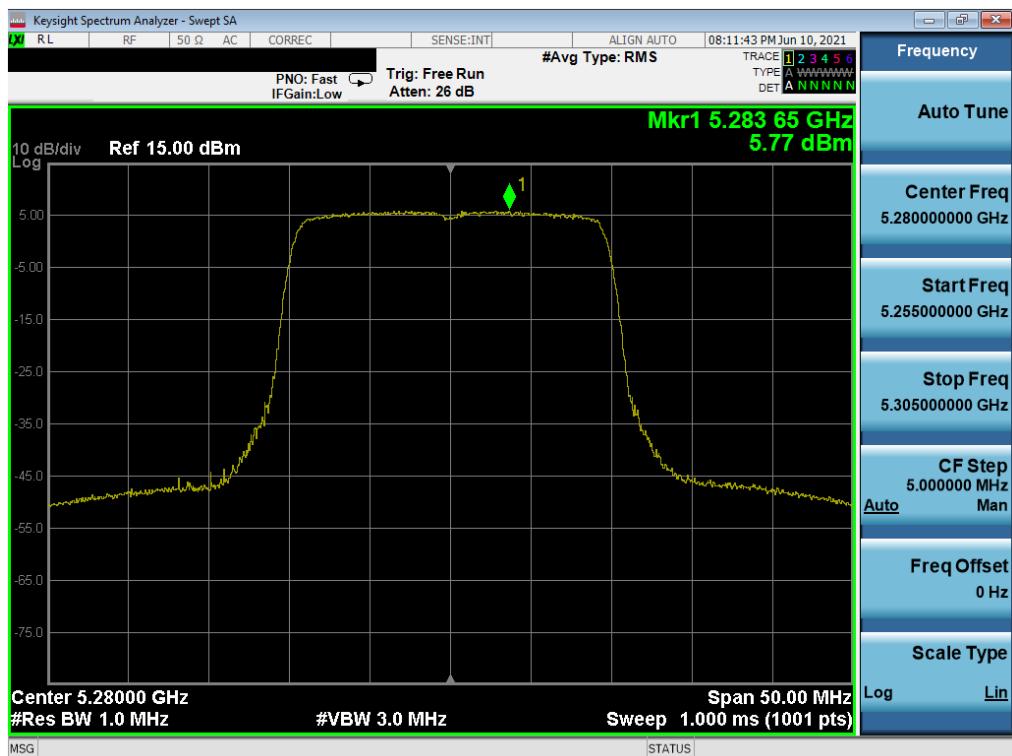


Plot 7-163. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11n (UNII Band 2A) – Ch. 64)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 113 of 336

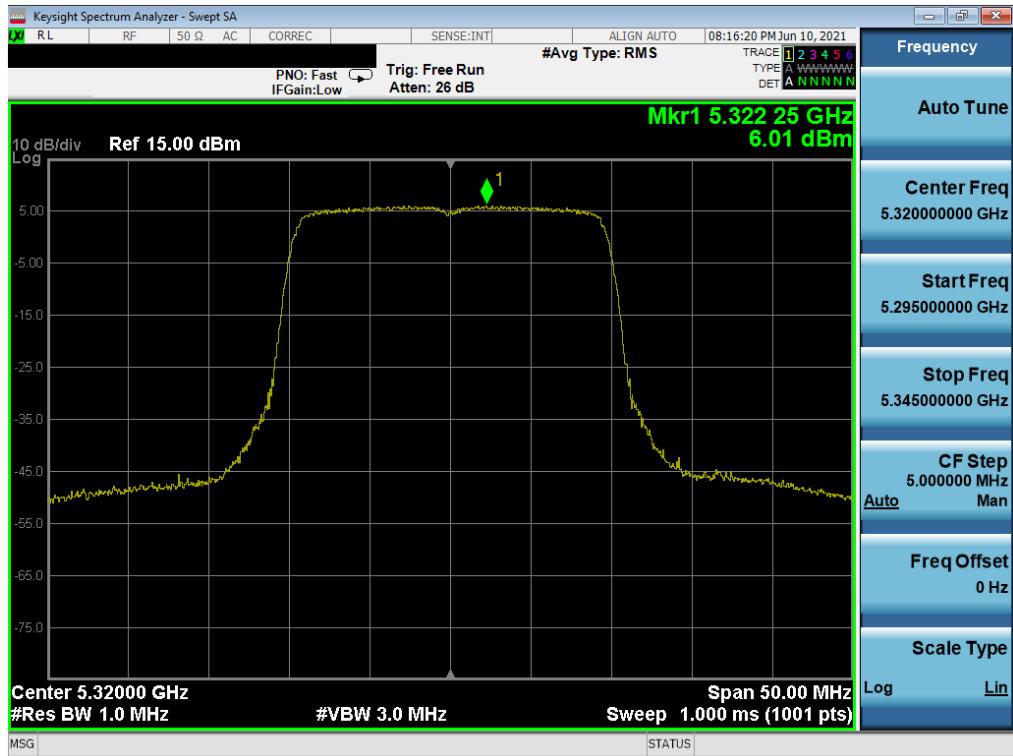


Plot 7-164. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax (UNII Band 2A) – Ch. 52)

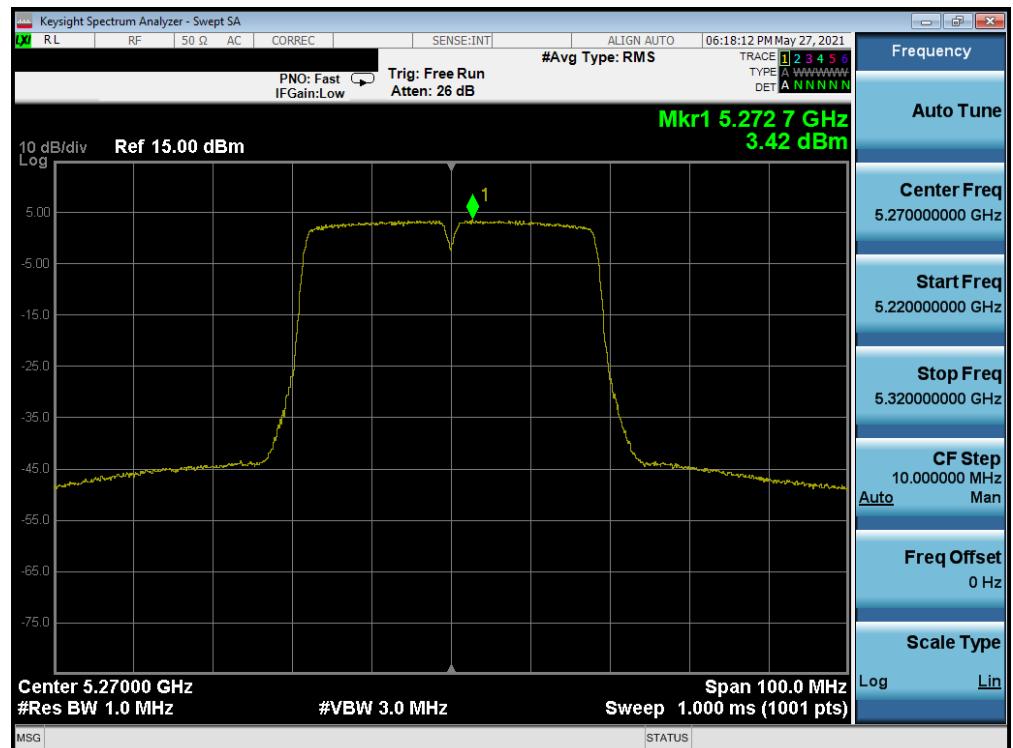


Plot 7-165. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax (UNII Band 2A) – Ch. 56)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 114 of 336

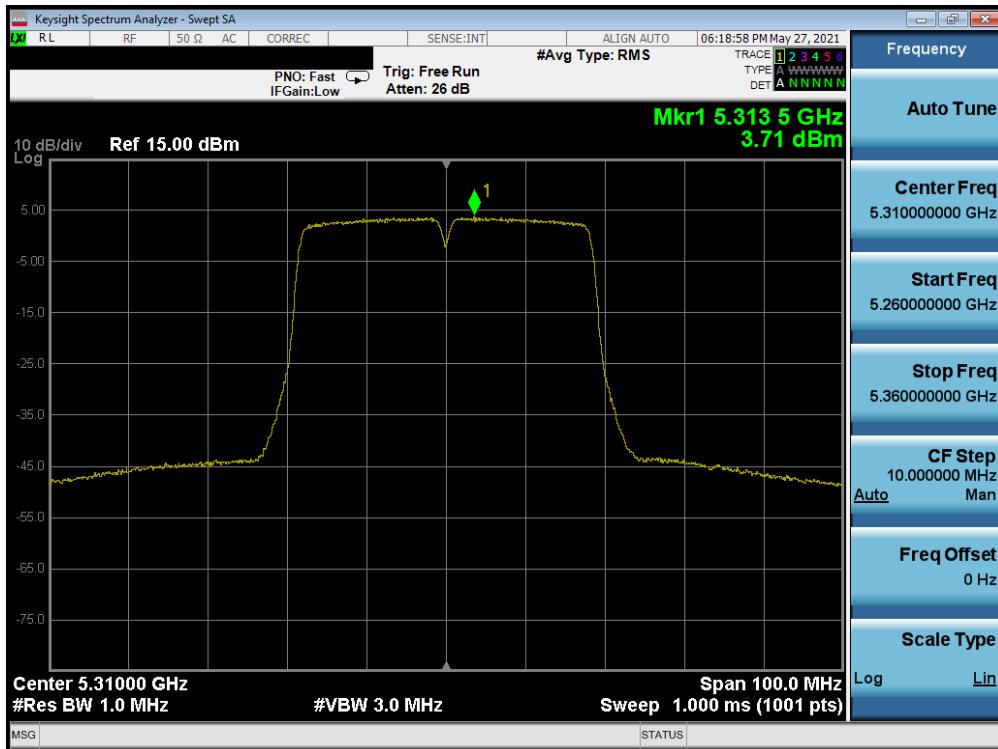


Plot 7-166. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax (UNII Band 2A) – Ch. 64)

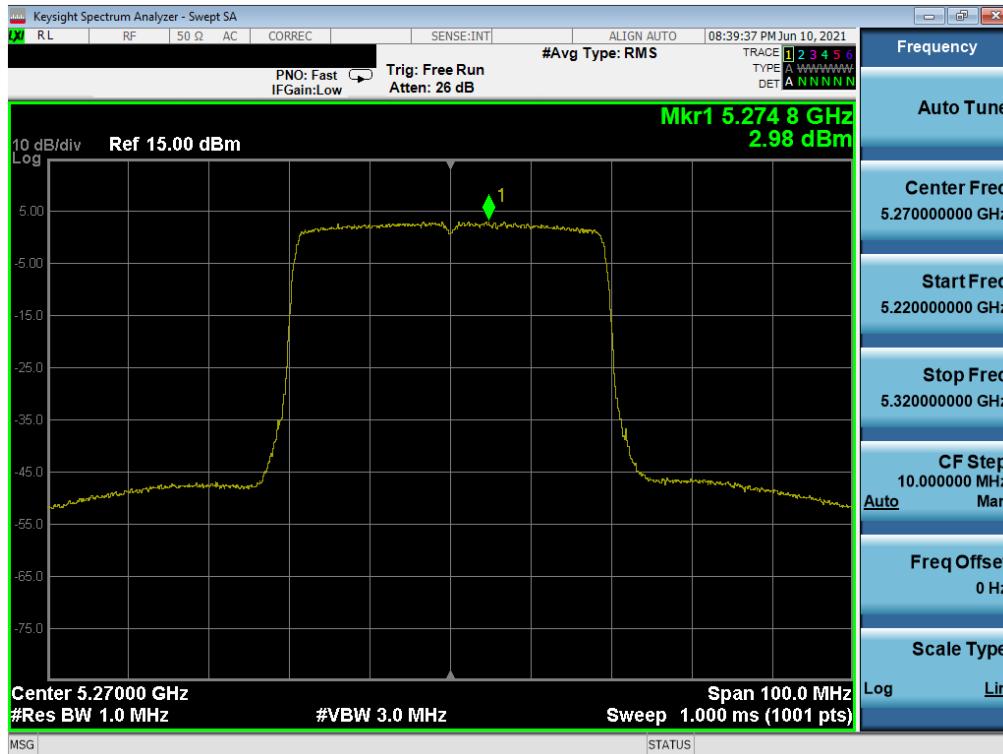


Plot 7-167. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11n (UNII Band 2A) – Ch. 54)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 115 of 336



Plot 7-168. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11n (UNII Band 2A) – Ch. 62)

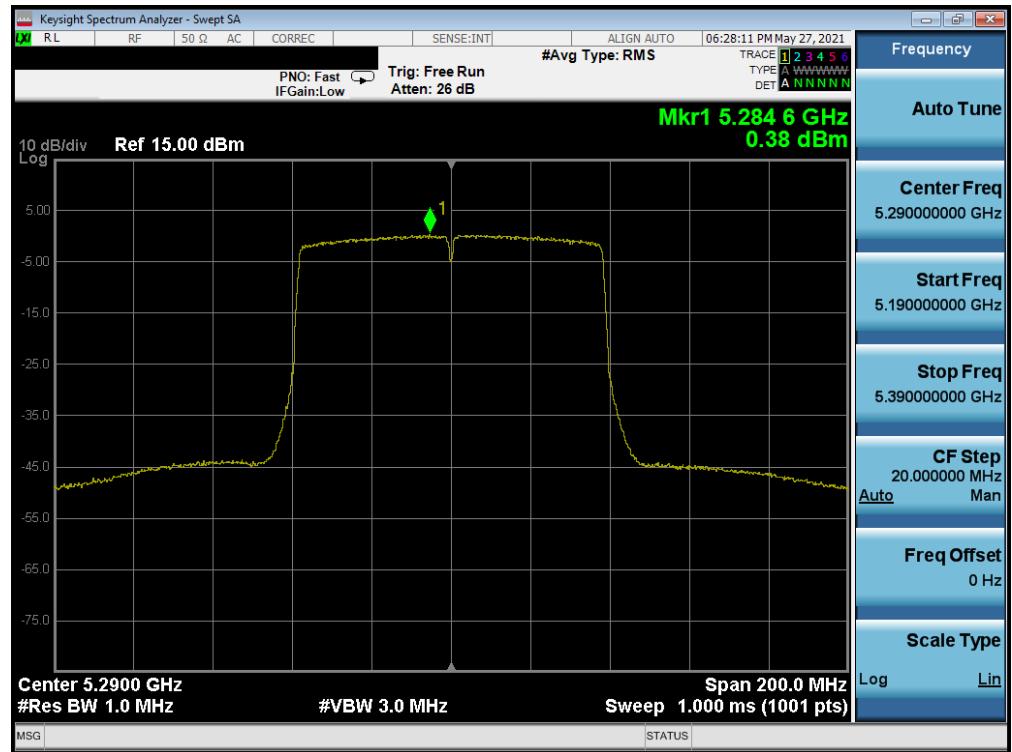


Plot 7-169. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11ax (UNII Band 2A) – Ch. 54)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 116 of 336



Plot 7-170. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11ax(UNII Band 2A) – Ch. 62)

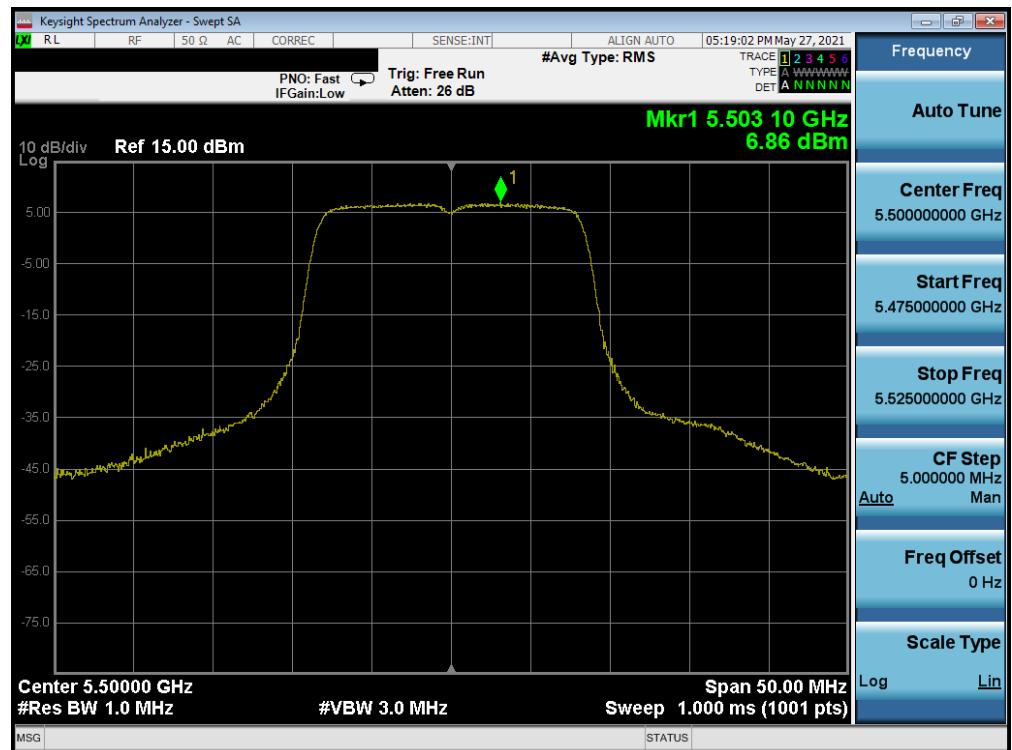


Plot 7-171. Power Spectral Density Plot SISO SOUTH (80MHz BW 802.11ac (UNII Band 2A) – Ch. 58)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 117 of 336

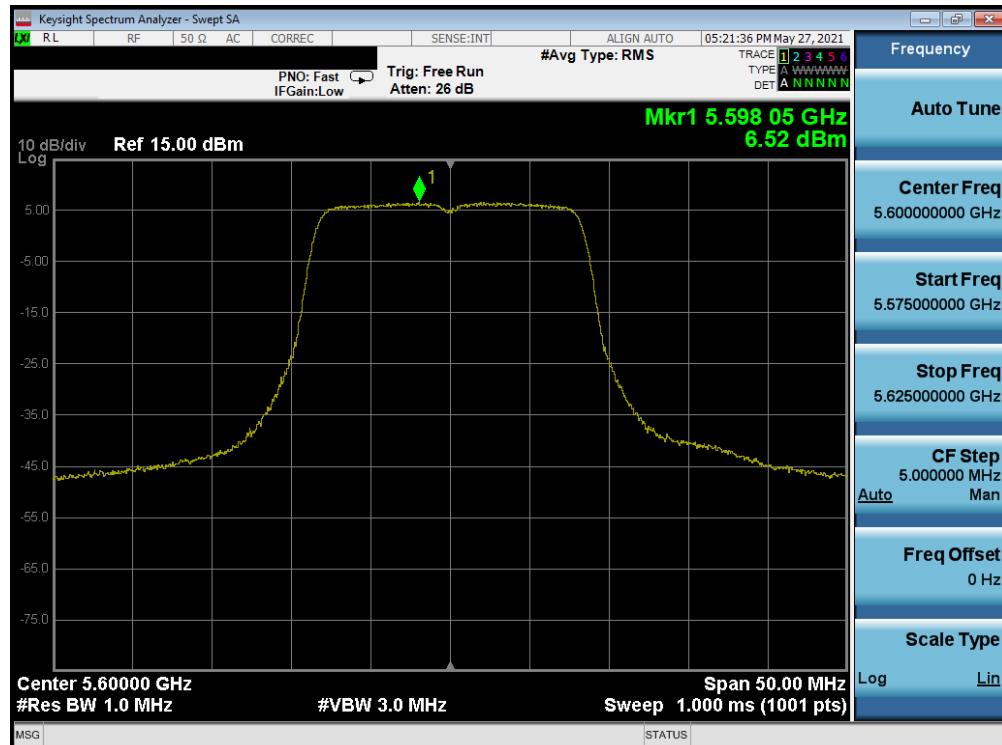


Plot 7-172. Power Spectral Density Plot SISO SOUTH (80MHz BW 802.11ax (UNII Band 2A) – Ch. 58)

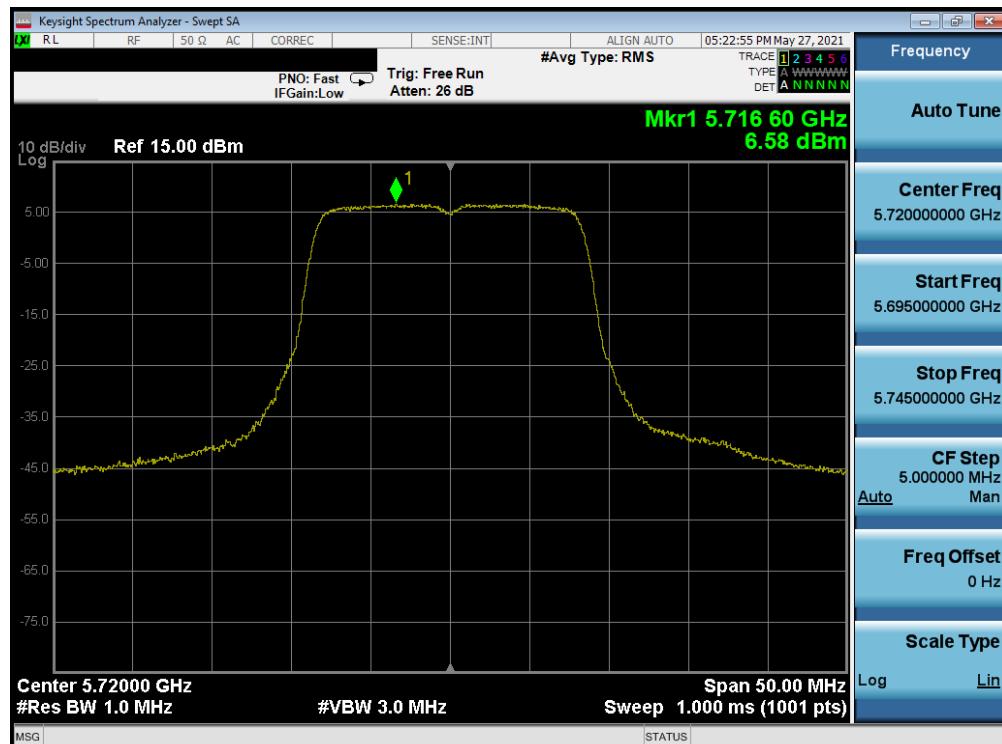


Plot 7-173. Power Spectral Density Plot SISO SOUTH (802.11a (UNII Band 2C) – Ch. 100)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 118 of 336

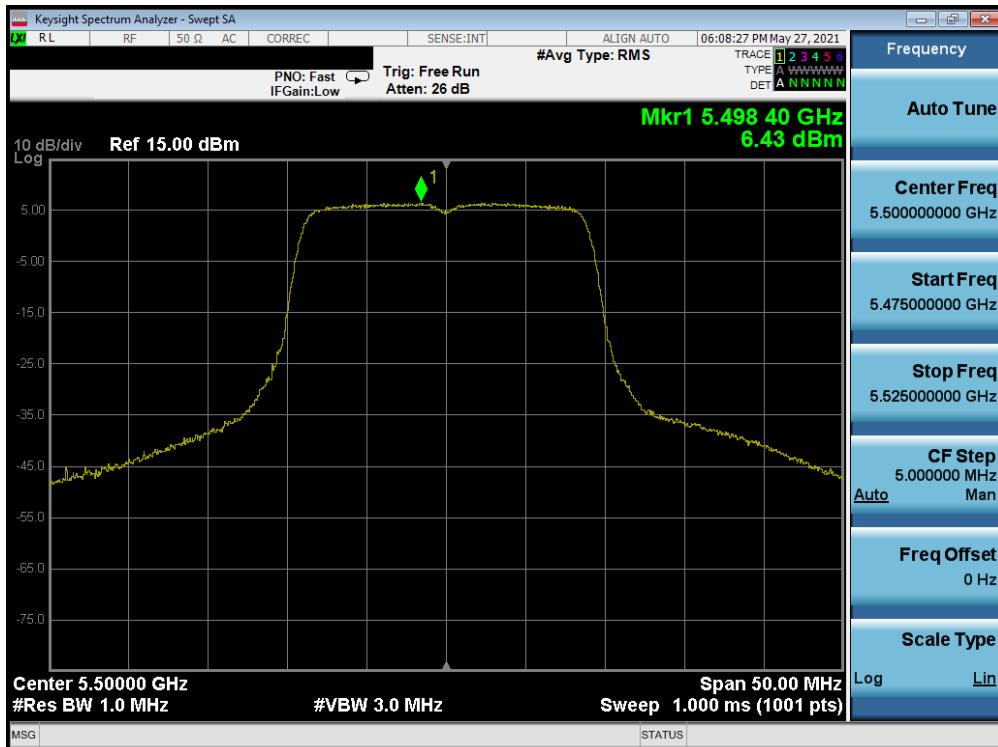


Plot 7-174. Power Spectral Density Plot SISO SOUTH (802.11a (UNII Band 2C) – Ch. 120)

