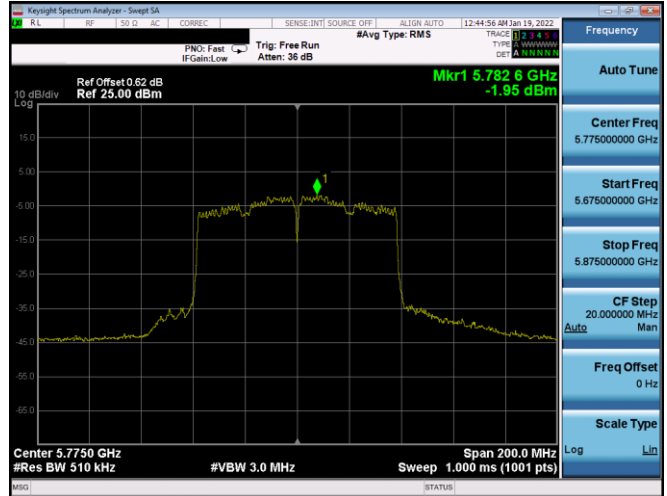
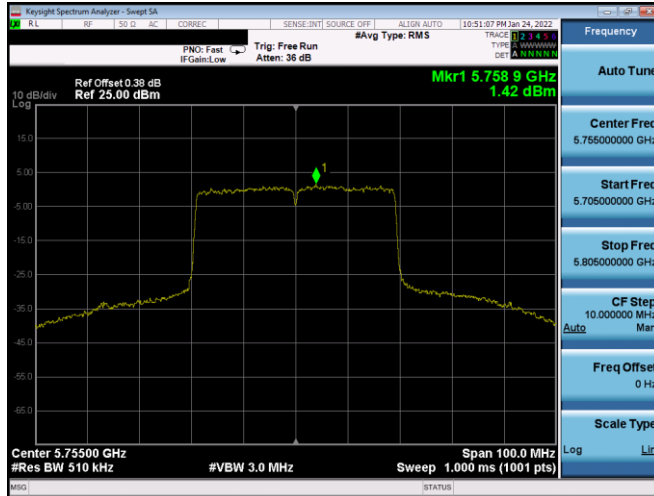


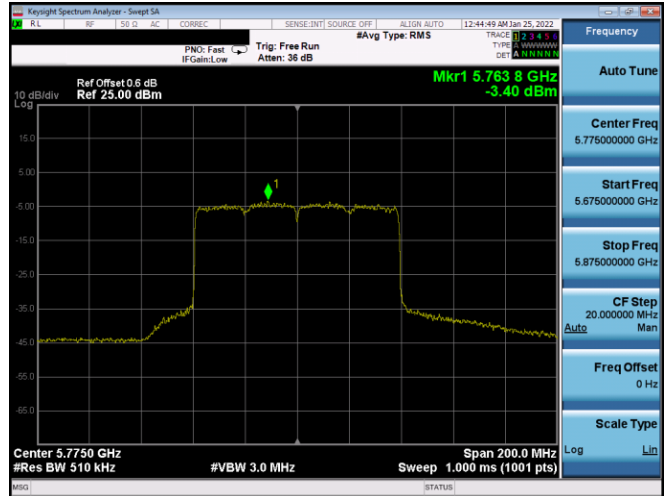
Plot 7-613. PSD CDD Primary Antenna 2B (40MHz BW 802.11ax(SU) - Ch. 151, MCS3)



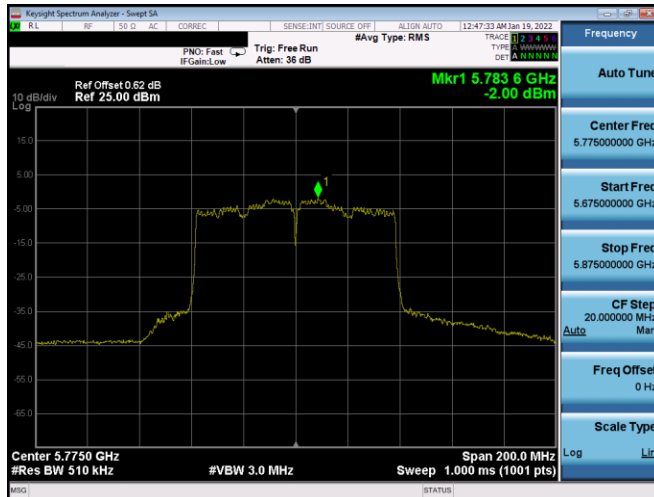
Plot 7-616. PSD CDD Primary Antenna 1B (80MHz BW 802.11ac - Ch. 155, MCS3)



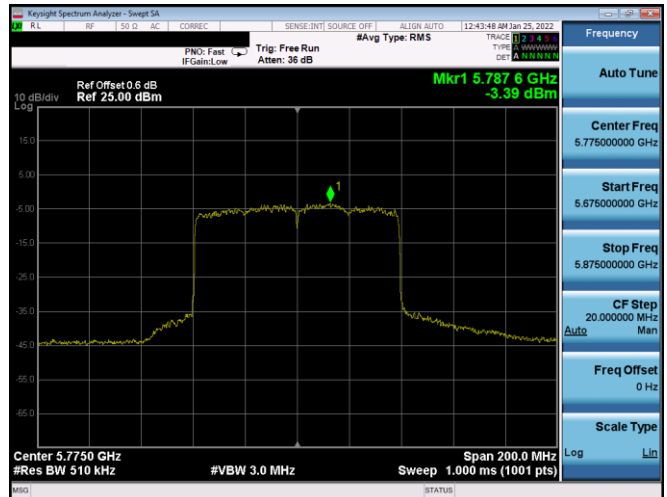
Plot 7-614. PSD CDD Primary Antenna 1B (40MHz BW 802.11ax(SU) - Ch. 151, MCS3)



Plot 7-617. PSD CDD Primary Antenna 2B (80MHz BW 802.11ax(SU) - Ch. 155, MCS3)



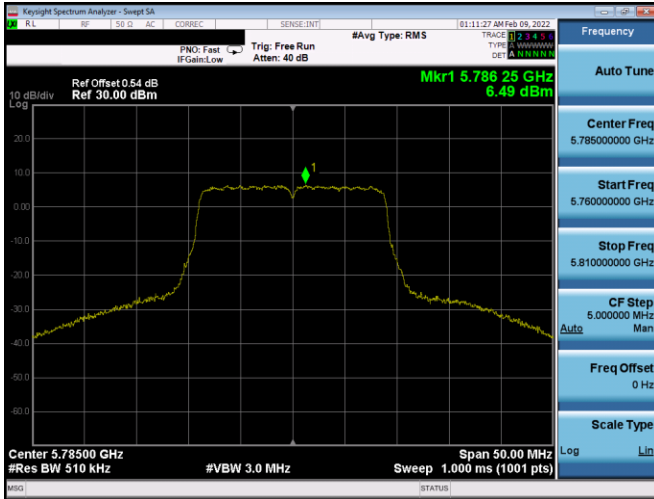
Plot 7-615. PSD CDD Primary Antenna 2B (80MHz BW 802.11ac - Ch. 155, MCS3)



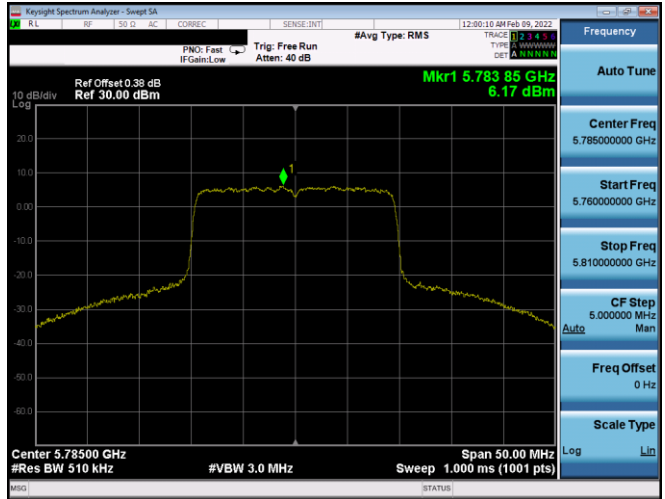
Plot 7-618. PSD CDD Primary Antenna 1B (80MHz BW 802.11ax(SU) - Ch. 155, MCS3)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 210 of 564

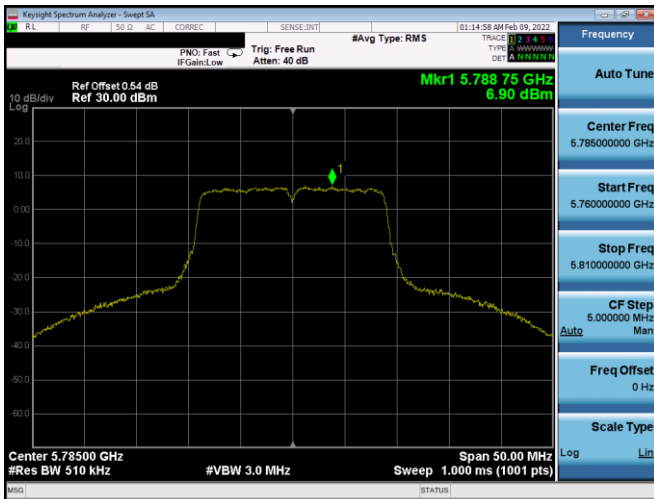
High Data Rate



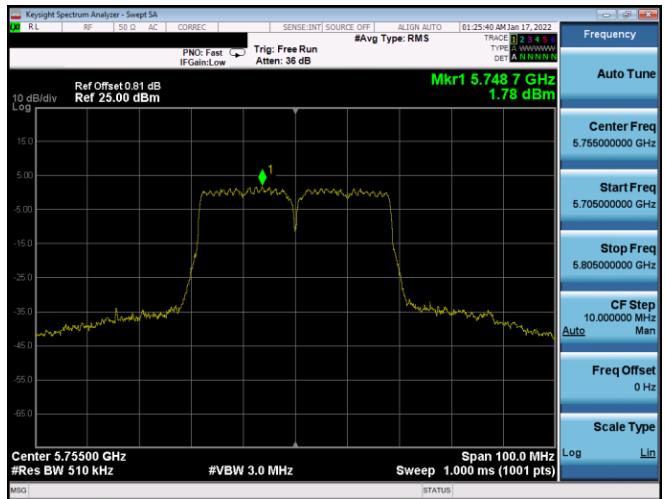
Plot 7-619. PSD CDD Primary Antenna 2B (20MHz BW 802.11n - Ch. 157, MCS13)



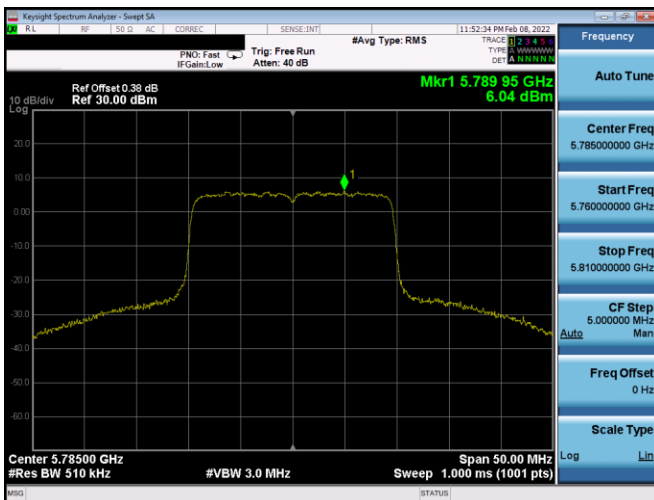
Plot 7-622. PSD CDD Primary Antenna 1B (20MHz BW 802.11ax(SU) - Ch. 157, MCS5)



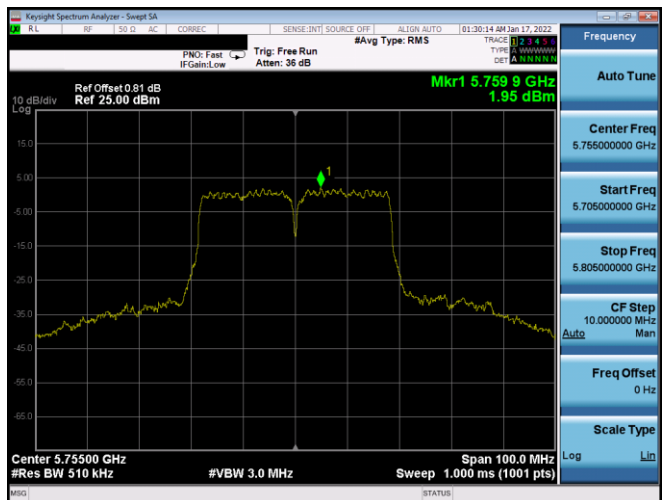
Plot 7-620. PSD CDD Primary Antenna 1B (20MHz BW 802.11n - Ch. 157, MCS13)



Plot 7-623. PSD CDD Primary Antenna 2B (40MHz BW 802.11n - Ch. 151, MCS13)

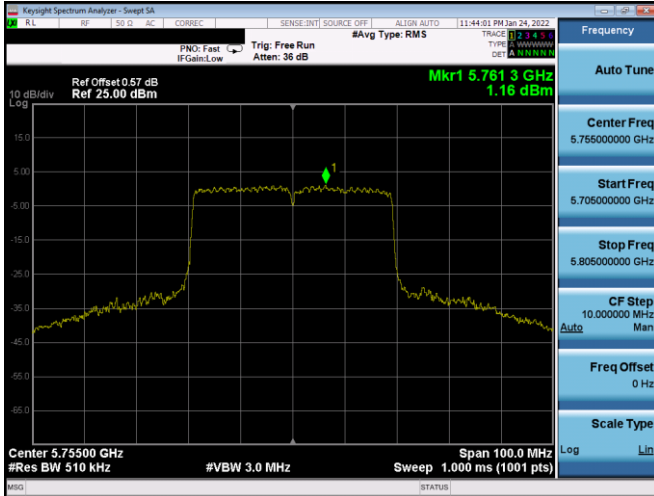


Plot 7-621. PSD CDD Primary Antenna 2B (20MHz BW 802.11ax(SU) - Ch. 157, MCS5)

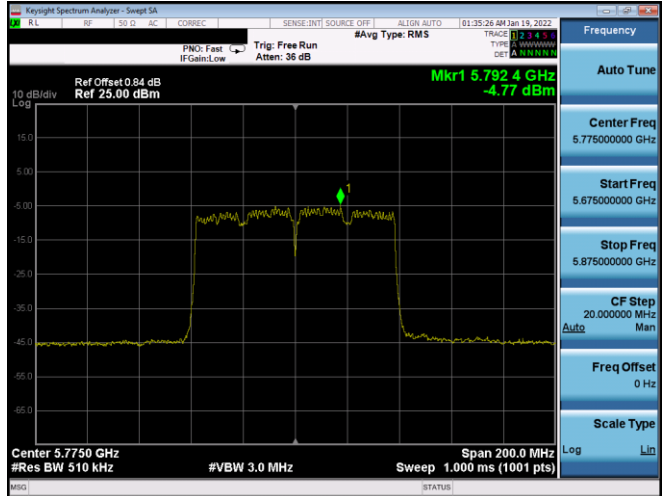


Plot 7-624. PSD CDD Primary Antenna 1B (40MHz BW 802.11n - Ch. 151, MCS13)

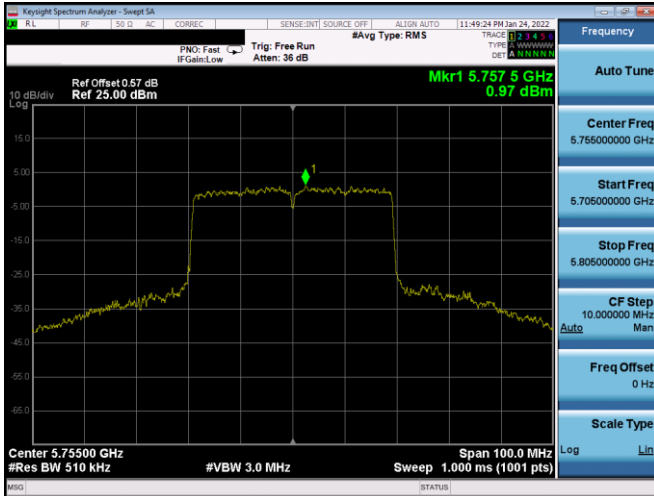
FCC ID: BCGA2589 IC: 579C-A2589	 <p>PCTEST® Proud to be part of element</p>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 211 of 564



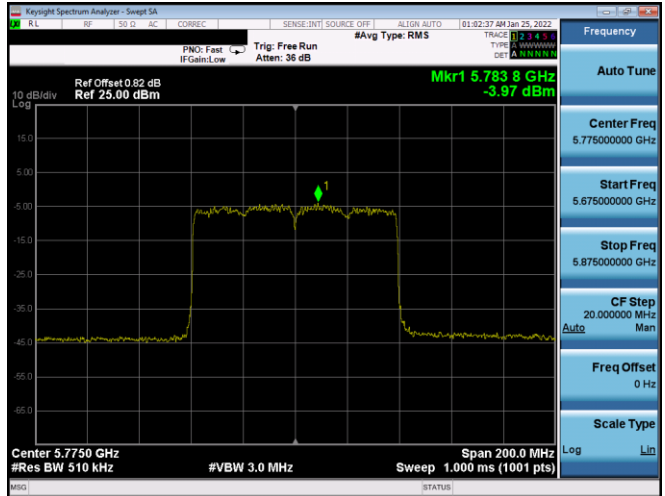
Plot 7-625. PSD CDD Primary Antenna 2B (40MHz BW 802.11ax(SU) - Ch. 151, MCS5)



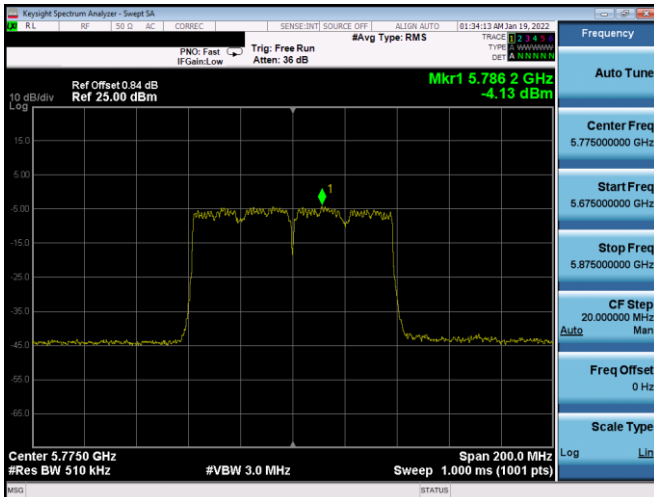
Plot 7-628. PSD CDD Primary Antenna 1B (80MHz BW 802.11ac - Ch. 155, MCS5)



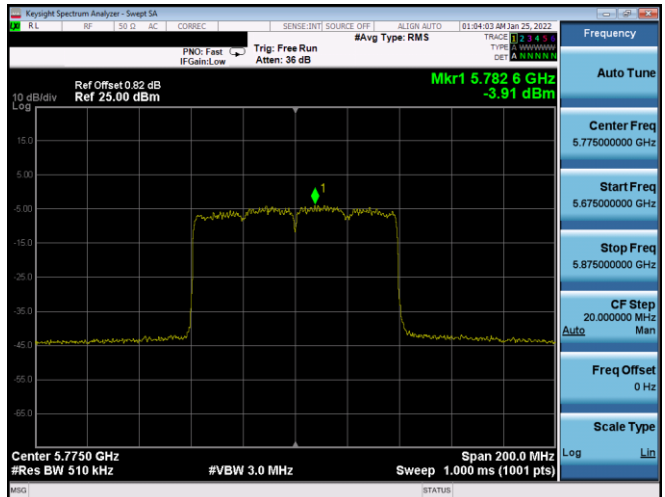
Plot 7-626. PSD CDD Primary Antenna 1B (40MHz BW 802.11ax(SU) - Ch. 151, MCS5)



Plot 7-629. PSD CDD Primary Antenna 2B (80MHz BW 802.11ax(SU) - Ch. 155, MCS5)



Plot 7-627. PSD CDD Primary Antenna 2B (80MHz BW 802.11ac - Ch. 155, MCS5)



Plot 7-630. PSD CDD Primary Antenna 1B (80MHz BW 802.11ax(SU) - Ch. 155, MCS5)

<p>FCC ID: BCGA2589 IC: 579C-A2589</p>		<p>MEASUREMENT REPORT (CERTIFICATION)</p>	<p>Approved by: Technical Manager</p>
<p>Test Report S/N: 1C2111150079-14.BCG</p>	<p>Test Dates: 12/02/2021 - 02/10/2022</p>	<p>EUT Type: Tablet Device</p>	<p>Page 212 of 564</p>

	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate [Mbps]	Antenna 2B Power Density [dBm/MHz]	Antenna 1B Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Directional Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	SDM	13/14.4 (MCS8)	1.33	0.84	4.10	-0.57	3.53	10.0	-6.47
	5200	40	n (20MHz)	SDM	13/14.4 (MCS8)	2.16	1.66	4.93	-0.57	4.36	10.0	-5.64
	5240	48	n (20MHz)	SDM	13/14.4 (MCS8)	2.09	1.83	4.97	-0.57	4.40	10.0	-5.60
	5180	36	ax (SU) (20MHz)	SDM	16/17.2 (MCS0)	0.96	0.54	3.76	-0.57	3.19	10.0	-6.81
	5200	40	ax (SU) (20MHz)	SDM	16/17.2 (MCS0)	1.30	1.08	4.20	-0.57	3.63	10.0	-6.37
	5240	48	ax (SU) (20MHz)	SDM	16/17.2 (MCS0)	1.87	1.47	4.68	-0.57	4.11	10.0	-5.89
	5190	38	n (40MHz)	SDM	27/30 (MCS8)	1.68	0.88	4.31	-0.57	3.74	10.0	-6.26
	5230	46	n (40MHz)	SDM	27/30 (MCS8)	3.80	3.63	6.73	-0.57	6.15	10.0	-3.85
	5190	38	ax (SU) (40MHz)	SDM	32/34.4 (MCS0)	-0.73	-1.26	2.02	-0.57	1.45	10.0	-8.55
	5230	46	ax (SU) (40MHz)	SDM	32/34.4 (MCS0)	2.40	1.83	5.13	-0.57	4.56	10.0	-5.44
	5210	42	ac (80MHz)	SDM	58.5/65 (MCS0)	-1.56	-1.65	1.41	-0.57	0.83	10.0	-9.17
	5210	42	ax (SU) (80MHz)	CDD	68/72.1 (MCS0)	-4.48	-4.99	-1.72	2.42	0.71	10.0	-9.29

Table 7-191. ISED Band 1 e.i.r.p. Power Spectral Density Measurements CDD/SDM Primary (Low Data Rate)

	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate [Mbps]	Antenna 2B Power Density [dBm/MHz]	Antenna 1B Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Directional Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	SDM	52/57.8 (MCS11)	2.79	1.77	5.32	-0.57	4.75	10.0	-5.25
	5200	40	n (20MHz)	SDM	52/57.8 (MCS11)	2.10	1.85	4.99	-0.57	4.42	10.0	-5.58
	5240	48	n (20MHz)	SDM	52/57.8 (MCS11)	2.57	1.59	5.12	-0.57	4.55	10.0	-5.45
	5180	36	ax (SU) (20MHz)	SDM	66/68.8 (MCS3)	0.95	1.18	4.08	-0.57	3.51	10.0	-6.49
	5200	40	ax (SU) (20MHz)	SDM	66/68.8 (MCS3)	1.74	1.30	4.54	-0.57	3.96	10.0	-6.04
	5240	48	ax (SU) (20MHz)	SDM	66/68.8 (MCS3)	2.17	1.19	4.72	-0.57	4.15	10.0	-5.85
	5190	38	n (40MHz)	CDD	108/120 (MCS11)	0.21	-0.96	2.67	2.42	5.10	10.0	-4.90
	5230	46	n (40MHz)	CDD	108/120 (MCS11)	3.57	3.98	6.79	2.42	9.21	10.0	-0.79
	5190	38	ax (SU) (40MHz)	CDD	130/137.6 (MCS3)	-1.64	-2.62	0.91	2.42	3.33	10.0	-6.67
	5230	46	ax (SU) (40MHz)	CDD	130/137.6 (MCS3)	1.11	2.30	4.76	2.42	7.18	10.0	-2.82
	5210	42	ac (80MHz)	CDD	234/260 (MCS3)	-0.41	-0.17	2.72	2.42	5.15	10.0	-4.85
	5210	42	ax (SU) (80MHz)	CDD	272/288.2 (MCS3)	-4.97	-5.03	-1.99	2.42	0.44	10.0	-9.56