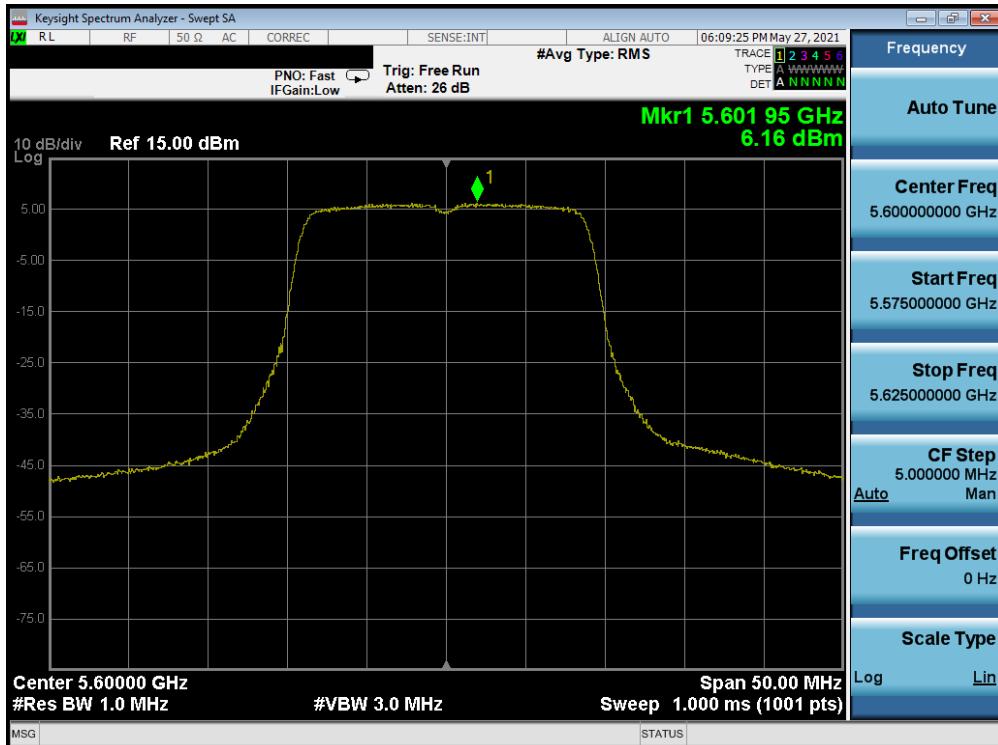


Plot 7-175. Power Spectral Density Plot SISO SOUTH (802.11a (UNII Band 2C) – Ch. 144)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 119 of 336

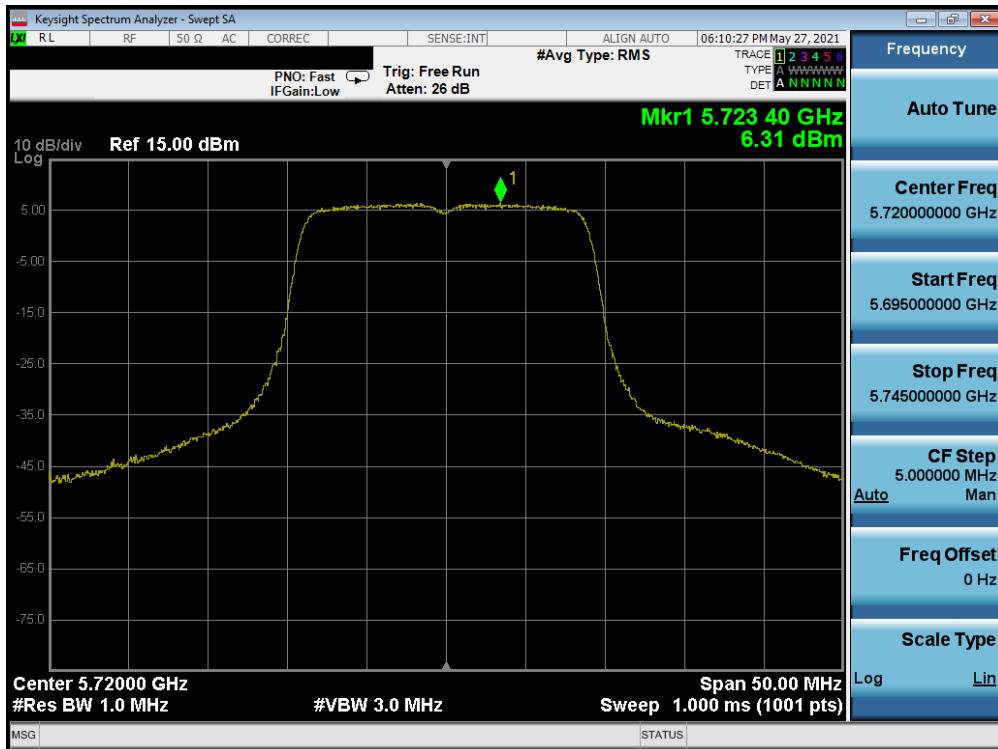


Plot 7-176. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11n (UNII Band 2C) – Ch. 100)

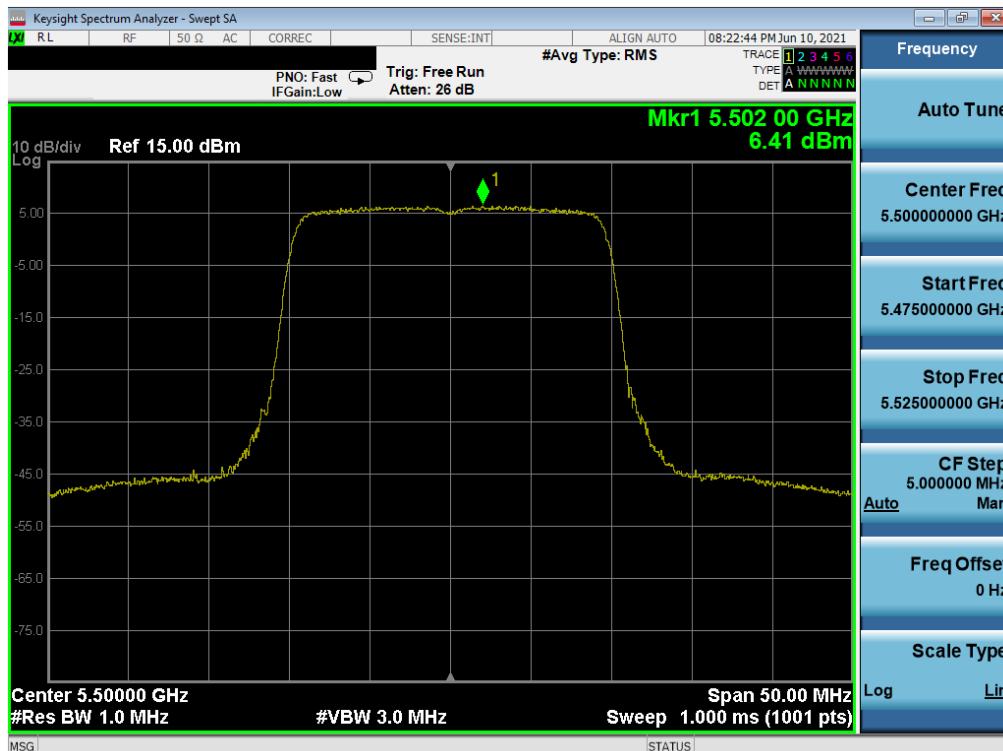


Plot 7-177. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11n (UNII Band 2C) – Ch. 120)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 120 of 336

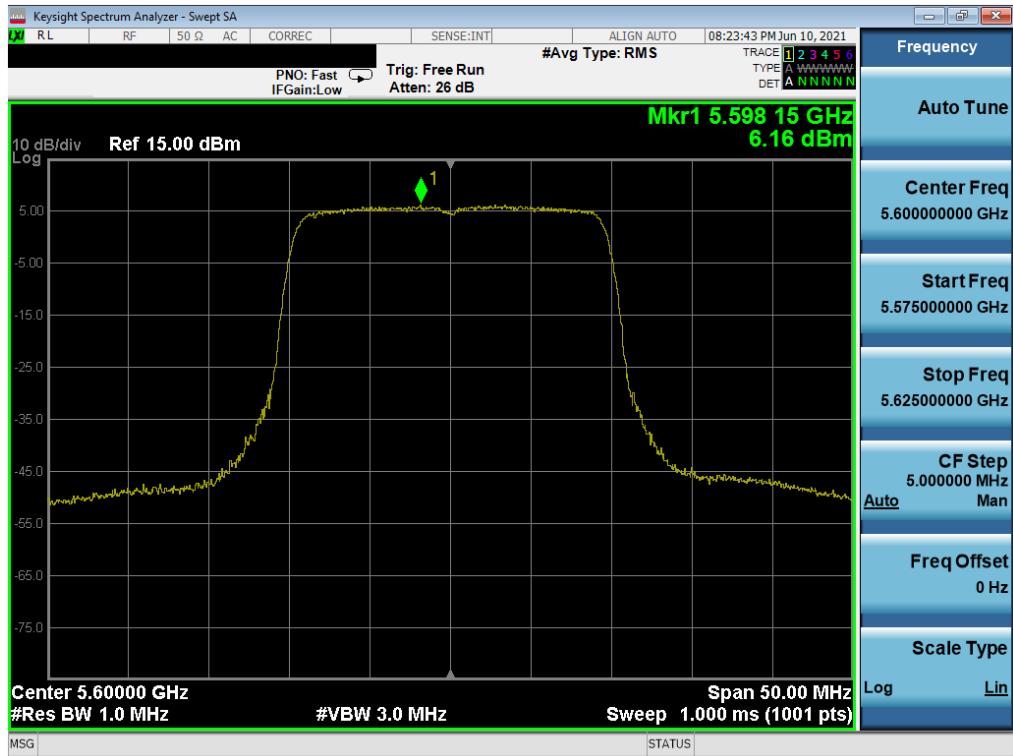


Plot 7-178. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11n (UNII Band 2C) – Ch. 144)

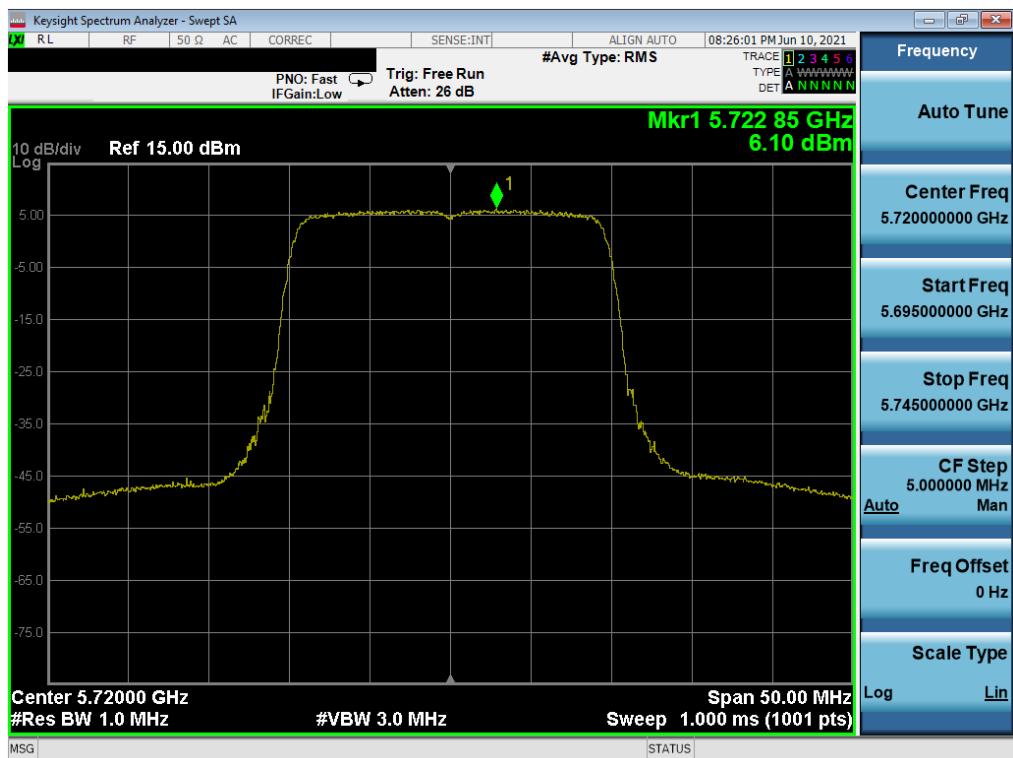


Plot 7-179. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax (UNII Band 2C) – Ch. 100)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 121 of 336

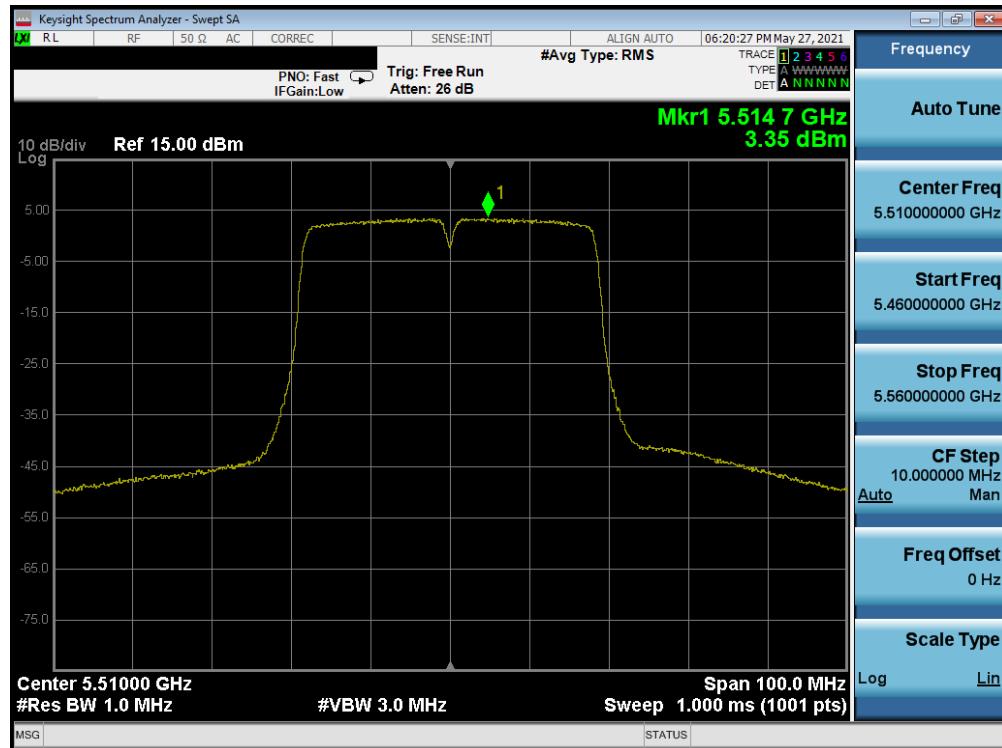


Plot 7-180. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax (UNII Band 2C) – Ch. 120)

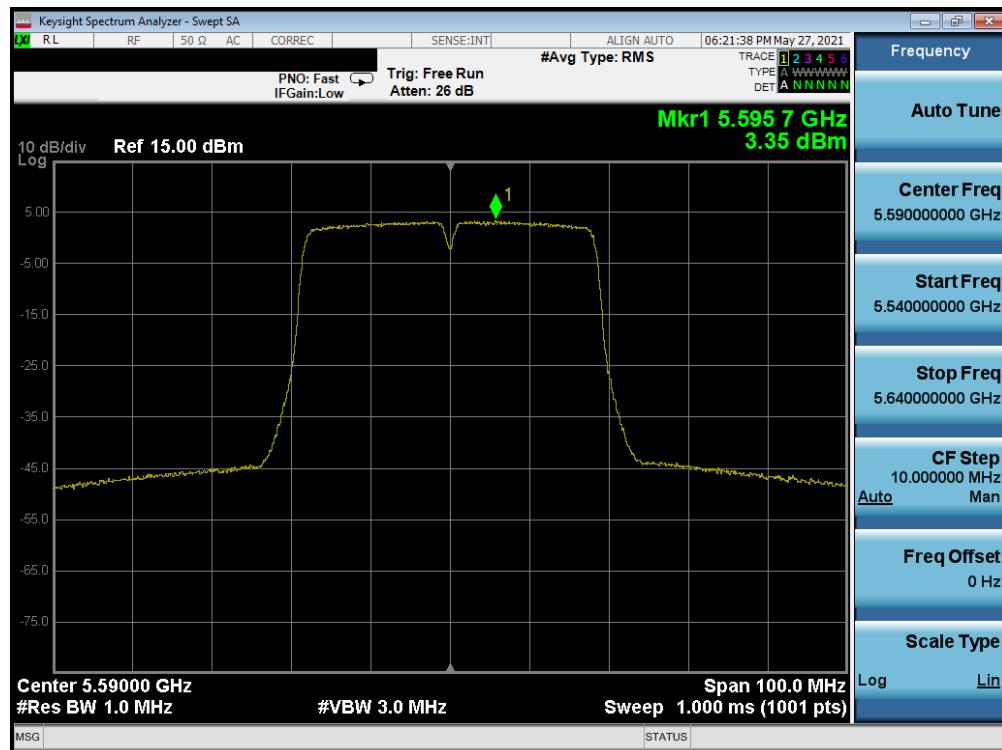


Plot 7-181. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax (UNII Band 2C) – Ch. 144)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 122 of 336

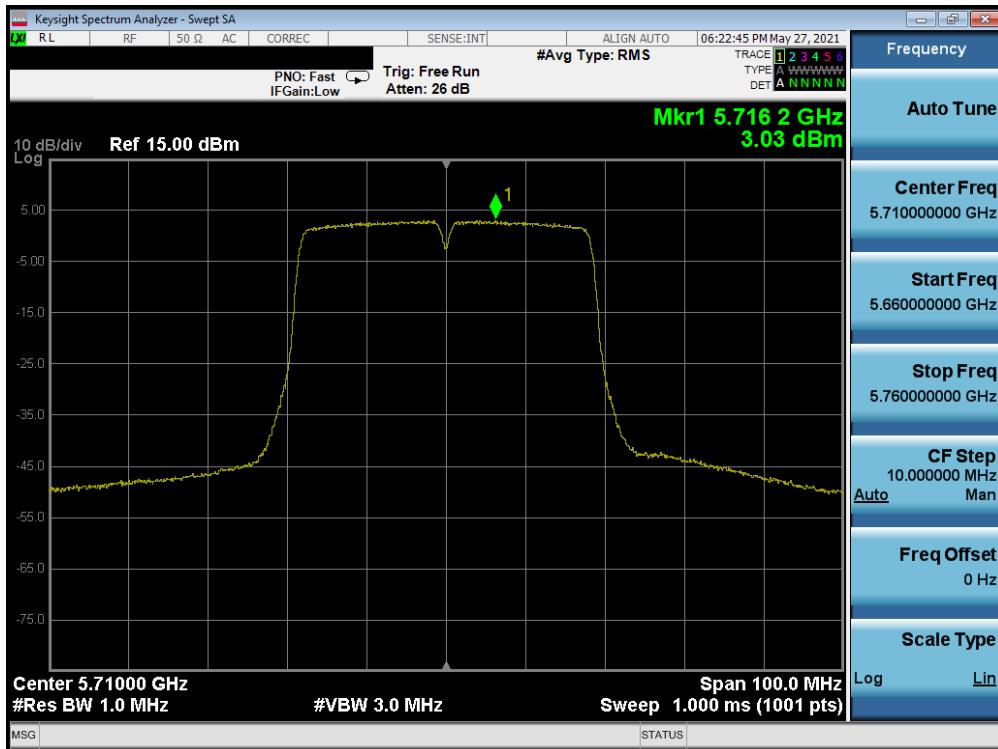


Plot 7-182. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11n (UNII Band 2C) – Ch. 102)

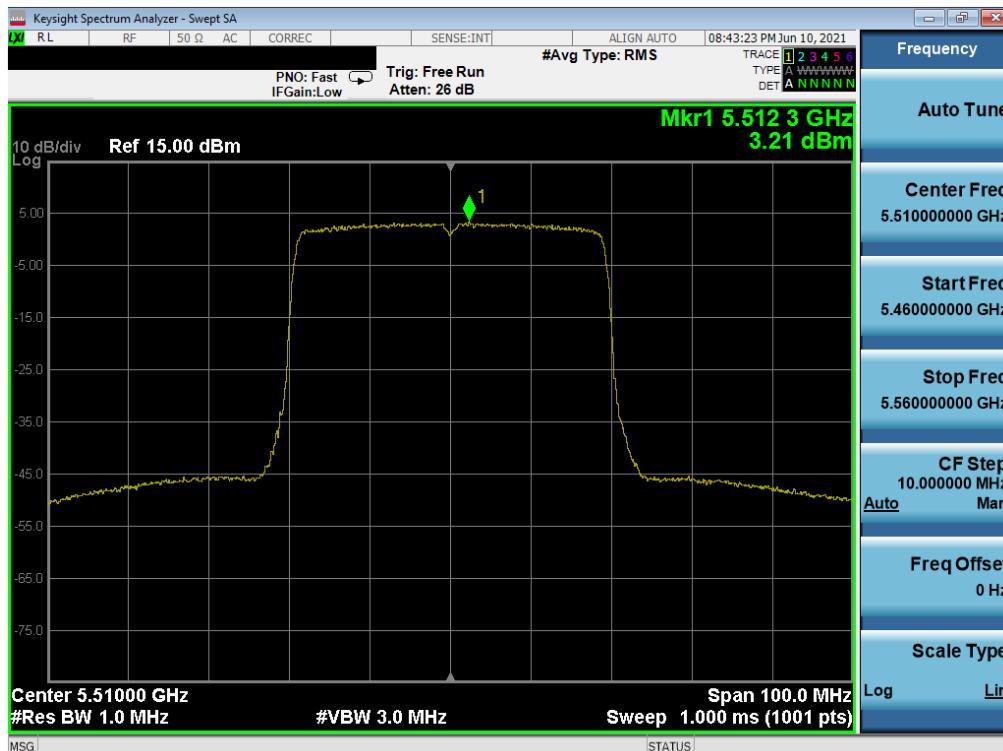


Plot 7-183. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11n (UNII Band 2C) – Ch. 118)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 123 of 336



Plot 7-184. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11n (UNII Band 2C) – Ch. 142)

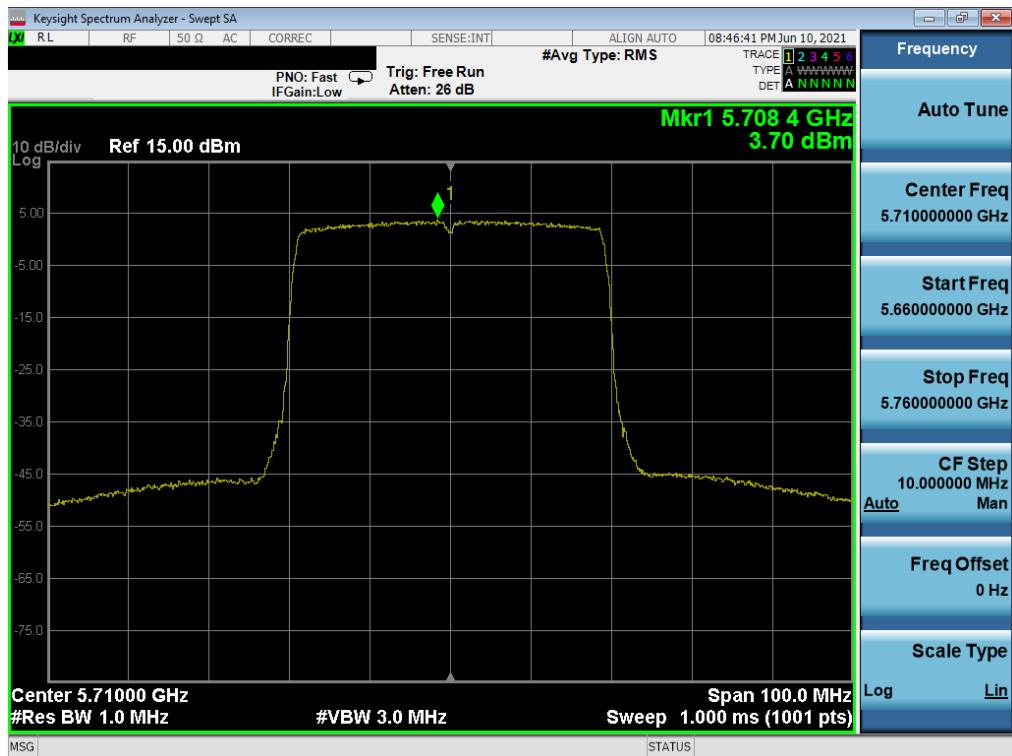


Plot 7-185. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11ax (UNII Band 2C) – Ch. 102)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 124 of 336

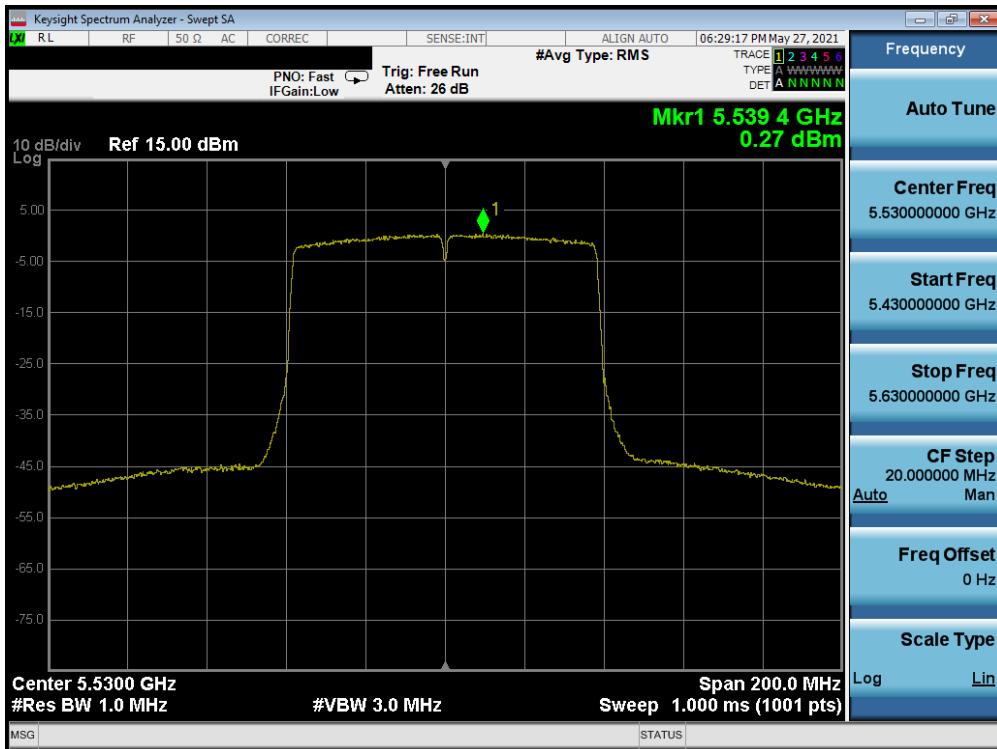


Plot 7-186. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11ax (UNII Band 2C) – Ch. 118)