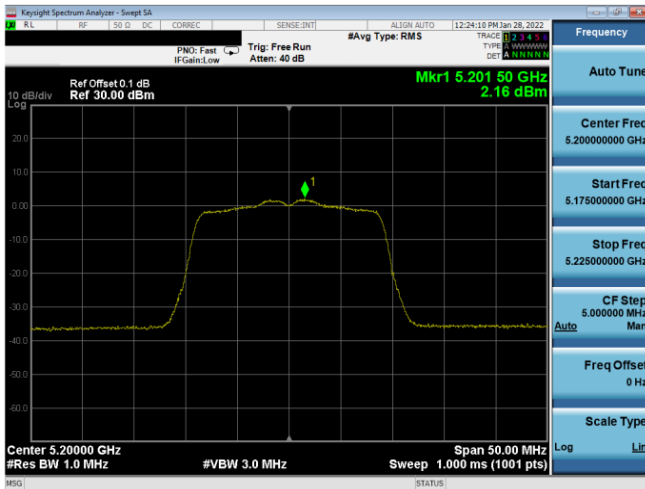
Table 7-192. ISED Band 1 e.i.r.p. Power Spectral Density Measurements CDD/SDM Primary (Mid Data Rate)

	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate [Mbps]	Antenna 2B Power Density [dBm/MHz]	Antenna 1B Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Directional Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	CDD	104/115.6 (MCS13)	0.41	-0.78	2.87	2.42	5.29	10.0	-4.71
	5200	40	n (20MHz)	CDD	104/115.6 (MCS13)	0.65	-0.74	3.02	2.42	5.45	10.0	-4.55
	5240	48	n (20MHz)	CDD	104/115.6 (MCS13)	1.05	0.36	3.73	2.42	6.15	10.0	-3.85
	5180	36	ax (SU) (20MHz)	SDM	130/137.6 (MCS5)	2.83	3.13	3.26	-0.57	2.69	10.0	-7.31
	5200	40	ax (SU) (20MHz)	SDM	130/137.6 (MCS5)	2.97	2.96	5.98	-0.57	5.40	10.0	-4.60
	5240	48	ax (SU) (20MHz)	SDM	130/137.6 (MCS5)	3.23	3.39	6.32	-0.57	5.75	10.0	-4.25
	5190	38	n (40MHz)	CDD	216/240 (MCS13)	-2.51	-3.15	0.19	2.42	2.62	10.0	-7.38
	5230	46	n (40MHz)	CDD	216/240 (MCS13)	2.22	1.28	4.79	2.42	7.21	10.0	-2.79
	5190	38	ax (SU) (40MHz)	CDD	260/275.3 (MCS5)	-3.54	-3.60	-0.56	2.42	1.87	10.0	-8.13
	5230	46	ax (SU) (40MHz)	SDM	260/275.3 (MCS5)	4.54	4.76	7.66	-0.57	7.09	10.0	-2.91
	5210	42	ac (80MHz)	CDD	468/520 (MCS5)	-3.43	-3.74	-0.57	2.42	1.86	10.0	-8.14
	5210	42	ax (SU) (80MHz)	CDD	574/576.5 (MCS5)	-4.13	-4.94	-1.50	2.42	0.92	10.0	-9.08

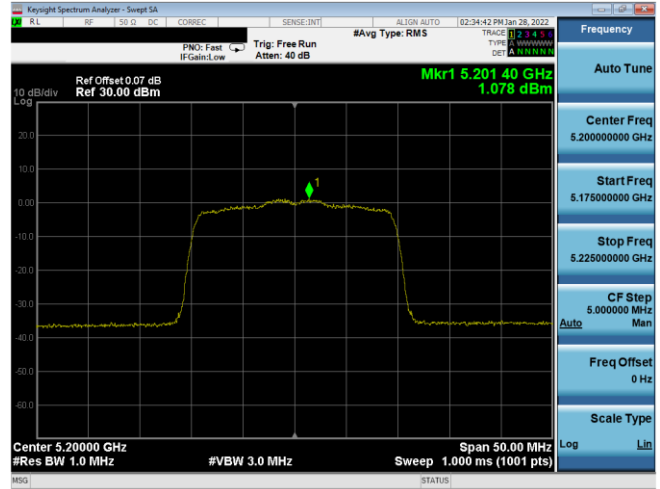
Table 7-193. ISED Band 1 e.i.r.p. Power Spectral Density Measurements CDD/SDM Primary (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C211150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 213 of 564

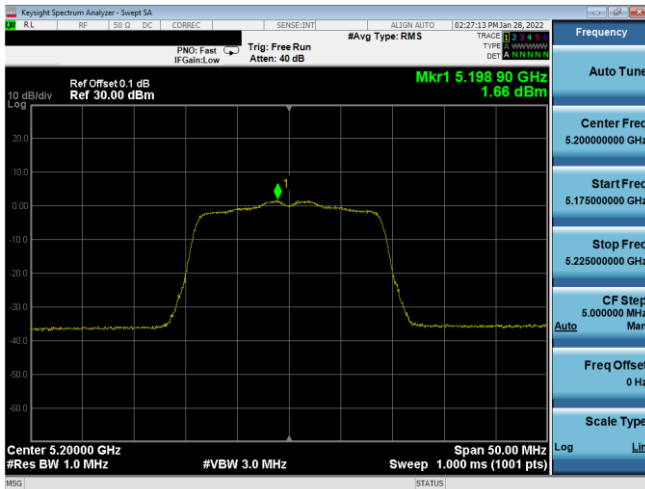
Low Data Rate



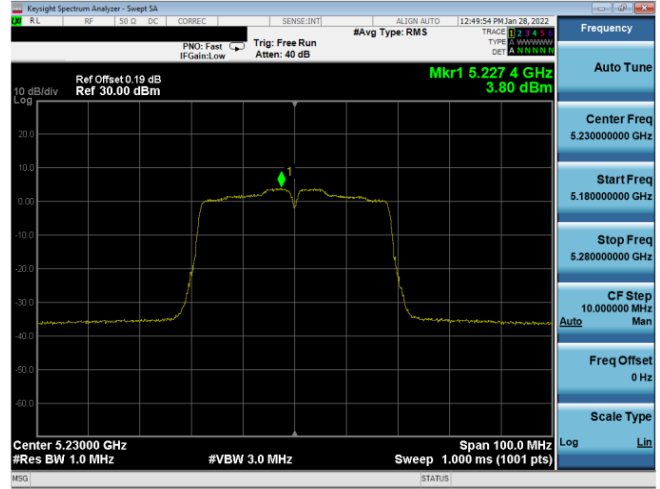
Plot 7-631. ISED PSD SDM Primary Antenna 2B (20MHz BW 11n – Ch.40, MCS8)



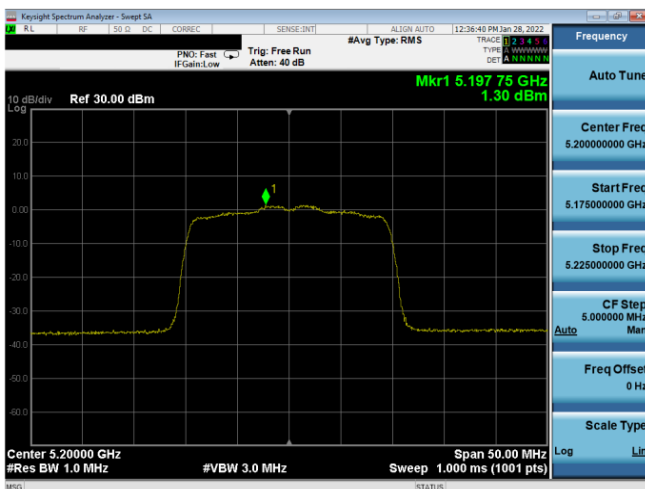
Plot 7-634. ISED PSD SDM Primary Antenna 1B (20MHz BW 11ax(SU) – Ch.40, MCS0)



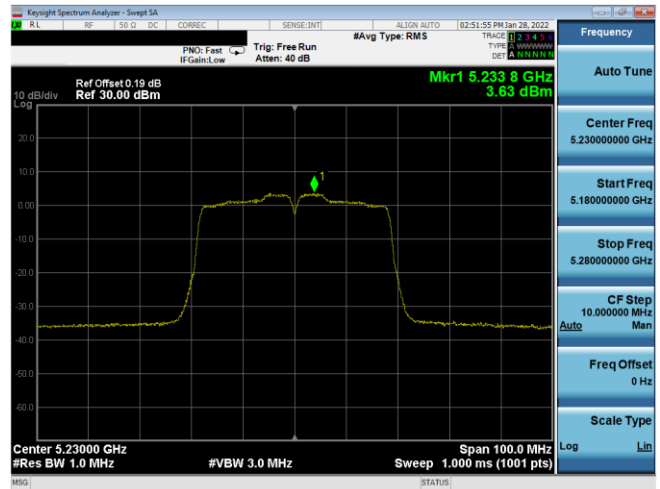
Plot 7-632. ISED PSD SDM Primary Antenna 1B (20MHz BW 11n – Ch.40, MCS8)



Plot 7-635. ISED PSD SDM Primary Antenna 2B (40MHz BW 11n – Ch.46, MCS8)

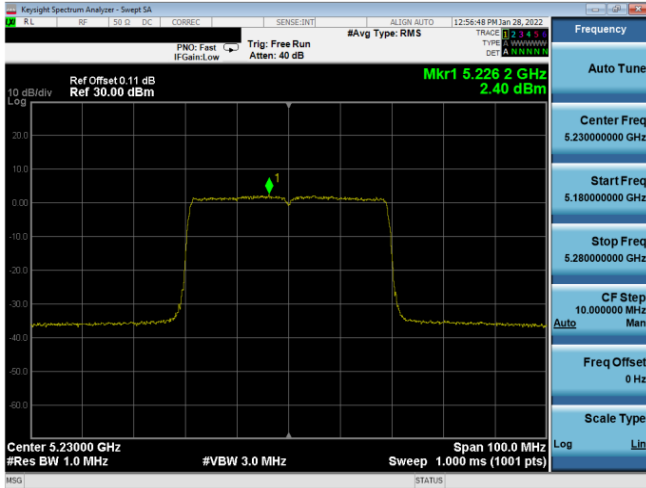


Plot 7-633. ISED PSD SDM Antenna 2B (20MHz BW 11ax(SU) – Ch.40, MCS0)

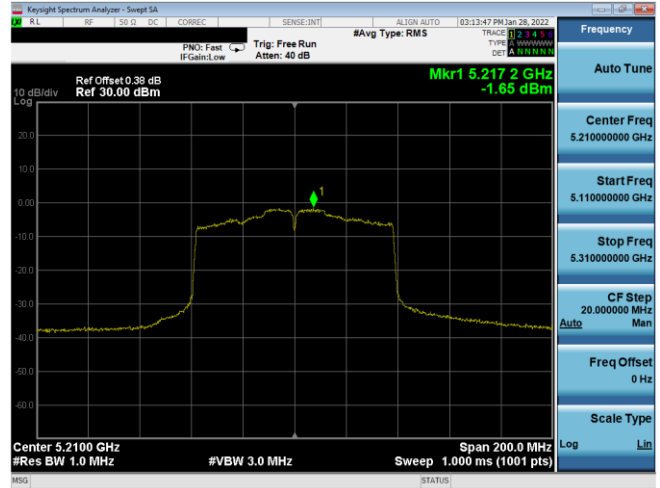


Plot 7-636. ISED PSD SDM Primary Antenna 1B (40MHz BW 11n – Ch.46, MCS8)

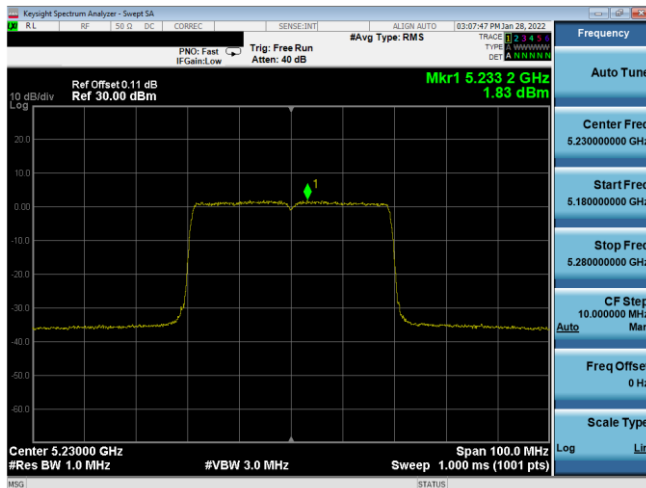
<p>FCC ID: BCGA2589 IC: 579C-A2589</p>		<p>MEASUREMENT REPORT (CERTIFICATION)</p>	<p>Approved by: Technical Manager</p>
<p>Test Report S/N: 1C2111150079-14.BCG</p>	<p>Test Dates: 12/02/2021 - 02/10/2022</p>	<p>EUT Type: Tablet Device</p>	<p>Page 214 of 564</p>



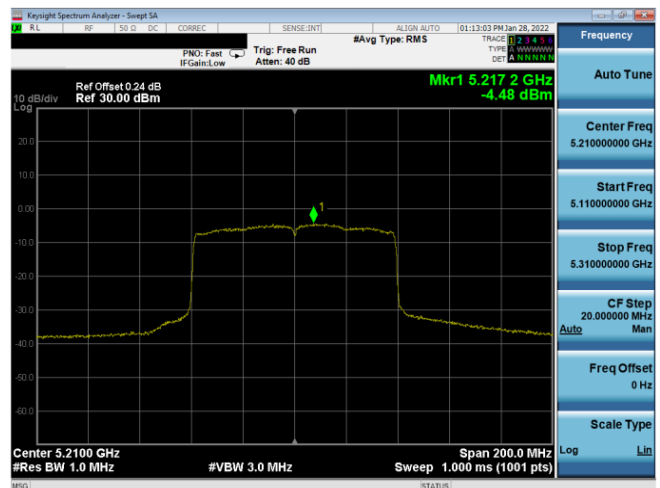
Plot 7-637. ISED PSD SDM Primary Antenna 2B (40MHz BW 11ax(SU) – Ch.46, MCS0)



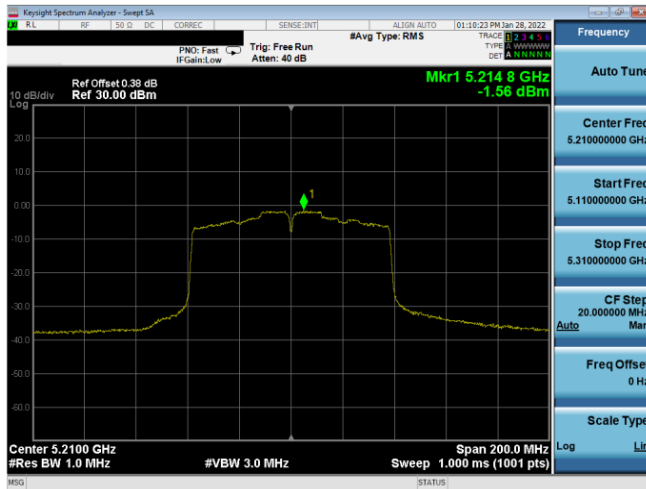
Plot 7-640. ISED PSD CDD Primary Antenna 1B (80MHz BW 11ac – Ch.42, MCS0)



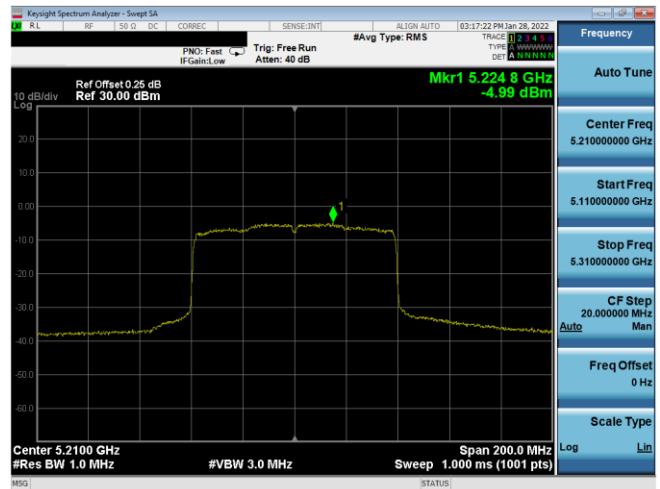
Plot 7-638. ISED SDM PSD Primary Antenna 1B (40MHz BW 11ax(SU) – Ch.46, MCS0)



Plot 7-641. ISED PSD CDD Primary Antenna 2B (80MHz BW 11ax (SU) – Ch.42, MCS0)



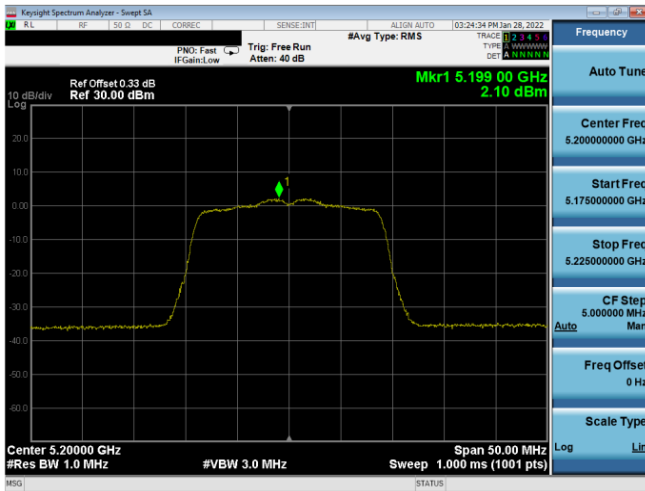
Plot 7-639. ISED PSD CDD Primary Antenna 2B (80MHz BW 11ac – Ch.42, MCS0)



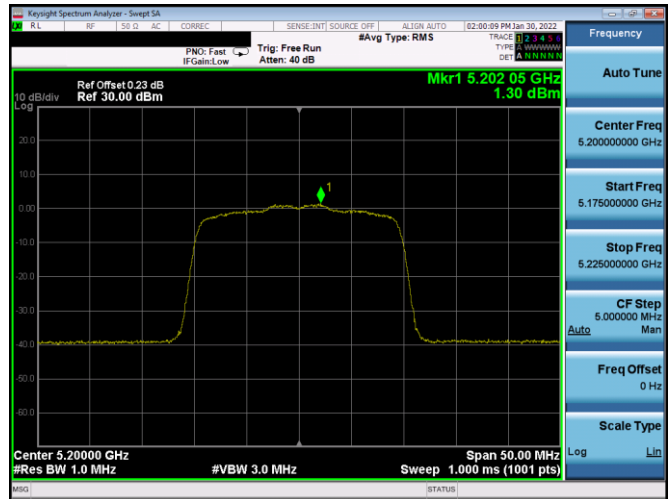
Plot 7-642. ISED PSD CDD Primary Antenna 1B (80MHz BW 11ax (SU) – Ch.42, MCS0)

FCC ID: BCGA2589 IC: 579C-A2589	 <p>PCTEST Proud to be part of element</p>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 215 of 564

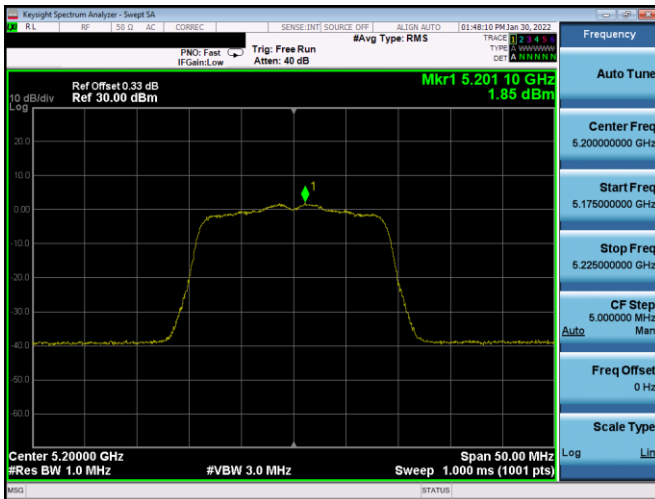
Mid Data Rate



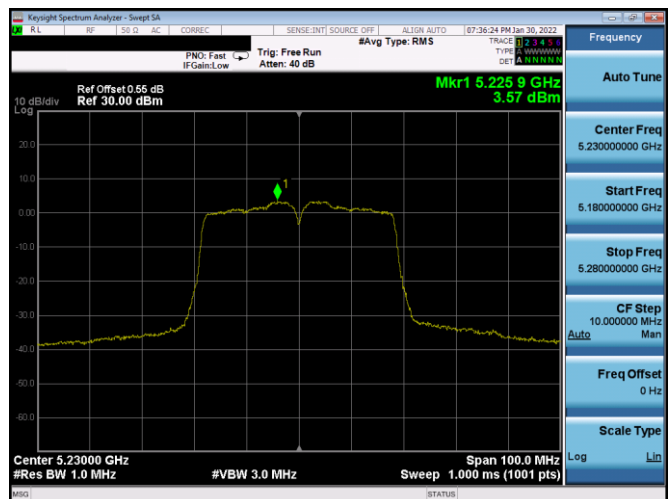
Plot 7-643. ISED PSD SDM Primary Antenna 2B (20MHz BW 11n – Ch.40, MCS11)



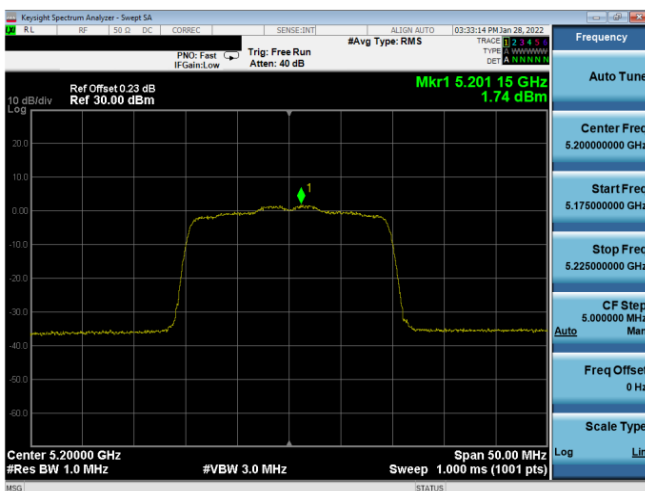
Plot 7-646. ISED PSD SDM Primary Antenna 1B (20MHz BW 11ax(SU) – Ch.40, MCS3)



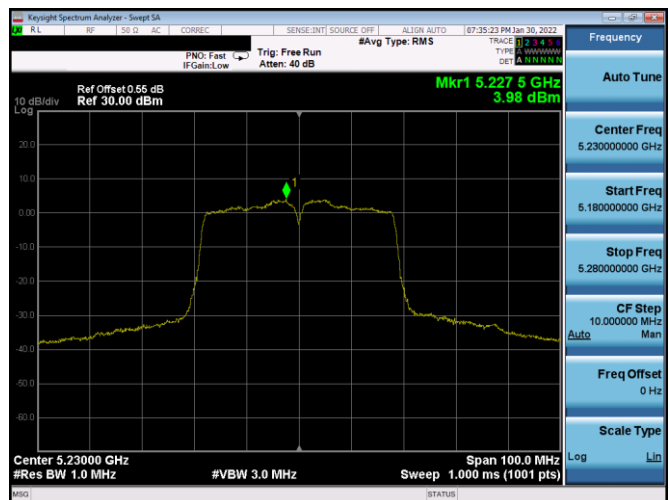
Plot 7-644. ISED PSD SDM Antenna 1B (20MHz BW 11n – Ch.40, MCS11)



Plot 7-647. ISED PSD SDM Primary Antenna 2B (40MHz BW 11n – Ch.46, MCS11)