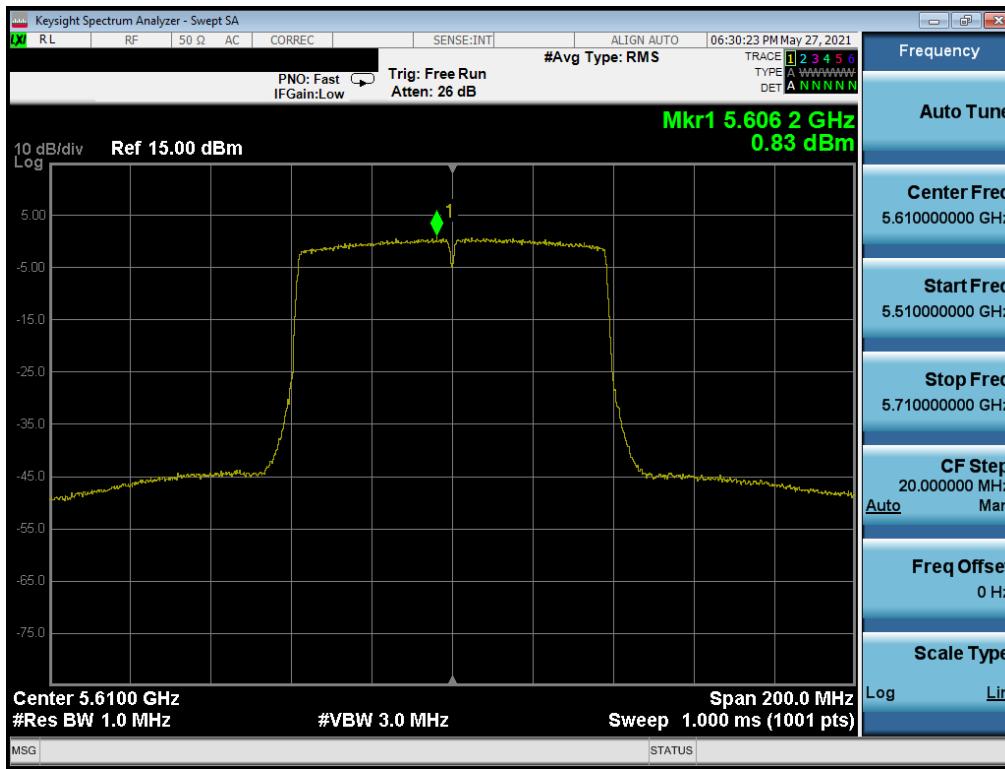


Plot 7-187. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11ax (UNII Band 2C) – Ch. 142)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 125 of 336

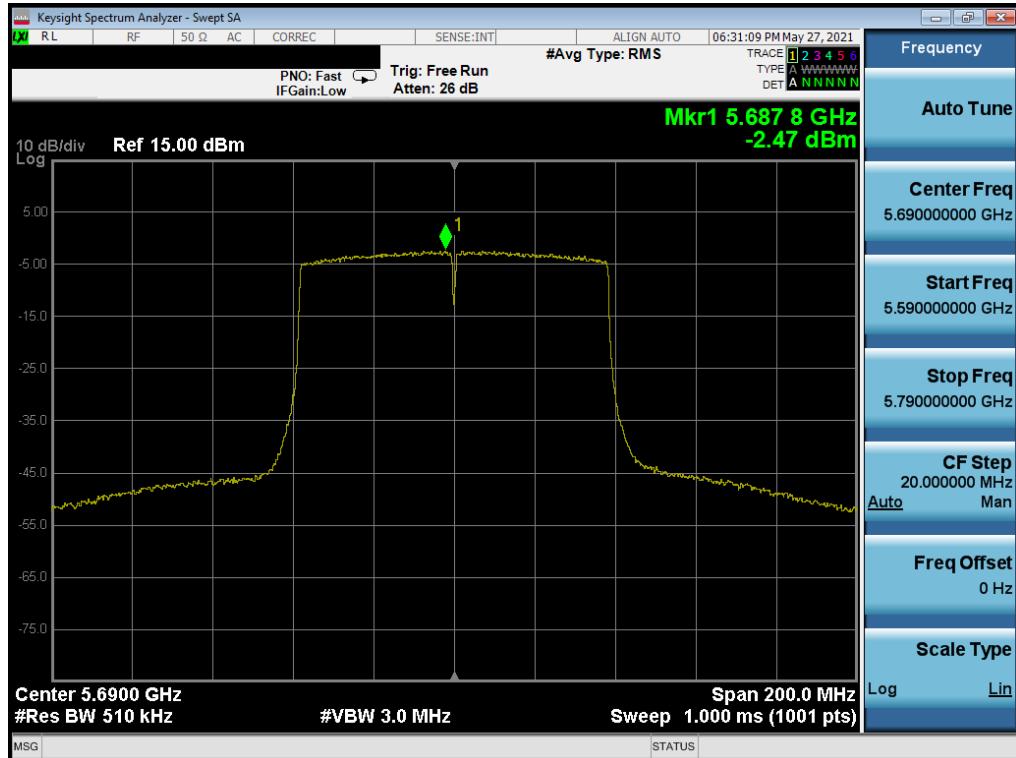


Plot 7-188. Power Spectral Density Plot SISO SOUTH (80MHz BW 802.11ac (UNII Band 2C) – Ch. 106)

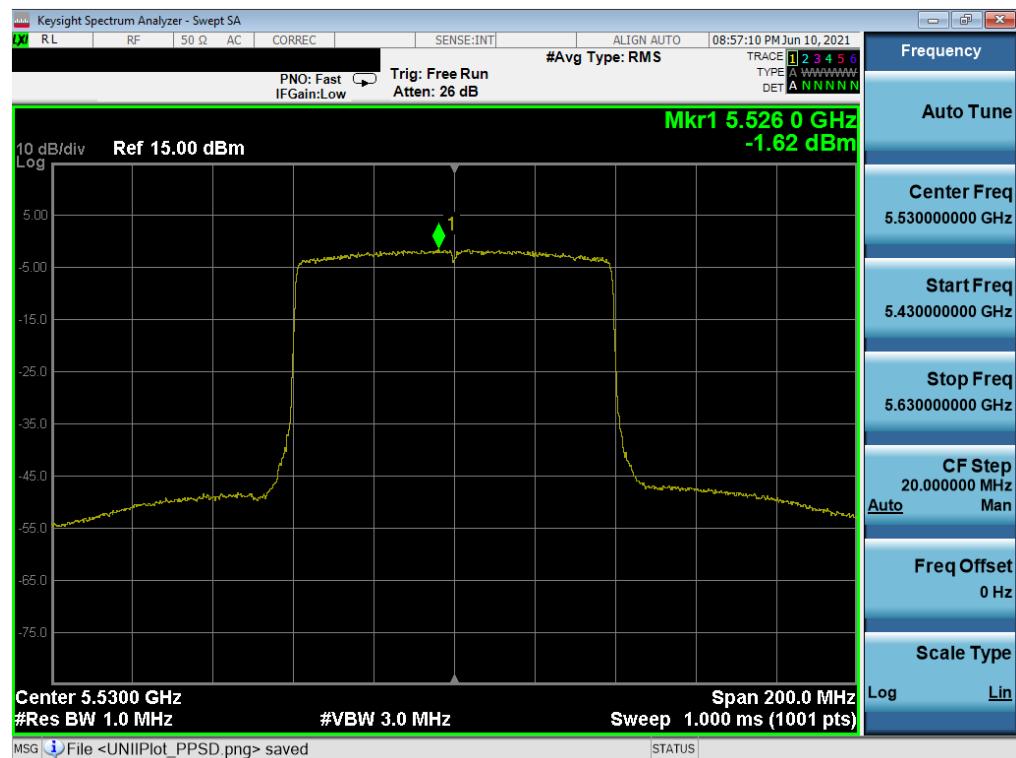


Plot 7-189. Power Spectral Density Plot SISO SOUTH (80MHz BW 802.11ac (UNII Band 2C) – Ch. 122)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 126 of 336

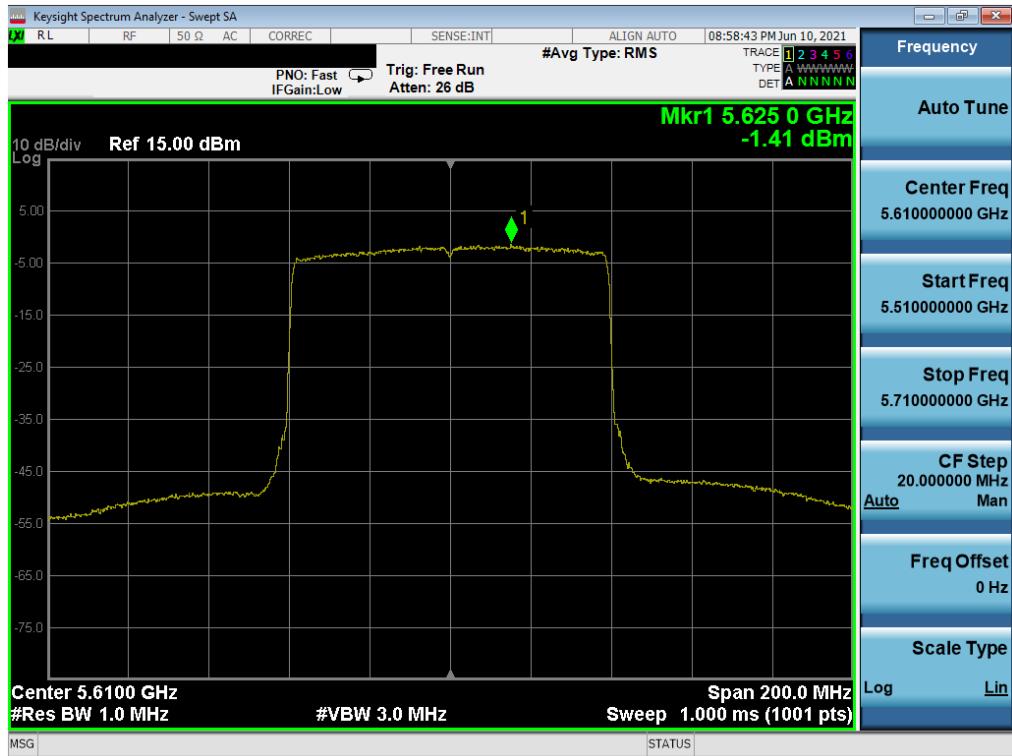


Plot 7-190. Power Spectral Density Plot SISO SOUTH (80MHz BW 802.11ac (UNII Band 2C) – Ch. 138)



Plot 7-191. Power Spectral Density Plot SISO SOUTH (80MHz BW 802.11ax (UNII Band 2C) – Ch. 106)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 127 of 336

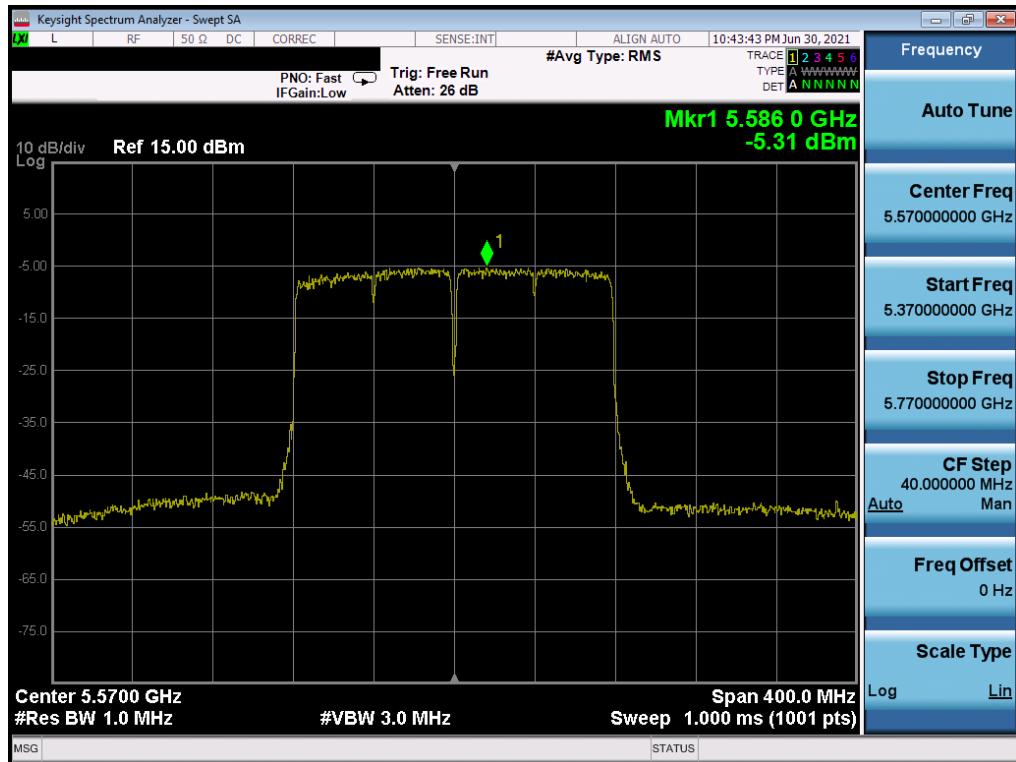


Plot 7-192. Power Spectral Density Plot SISO SOUTH (80MHz BW 802.11ax (UNII Band 2C) – Ch. 122)

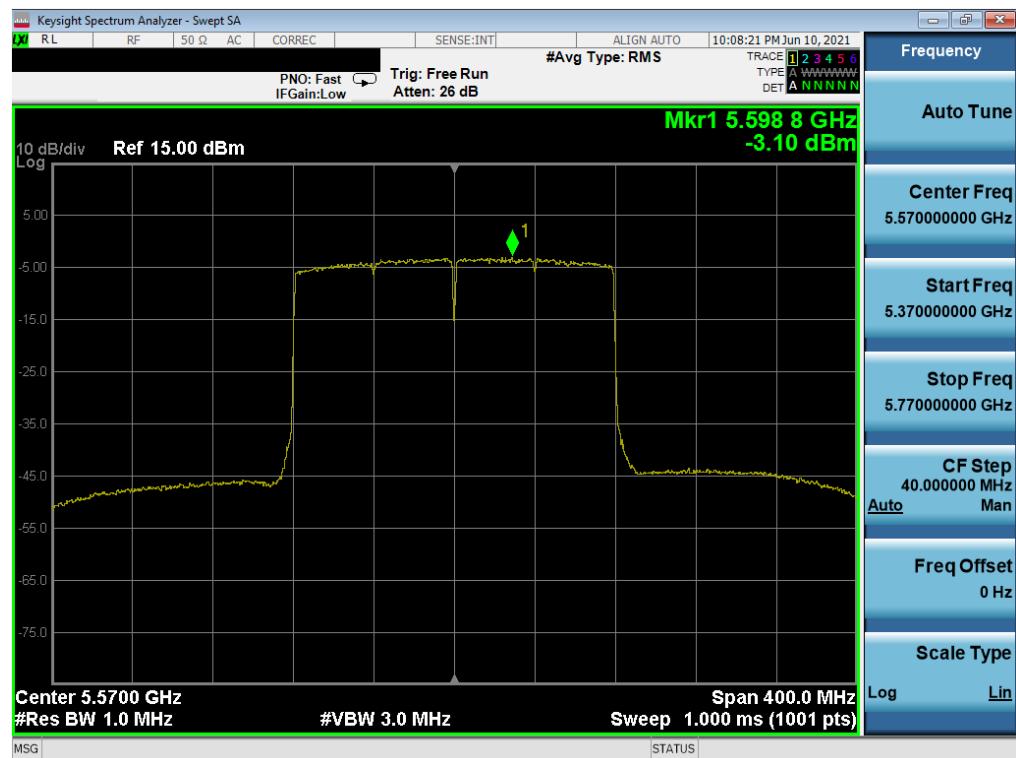


Plot 7-193. Power Spectral Density Plot SISO SOUTH (80MHz BW 802.11ax (UNII Band 2C) – Ch. 138)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 128 of 336



Plot 7-194. Power Spectral Density Plot SISO SOUTH (160MHz BW 802.11ac (UNII Band 2C) – Ch. 114)

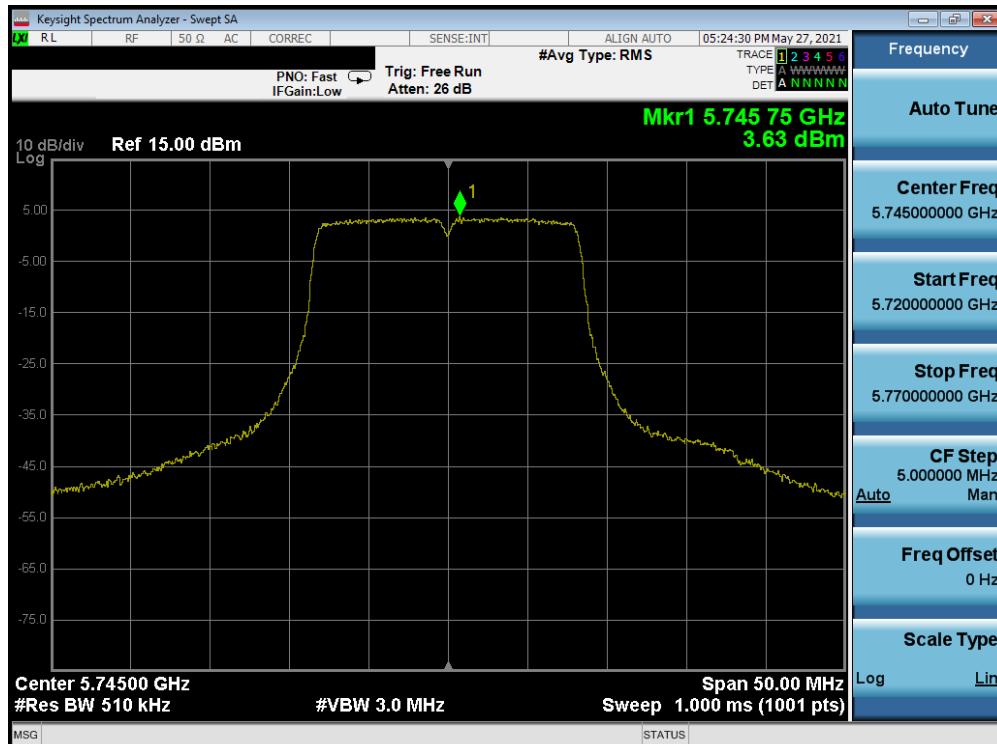


Plot 7-195. Power Spectral Density Plot SISO SOUTH (160MHz BW 802.11ax (UNII Band 2C) – Ch. 114)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 129 of 336

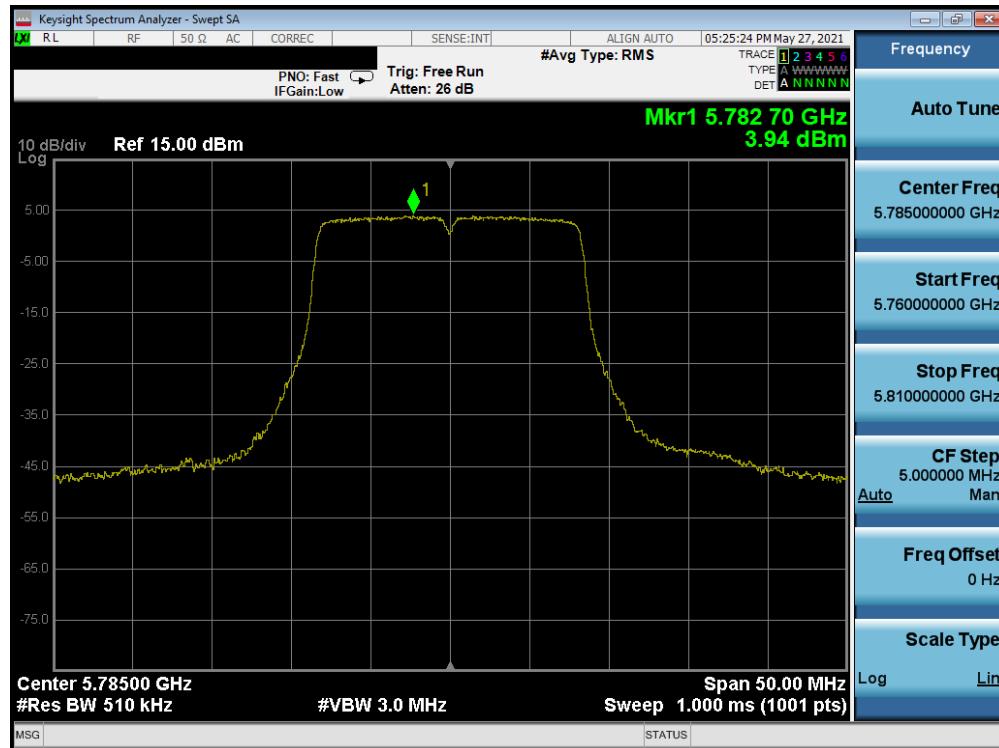
Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm]	Max Permissible Power Density	Margin [dB]
Band 3	5745	149	a	6	3.63	-26.37
	5785	157	a	6	3.94	-26.06
	5825	165	a	6	3.88	-26.12
	5745	149	n (20MHz)	6.5/7.2 (MCS0)	3.22	-26.78
	5785	157	n (20MHz)	6.5/7.2 (MCS0)	3.21	-26.79
	5825	165	n (20MHz)	6.5/7.2 (MCS0)	4.08	-25.92
	5745	149	ax (20MHz)	6.5/7.2 (MCS0)	3.68	-26.32
	5785	157	ax (20MHz)	6.5/7.2 (MCS0)	3.29	-26.71
	5825	165	ax (20MHz)	6.5/7.2 (MCS0)	3.11	-26.89
	5755	151	n (40MHz)	13.5/15 (MCS0)	0.15	-29.85
	5795	159	n (40MHz)	13.5/15 (MCS0)	0.48	-29.52
	5755	151	ax (40MHz)	13.5/15 (MCS0)	-0.65	-30.65
	5795	159	ax (40MHz)	13.5/15 (MCS0)	-0.79	-30.79
	5775	155	ac (80MHz)	29.3/32.5 (MCS0)	0.31	-29.70
	5775	155	ax (80MHz)	29.3/32.5 (MCS0)	-0.94	-30.94

Table 7-27. Band 3 Conducted Power Spectral Density Measurements SISO SOUTH

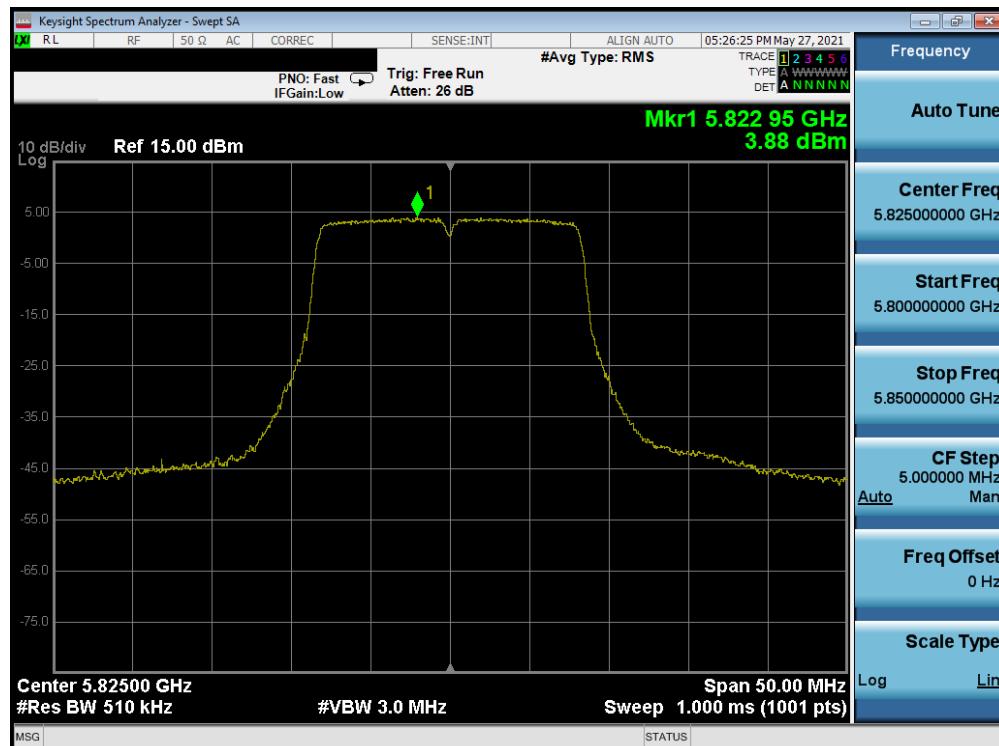


Plot 7-196. Power Spectral Density Plot SISO SOUTH (802.11a (UNII Band 3) – Ch. 149)