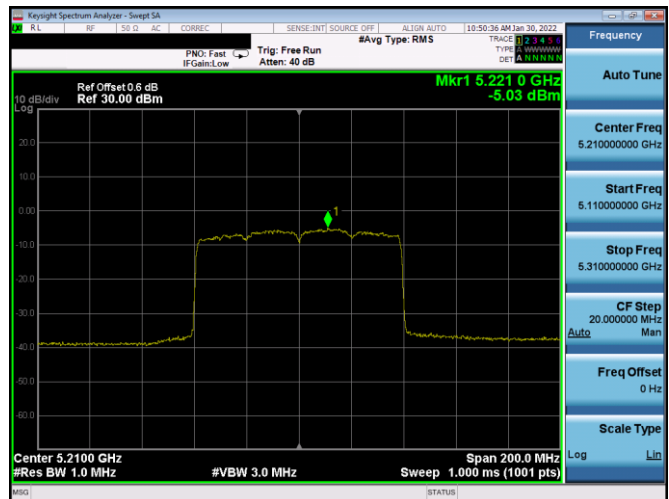
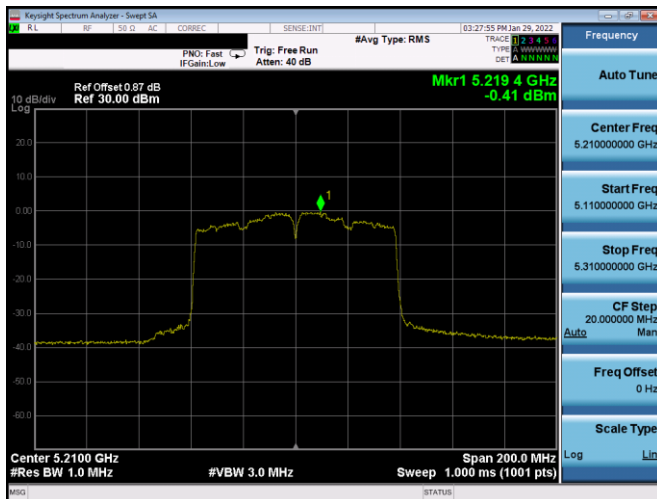
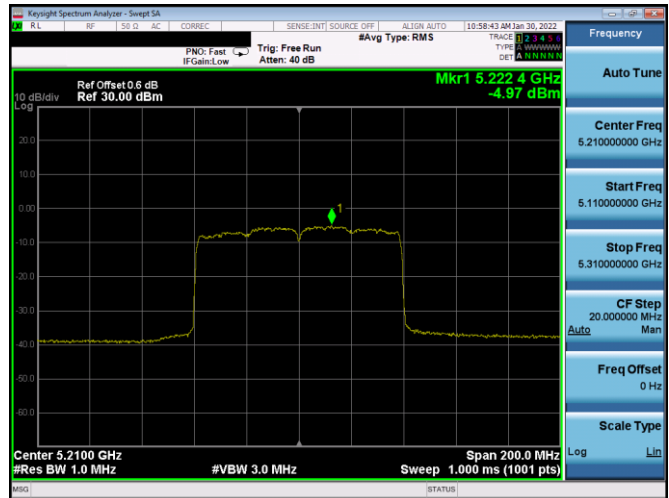
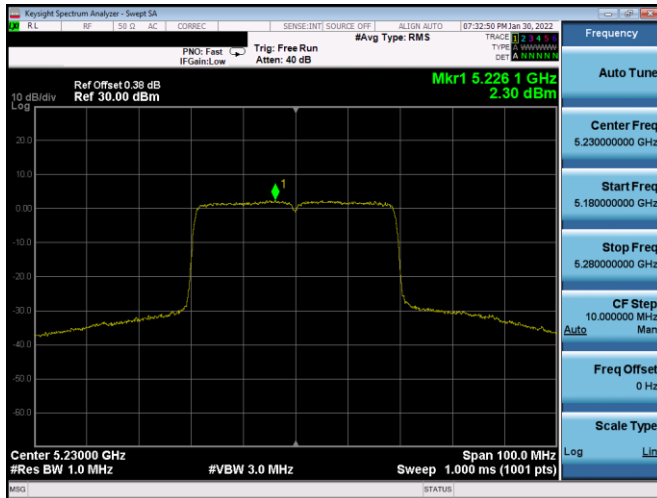
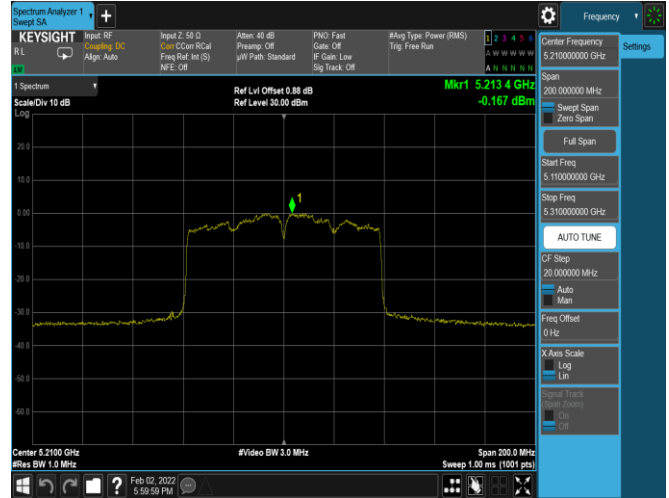
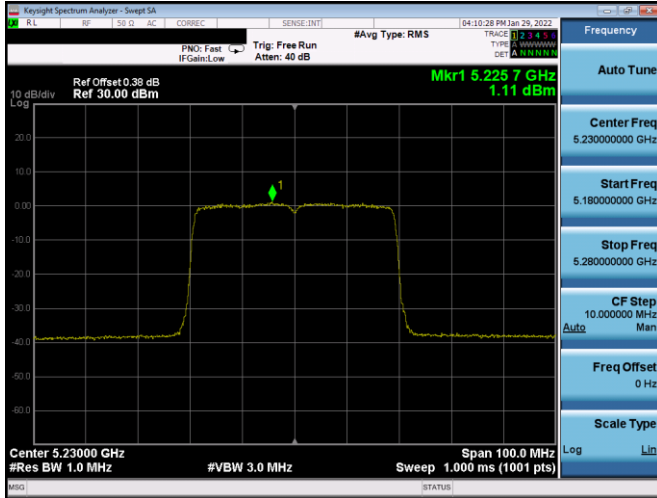


Plot 7-645. ISED PSD SDM Primary Antenna 2B (20MHz BW 11ax(SU) – Ch.40, MCS3)



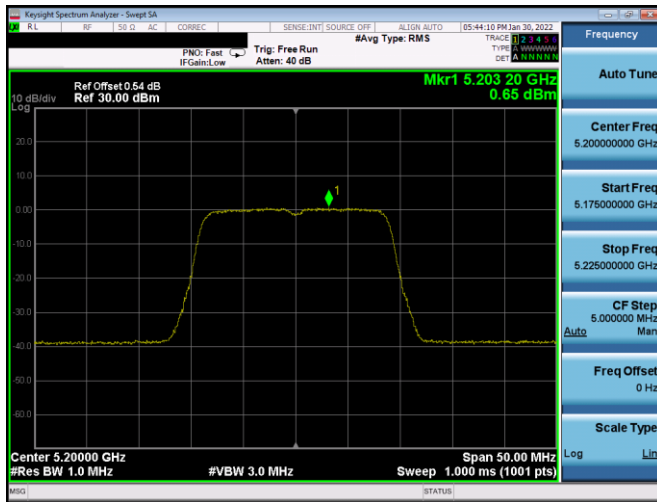
Plot 7-648. ISED PSD SDM Primary Antenna 1B (40MHz BW 11n – Ch.46, MCS11)

FCC ID: BCGA2589 IC: 579C-A2589	 <p>PCTEST Proud to be part of element</p>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 216 of 564

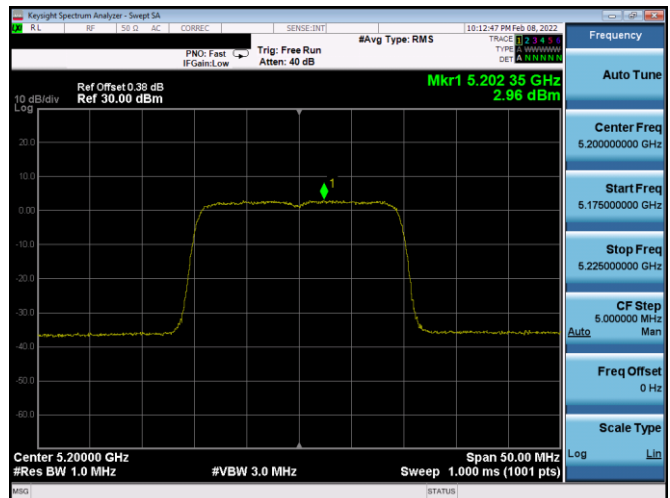


FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 217 of 564

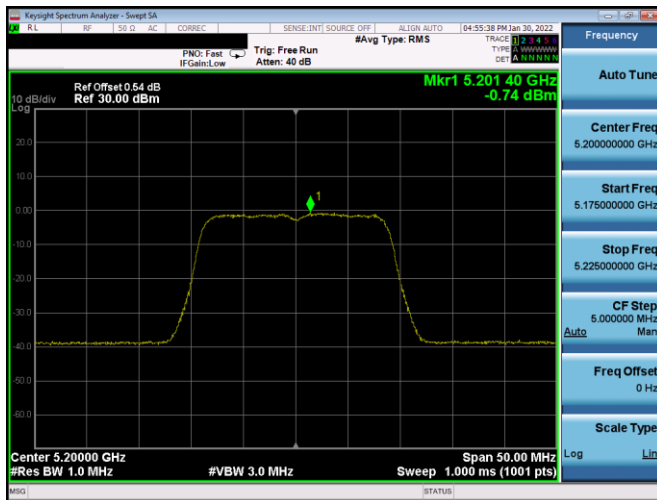
High Data Rate



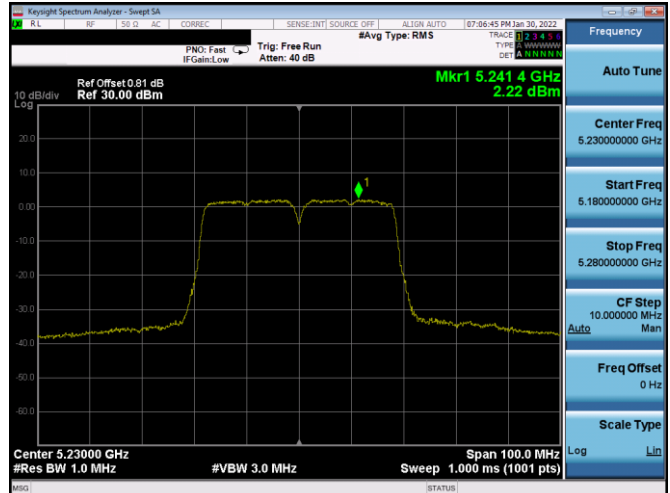
Plot 7-655. ISED PSD SDM Primary Antenna 2B (20MHz BW 11n – Ch.40, MCS13)



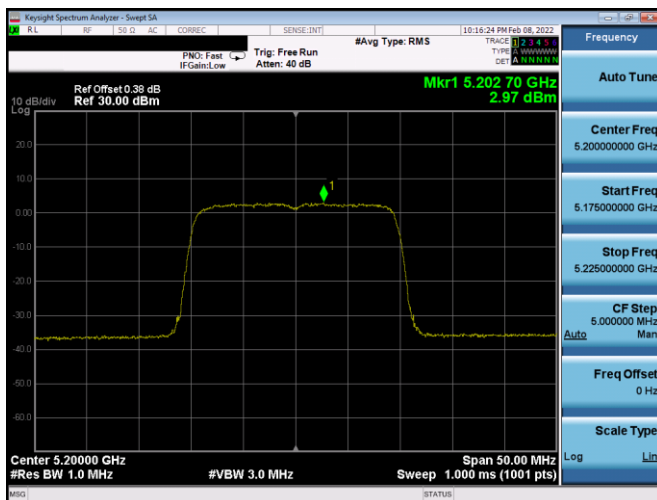
Plot 7-658. ISED PSD SDM Primary Antenna 1B (20MHz BW 11ax(SU) – Ch.40, MCS5)



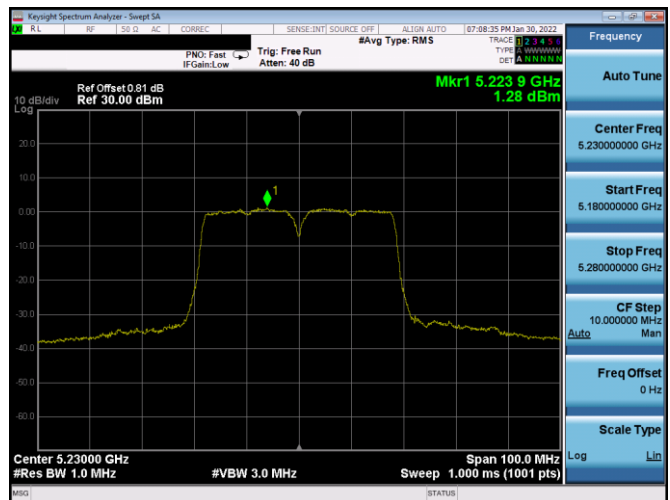
Plot 7-656. ISED PSD SDM Primary Antenna 1B (20MHz BW 11n – Ch.40, MCS13)



Plot 7-659. ISED PSD SDM Primary Antenna 2B (40MHz BW 11n – Ch.46, MCS13)

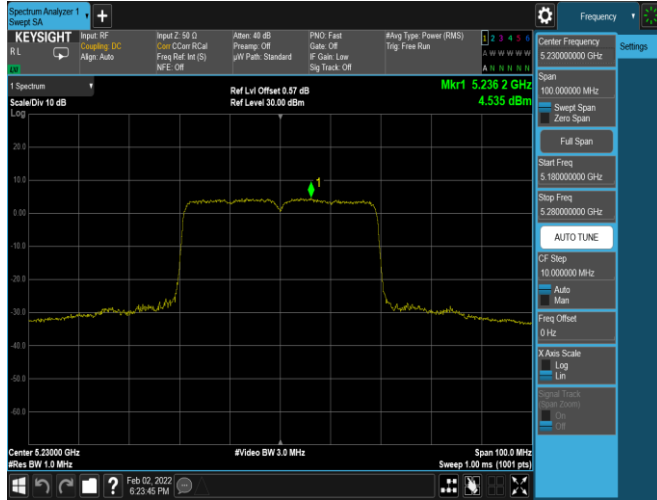


Plot 7-657. ISED PSD SDM Primary Antenna 2B (20MHz BW 11ax(SU) – Ch.40, MCS5)