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 130 of 336

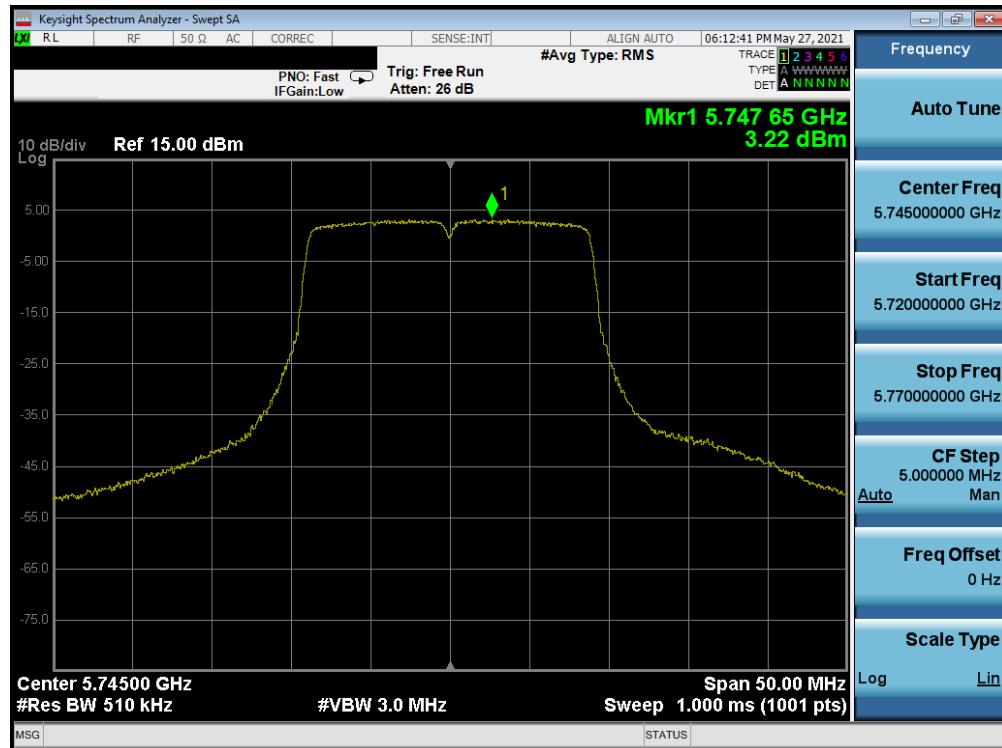


Plot 7-197. Power Spectral Density Plot SISO SOUTH (802.11a (UNII Band 3) – Ch. 157)

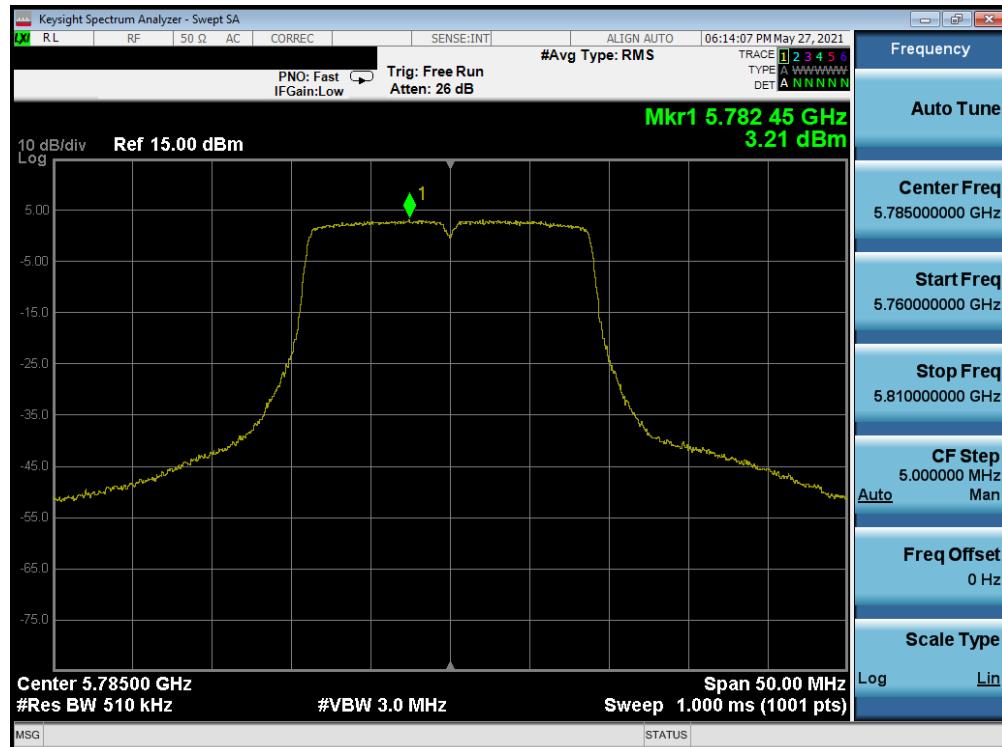


Plot 7-198. Power Spectral Density Plot SISO SOUTH (802.11a (UNII Band 3) – Ch. 165)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 131 of 336

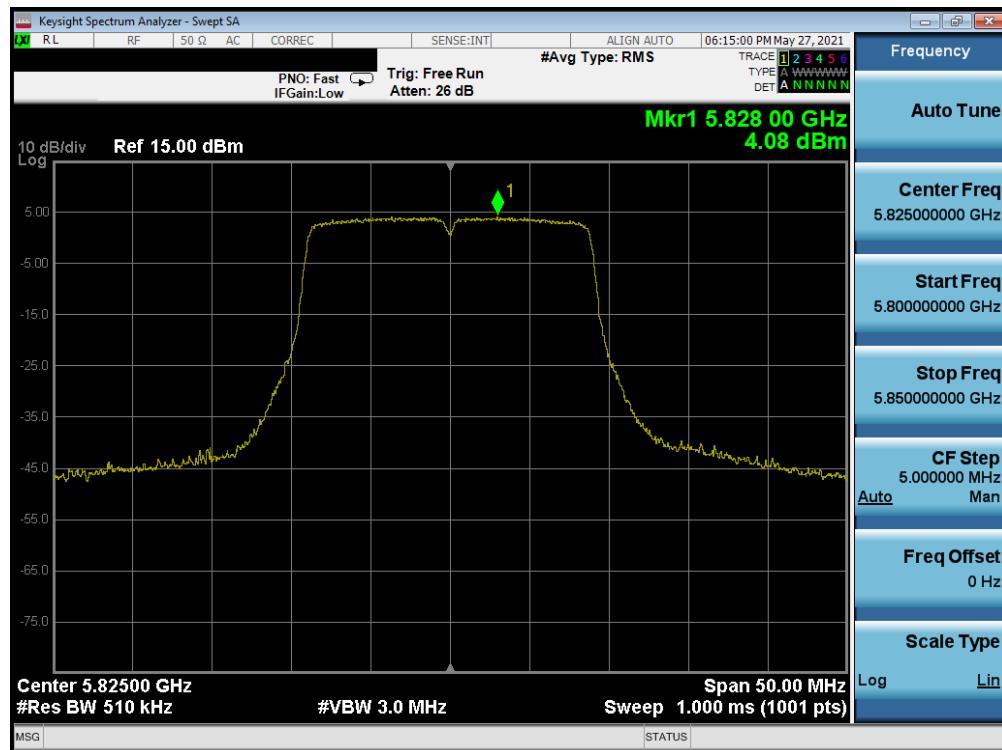


Plot 7-199. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11n (UNII Band 3) – Ch. 149)

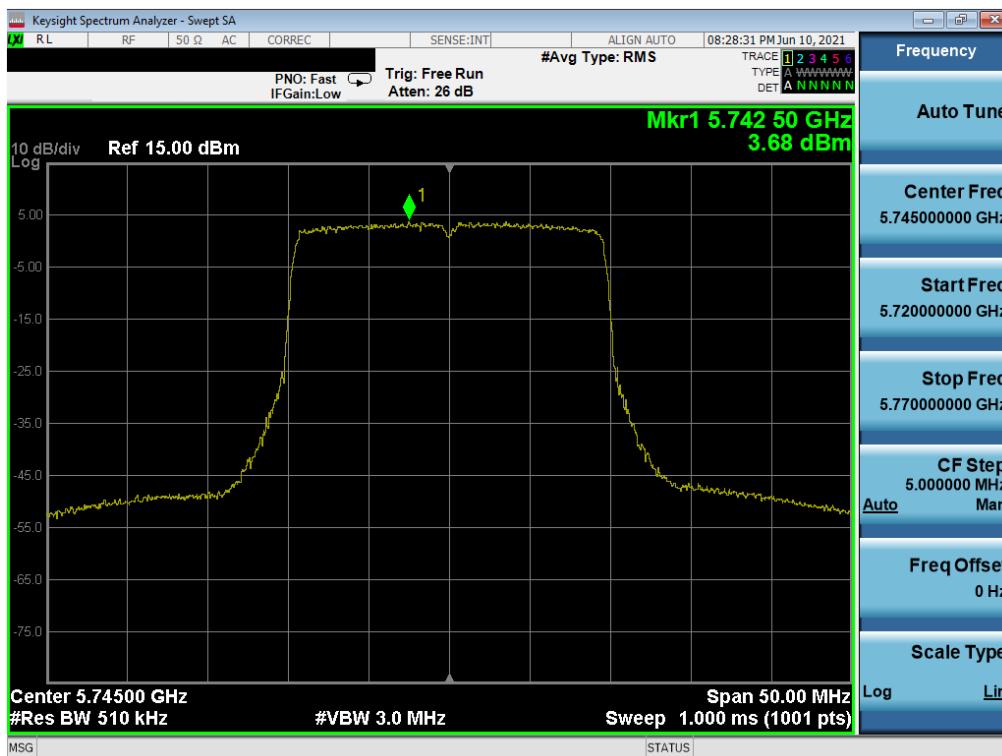


Plot 7-200. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11n (UNII Band 3) – Ch. 157)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 132 of 336

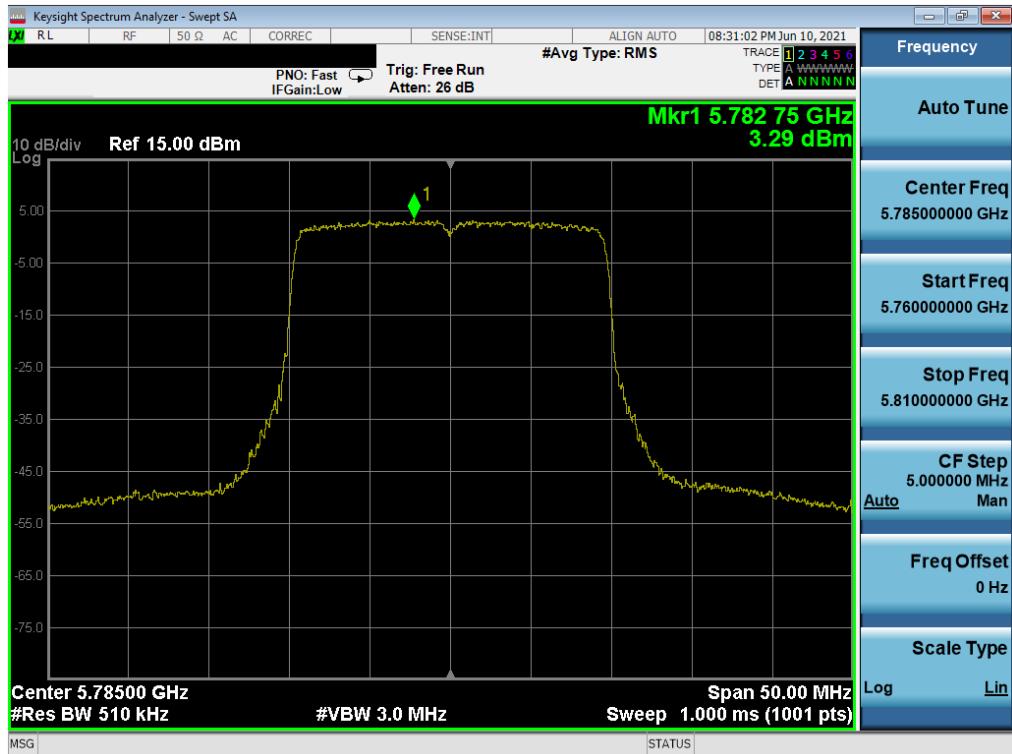


Plot 7-201. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11n (UNII Band 3) – Ch. 165)

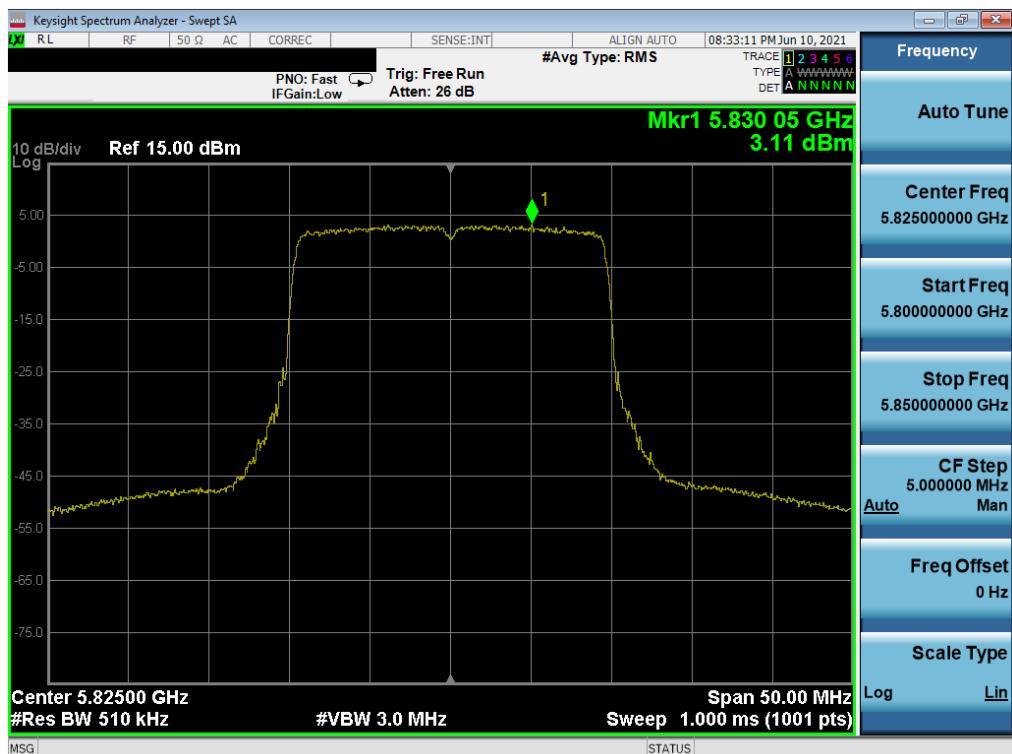


Plot 7-202. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax (UNII Band 3) – Ch. 149)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 133 of 336

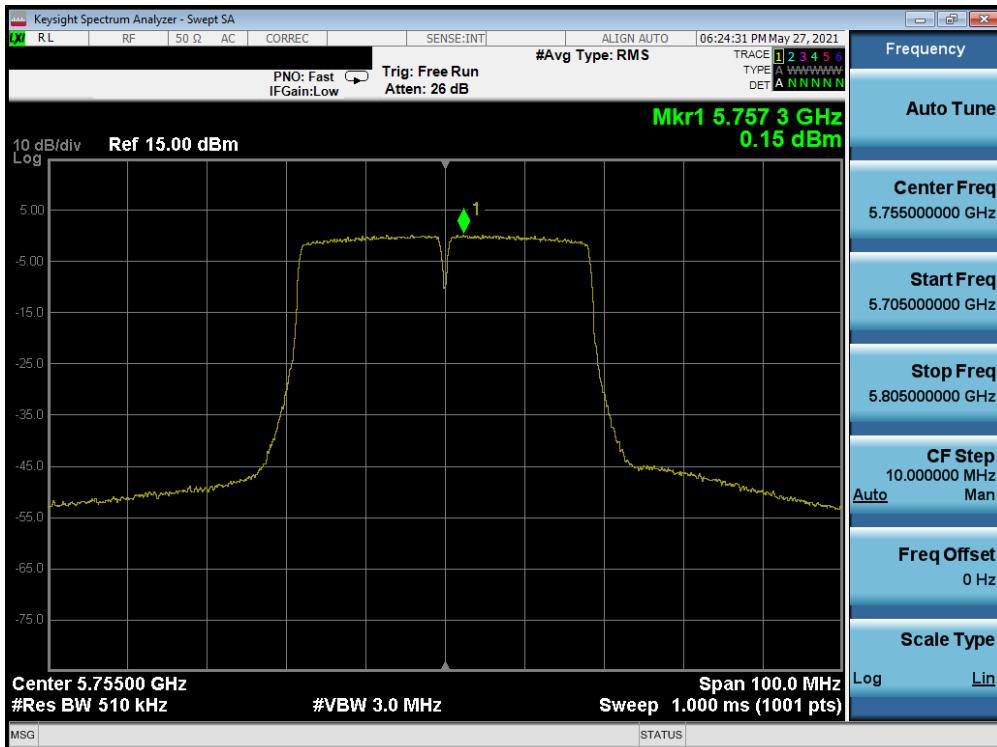


Plot 7-203. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax (UNII Band 3) – Ch. 157)

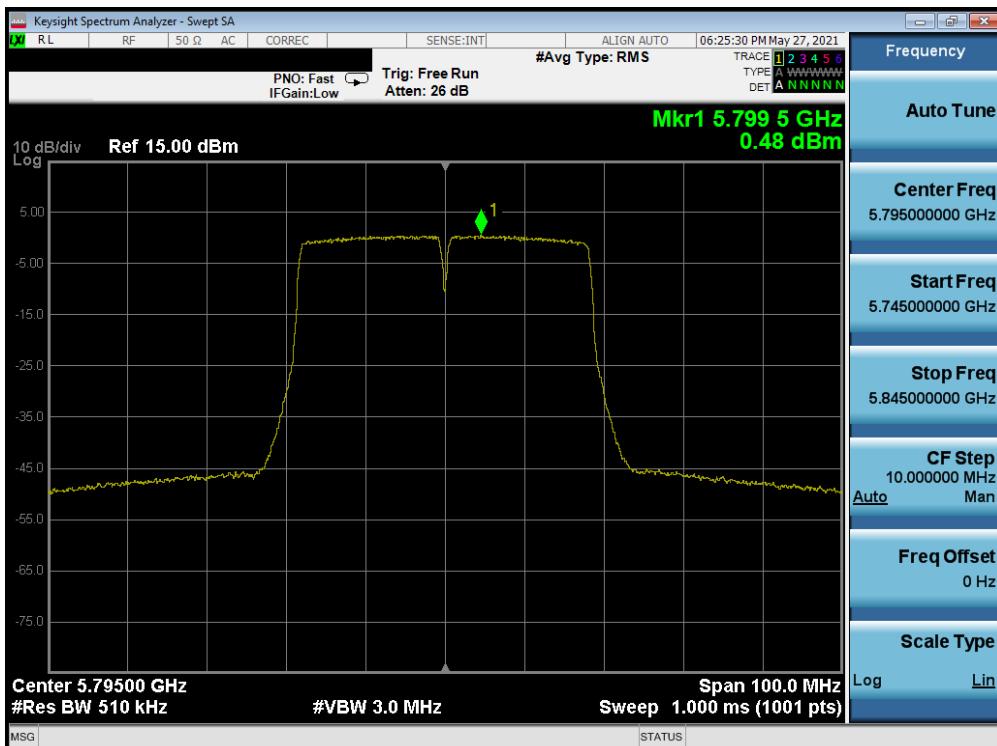


Plot 7-204. Power Spectral Density Plot SISO SOUTH (20MHz BW 802.11ax (UNII Band 3) – Ch. 165)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 134 of 336

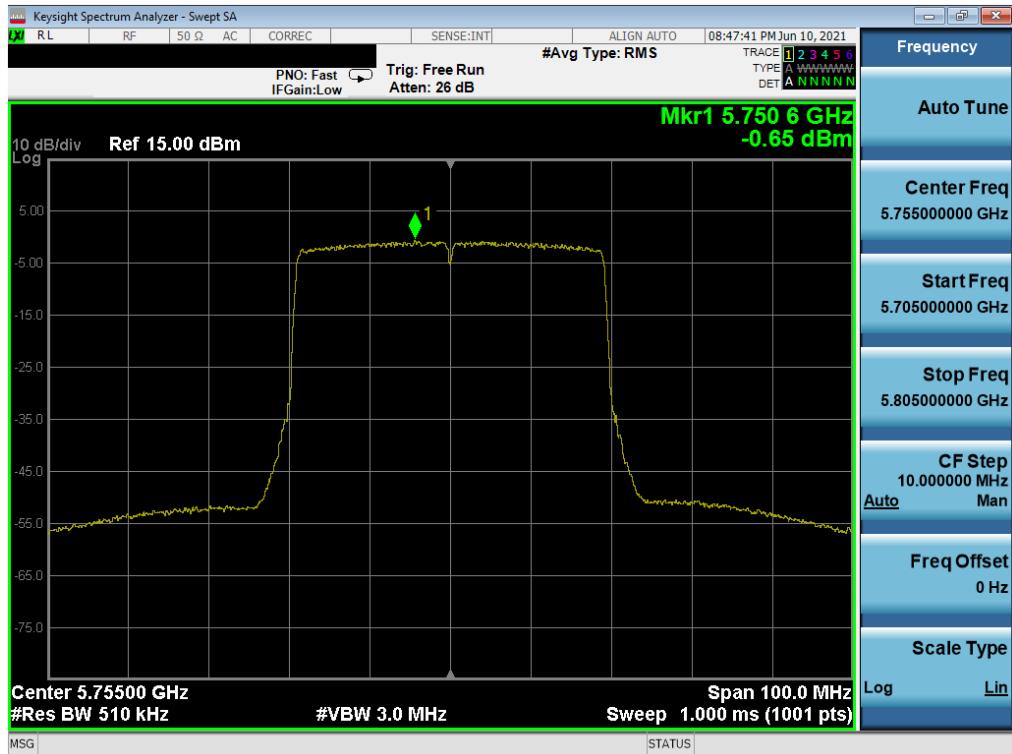


Plot 7-205. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11n (UNII Band 3) – Ch. 151)

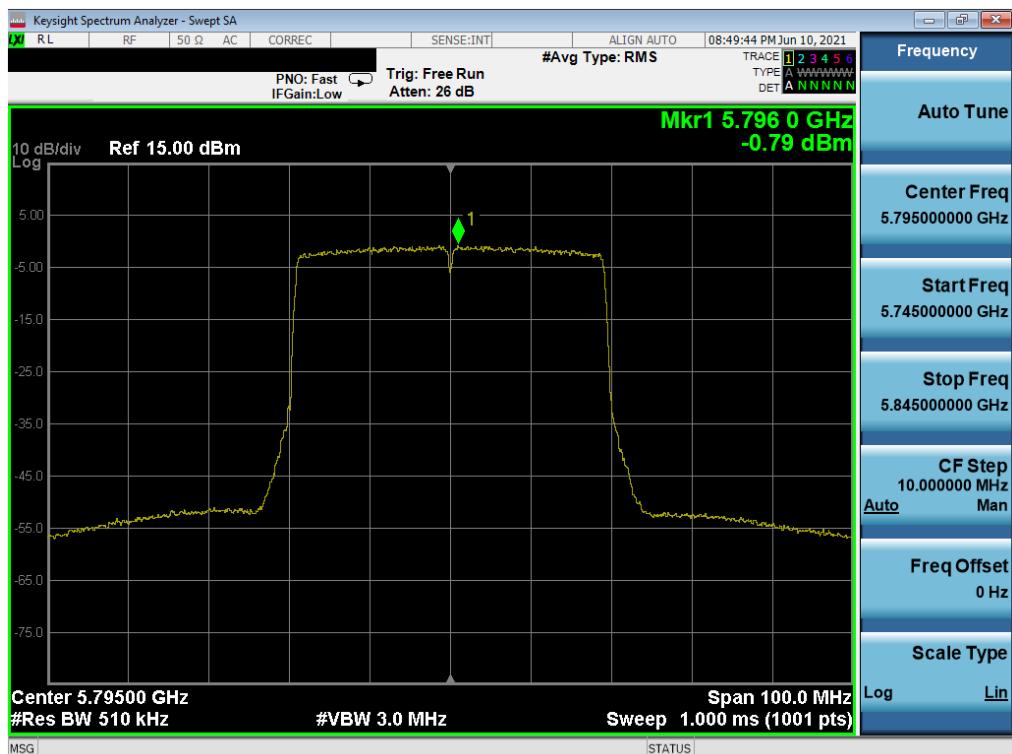


Plot 7-206. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11n (UNII Band 3) – Ch. 159)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 135 of 336

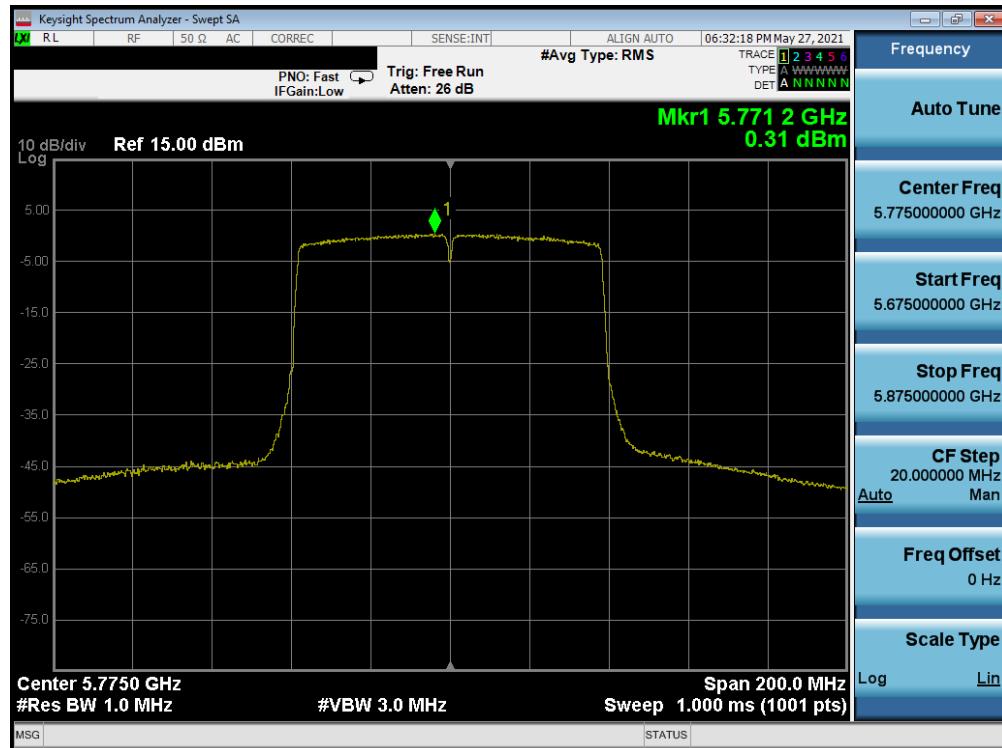


Plot 7-207. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11n (UNII Band 3) – Ch. 159)