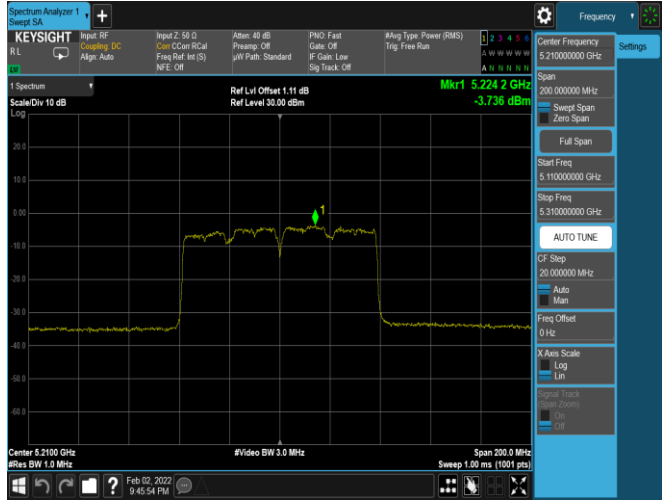


Plot 7-660. ISED PSD SDM Primary Antenna 1B (40MHz BW 11n – Ch.46, MCS13)

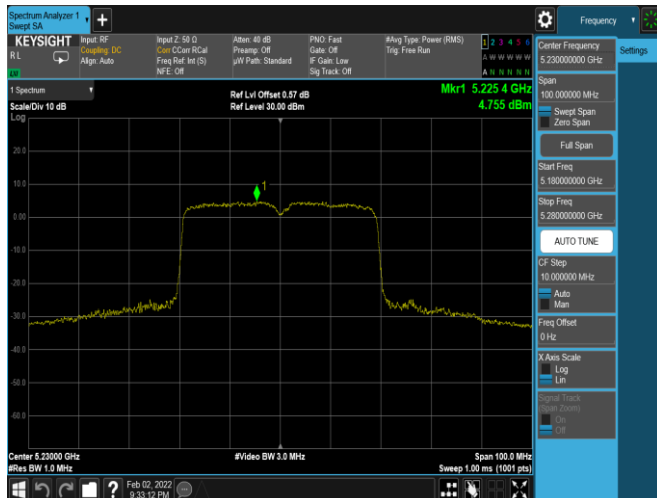
FCC ID: BCGA2589 IC: 579C-A2589	 <p>PCTEST Proud to be part of element</p>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 218 of 564



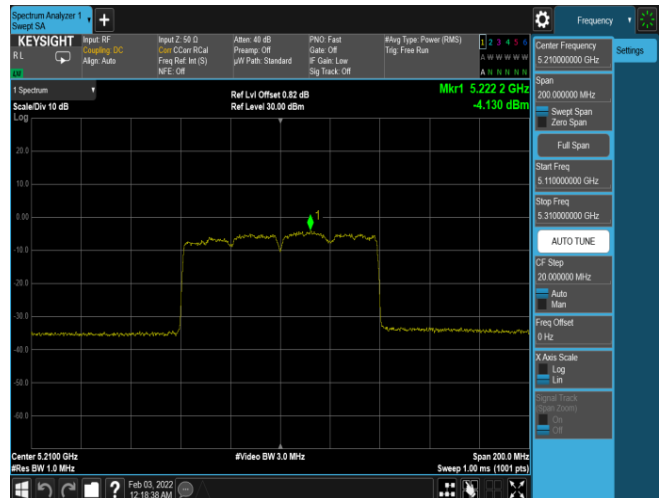
Plot 7-661. ISED PSD SDM Primary Antenna 2B (40MHz BW 11ax(SU) – Ch.46, MCS5)



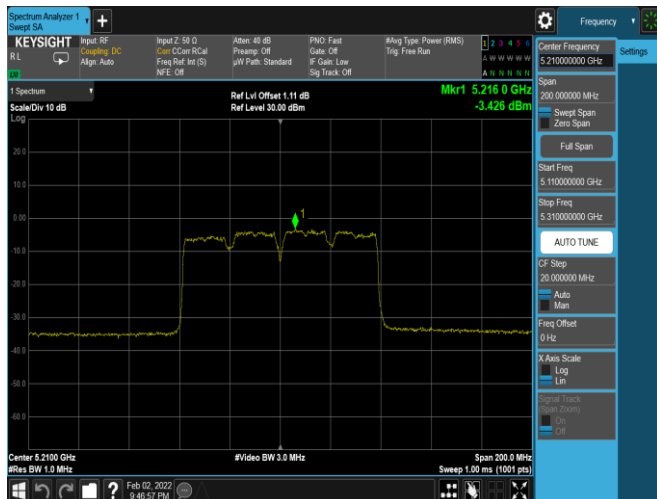
Plot 7-664. ISED PSD CDD Primary Antenna 1B (80MHz BW 11ac – Ch.42, MCS5)



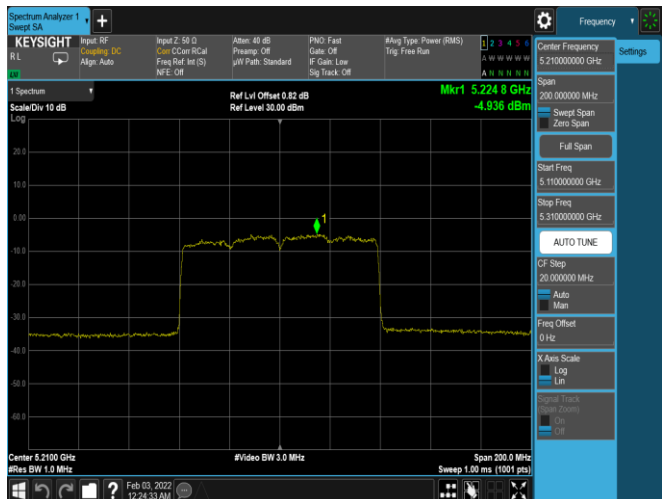
Plot 7-662. ISED PSD SDM Primary Antenna 1B (40MHz BW 11ax(SU) – Ch.46, MCS5)



Plot 7-665. ISED PSD CDD Primary Antenna 2B (80MHz BW 11ax(SU) – Ch.42, MCS5)



Plot 7-663. ISED PSD CDD Primary Antenna 2B (80MHz BW 11ac – Ch.42, MCS5)



Plot 7-666. ISED PSD CDD Primary Antenna 1B (80MHz BW 11ax(SU) – Ch.42, MCS5)

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 219 of 564

7.5.5 Summed CDD/SDM Diversity Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate [Mbps]	Antenna 2B Power Density [dBm/MHz]	Antenna 3A Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	CDD	13/14.4 (MCS8)	3.28	4.54	6.97	11.0	-4.03
	5200	40	n (20MHz)	CDD	13/14.4 (MCS8)	3.40	2.32	5.90	11.0	-5.10
	5240	48	n (20MHz)	CDD	13/14.4 (MCS8)	3.50	2.67	6.11	11.0	-4.89
	5180	36	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	3.30	4.01	6.68	11.0	-4.32
	5200	40	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	3.16	4.59	6.94	11.0	-4.06
	5240	48	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	3.27	4.50	6.94	11.0	-4.06
	5190	38	n (40MHz)	CDD	27/30 (MCS8)	0.82	-0.04	3.42	11.0	-7.58
	5230	46	n (40MHz)	CDD	27/30 (MCS8)	4.67	4.04	7.37	11.0	-3.63
	5190	38	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	-1.20	-0.07	2.41	11.0	-8.59
	5230	46	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	2.76	4.06	6.47	11.0	-4.53
Band 2A	5210	42	ac (80MHz)	CDD	58.5/65 (MCS0)	-1.69	-2.80	0.80	11.0	-10.20
	5210	42	ax (SU) (80MHz)	CDD	68/72.1 (MCS0)	-4.69	-3.66	-1.13	11.0	-12.13
	5260	52	n (20MHz)	CDD	13/14.4 (MCS8)	4.21	3.13	6.71	11.0	-4.29
	5280	56	n (20MHz)	CDD	13/14.4 (MCS8)	4.33	3.29	6.85	11.0	-4.15
	5320	64	n (20MHz)	CDD	13/14.4 (MCS8)	4.07	3.46	6.78	11.0	-4.22
	5260	52	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	3.48	4.48	7.02	11.0	-3.98
	5280	56	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	3.78	4.23	7.02	11.0	-3.98
	5320	64	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	3.50	4.74	7.17	11.0	-3.83
	5270	54	n (40MHz)	CDD	27/30 (MCS8)	5.25	4.08	7.71	11.0	-3.29
	5310	62	n (40MHz)	CDD	27/30 (MCS8)	1.13	0.66	3.91	11.0	-7.09
Band 2C	5270	54	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	3.27	4.12	6.73	11.0	-4.27
	5310	62	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	-1.32	-0.42	2.16	11.0	-8.84
	5290	58	ac (80MHz)	CDD	58.5/65 (MCS0)	-3.43	-4.37	-0.86	11.0	-11.86
	5290	58	ax (SU) (80MHz)	CDD	68/72.1 (MCS0)	-5.24	-4.59	-1.89	11.0	-12.89
	5500	100	n (20MHz)	CDD	13/14.4 (MCS8)	3.77	2.77	6.31	11.0	-4.69
	5580	116	n (20MHz)	CDD	13/14.4 (MCS8)	5.79	5.64	8.73	11.0	-2.27
	5720	144	n (20MHz)	CDD	13/14.4 (MCS8)	5.95	5.91	8.94	11.0	-2.06
	5500	100	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	3.20	4.53	6.93	11.0	-4.07
	5580	116	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	3.20	4.14	6.70	11.0	-4.30
	5720	144	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	3.43	3.91	6.69	11.0	-4.31
5510	102	n (40MHz)	CDD	27/30 (MCS8)	0.49	-0.34	3.11	11.0	-7.89	
5550	110	n (40MHz)	CDD	27/30 (MCS8)	4.95	3.83	7.44	11.0	-3.56	
5710	142	n (40MHz)	CDD	27/30 (MCS8)	4.65	3.37	7.07	11.0	-3.93	
5510	102	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	-1.88	-0.80	1.70	11.0	-9.30	
5550	110	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	3.27	4.40	6.88	11.0	-4.12	
5710	142	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	2.98	3.55	6.29	11.0	-4.71	
5530	106	ac (80MHz)	CDD	58.5/65 (MCS0)	-3.06	-4.15	-0.56	11.0	-11.56	
5610	*122	ac (80MHz)	CDD	58.5/65 (MCS0)	3.82	2.44	6.19	11.0	-4.81	
5690	138	ac (80MHz)	CDD	58.5/65 (MCS0)	1.95	0.84	4.44	11.0	-6.56	
5530	106	ax (SU) (80MHz)	CDD	68/72.1 (MCS0)	-4.95	-5.02	-1.97	11.0	-12.97	
5610	*122	ax (SU) (80MHz)	CDD	68/72.1 (MCS0)	1.53	0.01	3.85	11.0	-7.15	
5690	138	ax (SU) (80MHz)	CDD	68/72.1 (MCS0)	1.27	1.63	4.46	11.0	-6.54	

Table 7-194. Bands 1, 2A, 2C CDD Diversity Power Spectral Density Measurements (Low Data Rate)

*TDWR channel is not supported for ISED (denoted by a * next to the frequency)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 220 of 564