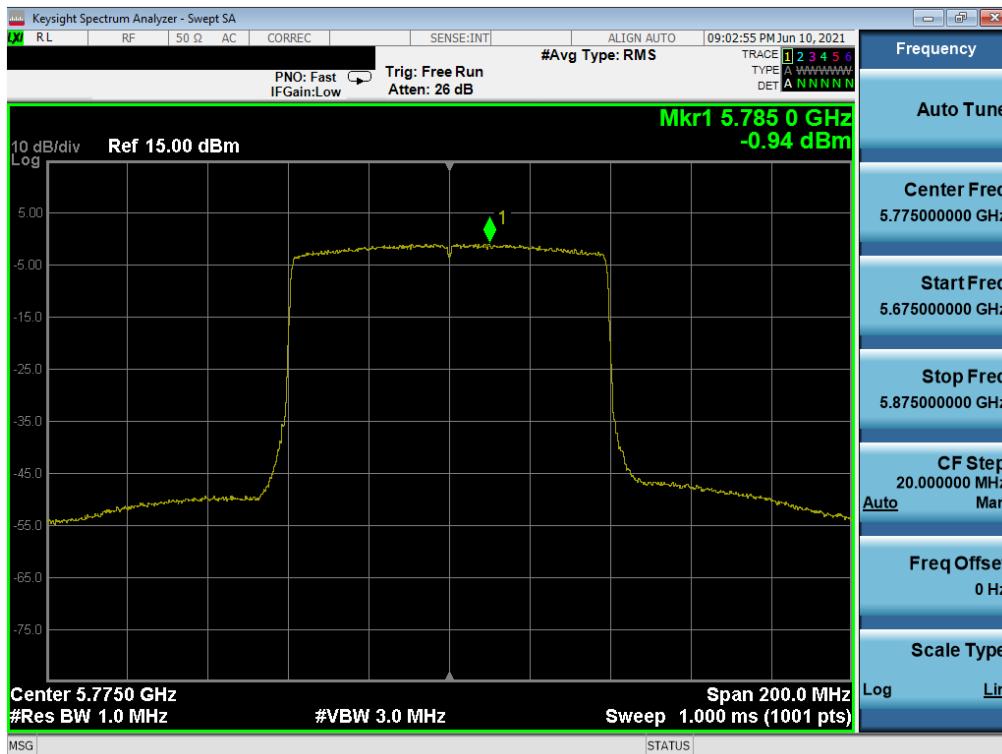


Plot 7-208. Power Spectral Density Plot SISO SOUTH (40MHz BW 802.11n (UNII Band 3) – Ch. 159)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 136 of 336



Plot 7-209. Power Spectral Density Plot SISO SOUTH (80MHz BW 802.11ac (UNII Band 3) – Ch. 155)



Plot 7-210. Power Spectral Density Plot SISO SOUTH (80MHz BW 802.11ax (UNII Band 3) – Ch. 155)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 137 of 336

SISO NORTH Power Spectral Density Measurements

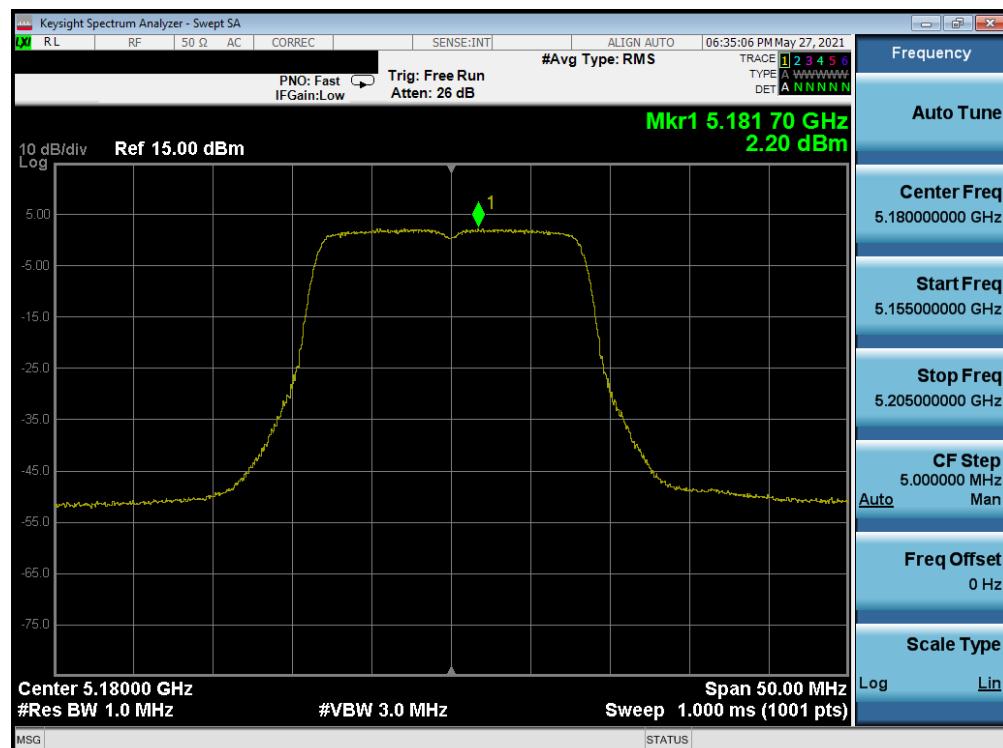
Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm]	Max Power Density [dBm/MHz]	Margin [dB]	
Band 1	5180	36	a	6	2.20	11.00	-8.80
	5200	40	a	6	2.61	11.00	-8.39
	5240	48	a	6	2.20	11.00	-8.80
	5180	36	n (20MHz)	6.5/7.2 (MCS0)	2.41	11.00	-8.59
	5200	40	n (20MHz)	6.5/7.2 (MCS0)	2.29	11.00	-8.71
	5240	48	n (20MHz)	6.5/7.2 (MCS0)	2.39	11.00	-8.61
	5180	36	ax (20MHz)	6.5/7.2 (MCS0)	1.72	11.00	-9.28
	5200	40	ax (20MHz)	6.5/7.2 (MCS0)	1.88	11.00	-9.12
	5240	48	ax (20MHz)	6.5/7.2 (MCS0)	2.12	11.00	-8.88
	5190	38	n (40MHz)	13.5/15 (MCS0)	1.59	11.00	-9.41
	5230	46	n (40MHz)	13.5/15 (MCS0)	1.37	11.00	-9.63
	5190	38	ax (40MHz)	13.5/15 (MCS0)	0.93	11.00	-10.07
	5230	46	ax (40MHz)	13.5/15 (MCS0)	1.31	11.00	-9.69
	5210	42	ac (80MHz)	29.3/32.5 (MCS0)	-3.41	11.00	-14.41
	5210	42	ax (80MHz)	29.3/32.5 (MCS0)	-1.92	11.00	-12.92
Band 1/2A	5250	50	ac (160MHz)	58.5/65 (MCS0)	-7.06	11.00	-18.06
	5250	50	ax (160MHz)	58.5/65 (MCS0)	-3.25	11.00	-14.25
	5260	52	a	6	6.93	11.00	-4.07
	5280	56	a	6	6.58	11.00	-4.43
	5320	64	a	6	6.90	11.00	-4.10
	5260	52	n (20MHz)	6.5/7.2 (MCS0)	6.68	11.00	-4.32
	5280	56	n (20MHz)	6.5/7.2 (MCS0)	6.04	11.00	-4.96
	5320	64	n (20MHz)	6.5/7.2 (MCS0)	6.56	11.00	-4.44
	5260	52	ax (20MHz)	6.5/7.2 (MCS0)	6.04	11.00	-4.96
	5280	56	ax (20MHz)	6.5/7.2 (MCS0)	5.97	11.00	-5.03
Band 2A	5320	64	ax (20MHz)	6.5/7.2 (MCS0)	5.98	11.00	-5.02
	5270	54	n (40MHz)	13.5/15 (MCS0)	4.17	11.00	-6.83
	5310	62	n (40MHz)	13.5/15 (MCS0)	4.14	11.00	-6.86
	5270	54	ax (40MHz)	13.5/15 (MCS0)	3.00	11.00	-8.00
	5310	62	ax (40MHz)	13.5/15 (MCS0)	2.86	11.00	-8.14
	5290	58	ac (80MHz)	29.3/32.5 (MCS0)	1.00	11.00	-10.00
	5290	58	ax (80MHz)	29.3/32.5 (MCS0)	-0.68	11.00	-11.68
	5500	100	a	6	7.15	11.00	-3.85
	5600	120	a	6	6.93	11.00	-4.07
	5720	144	a	6	6.69	11.00	-4.32
	5500	100	n (20MHz)	6.5/7.2 (MCS0)	6.50	11.00	-4.50
	5600	120	n (20MHz)	6.5/7.2 (MCS0)	6.58	11.00	-4.42
	5720	144	n (20MHz)	6.5/7.2 (MCS0)	6.38	11.00	-4.62
	5500	100	ax (20MHz)	6.5/7.2 (MCS0)	6.02	11.00	-4.98
	5600	120	ax (20MHz)	6.5/7.2 (MCS0)	5.94	11.00	-5.06
	5720	144	ax (20MHz)	6.5/7.2 (MCS0)	5.98	11.00	-5.02
	5510	102	n (40MHz)	13.5/15 (MCS0)	4.01	11.00	-6.99
	5590	118	n (40MHz)	13.5/15 (MCS0)	4.21	11.00	-6.79
Band 2C	5710	142	n (40MHz)	13.5/15 (MCS0)	3.93	11.00	-7.07
	5510	102	ax (40MHz)	13.5/15 (MCS0)	2.78	11.00	-8.22
	5590	118	ax (40MHz)	13.5/15 (MCS0)	2.87	11.00	-8.13
	5710	142	ax (40MHz)	13.5/15 (MCS0)	3.93	11.00	-7.07
	5530	106	ac (80MHz)	29.3/32.5 (MCS0)	0.95	11.00	-10.05
	5610	122	ac (80MHz)	29.3/32.5 (MCS0)	1.03	11.00	-9.97
	5690	138	ac (80MHz)	29.3/32.5 (MCS0)	-1.84	11.00	-12.84
	5530	106	ax (80MHz)	29.3/32.5 (MCS0)	-1.57	11.00	-12.57
	5610	122	ax (80MHz)	29.3/32.5 (MCS0)	-1.82	11.00	-12.82
	5690	138	ax (80MHz)	29.3/32.5 (MCS0)	-0.64	11.00	-11.64
	5570	114	ac (160MHz)	58.5/65 (MCS0)	-5.37	11.00	-16.37
	5570	114	ax (160MHz)	58.5/65 (MCS0)	-3.26	11.00	-14.26

Table 7-28. Conducted Power Spectral Density Measurements SISO NORTH

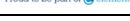
FCC ID: C3K1995 IC: 3048A-1995	 PCTEST [®] Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 138 of 336

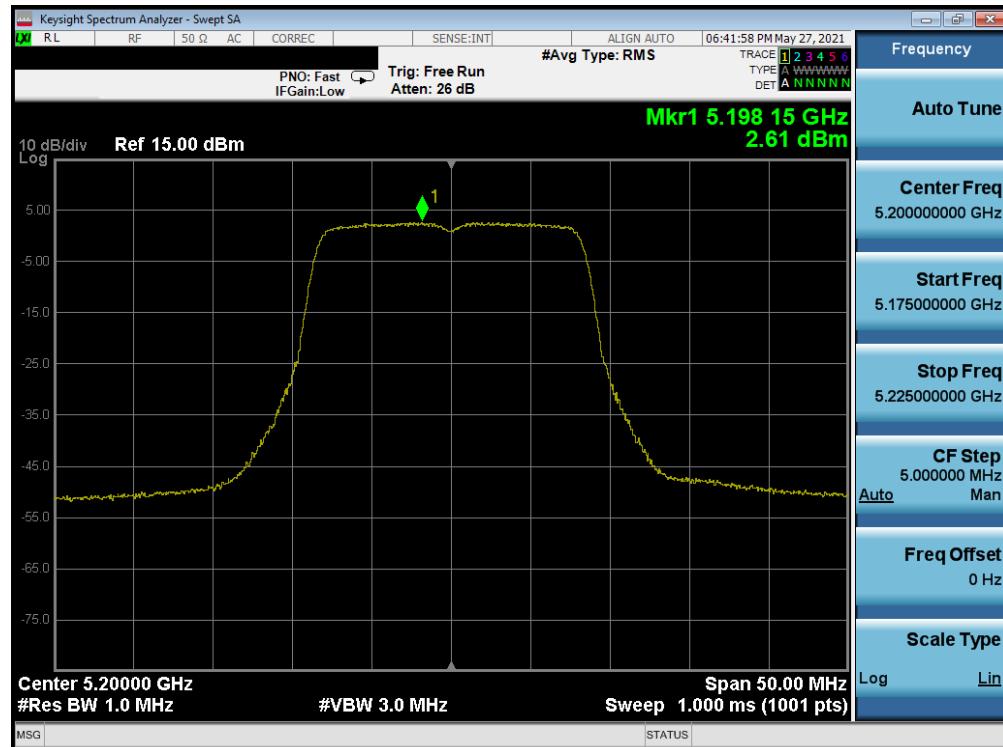
Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density	Margin [dB]
Band 1	5180	a	6	2.20	-2.10	0.10	10.0	-9.90
	5200	a	6	2.61	-2.10	0.51	10.0	-9.49
	5240	a	6	2.20	-2.10	0.10	10.0	-9.90
	5180	n (20MHz)	6.5/7.2 (MCS0)	2.41	-2.10	0.31	10.0	-9.69
	5200	n (20MHz)	6.5/7.2 (MCS0)	2.29	-2.10	0.19	10.0	-9.81
	5240	n (20MHz)	6.5/7.2 (MCS0)	2.39	-2.10	0.29	10.0	-9.71
	5180	ax (20MHz)	6.5/7.2 (MCS0)	1.72	-2.10	-0.38	10.0	-10.38
	5200	ax (20MHz)	6.5/7.2 (MCS0)	1.88	-2.10	-0.22	10.0	-10.22
	5240	ax (20MHz)	6.5/7.2 (MCS0)	2.12	-2.10	0.02	10.0	-9.98
	5190	n (40MHz)	13.5/15 (MCS0)	1.59	-2.10	-0.51	10.0	-10.51
	5230	n (40MHz)	13.5/15 (MCS0)	1.37	-2.10	-0.73	10.0	-10.73
	5190	ax (40MHz)	13.5/15 (MCS0)	0.93	-2.10	-1.17	10.0	-11.17
	5230	ax (40MHz)	13.5/15 (MCS0)	1.31	-2.10	-0.79	10.0	-10.79
	5210	ac (80MHz)	29.3/32.5 (MCS0)	-3.41	-2.10	-5.51	10.0	-15.51
	5210	ax (80MHz)	29.3/32.5 (MCS0)	-1.92	-2.10	-4.02	10.0	-14.02
	5250	ac (160MHz)	58.5/65 (MCS0)	-7.06	-2.10	-9.16	10.0	-19.16
	5250	ac (160MHz)	58.5/65 (MCS0)	-3.25	-2.10	-5.35	10.0	-15.35

Table 7-29. Band 1 e.i.r.p. Conducted Power Spectral Density Measurements SISO NORTH (ISED)

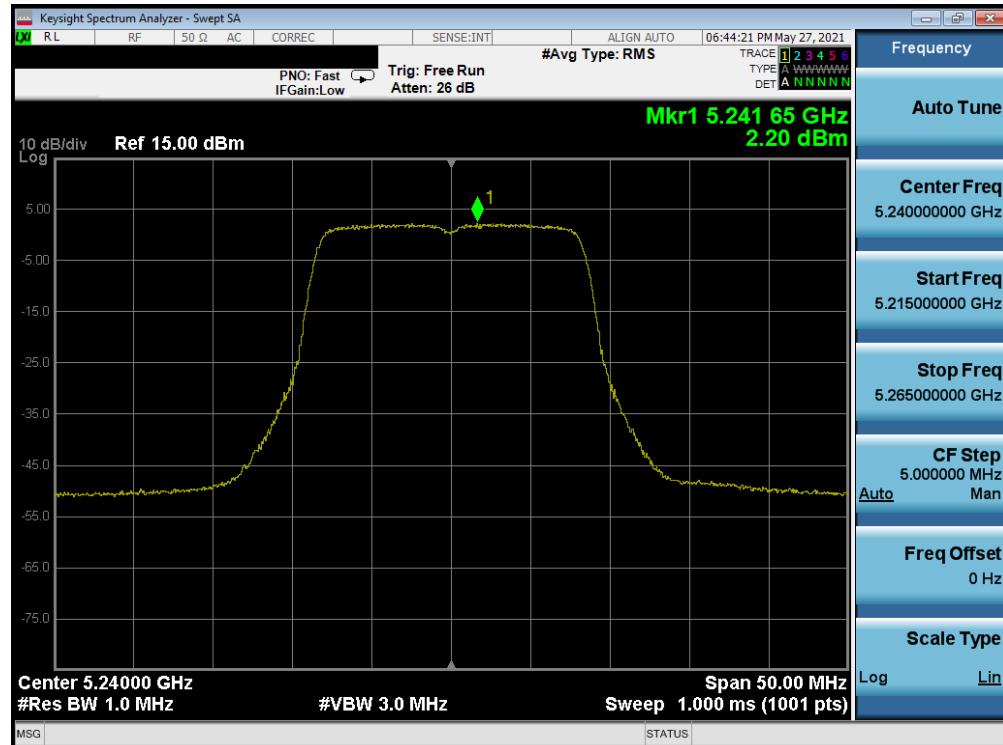


Plot 7-211. Power Spectral Density Plot SISO NORTH (802.11a (UNII Band 1) – Ch. 36)

FCC ID: C3K1995 IC: 3048A-1995	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 139 of 336

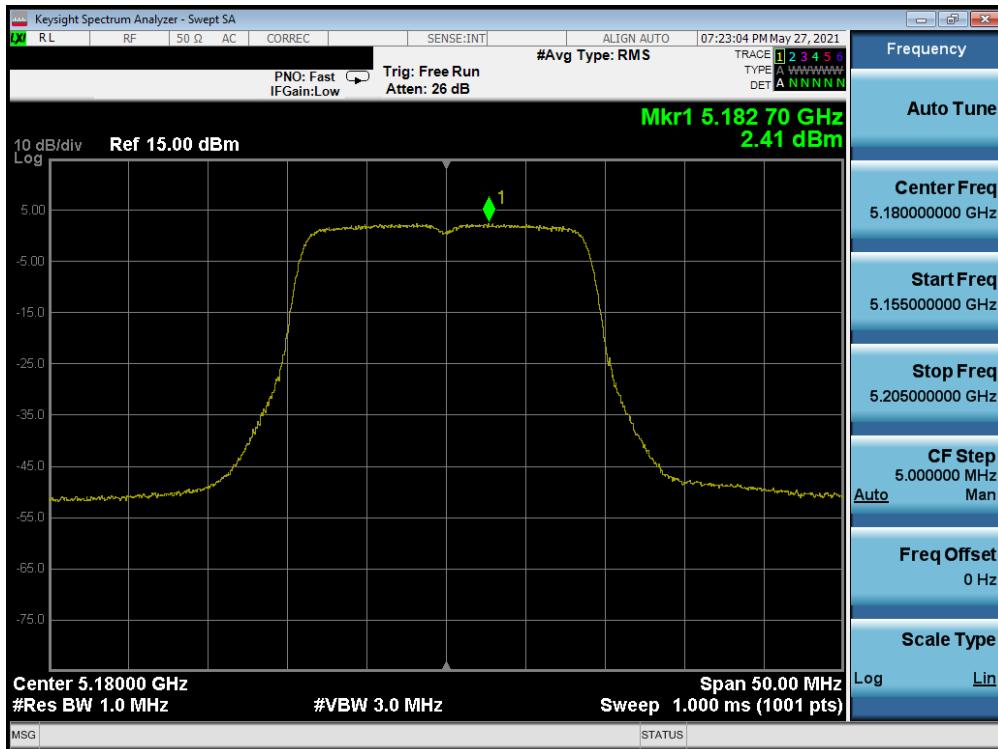


Plot 7-212. Power Spectral Density Plot SISO NORTH (802.11a (UNII Band 1) – Ch. 40)

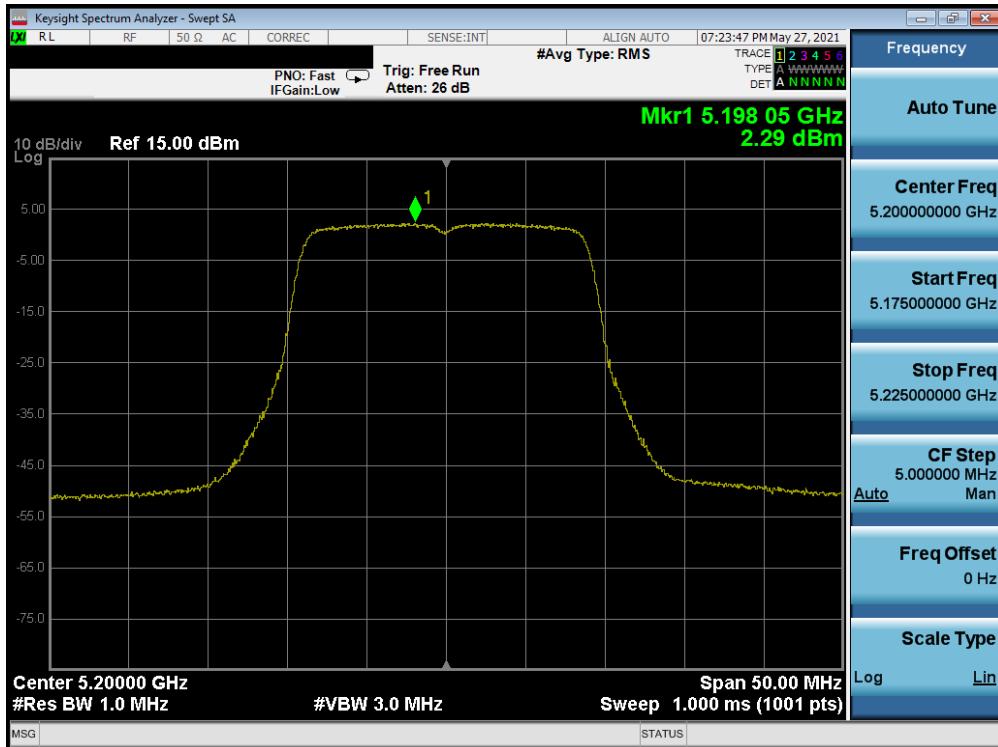


Plot 7-213. Power Spectral Density Plot SISO NORTH (802.11a (UNII Band 1) – Ch. 48)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 140 of 336

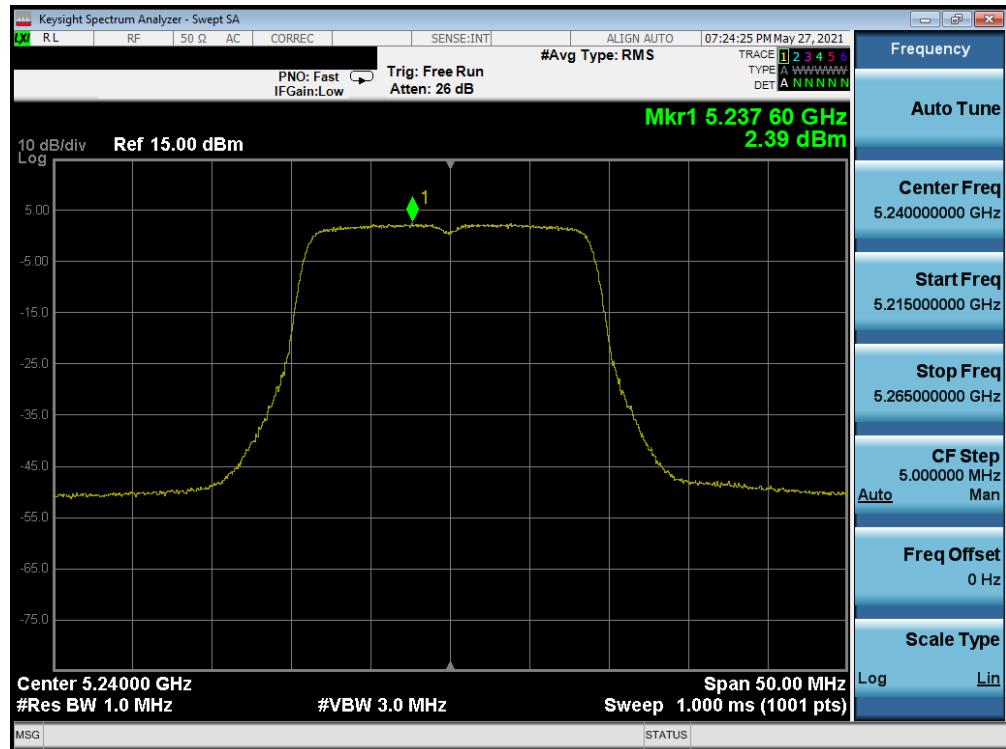


Plot 7-214. Power Spectral Density Plot SISO NORTH (20MHz BW 802.11n (UNII Band 1) – Ch. 36)