	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate [Mbps]	Antenna 2B Power Density [dBm/MHz]	Antenna 3A Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	CDD	52/57.8 (MCS11)	3.77	2.79	6.32	11.0	-4.68
	5200	40	n (20MHz)	CDD	52/57.8 (MCS11)	3.91	2.94	6.46	11.0	-4.54
	5240	48	n (20MHz)	CDD	52/57.8 (MCS11)	4.32	3.42	6.90	11.0	-4.10
	5180	36	ax (SU) (20MHz)	CDD	66/68.8 (MCS3)	3.44	4.16	6.82	11.0	-4.18
	5200	40	ax (SU) (20MHz)	CDD	66/68.8 (MCS3)	3.42	4.37	6.93	11.0	-4.07
	5240	48	ax (SU) (20MHz)	CDD	66/68.8 (MCS3)	3.71	3.42	6.58	11.0	-4.42
	5190	38	n (40MHz)	CDD	108/120 (MCS11)	2.19	1.90	5.06	11.0	-5.94
	5230	46	n (40MHz)	CDD	108/120 (MCS11)	5.89	6.20	9.06	11.0	-1.94
	5190	38	ax (SU) (40MHz)	CDD	130/137.6 (MCS3)	-1.81	-1.00	1.63	11.0	-9.37
	5230	46	ax (SU) (40MHz)	CDD	130/137.6 (MCS3)	5.56	4.34	8.00	11.0	-3.00
5210	42	ac (80MHz)	CDD	234/260 (MCS3)	-2.47	-3.19	0.20	11.0	-10.80	
5210	42	ax (SU) (80MHz)	CDD	272/288.2 (MCS3)	-4.49	-3.88	-1.16	11.0	-12.16	
Band 2A	5260	52	n (20MHz)	CDD	52/57.8 (MCS11)	4.63	3.76	7.22	11.0	-3.78
	5280	56	n (20MHz)	CDD	52/57.8 (MCS11)	4.64	3.73	7.22	11.0	-3.78
	5320	64	n (20MHz)	CDD	52/57.8 (MCS11)	4.46	3.88	7.19	11.0	-3.81
	5260	52	ax (SU) (20MHz)	CDD	66/68.8 (MCS3)	3.96	4.44	7.21	11.0	-3.79
	5280	56	ax (SU) (20MHz)	CDD	66/68.8 (MCS3)	4.05	4.47	7.28	11.0	-3.72
	5320	64	ax (SU) (20MHz)	CDD	66/68.8 (MCS3)	4.01	4.98	7.53	11.0	-3.47
	5270	54	n (40MHz)	CDD	108/120 (MCS11)	5.67	4.41	8.09	11.0	-2.91
	5310	62	n (40MHz)	CDD	108/120 (MCS11)	0.73	0.05	3.41	11.0	-7.59
	5270	54	ax (SU) (40MHz)	CDD	130/137.6 (MCS3)	3.83	4.21	7.04	11.0	-3.96
	5310	62	ax (SU) (40MHz)	CDD	130/137.6 (MCS3)	-1.71	-0.83	1.76	11.0	-9.24
5290	58	ac (80MHz)	CDD	234/260 (MCS3)	-3.81	-4.51	-1.13	11.0	-12.13	
5290	58	ax (SU) (80MHz)	CDD	272/288.2 (MCS3)	-5.24	-4.90	-2.06	11.0	-13.06	
Band 2C	5500	100	n (20MHz)	CDD	52/57.8 (MCS11)	4.11	3.33	6.75	11.0	-4.25
	5580	116	n (20MHz)	CDD	52/57.8 (MCS11)	4.19	2.74	6.53	11.0	-4.47
	5720	144	n (20MHz)	CDD	52/57.8 (MCS11)	4.50	3.17	6.89	11.0	-4.11
	5500	100	ax (SU) (20MHz)	CDD	66/68.8 (MCS3)	3.97	4.76	7.39	11.0	-3.61
	5580	116	ax (SU) (20MHz)	CDD	66/68.8 (MCS3)	3.85	4.67	7.29	11.0	-3.71
	5720	144	ax (SU) (20MHz)	CDD	66/68.8 (MCS3)	3.85	4.09	6.98	11.0	-4.02
	5510	102	n (40MHz)	CDD	108/120 (MCS11)	-0.48	-1.39	2.10	11.0	-8.90
	5550	110	n (40MHz)	CDD	108/120 (MCS11)	5.37	3.92	7.71	11.0	-3.29
	5710	142	n (40MHz)	CDD	108/120 (MCS11)	5.11	3.83	7.53	11.0	-3.47
	5510	102	ax (SU) (40MHz)	CDD	130/137.6 (MCS3)	-2.61	-1.68	0.89	11.0	-10.11
	5550	110	ax (SU) (40MHz)	CDD	130/137.6 (MCS3)	2.94	3.74	6.37	11.0	-4.63
	5710	142	ax (SU) (40MHz)	CDD	130/137.6 (MCS3)	3.52	3.30	6.42	11.0	-4.58
	5530	106	ac (80MHz)	CDD	234/260 (MCS3)	-3.60	-4.56	-1.05	11.0	-12.05
	5610	*122	ac (80MHz)	CDD	234/260 (MCS3)	3.55	2.14	5.92	11.0	-5.08
	5690	138	ac (80MHz)	CDD	234/260 (MCS3)	2.54	1.24	4.95	11.0	-6.05
5530	106	ax (SU) (80MHz)	CDD	272/288.2 (MCS3)	-5.16	-4.87	-2.00	11.0	-13.00	
5610	*122	ax (SU) (80MHz)	CDD	272/288.2 (MCS3)	1.35	-0.02	3.73	11.0	-7.27	
5690	138	ax (SU) (80MHz)	CDD	272/288.2 (MCS3)	1.73	2.07	4.91	11.0	-6.09	

Table 7-195. Bands 1, 2A, 2C CDD Diversity Power Spectral Density Measurements (Mid Data Rate)

*TDWR channel is not supported for ISED (denoted by a * next to the frequency)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 221 of 564

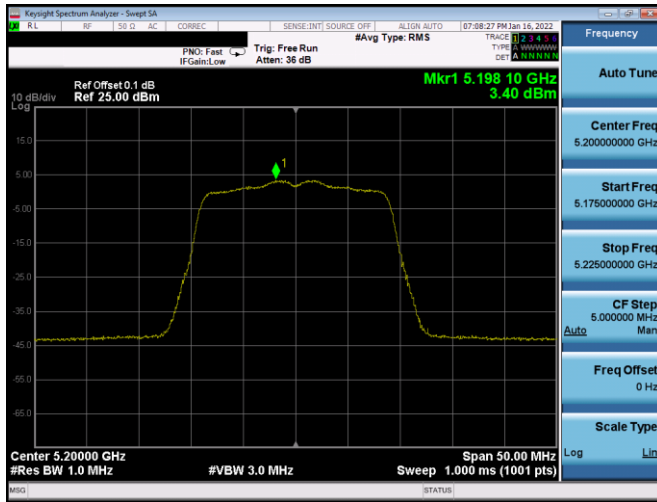
	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate [Mbps]	Antenna 2B Power Density [dBm/MHz]	Antenna 3A Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	CDD	104/115.6 (MCS13)	5.17	3.92	7.60	11.0	-3.40
	5200	40	n (20MHz)	CDD	104/115.6 (MCS13)	5.41	4.32	7.91	11.0	-3.09
	5240	48	n (20MHz)	CDD	104/115.6 (MCS13)	5.22	4.29	7.79	11.0	-3.21
	5180	36	ax (SU) (20MHz)	CDD	130/137.6 (MCS5)	4.58	3.73	7.18	11.0	-3.82
	5200	40	ax (SU) (20MHz)	CDD	130/137.6 (MCS5)	4.88	3.98	7.46	11.0	-3.54
	5240	48	ax (SU) (20MHz)	CDD	130/137.6 (MCS5)	4.96	4.24	7.63	11.0	-3.37
	5190	38	n (40MHz)	CDD	216/240 (MCS13)	-2.40	-3.56	0.07	11.0	-10.93
	5230	46	n (40MHz)	CDD	216/240 (MCS13)	6.55	5.47	9.06	11.0	-1.94
	5190	38	ax (SU) (40MHz)	CDD	260/275.3 (MCS5)	-2.61	-1.40	1.05	11.0	-9.95
	5230	46	ax (SU) (40MHz)	CDD	260/275.3 (MCS5)	2.71	3.02	5.87	11.0	-5.13
Band 2A	5210	42	ac (80MHz)	CDD	468/520 (MCS5)	-4.40	-5.44	-1.88	11.0	-12.88
	5210	42	ax (SU) (80MHz)	CDD	574/576.5 (MCS5)	-5.44	-5.34	-2.38	11.0	-13.38
	5260	52	n (20MHz)	CDD	104/115.6 (MCS13)	5.21	4.58	7.92	11.0	-3.08
	5280	56	n (20MHz)	CDD	104/115.6 (MCS13)	5.54	4.85	8.22	11.0	-2.78
	5320	64	n (20MHz)	CDD	104/115.6 (MCS13)	5.59	5.26	8.44	11.0	-2.56
	5260	52	ax (SU) (20MHz)	CDD	130/137.6 (MCS5)	5.26	4.30	7.82	11.0	-3.18
	5280	56	ax (SU) (20MHz)	CDD	130/137.6 (MCS5)	5.09	4.50	7.81	11.0	-3.19
	5320	64	ax (SU) (20MHz)	CDD	130/137.6 (MCS5)	5.10	4.60	7.87	11.0	-3.13
	5270	54	n (40MHz)	CDD	216/240 (MCS13)	3.98	2.77	6.42	11.0	-4.58
	5310	62	n (40MHz)	CDD	216/240 (MCS13)	-1.80	-2.27	0.98	11.0	-10.02
Band 2C	5270	54	ax (SU) (40MHz)	CDD	260/275.3 (MCS5)	3.19	3.59	6.40	11.0	-4.60
	5310	62	ax (SU) (40MHz)	CDD	260/275.3 (MCS5)	-2.78	-2.61	0.32	11.0	-10.68
	5290	58	ac (80MHz)	CDD	468/520 (MCS5)	-6.04	-7.00	-3.48	11.0	-14.48
	5290	58	ax (SU) (80MHz)	CDD	574/576.5 (MCS5)	-5.80	-6.85	-3.28	11.0	-14.28
	5500	100	n (20MHz)	CDD	104/115.6 (MCS13)	5.00	3.78	7.44	11.0	-3.56
	5580	116	n (20MHz)	CDD	104/115.6 (MCS13)	5.33	4.25	7.84	11.0	-3.16
	5720	144	n (20MHz)	CDD	104/115.6 (MCS13)	5.25	3.77	7.59	11.0	-3.41
	5500	100	ax (SU) (20MHz)	CDD	130/137.6 (MCS5)	3.95	3.39	6.69	11.0	-4.31
	5580	116	ax (SU) (20MHz)	CDD	130/137.6 (MCS5)	5.08	4.05	7.60	11.0	-3.40
	5720	144	ax (SU) (20MHz)	CDD	130/137.6 (MCS5)	4.94	3.48	7.28	11.0	-3.72
5510	102	n (40MHz)	CDD	216/240 (MCS13)	-3.38	-4.42	-0.86	11.0	-11.86	
5550	110	n (40MHz)	CDD	216/240 (MCS13)	3.21	1.94	5.63	11.0	-5.37	
5710	142	n (40MHz)	CDD	216/240 (MCS13)	3.53	2.56	6.08	11.0	-4.92	
5510	102	ax (SU) (40MHz)	CDD	260/275.3 (MCS5)	-4.15	-4.10	-1.11	11.0	-12.11	
5550	110	ax (SU) (40MHz)	CDD	260/275.3 (MCS5)	1.92	1.40	4.68	11.0	-6.32	
5710	142	ax (SU) (40MHz)	CDD	260/275.3 (MCS5)	2.86	2.00	5.46	11.0	-5.54	
5530	106	ac (80MHz)	CDD	468/520 (MCS5)	-5.77	-7.06	-3.36	11.0	-14.36	
5610	*122	ac (80MHz)	CDD	58.5/65 (MCS0)	1.50	0.02	3.83	11.0	-7.17	
5690	138	ac (80MHz)	CDD	468/520 (MCS5)	1.45	0.38	3.96	11.0	-7.04	
5530	106	ax (SU) (80MHz)	CDD	574/576.5 (MCS5)	-6.15	-7.35	-3.70	11.0	-14.70	
5610	*122	ax (SU) (80MHz)	CDD	68/72.1 (MCS0)	0.44	-0.83	2.86	11.0	-8.14	
5690	138	ax (SU) (80MHz)	CDD	574/576.5 (MCS5)	1.35	0.09	3.77	11.0	-7.23	

Table 7-196. Bands 1, 2A, 2C CDD Diversity Power Spectral Density Measurements (High Data Rate)

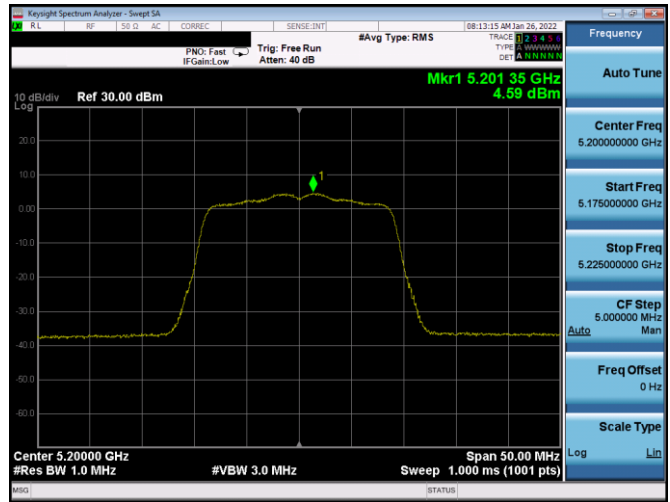
*TDWR channel is not supported for ISED (denoted by a * next to the frequency)

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 222 of 564

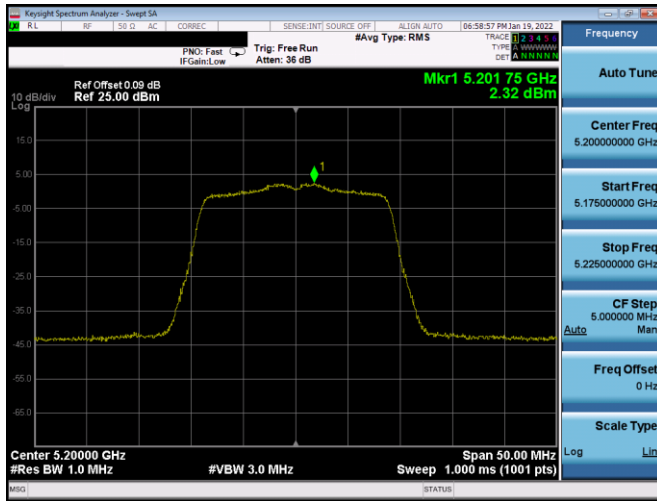
Low Data Rate



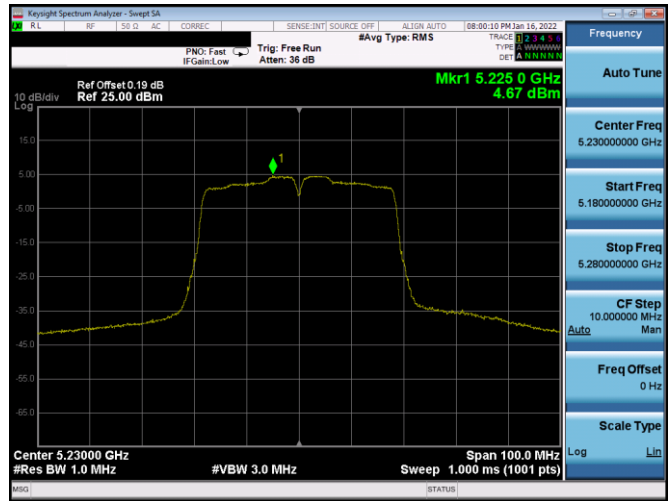
Plot 7-667. PSD CDD Diversity Antenna 2B (20MHz BW 802.11n – Ch. 40, MCS8)



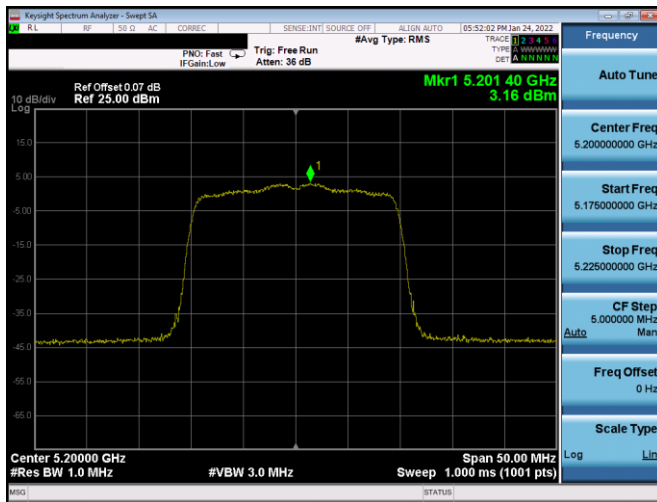
Plot 7-670. PSD CDD Diversity Antenna 3A (20MHz BW 802.11ax(SU) – Ch. 40, MCS0)



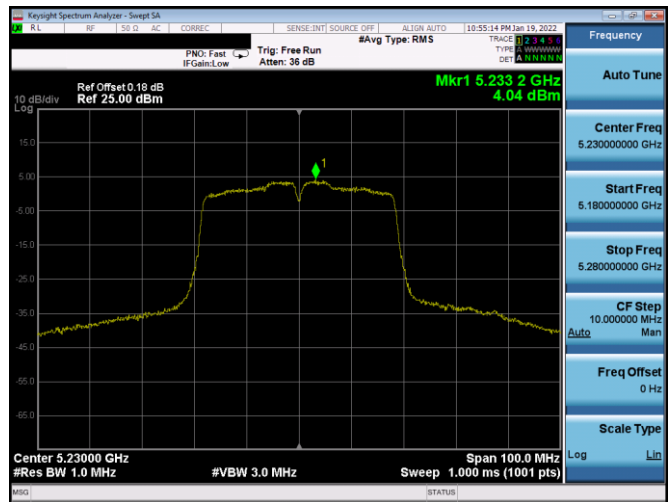
Plot 7-668. PSD CDD Diversity Antenna 3A (20MHz BW 802.11n – Ch. 40, MCS8)



Plot 7-671. PSD CDD Diversity Antenna 2B (40MHz BW 802.11n – Ch. 46, MCS8)

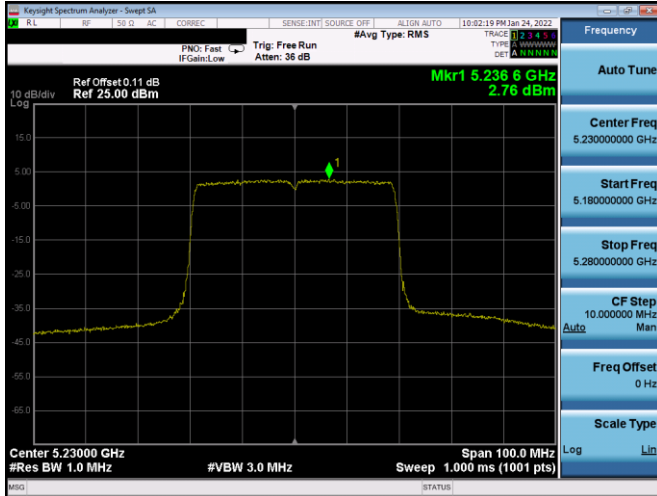


Plot 7-669. PSD CDD Diversity Antenna 2B (20MHz BW 802.11ax(SU) – Ch. 40, MCS0)

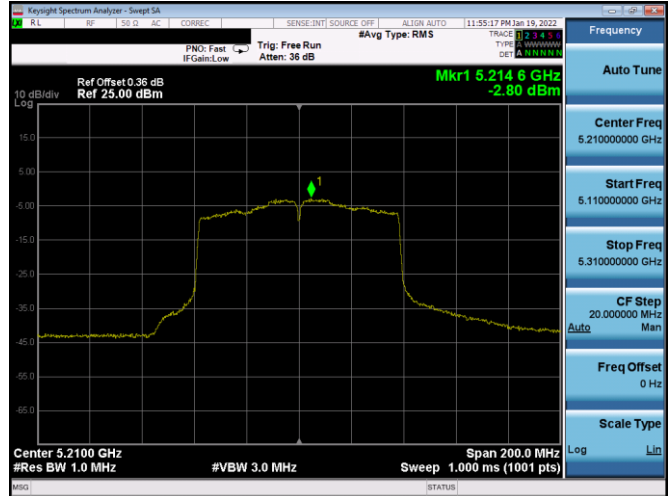


Plot 7-672. PSD CDD Diversity Antenna 3A (40MHz BW 802.11n – Ch. 46, MCS8)

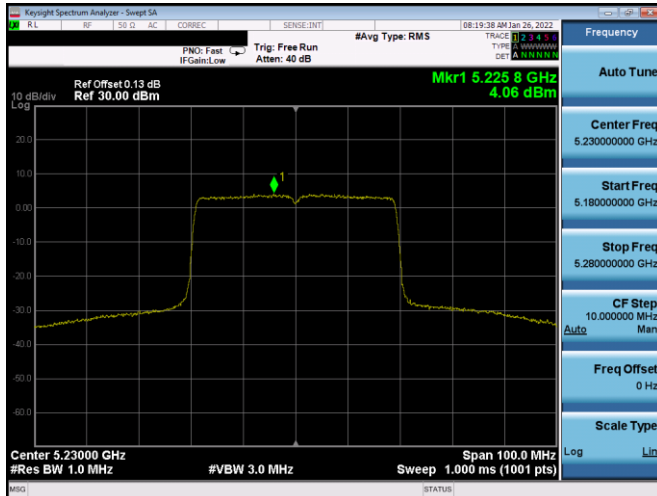
FCC ID: BCGA2589 IC: 579C-A2589	 <p>PCTEST Proud to be part of element</p>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 223 of 564



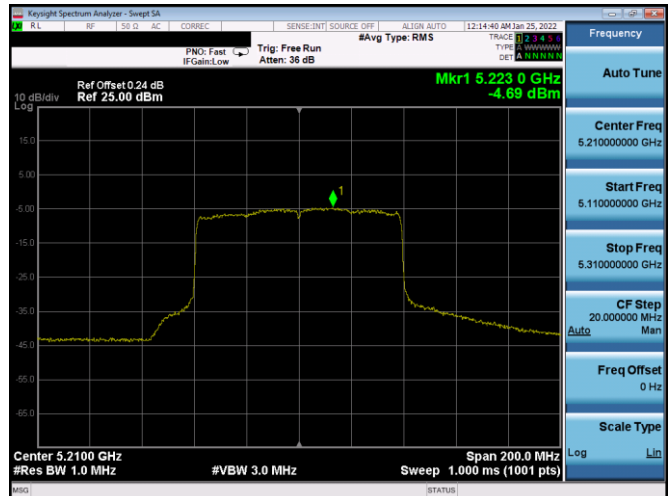
Plot 7-673. PSD CDD Diversity Antenna 2B (40MHz BW 802.11ax(SU) – Ch. 46, MCS0)



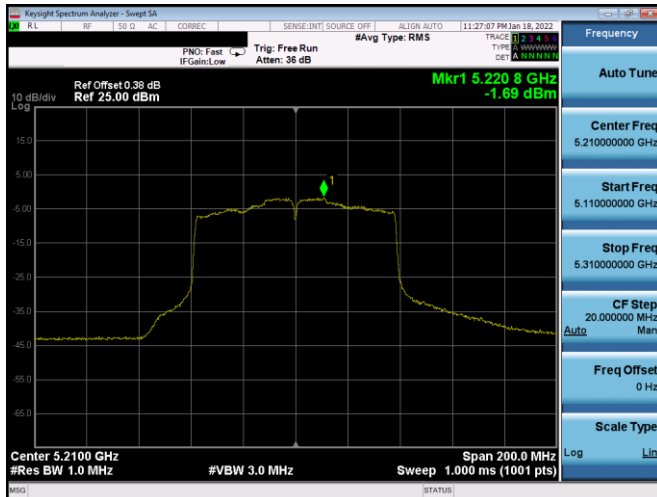
Plot 7-676. PSD CDD Diversity Antenna 3A (80MHz BW 802.11ac – Ch. 42, MCS0)



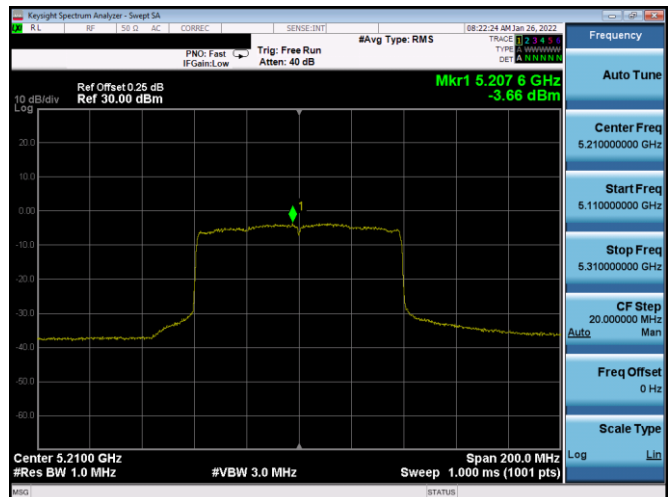
Plot 7-674. PSD CDD Diversity Antenna 3A (40MHz BW 802.11ax(SU) – Ch. 46, MCS0)



Plot 7-677. PSD CDD Diversity Antenna 2B (80MHz BW 802.11ax(SU) – Ch. 42, MCS0)



Plot 7-675. PSD CDD Diversity Antenna 2B (80MHz BW 802.11ac – Ch. 42, MCS0)



Plot 7-678. PSD CDD Diversity Antenna 3A (80MHz BW 802.11ax(SU) – Ch. 42, MCS0)

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 224 of 564