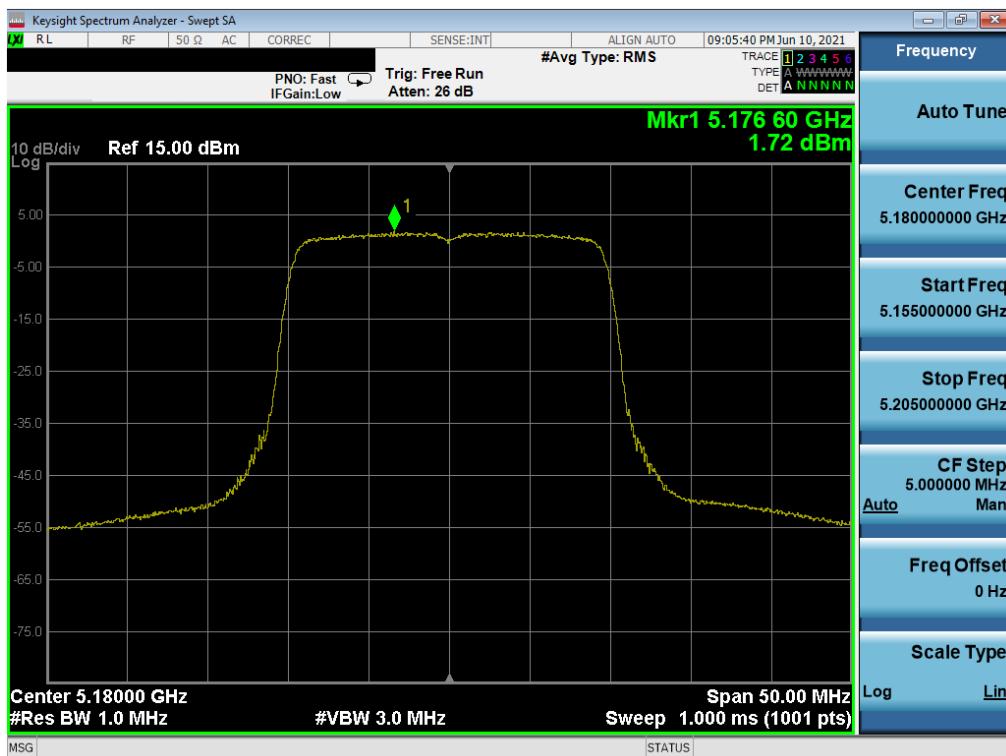


Plot 7-215. Power Spectral Density Plot SISO NORTH (20MHz BW 802.11n (UNII Band 1) – Ch. 40)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 141 of 336

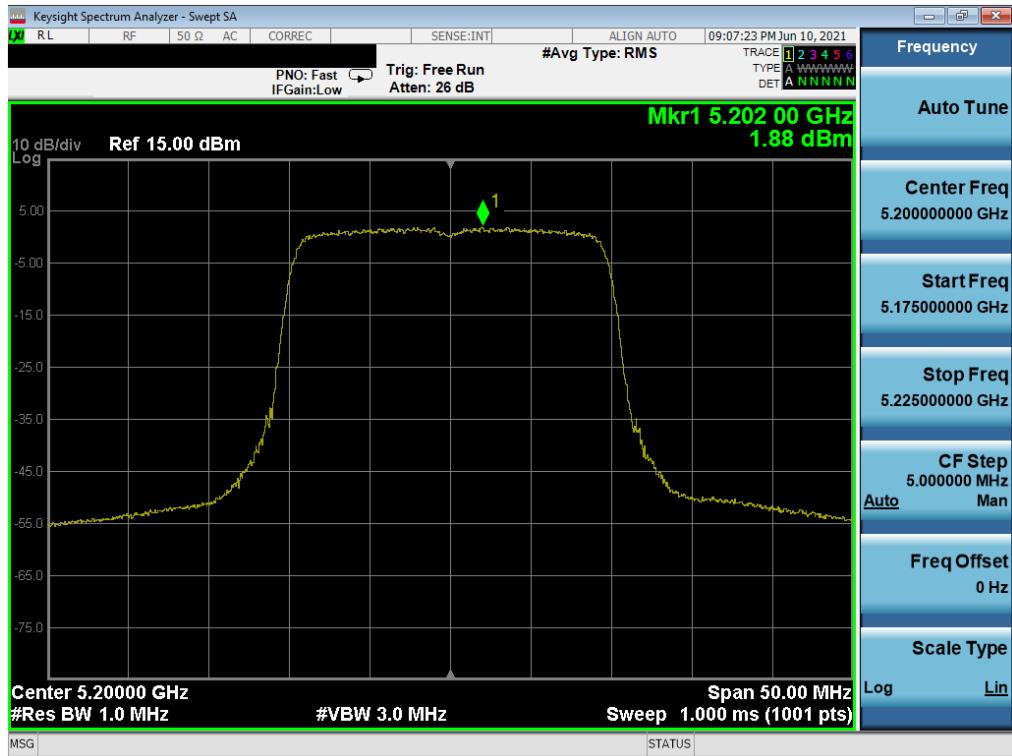


Plot 7-216. Power Spectral Density Plot SISO NORTH (20MHz BW 802.11n (UNII Band 1) – Ch. 48)

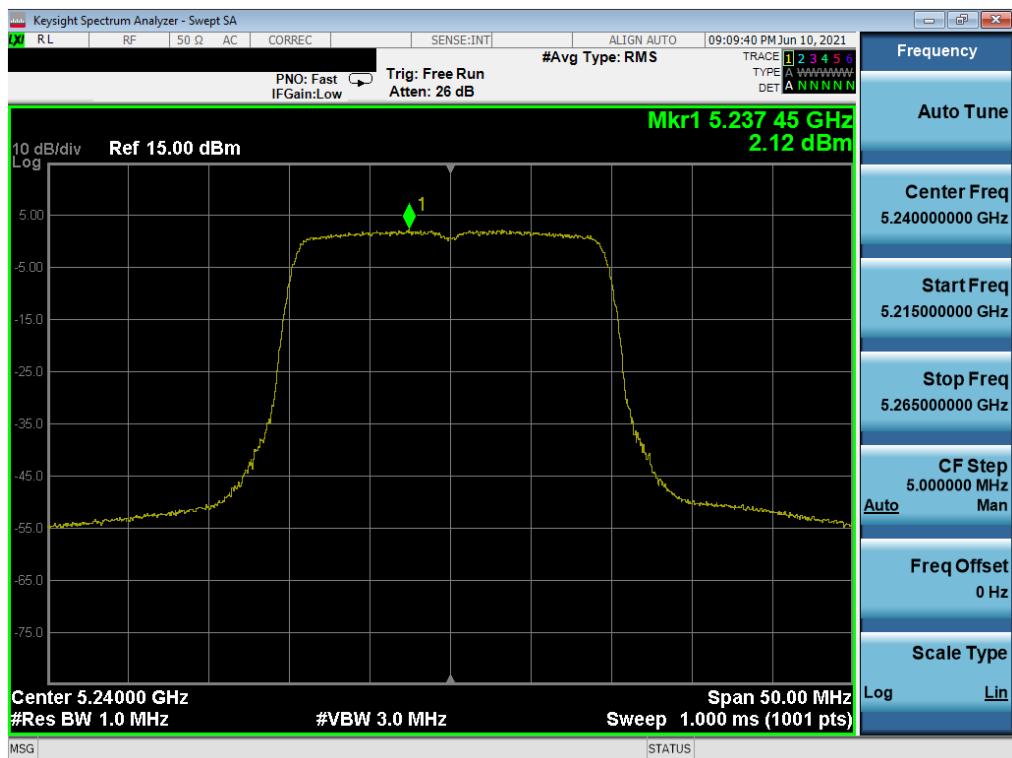


Plot 7-217. Power Spectral Density Plot SISO NORTH (20MHz BW 802.11ax (UNII Band 1) – Ch. 36)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 142 of 336

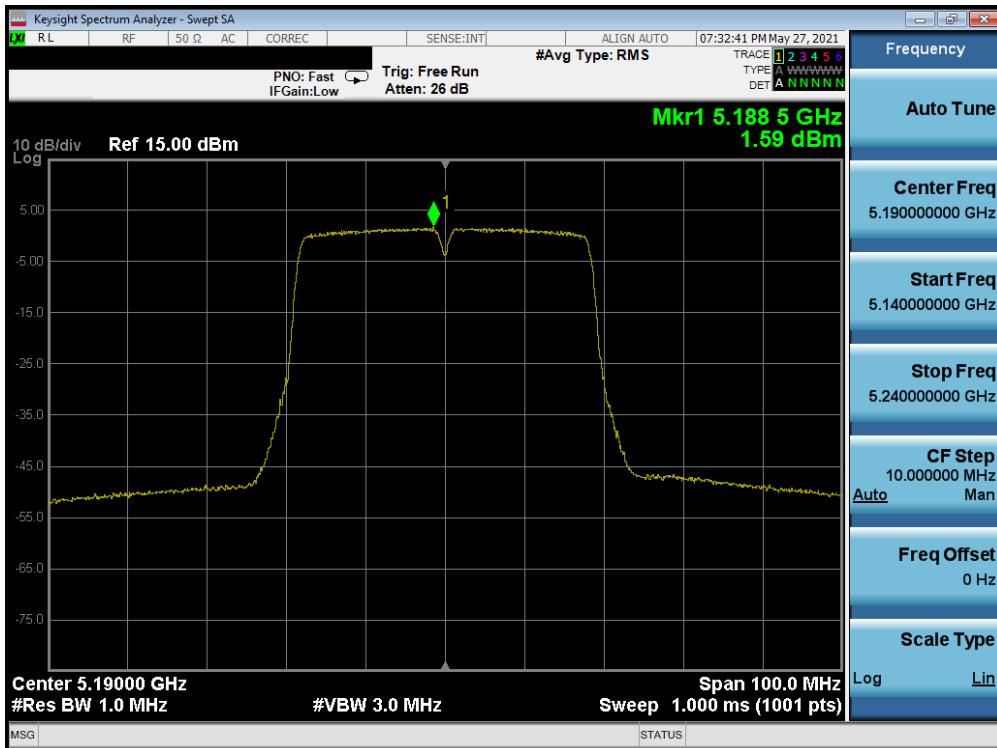


Plot 7-218. Power Spectral Density Plot SISO NORTH (20MHz BW 802.11ax (UNII Band 1) – Ch. 40)

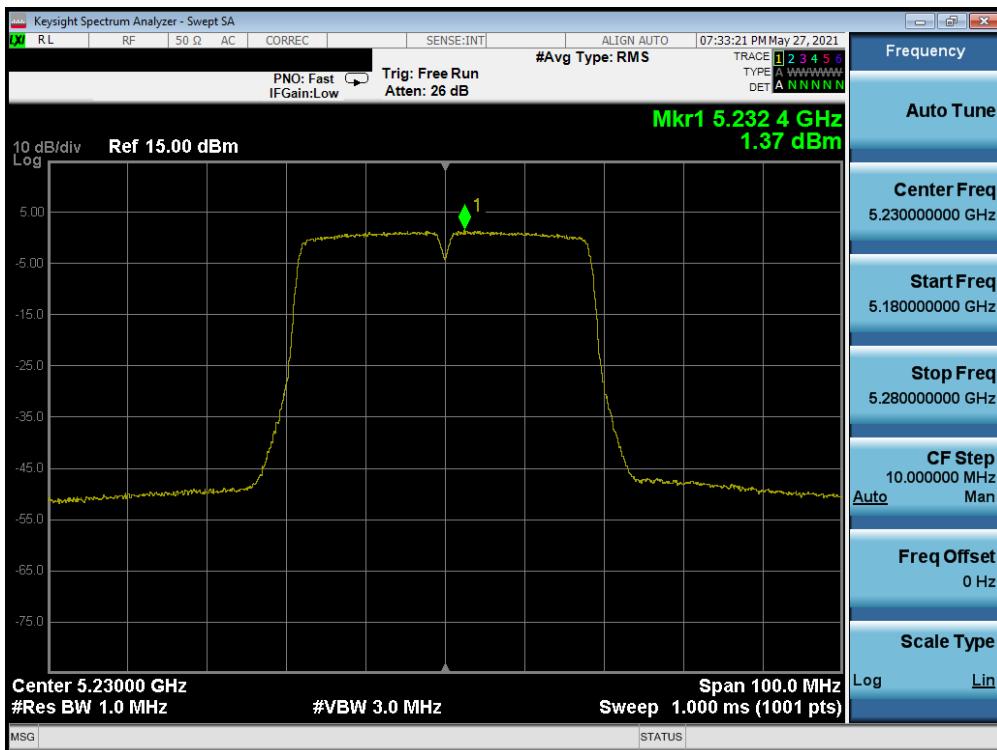


Plot 7-219. Power Spectral Density Plot SISO NORTH (20MHz BW 802.11ax (UNII Band 1) – Ch. 48)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 143 of 336

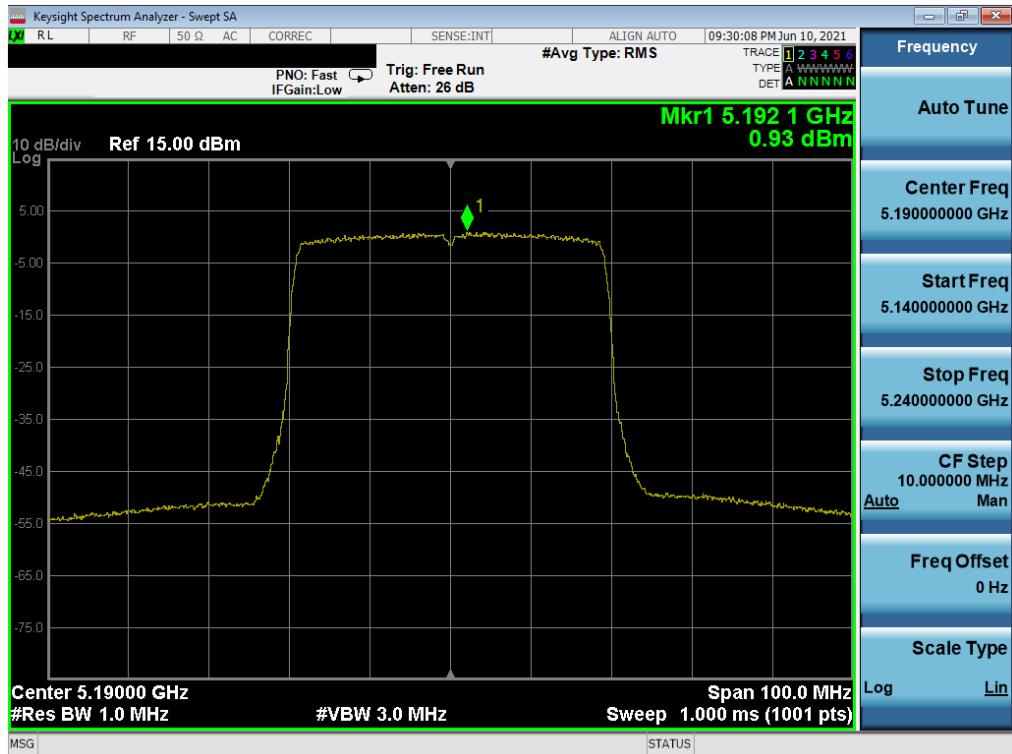


Plot 7-220. Power Spectral Density Plot SISO NORTH (40MHz BW 802.11n (UNII Band 1) – Ch. 38)

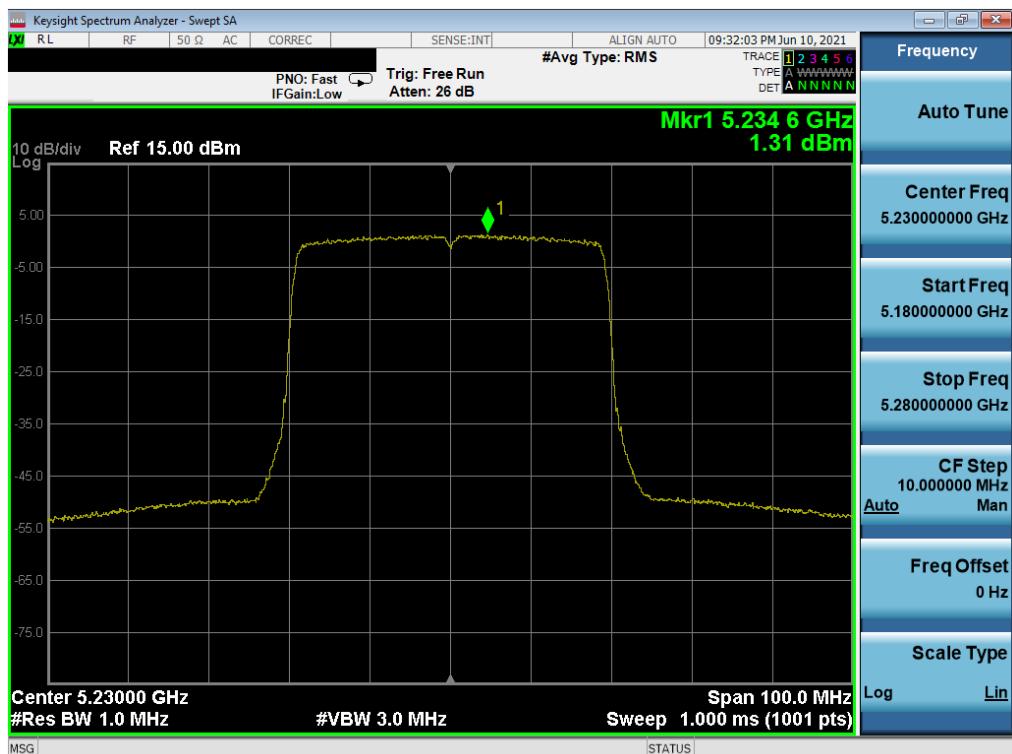


Plot 7-221. Power Spectral Density Plot SISO NORTH (40MHz BW 802.11n (UNII Band 1) – Ch. 46)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 144 of 336

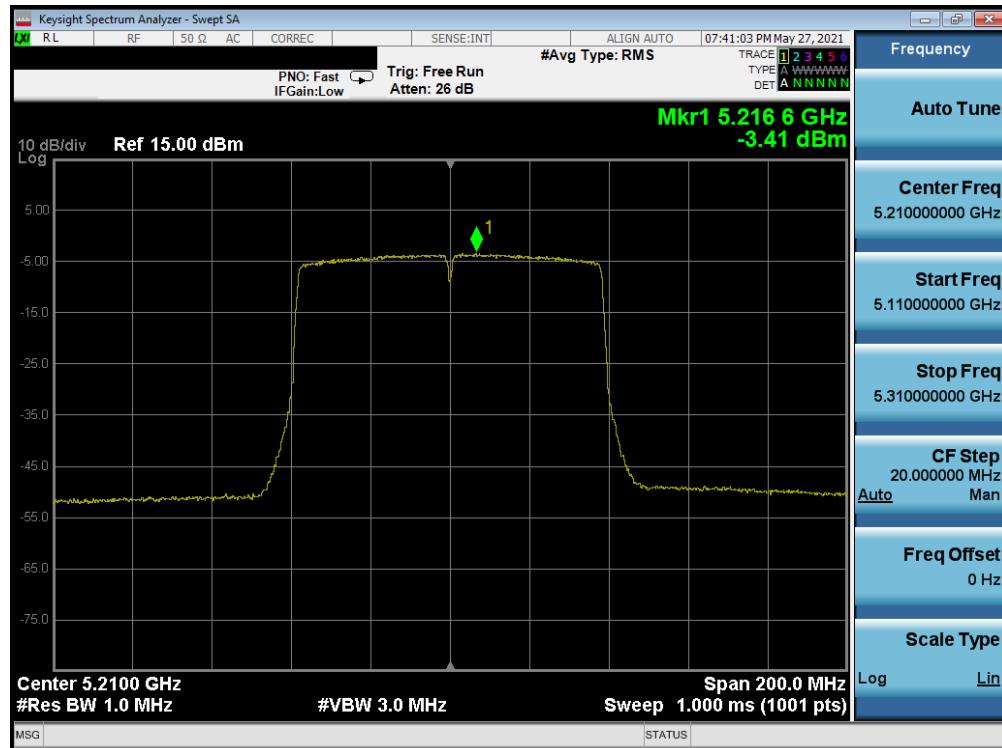


Plot 7-222. Power Spectral Density Plot SISO NORTH (40MHz BW 802.11ax (UNII Band 1) – Ch. 38)



Plot 7-223. Power Spectral Density Plot SISO NORTH (40MHz BW 802.11ax (UNII Band 1) – Ch. 46)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 145 of 336

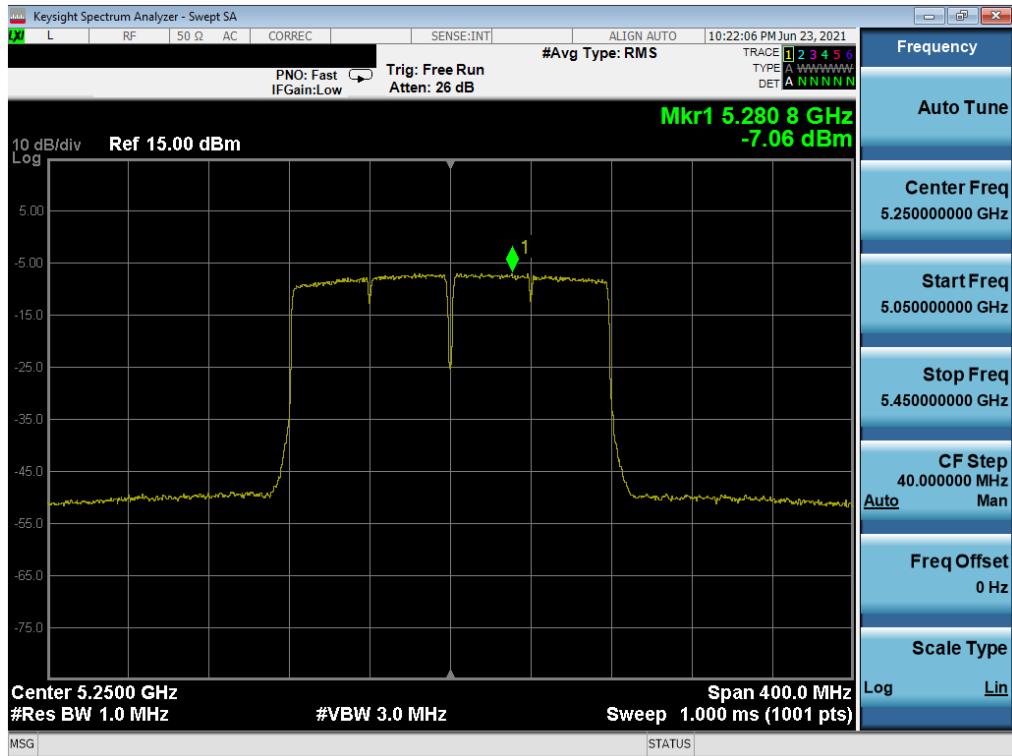


Plot 7-224. Power Spectral Density Plot SISO NORTH (80MHz BW 802.11ac (UNII Band 1) – Ch. 42)

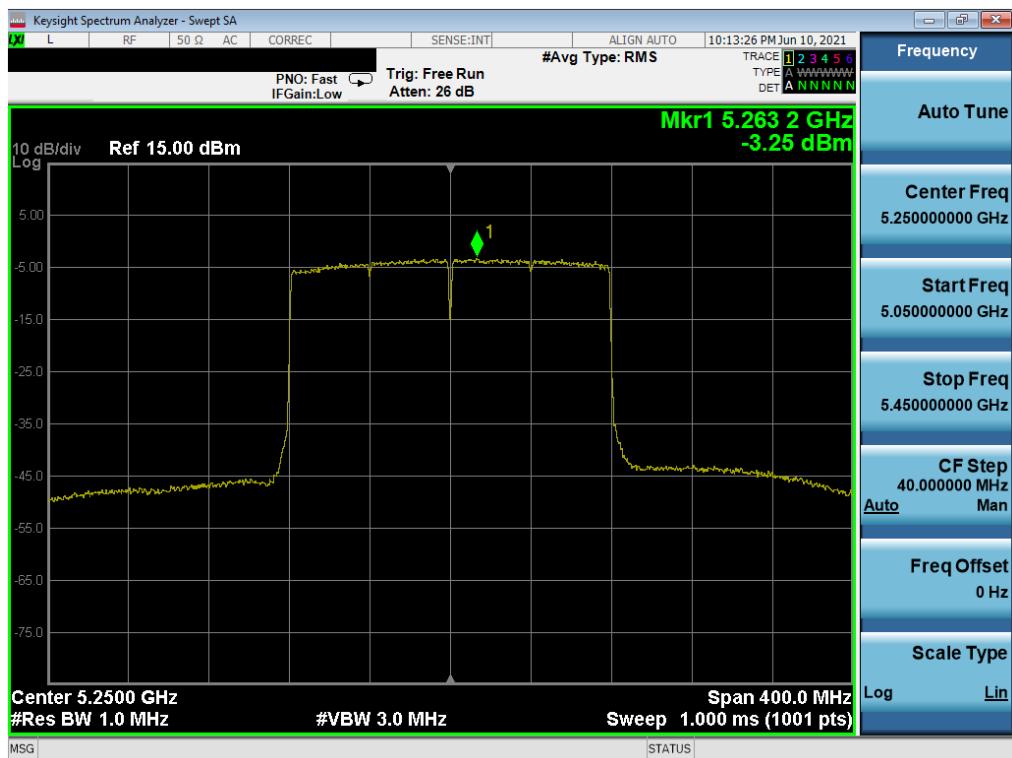


Plot 7-225. Power Spectral Density Plot SISO NORTH (80MHz BW 802.11ax (UNII Band 1) – Ch. 42)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 146 of 336

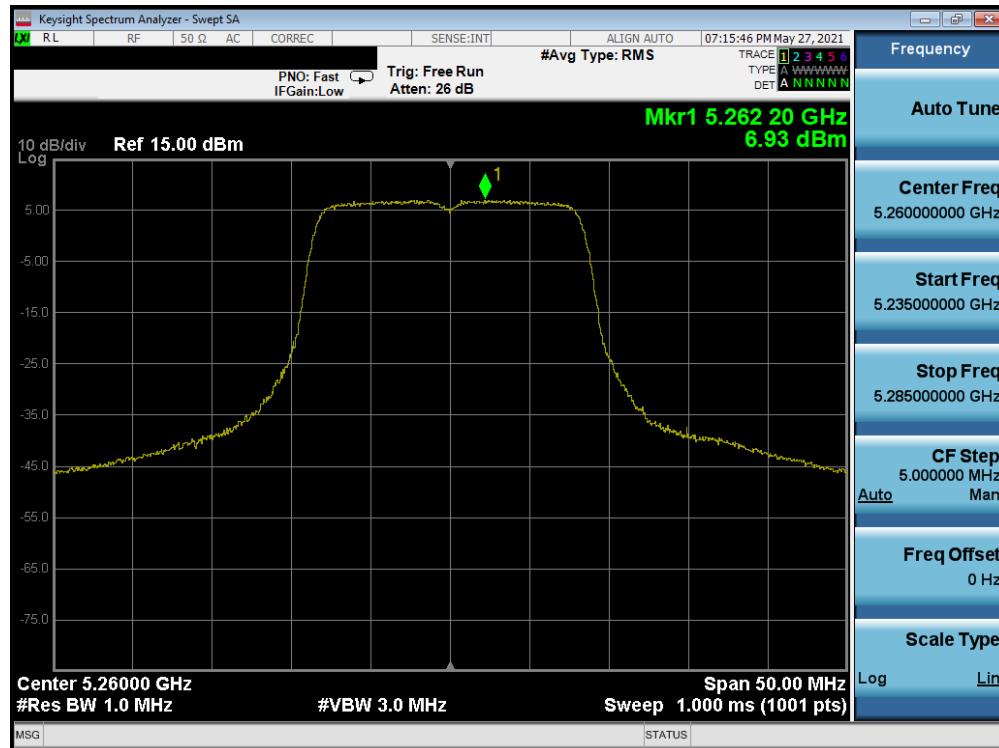


Plot 7-226. Power Spectral Density Plot SISO NORTH (160MHz BW 802.11ac (UNII Band 1/2A) – Ch. 50)

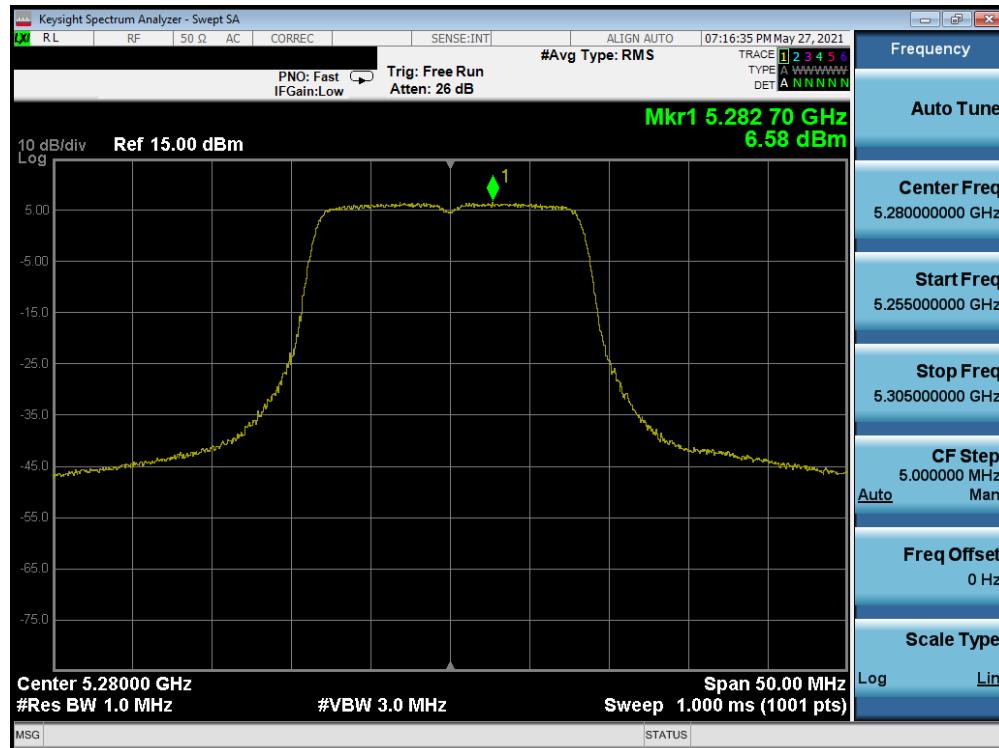


Plot 7-227. Power Spectral Density Plot SISO NORTH (160MHz BW 802.11ax (UNII Band 1/2A) – Ch. 50)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 147 of 336

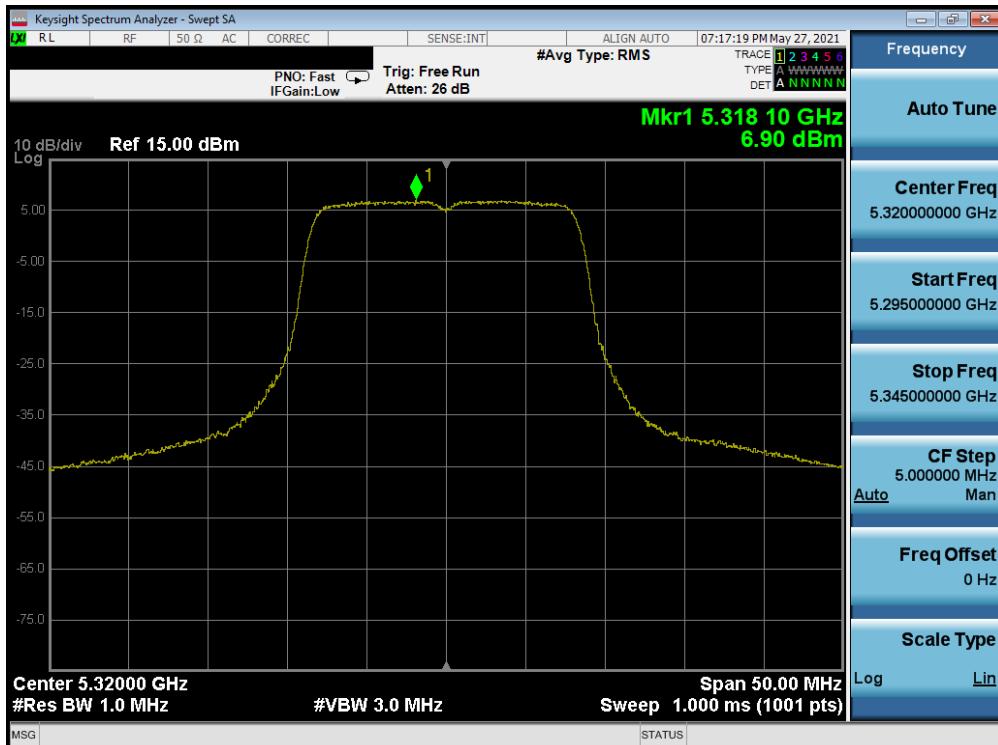


Plot 7-228. Power Spectral Density Plot SISO NORTH (802.11a (UNII Band 2A) – Ch. 52)

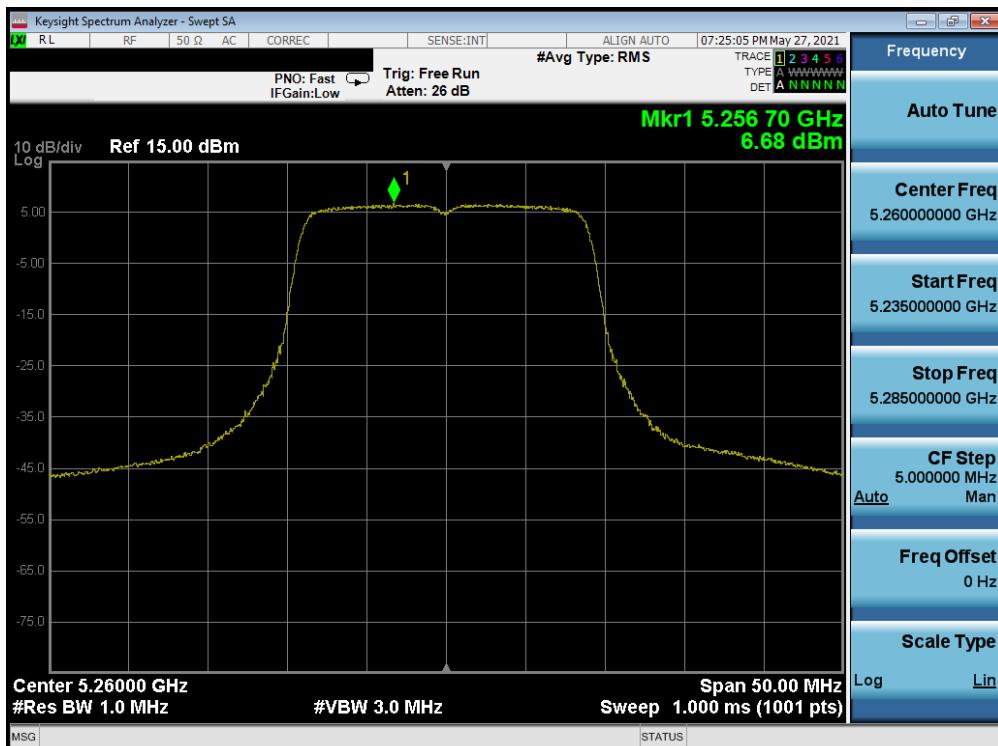


Plot 7-229. Power Spectral Density Plot SISO NORTH (802.11a (UNII Band 2A) – Ch. 56)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 148 of 336

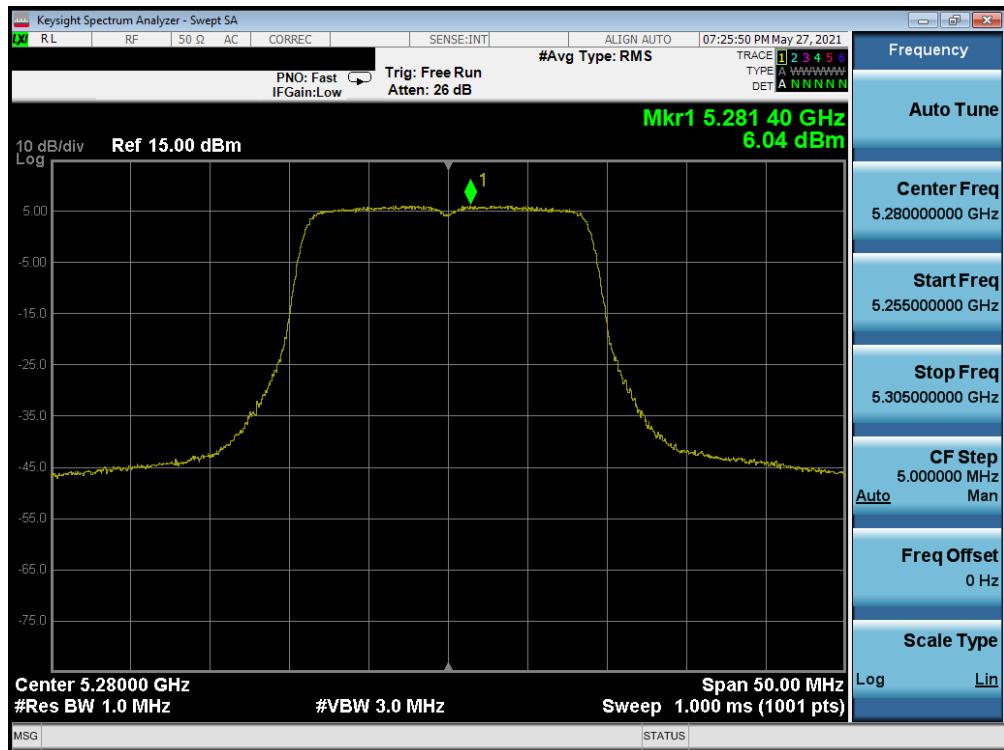


Plot 7-230. Power Spectral Density Plot SISO NORTH (802.11a (UNII Band 2A) – Ch. 64)

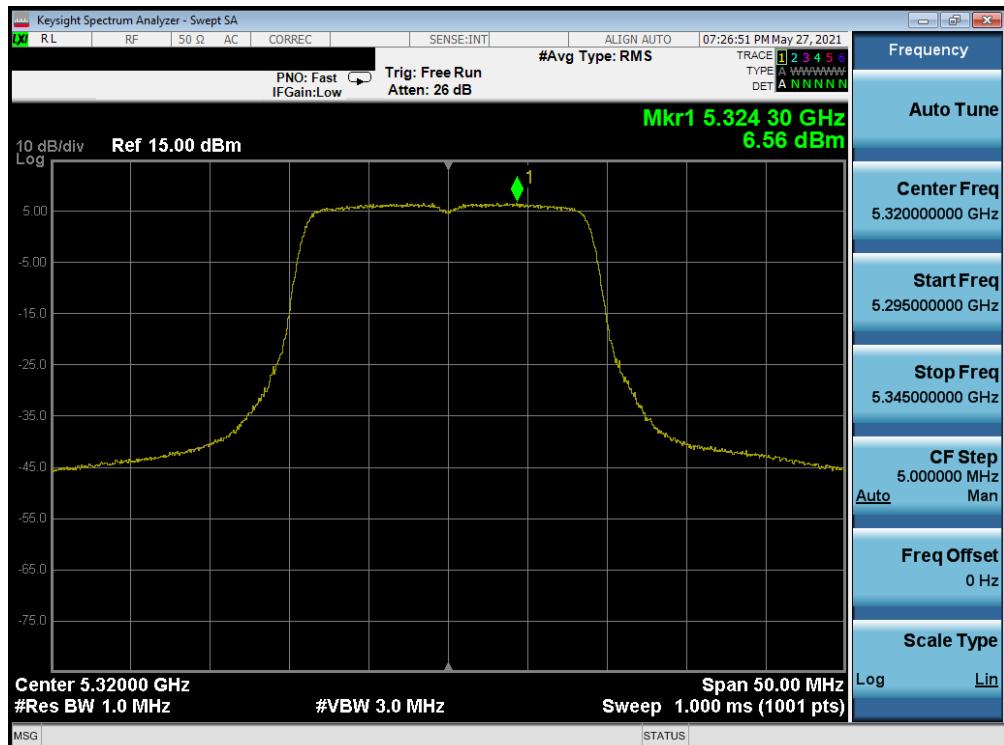


Plot 7-231. Power Spectral Density Plot SISO NORTH (20MHz BW 802.11n (UNII Band 2A) – Ch. 52)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 149 of 336

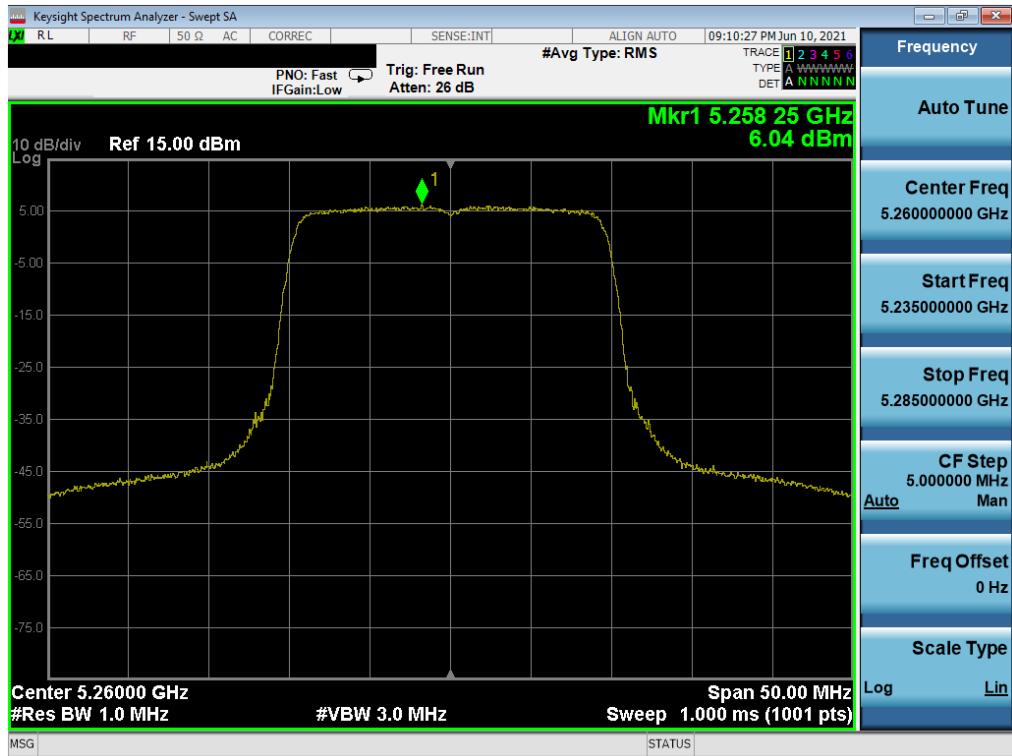


Plot 7-232. Power Spectral Density Plot SISO NORTH (20MHz BW 802.11n (UNII Band 2A) – Ch. 56)

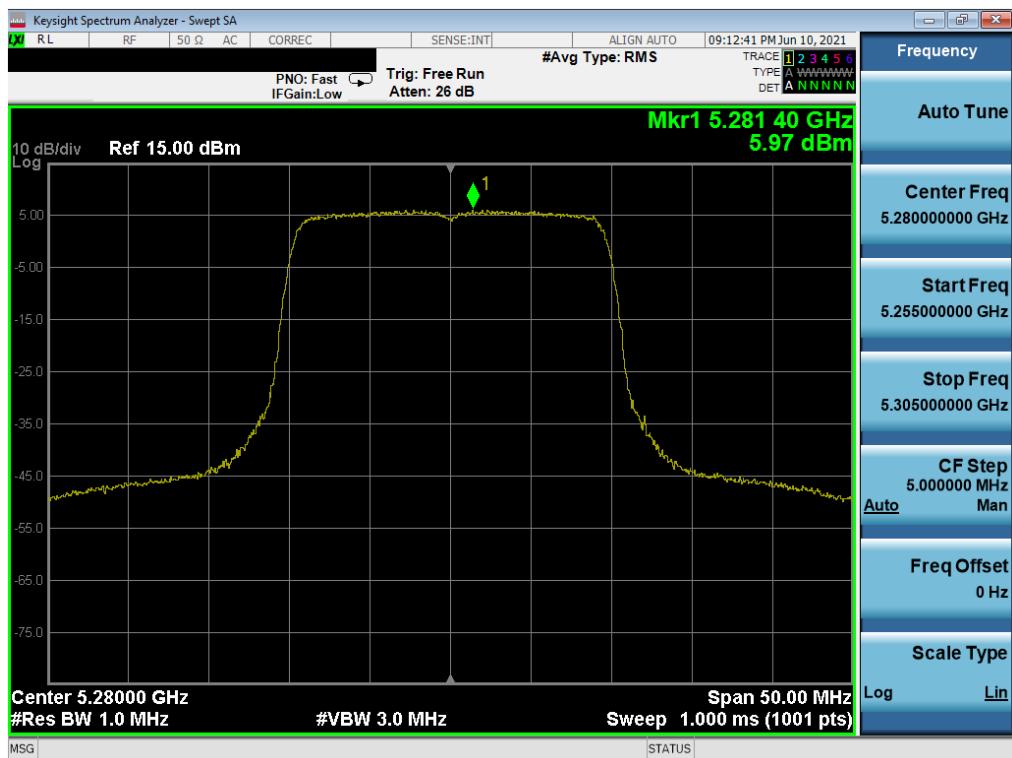


Plot 7-233. Power Spectral Density Plot SISO NORTH (20MHz BW 802.11n (UNII Band 2A) – Ch. 64)

FCC ID: C3K1995 IC: 3048A-1995	 Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 150 of 336

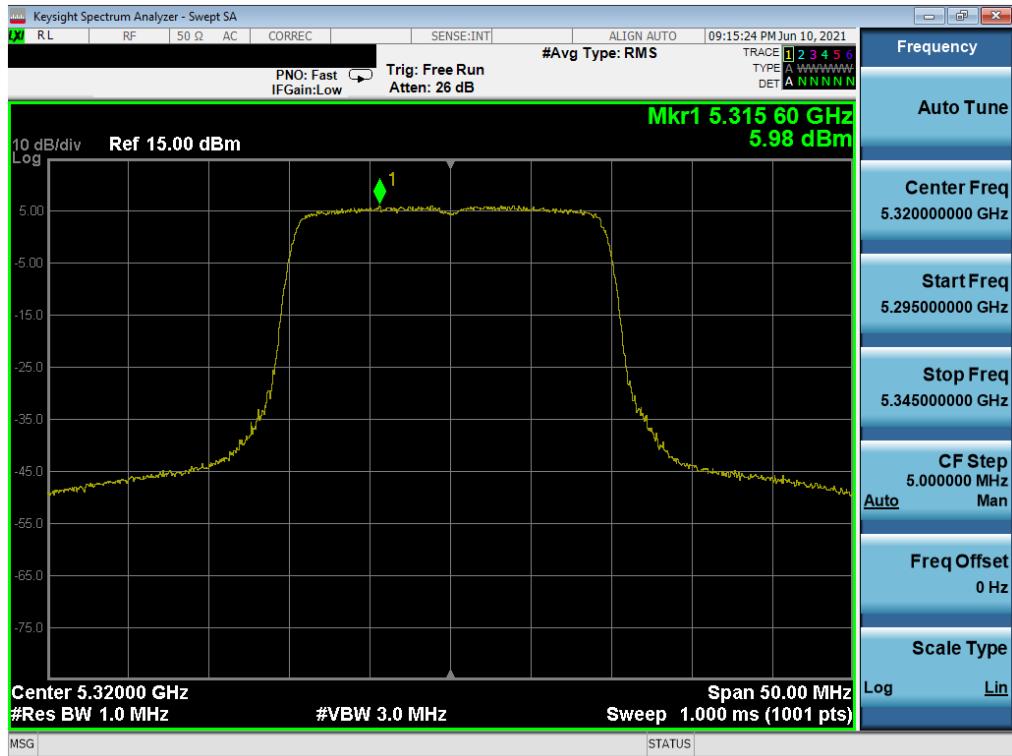


Plot 7-234. Power Spectral Density Plot SISO NORTH (20MHz BW 802.11ax (UNII Band 2A) – Ch. 52)

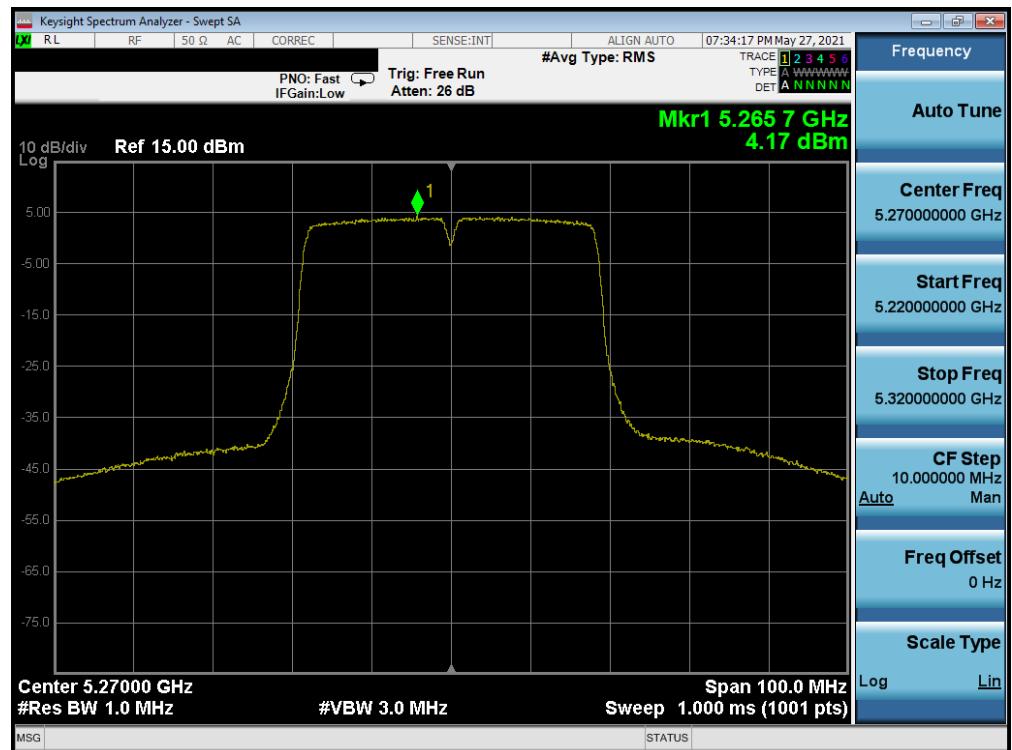


Plot 7-235. Power Spectral Density Plot SISO NORTH (20MHz BW 802.11ax (UNII Band 2A) – Ch. 56)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 151 of 336

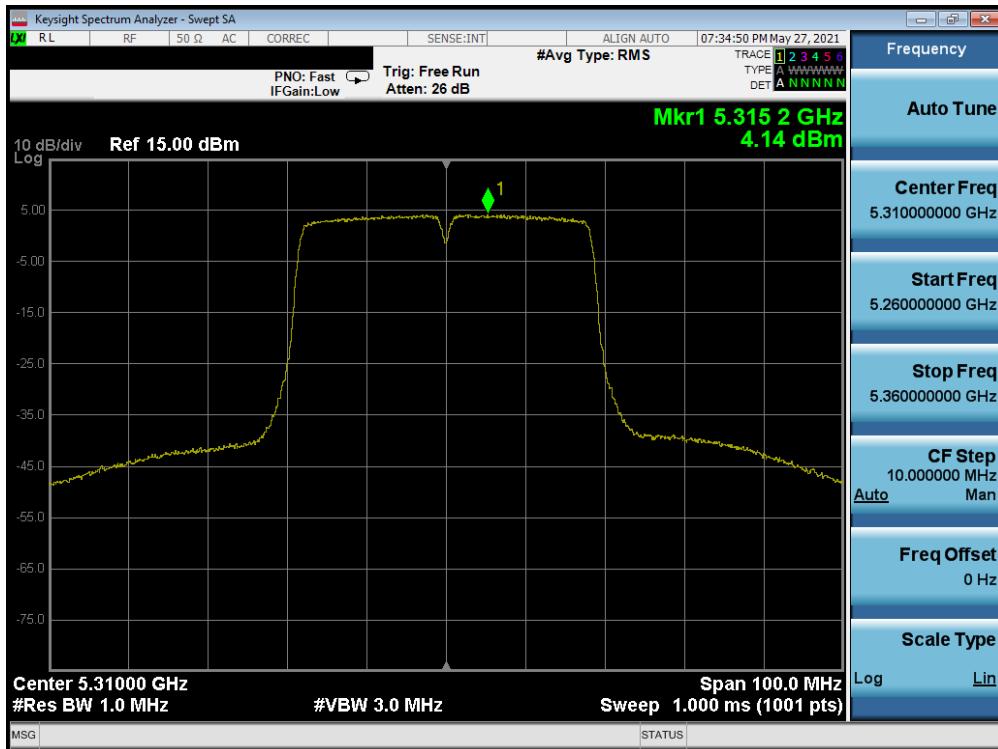


Plot 7-236. Power Spectral Density Plot SISO NORTH (20MHz BW 802.11ax (UNII Band 2A) – Ch. 64)

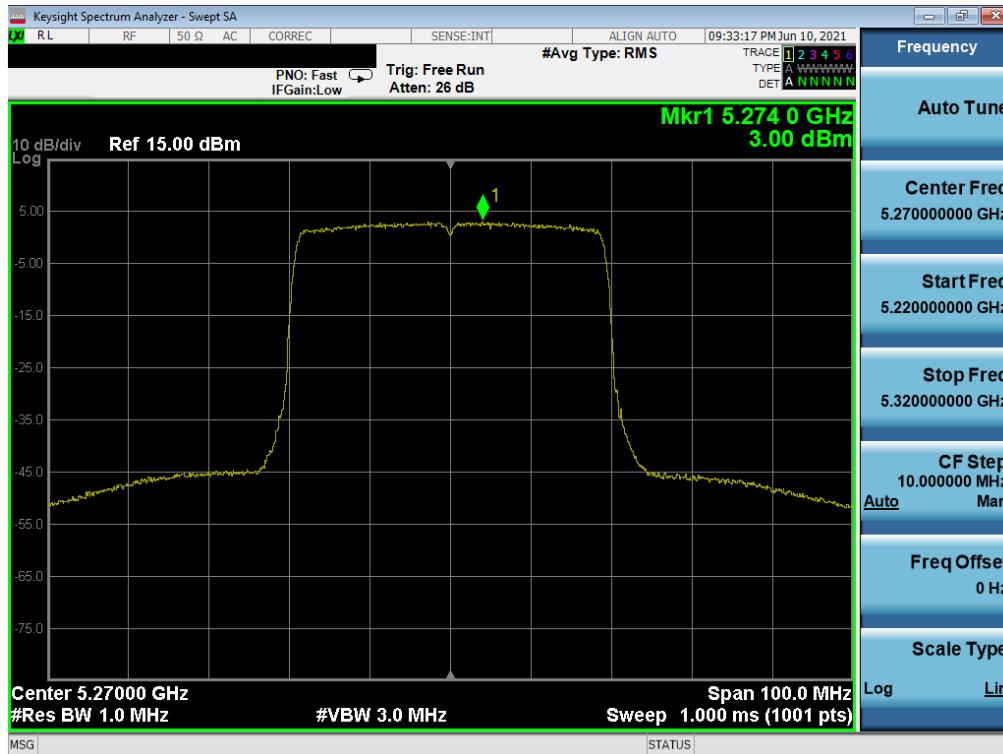


Plot 7-237. Power Spectral Density Plot SISO NORTH (40MHz BW 802.11n (UNII Band 2A) – Ch. 54)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 152 of 336

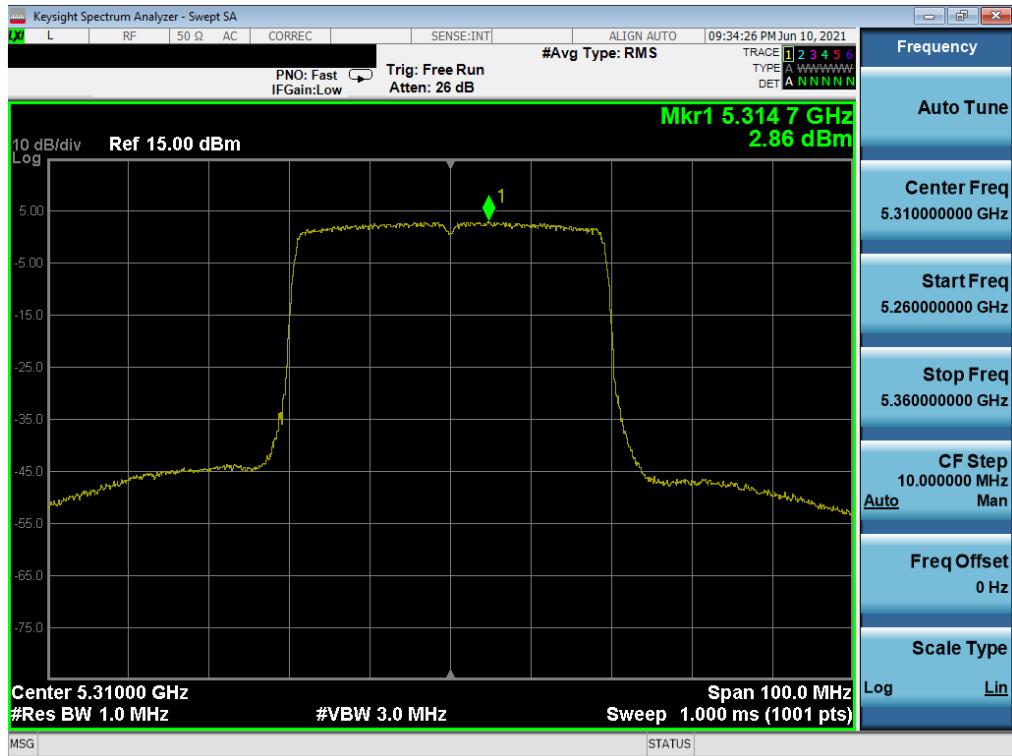


Plot 7-238. Power Spectral Density Plot SISO NORTH (40MHz BW 802.11n (UNII Band 2A) – Ch. 62)

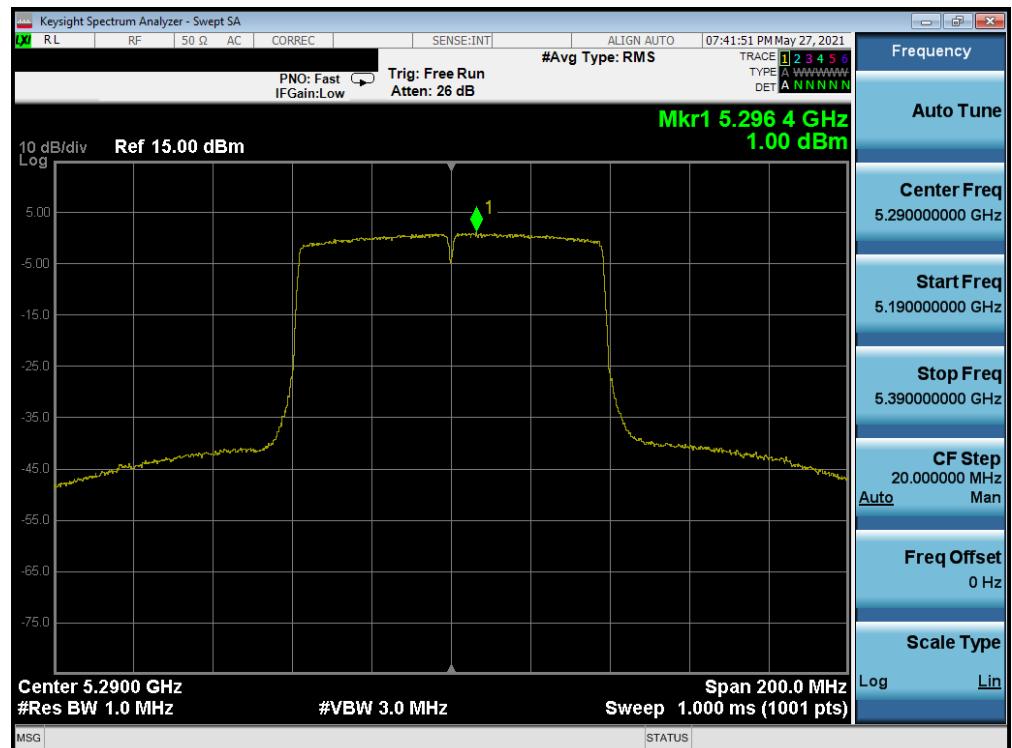


Plot 7-239. Power Spectral Density Plot SISO NORTH (40MHz BW 802.11ax (UNII Band 2A) – Ch. 54)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset	Page 153 of 336



Plot 7-240. Power Spectral Density Plot SISO NORTH (40MHz BW 802.11ax (UNII Band 2A) – Ch. 62)

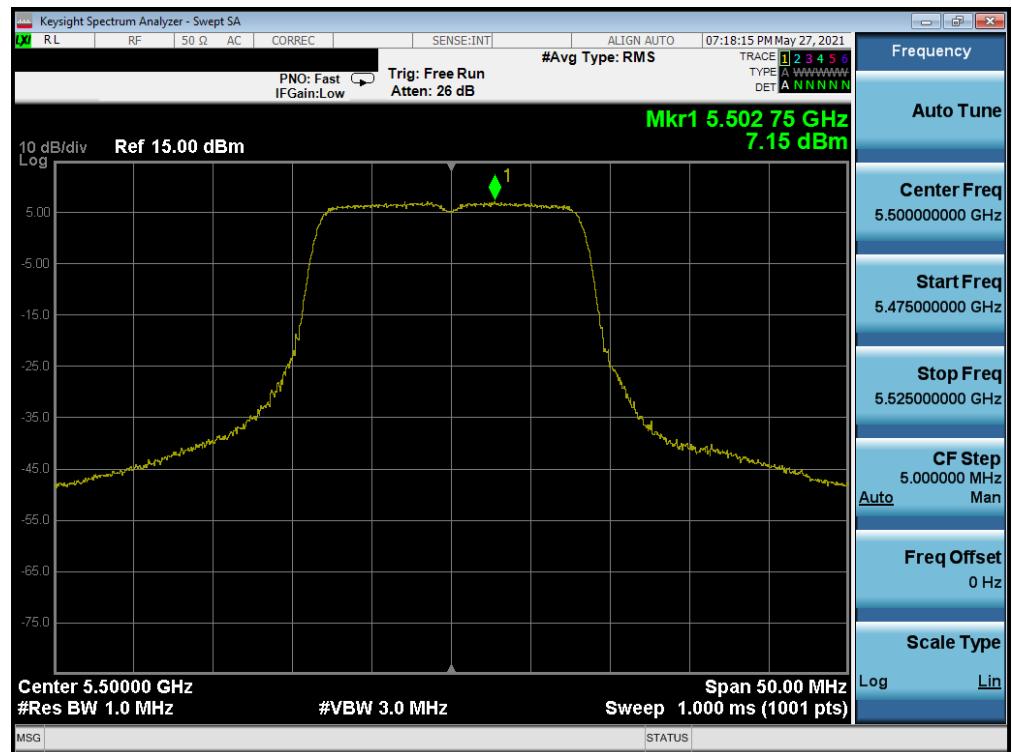


Plot 7-241. Power Spectral Density Plot SISO NORTH (80MHz BW 802.11ac (UNII Band 2A) – Ch. 58)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 154 of 336

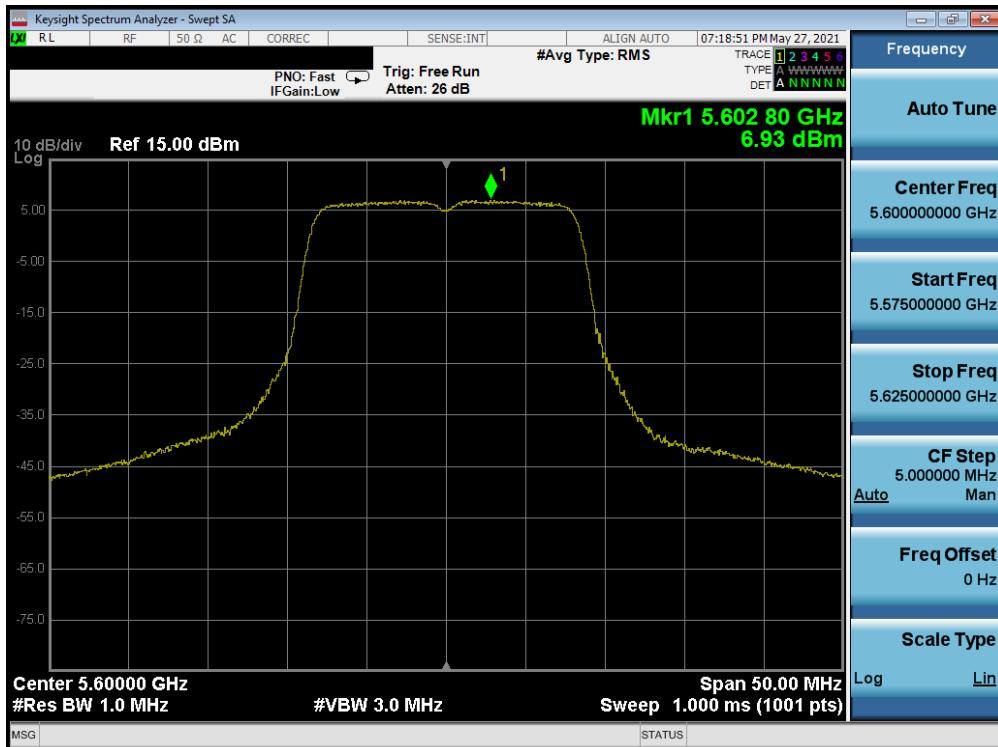


Plot 7-242. Power Spectral Density Plot SISO NORTH (80MHz BW 802.11ax (UNII Band 2A) – Ch. 58)

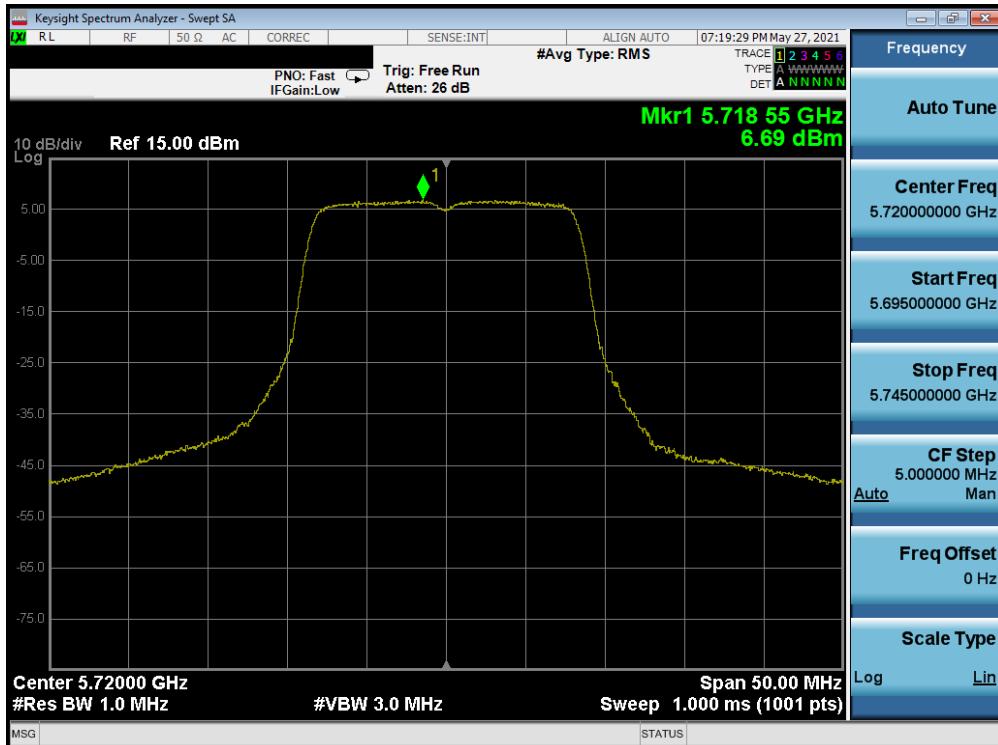


Plot 7-243. Power Spectral Density Plot SISO NORTH (802.11a (UNII Band 2C) – Ch. 100)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 155 of 336

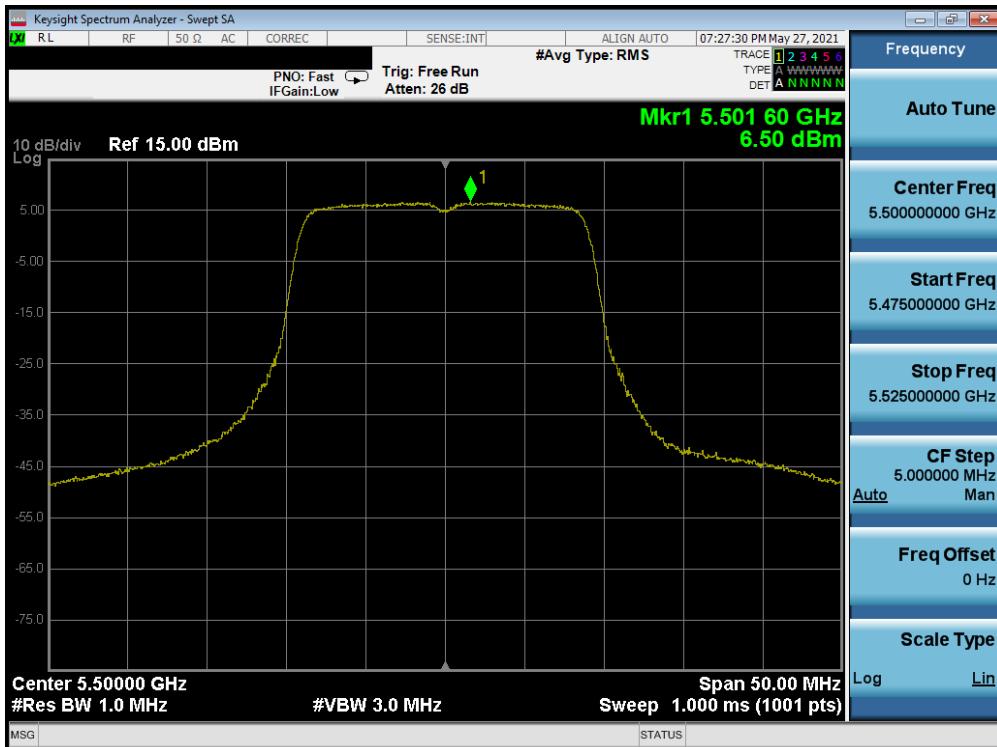


Plot 7-244. Power Spectral Density Plot SISO NORTH (802.11a (UNII Band 2C) – Ch. 120)

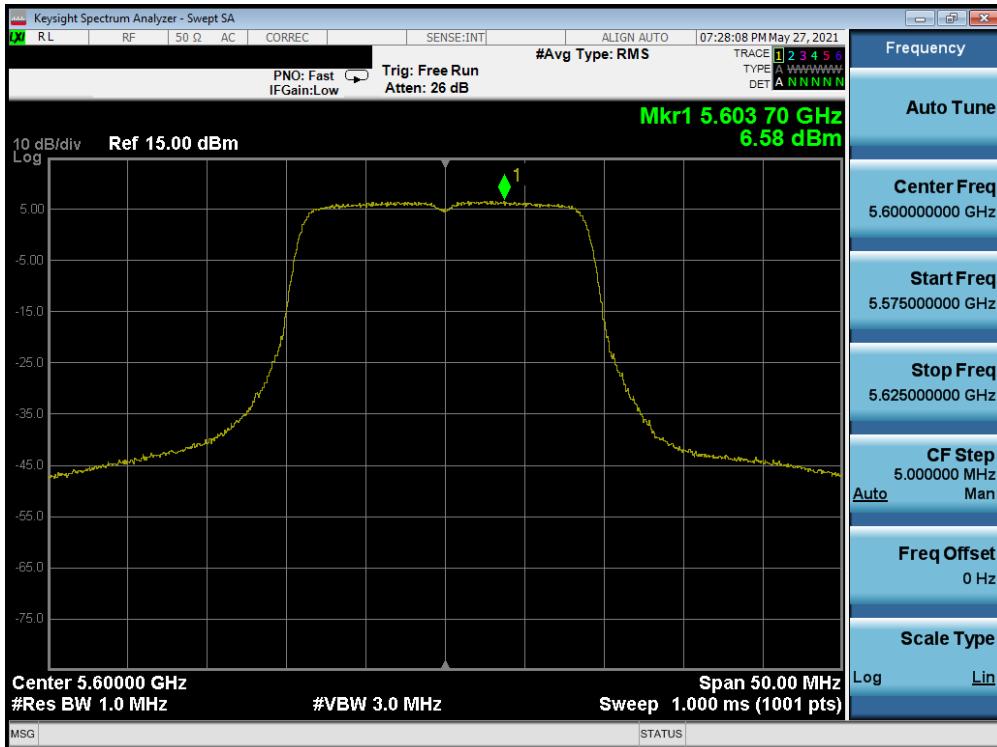


Plot 7-245. Power Spectral Density Plot SISO NORTH (802.11a (UNII Band 2C) – Ch. 144)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 156 of 336

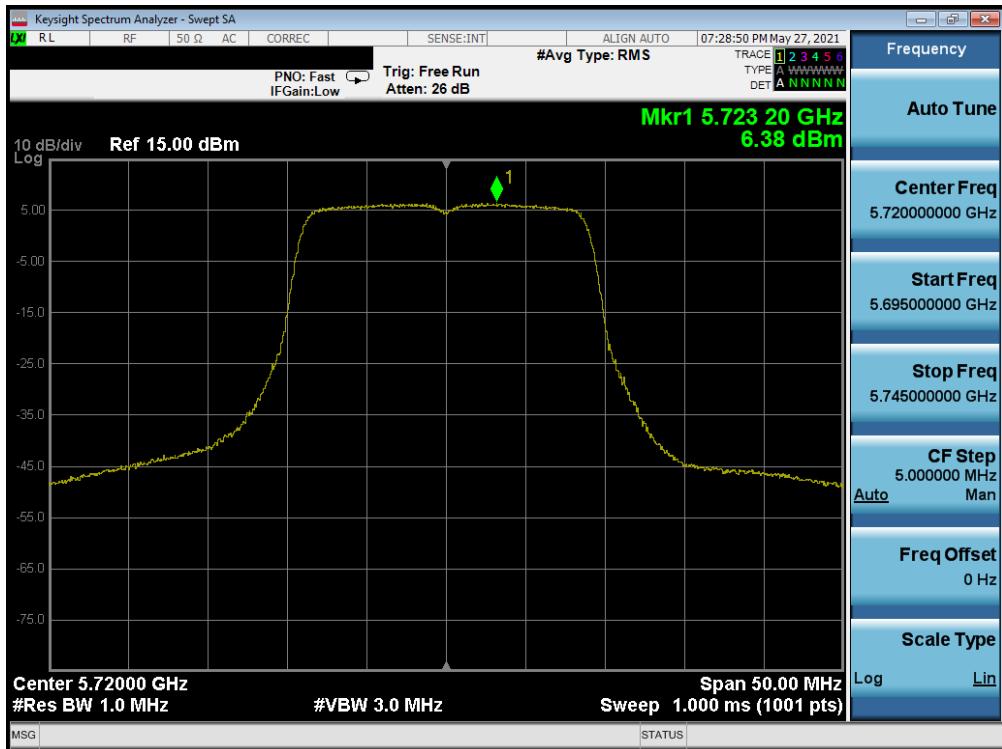


Plot 7-246. Power Spectral Density Plot SISO NORTH (20MHz BW 802.11n (UNII Band 2C) – Ch. 100)

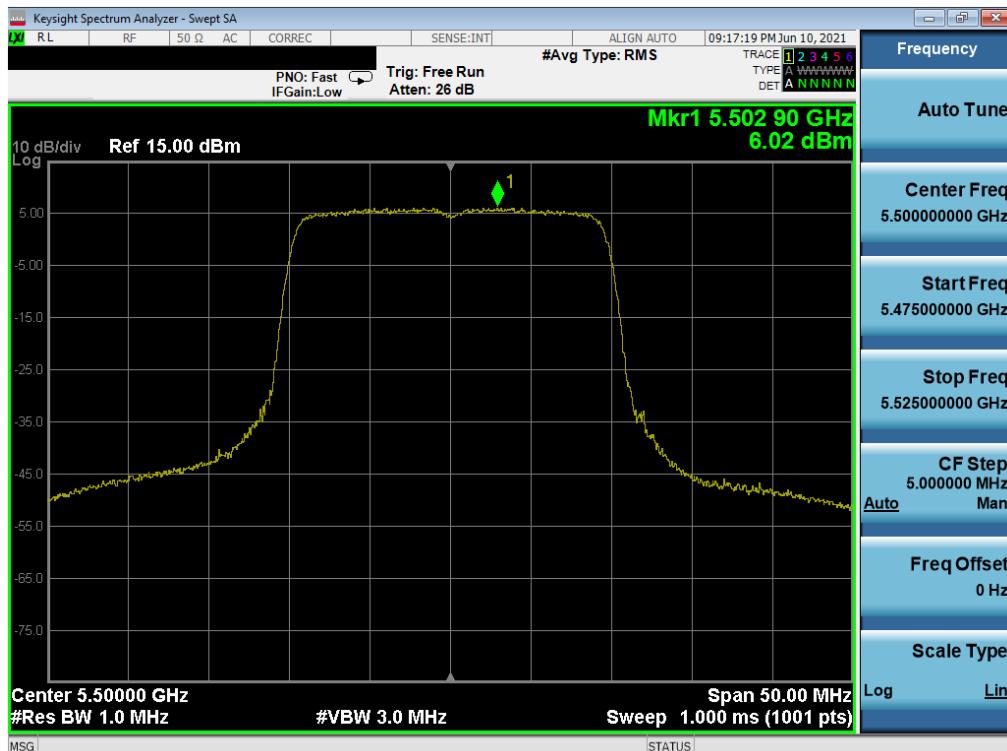


Plot 7-247. Power Spectral Density Plot SISO NORTH (20MHz BW 802.11n (UNII Band 2C) – Ch. 120)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 157 of 336



Plot 7-248. Power Spectral Density Plot SISO NORTH (20MHz BW 802.11n (UNII Band 2C) – Ch. 144)



Plot 7-249. Power Spectral Density Plot SISO NORTH (20MHz BW 802.11ax (UNII Band 2C) – Ch. 100)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Microsoft	Approved by: Technical Manager
Test Report S/N: 1M2105060048-14.C3K	Test Dates: 05/20/2021 - 09/08/2021	EUT Type: Portable Handset		Page 158 of 336